

## **SUPPLEMENTARY MATERIALS AND METHODS**

### **Tissue culture**

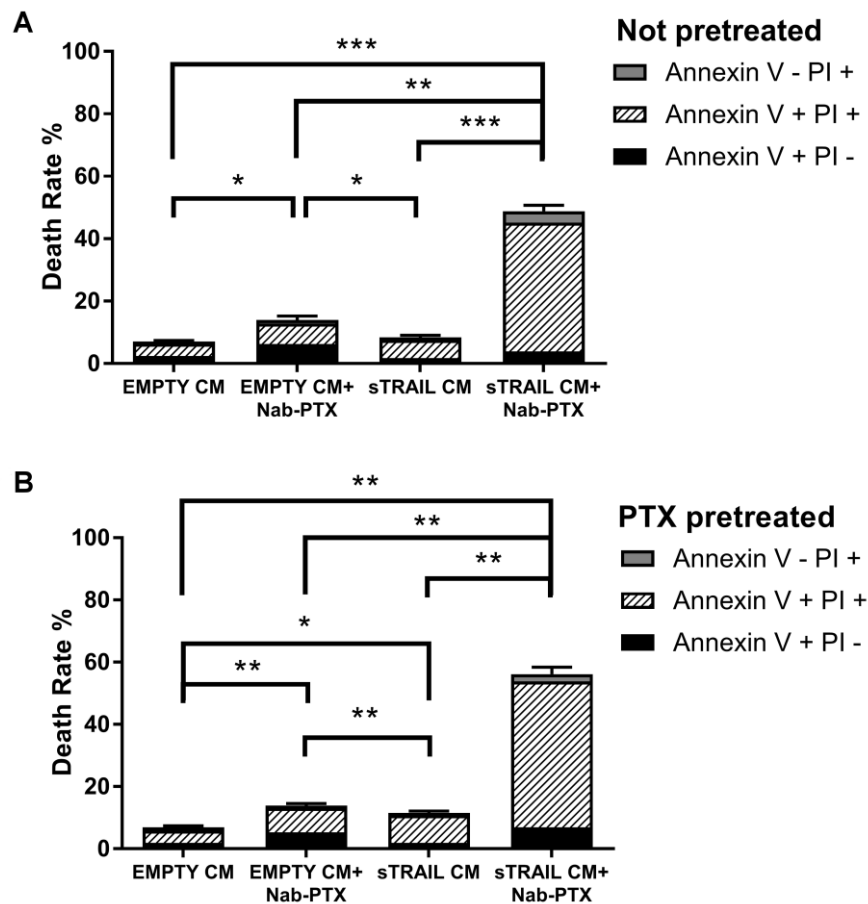
PaTu 8988t cells (PaTu) were maintained in DMEM (Gibco, Thermo Fisher Scientific Inc., Waltham, MA, USA) integrated with 5% horse serum (Gibco), 5% FBS, 1% L-glutamine and 1% penicillin/streptomycin (all from Carlo Erba Reagents Srl, Cornaredo, Italy). CFPAC-1 cells were cultured in IMDM (Euroclone Spa, Milan, Italy) supplemented with 10% FBS, 1% penicillin/streptomycin and 2% L-glutamine (all from Carlo Erba Reagents Srl).

### **Microarray analysis**

Labelled cRNA was synthesized from 100 ng of total RNA using the Gene expression low input quick amp labelling Kit (Agilent Technologies, Palo Alto, CA, USA) in the presence of cyanine 3-CTP (Perkin-Elmer Life Sciences, Boston, MA, USA). Hybridizations were performed at 65 °C for 17 h in a rotating oven. Images at 3 µm resolution were generated by the Agilent scanner, and Feature Extraction 10.5 software (Agilent Technologies) was used to obtain the microarray raw data. RNA was hybridized on Agilent SurePrint G3 Human Gene Expression v3 8x60K Microarray Kit (#G4851C, Agilent Technologies). Microarray results were analyzed using the Qlucore Omics Explorer software (Qlucore). Percentile normalization was used. Experimental sessions data were grouped for both samples analysed and comparative analyses performed between samples.

## SUPPLEMENTARY FIGURES

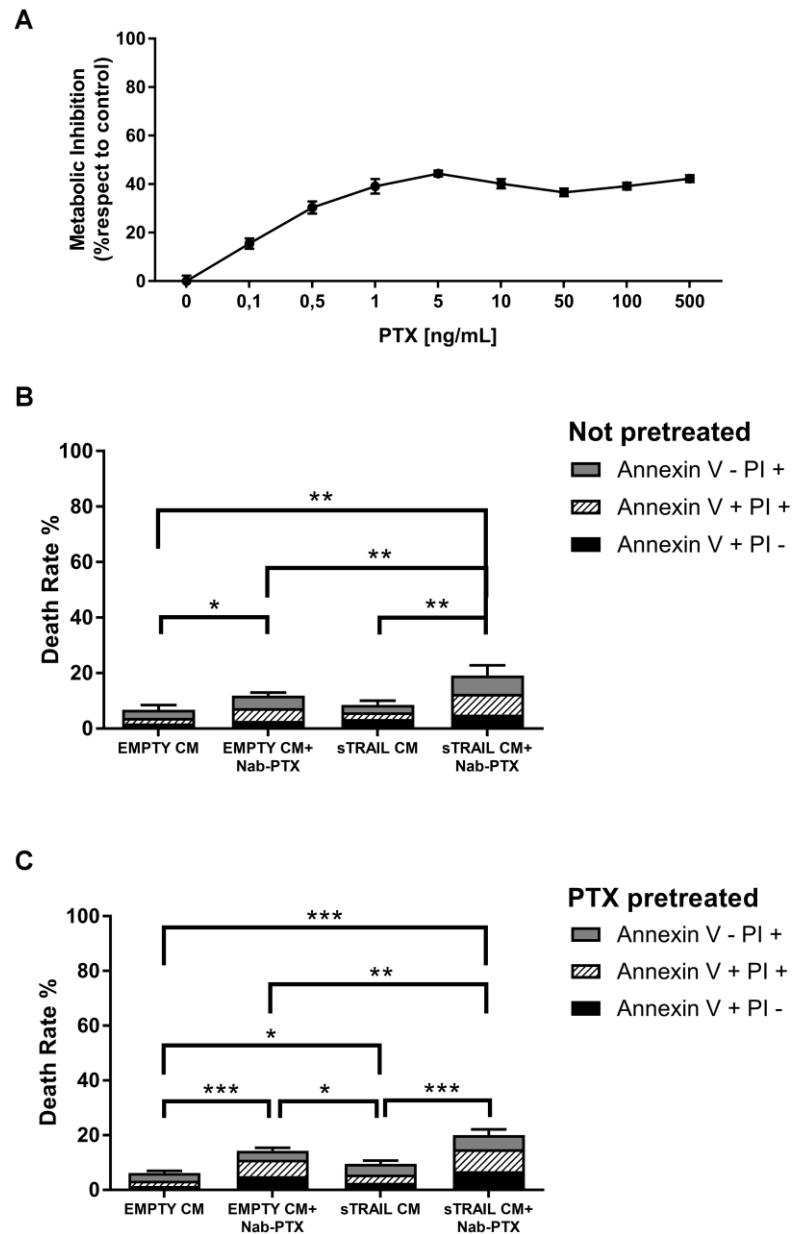
### Supplementary Figure S1. Nab-Paclitaxel treatment is effective in restoring TRAIL sensitivity in resistant BXPC3 cell line



(A) *In vitro* combined treatment of sTRAIL-containing supernatant with Nab-PTX. PA clone cells were treated for 24 h with AD-MSC EMPTY derived conditioned medium (“EMPTY CM”) or AD-MSC sTRAIL derived conditioned medium (“sTRAIL CM”) or the same with 5 ng/ml PTX (“EMPTY CM+Nab-PTX” and “sTRAIL CM+Nab-PTX”). Death rate was evaluated by PI and Annexin V staining in flow cytometry. Death rate for EMPTY CM was  $7.0 \pm 0.4\%$ , for EMPTY CM+Nab-PTX was  $14.0 \pm 1.3\%$ , for sTRAIL CM was  $8.4 \pm 0.7\%$ , for sTRAIL CM+Nab-PTX was  $48.8 \pm 2.0\%$  (B) Pre-treatment strategy included a 24 h incubation with 5 ng/ml PTX for EMPTY CM+Nab-PTX and sTRAIL CM+Nab-PTX groups. The subsequent treatment was performed as in “A” for a further 24 h. Death rate for EMPTY was  $6.9 \pm 0.5\%$ , for EMPTY CM+Nab-PTX was  $13.9 \pm 0.6\%$ , for sTRAIL CM was  $11.6 \pm 0.6\%$ , for sTRAIL CM+Nab-PTX was  $56.2 \pm 2.3\%$ . All data are represented as the mean

of two independent experiments performed in triplicate. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$  by Student's T-Test.

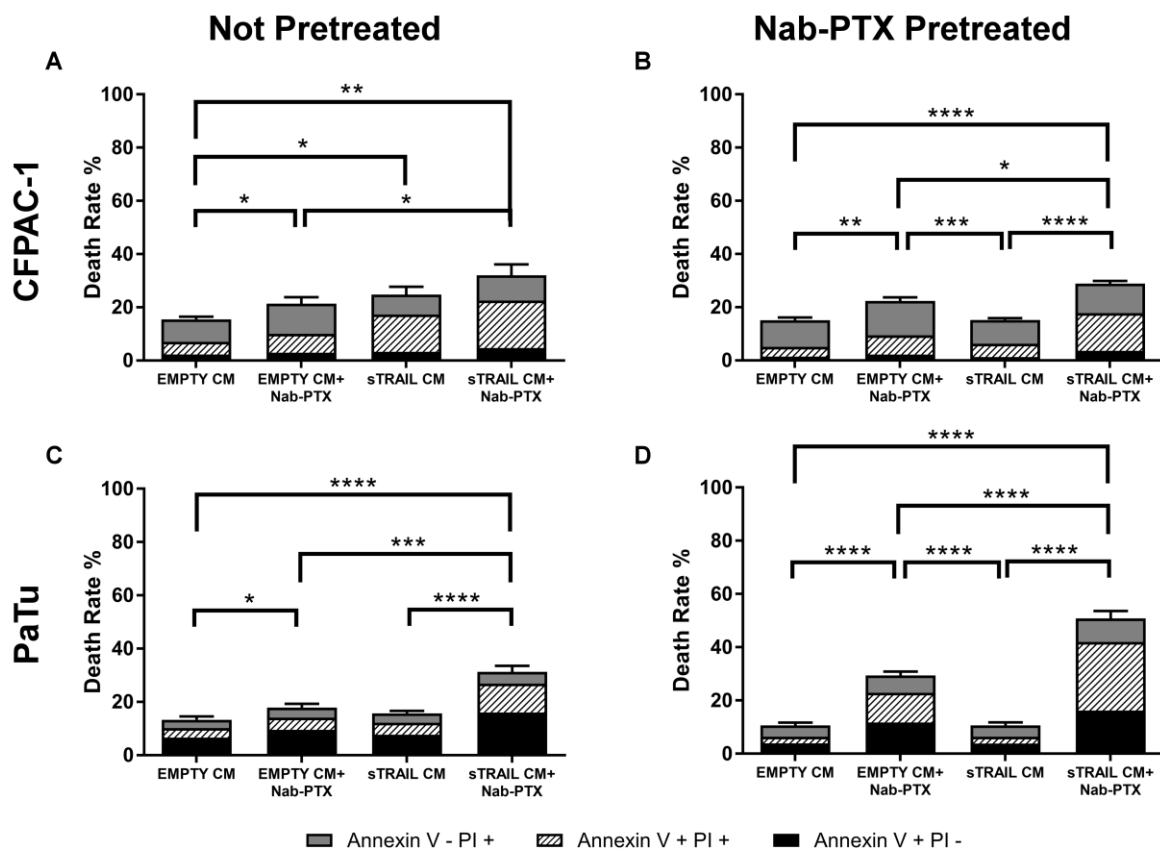
### Supplementary Figure S2. Nab-Paclitaxel impact on AD-MSC



(A) Nab-PTX dose-response assay for AD-MSC EMPTY by MTS. Cells were treated with a range of concentrations of PTX for 72 h observing a reduction in metabolic activity which reaches a plateau level of 50% at the dose of 5 ng/mL. (B) *In vitro* combined treatment of sTRAIL-containing supernatant with Nab-PTX. AD-MSC EMPTY cells were treated for 24 h with AD-MSC EMPTY

derived conditioned medium (EMPTY CM) or AD-MSC sTRAIL derived conditioned medium (sTRAIL CM) or the same with 5 ng/mL PTX (EMPTY CM+Nab-PTX and sTRAIL CM+Nab-PTX). Death rate was evaluated by PI and Annexin V staining in flow cytometry. Death rate for EMPTY CM was  $6.8\pm 1.7\%$ , for EMPTY CM+Nab-PTX was  $7.4\pm 1.1\%$ , for sTRAIL CM was  $8.6\pm 1.5\%$ , for sTRAIL CM+Nab-PTX was  $19.1\pm 3.7\%$ . (C) Pre-treatment strategy included a 24 h incubation with 5 ng/ml PTX for EMPTY CM+Nab-PTX and sTRAIL CM+Nab-PTX groups. The subsequent treatment was performed as in "B" for a further 24 h. Death rate for EMPTY was  $3.4\pm 0.8\%$ , for EMPTY CM+Nab-PTX was  $14.3\pm 1.1\%$ , for sTRAIL CM was  $5.6\pm 1.1\%$ , for sTRAIL CM+Nab-PTX was  $14.9\pm 2.1\%$ . All data are represented as the mean of two independent experiments performed in triplicate. \*  $p<0.05$ , \*\*  $p<0.01$ , \*\*\*  $p<0.001$  by Student's T-Test.

**Supplementary Figure S3.** sTRAIL and PTX combinatory treatment on PaTu and CF-PAC pancreatic cancer cell lines



*In vitro* combined treatment of sTRAIL-containing supernatant with Nab-PTX. CFPAC-1 and PaTu cell lines have been treated for 24 h with AD-MSC EMPTY derived conditioned medium (EMPTY CM) or AD-MSC sTRAIL derived conditioned medium (sTRAIL CM) or the same with 5 ng/mL PTX (EMPTY CM+Nab-PTX and sTRAIL CM+Nab-PTX). Pre-treatment strategy included a 24 h incubation with 5 ng/ml PTX for EMPTY CM+Nab-PTX and sTRAIL CM+Nab-PTX groups. The subsequent treatment was performed as above for a further 24 h. Death rate was evaluated by PI and Annexin V staining in flow cytometry. A) in the CFPAC-1 line, sTRAIL alone induced 24.8±3.0% of death, while the combination with Nab-PTX generated a higher, although modest, cell death (32.0±4.1% versus 15.5±1.0% of CFPAC-1 basal mortality and 21.4±2.4% due to Nab-PTX). B) In the setting when 24 h of Nab-PTX pretreatment was applied we observed a 28.9±1.0% mortality rate in combination with sTRAIL and Nab-PTX, greater than the 15.2±0.9% observed with sTRAIL alone. In this setting Nab-PTX produced 22.4±1.3% death rate while basal mortality was

again  $15.2\pm 0.9\%$ . C) PaTu cells showed a higher resistance to sTRAIL alone with only  $15.7\pm 0.9\%$  cell death, while EMPTY CM-treated cells showed  $13.3\pm 1.2\%$  mortality. Treatment with Nab-PTX alone resulted in  $17.9\pm 1.4\%$  mortality while the combined treatment reached  $31.3\pm 2.3\%$  cell death. D) In the setting with 24 h of Nab-PTX pretreatment, EMPTY CM-treated PaTu cells showed  $10.6\pm 1.0\%$  death rate, almost identical to sTRAIL CM-treated cells ( $10.6\pm 1.2\%$ ). We observed an increase of in Nab-PTX death rate ( $29.4\pm 1.5\%$ ) and, most importantly, we obtained a very relevant increase in cytotoxicity with the combined treatment, reaching  $50.1\pm 2.8\%$ . All data are represented as the mean of two independent experiments performed in triplicate. \*  $p<0.05$ , \*\*  $p<0.01$ , \*\*\*  $p<0.001$ ; \*\*\*\*  $p<0.0001$  by Student's T-Test.

**Supplementary Table S1. Microarray analysis BXPC3 PA vs BXPC3 WT**

Gene expression is quantile normalized and log2 transformed

ProbeName	BXPC3 PA	BXPC3 WT	Fold Change	EnsemblID	EntrezGeneID	GenbankAccession	GeneSymbol
A_21_P0012278	14,7646	1,47279	10028,44291	ENST00000434304	N/A	N/A	N/A
A_23_P321846	8,77103	1,70557	133,9415724	ENST00000306117	3787	NM_002251	KCNS1
A_21_P0012304	7,87208	1,62644	75,87959114	ENST00000558085	N/A	N/A	N/A
A_21_P0006775	11,3331	5,50387	56,85557835	ENST00000432108	N/A	N/A	N/A
A_23_P28466	8,12938	2,45732	50,98708661	ENST00000309931	164781	NM_178821	DAW1
A_33_P3319987	7,2656	1,71922	46,73333209	N/A	256380	NM_198081	SCML4
A_22_P00000987	6,82282	1,6803	35,32260895	ENST00000624974	439949	N/A	PRKCQ-AS1
A_21_P0007364	7,83997	2,87767	31,1746185	N/A	N/A	N/A	lnc-CFL1-1
A_23_P151975	9,63684	4,77168	29,14466674	ENST00000558360	51458	NM_016321	RHCG
A_21_P0011496	8,0144	3,22501	27,65349648	ENST00000566467	1066	NM_001025195	CES1
A_23_P35277	6,42687	1,81361	24,47539096	ENST00000361539	57795	NM_021165	BRINP2
A_33_P3241269	11,544	6,95703	24,03341906	ENST00000421606	1066	NM_001025195	CES1
A_24_P332857	6,56012	2,05642	22,68552276	ENST00000419982	255313	NM_173571	CT47A11
A_23_P501933	7,66649	3,23507	21,57696432	ENST00000352529	59285	NM_145814	CACNG6
A_23_P111311	9,3036	4,92108	20,85787097	ENST00000253332	9590	NM_144497	AKAP12
A_32_P152437	12,4503	8,07776	20,71408229	ENST00000402676	9590	NM_005100	AKAP12
A_23_P310956	6,30326	1,957	20,34017237	ENST00000310645	1292	NM_058175	COL6A2
A_22_P00013600	5,73896	1,44236	19,65194226	N/A	N/A	N/A	lnc-RP11-521M14.2.1-1
A_22_P00007266	5,56366	1,3683	18,32015748	N/A	N/A	N/A	lnc-GPR151-1
A_33_P3231247	5,67756	1,4825	18,31634831	ENST00000620151	N/A	N/A	N/A
A_21_P0006146	6,85121	2,68581	17,94363159	N/A	101927042	XR_242550	LOC101927042
A_32_P27917	6,54984	2,41249	17,5981272	N/A	26153	NM_015656	KIF26A
A_22_P00019236	6,6211	2,48607	17,56985037	N/A	N/A	N/A	lnc-BTC-5
A_22_P00022705	5,67905	1,5544	17,44389129	ENST00000419614	N/A	N/A	N/A
A_23_P214897	12,4247	8,36438	16,6831522	ENST00000490177	9590	NM_144497	AKAP12
A_33_P3232334	6,44176	2,42056	16,23685149	ENST00000430461	100131755	N/A	ARMCX4
A_23_P314755	7,91522	3,92878	15,85031932	ENST00000290271	6781	NM_003155	STC1
A_22_P00013564	5,60962	1,62415	15,8396659	ENST00000510570	N/A	N/A	N/A
A_23_P104996	5,38764	1,50924	14,70668313	ENST00000524877	7439	NM_004183	BEST1

A_21_P0013183	5,27775	1,44701	14,22877938	N/A	N/A	N/A	XLOC_I2_013302
A_21_P0010131	5,39385	1,61116	13,76268451	ENST00000442550	54088	NR_024357	LINC00113
A_21_P0008983	5,51812	1,74015	13,71773133	N/A	N/A	N/A	Inc-KIAA0513-1
A_33_P3265514	8,2033	4,44389	13,54238561	ENST00000618007	7179	NM_199261	TPTE
A_33_P3556532	6,68075	2,93867	13,38068436	ENST00000587177	8632	N/A	DNAH17
A_21_P0008397	5,18777	1,51073	12,79084792	N/A	N/A	N/A	Inc-EIF5-1
A_21_P0005791	5,07439	1,42885	12,51459762	N/A	N/A	N/A	Inc-ANGPT2-5
A_21_P0002153	5,69171	2,05244	12,46032679	N/A	N/A	N/A	Inc-ACP1-6
A_32_P3955	6,54912	2,93579	12,23828927	ENST00000348904	136288	NM_001100159	C7orf57
A_21_P0009773	7,0078	3,40534	12,14642627	N/A	N/A	N/A	Inc-BBC3-1
A_23_P51126	11,5452	8,03958	11,35786686	ENST00000427077	9173	NM_016232	IL1RL1
A_24_P356916	9,54246	6,03925	11,33890955	ENST00000279027	64849	NM_001011554	SLC13A3
A_33_P3419485	4,91329	1,44266	11,08571563	N/A	N/A	BX106402	N/A
A_21_P0000160	8,81306	5,41536	10,53924781	ENST00000273695	116211	NM_138461	TM4SF19
A_24_P51909	7,06787	3,69155	10,38421317	ENST00000304062	10815	NM_006651	CPLX1
A_32_P219660	6,66152	3,2909	10,34326672	ENST00000615379	30014	NM_013453	SPANXA1
A_33_P3394727	7,68734	4,33998	10,17784344	ENST00000522079	10656	NM_006558	KHDRBS3
A_21_P0004566	6,74091	3,39808	10,14593558	N/A	N/A	N/A	Inc-ARRDC3-1
A_19_P00315773	6,47503	3,13852	10,10158659	ENST00000495228	344595	N/A	LINC00883
A_33_P3417432	5,66304	2,33561	10,03820911	N/A	100129098	XM_001714893	LOC100129098
A_32_P116556	8,38545	5,11247	9,666408741	ENST00000437464	84627	NM_001127464	ZNF469
A_21_P0011280	6,65007	3,39863	9,523157546	ENST00000229465	400221	N/A	FLJ22447
A_33_P3211608	4,72176	1,47116	9,517614362	ENST00000427077	9173	NR_104167	IL1RL1
A_23_P75800	6,93197	3,71345	9,308314785	ENST00000394836	5866	NM_013401	RAB3IL1
A_21_P0000590	4,78931	1,58186	9,237164112	N/A	9839	NR_033258	ZEB2
A_21_P0007326	4,62159	1,41868	9,208141479	N/A	N/A	N/A	Inc-FANCF-1
A_23_P148541	10,56	7,37736	9,079670857	ENST00000328435	246100	NM_139250	CTAG1A
A_33_P3347397	4,65236	1,47679	9,035284319	ENST00000371962	154796	NM_001113490	AMOT
A_22_P00009501	4,91421	1,74318	9,00689598	ENST00000518217	N/A	N/A	N/A
A_33_P3407339	5,09912	1,96314	8,790711875	ENST00000392500	387119	NM_206921	CEP85L
A_24_P462853	4,53832	1,40392	8,781089798	ENST00000431296	387644	NR_026795	LINC00202-1
A_21_P0000640	5,48849	2,36742	8,700329259	N/A	728192	N/A	LINC00460
A_33_P3211268	6,8642	3,76144	8,590606561	ENST00000527691	54865	AK301232	GPATCH4



A_21_P0007962	4,96633	1,87484	8,523760164	ENST00000439790	728192	NR_034119	LINC00460
A_22_P00002184	5,59266	2,52771	8,368389487	N/A	N/A	N/A	lnc-BTC-5
A_23_P301304	7,54713	4,49132	8,31554027	ENST00000526570	2260	NM_023110	FGFR1
A_23_P41344	12,1767	9,12566	8,2880919	ENST00000244869	2069	NM_001432	EREG
A_33_P3389704	4,89151	1,84886	8,240032342	ENST00000566555	1066	NM_001266	CES1
A_23_P102731	12,7058	9,66447	8,232496537	ENST00000621355	54498	NM_175839	SMOX
A_33_P3282634	7,91648	4,877	8,221946589	ENST00000552270	160428	NM_001034173	ALDH1L2
A_22_P00020093	9,00054	5,97219	8,158760552	ENST00000429352	N/A	N/A	N/A
A_32_P140030	4,43952	1,44044	7,994900063	ENST00000299162	121643	NM_213596	FOXN4
A_23_P253350	10,5762	7,58439	7,954713661	ENST00000315792	56892	NM_020130	C8orf4
A_33_P3387548	6,41122	3,42327	7,933458888	ENST00000416405	26080	NR_027278	FAM230C
A_22_P00017981	4,60283	1,61772	7,917856935	N/A	N/A	AF086361	lnc-ZMYM2-4
A_24_P256018	7,55459	4,57047	7,912425441	ENST00000415338	N/A	XM_005245702	N/A
A_33_P3763412	5,95167	2,98236	7,831615846	ENST00000457033	102724434	AK097428	LOC102724434
A_33_P3293888	6,19959	3,23467	7,807821117	ENST00000342251	2334	NM_002025	AFF2
A_23_P369899	9,66374	6,69884	7,807712878	ENST00000503771	25907	NM_015444	TMEM158
A_33_P3234550	4,51535	1,55669	7,774015585	ENST00000419960	N/A	N/A	N/A
A_21_P0002532	4,77753	1,82273	7,753243633	N/A	N/A	N/A	lnc-AC073043.2.1-1
A_33_P3391796	6,48025	3,54556	7,645919442	ENST00000332822	9241	NM_005450	NOG
A_23_P161624	12,7107	9,78194	7,614556441	ENST00000312562	8061	NM_005438	FOSL1
A_33_P3253975	10,8535	7,92639	7,605852705	ENST00000533610	38	NM_000019	ACAT1
A_21_P0008993	4,32891	1,42444	7,487426833	N/A	N/A	N/A	lnc-JPH3-1
A_33_P3318343	8,95105	6,05123	7,4633327	ENST00000369585	30848	NM_020994	CTAG2
A_21_P0013426	5,50835	2,61047	7,45330346	ENST00000422212	650226	NR_029420	LOC650226
A_23_P24515	14,0506	11,153	7,451857055	ENST00000533597	38	NM_000019	ACAT1
A_21_P0006873	4,34674	1,45191	7,437563084	N/A	N/A	N/A	lnc-MTRNR2L5-3
A_21_P0003720	4,36051	1,46861	7,422473307	ENST00000506195	N/A	N/A	N/A
A_21_P0000040	8,32787	5,44822	7,35971551	N/A	9841	NM_001164313	ZBTB24
A_24_P54390	4,36869	1,50536	7,276930339	ENST00000407811	25780	NM_170672	RASGRP3
A_23_P57474	7,94355	5,09108	7,22235833	ENST00000332585	23762	NM_030758	OSBP2
A_23_P42868	4,82469	1,97748	7,196073888	ENST00000275525	3484	NM_000596	IGFBP1
A_33_P3307535	4,35539	1,51304	7,171873293	ENST00000615181	26080	NR_027278	FAM230C
A_23_P372946	9,25333	6,41213	7,166158732	ENST00000442633	116211	NM_138461	TM4SF19

A_22_P00005343	12,3994	9,56459	7,134488496	ENST00000506387	3755	NM_002237	KCNG1
A_24_P355944	12,9866	10,1608	7,090070633	ENST00000245323	1948	NM_004093	EFNB2
A_21_P0004240	4,47638	1,65827	7,05237896	N/A	N/A	N/A	Inc-WDR70-3
A_24_P203678	11,1298	8,31406	7,040803113	ENST00000265838	38	NM_000019	ACAT1
A_22_P00016474	4,26632	1,45195	7,034120258	N/A	727677	NR_117100	CASC8
A_23_P30122	4,52657	1,71746	7,008520873	ENST00000477645	3558	NM_000586	IL2
A_23_P351148	6,5248	3,72998	6,939443633	ENST00000367929	117157	NM_053282	SH2D1B
A_33_P3789693	4,42271	1,637	6,895762085	N/A	158295	BC020879	MGC24103
A_21_P0005005	4,56927	1,78392	6,89404158	N/A	102724520	XR_431974	LOC102724520
A_23_P137797	4,60794	1,83837	6,819046392	ENST00000366574	6262	NM_001035	RYR2
A_21_P0011912	4,39768	1,64032	6,761578102	N/A	N/A	N/A	XLOC_I2_007986
A_23_P418485	7,84709	5,0974	6,725725972	ENST00000393084	160140	NM_152587	C11orf65
A_32_P74409	13,3263	10,5852	6,68579908	ENST00000617612	387763	NM_001145033	C11orf96
A_21_P0011693	6,43884	3,70108	6,670338612	ENST00000592712	101927667	N/A	LINC01535
A_22_P00000718	4,62471	1,88796	6,665670485	N/A	N/A	N/A	Inc-ADAMTS18-1
A_22_P00024938	4,20733	1,47637	6,638972611	N/A	N/A	N/A	Inc-SERPINE2-1
A_23_P156390	4,32841	1,60075	6,623804075	ENST00000333010	9832	NM_014790	JAKMIP2
A_21_P0013305	5,23344	2,50932	6,607570899	N/A	N/A	N/A	XLOC_I2_013835
A_21_P0007273	6,42399	3,70007	6,606654959	N/A	N/A	N/A	Inc-ATM-1
A_22_P00012322	4,30831	1,58592	6,599652215	ENST00000517681	N/A	N/A	N/A
A_21_P0008528	4,30877	1,58801	6,592199941	N/A	N/A	N/A	Inc-JPH4-1
A_21_P0006477	6,22606	3,50566	6,590555175	N/A	N/A	N/A	Inc-ASMT-1
A_21_P0009209	4,46796	1,74828	6,587266874	N/A	N/A	N/A	Inc-TUSC5-1
A_21_P0014214	11,7723	9,05388	6,581516294	N/A	100507056	NR_108049	CCAT1
A_21_P0010640	4,08919	1,37175	6,577047092	N/A	N/A	N/A	XLOC_I2_001037
A_23_P206733	7,76595	5,07973	6,436248372	ENST00000569260	1066	NM_001266	CES1
A_33_P3343145	4,88592	2,21824	6,354065668	ENST00000296755	4131	NM_005909	MAP1B
A_22_P00004907	5,68495	3,01805	6,35063124	ENST00000439790	728192	NR_034119	LINC00460
A_33_P3211229	9,0122	6,34543	6,350059016	ENST00000375682	54733	NM_017515	SLC35F2
A_32_P108156	6,33025	3,67449	6,301782666	ENST00000456917	114614	NR_001458	MIR155HG
A_23_P315364	11,3823	8,73381	6,270106726	ENST00000508487	2920	NM_002089	CXCL2
A_22_P00010877	9,48129	6,83453	6,262592468	N/A	N/A	N/A	Inc-NPAT-2
A_21_P0005906	10,8434	8,19684	6,261724348	ENST00000521815	N/A	N/A	N/A

A_23_P76249	10,4615	7,81504	6,261290334	ENST00000252252	3854	NM_005555	KRT6B
A_19_P00803039	4,40456	1,76893	6,214464157	N/A	100130476	N/A	LOC100130476
A_21_P0012189	5,31933	2,68654	6,202242781	N/A	N/A	N/A	XLOC_I2_009159
A_33_P3406904	4,11745	1,48471	6,202027831	N/A	101928561	XR_246464	LOC101928561
A_23_P64121	9,21475	6,58458	6,190989447	ENST00000321505	25758	NM_012194	KIAA1549L
A_22_P00002908	4,88518	2,25578	6,187686053	N/A	N/A	N/A	Inc-C4orf52-1
A_22_P00010374	4,28	1,65669	6,161621234	N/A	N/A	AK128684	Inc-MYH13-2
A_23_P326414	4,12671	1,50558	6,15231768	N/A	441177	NR_027284	LINC00602
A_21_P0009781	8,9834	6,36368	6,146307727	ENST00000397381	652995	NR_015379	UCA1
A_22_P00000437	7,24427	4,62976	6,124151615	ENST00000415399	101927125	NR_120510	ELFN1-AS1
A_23_P374844	11,0828	8,47206	6,108169089	ENST00000265643	51083	NM_015973	GAL
A_22_P00002970	4,27802	1,6688	6,10173701	N/A	N/A	AK056958	Inc-C6orf112-1
A_33_P3408711	8,68181	6,07827	6,077761236	ENST00000610817	2316	NM_001456	FLNA
A_23_P95851	6,83629	4,23469	6,06959393	ENST00000380419	79861	NM_024803	TUBAL3
A_23_P114185	6,49965	3,89846	6,067869255	ENST00000471410	7102	NM_004615	TSPAN7
A_23_P155596	5,30893	2,71231	6,048678582	ENST00000367755	2328	NM_001002294	FMO3
A_21_P0007404	4,23232	1,63899	6,034900563	N/A	N/A	N/A	Inc-CADM1-3
A_33_P3233608	5,82452	3,23126	6,034607755	ENST00000358993	64663	NM_022661	SPANXC
A_21_P0008378	4,4923	1,89939	6,033143928	N/A	N/A	N/A	nc-RP11-1070N10.3.1-1
A_33_P3332081	7,86812	5,27543	6,03222399	ENST00000355849	10656	NM_006558	KHDRBS3
A_23_P203013	9,12266	6,53119	6,027125059	ENST00000278612	4863	NM_002519	NPAT
A_19_P00322220	12,8409	10,2533	6,010979084	ENST00000413755	388796	NR_027241	SNHG17
A_33_P3271657	6,43186	3,85925	5,948846696	ENST00000330710	84439	NM_001127258	HHIPL1
A_33_P3289726	4,18097	1,61503	5,921406922	ENST00000495602	N/A	XR_132569	N/A
A_33_P3362296	9,25637	6,69094	5,919314045	N/A	3755	XM_006723786	KCNG1
A_24_P391574	4,92394	2,37822	5,838994693	ENST00000315571	143458	AK075546	LDLRAD3
A_23_P110712	11,6937	9,15835	5,797174851	ENST00000239223	1843	NM_004417	DUSP1
A_22_P00009500	7,6357	5,10387	5,783047692	ENST00000517292	N/A	N/A	N/A
A_21_P0010028	5,24151	2,71556	5,759525661	N/A	N/A	N/A	Inc-ABHD12-1
A_33_P3243887	8,75031	6,229	5,741031614	ENST00000264563	3589	NM_000641	IL11
A_23_P110403	9,57599	7,0598	5,7206933	ENST00000514142	27295	NM_014476	PDLIM3
A_33_P3319870	4,03975	1,52764	5,704537802	ENST00000322805	26585	NM_001191323	GREM1
A_21_P0007726	8,09838	5,58761	5,699241789	ENST00000552466	N/A	N/A	N/A

A_23_P500093	4,16789	1,66746	5,658540545	ENST00000391995	6003	NM_002927	RGS13
A_33_P3214849	12,4693	9,96907	5,657756159	ENST00000434945	143888	NM_153705	KDELC2
A_23_P85209	4,08403	1,58538	5,651563331	ENST00000243213	3598	NM_000640	IL13RA2
A_33_P3307253	4,46447	1,96707	5,646668746	ENST00000317704	26289	NM_012093	AK5
A_21_P0013804	4,15141	1,65753	5,632908356	N/A	N/A	N/A	XLOC_I2_015661
A_21_P0004422	4,28256	1,79462	5,609763694	N/A	N/A	N/A	Inc-ARRDC3-1
A_23_P400449	4,12914	1,64957	5,577312081	ENST00000302536	57687	NM_020927	VAT1L
A_22_P00006201	8,3611	5,88191	5,575843234	ENST00000488846	100287482	NM_001195243	SMKR1
A_23_P321935	8,47465	5,99988	5,558786606	ENST00000332585	23762	NM_030758	OSBP2
A_23_P217468	4,26597	1,79721	5,535677898	ENST00000370460	2334	NM_002025	AFF2
A_21_P0005895	4,13396	1,66559	5,534181655	N/A	N/A	N/A	Inc-SAMD12-2
A_23_P150483	4,11545	1,64895	5,527012977	ENST00000534741	84767	NM_032681	TRIM51
A_21_P0007169	4,30028	1,84008	5,502930088	N/A	N/A	N/A	Inc-MUC2-1
A_22_P00009741	6,64526	4,19061	5,481801165	N/A	N/A	N/A	Inc-MDH1B-2
A_22_P00023340	5,98406	3,53117	5,47511778	N/A	101929268	NR_105002	LOC101929268
A_23_P8913	8,94764	6,49825	5,46185116	ENST00000285379	760	NM_000067	CA2
A_23_P376557	7,86747	5,41865	5,459693642	ENST00000336577	64386	NM_022468	MMP25
A_21_P0008446	4,0505	1,60406	5,450694264	N/A	N/A	N/A	Inc-TMEM30B-3
A_21_P0011691	6,35185	3,90797	5,441030819	ENST00000591116	101927667	NR_110720	LINC01535
A_22_P00012767	3,83524	1,39359	5,432627015	N/A	101927688	NR_110810	SEPT4-AS1
A_22_P00017451	4,02232	1,58137	5,429991727	ENST00000556669	N/A	N/A	N/A
A_23_P130435	4,991	2,56099	5,388971661	ENST00000596399	3982	NM_030657	LIM2
A_22_P00015854	4,021	1,60301	5,34425927	ENST00000428516	N/A	BX487629	N/A
A_23_P416581	3,88064	1,46346	5,341259582	ENST00000615612	2781	NM_002073	GNAZ
A_33_P3409184	4,07949	1,67225	5,304585414	ENST00000444413	N/A	N/A	N/A
A_23_P210690	17,5978	15,1929	5,295988539	ENST00000217233	57761	NM_021158	TRIB3
A_21_P0004840	3,89882	1,49995	5,27389921	N/A	N/A	N/A	Inc-CD83-2
A_33_P3217619	8,70897	6,31075	5,271523613	ENST00000552466	N/A	N/A	N/A
A_22_P00009204	6,86881	4,47102	5,269952652	ENST00000512546	N/A	N/A	N/A
A_22_P00024299	4,27646	1,88462	5,248262935	N/A	221946	NR_126168	LOC221946
A_33_P3328928	8,13688	5,74633	5,243572246	ENST00000507670	55589	NM_017593	BMP2K
A_22_P00007076	6,55253	4,16227	5,242518328	ENST00000549888	N/A	BX111629	N/A
A_21_P0004119	5,24072	2,85495	5,226227764	ENST00000511840	N/A	N/A	N/A

A_21_P0002854	4,30182	1,9189	5,215913701	ENST00000465946	N/A	N/A	N/A
A_21_P0004980	5,42693	3,04716	5,204537628	ENST00000453935	N/A	XR_245649	N/A
A_23_P2271	12,3553	9,97851	5,193798342	ENST00000542963	5744	NM_198965	PTHLH
A_33_P3211929	10,0776	7,70129	5,192070597	ENST00000301459	283248	NM_173587	RCOR2
A_21_P0006780	3,9978	1,62419	5,182362738	N/A	N/A	N/A	Inc-ANKRD1-1
A_21_P0012157	5,31163	2,93953	5,176941444	ENST00000427820	N/A	N/A	N/A
A_24_P879740	7,50938	5,13779	5,175111692	ENST00000296755	4131	NM_005909	MAP1B
A_32_P184394	4,16227	1,79252	5,168515609	ENST00000320239	22797	NM_012252	TFEC
A_33_P3218410	6,51979	4,15175	5,162393092	N/A	472	BC007023	ATM
A_22_P00006120	4,29461	1,92677	5,161677482	ENST00000511468	N/A	N/A	N/A
A_19_P00320162	9,2295	6,86193	5,160711566	N/A	N/A	DQ080207	Inc-DNTTIP2-1
A_23_P374281	3,91164	1,54622	5,153026458	ENST00000296733	166979	NM_152623	CDC20B
A_33_P3589722	9,46665	7,10158	5,151776478	ENST00000601453	472	NM_000051	ATM
A_33_P3275846	4,03907	1,67537	5,146886613	ENST00000614285	773	NM_023035	CACNA1A
A_22_P00015445	6,02969	3,6681	5,139364585	ENST00000613502	100505664	XR_109653	LOC100505664
A_23_P377291	8,28628	5,92809	5,127266903	ENST00000295400	7039	NM_003236	TGFA
A_33_P3284345	12,5901	10,2328	5,124104862	ENST00000522569	3084	NM_004495	NRG1
A_21_P0014697	3,83826	1,48387	5,113779661	ENST00000582251	101060542	NR_110764	LOC101060542
A_21_P0014188	4,4561	2,11262	5,075253907	N/A	401317	BC087859	LOC401317
A_24_P278747	5,83779	3,4963	5,068258117	ENST00000261254	894	NM_001759	CCND2
A_24_P922465	5,45197	3,11304	5,059272686	N/A	N/A	N/A	N/A
A_23_P42397	3,9903	1,65193	5,057309248	ENST00000369700	167681	NM_153362	PRSS35
A_33_P3323520	8,68062	6,34761	5,038554844	ENST00000617528	84437	NM_032424	MSANTD4
A_23_P6535	9,08453	6,75338	5,032063054	ENST00000395676	113730	NM_138433	KLHDC7B
A_21_P0001742	3,98657	1,65811	5,022689183	N/A	N/A	N/A	Inc-SHE-1
A_21_P0001760	3,86863	1,54295	5,013020035	N/A	N/A	N/A	Inc-C1orf198-2
A_22_P00004785	9,51073	7,18813	5,002329188	ENST00000561746	N/A	AK090719	N/A
A_33_P3298960	8,62863	6,30837	4,994222165	ENST00000530529	143888	NM_153705	KDELC2
A_23_P153855	5,71739	3,3982	4,990519486	ENST00000456783	57615	NM_020855	ZNF492
A_33_P3241984	3,90759	1,58879	4,989170594	ENST00000538253	26191	NM_015967	PTPN22
A_23_P161719	10,5964	8,28005	4,980705122	ENST00000431778	143884	NM_152434	CWF19L2
A_21_P0011696	11,7298	9,41564	4,973150185	ENST00000590657	100506930	NR_038279	LINC00665
A_23_P406782	3,66476	1,35755	4,94925028	ENST00000262626	3249	NM_182983	HPN

A_33_P3366141	4,04592	1,74723	4,920108054	N/A	N/A	AK094244	N/A
A_22_P00009254	3,95185	1,65561	4,911759765	ENST00000415918	N/A	N/A	N/A
A_22_P00002679	8,63678	6,34379	4,900707358	ENST00000453568	101927787	N/A	LOC101927787
A_21_P0011129	7,43792	5,14577	4,897854783	ENST00000445572	374491	NR_002815	TPTE2P6
A_33_P6703403	4,63547	2,3465	4,887070782	ENST00000617967	285973	NR_073169	ATG9B
A_22_P00002152	10,9719	8,68349	4,885174173	ENST00000566876	N/A	N/A	N/A
A_33_P3272010	3,74966	1,46217	4,882059913	N/A	N/A	AA496144	N/A
A_32_P351968	4,27776	1,99484	4,866619564	ENST00000461570	3109	NM_002118	HLA-DMB
A_32_P169505	3,74146	1,46053	4,859911358	ENST00000616200	340533	NM_001008537	KIAA2022
A_22_P00020773	3,68469	1,40689	4,849378963	ENST00000432442	N/A	N/A	N/A
A_32_P204137	3,88047	1,60665	4,836019293	ENST00000264318	2557	NM_000809	GABRA4
A_21_P0007055	4,23389	1,96049	4,834611627	N/A	N/A	N/A	Inc-MAP3K8-6
A_21_P0001109	3,94272	1,67011	4,831964984	ENST00000429666	N/A	N/A	N/A
A_33_P3411260	4,81238	2,5432	4,820490658	N/A	100288884	AK124122	LOC100288884
A_23_P383258	8,32609	6,05834	4,815714953	ENST00000489618	9615	NM_004293	GDA
A_21_P0013815	4,42602	2,16069	4,807643766	N/A	N/A	N/A	XLOC_I2_015738
A_33_P3482446	3,6618	1,39653	4,807443826	ENST00000584677	339298	NR_040034	LOC339298
A_24_P117410	8,38801	6,12596	4,796725894	ENST00000395676	113730	NM_138433	KLHDC7B
A_22_P00018925	3,82473	1,56304	4,795529102	ENST00000441909	9034	N/A	CCRL2
A_24_P183150	7,96563	5,70394	4,795529102	ENST00000296026	2921	NM_002090	CXCL3
A_21_P0013642	8,02309	5,76547	4,782019457	N/A	101929959	N/A	LOC101929959
A_33_P8086411	8,1557	5,90175	4,769870175	ENST00000488846	100287482	NM_001195243	SMKR1
A_21_P0002113	4,17428	1,92525	4,753631268	ENST00000433174	N/A	N/A	N/A
A_22_P00007203	5,08962	2,84482	4,739713974	ENST00000581816	406952	NR_029487	MIR17
A_21_P0011250	5,84443	3,59981	4,739122654	ENST00000556717	400221	N/A	FLJ22447
A_22_P00003963	3,90162	1,65727	4,738235811	N/A	N/A	N/A	Inc-CHCHD8-1
A_23_P19624	7,44066	5,19738	4,734722919	ENST00000283147	654	NM_001718	BMP6
A_22_P00000604	3,9006	1,66038	4,72469107	N/A	N/A	N/A	Inc-ACD-1
A_24_P55295	9,29284	7,05265	4,724592824	ENST00000282561	2697	NM_000165	GJA1
A_21_P0014754	4,03136	1,79602	4,708736526	N/A	N/A	N/A	N/A
A_21_P0013330	4,16276	1,92903	4,703484663	N/A	N/A	N/A	XLOC_I2_013877
A_23_P13713	7,45932	5,22656	4,700323325	ENST00000530631	5630	NM_006262	PRPH
A_23_P9614	6,48946	4,25732	4,698303789	ENST00000555173	56901	NM_020142	NDUFA4L2

A_23_P18684	8,05065	5,82234	4,685847491	ENST00000325617	1047	NM_004362	CLGN
A_21_P0004421	4,63962	2,41192	4,683866641	ENST00000511918	100505994	NR_103548	LUCAT1
A_24_P236935	5,01068	2,78444	4,679128989	ENST00000599690	5653	NM_001012964	KLK6
A_21_P0005197	3,87764	1,65195	4,677345501	ENST00000439027	N/A	N/A	N/A
A_33_P3364826	3,60698	1,38311	4,671448619	ENST00000434029	55130	XM_006717544	ARMC4
A_33_P3418833	11,1794	8,96191	4,650835782	ENST00000341420	23767	NM_198391	FLRT3
A_23_P116168	10,724	8,50933	4,641753788	ENST00000301919	84437	NM_032424	MSANTD4
A_21_P0008953	4,32866	2,11405	4,641560747	N/A	N/A	N/A	Inc-SETD6-6
A_23_P310460	12,5535	10,3391	4,640885166	ENST00000434837	266727	NM_153487	MDGA1
A_22_P00014105	3,86979	1,65771	4,633428149	ENST00000426356	N/A	N/A	N/A
A_22_P00008930	8,37513	6,16366	4,631469459	ENST00000552856	N/A	N/A	N/A
A_22_P00020744	4,38819	2,18085	4,61822992	N/A	N/A	BM714175	Inc-DLX2-2
A_33_P3236661	3,74947	1,54265	4,616565641	N/A	5101	BC150296	PCDH9
A_24_P254551	7,49546	5,29082	4,609594998	ENST00000253401	23229	NM_015185	ARHGEF9
A_24_P139665	3,86456	1,66103	4,60604977	ENST00000372844	51440	NM_016257	HPCAL4
A_22_P00021420	4,50652	2,3033	4,605060148	ENST00000451410	266919	N/A	LINC00307
A_33_P3320010	4,06768	1,86492	4,60359207	ENST00000491988	10389	NM_006089	SCML2
A_33_P3226995	4,35643	2,15459	4,600657316	ENST00000312648	924	NM_006137	CD7
A_33_P3407434	4,08596	1,88546	4,59638613	ENST00000412403	N/A	BX117604	N/A
A_33_P3317603	4,70838	2,5079	4,596322411	ENST00000526584	338707	NM_178537	B4GALNT4
A_33_P3221418	3,71441	1,51404	4,595971972	ENST00000370066	22854	NM_001113228	NTNG1
A_23_P334282	8,04177	5,84242	4,592723722	ENST00000507670	55589	NM_017593	BMP2K
A_22_P00004192	3,80217	1,60333	4,591100458	ENST00000551075	N/A	N/A	N/A
A_23_P337934	11,7433	9,54698	4,583088041	ENST00000375766	54751	NM_017556	FBLIM1
A_21_P0013271	8,56485	6,36882	4,582166874	N/A	100287482	N/A	SMKR1
A_22_P00025033	7,55286	5,35713	4,581214139	ENST00000246841	23769	XM_005273861	FLRT1
A_22_P00015051	10,1427	7,94747	4,579626686	ENST00000584686	285958	NR_003697	SNHG15
A_21_P0010836	3,86543	1,67133	4,576041069	N/A	N/A	N/A	XLOC_I2_001664
A_33_P3389926	8,09063	5,89809	4,571095626	N/A	653203	XM_006726832	FAM230A
A_22_P00011217	5,34964	3,15979	4,562580458	ENST00000561973	N/A	AF070565	N/A
A_33_P3362616	8,23549	6,04641	4,560145952	ENST00000464396	80742	NM_025263	PRR3
A_22_P00025213	3,79541	1,60648	4,559671849	ENST00000541243	100873980	NR_046559	RERG-AS1
A_23_P127533	15,0874	12,8986	4,559260999	ENST00000531571	84259	NM_032299	DCUN1D5

A_21_P0013549	3,92855	1,74247	4,550673247	ENST00000427722	101929302	NR_121586	RFX3-AS1
A_21_P0013650	4,33784	2,15196	4,550042434	N/A	N/A	N/A	XLOC_I2_015212
A_21_P0012645	3,79751	1,6124	4,547614618	N/A	N/A	N/A	XLOC_I2_010989
A_21_P0013746	4,82564	2,64116	4,545629187	N/A	N/A	N/A	XLOC_I2_015438
A_21_P0004715	5,42342	3,23924	4,544684048	ENST00000438217	N/A	N/A	N/A
A_21_P0013572	4,4197	2,23814	4,536438184	N/A	N/A	N/A	XLOC_I2_014820
A_24_P362595	3,80867	1,6292	4,529871106	ENST00000258387	5077	NM_013942	PAX3
A_33_P3634554	3,56918	1,39256	4,520931317	N/A	N/A	N/A	N/A
A_23_P29096	8,11225	5,93735	4,515544615	ENST00000489319	5152	NM_002606	PDE9A
A_23_P171296	6,49757	4,32334	4,513448044	ENST00000491955	4354	NM_002436	MPP1
A_22_P00002715	8,03077	5,85664	4,513135206	ENST00000432910	284757	NR_046099	MIR646HG
A_22_P00004364	5,11058	2,93703	4,511321176	ENST00000614099	N/A	N/A	N/A
A_33_P3400152	5,3904	3,21761	4,508945275	N/A	728558	NR_038444	ENTPD1-AS1
A_33_P3382217	3,81334	1,64118	4,506976726	ENST00000618515	11127	NM_001300791	KIF3A
A_21_P0012281	3,91942	1,74915	4,501076235	ENST00000425895	N/A	XR_430593	N/A
A_21_P0014678	4,39016	2,22302	4,491321508	N/A	100507065	NR_120434	LOC100507065
A_32_P161994	3,68922	1,52575	4,479910779	ENST00000548054	255411	NR_029448	LINC00935
A_23_P425116	3,75725	1,59646	4,471596467	ENST00000613163	10407	NM_016512	SPAG11B
A_21_P0010527	3,8254	1,66627	4,466454298	N/A	N/A	N/A	XLOC_I2_000186
A_23_P315815	12,3703	10,2132	4,46017402	ENST00000522569	3084	NM_004495	NRG1
A_21_P0009467	3,75572	1,60025	4,455137628	N/A	N/A	N/A	Inc-HRH4-2
A_22_P00022401	3,90183	1,74647	4,454797953	ENST00000555967	N/A	N/A	N/A
A_21_P0004424	3,64626	1,49141	4,453223438	N/A	N/A	N/A	Inc-ARRDC3-1
A_22_P00009768	3,81042	1,65577	4,452606133	ENST00000507950	N/A	N/A	N/A
A_33_P3356492	8,86568	6,71185	4,450076077	ENST00000451257	642633	NR_108107	FAM230B
A_33_P3255229	8,26718	6,11527	4,444157665	N/A	80854	BC066361	SETD7
A_21_P0009537	4,08798	1,93645	4,442987246	N/A	N/A	N/A	Inc-CDH2-3
A_21_P0003257	3,82087	1,66937	4,442894858	N/A	N/A	N/A	Inc-C3orf79-5
A_24_P59607	9,21546	7,06522	4,439016281	ENST00000391411	339263	NM_001113434	C17orf51
A_22_P00021090	6,65153	4,50172	4,437693415	N/A	N/A	N/A	Inc-MDH1B-2
A_23_P1691	16,0335	13,8866	4,42875135	ENST00000315274	4312	NM_002421	MMP1
A_22_P00013084	5,84803	3,70215	4,425621284	N/A	N/A	BX648373	Inc-RHOV-1
A_24_P252996	5,45077	3,30572	4,423075903	ENST00000622388	2352	NM_000804	FOLR3



A_22_P00014429	3,58627	1,44213	4,420286866	N/A	N/A	N/A	Inc-SGSM3-1
A_21_P0004423	5,34663	3,20604	4,409423359	N/A	N/A	N/A	Inc-ARRDC3-1
A_23_P372923	5,96258	3,8223	4,408475983	ENST00000440174	2260	NM_001174066	FGFR1
A_22_P00016016	3,77903	1,63968	4,405635076	ENST00000420594	102724434	XR_426248	LOC102724434
A_22_P00010264	3,79153	1,65308	4,402887555	ENST00000560760	N/A	N/A	N/A
A_22_P00014780	3,78762	1,64922	4,402734966	N/A	102724163	XR_429783	LOC102724163
A_22_P00018622	3,98938	1,85255	4,397946335	N/A	N/A	BG183392	Inc-LRRC53-1
A_22_P00000782	3,71345	1,57765	4,394807578	N/A	N/A	N/A	Inc-ADI1-2
A_22_P00002746	3,54951	1,41383	4,394442044	N/A	N/A	N/A	Inc-C21orf49-1
A_33_P3400273	7,42377	5,29051	4,387076915	ENST00000236147	6402	NM_000655	SELL
A_24_P165205	4,57577	2,44447	4,381120817	ENST00000378531	79906	NM_024848	MORN1
A_19_P00800629	5,01567	2,88493	4,37942056	ENST00000450063	100996266	XR_158832	LINC01510
A_32_P105083	5,45224	3,3215	4,37942056	ENST00000622774	348751	N/A	FTCDNL1
A_22_P00008161	3,83567	1,70509	4,378934894	N/A	N/A	N/A	Inc-IMPAD1-1
A_23_P128759	3,78903	1,65872	4,378115454	ENST00000554173	51156	NM_016186	SERPINA10
A_19_P00318511	5,16363	3,03387	4,376446699	ENST00000423838	N/A	N/A	N/A
A_22_P00016678	3,80321	1,67771	4,363542957	ENST00000616342	6881	AL833496	TAF10
A_33_P3283964	3,93134	1,80842	4,355746521	ENST00000566467	390732	N/A	CES1P2
A_21_P0006837	3,7666	1,64489	4,352094852	N/A	101928701	XR_242733	LOC101928701
A_24_P860703	13,6185	11,4971	4,351159794	ENST00000417578	388796	NR_015366	SNHG17
A_21_P0000890	3,67493	1,55368	4,350707418	N/A	100505536	NR_040043	ISM1-AS1
A_21_P0006337	3,76323	1,64677	4,336286262	N/A	N/A	N/A	Inc-AGPAT2-2
A_22_P00003101	3,73291	1,61741	4,333401764	ENST00000521511	N/A	BX091769	N/A
A_21_P0011000	3,87737	1,76217	4,332500753	ENST00000444123	101929011	N/A	LOC101929011
A_21_P0005044	3,78028	1,66548	4,331299695	N/A	N/A	N/A	Inc-GPR63-3
A_33_P3301219	7,16644	5,0526	4,328418515	ENST00000613335	100132948	NR_027421	FAM27C
A_23_P259071	15,6361	13,5241	4,322901608	ENST00000395748	374	NM_001657	AREG
A_21_P0010152	3,76739	1,65591	4,321343757	ENST00000426418	N/A	N/A	N/A
A_21_P0009839	3,90226	1,79274	4,315476902	N/A	N/A	N/A	Inc-FAM182A-2
A_23_P35995	9,99506	7,88694	4,311291168	ENST00000448775	79827	NM_024769	CLMP
A_22_P00001373	3,77079	1,66325	4,309558268	ENST00000569737	101927738	XR_247236	LOC101927738
A_23_P67432	6,09421	3,98981	4,300188792	ENST00000291598	147949	NM_152478	ZNF583
A_21_P0004569	3,47389	1,37017	4,298162418	ENST00000607854	100505994	NR_103549	LUCAT1

A_33_P3288805	6,67064	4,56927	4,291166858	ENST00000394067	64837	NM_001134774	KLC2
A_22_P00002440	4,00639	1,90529	4,290363842	N/A	N/A	N/A	Inc-C14orf79-1
A_33_P3352562	11,2433	9,14253	4,289382583	ENST00000389395	126321	NM_174983	MFS12
A_23_P391396	8,47062	6,36995	4,289085276	ENST00000368648	253738	NM_001005463	EBF3
A_22_P00024519	3,72712	1,62675	4,288193478	ENST00000430050	440390	NR_126008	LOC440390
A_21_P0005628	10,9227	8,82405	4,283084084	ENST00000500112	100507056	NR_108049	CCAT1
A_33_P3214404	3,75819	1,66274	4,273594428	ENST00000456611	N/A	N/A	N/A
A_21_P0007262	3,74621	1,65117	4,272380086	N/A	N/A	N/A	Inc-CCDC67-1
A_33_P3326872	5,71654	3,62302	4,267881146	N/A	N/A	N/A	N/A
A_23_P91350	12,8128	10,7199	4,266047413	ENST00000379019	56261	NM_019593	GPCPD1
A_21_P0004299	3,74892	1,65711	4,262825502	N/A	N/A	N/A	Inc-TCF7-1
A_22_P00013905	3,75418	1,66292	4,261200691	ENST00000434440	N/A	N/A	N/A
A_21_P0014645	5,94581	3,85536	4,258808914	N/A	100009613	NR_103835	ANO1-AS2
A_24_P42693	9,14918	7,05942	4,256772534	ENST00000620614	57834	NM_021187	CYP4F11
A_22_P00004636	6,67153	4,58221	4,255474481	N/A	101927571	NR_110782	LOC101927571
A_33_P3323298	12,2355	10,1467	4,253940929	ENST00000371222	3725	NM_002228	JUN
A_23_P35916	8,91864	6,83024	4,25276165	ENST00000527181	472	NM_000051	ATM
A_33_P3330944	3,59628	1,50848	4,250993344	ENST00000507979	N/A	N/A	N/A
A_22_P00010619	4,52247	2,43481	4,250580845	ENST00000565428	N/A	BC043231	N/A
A_33_P3307536	4,66369	2,57779	4,245398557	ENST00000431488	642633	NR_108107	FAM230B
A_21_P0005948	3,74869	1,6638	4,242427484	N/A	N/A	N/A	Inc-ZNF572-1
A_21_P0009687	3,73713	1,65503	4,234231064	ENST00000549718	126536	NR_026828	LINC00661
A_22_P00009616	3,63756	1,55576	4,233350672	N/A	100507554	XR_425526	LOC100507554
A_21_P0006296	3,73635	1,65583	4,229596389	N/A	N/A	N/A	Inc-SPTLC1-1
A_19_P00317647	6,52871	4,4482	4,229567071	N/A	92249	NR_015353	LINC01278
A_33_P3265526	3,85557	1,77649	4,2253768	ENST00000403412	79612	NM_001110798	NAA16
A_33_P3219572	10,717	8,63832	4,224205439	N/A	N/A	N/A	N/A
A_33_P3286151	3,56514	1,4865	4,224088321	N/A	100132891	NR_033651	LOC100132891
A_33_P3247559	3,73934	1,66637	4,207519623	ENST00000370017	163479	NM_001144937	FNDC7
A_33_P3298099	7,02657	4,95458	4,204662492	N/A	102725453	XM_006710128	LOC102725453
A_33_P3333627	4,06879	1,99833	4,200205747	ENST00000406205	221692	NM_030948	PHACTR1
A_33_P3301286	12,0107	9,94093	4,198197388	ENST00000393094	8065	NM_003478	CUL5
A_23_P50368	9,72572	7,65805	4,1920909	ENST00000610577	126014	NM_206818	OSCAR

A_22_P00018205	5,2634	3,1961	4,191015915	N/A	N/A	AK094134	Inc-ZNF643-1
A_22_P00011146	3,71326	1,64739	4,186863836	N/A	100132111	NR_024237	LOC100132111
A_33_P3336248	3,68383	1,61856	4,185122931	N/A	N/A	AK127397	N/A
A_33_P3395028	7,60613	5,54117	4,184223746	ENST00000465215	152225	NR_026934	LOC152225
A_22_P00007806	3,71867	1,65494	4,180657919	N/A	N/A	N/A	Inc-HOXB1-1
A_23_P384761	5,82594	3,76273	4,179151328	ENST00000335135	2626	NM_002052	GATA4
A_33_P3407424	14,7248	12,6622	4,177384674	ENST00000249014	11135	NM_152243	CDC42EP1
A_32_P200238	13,4909	11,4305	4,171019335	ENST00000589333	652995	NR_015379	UCA1
A_21_P0008649	3,84611	1,78657	4,168533704	N/A	N/A	N/A	Inc-RPLP1-1
A_23_P371876	8,35344	6,29703	4,159499662	ENST00000417449	91801	NM_138775	ALKBH8
A_33_P3419190	13,9818	11,9255	4,159182528	ENST00000395748	374	NM_001657	AREG
A_21_P0013747	3,55763	1,50307	4,154169262	N/A	N/A	N/A	XLOC_I2_015438
A_21_P0012855	3,71741	1,66432	4,149938625	ENST00000432677	101926975	NR_110558	LOC101926975
A_23_P156826	7,56252	5,50946	4,14985233	ENST00000514824	84830	NM_032744	ADTRP
A_22_P00021288	9,77943	7,72961	4,140543062	ENST00000430494	N/A	N/A	N/A
A_33_P3410484	7,60079	5,55201	4,137559332	ENST00000372121	64849	NM_001193339	SLC13A3
A_21_P0010665	3,70798	1,65981	4,13581026	N/A	N/A	N/A	XLOC_I2_001238
A_23_P202988	14,0016	11,9538	4,134749707	ENST00000534152	60496	NM_015423	AASDHPPT
A_23_P86731	10,8955	8,84987	4,128535184	ENST00000426961	8187	NM_005674	ZNF239
A_22_P00020778	3,50779	1,46506	4,12024464	N/A	N/A	BC040634	Inc-DPH1-1
A_33_P3281695	3,69965	1,65694	4,120187521	ENST00000391827	114548	NM_001243133	NLRP3
A_22_P00004999	8,81794	6,77545	4,119559272	N/A	84259	NM_032299	DCUN1D5
A_33_P3377090	3,64491	1,60326	4,117161383	ENST00000511478	N/A	N/A	N/A
A_33_P3223522	3,42825	1,38711	4,115706203	N/A	N/A	XM_005276270	Inc-SLC25A48-2
A_23_P166306	9,24727	7,20683	4,113709734	ENST00000617706	875	NM_000071	CBS
A_33_P3262124	5,72534	3,68492	4,113652706	ENST00000612971	64386	NM_022468	MMP25
A_33_P3214670	3,91426	1,87458	4,111543236	ENST00000290573	3099	NM_000189	HK2
A_23_P418234	7,98049	5,94197	4,108238675	ENST00000568954	23035	NM_015020	PHLPP2
A_33_P3405936	3,85672	1,81884	4,106416607	ENST00000439373	149281	NM_001136107	METTL11B
A_22_P00015052	13,284	11,2466	4,105050585	ENST00000584686	285958	NR_003697	SNHG15
A_22_P00024608	3,67689	1,63996	4,103713463	ENST00000556763	N/A	N/A	N/A
A_22_P00018594	4,92422	2,88769	4,10257583	ENST00000473756	N/A	N/A	N/A
A_21_P0008909	3,47975	1,44378	4,100983673	N/A	N/A	N/A	Inc-CLEC19A.1-2

A_33_P3237835	3,70713	1,67172	4,099392134	N/A	N/A	N/A	N/A
A_21_P0010866	4,13847	2,10325	4,098852288	ENST00000361085	7587	N/A	ZNF37A
A_22_P00018159	3,85925	1,82421	4,098340921	ENST00000591531	728485	NM_001294306	LOC728485
A_21_P0011779	7,48876	5,45387	4,09791483	ENST00000590657	100506930	XR_424981	LINC00665
A_33_P3364180	3,58674	1,55503	4,088892121	ENST00000285046	152273	NM_152536	FGD5
A_33_P3328543	3,64468	1,6145	4,084558087	N/A	N/A	N/A	N/A
A_22_P00018194	3,54556	1,51572	4,083595592	N/A	N/A	N/A	Inc-ZNF613-2
A_23_P136671	5,88209	3,85247	4,082972923	ENST00000622664	7364	NM_001074	UGT2B7
A_23_P165783	7,62255	5,59314	4,082378645	ENST00000478712	79083	NM_024101	MLPH
A_23_P359897	11,2854	9,25674	4,080256929	ENST00000472616	80853	NM_030647	KDM7A
A_33_P3356413	3,59203	1,56445	4,077203596	N/A	N/A	N/A	N/A
A_23_P4416	4,05729	2,03316	4,067465192	ENST00000395824	57336	NM_020653	ZNF287
A_23_P201181	3,59227	1,57062	4,060479206	ENST00000484147	26191	NM_012411	PTPN22
A_22_P00010130	3,94231	1,92158	4,057890682	N/A	N/A	BC039378	Inc-MRPL3-2
A_23_P401361	8,31735	6,29726	4,056090943	ENST00000542749	57605	NM_020845	PITPNM2
A_33_P3349506	3,67519	1,6558	4,054123393	ENST00000520314	728715	N/A	LOC728715
A_33_P3406886	3,48557	1,4678	4,049573579	ENST00000602935	388815	NR_111004	MIR99AHG
A_22_P00003311	3,98235	1,96459	4,04954551	N/A	101927604	NR_110681	LOC101927604
A_23_P79518	14,7034	12,6866	4,046851752	ENST00000263341	3553	NM_000576	IL1B
A_32_P180265	8,41847	6,40343	4,04191785	N/A	N/A	N/A	N/A
A_21_P0013277	3,51695	1,50542	4,032096033	N/A	N/A	N/A	XLOC_I2_013646
A_22_P00010275	4,38054	2,36964	4,03033567	N/A	N/A	N/A	Inc-MTMR9-1
A_33_P3261408	9,72921	7,71876	4,029078739	N/A	259236	NM_147196	TMIE
A_23_P67980	9,23887	7,22852	4,028799475	ENST00000309446	8609	NM_003709	KLF7
A_22_P00006642	3,64067	1,63048	4,028352691	ENST00000552303	N/A	BI758808	N/A
A_19_P00316371	3,70455	1,69454	4,027850119	N/A	100506178	NR_038393	LOC100506178
A_21_P0001165	3,70079	1,69089	4,027543023	N/A	100873974	N/A	KCNC4-AS1
A_33_P3391126	12,8897	10,8807	4,025031294	ENST00000359874	11005	NM_001127698	SPINK5
A_21_P0014075	6,67326	4,66553	4,02148963	N/A	339400	XR_108352	FLG-AS1
A_33_P3263106	3,6525	1,64604	4,017951083	ENST00000489000	196792	N/A	FAM24B
A_22_P00016429	6,69999	4,69359	4,017783985	ENST00000557544	100750246	NR_047116	HIF1A-AS1
A_22_P00008734	10,885	8,87974	4,014610435	ENST00000456953	388796	NR_015366	SNHG17
A_23_P110569	5,39463	3,39229	4,006493122	ENST00000282369	55521	NM_018700	TRIM36

A_24_P376120	3,62774	1,62557	4,006021045	ENST00000373675	84665	NM_032578	MYPN
A_23_P66881	3,53674	1,53465	4,00579891	ENST00000584234	8787	NM_003835	RGS9
A_23_P356494	14,3476	12,3462	4,003883508	ENST00000359874	11005	NM_006846	SPINK5
A_23_P96291	11,0751	9,07415	4,002634827	ENST00000356661	4100	NM_004988	MAGEA1
A_23_P318348	3,66854	1,66971	3,996757386	N/A	255193	NR_033400	CSNK1G2-AS1
A_22_P00008354	3,65542	1,65695	3,995760188	ENST00000608417	101929093	NR_110793	LINC01350
A_33_P3420043	3,65997	1,66289	3,991912228	ENST00000409664	80034	NM_001172173	CSRNP3
A_22_P00001149	5,59289	3,59645	3,990141752	ENST00000547851	100233209	AK092995	PCED1B-AS1
A_24_P140608	12,8986	10,9052	3,981742708	ENST00000230990	1839	NM_001945	HBEGF
A_22_P00024463	4,08822	2,0957	3,979314707	N/A	N/A	N/A	Inc-ARHGAP25-1
A_21_P0002413	3,43918	1,44715	3,977963393	ENST00000421581	N/A	N/A	N/A
A_22_P00010157	6,59327	4,60233	3,974959056	N/A	N/A	N/A	Inc-MRPL48-1
A_33_P3353051	15,7337	13,743	3,974297855	ENST00000375639	50854	NM_001287483	C6orf48
A_23_P303286	4,7561	2,7677	3,967966924	ENST00000316073	126638	NM_001122965	RPTN
A_33_P3230578	3,70129	1,71432	3,964035822	N/A	N/A	N/A	N/A
A_21_P0000023	6,40423	4,41753	3,963294024	N/A	55781	NM_001159749	RIOK2
A_23_P98121	3,51733	1,53108	3,962058001	ENST00000476166	53828	NM_173160	FXD4
A_22_P00005119	7,08175	5,09837	3,954183985	N/A	N/A	N/A	Inc-DHRS9-1
A_21_P0013331	3,65224	1,66953	3,952348054	N/A	N/A	N/A	XLOC_I2_013886
A_33_P3237150	9,82774	7,84554	3,950951126	ENST00000378827	650	NM_001200	BMP2
A_33_P3851174	3,55242	1,57025	3,950868969	ENST00000569446	83482	NM_031309	SCRT1
A_21_P0013212	5,51201	3,53029	3,949636821	N/A	N/A	N/A	XLOC_I2_013439
A_21_P0004426	3,63162	1,65159	3,945012851	N/A	N/A	N/A	Inc-ST8SIA4-1
A_21_P0003027	3,78226	1,80365	3,941131808	N/A	644662	XR_171034	LOC644662
A_33_P3403773	10,4396	8,46161	3,939438465	ENST00000316950	148266	NM_152484	ZNF569
A_33_P3340782	11,2378	9,26189	3,933762888	ENST00000398454	11005	NM_001127699	SPINK5
A_33_P3304242	3,72373	1,74832	3,932399785	ENST00000442556	27019	NM_001281428	DNAI1
A_21_P0004781	3,37935	1,40481	3,930029114	ENST00000454788	645434	NR_033919	LOC645434
A_23_P157316	3,87331	1,89881	3,929920152	ENST00000409607	135927	NM_178829	C7orf34
A_23_P147805	14,0722	12,0983	3,928286084	ENST00000457596	7378	NM_001287428	UPP1
A_33_P3348569	3,62561	1,65251	3,926108383	ENST00000575017	283189	NM_001005284	OR9G4
A_22_P00012993	3,62162	1,6487	3,925618567	ENST00000444848	339666	NR_038918	LOC339666
A_24_P940115	8,51467	6,54256	3,92341515	ENST00000276297	10395	NM_182643	DLC1

A_23_P311585	3,61442	1,64252	3,922844096	ENST00000610858	81870	NM_030975	KRTAP9-9
A_21_P0002852	7,04267	5,07337	3,915780781	N/A	101928931	NR_110702	SEMA3B-AS1
A_33_P6803725	12,3435	10,3752	3,913067509	ENST00000539303	N/A	AK095849	N/A
A_24_P326491	3,85754	1,89032	3,910139287	ENST00000375790	283078	NM_173576	MKX
A_22_P00025794	3,82282	1,8575	3,904993102	ENST00000508199	N/A	N/A	N/A
A_33_P3346771	3,63217	1,66686	3,904966035	ENST00000466992	221264	AK124171	AK9
A_23_P380318	8,88673	6,92216	3,902963579	ENST00000545030	1961	NM_001965	EGR4
A_22_P00016018	4,66949	2,70507	3,9025578	N/A	N/A	N/A	Inc-TFEC-2
A_21_P0001194	3,58784	1,6235	3,902341403	ENST00000451439	284688	NR_026957	LINC01142
A_23_P339098	14,2259	12,2617	3,901962736	ENST00000525071	54733	NM_017515	SLC35F2
A_21_P0007616	3,6043	1,64055	3,90074584	N/A	N/A	N/A	Inc-RP11-552114.1.1-1
A_24_P320665	4,43565	2,47467	3,893263524	ENST00000432176	84668	NM_032581	FAM126A
A_33_P3216621	4,17681	2,21604	3,892696858	N/A	N/A	N/A	N/A
A_23_P303671	6,43607	4,4755	3,892157253	ENST00000344604	1842	NM_001393	ECM2
A_33_P3349496	4,76659	2,80632	3,891347986	N/A	51134	XR_429106	CEP83
A_23_P148088	4,17654	2,21659	3,890484953	ENST00000492082	2266	NM_000509	FGG
A_23_P67414	4,13769	2,18105	3,881569179	ENST00000221538	81492	NM_030785	RSPH6A
A_22_P00014004	3,61107	1,65492	3,880251058	ENST00000568143	N/A	BC043169	N/A
A_23_P134835	3,41253	1,45641	3,880170371	ENST00000454498	55790	NM_018371	CSGALNACT1
A_23_P351467	3,9441	1,9886	3,878503222	ENST00000471416	8418	NR_002174	CMAHP
A_24_P911464	3,60533	1,65081	3,87586951	ENST00000409985	5378	BC008410	PMS1
A_21_P0002540	3,60774	1,65478	3,87168076	N/A	N/A	N/A	Inc-TNP1-1
A_21_P0012978	4,92671	2,97397	3,871090404	ENST00000505339	N/A	N/A	N/A
A_33_P3299972	3,60156	1,64933	3,869722195	N/A	N/A	N/A	N/A
A_21_P0005140	3,7594	1,80933	3,86393279	N/A	N/A	N/A	Inc-ULBP2-1
A_21_P0005734	3,59561	1,6465	3,861362502	N/A	N/A	N/A	Inc-RIPK2-1
A_23_P435636	4,54573	2,59666	3,861255444	ENST00000317060	199699	NM_152654	DAND5
A_22_P00003736	4,17548	2,22657	3,860827241	ENST00000562656	N/A	N/A	N/A
A_23_P17065	10,2797	8,33181	3,858098562	ENST00000473642	6364	NM_004591	CCL20
A_23_P369343	13,6462	11,6991	3,855986498	ENST00000599166	11202	NM_144505	KLK8
A_23_P331670	15,6692	13,7225	3,85491754	ENST00000216962	5834	NM_002862	PYGB
A_22_P00009022	4,92698	2,98177	3,850938278	N/A	N/A	BC014333	Inc-LCE5A-2
A_32_P79434	5,39115	3,44613	3,85043115	ENST00000389418	5799	NM_002847	PTPRN2

A_23_P17512	14,8312	12,8862	3,850377772	ENST00000377452	92675	NM_080820	DTD1
A_33_P3648417	3,59022	1,64594	3,848456659	N/A	677834	BE972465	SNORA55
A_22_P00011562	7,70129	5,75845	3,844617308	N/A	10824	NR_125391	DIAPH2-AS1
A_23_P309396	6,87278	4,93022	3,843871213	ENST00000382483	94137	NM_178857	RP1L1
A_22_P00016569	3,96725	2,02658	3,838838853	N/A	N/A	DA380299	Inc-TNFRSF17-2
A_23_P21134	12,8942	10,9549	3,835195177	ENST00000618206	1649	NM_004083	DDIT3
A_23_P154849	3,41135	1,47318	3,832192413	ENST00000426947	116448	NM_138983	OLIG1
A_22_P00010451	3,94999	2,0136	3,827467162	ENST00000563681	101929222	NR_104190	DISC1FP1
A_21_P0009206	3,59253	1,65631	3,827016179	ENST00000574471	101929552	XR_243527	LOC101929552
A_21_P0014226	5,72155	3,78568	3,826087851	N/A	101929467	NR_125775	LURAP1L-AS1
A_23_P53176	11,2292	9,29454	3,822880226	ENST00000393679	2348	NM_016725	FOLR1
A_33_P3770642	3,59406	1,65957	3,822429783	ENST00000556159	503519	NR_038851	LINC00929
A_23_P150316	8,45121	6,51673	3,822403288	ENST00000571244	4321	NM_002426	MMP12
A_33_P3296230	6,10625	4,17178	3,822376793	N/A	N/A	N/A	Inc-KLHDC5-1
A_21_P0005293	10,3534	8,41908	3,821979394	ENST00000440034	N/A	N/A	N/A
A_24_P68908	12,376	10,4427	3,819278171	ENST00000423298	344887	N/A	LOC344887
A_33_P3385909	3,58347	1,65047	3,818484057	ENST00000291535	53347	NM_001243467	UBASH3A
A_22_P00001817	4,24284	2,31027	3,817346114	N/A	N/A	AI079571	Inc-ATP6V1D-2
A_33_P3209960	7,61329	5,68127	3,815891101	ENST00000441258	10235	NM_153819	RASGRP2
A_22_P00015605	4,46899	2,53774	3,813855015	N/A	101927620	NR_110062	LOC101927620
A_22_P00007120	3,56976	1,63895	3,812692024	N/A	N/A	BC073826	Inc-GMDS-2
A_22_P00017599	11,7395	9,80984	3,809654065	ENST00000538266	23642	NR_003098	SNHG1
A_22_P00024421	3,58809	1,65844	3,809627659	N/A	N/A	N/A	Inc-NDEL1-1
A_21_P0010989	5,80971	3,88064	3,808096399	N/A	N/A	N/A	XLOC_I2_002433
A_33_P3358277	3,57658	1,64868	3,805009353	ENST00000366620	3775	AK090902	KCNK1
A_23_P370588	4,94999	3,02226	3,804561016	ENST00000239144	3218	NM_024016	HOXB8
A_33_P3264404	4,51558	2,58879	3,80208293	N/A	100132593	AK098270	LOC100132593
A_23_P308042	3,34341	1,41721	3,80052836	ENST00000296847	154386	NM_152554	C6orf195
A_23_P141555	3,73564	1,81003	3,798974426	ENST00000177694	30009	NM_013351	TBX21
A_33_P3351440	3,56024	1,63528	3,7972632	N/A	N/A	N/A	N/A
A_22_P00013971	4,01903	2,09481	3,795315973	N/A	N/A	N/A	Inc-RTN2-1
A_33_P3421318	3,41838	1,49489	3,793396039	N/A	644192	NR_125738	NR2F2-AS1
A_23_P39931	7,28807	5,36545	3,791109166	ENST00000413539	8291	NM_003494	DYSF

A_22_P00023507	3,5841	1,66156	3,790898948	ENST00000585048	N/A	N/A	N/A
A_23_P205867	7,29998	5,37777	3,790031923	ENST00000617575	10002	NM_014249	NR2E3
A_21_P0001959	9,65476	7,73282	3,789322686	ENST00000430494	N/A	N/A	N/A
A_21_P0011563	3,40694	1,48709	3,783837153	N/A	N/A	N/A	XLOC_I2_005933
A_22_P00015789	3,57704	1,65821	3,781162887	N/A	N/A	AK054726	Inc-TARBP1-4
A_33_P3333054	10,6435	8,72545	3,779119136	ENST00000533171	55638	NM_001099744	SYBU
A_23_P398566	6,94707	5,0293	3,778385751	ENST00000618101	8013	NM_173200	NR4A3
A_24_P393571	10,3079	8,39017	3,778280994	ENST00000545168	9615	NM_004293	GDA
A_22_P00006246	3,52962	1,61306	3,775218117	N/A	N/A	N/A	Inc-FAM5B-2
A_21_P0007223	9,19878	7,28224	3,775165782	ENST00000529069	101927056	NR_125395	LOC101927056
A_33_P3233378	8,64375	6,72828	3,772366902	N/A	101060157	XM_006709929	LOC101060157
A_21_P0010397	4,10169	2,18641	3,771870122	N/A	N/A	N/A	Inc-RGL4-4
A_22_P00022108	3,54862	1,63345	3,771582542	N/A	100874070	NR_046547	USP12-AS1
A_24_P109111	3,43801	1,52306	3,771007448	ENST00000361902	257202	NM_182701	GPX6
A_33_P3423445	3,84586	1,93095	3,770902895	N/A	100129543	XM_006722596	ZNF730
A_33_P3306898	6,176	4,26262	3,766905915	ENST00000321505	25758	NM_012194	KIAA1549L
A_23_P122077	3,35704	1,44543	3,762287243	ENST00000322348	51301	NM_016591	GCNT4
A_33_P3360363	5,32468	3,4145	3,75855991	ENST00000622443	2626	NM_002052	GATA4
A_22_P00008012	7,13955	5,22967	3,757778421	N/A	101928931	NR_110702	SEMA3B-AS1
A_22_P00023568	4,33075	2,422	3,754836269	N/A	N/A	N/A	Inc-NUP88-1
A_22_P00010301	3,3954	1,48785	3,751714383	N/A	N/A	N/A	Inc-MTUS2-1
A_33_P3267814	7,06623	5,16174	3,743765316	N/A	57553	NM_001136004	MICAL3
A_22_P00020001	4,38138	2,4787	3,739071346	N/A	N/A	BE893425	Inc-OTUD1-1
A_23_P167599	5,72235	3,82059	3,736687718	ENST00000306320	54463	NM_001034850	FAM134B
A_23_P141459	3,45861	1,56006	3,728382821	ENST00000357424	2695	NM_004123	GIP
A_33_P3234124	7,36474	5,46655	3,727452583	ENST00000481917	151176	NM_001291832	FAM132B
A_33_P3259929	3,36289	1,46587	3,724430911	ENST00000623529	404216	NR_103717	LINC01561
A_22_P00015538	3,93325	2,03632	3,724198576	N/A	N/A	N/A	Inc-STK32B-1
A_23_P393727	8,02434	6,12984	3,71793101	ENST00000412873	8828	NM_201266	NRP2
A_21_P0012499	3,55091	1,65688	3,716719983	N/A	N/A	N/A	XLOC_I2_009867
A_21_P0005055	3,4888	1,59521	3,715586613	N/A	N/A	N/A	Inc-SERINC1-2
A_23_P47168	4,81022	2,91664	3,715560859	ENST00000246841	23769	NM_013280	FLRT1
A_33_P3312187	4,96164	3,06806	3,715560859	N/A	N/A	N/A	N/A



A_21_P0010459	8,46229	6,56949	3,713552566	ENST00000609178	N/A	N/A	N/A
A_32_P204980	3,34356	1,45085	3,71332091	ENST00000321535	162517	NM_153230	FBXO39
A_33_P3235940	8,1405	6,24916	3,709796371	ENST00000376853	5653	NM_001012964	KLK6
A_32_P125771	3,55184	1,66625	3,695040046	ENST00000517769	26166	NM_015668	RGS22
A_23_P206077	9,0835	7,20155	3,685729005	ENST00000557927	64782	NM_022767	AEN
A_22_P00010065	7,67736	5,79641	3,683175137	N/A	101929467	NR_125775	LURAP1L-AS1
A_23_P47967	4,38489	2,50528	3,679755729	ENST00000261731	64211	NM_022363	LHX5
A_21_P0006955	3,24927	1,36985	3,679271145	N/A	N/A	N/A	Inc-KLF6-3
A_33_P6473174	4,37936	2,50041	3,67807271	ENST00000565584	101929164	NR_110746	LOC101929164
A_23_P218626	3,92324	2,04472	3,676976612	ENST00000405370	129807	NM_080741	NEU4
A_24_P416645	9,9292	8,05095	3,676288531	ENST00000595793	26085	NM_015596	KLK13
A_23_P137157	3,81842	1,94044	3,675600579	ENST00000442361	5973	NM_002910	RENBP
A_21_P0003941	4,13221	2,25465	3,674530687	ENST00000513626	100505994	N/A	LUCAT1
A_22_P00003558	3,9058	2,02941	3,671551916	N/A	641364	NR_038380	SLC7A11-AS1
A_21_P0007989	3,52307	1,64723	3,670152474	ENST00000415620	104355147	N/A	LINC00428
A_23_P133536	4,91442	3,04007	3,666363936	ENST00000513623	133690	NM_144647	CAPSL
A_23_P11697	4,32363	2,44983	3,664966471	ENST00000522796	127540	NM_145205	HMGB4
A_33_P3236846	4,18043	2,30694	3,664179044	ENST00000393018	2840	NM_001161415	GPR17
A_33_P3221783	5,0355	3,16269	3,662452376	N/A	85480	NM_033035	TSLP
A_21_P0013888	8,22423	6,35288	3,658747868	ENST00000400230	93492	NM_199254	TPTE2
A_22_P00002716	11,2401	9,37101	3,65302088	N/A	N/A	N/A	Inc-C20orf197-3
A_22_P00008921	3,48386	1,61621	3,649376503	ENST00000539034	100507066	NR_045382	CLIP1-AS1
A_33_P3377176	3,52188	1,655	3,647429265	N/A	N/A	N/A	N/A
A_22_P00016941	3,4575	1,59234	3,643083343	N/A	N/A	N/A	Inc-TSPO-1
A_23_P344194	3,5009	1,63743	3,638818265	ENST00000316554	387856	NM_001013635	CCDC184
A_24_P64329	9,71101	7,84835	3,636775827	ENST00000298630	282974	NM_173575	STK32C
A_21_P0007484	9,83181	7,96992	3,634835313	ENST00000547804	100287314	NR_040245	LINC00941
A_33_P3252068	7,57388	5,71432	3,628969672	ENST00000472616	80853	NM_030647	KDM7A
A_23_P501754	6,91539	5,05622	3,627988795	ENST00000579852	1440	NM_000759	CSF3
A_23_P39056	6,9675	5,10871	3,627033323	ENST00000597707	5650	NM_005046	KLK7
A_24_P140405	3,52342	1,66609	3,623364641	ENST00000286657	9508	NM_014243	ADAMTS3
A_22_P00015009	3,48917	1,63278	3,621004576	ENST00000568306	N/A	AF086421	N/A
A_33_P3229672	6,12227	4,26632	3,619900393	N/A	N/A	N/A	N/A

A_33_P3240693	6,00739	4,15202	3,618445394	ENST00000567745	79875	NM_001286429	THSD4
A_23_P91850	14,2308	12,3769	3,614760342	ENST00000475972	53833	NM_144717	IL2ORB
A_23_P25615	3,47814	1,62462	3,613808354	ENST00000379881	54937	NM_017826	SOHLH2
A_22_P00020004	4,39469	2,54211	3,611454514	N/A	N/A	DB042405	Inc-ATG16L2-4
A_33_P3422298	5,09716	3,24472	3,611104074	ENST00000410078	N/A	S77011	N/A
A_23_P149121	3,54005	1,68802	3,610077979	ENST00000395201	9077	NM_004675	DIRAS3
A_21_P0005827	3,43188	1,58196	3,604801952	N/A	N/A	N/A	Inc-PLAT-2
A_23_P20443	3,57344	1,72359	3,60462705	ENST00000381569	11178	NM_021020	LZTS1
A_23_P71073	3,51567	1,66735	3,600806315	ENST00000242261	7291	NM_000474	TWIST1
A_21_P0007516	3,38051	1,53228	3,600581692	N/A	N/A	N/A	Inc-CD9-3
A_22_P00018411	3,80111	1,95294	3,600431951	ENST00000572790	N/A	AI753316	N/A
A_24_P11315	3,50566	1,65754	3,600307172	ENST00000491700	56944	NM_020190	OLFML3
A_22_P00007207	5,76577	3,91841	3,598411059	ENST00000581816	406980	NR_029490	MIR19B1
A_22_P00007208	7,99097	6,14434	3,596590733	ENST00000581816	407048	NR_029508	MIR92A1
A_33_P3420633	4,04665	2,20007	3,596466086	ENST00000409413	146325	NM_145270	PRR35
A_21_P0005613	3,45907	1,61278	3,595743224	N/A	N/A	N/A	Inc-PTPRN2-1
A_21_P0009686	6,67523	4,83003	3,593027556	N/A	N/A	N/A	Inc-OR10H5-2
A_23_P23457	7,70681	5,86345	3,588447963	ENST00000441801	54751	NM_001024215	FBLIM1
A_23_P39454	8,49377	6,65051	3,588199239	ENST00000307635	80032	NM_024967	ZNF556
A_23_P99747	9,31877	7,477	3,584495299	ENST00000542671	8814	NM_004196	CDKL1
A_24_P245379	11,5677	9,72656	3,582930353	ENST00000457692	5055	NM_002575	SERPINB2
A_23_P159956	10,1565	8,31575	3,58196192	ENST00000262843	11043	NM_012216	MID2
A_21_P0009703	3,47641	1,63711	3,57836363	N/A	N/A	N/A	Inc-VSTM2B-4
A_21_P0005075	3,50118	1,66257	3,576652609	N/A	N/A	N/A	Inc-TMEM242-1
A_23_P39315	6,76409	4,92558	3,576404703	ENST00000402119	57834	NM_021187	CYP4F11
A_21_P0013953	3,68949	1,85201	3,57385227	ENST00000453952	N/A	XM_005268285	N/A
A_23_P351275	12,6726	10,836	3,571672994	ENST00000416681	7378	NM_001287426	UPP1
A_33_P3364854	3,95765	2,12154	3,570460109	ENST00000463646	55503	NM_018646	TRPV6
A_22_P00020193	3,60981	1,77398	3,569767218	ENST00000418660	N/A	N/A	N/A
A_23_P99741	9,27039	7,43524	3,56808504	ENST00000395834	8814	NM_004196	CDKL1
A_19_P00318107	5,17645	3,34247	3,565192559	N/A	N/A	N/A	XLOC_I2_015561
A_33_P3398156	3,42409	1,59074	3,563636041	ENST00000381813	192668	NM_001037160	CYS1
A_23_P2745	9,90844	8,07622	3,560845893	ENST00000356192	10804	NM_006783	GJB6

A_24_P33895	8,23685	6,40489	3,560204222	ENST00000366983	467	NM_001040619	ATF3
A_23_P13244	3,45734	1,62538	3,560204222	ENST00000303039	219477	NM_001005205	OR8J1
A_21_P0007829	10,0351	8,20787	3,548550899	ENST00000551972	100287314	NR_040245	LINC00941
A_22_P00009168	3,4727	1,64615	3,546878719	N/A	100505795	NR_038072	LOC100505795
A_21_P0001958	7,74812	5,92159	3,546829549	ENST00000440326	N/A	N/A	N/A
A_33_P3313899	6,54256	4,71692	3,544642181	N/A	728228	N/A	LINC01433
A_21_P0011965	3,30061	1,47594	3,542259732	ENST00000444030	N/A	N/A	N/A
A_22_P00020853	3,38083	1,55645	3,541547765	N/A	N/A	N/A	Inc-DBT-3
A_22_P00020393	3,96318	2,13907	3,540885027	N/A	N/A	N/A	Inc-C1orf31-4
A_23_P65618	14,1254	12,3016	3,540124259	ENST00000206765	7051	NM_000359	TGM1
A_22_P00018001	3,39058	1,56693	3,539756204	N/A	440757	NR_034167	LINC00851
A_22_P00006604	3,92108	2,09751	3,539559924	ENST00000561000	731223	NR_038421	LINC01220
A_21_P0005314	3,4752	1,65514	3,530958831	ENST00000436600	100507468	NR_108105	LOC100507468
A_23_P214727	3,2859	1,46613	3,530249134	ENST00000229955	81491	NM_030784	GPR63
A_21_P0000412	3,47686	1,65776	3,528610037	N/A	767593	NR_003208	SNORD114-15
A_22_P00019953	3,3334	1,51512	3,526605013	ENST00000597752	101928476	NR_125955	LOC101928476
A_19_P00322906	7,50344	5,68657	3,523160013	ENST00000391411	339263	NM_001113434	C17orf51
A_33_P3347147	5,87471	4,05854	3,52145098	ENST00000371460	8464	NM_181356	SUPT3H
A_33_P3374264	3,46242	1,64675	3,52023075	N/A	317648	NR_015453	NOP14-AS1
A_22_P00014874	3,44788	1,63274	3,518937767	ENST00000547795	N/A	AA442586	N/A
A_21_P0006819	3,45716	1,64378	3,514647495	N/A	N/A	N/A	Inc-AKR1E2-4
A_33_P3392466	3,98167	2,16838	3,514428247	N/A	N/A	AK130729	Inc-METTLL11A-3
A_33_P3226099	7,95501	6,14278	3,511847018	ENST00000331427	92736	NM_178160	OTOP2
A_21_P0008524	3,45062	1,64071	3,50620415	N/A	N/A	N/A	Inc-VRK1-5
A_22_P00000829	3,45802	1,65	3,501613861	ENST00000507011	101928656	N/A	LINC01099
A_23_P171336	9,65853	7,85058	3,501443966	ENST00000497850	56000	NM_022052	NXF3
A_23_P138194	10,64	8,83221	3,501055665	ENST00000413720	4688	NM_000433	NCF2
A_33_P3380642	4,74391	2,93655	3,500012319	N/A	80144	AK027833	FRAS1
A_23_P64913	3,44504	1,63933	3,496011668	ENST00000266395	5149	NM_006205	PDE6H
A_23_P31945	11,3444	9,53874	3,495890508	ENST00000456383	90865	NM_033439	IL33
A_23_P15348	13,2207	11,4159	3,493807206	ENST00000341712	23164	NM_015134	MPRIP
A_21_P0011098	3,61846	1,81375	3,493589257	N/A	N/A	N/A	XLOC_I2_003401
A_22_P00003124	3,40053	1,59795	3,488435116	ENST00000413066	N/A	N/A	N/A

A_21_P0012864	3,45082	1,64847	3,48787902	ENST00000506862	101928176	N/A	LINC01411
A_21_P0001491	3,44557	1,64407	3,485824654	N/A	N/A	N/A	Inc-PSMB2-1
A_22_P00006964	6,03908	4,23834	3,483988834	ENST00000427901	N/A	XR_250474	N/A
A_33_P3371089	8,7596	6,95935	3,482805725	ENST00000381007	54557	NM_019072	SGTB
A_32_P76720	6,6769	4,87747	3,480826728	ENST00000392876	51559	NM_001031701	NT5DC3
A_23_P161698	4,20175	2,40298	3,479234694	ENST00000299855	4314	NM_002422	MMP3
A_22_P00013438	3,45234	1,65372	3,478872969	ENST00000539009	N/A	N/A	N/A
A_21_P0001231	6,66235	4,86378	3,478752403	N/A	102723817	XR_425104	LOC102723817
A_21_P0005022	3,6358	1,83766	3,477715704	N/A	102723698	XR_426016	LOC102723698
A_21_P0011002	3,66716	1,8691	3,477522863	N/A	57476	N/A	GRAMD1B
A_23_P165360	11,2326	9,43481	3,476872107	ENST00000438264	51665	NM_001040445	ASB1
A_33_P3614348	3,34799	1,55047	3,476221472	N/A	728868	AK096660	LOC728868
A_22_P00021050	3,45286	1,65627	3,473981328	N/A	101410545	NR_102713	STPG2-AS1
A_21_P0006756	3,43995	1,6434	3,47388501	ENST00000447936	728218	NR_046091	LINC00864
A_22_P00023728	3,91894	2,12291	3,472633121	N/A	101927193	NR_110739	CHL1-AS1
A_21_P0008173	3,38268	1,58796	3,469481322	N/A	N/A	N/A	Inc-PCDH20-2
A_21_P0007578	3,44327	1,64899	3,468423345	N/A	N/A	N/A	Inc-YEATS4-1
A_24_P333697	8,2885	6,49462	3,467461827	ENST00000595793	26085	NM_015596	KLK13
A_21_P0005904	5,84173	4,04788	3,467389724	N/A	N/A	N/A	Inc-FAM84B-6
A_22_P00025853	4,08336	2,28983	3,466620717	N/A	N/A	DA240949	Inc-MOCS2-1
A_33_P3413353	3,96891	2,17801	3,460306904	ENST00000416620	N/A	N/A	N/A
A_19_P00319876	6,18005	4,3894	3,45970733	ENST00000560054	N/A	N/A	N/A
A_22_P00004635	7,91429	6,1245	3,457645591	N/A	101927571	NR_110782	LOC101927571
A_22_P00024605	3,92517	2,1355	3,457358004	N/A	N/A	DA613845	Inc-HRASLS-3
A_23_P361841	8,09867	6,31039	3,454028531	ENST00000357529	57494	NM_020734	RIMKLB
A_22_P00016431	4,74462	2,95663	3,453334298	N/A	340544	NR_038978	MORF4L2-AS1
A_23_P205789	10,8571	9,07059	3,449793484	ENST00000359031	2553	NM_002041	GABPB1
A_24_P68991	3,41712	1,63192	3,446662415	ENST00000295886	4825	NM_006168	NKX6-1
A_22_P00007182	6,50558	4,721	3,445181525	ENST00000423054	401647	NM_001010917	GOLGA7B
A_23_P9869	3,81894	2,03544	3,442603431	ENST00000582461	84735	NM_032649	CNDP1
A_33_P3214501	8,39868	6,61536	3,442173936	ENST00000557927	64782	NM_022767	AEN
A_21_P0012394	3,9603	2,17734	3,441315108	N/A	N/A	N/A	XLOC_I2_009886
A_21_P0011353	3,25134	1,46876	3,440408799	N/A	N/A	N/A	XLOC_I2_004844

A_24_P210569	3,24561	1,46477	3,436261905	ENST00000220478	29106	NM_013243	SCG3
A_24_P101304	5,46225	3,68266	3,4332859	ENST00000333987	374900	NM_198539	ZNF568
A_23_P77630	12,8013	11,0227	3,430930734	ENST00000564844	81631	NM_022818	MAP1LC3B
A_21_P0000524	3,49507	1,71735	3,428838609	N/A	285593	NR_027109	LOC285593
A_21_P0006980	3,22586	1,44847	3,428054391	N/A	N/A	N/A	Inc-MPP7-1
A_22_P00002406	3,39364	1,61745	3,425204201	N/A	N/A	CB121371	Inc-C14orf126-6
A_22_P00017754	8,56037	6,78595	3,421004496	N/A	N/A	N/A	Inc-YIF1A-6
A_21_P0001185	3,77028	1,99665	3,419131713	N/A	102724329	XR_425049	LOC102724329
A_32_P206050	4,52181	2,75079	3,412951706	ENST00000542120	23329	NM_015279	TBC1D30
A_22_P00012087	9,63931	7,86895	3,411390715	N/A	N/A	AK094351	Inc-PMM2-5
A_23_P122531	16,5933	14,8231	3,411012401	ENST00000375640	50854	NM_001040437	C6orf48
A_21_P0012456	8,76292	6,9937	3,408696141	ENST00000599350	101927056	NR_125395	LOC101927056
A_24_P506977	14,274	12,5054	3,407231564	ENST00000584327	285958	NR_003697	SNHG15
A_33_P3389728	3,21675	1,4487	3,40593287	ENST00000544748	2494	NM_205860	NR5A2
A_22_P00018160	4,63232	2,86464	3,405059481	N/A	N/A	XM_006723046	Inc-ZNF569-1
A_23_P151710	6,4621	4,69464	3,404540275	ENST00000245457	5732	NM_000956	PTGER2
A_24_P254278	9,5343	7,76712	3,403879582	ENST00000379333	9962	NM_203327	SLC23A2
A_22_P00005086	3,53756	1,77082	3,402841609	N/A	N/A	N/A	Inc-DFNA5-3
A_22_P00020297	3,40742	1,64106	3,401945432	N/A	101928279	N/A	LOC101928279
A_21_P0014078	7,35616	5,59059	3,400083083	N/A	N/A	CR933610	Inc-MTX1-1
A_33_P3405500	8,40859	6,64326	3,399517508	ENST00000382292	26278	NM_014363	SACS
A_22_P00007057	3,40534	1,6415	3,396008336	N/A	N/A	N/A	Inc-GLB1L2-1
A_23_P358709	9,37101	7,60874	3,39231467	ENST00000316418	57491	NM_020731	AHRR
A_22_P00008076	3,41374	1,65169	3,391797407	ENST00000414409	N/A	N/A	N/A
A_33_P3334428	3,46029	1,69832	3,391609331	N/A	N/A	N/A	N/A
A_23_P139725	3,16841	1,40873	3,386230076	N/A	N/A	U80760	N/A
A_23_P114414	9,6698	7,91039	3,385596404	ENST00000371628	79836	NM_001031855	LONRF3
A_23_P22134	5,00852	3,25044	3,382476709	ENST00000618086	646	NM_001717	BNC1
A_32_P104432	9,78428	8,02623	3,382406373	ENST00000417443	644596	NR_024493	LINC00087
A_24_P364296	6,59849	4,84044	3,382406373	ENST00000540889	2054	NM_001980	STX2
A_33_P3392192	13,5802	11,8233	3,379711266	ENST00000607314	N/A	AF176921	N/A
A_23_P69810	10,6874	8,931	3,37854015	ENST00000611707	84803	NM_032717	AGPAT9
A_21_P0009477	3,40291	1,64651	3,37854015	N/A	N/A	N/A	Inc-AC109315.1-1

A_24_P324520	5,75908	4,00514	3,372784168	ENST00000362018	4515	NM_001018025	MTCP1
A_21_P0003002	4,22333	2,47036	3,370517229	N/A	N/A	N/A	Inc-ST3GAL6-1
A_21_P0014244	3,40513	1,6522	3,37042378	ENST00000434902	100507059	NR_108054	LINC00703
A_21_P0010813	4,9994	3,24666	3,369979931	ENST00000450890	101929475	XR_242755	LOC101929475
A_23_P255896	5,55228	3,79997	3,368975647	ENST00000335459	129293	NM_001080824	TRABD2A
A_23_P79927	14,0215	12,2702	3,366617925	ENST00000469588	10528	NM_006392	NOP56
A_33_P3361067	3,67254	1,92237	3,363982033	ENST00000237612	9429	NM_004827	ABCG2
A_21_P0006555	3,66353	1,91348	3,363702236	N/A	N/A	N/A	Inc-ASMT-2
A_33_P3369446	3,37737	1,62733	3,363678921	N/A	N/A	AK123300	Inc-AC073343.1-1
A_24_P379750	12,8777	11,1286	3,361488001	ENST00000540449	4084	NM_002357	MXD1
A_21_P0014661	3,3476	1,59867	3,361091924	N/A	101928057	XR_250595	LOC101928057
A_23_P84189	7,75463	6,00681	3,358506917	ENST00000578527	26207	NM_181671	PITPNC1
A_24_P13230	12,7627	11,0163	3,355202869	ENST00000336083	5870	NM_002869	RAB6A
A_23_P337800	5,66939	3,92307	3,355016822	ENST00000333625	282618	NM_172140	IFNL1
A_24_P759584	6,05062	4,30452	3,354505246	ENST00000556120	64150	NR_002770	DIO3OS
A_33_P3293456	4,21096	2,46509	3,353970501	ENST00000526021	2626	NM_002052	GATA4
A_33_P3219138	3,82917	2,08379	3,352831545	N/A	N/A	N/A	N/A
A_24_P257416	9,90421	8,15989	3,350369003	ENST00000510048	2920	NM_002089	CXCL2
A_23_P105251	3,34319	1,59888	3,35034578	ENST00000546141	2735	NM_005269	GLI1
A_33_P3718734	3,72694	1,98325	3,348906274	N/A	729083	NR_122070	LOC729083
A_23_P363769	8,94564	7,20308	3,346284249	ENST00000423955	3892	NM_002284	KRT86
A_33_P3278590	3,51869	1,77719	3,343826517	ENST00000371422	158798	NM_001008535	AKAP14
A_33_P3314659	4,35177	2,61029	3,343780162	ENST00000282469	79925	NM_144722	SPEF2
A_33_P3252191	5,47781	3,73756	3,340930567	N/A	N/A	N/A	N/A
A_33_P3286536	10,406	8,66594	3,340490602	ENST00000358752	2526	NM_002033	FUT4
A_32_P225415	3,35562	1,61619	3,339032186	ENST00000324675	148109	NM_152481	FAM187B
A_21_P0001326	3,40472	1,66531	3,338985897	N/A	N/A	N/A	Inc-IFI44-2
A_21_P0013822	3,2229	1,48548	3,334383399	N/A	N/A	N/A	XLOC_I2_015766
A_21_P0005329	3,38345	1,64696	3,332234659	ENST00000432702	N/A	N/A	N/A
A_22_P00011440	3,31014	1,57508	3,328933382	N/A	101927862	NR_109894	CTB-178M22.2
A_22_P00014698	3,48214	1,74727	3,328494998	ENST00000577199	N/A	AL512742	N/A
A_22_P00019466	3,75358	2,01923	3,327295503	N/A	N/A	BG335904	Inc-SLC3A2-2
A_33_P3415808	3,31301	1,57912	3,326234771	ENST00000563993	102724467	NR_120309	LOC102724467

A_24_P376441	5,8372	4,10336	3,326119495	ENST00000366675	27097	NM_001025247	TAF5L
A_24_P346725	3,85951	2,12633	3,324598219	N/A	N/A	AK001094	N/A
A_21_P0006803	7,73505	6,00337	3,321143361	N/A	N/A	N/A	Inc-EBF3-3
A_33_P3318357	5,25551	3,52445	3,319716403	ENST00000393100	91801	NM_138775	ALKBH8
A_21_P0001736	3,3739	1,64326	3,318750101	N/A	N/A	N/A	Inc-VAV3-1
A_23_P99275	3,38006	1,64993	3,317577114	ENST00000229402	3820	NM_002258	KLRB1
A_22_P00004750	7,68584	5,95574	3,317508127	ENST00000449749	N/A	N/A	N/A
A_22_P00004346	4,19404	2,46404	3,317278183	N/A	N/A	N/A	Inc-COL1A1-3
A_33_P3255329	3,37753	1,64771	3,316864324	ENST00000377854	32	XR_429096	ACACB
A_33_P3361472	3,33078	1,60101	3,316749372	ENST00000488687	23198	AK124923	PSME4
A_23_P137143	14,7396	13,0112	3,313601243	ENST00000620277	1736	NM_001363	DKC1
A_21_P0009486	3,3714	1,64319	3,313164878	N/A	N/A	N/A	Inc-WDR7-3
A_21_P0013519	3,1613	1,43311	3,313118948	N/A	N/A	N/A	XLOC_I2_014565
A_22_P00001842	3,35501	1,62686	3,31302709	ENST00000507031	N/A	AK125489	N/A
A_33_P3225195	3,12271	1,39472	3,312659684	ENST00000399581	101060146	N/A	CHMP1B2P
A_21_P0013775	7,92322	6,19584	3,311259322	ENST00000431677	100131755	N/A	ARMCX4
A_22_P00009023	9,1677	7,44201	3,307382721	N/A	339400	NR_103778	FLG-AS1
A_23_P502060	3,95494	2,22931	3,307245174	ENST00000489786	363	NM_001652	AQP6
A_23_P203716	3,39724	1,67187	3,306649202	ENST00000294064	10825	NM_006656	NEU3
A_23_P384044	6,61635	4,89151	3,305434668	ENST00000272133	149111	NM_152495	CNIH3
A_33_P3216242	3,35089	1,62626	3,304953561	N/A	N/A	N/A	Inc-CHADL-3
A_33_P3375145	6,91046	5,18662	3,303144309	N/A	286343	NM_203403	LURAP1L
A_33_P3342633	8,02584	6,3045	3,297425353	ENST00000280056	79758	NM_001031719	DHRS12
A_21_P0014377	6,12559	4,40523	3,295186224	ENST00000590750	728485	NM_001294306	LOC728485
A_32_P186731	5,4222	3,70189	3,295072024	ENST00000262487	140862	NM_080826	ISM1
A_33_P3342126	8,70185	6,98284	3,2921042	ENST00000415738	56978	NM_020226	PRDM8
A_21_P0009502	4,80763	3,08938	3,290370403	N/A	N/A	N/A	Inc-RP11-17M16.1.1-7
A_23_P34915	12,6136	10,8962	3,28843237	ENST00000613954	467	NM_001040619	ATF3
A_33_P3361711	3,99221	2,27564	3,286541039	ENST00000445091	N/A	N/A	N/A
A_32_P185628	6,043	4,32947	3,279623038	N/A	N/A	N/A	N/A
A_21_P0003971	3,24666	1,53348	3,278827493	N/A	N/A	N/A	Inc-ROPN1L-1
A_22_P00005506	3,36185	1,64872	3,278713859	ENST00000552060	N/A	N/A	N/A
A_22_P00012027	3,17881	1,46627	3,277373281	N/A	N/A	H30713	Inc-PLEKHA3-3

A_24_P382287	4,39398	2,68238	3,275238577	ENST00000323011	1005	NM_004361	CDH7
A_23_P37088	3,8535	2,14275	3,273309456	ENST00000267502	145226	NM_152443	RDH12
A_21_P0013485	3,37309	1,66238	3,273218702	N/A	N/A	N/A	XLOC_I2_014217
A_21_P0005196	3,3982	1,68886	3,270111891	ENST00000417026	101927902	XR_242326	LOC101927902
A_22_P00024935	4,47312	2,76432	3,268888118	ENST00000432272	N/A	N/A	N/A
A_33_P3736195	8,81059	7,10303	3,266079708	N/A	399832	BX647230	DKFZp686M1136
A_21_P0010221	5,96902	4,26169	3,265559058	ENST00000622592	N/A	N/A	N/A
A_33_P3354256	7,11624	5,41053	3,261894225	ENST00000520771	9788	NM_001282971	MTSS1
A_19_P00320996	5,96542	4,25979	3,261713353	ENST00000418546	N/A	N/A	N/A
A_22_P00009544	3,68908	1,98386	3,260786537	N/A	N/A	N/A	Inc-MAP1LC3C-1
A_21_P0013631	3,9645	2,26137	3,256066128	N/A	N/A	N/A	XLOC_I2_015170
A_22_P00016281	6,20549	4,50346	3,253584448	N/A	N/A	N/A	Inc-TMEM123-1
A_23_P133408	6,11389	4,41188	3,253539344	ENST00000296871	1437	NM_000758	CSF2
A_33_P3424462	6,5437	4,84203	3,252772673	ENST00000483271	163882	NM_001139459	CNST
A_21_P0006429	3,65063	1,94937	3,251848398	N/A	N/A	N/A	Inc-ARL13A-1
A_21_P0012190	3,31128	1,61025	3,251330017	N/A	N/A	N/A	XLOC_I2_009160
A_21_P0006470	3,29982	1,59956	3,249595169	N/A	N/A	N/A	Inc-MAGEA12-1
A_21_P0003746	3,16861	1,46862	3,248987065	ENST00000509932	401134	NR_033976	LOC401134
A_24_P929388	3,34399	1,64451	3,247838735	ENST00000406027	92691	NM_138390	TMEM169
A_33_P3371564	9,48057	7,78161	3,246668306	ENST00000523992	286042	NR_024361	FAM86B3P
A_21_P0006168	3,3151	1,61778	3,242979716	N/A	N/A	N/A	Inc-C9orf170-2
A_33_P3324284	3,25701	1,56086	3,240350783	N/A	N/A	N/A	N/A
A_22_P00007408	3,20604	1,51016	3,239744409	N/A	N/A	N/A	Inc-GRM7-1
A_22_P00002075	3,77271	2,07716	3,239003439	ENST00000425900	N/A	N/A	N/A
A_23_P166248	10,6244	8,92901	3,238644242	ENST00000482533	1827	NM_004414	RCAN1
A_23_P408930	6,6265	4,93127	3,238285085	ENST00000529916	219445	NR_027688	OR7E5P
A_23_P157117	6,03302	4,33784	3,238172856	ENST00000409603	9586	NM_182898	CREB5
A_22_P00007665	3,29749	1,60242	3,237925968	ENST00000512833	N/A	N/A	N/A
A_21_P0006349	4,13683	2,44258	3,236086116	N/A	101927042	XR_242550	LOC101927042
A_33_P3390349	5,98477	4,29095	3,235121733	N/A	7410	AK124271	VAV2
A_33_P3385882	3,35415	1,66162	3,23223031	N/A	100130083	XR_247824	HBCBP
A_21_P0014916	3,10367	1,41117	3,232163099	N/A	N/A	AK303376	N/A
A_23_P143512	7,42239	5,73028	3,231289475	ENST00000291560	11077	NM_007031	HSF2BP



A_22_P00012389	3,3561	1,66507	3,22887144	N/A	N/A	N/A	Inc-PRKACB-4
A_22_P00003954	4,84123	3,15028	3,228692398	N/A	N/A	N/A	Inc-CHADL-2
A_24_P924816	3,16949	1,47962	3,226276307	ENST00000280871	114134	NM_052885	SLC2A13
A_22_P00016445	3,1281	1,43895	3,224666584	ENST00000554678	N/A	N/A	N/A
A_21_P0011523	3,14031	1,45193	3,222945963	N/A	N/A	N/A	XLOC_I2_005692
A_23_P159709	3,47602	1,78808	3,221963164	ENST00000518685	50943	NM_014009	FOXP3
A_21_P0012401	3,33059	1,64345	3,220177023	N/A	N/A	N/A	XLOC_I2_009889
A_22_P00024205	3,35224	1,66513	3,220110062	N/A	N/A	N/A	Inc-RASL11B-2
A_24_P390495	4,45956	2,77304	3,218793445	ENST00000006053	6376	AB209037	CX3CL1
A_33_P3336148	3,79262	2,10654	3,217811912	N/A	N/A	N/A	N/A
A_23_P211878	14,9367	13,2511	3,21674149	ENST00000419752	2317	NM_001457	FLNB
A_21_P0012223	4,13551	2,45039	3,215671424	ENST00000418954	N/A	N/A	N/A
A_23_P108492	5,37277	3,68782	3,215292527	ENST00000282276	92935	NM_138395	MARS2
A_22_P00022597	3,35758	1,67418	3,211839943	N/A	101928371	NR_110236	LOC101928371
A_23_P76529	11,3077	9,62454	3,21130568	ENST00000422257	3695	NM_000889	ITGB7
A_21_P0011557	3,43954	1,75772	3,208324349	N/A	N/A	N/A	XLOC_I2_005915
A_21_P0004027	3,32044	1,63877	3,20799079	ENST00000503691	N/A	N/A	N/A
A_33_P3252939	8,25162	6,56997	3,207946318	ENST00000274643	340156	NM_001012418	MYLK4
A_33_P3780286	3,24824	1,56896	3,202680762	N/A	N/A	N/A	Inc-DAOA-4
A_23_P138760	10,5467	8,86838	3,200550339	ENST00000312438	23529	NM_013246	CLCF1
A_23_P121851	10,2109	8,53354	3,198421333	ENST00000231173	56121	NM_018935	PCDHB15
A_21_P0003502	3,32567	1,65013	3,19438898	ENST00000509360	N/A	N/A	N/A
A_23_P51699	11,1694	9,49415	3,193746932	ENST00000368315	9181	NM_004723	ARHGEF2
A_23_P1280	5,40987	3,73475	3,193459159	ENST00000534259	51008	NM_001198799	ASCC1
A_33_P3262969	7,05265	5,37885	3,190538626	ENST00000461897	1288	BT007228	COL4A6
A_22_P00006558	4,28342	2,60971	3,190339596	ENST00000246841	23769	XM_005273861	FLRT1
A_19_P00318418	6,75826	5,08564	3,187930108	ENST00000481440	6916	NM_001166254	TBXAS1
A_33_P3402526	7,49452	5,82202	3,187664954	ENST00000538229	55454	NM_018590	CSGALNACT2
A_33_P3209962	6,09282	4,42271	3,182388571	ENST00000441258	10235	NM_153819	RASGRP2
A_24_P380022	9,10548	7,43559	3,181903318	ENST00000295822	56648	NM_020390	EIF5A2
A_32_P352358	6,14357	4,4739	3,181418139	ENST00000494376	650293	NM_001040071	LOC650293
A_21_P0009064	3,3166	1,64733	3,180536185	N/A	N/A	N/A	Inc-ADAMTS18-2
A_33_P3646051	3,33741	1,66828	3,180227558	N/A	N/A	AK094324	Inc-ZNF345-1

A_33_P3370202	3,05022	1,38154	3,179235749	ENST00000339051	344901	NM_198184	OSTN
A_33_P3343442	7,44014	5,77186	3,178354399	ENST00000382252	100131017	NM_001278559	ZNF316
A_33_P3327058	8,32196	6,65408	3,177473295	ENST00000313667	9181	NM_001162383	ARHGEF2
A_21_P0000612	3,33836	1,67065	3,177098899	ENST00000444850	338579	NR_033891	ANKRD30BP3
A_21_P0003614	3,30415	1,63651	3,176944749	N/A	N/A	N/A	Inc-POLR2B-5
A_33_P3274397	6,83589	5,16883	3,175667793	ENST00000615443	1121	NM_001145414	CHM
A_22_P00004925	4,0583	2,39273	3,172389691	N/A	N/A	N/A	Inc-DBN1-1
A_22_P00006390	3,29298	1,6287	3,169554335	N/A	100130238	NR_024563	LOC100130238
A_24_P147461	8,33473	6,67064	3,169136939	ENST00000481726	5271	NM_001031848	SERPINB8
A_22_P00021162	4,64359	2,97968	3,168741561	N/A	N/A	N/A	Inc-STOML3-1
A_23_P1602	11,8784	10,2148	3,168060749	ENST00000279249	10435	NM_006779	CDC42EP2
A_22_P00021042	3,41174	1,74999	3,164000878	N/A	N/A	XM_003846298	Inc-GABPA-4
A_21_P0006838	3,31238	1,65065	3,163957016	N/A	N/A	N/A	Inc-ARL5B-3
A_23_P118392	10,9699	9,30833	3,163606141	ENST00000225688	51655	NM_016084	RASD1
A_21_P0002274	3,11454	1,45339	3,16268528	N/A	N/A	N/A	Inc-INSIG2-1
A_24_P342096	10,0187	8,35804	3,161611282	ENST00000377542	100132948	NR_027421	FAM27C
A_22_P00019021	4,57734	2,91686	3,161216843	N/A	N/A	N/A	Inc-SETDB1-1
A_32_P386636	3,56936	1,90959	3,159661482	ENST00000515256	340069	NM_182761	FAM170A
A_21_P0001634	7,43256	5,77295	3,159311084	N/A	102723817	XR_425104	LOC102723817
A_22_P00023995	4,06652	2,40807	3,156771858	N/A	104355294	N/A	LINC01386
A_22_P00006058	8,64632	6,98887	3,154584509	ENST00000433425	644596	NR_024493	LINC00087
A_22_P00015811	3,12743	1,47181	3,150585583	ENST00000455132	N/A	N/A	N/A
A_21_P0003883	3,57803	1,92265	3,15006151	N/A	N/A	N/A	Inc-FAM53A-1
A_33_P3398822	5,48825	3,83454	3,146417248	ENST00000216268	9889	NM_014838	ZBED4
A_22_P00016064	6,82314	5,16954	3,146177355	ENST00000560052	55323	NM_001286679	LARP6
A_33_P3380597	3,35992	1,70648	3,145828452	ENST00000431684	253143	NM_173566	PRR14L
A_24_P785293	15,714	14,0614	3,143997347	ENST00000539975	23642	NR_003098	SNHG1
A_22_P00020086	3,9492	2,29717	3,142755418	N/A	N/A	AI566006	Inc-TOX4-1
A_33_P3708413	10,8646	9,21475	3,138010109	ENST00000540087	8076	NM_003480	MFAP5
A_24_P307964	3,02157	1,37195	3,137509875	ENST00000425225	402381	NM_001012415	SOHLH1
A_24_P751074	9,5632	7,91457	3,135357605	ENST00000392668	2113	NM_005238	ETS1
A_21_P0011744	9,57711	7,92872	3,134836065	ENST00000412740	100506930	NR_038279	LINC00665
A_21_P0013699	4,93973	3,29148	3,134531874	ENST00000613144	N/A	XR_246710	N/A

A_23_P351837	11,4619	9,81387	3,134053918	ENST00000460787	283212	NM_001039548	KLHL35
A_22_P00017392	5,32811	3,68325	3,127175095	ENST00000427794	149773	NR_034147	APCDD1L-AS1
A_21_P0011754	3,59147	1,94681	3,126741606	ENST00000446628	388550	N/A	CEACAM22P
A_24_P280868	11,0445	9,40029	3,125766477	ENST00000524893	653333	NM_001137610	FAM86B2
A_23_P83818	6,40617	4,76222	3,125203208	ENST00000618395	1289	NM_000093	COL5A1
A_24_P142503	3,22747	1,58432	3,123470707	ENST00000270570	55244	NM_018242	SLC47A1
A_23_P255389	3,92695	2,28416	3,122691396	ENST00000377175	26692	NM_030903	OR2W1
A_33_P3404685	3,38031	1,73902	3,119446356	ENST00000498002	N/A	N/A	N/A
A_23_P119040	7,24234	5,60137	3,118754517	ENST00000578955	80000	NM_001142966	GREB1L
A_21_P0008187	3,04789	1,40696	3,118668048	N/A	102725429	N/A	LOC102725429
A_21_P0007221	9,00534	7,36446	3,118559965	ENST00000529069	101927056	NR_125395	LOC101927056
A_19_P00322733	3,86243	2,2216	3,118451886	ENST00000416381	100287765	N/A	LINC00630
A_24_P188164	3,29336	1,65336	3,116658319	ENST00000452236	114821	NM_052923	ZBED9
A_21_P0007472	3,28769	1,64833	3,115276031	N/A	N/A	N/A	Inc-RP11-680F20.4.1-2
A_33_P3230526	8,6328	6,99533	3,111197542	ENST00000341712	23164	NM_015134	MPRIP
A_22_P00008488	3,56399	1,92723	3,109666791	ENST00000548427	100507377	NR_038300	LOC100507377
A_32_P327679	3,06603	1,4293	3,109602128	ENST00000244906	26070	NR_026882	DKFZP434K028
A_23_P35092	3,16653	1,52981	3,109580574	ENST00000270218	29949	NM_153758	IL19
A_23_P204947	14,121	12,485	3,108029075	ENST00000382844	2706	NM_004004	GJB2
A_22_P00018012	3,28808	1,65363	3,10469167	N/A	N/A	AA382715	Inc-ZNF18-2
A_22_P00015270	3,26235	1,628	3,104476476	ENST00000439928	221178	NM_001286792	SPATA13
A_33_P3219651	4,67921	3,04499	3,104196747	ENST00000297161	168667	NM_133468	BMPER
A_22_P00016105	5,32094	3,68681	3,104003104	ENST00000563709	10002	NM_014249	NR2E3
A_24_P141707	5,55078	3,9167	3,103895529	ENST00000266646	83729	NM_031479	INHBE
A_33_P3383724	7,23039	5,59747	3,101400842	ENST00000616332	391712	NM_001012414	TRIM61
A_33_P3369535	3,10667	1,47388	3,10112139	N/A	9223	NM_004742	MAGI1
A_21_P0008538	5,27517	3,64442	3,096739441	ENST00000553288	101927780	NR_110417	LOC101927780
A_24_P339944	8,37382	6,74462	3,093414158	ENST00000331163	5155	NM_002608	PDGFB
A_24_P335620	14,7859	13,1573	3,092127911	ENST00000261622	8140	NM_003486	SLC7A5
A_33_P3214520	3,92634	2,29794	3,091699281	ENST00000619044	169834	NM_001101338	ZNF883
A_24_P194748	7,17855	5,55105	3,08977118	ENST00000370249	10838	NM_001080485	ZNF275
A_23_P119478	6,91114	5,28488	3,087116655	ENST00000221847	10148	NM_005755	EBI3
A_21_P0013299	7,61594	5,98975	3,086966871	N/A	N/A	N/A	XLOC_l2_013808

A_21_P0014217	3,27179	1,64579	3,08656035	N/A	N/A	N/A	N/A
A_22_P00005620	3,24525	1,61957	3,085875805	N/A	100287814	NR_034037	LINC00582
A_22_P00005099	3,60734	1,98218	3,084763743	ENST00000445654	22941	N/A	SHANK2
A_33_P3265749	3,23337	1,60847	3,084207862	ENST00000351052	5733	NM_198717	PTGER3
A_33_P3260986	3,20739	1,58257	3,084036842	N/A	100134040	XR_252345	LOC100134040
A_22_P00018048	7,74952	6,12531	3,082733126	ENST00000438239	10838	NM_001080485	ZNF275
A_33_P3295154	5,49709	3,87331	3,081814444	N/A	N/A	AK023831	N/A
A_33_P3346444	3,22269	1,59907	3,081472679	ENST00000623574	83259	NM_032972	PCDH11Y
A_33_P3219895	13,1348	11,5116	3,080575726	ENST00000417856	64837	NM_001134774	KLC2
A_33_P3354021	9,83427	8,21211	3,078355822	N/A	644128	NR_003572	RPL23AP53
A_22_P00017665	3,09312	1,47102	3,078227799	N/A	N/A	N/A	Inc-WRNIP1-1
A_21_P0006490	3,8064	2,1852	3,0763081	N/A	N/A	N/A	Inc-ATP6AP2-6
A_33_P3383075	3,55162	1,93047	3,076201485	N/A	N/A	N/A	N/A
A_22_P00005503	6,73124	5,11013	3,076116196	N/A	N/A	N/A	Inc-DZIP1-3
A_33_P3229467	6,71869	5,09764	3,075988266	N/A	9263	NM_004760	STK17A
A_22_P00012489	4,21293	2,59264	3,074368287	ENST00000524047	101929191	NR_120604	LINC00001
A_23_P16915	4,48624	2,86873	3,06844984	ENST00000469098	25797	NM_012413	QPCT
A_21_P0012569	6,33073	4,7135	3,06785437	ENST00000422682	N/A	N/A	N/A
A_23_P420196	9,2282	7,61231	3,065006216	ENST00000332029	8651	NM_003745	SOCS1
A_33_P3234472	6,87661	5,26133	3,063710545	ENST00000371639	284751	NR_034124	LINC01270
A_24_P703830	7,63324	6,01877	3,06199091	ENST00000591727	342977	NM_001098622	NANOS3
A_23_P115202	10,8186	9,20492	3,060314665	ENST00000271835	49860	NM_016190	CRNN
A_22_P00012717	7,94195	6,32895	3,058872556	ENST00000531454	N/A	N/A	N/A
A_32_P54503	8,99521	7,38249	3,058278944	N/A	100134229	NR_024451	JHDM1D-AS1
A_24_P189739	6,96933	5,35672	3,05804577	ENST00000228862	80824	NM_030640	DUSP16
A_21_P0000459	3,98735	2,37506	3,057367549	N/A	100113378	NR_003684	SNORD119
A_24_P126406	3,05345	1,44242	3,054698516	ENST00000592192	8632	NM_173628	DNAH17
A_21_P0010559	3,25823	1,64727	3,054550305	N/A	N/A	N/A	XLOC_I2_000421
A_22_P00007205	6,24856	4,63909	3,051397226	ENST00000581816	407975	NR_027350	MIR17HG
A_33_P3578477	4,18576	2,57742	3,049008136	N/A	641467	NR_038381	TSC22D1-AS1
A_24_P298013	8,43596	6,82778	3,048670009	ENST00000496137	54676	NM_019096	GTPBP2
A_24_P194503	7,63973	6,03162	3,04852209	ENST00000373542	5255	NM_002637	PHKA1
A_22_P00012083	3,00086	1,39493	3,043919066	N/A	N/A	U15426	Inc-PMM2-1

A_33_P3229301	8,5986	6,99273	3,043792476	ENST00000598170	93429	NR_027003	DKFZp434J0226
A_23_P376704	3,25988	1,65441	3,042948674	ENST00000320477	1149	NM_001279	CIDEA
A_21_P0013217	3,11012	1,50526	3,041662327	N/A	N/A	N/A	XLOC_I2_013448
A_33_P3352906	4,25353	2,65051	3,037785492	N/A	359822	NR_002813	KCNIP4-IT1
A_24_P295010	10,869	9,26604	3,037659157	ENST00000380698	5272	NM_004155	SERPINB9
A_24_P102315	3,68865	2,08585	3,037322288	ENST00000279024	85449	NM_001029864	KIAA1755
A_22_P00025280	3,60911	2,00641	3,037111764	ENST00000556762	N/A	DA455367	N/A
A_21_P0002130	3,15285	1,55025	3,036901255	ENST00000422899	N/A	N/A	N/A
A_21_P0008363	3,93781	2,33524	3,036838105	N/A	N/A	N/A	Inc-FLRT2-2
A_22_P00006329	3,23667	1,6346	3,0357858	N/A	N/A	DB169144	Inc-FANCC-1
A_21_P0000201	15,1069	13,5056	3,034165962	ENST00000410061	84084	NM_032144	RAB6C
A_23_P257803	3,17344	1,57343	3,031454145	ENST00000255189	29958	NM_013391	DMGDH
A_23_P94319	11,3905	9,79142	3,029500618	ENST00000320248	9920	NM_014867	KBTBD11
A_33_P3258607	3,24276	1,644	3,028828728	ENST00000612217	100506422	NM_001004352	LOC100506422
A_21_P0007734	3,23775	1,63919	3,028408872	N/A	N/A	N/A	Inc-C12orf50-1
A_33_P3366124	11,8648	10,2666	3,027653279	ENST00000605526	102723508	N/A	KANTR
A_21_P0011972	6,54169	4,94501	3,024465072	N/A	N/A	N/A	XLOC_I2_008313
A_22_P00020597	4,81684	3,22043	3,023899097	N/A	101928942	NR_125908	LOC101928942
A_21_P0005813	5,58862	3,99232	3,023668545	N/A	N/A	N/A	Inc-DUSP4-4
A_33_P3411165	11,1506	9,55494	3,022327501	ENST00000409560	266740	NM_153488	MAGEA2B
A_22_P00005846	3,19039	1,5957	3,020296113	ENST00000537327	N/A	N/A	N/A
A_21_P0003835	3,11994	1,52567	3,019416967	ENST00000510956	101928851	NR_125907	LOC101928851
A_22_P00020350	3,14734	1,55329	3,018956564	N/A	N/A	N/A	Inc-PTGDR2-3
A_21_P0000875	3,04907	1,45615	3,016592873	ENST00000557399	100505967	NR_039992	LINC00645
A_23_P82823	10,5818	8,99121	3,011724908	ENST00000519088	54984	NM_017884	PINX1
A_21_P0004877	3,39704	1,80669	3,011223934	N/A	N/A	N/A	Inc-FTSJD2-1
A_33_P3356776	8,74863	7,15894	3,009846683	ENST00000596005	401647	NM_001010917	GOLGA7B
A_23_P145711	4,26888	2,67938	3,009450318	ENST00000488110	79783	NM_024728	SUGCT
A_21_P0011450	6,74904	5,15982	3,008866297	ENST00000494075	N/A	XR_424749	N/A
A_24_P115932	2,98124	1,39224	3,008407503	ENST00000332539	11251	NM_004778	PTGDR2
A_21_P0009098	3,53736	1,94866	3,007781987	N/A	N/A	N/A	Inc-RP11-327F22.5.1-3
A_21_P0001477	3,24594	1,65746	3,007323358	N/A	N/A	N/A	Inc-ID3-2
A_22_P00022574	3,37853	1,79069	3,005989563	ENST00000500076	645485	XR_242933	LOC645485

A_33_P3352223	3,59981	2,01198	3,005968727	ENST00000533402	1465	AK126507	CSRP1
A_23_P103765	3,24142	1,65612	3,000701892	ENST00000368115	2205	NM_002001	FCER1A
A_22_P00011561	7,50435	5,91926	3,000265139	N/A	N/A	L22650	Inc-PCDH19-1
A_33_P3331996	3,44707	1,86211	2,99999948	N/A	N/A	N/A	N/A
A_24_P186539	4,3778	2,79467	2,996191841	ENST00000601256	30835	NM_021155	CD209
A_23_P381746	4,32568	2,74335	2,99453086	ENST00000269197	80816	NM_030632	ASXL3
A_33_P3249414	3,56171	1,97961	2,994053498	N/A	25893	NM_015431	TRIM58
A_23_P212968	3,76423	2,18221	2,993887477	ENST00000620779	10720	NM_001073	UGT2B11
A_33_P3266255	4,30252	2,72125	2,992331478	ENST00000374466	55454	NM_018590	CSGALNACT2
A_32_P219279	9,17049	7,5893	2,992165553	ENST00000613079	114794	NM_052906	ELFN2
A_33_P3365441	3,24188	1,66073	2,992082594	N/A	N/A	N/A	N/A
A_33_P3418125	7,40855	5,8281	2,990631178	ENST00000266659	11010	NM_006851	GLIPR1
A_33_P3404116	3,10297	1,52318	2,989263346	N/A	N/A	N/A	N/A
A_33_P3252316	3,25384	1,67436	2,988621095	ENST00000556472	N/A	N/A	N/A
A_21_P0001563	3,46944	1,89188	2,984646356	N/A	N/A	N/A	Inc-AMY1B-2
A_33_P3390743	3,11551	1,53852	2,983467373	ENST00000494913	57642	AK098702	COL20A1
A_22_P00000098	5,09587	3,52057	2,97997453	ENST00000507692	724102	NR_003141	SNHG4
A_21_P0003359	8,05314	6,47906	2,977455611	ENST00000507388	N/A	N/A	N/A
A_23_P64019	11,6484	10,0745	2,977084147	ENST00000346299	8898	NM_201278	MTMR2
A_33_P3258452	6,74625	5,17318	2,975371887	N/A	57103	NM_020375	C12orf5
A_22_P00001667	6,05205	4,47918	2,974959442	ENST00000375114	22913	NM_016732	RALY
A_33_P3308481	7,81209	6,23923	2,974938821	N/A	57061	NR_002768	HYMAI
A_22_P00006974	3,24446	1,67207	2,973969806	ENST00000563613	N/A	N/A	N/A
A_23_P165668	6,97828	5,4063	2,973124752	ENST00000498768	80255	AK025657	SLC35F5
A_23_P128808	9,77108	8,19918	2,972959892	ENST00000551869	29933	NM_013345	GPR132
A_21_P0013823	5,09108	3,5202	2,970858722	ENST00000614414	101060146	NR_110646	CHMP1B2P
A_33_P3237542	3,0644	1,49373	2,970426313	ENST00000398534	57830	NM_021046	KRTAP5-8
A_22_P00022760	4,86625	3,29565	2,97028219	N/A	101927604	NR_110681	LOC101927604
A_22_P00013818	3,48635	1,91594	2,969891036	ENST00000565259	N/A	N/A	N/A
A_33_P3311543	4,01046	2,44111	2,967709751	N/A	N/A	AF130086	N/A
A_21_P0013840	2,94039	1,37133	2,967113264	N/A	100507404	NR_039991	TMLHE-AS1
A_33_P3357247	11,5859	10,0171	2,966578584	ENST00000312010	57602	NM_025090	USP36
A_33_P3413905	9,34741	7,77864	2,966516896	ENST00000395738	79924	NM_024866	ADM2

A_23_P210747	11,5507	9,98211	2,966146798	ENST00000466974	51605	NM_015939	TRMT6
A_21_P0012418	7,37763	5,80916	2,965900091	N/A	N/A	N/A	XLOC_I2_010029
A_33_P3308347	3,27863	1,71141	2,963331447	ENST00000257359	11095	NM_007037	ADAMTS8
A_22_P00008878	3,00547	1,43855	2,962715304	N/A	N/A	BX093681	Inc-KLHL25-4
A_24_P332218	3,67319	2,10646	2,962325146	ENST00000389740	344758	NM_001038705	GPR149
A_22_P00005597	3,98342	2,41681	2,962078757	N/A	N/A	N/A	Inc-EFR3A-3
A_23_P427760	9,38828	7,82184	2,961729741	ENST00000446230	143689	NM_152431	PIWIL4
A_33_P3628675	6,57931	5,0129	2,961668154	ENST00000448228	85002	NM_001083537	FAM86B1
A_23_P40295	3,42205	1,85615	2,960621374	ENST00000246070	24141	NM_012261	LAMP5
A_33_P3407103	6,83263	5,26735	2,959349317	ENST00000370339	54915	NM_017798	YTHDF1
A_33_P3404879	3,1657	1,60047	2,959246755	ENST00000464775	23266	NM_001297706	LPHN2
A_22_P00006879	6,466	4,90109	2,958590446	N/A	100505483	NR_038926	PRKAG2-AS1
A_23_P28598	6,39961	4,83484	2,958303357	ENST00000234198	1746	NM_004405	DLX2
A_21_P0006636	3,05615	1,49139	2,958282851	ENST00000439575	N/A	N/A	N/A
A_33_P3629678	10,0752	8,51113	2,956868327	ENST00000618395	1289	NM_000093	COL5A1
A_22_P00001271	5,21833	3,65442	2,956540418	N/A	N/A	N/A	Inc-ANKRD54-1
A_33_P3373384	5,51064	3,94681	2,956376477	ENST00000564318	79583	NM_001077416	TMEM231
A_22_P00003354	3,73335	2,1724	2,950480657	N/A	N/A	N/A	Inc-CBLL1-1
A_21_P0006413	3,21584	1,65508	2,95009211	ENST00000419566	100133123	NR_045260	LINC01203
A_21_P0003032	3,20505	1,64436	2,949948974	N/A	N/A	N/A	Inc-COPG-2
A_21_P0011478	10,6528	9,09303	2,948068405	ENST00000565156	96610	XM_006726497	BMS1P20
A_21_P0011532	5,4194	3,86042	2,946454525	N/A	N/A	N/A	XLOC_I2_005714
A_21_P0003606	7,49301	5,93456	2,94537229	ENST00000507388	N/A	N/A	N/A
A_33_P3386932	11,846	10,2893	2,941801698	ENST00000587161	196483	NM_201400	EEF2KMT
A_23_P250302	2,96196	1,40533	2,941658964	ENST00000357422	1232	NM_001837	CCR3
A_21_P0014007	3,05369	1,49749	2,940782324	N/A	101362076	AK098413	GVQW1
A_22_P00002382	3,56	2,00414	2,940089351	ENST00000547465	101929110	NR_110109	CASC18
A_33_P3333156	9,72966	8,17394	2,939804057	ENST00000530659	85016	NM_001195005	C11orf70
A_21_P0000731	3,20221	1,64656	2,93966142	ENST00000499425	100507632	NR_038236	LINC00968
A_33_P3217584	3,96621	2,41128	2,938194701	ENST00000615287	1137	NM_000744	CHRNA4
A_21_P0008744	5,58258	4,02801	2,937461616	N/A	N/A	N/A	Inc-ADAM10-2
A_23_P99906	9,83325	8,27899	2,936830495	ENST00000304231	9455	NM_199330	HOMER2
A_19_P00803864	3,40221	1,84843	2,935853543	N/A	54491	NM_019018	FAM105A

A_23_P56894	9,27238	7,71939	2,93424635	ENST00000461371	57404	NM_177538	CYP20A1
A_23_P119042	3,41905	1,86619	2,933981959	ENST00000221978	4818	NM_005601	NKG7
A_21_P0012651	8,01844	6,46572	2,933697258	ENST00000512092	196483	NM_201598	EEF2KMT
A_23_P33914	9,48587	7,93317	2,933656588	ENST00000484614	54830	NM_017681	NUP62CL
A_21_P0012768	5,77995	4,22784	2,932457095	ENST00000506770	348926	N/A	FAM86EP
A_24_P290013	9,33045	7,77895	2,931217456	ENST00000588728	286042	N/A	FAM86B3P
A_22_P00002225	6,08173	4,53098	2,929694028	N/A	N/A	N/A	Inc-C10orf103-2
A_22_P00016019	8,60655	7,05692	2,927420516	N/A	101928117	XR_242334	LOC101928117
A_33_P3251896	8,81601	7,26643	2,927319061	ENST00000543538	323	NM_004307	APBB2
A_21_P0011081	10,2096	8,66006	2,9272379	ENST00000489609	55199	NM_001099653	FAM86C1
A_24_P41801	6,63183	5,08244	2,926933565	ENST00000316300	4018	NM_005577	LPA
A_23_P12911	13,0544	11,5056	2,92573682	ENST00000304271	53838	NM_022338	C11orf24
A_21_P0004451	4,76686	3,21854	2,924763558	N/A	N/A	N/A	Inc-PCDH1-1
A_22_P00003928	3,15936	1,61143	2,923973021	N/A	N/A	N/A	Inc-CFC1-2
A_22_P00025809	3,30969	1,76246	2,922554645	N/A	101927418	NR_110050	LOC101927418
A_33_P3392350	7,65559	6,10876	2,921744453	N/A	N/A	N/A	N/A
A_24_P157926	9,76597	8,21931	2,921400189	ENST00000615468	7128	NM_006290	TNFAIP3
A_21_P0010434	3,84179	2,29532	2,921015472	N/A	N/A	N/A	Inc-MN1-2
A_33_P3238315	13,428	11,8823	2,919456874	ENST00000411647	10616	NM_006462	RBCK1
A_23_P359870	7,18448	5,6396	2,917797983	N/A	N/A	AJ312026	N/A
A_33_P3344454	4,96209	3,41794	2,916321958	ENST00000328882	390648	NM_001005326	OR4F6
A_21_P0005947	2,98101	1,43729	2,915452868	N/A	N/A	N/A	Inc-ZNF572-1
A_24_P50972	3,30946	1,76605	2,914826476	ENST00000568624	727832	NM_001145004	GOLGA6L6
A_21_P0006237	3,56606	2,02343	2,913250987	N/A	N/A	N/A	Inc-RXRA-2
A_23_P129174	10,2586	8,71669	2,911797445	ENST00000561081	54839	NM_017691	LRRC49
A_21_P0002953	3,217	1,67648	2,908993353	N/A	N/A	N/A	Inc-C3orf77-2
A_21_P0010924	4,66553	3,12501	2,908993353	ENST00000416398	253264	NR_038223	ZNF503-AS1
A_21_P0000565	4,63596	3,09608	2,907703169	ENST00000602812	100302692	NR_028379	FTX
A_22_P00016411	3,02323	1,48341	2,907582243	ENST00000579529	N/A	BX098899	N/A
A_23_P77529	10,4437	8,90424	2,906856796	ENST00000545450	10232	NM_005823	MSLN
A_22_P00017025	3,19896	1,6596	2,906655315	N/A	N/A	N/A	Inc-TTC7B-2
A_33_P3279519	3,21381	1,67464	2,90627254	ENST00000510543	N/A	N/A	N/A
A_23_P72096	12,8927	11,3538	2,905728682	ENST00000263339	3552	NM_000575	IL1A



A_21_P0002651	3,16691	1,62858	2,904580874	N/A	N/A	N/A	Inc-HS1BP3-1
A_21_P0002531	3,4135	1,87541	2,904097721	N/A	N/A	N/A	Inc-AC073043.2.1-1
A_23_P328259	8,05187	6,51381	2,904037333	ENST00000511601	85462	NM_033393	FHDC1
A_22_P00005709	6,57559	5,03759	2,90391656	ENST00000567919	N/A	N/A	N/A
A_33_P3220182	3,4024	1,8648	2,903111535	ENST00000546888	89870	NM_033229	TRIM15
A_22_P00008939	5,70226	4,16536	2,901703278	N/A	N/A	CD695774	Inc-KRT80-3
A_33_P3377911	5,52446	3,98782	2,901180385	ENST00000432045	N/A	N/A	N/A
A_22_P00011419	4,39885	2,86233	2,900939082	N/A	101929329	NR_109957	LAMP5-AS1
A_21_P0012879	3,90327	2,36701	2,900416327	N/A	N/A	N/A	XLOC_I2_011901
A_24_P312325	8,47501	6,93884	2,900235395	N/A	N/A	AJ312027	Inc-AF131215.3.1-1
A_33_P3400552	3,42468	1,88887	2,899511781	ENST00000328698	245911	NM_001002035	DEFB108B
A_22_P00017345	3,48358	1,9489	2,897241609	ENST00000560159	N/A	AK090830	N/A
A_33_P3375553	3,52114	1,98719	2,895775983	ENST00000450457	392509	NM_001162491	ARL13A
A_33_P3231739	3,3012	1,76735	2,89557527	ENST00000354666	54898	NM_017770	ELOVL2
A_19_P00803093	3,20581	1,67308	2,893328235	N/A	N/A	N/A	Inc-LCP2-2
A_23_P500010	4,38306	2,85052	2,892947215	ENST00000526824	43849	NM_145894	KLK12
A_23_P334955	6,94177	5,40926	2,892887059	ENST00000284486	83648	NM_053279	FAM167A
A_33_P3316899	3,22328	1,69099	2,892445949	ENST00000521268	138046	NM_173848	RALYL
A_22_P00007514	3,65738	2,12534	2,89194477	N/A	N/A	N/A	Inc-H2AFJ-2
A_19_P00323692	4,30679	2,77565	2,890141243	ENST00000429829	7503	NR_001564	XIST
A_23_P215828	3,39591	1,86537	2,888939517	N/A	64816	NM_022820	CYP3A43
A_22_P00000009	3,09403	1,56403	2,887858391	N/A	N/A	AY034470	Inc-OR51B4-2
A_21_P0000290	7,55151	6,02171	2,887458077	N/A	26806	NR_002750	SNORD44
A_22_P00016154	4,11242	2,58275	2,887197902	N/A	100506195	NR_038950	LARGE-AS1
A_23_P347632	10,7776	9,24819	2,886677623	ENST00000520771	9788	NM_014751	MTSS1
A_21_P0011694	10,1464	8,61719	2,886277472	ENST00000438770	101927667	NR_110720	LINC01535
A_23_P5301	6,13118	4,6021	2,886017404	ENST00000263707	29842	NM_014553	TFCP2L1
A_32_P197340	2,90892	1,38002	2,885657348	ENST00000409885	285141	NM_001290030	ERICH2
A_23_P24176	8,45276	6,92461	2,884157599	ENST00000265992	54619	NM_019084	CCNJ
A_33_P3357397	3,07108	1,5431	2,883817764	ENST00000422143	N/A	AB306246	N/A
A_24_P11061	14,0776	12,5497	2,883657856	ENST00000452779	158511	NM_153478	CSAG1
A_21_P0001863	3,41034	1,88249	2,883557918	N/A	N/A	N/A	Inc-REL-1
A_33_P3357002	2,99366	1,46629	2,882598687	ENST00000382137	387911	NM_001007537	C1QTNF9B

A_22_P00009121	3,70409	2,17672	2,882598687	ENST00000566562	N/A	BX116282	N/A
A_22_P00023639	3,04102	1,51397	2,881959377	N/A	100505845	NR_102746	ROPN1L-AS1
A_21_P0007891	3,17407	1,64768	2,880641248	ENST00000538041	101928138	NR_120462	LINC01486
A_22_P00017174	3,32294	1,79743	2,87888468	N/A	N/A	N/A	Inc-UBLCP1-6
A_23_P19291	11,6964	10,171	2,878665185	ENST00000333628	7280	NM_001069	TUBB2A
A_33_P3253605	2,97268	1,44765	2,877927004	ENST00000398758	N/A	N/A	N/A
A_33_P3396527	7,92983	6,40586	2,875813264	ENST00000399107	10622	NM_006467	POLR3G
A_22_P00009116	3,90245	2,37912	2,874537796	N/A	N/A	N/A	Inc-LINC00273-1
A_21_P0008420	3,13457	1,61204	2,872944255	N/A	N/A	N/A	Inc-RALGAPA1-3
A_32_P66804	4,65587	3,13412	2,871391404	ENST00000389418	5799	NM_002847	PTPRN2
A_23_P143029	3,30572	1,78408	2,87117248	ENST00000619244	3237	NM_021192	HOXD11
A_21_P0011317	3,50246	1,98184	2,869143249	N/A	N/A	N/A	XLOC_I2_004640
A_21_P0014588	3,17844	1,65786	2,869063701	N/A	N/A	N/A	N/A
A_22_P00015828	6,65947	5,13946	2,867930375	ENST00000438810	284930	NR_122046	LOC284930
A_21_P0002290	3,15739	1,6375	2,867691837	N/A	N/A	N/A	Inc-GYPC-1
A_23_P116741	6,43942	4,91972	2,867314193	ENST00000541480	9271	NM_004764	PIWIL1
A_33_P3373750	12,1495	10,6304	2,866121958	N/A	23476	NM_014299	BRD4
A_21_P0007416	4,49246	2,97357	2,865704793	N/A	N/A	N/A	Inc-RP11-791J7.2.1-1
A_33_P3697191	3,5907	2,0721	2,865128808	N/A	552860	BG528800	SAMD12-AS1
A_21_P0012351	3,15759	1,63937	2,864374244	ENST00000621179	25774	NR_003081	GSTTP1
A_33_P3420816	3,27218	1,75424	2,863818377	ENST00000623927	2657	NM_001492	GDF1
A_21_P0010025	3,92612	2,40839	2,863401547	N/A	N/A	N/A	Inc-GGTLC1-2
A_22_P00007104	3,80433	2,28665	2,863302311	N/A	N/A	N/A	Inc-GLS-2
A_33_P3409477	5,79982	4,28256	2,862468863	ENST00000284273	84959	NM_032873	UBASH3B
A_21_P0012155	7,78551	6,26858	2,861814181	ENST00000427691	N/A	N/A	N/A
A_22_P00019017	3,18139	1,66453	2,861675328	ENST00000422038	N/A	N/A	N/A
A_21_P0004961	2,86194	1,34574	2,860366476	N/A	N/A	N/A	Inc-ARID1B-2
A_33_P3626301	3,71412	2,19858	2,859058223	ENST00000414296	554236	NR_002833	DPY19L2P1
A_33_P3317460	4,12179	2,60646	2,858642086	N/A	N/A	N/A	N/A
A_33_P3342953	4,16739	2,65223	2,858305258	N/A	N/A	N/A	N/A
A_22_P00023709	3,49334	1,97888	2,856918736	ENST00000449613	N/A	N/A	N/A
A_21_P0012331	3,03757	1,52312	2,856898934	ENST00000453395	N/A	N/A	N/A
A_23_P11025	11,9897	10,4761	2,855216216	ENST00000370268	7739	NM_001178106	ZNF185

A_22_P00011303	3,09259	1,57954	2,854127926	ENST00000583267	N/A	N/A	N/A
A_22_P00022855	7,17066	5,65791	2,853534489	N/A	100996437	NR_110037	LOC100996437
A_21_P0000047	3,57364	2,0618	2,85173515	ENST00000602962	27185	NM_001164544	DISC1
A_23_P117782	13,6848	12,1731	2,851458429	ENST00000299213	55323	NM_018357	LARP6
A_21_P0001655	3,77256	2,26087	2,851438664	N/A	N/A	N/A	Inc-AL669831.1-4
A_33_P3390939	6,1273	4,61567	2,851320079	N/A	N/A	N/A	N/A
A_22_P00023115	5,36318	3,85267	2,849107387	N/A	100874353	NR_046793	RPS6KA2-IT1
A_21_P0011517	8,92901	7,41909	2,847942463	ENST00000453883	3861	NM_000526	KRT14
A_33_P3257428	2,98767	1,47778	2,847883243	ENST00000390377	N/A	AB306200	N/A
A_22_P00004399	4,02696	2,51738	2,847271368	N/A	101927233	NR_109879	SEMA6A-AS1
A_21_P0008818	3,15979	1,65087	2,845969104	N/A	N/A	N/A	Inc-APBA2-2
A_23_P396858	7,28126	5,77239	2,845870472	ENST00000374694	8325	NM_031866	FZD8
A_33_P3226832	16,251	14,7428	2,844549132	ENST00000370207	2152	NM_001993	F3
A_33_P3278951	3,89685	2,38865	2,844549132	ENST00000322128	85453	NM_033512	TSPYL5
A_22_P00003770	3,78801	2,28034	2,843504328	ENST00000548740	N/A	N/A	N/A
A_23_P336992	10,083	8,57548	2,843208698	ENST00000316495	90637	NM_182491	ZFAND2A
A_19_P00319398	10,7931	9,28583	2,84271605	ENST00000440542	100288413	NM_024534	ERVMER34-1
A_22_P00024060	3,15088	1,64445	2,841061379	ENST00000421597	N/A	N/A	N/A
A_22_P00006206	3,63832	2,13228	2,840293466	ENST00000455796	100507391	NR_037891	LOC100507391
A_21_P0006238	4,09797	2,59239	2,839387989	N/A	N/A	N/A	Inc-RXRA-1
A_21_P0004624	3,65613	2,15133	2,837853275	ENST00000440848	N/A	N/A	N/A
A_22_P00020160	5,32157	3,81797	2,835493797	ENST00000564048	N/A	AK123174	N/A
A_22_P00017912	3,56663	2,06401	2,833568344	N/A	N/A	N/A	Inc-ZFP36L1-2
A_21_P0000790	3,39443	1,89182	2,833548704	N/A	100506801	NR_038404	LOC100506801
A_22_P00000841	4,29351	2,79109	2,833175556	N/A	N/A	BG533339	Inc-AGBL4-1
A_33_P3245290	10,3267	8,82433	2,833077367	N/A	375719	N/A	AQP7P1
A_21_P0011789	3,93907	2,4377	2,831114308	N/A	N/A	N/A	XLOC_I2_007176
A_21_P0011711	4,71043	3,20942	2,830407939	N/A	N/A	N/A	XLOC_I2_006813
A_22_P00015539	3,51784	2,01736	2,829368329	N/A	N/A	N/A	Inc-STK32C-1
A_33_P3315982	3,39325	1,89341	2,82811346	ENST00000599388	100130342	BC114619	SCGB2B3P
A_23_P146294	7,98092	6,48136	2,827564629	ENST00000262103	79645	NM_024593	EFCAB1
A_23_P433218	8,22	6,72079	2,826878741	ENST00000400027	79315	NR_002185	OR7E91P
A_23_P429998	10,7012	9,20269	2,825507463	ENST00000615753	2354	NM_006732	FOSB

A_19_P00803441	3,57849	2,08011	2,825252871	N/A	100499194	NR_034130	LOC100499194
A_21_P0009895	3,3799	1,88168	2,824939558	N/A	N/A	N/A	Inc-FAM182B-2
A_23_P359043	7,0955	5,59778	2,823960678	ENST00000374530	11217	NM_001004065	AKAP2
A_23_P56559	15,3078	13,8101	2,82392153	ENST00000428522	10170	NM_001142270	DHRS9
A_33_P3264926	7,87143	6,37375	2,823882382	ENST00000554335	23034	NM_015589	SAMD4A
A_21_P0000476	11,4636	9,96643	2,822884302	N/A	100124538	NR_003708	SNORA70C
A_23_P210425	9,06311	7,56608	2,822610381	ENST00000346786	10398	NM_181526	MYL9
A_22_P00001715	3,68492	2,18799	2,822414739	ENST00000413053	N/A	AK092802	N/A
A_33_P3228593	9,22295	7,72611	2,822238673	ENST00000465431	N/A	AK023344	N/A
A_24_P185945	10,0768	8,58028	2,82161275	ENST00000431963	4103	NM_002362	MAGEA4
A_24_P794458	3,44541	1,94975	2,819931269	ENST00000383754	4336	NM_182935	MOBP
A_22_P00020747	6,90571	5,41015	2,819735813	N/A	N/A	BX097797	Inc-AMIGO2-2
A_33_P3357600	3,02995	1,53481	2,818915046	ENST00000359518	10612	NM_006458	TRIM3
A_22_P00010476	4,01685	2,52196	2,818426608	N/A	N/A	CD244325	Inc-NAPG-3
A_22_P00016091	3,01687	1,52249	2,817430456	N/A	N/A	N/A	Inc-THOC1-1
A_33_P3305763	5,92432	4,43215	2,813117864	N/A	N/A	BC069683	Inc-AF131215.4.1-1
A_22_P00022588	2,87991	1,38795	2,812708414	N/A	N/A	N/A	Inc-TMEM30B-2
A_33_P3226955	5,07556	3,58371	2,812493964	N/A	N/A	N/A	N/A
A_23_P377996	3,07182	1,58032	2,811811731	ENST00000296615	285671	NM_178532	RNF180
A_21_P0006509	3,07842	1,58697	2,811714283	N/A	N/A	N/A	Inc-NRK-1
A_23_P29005	4,20318	2,71193	2,811324524	ENST00000619120	64092	NM_022136	SAMSN1
A_23_P107336	3,55637	2,06525	2,811071209	ENST00000576594	9744	NM_014716	ACAP1
A_24_P137897	12,2894	10,799	2,809668649	ENST00000005558	3475	NM_001007245	IFRD1
A_22_P00016634	3,10651	1,61616	2,809571275	N/A	N/A	BU543472	Inc-TOR2A-1
A_33_P3295333	3,15784	1,66751	2,809532326	ENST00000315330	51267	NM_001297750	CLEC1A
A_21_P0010719	5,95574	4,46554	2,809279173	N/A	N/A	N/A	Inc-RP3-377D14.1.1-3
A_21_P0004822	2,95625	1,4668	2,80781912	ENST00000607519	N/A	N/A	N/A
A_24_P355626	3,28748	1,79972	2,804531914	ENST00000619701	64137	NM_022169	ABCG4
A_23_P52207	9,87104	8,38355	2,804007095	ENST00000375533	25805	NM_012342	BAMBI
A_22_P00011356	3,06349	1,57675	2,802549782	ENST00000442322	100887754	NR_051966	LINC00359
A_32_P234145	4,75222	3,26561	2,802297258	ENST00000332408	399694	NM_203349	SHC4
A_21_P0008294	3,32888	1,84237	2,802103024	ENST00000508827	101927780	N/A	LOC101927780
A_23_P404494	10,7149	9,22917	2,800588463	ENST00000303115	3575	NM_002185	IL7R

A_23_P58251	6,63914	5,15362	2,800180837	ENST00000514302	8532	NM_001014448	CPZ
A_23_P149892	8,32483	6,83972	2,799385166	ENST00000374466	55454	NM_018590	CSGALNACT2
A_33_P3373745	7,4228	5,93773	2,799307551	ENST00000595926	23476	NM_014299	BRD4
A_24_P182892	2,88239	1,39816	2,797678147	ENST00000425817	80704	NM_025243	SLC19A3
A_21_P0007269	3,01741	1,5339	2,796282269	N/A	101928477	XR_246461	LOC101928477
A_21_P0002736	3,09798	1,61461	2,796010929	ENST00000424786	N/A	XR_425582	N/A
A_22_P00024824	3,62749	2,14465	2,794983953	N/A	N/A	BC034816	Inc-SYNM-2
A_21_P0011236	3,16055	1,67846	2,793531329	ENST00000611785	N/A	N/A	N/A
A_22_P00002197	3,1278	1,64589	2,793182812	N/A	N/A	N/A	Inc-BTG3-2
A_21_P0006201	3,39265	1,91077	2,79312473	N/A	N/A	N/A	Inc-RAD23B-3
A_21_P0004105	2,84195	1,36111	2,791111967	ENST00000511443	101929454	N/A	LOC101929454
A_22_P00012370	3,15104	1,67026	2,79099589	ENST00000541949	101928162	NR_120463	LOC101928162
A_24_P42039	2,86707	1,38744	2,78877202	ENST00000595971	N/A	CR745853	N/A
A_23_P109143	16,1106	14,6317	2,787361266	ENST00000379440	5621	NM_000311	PRNP
A_23_P74914	9,61539	8,1372	2,785989846	ENST00000258243	9816	NM_014777	URB2
A_24_P350589	3,0344	1,55661	2,785217513	ENST00000306799	57484	NM_020724	RNF150
A_23_P147826	8,62989	7,15248	2,784483995	ENST00000460462	57826	NM_021183	RAP2C
A_21_P0010588	5,06082	3,5846	2,782188174	N/A	N/A	N/A	XLOC_I2_000706
A_24_P21831	10,2951	8,81896	2,782033901	ENST00000328654	7574	NM_019591	ZNF26
A_24_P232545	3,0854	1,60985	2,780896401	ENST00000298251	220296	NM_152722	HEPACAM
A_22_P00017915	8,79181	7,31632	2,78078075	ENST00000427548	169834	NM_001101338	ZNF883
A_23_P28948	3,2105	1,7351	2,780607281	ENST00000201979	28954	NM_014012	REM1
A_22_P00005000	3,28446	1,80964	2,779489631	N/A	N/A	N/A	Inc-DDHD2-1
A_33_P3310430	11,8553	10,3806	2,779258449	ENST00000477247	653333	NM_001137610	FAM86B2
A_22_P00020852	3,64046	2,16586	2,779065812	N/A	N/A	N/A	Inc-RP11-867G23.8.1-1
A_24_P561341	3,13357	1,65901	2,778988761	ENST00000619265	285016	NM_001002919	FAM150B
A_19_P00319409	10,9379	9,4636	2,778487982	ENST00000440542	100288413	NM_024534	ERVMER34-1
A_21_P0005027	6,27838	4,80428	2,778102828	N/A	N/A	N/A	Inc-MRPS18A-1
A_23_P310086	4,42114	2,94712	2,777948782	ENST00000370746	221336	NM_152731	BEND6
A_19_P00317144	3,58131	2,10765	2,777255678	N/A	101928004	XR_241967	LOC101928004
A_33_P3216601	4,13746	2,66482	2,775292825	ENST00000476844	2272	NM_002012	FHIT
A_23_P59637	8,98559	7,51439	2,772524098	N/A	9732	NM_014705	DOCK4
A_33_P3222892	13	11,5288	2,772524098	ENST00000393587	8273	NM_019848	SLC10A3

A_21_P0008871	7,80952	6,33894	2,771332858	N/A	645644	NR_024492	FLJ42627
A_23_P341567	5,74408	4,27387	2,770622201	ENST00000362026	133308	NM_178833	SLC9B2
A_22_P00016798	3,93952	2,46951	2,770238138	ENST00000556762	N/A	DA455367	N/A
A_23_P31721	8,89378	7,42377	2,770238138	ENST00000517476	1875	NM_001951	E2F5
A_22_P00020063	3,00842	1,53844	2,770180533	N/A	N/A	N/A	Inc-TADA2B-1
A_21_P0002958	2,90378	1,43392	2,769950126	N/A	N/A	N/A	Inc-ARIH2-1
A_23_P127760	3,29211	1,82241	2,769642945	ENST00000016913	54860	NM_017716	MS4A12
A_21_P0005936	3,43032	1,96132	2,768299432	N/A	N/A	N/A	Inc-UNC5D-1
A_23_P202034	3,40496	1,93617	2,767896505	ENST00000490269	390003	N/A	GUCY2GP
A_22_P00020279	3,252	1,78374	2,766879855	ENST00000415774	N/A	N/A	N/A
A_33_P3288614	5,9299	4,46193	2,766323733	N/A	101927322	NM_001289967	LOC101927322
A_33_P3399061	6,7181	5,25054	2,765537683	ENST00000611195	104	NR_027673	ADARB1
A_21_P0014859	3,56199	2,09584	2,762836139	N/A	N/A	N/A	N/A
A_33_P3357199	3,83989	2,3742	2,761955356	ENST00000389938	284948	NM_198482	SH2D6
A_33_P3269740	10,9218	9,45614	2,761897923	ENST00000524893	653333	NM_001137610	FAM86B2
A_24_P924862	11,7933	10,328	2,761208824	ENST00000319170	65059	NM_213589	RAPH1
A_22_P00004208	4,54064	3,07584	2,760252028	N/A	N/A	N/A	Inc-CLNS1A-1
A_22_P00006922	3,3705	1,90633	2,759046937	ENST00000413286	N/A	N/A	N/A
A_22_P00012852	3,33452	1,87047	2,758817455	ENST00000558297	729911	NR_038997	ANKRD34C-AS1
A_23_P71170	4,58221	3,11829	2,758568872	ENST00000463646	55503	NM_018646	TRPV6
A_23_P171388	2,86233	1,39855	2,758301192	ENST00000284856	9087	NM_004202	TMSB4Y
A_21_P0011012	3,13412	1,67052	2,75795707	N/A	N/A	N/A	XLOC_I2_002686
A_22_P00002842	4,32529	2,86179	2,757765909	N/A	N/A	AK055026	Inc-C3orf26-1
A_21_P0006829	4,49181	3,02855	2,757307178	ENST00000436383	100507127	NR_038291	LINC00707
A_21_P0014517	5,77628	4,31356	2,756275313	ENST00000434985	101930346	XR_426076	LOC101930346
A_22_P00018716	3,25871	1,79635	2,755587617	ENST00000575911	N/A	BF825985	N/A
A_22_P00016150	3,75846	2,29684	2,754174559	N/A	N/A	N/A	Inc-TIMP3-2
A_23_P352799	5,03688	3,57533	2,754040929	ENST00000329610	283869	NM_001099456	NPW
A_33_P3282162	6,40915	4,94773	2,753792776	N/A	191585	NM_182832	PLAC4
A_24_P368575	9,25674	7,79619	2,752132634	ENST00000295736	9497	NM_003615	SLC4A7
A_24_P226116	7,00103	5,54056	2,751980028	ENST00000398947	80155	NM_057175	NAA15
A_21_P0003140	3,12289	1,66247	2,751884653	N/A	N/A	N/A	Inc-RPL24-2
A_22_P00018045	4,69464	3,23452	2,751312475	N/A	101928530	NR_110919	LOC101928530

A_22_P00014740	3,02855	1,56859	2,751007361	ENST00000513197	N/A	N/A	N/A
A_22_P00024648	6,34478	4,8849	2,750854817	ENST00000538430	N/A	N/A	N/A
A_23_P345887	9,02907	7,56923	2,750778548	ENST00000361060	2673	NM_001244710	GFPT1
A_33_P3314574	4,45582	2,9961	2,750549754	N/A	N/A	N/A	N/A
A_23_P374892	3,04288	1,58364	2,749634769	ENST00000571348	51716	NR_003276	CES1P1
A_23_P319572	3,72905	2,27001	2,749253616	ENST00000367979	9970	NM_001077482	NR1I3
A_19_P00316375	5,59805	4,13998	2,747405769	ENST00000520332	90459	N/A	ERI1
A_24_P366859	3,29068	1,83298	2,746701247	ENST00000324554	83878	NM_031941	USHBP1
A_33_P3513023	3,93858	2,48095	2,746567979	N/A	N/A	AK127961	N/A
A_21_P0006610	4,35832	2,90116	2,745673351	ENST00000429940	84856	NR_026827	LINC00839
A_24_P65616	11,4287	9,97322	2,74247791	ENST00000425690	5817	NM_006505	PVR
A_22_P00021012	2,97899	1,52369	2,742135762	N/A	N/A	N/A	Inc-GLS-1
A_23_P125837	9,33629	7,88136	2,741432592	ENST00000373357	51260	NM_016500	PBDC1
A_23_P358597	8,75739	7,30252	2,741318581	ENST00000474760	64208	NM_022361	POPDC3
A_33_P3332348	16,4232	14,9685	2,740995577	N/A	6029	NR_002715	RN7SL1
A_21_P0006834	3,85267	2,39818	2,740596624	N/A	N/A	N/A	Inc-GATA3-2
A_23_P121657	15,6134	14,1596	2,739286188	ENST00000002596	9957	NM_005114	HS3ST1
A_22_P00011398	2,87962	1,42659	2,737824557	N/A	N/A	N/A	Inc-PACRGL-2
A_23_P11729	8,36767	6,91576	2,735699941	ENST00000417934	51043	NM_001252406	ZBTB7B
A_22_P00013874	3,08719	1,63544	2,735396559	N/A	N/A	BU561379	Inc-RPP38-3
A_21_P0014384	7,02572	5,57416	2,735036336	N/A	N/A	N/A	N/A
A_21_P0012571	6,28809	4,83655	2,734998421	ENST00000511564	N/A	N/A	N/A
A_23_P36939	8,00445	6,55455	2,731891147	ENST00000379161	26747	NM_012345	NUFIP1
A_21_P0014379	4,03435	2,5845	2,731796468	N/A	101927720	NR_110723	ZNF793-AS1
A_21_P0013645	3,33487	1,88614	2,72967653	ENST00000625032	N/A	N/A	N/A
A_22_P00011229	3,39182	1,94336	2,729165719	N/A	N/A	N/A	Inc-OR10H1-1
A_21_P0012455	7,6076	6,15981	2,727898565	N/A	101927056	N/A	LOC101927056
A_22_P00003557	7,23974	5,7922	2,727425898	N/A	641364	NR_038380	SLC7A11-AS1
A_24_P336853	10,1934	8,74614	2,726896607	ENST00000263657	56902	NM_020143	PNO1
A_22_P00018999	3,09365	1,64766	2,724497184	N/A	N/A	N/A	Inc-MYOC-2
A_23_P51936	5,36492	3,91914	2,724100633	ENST00000377507	3604	NM_001561	TNFRSF9
A_24_P35400	4,01328	2,56781	2,723515353	ENST00000422262	1757	NM_007101	SARDH
A_23_P109055	7,95818	6,51297	2,72302457	ENST00000372102	112858	NM_033550	TP53RK

A_23_P98350	10,7272	9,28213	2,722760339	ENST00000263464	330	NM_001165	BIRC3
A_33_P3687198	9,73278	8,28818	2,721873465	ENST00000257572	8739	AK094730	HRK
A_22_P00019308	8,43861	6,9943	2,721326389	N/A	N/A	AL832593	Inc-C17orf89-1
A_21_P0000475	11,4524	10,0086	2,720364556	N/A	100124537	NR_003707	SNORA70B
A_33_P3320538	9,47614	8,03276	2,719572714	ENST00000463407	9818	AB007870	NUPL1
A_33_P3214105	8,38114	6,93795	2,719214575	ENST00000366981	467	NM_001674	ATF3
A_24_P101651	12,6396	11,1974	2,717349248	ENST00000361201	100130935	NR_073432	CSAG4
A_23_P214011	7,40984	5,96772	2,71719857	ENST00000265071	1004	NM_004932	CDH6
A_21_P0002839	3,07992	1,63793	2,716953737	ENST00000436060	285370	N/A	LINC00606
A_23_P171117	10,8373	9,3956	2,716407649	ENST00000355610	79710	NM_024657	MORC4
A_22_P00022317	5,03267	3,59131	2,715767549	ENST00000522130	4481	XR_252382	MSR1
A_24_P176079	7,91	6,46909	2,714920589	ENST00000361042	10810	NM_006646	WASF3
A_22_P00010857	3,94373	2,50304	2,714506616	N/A	100616277	NR_039748	MIR4522
A_32_P19752	11,12	9,67968	2,713810531	ENST00000398187	143684	NM_144664	FAM76B
A_23_P41327	11,2932	9,85334	2,712945376	ENST00000452476	55646	NM_017816	LYAR
A_21_P0014771	8,67408	7,23452	2,712381294	N/A	N/A	N/A	N/A
A_21_P0011922	2,96747	1,52796	2,712287291	N/A	N/A	N/A	XLOC_I2_008043
A_33_P3356210	9,90955	8,47018	2,712024102	ENST00000338965	374383	NM_001202439	NCR3LG1
A_21_P0000060	5,95867	4,52006	2,710595806	ENST00000510944	80144	NM_001166133	FRAS1
A_24_P943358	4,43317	2,99468	2,710370355	ENST00000265728	10926	NM_006716	DBF4
A_22_P00003210	3,48855	2,05112	2,708379679	ENST00000526470	102724496	XR_426314	LOC102724496
A_33_P3321564	2,93444	1,49703	2,708342133	N/A	N/A	N/A	N/A
A_24_P303091	9,32171	7,88457	2,707835315	ENST00000306602	3627	NM_001565	CXCL10
A_33_P3344399	9,07806	7,64094	2,707797777	ENST00000436542	54839	NM_001199018	LRRC49
A_33_P3356985	3,15567	1,71889	2,707159705	ENST00000326513	N/A	AB529250	N/A
A_33_P3290898	3,25269	1,81614	2,706728154	ENST00000443027	27151	NM_015692	CPAMD8
A_21_P0007295	2,90655	1,47016	2,706427985	ENST00000527317	101929473	NR_120578	LOC101929473
A_24_P389608	10,3434	8,90736	2,705771481	ENST00000277570	254427	NM_153256	PROSER2
A_33_P3282683	3,39249	1,95687	2,704983887	N/A	100130027	AK127225	LOC100130027
A_22_P00007443	3,57273	2,13758	2,704102803	ENST00000434792	101927472	NR_120622	LOC101927472
A_23_P165840	13,602	12,1669	2,704009087	ENST00000405333	4953	NM_002539	ODC1
A_22_P00017045	2,8289	1,39421	2,703240743	ENST00000522086	102725286	N/A	LOC102725286
A_21_P0010854	13,8857	12,4516	2,70213546	ENST00000432689	340811	NR_027916	AKR1C8P



A_22_P00023611	3,06151	1,62803	2,700974464	N/A	N/A	CN352709	Inc-NNT-3
A_21_P0011688	5,20777	3,77445	2,700674933	ENST00000531821	730087	N/A	ZNF726
A_23_P251705	6,95408	5,5215	2,699290034	ENST00000624843	23229	NM_015185	ARHGEF9
A_22_P00013322	2,9747	1,54418	2,695438513	ENST00000547876	N/A	N/A	N/A
A_33_P3340007	9,14399	7,71396	2,694523184	ENST00000435601	220429	NR_003268	CTAGE10P
A_21_P0012102	3,19554	1,76558	2,694392448	ENST00000608419	101927687	XR_241384	LOC101927687
A_23_P329962	5,77451	4,34464	2,694224369	ENST00000449896	256979	NM_001030019	SUN3
A_24_P51855	6,40554	4,97604	2,693533484	ENST00000495880	1849	NM_001947	DUSP7
A_24_P71468	4,04555	2,61686	2,692021627	ENST00000469098	25797	NM_012413	QPCT
A_23_P126888	9,96191	8,53324	2,691984307	ENST00000332129	23046	NM_017596	KIF21B
A_21_P0012846	3,22166	1,79323	2,691536519	ENST00000515596	102723470	N/A	LOC102723470
A_32_P99753	6,92004	5,49191	2,690976888	ENST00000503498	90288	NM_207307	EFCAB12
A_23_P320113	14,1004	12,6726	2,690361428	ENST00000381962	140809	NM_080725	SRXN1
A_23_P1473	3,15142	1,72481	2,688143211	ENST00000441259	5551	NM_005041	PRF1
A_23_P131202	6,97268	5,54611	2,688068681	ENST00000272937	55502	NM_018645	HES6
A_33_P3287815	13,6412	12,2149	2,687565657	ENST00000620315	9188	NM_001256910	DDX21
A_21_P0014143	4,84438	3,41811	2,687509771	ENST00000504989	100506791	NR_125810	LINC01511
A_23_P13094	8,14319	6,71744	2,686541269	ENST00000279441	4319	NM_002425	MMP10
A_24_P80776	8,23802	6,81237	2,686355059	ENST00000416247	221710	NM_001135575	SMIM13
A_21_P0000499	2,94749	1,52219	2,685703424	N/A	25826	NR_004398	SNORD82
A_22_P00004529	2,91686	1,49228	2,684363415	ENST00000438824	N/A	BX089370	N/A
A_22_P00023906	4,47768	3,05345	2,683712263	N/A	N/A	BG193540	Inc-KCTD6-3
A_24_P364057	9,59222	8,16889	2,682038599	ENST00000530659	85016	NM_032930	C11orf70
A_23_P104762	12,8731	11,4498	2,681982828	ENST00000531439	10413	NM_006106	YAP1
A_21_P0000922	6,17225	4,74898	2,681927058	ENST00000417805	101927787	NR_125944	LOC101927787
A_22_P00009139	3,98281	2,56082	2,679548632	N/A	N/A	N/A	Inc-LIPC-1
A_33_P3253902	3,70055	2,27876	2,679177193	N/A	N/A	N/A	N/A
A_21_P0011732	5,48197	4,06043	2,678712967	ENST00000596283	104472717	NR_126448	LINC01224
A_21_P0013997	3,17075	1,74975	2,677710514	ENST00000561882	100509620	XM_006710130	LOC100509620
A_24_P116909	6,17936	4,75933	2,675910753	ENST00000348428	10892	NM_006785	MALT1
A_21_P0014434	5,84004	4,42002	2,675892205	N/A	100506901	XR_430537	LOC100506901
A_23_P145606	5,79347	4,37401	2,674853726	ENST00000320658	1129	NM_001006630	CHRM2
A_19_P00316050	6,83125	5,41194	2,67457563	N/A	N/A	HW531573	N/A

A_33_P3271261	2,81937	1,40016	2,674390249	ENST00000293973	4917	NM_006181	NTN3
A_32_P205110	13,6107	12,192	2,673445006	ENST00000380874	2296	NM_001453	FOXC1
A_21_P0009860	2,97682	1,55827	2,673167057	ENST00000416190	102723578	N/A	LINC01440
A_33_P3379231	3,36054	1,942	2,673148528	N/A	N/A	N/A	N/A
A_21_P0004695	2,89935	1,48088	2,673018829	ENST00000435483	N/A	N/A	N/A
A_21_P0012013	3,06822	1,65019	2,672203723	ENST00000471661	N/A	XM_006712314	N/A
A_33_P3239347	9,93682	8,51881	2,672166679	ENST00000380871	4824	NM_006167	NKX3-1
A_23_P394395	8,44841	7,03059	2,671814783	ENST00000372980	57158	NM_020433	JPH2
A_33_P3232193	3,27741	1,85977	2,671481451	ENST00000394156	1009	XM_005255764	CDH11
A_22_P00001690	3,02954	1,6125	2,670370644	N/A	N/A	BG213071	Inc-ASZ1-1
A_22_P00019551	7,0366	5,6199	2,669741392	N/A	100128494	NR_104178	LOC100128494
A_23_P125618	6,54677	5,13016	2,66957485	ENST00000535043	2556	NM_000808	GABRA3
A_23_P166807	12,5744	11,1584	2,668446339	ENST00000498822	57060	NM_033010	PCBP4
A_23_P332789	2,91395	1,49806	2,668242888	ENST00000261751	1143	NM_000750	CHRN4
A_21_P0003200	4,10529	2,69021	2,666745226	N/A	N/A	N/A	Inc-BCL6-3
A_21_P0006685	3,87305	2,45806	2,666578871	ENST00000441348	N/A	N/A	N/A
A_21_P0012553	3,03618	1,62139	2,66620923	ENST00000489012	647107	N/A	LINC01192
A_33_P3353752	3,14568	1,73103	2,665950512	N/A	N/A	N/A	N/A
A_23_P301846	2,92123	1,5067	2,665728774	ENST00000331587	796	NM_001033952	CALCA
A_23_P422911	3,45543	2,0412	2,665174509	ENST00000620595	266722	NM_153456	HS6ST3
A_33_P3309626	5,13053	3,71636	2,66506367	ENST00000378898	170691	AK131344	ADAMTS17
A_21_P0005694	3,23285	1,8193	2,663918601	N/A	101929268	N/A	LOC101929268
A_22_P00012088	11,7757	10,3626	2,663087811	N/A	N/A	AK057657	Inc-PMM2-6
A_19_P00319561	4,29173	2,87901	2,662386457	ENST00000602772	554203	N/A	JPX
A_33_P3690239	3,54692	2,13615	2,658790308	N/A	399708	NR_038884	LINC00701
A_33_P3395783	2,77758	1,36719	2,658090086	ENST00000389656	26074	NM_015585	CFAP61
A_19_P00807053	12,9266	11,5163	2,657924271	ENST00000554032	100506411	XR_245779	LOC100506411
A_19_P00321190	2,97018	1,56079	2,656248276	ENST00000521132	N/A	N/A	N/A
A_33_P3373259	3,19456	1,78573	2,655217421	ENST00000468658	55799	NM_018398	CACNA2D3
A_22_P00022719	4,04042	2,63233	2,653855832	N/A	N/A	AK124563	Inc-XXYLT1-1
A_22_P00007124	3,79945	2,39141	2,653763858	ENST00000454223	85441	NM_001037335	HELZ2
A_24_P913227	7,26148	5,85361	2,65345117	ENST00000394884	8697	BC010944	CDC23
A_23_P408094	10,7699	9,36234	2,65288107	ENST00000410000	4084	NM_002357	MXD1

A_33_P3276087	2,90361	1,49617	2,652660418	N/A	N/A	N/A	N/A
A_21_P0006305	3,06331	1,65665	2,651226632	N/A	N/A	N/A	Inc-OR13C4-2
A_22_P00006844	2,93895	1,53242	2,650987743	ENST00000421297	N/A	XR_242638	N/A
A_21_P0012917	4,15869	2,75291	2,649609958	N/A	N/A	N/A	XLOC_I2_012147
A_22_P00012819	3,10702	1,70147	2,649187581	N/A	N/A	N/A	Inc-RARRES2-3
A_22_P00007866	5,44906	4,04352	2,649169218	N/A	100506974	XR_111668	LOC100506974
A_23_P134008	8,2455	6,84035	2,648453172	ENST00000472914	85015	BC005991	USP45
A_21_P0009118	6,2023	4,79793	2,64702166	N/A	N/A	N/A	Inc-C16orf55-1
A_33_P3287068	2,90848	1,50435	2,64658135	N/A	100874107	NR_046378	MTUS2-AS1
A_22_P00018258	8,5934	7,18967	2,645847664	N/A	442319	N/A	ZNF727
A_33_P3292994	2,79087	1,38751	2,645169185	N/A	N/A	N/A	N/A
A_21_P0006096	3,07088	1,6676	2,64502251	ENST00000445897	N/A	N/A	N/A
A_22_P00023335	3,68451	2,28142	2,644674189	N/A	N/A	N/A	Inc-CST9LP1-2
A_33_P3664161	2,92331	1,52025	2,644619195	ENST00000434431	388946	NM_001145051	TMEM247
A_33_P3413840	5,04589	3,64303	2,644252598	ENST00000505994	2710	NM_001205019	GK
A_22_P00019115	3,05894	1,65639	2,643684474	ENST00000551875	N/A	N/A	N/A
A_23_P73780	11,8111	10,4086	2,643592852	ENST00000369980	3654	NM_001569	IRAK1
A_23_P141894	7,51211	6,10966	2,643501234	ENST00000406449	5817	NM_006505	PVR
A_23_P379026	12,6852	11,2833	2,642493641	ENST00000307126	54676	NM_019096	GTPBP2
A_23_P98645	3,45524	2,05407	2,641156884	ENST00000299441	8642	NM_003737	DCHS1
A_21_P0001707	3,04499	1,64482	2,639326808	N/A	N/A	N/A	Inc-ADAMTSL4-1
A_33_P3369029	3,37624	1,97615	2,639180457	ENST00000456932	440300	NR_033738	LOC440300
A_33_P3314525	6,28641	4,88702	2,637900229	ENST00000444326	400508	NR_026675	CRYM-AS1
A_23_P217637	11,7006	10,3023	2,635907968	ENST00000372902	1678	NM_004085	TIMM8A
A_33_P3346643	2,9978	1,59969	2,635560847	N/A	N/A	N/A	N/A
A_22_P00006545	3,15311	1,75557	2,634519759	N/A	N/A	N/A	Inc-FKBP14-1
A_23_P253561	13,0528	11,6555	2,634081529	ENST00000372904	79183	NM_024331	TTPAL
A_33_P3271684	4,17127	2,77422	2,633625117	ENST00000377495	653567	NM_001098844	TMEM236
A_32_P48244	4,38774	2,99073	2,633552098	ENST00000358296	163227	XM_005259783	ZNF100
A_33_P3390557	3,80248	2,4055	2,633497336	ENST00000482657	401562	NM_207510	LCNL1
A_33_P3234020	3,2063	1,81038	2,631563121	ENST00000327987	9543	NM_004884	IGDCC3
A_22_P00014966	3,77504	2,37971	2,630487145	ENST00000502421	N/A	N/A	N/A
A_32_P405902	3,67347	2,27898	2,628956007	ENST00000428301	54055	NR_026755	CYP4F29P

A_23_P136870	13,0779	11,6836	2,628609802	ENST00000616035	4105	NM_175868	MAGEA6
A_22_P00001819	3,89949	2,50594	2,627243647	ENST00000418415	N/A	N/A	N/A
A_33_P3378011	3,04753	1,65469	2,625951007	N/A	100996844	XM_003846731	LOC100996844
A_23_P105012	9,26714	7,87479	2,625059275	ENST00000255695	54979	NM_017878	HRASLS2
A_21_P0013800	5,35349	3,96133	2,624713583	N/A	N/A	N/A	XLOC_I2_015641
A_33_P3283535	4,30929	2,91748	2,624076901	N/A	N/A	N/A	N/A
A_33_P3343175	9,35377	7,96198	2,624040524	ENST00000306602	3627	NM_001565	CXCL10
A_22_P00011439	3,78106	2,38977	2,623131258	ENST00000523742	102557615	NR_108020	CTB-7E3.1
A_33_P3262927	8,89962	7,50866	2,622531315	ENST00000395014	57060	NM_001174100	PCBP4
A_21_P0011477	10,6152	9,22431	2,622404072	ENST00000565156	101101776	NR_073460	BMS1P17
A_21_P0008987	4,41436	3,02403	2,621386351	N/A	N/A	N/A	Inc-FOXF1-1
A_21_P0012827	3,18122	1,79244	2,618571504	ENST00000503577	N/A	N/A	N/A
A_33_P3312182	9,85424	8,46559	2,618335557	ENST00000622831	254427	NM_153256	PROSER2
A_23_P348183	5,29755	3,90923	2,617736711	ENST00000439969	221416	NM_153246	C6orf223
A_22_P00021525	2,94669	1,5588	2,616956602	ENST00000509497	N/A	XR_244733	N/A
A_22_P00022819	3,55574	2,16821	2,616303667	N/A	N/A	N/A	Inc-ADAM22-2
A_33_P3379680	2,88493	1,49834	2,614599548	ENST00000408906	393046	NM_012365	OR2A5
A_22_P00004981	3,46003	2,07359	2,614327716	N/A	N/A	BX111218	Inc-DCTD-3
A_33_P3640690	3,13296	1,74686	2,61371167	ENST00000488625	6935	NM_001128128	ZEB1
A_21_P0010201	2,86594	1,47999	2,613439931	N/A	N/A	N/A	Inc-TMEM50B-1
A_23_P401472	6,65908	5,27377	2,612280829	ENST00000615928	1131	NM_000740	CHRM3
A_22_P00023857	3,40101	2,0175	2,609023611	N/A	N/A	N/A	Inc-YPEL5-3
A_22_P00005495	3,8223	2,43883	2,608951274	N/A	N/A	N/A	Inc-DYSF-3
A_22_P00025815	4,12242	2,73906	2,608752359	ENST00000518787	N/A	N/A	N/A
A_21_P0009358	3,31622	1,93289	2,608698112	N/A	N/A	N/A	Inc-SLC39A11-1
A_21_P0010994	5,0424	3,65911	2,608625785	N/A	N/A	N/A	XLOC_I2_002441
A_23_P94461	3,9545	2,57154	2,60802916	ENST00000480279	83856	NM_031919	FSD1L
A_33_P3384913	3,24407	1,8619	2,60660143	N/A	N/A	N/A	N/A
A_33_P3301876	4,90181	3,52039	2,605246713	N/A	N/A	N/A	N/A
A_23_P374782	11,5639	10,183	2,604307856	ENST00000379698	30011	NM_001024666	SH3KBP1
A_23_P6802	12,3966	11,0159	2,603946847	ENST00000232888	9136	NM_004704	RRP9
A_22_P00007322	2,97916	1,59948	2,602106481	ENST00000555913	N/A	N/A	N/A
A_22_P00013123	3,03418	1,65457	2,601980229	N/A	N/A	N/A	Inc-RMI1-1

A_22_P00003662	2,79781	1,41885	2,600808182	N/A	N/A	N/A	Inc-CDC25C-1
A_22_P00011311	4,46473	3,08612	2,600177299	N/A	101927027	NR_110206	LOC101927027
A_33_P3228375	7,21451	5,83608	2,599852904	ENST00000455854	57510	NM_020750	XPO5
A_21_P0007429	11,5278	10,1497	2,599258286	N/A	N/A	N/A	Inc-RP1-239B22.1.1-1
A_22_P00019713	4,39624	3,01827	2,599024079	N/A	N/A	N/A	Inc-SOX13-1
A_24_P59236	4,45739	3,0797	2,598519706	ENST00000470719	389075	NM_001007089	RESP18
A_23_P149946	2,93579	1,55851	2,597781337	ENST00000459673	92211	NM_033100	CDHR1
A_22_P00007605	6,914	5,53683	2,597583274	N/A	N/A	N/A	Inc-HEATR1-1
A_33_P3422301	3,06218	1,68508	2,597457241	ENST00000617094	56098	NM_032406	PCDHGC4
A_21_P0013580	4,96758	3,59094	2,59662918	N/A	102725126	XR_432424	LOC102725126
A_24_P383523	8,82579	7,44927	2,596413207	ENST00000554335	23034	NM_015589	SAMD4A
A_33_P3260614	7,4801	6,10418	2,595333614	ENST00000558588	5330	NM_004573	PLCB2
A_33_P3282307	2,98236	1,60682	2,594650104	ENST00000381305	105	NM_018702	ADARB2
A_22_P00009778	7,24697	5,87226	2,593157799	ENST00000584649	N/A	N/A	N/A
A_22_P00011087	3,03791	1,66342	2,592762393	ENST00000523538	N/A	N/A	N/A
A_21_P0007020	3,53165	2,15748	2,592187363	ENST00000419373	101927704	NR_121651	MIR3663HG
A_22_P00019777	3,23749	1,86363	2,591630425	N/A	101410544	NR_102712	RMDN2-AS1
A_22_P00020148	5,17419	3,80057	2,59119933	ENST00000433644	N/A	N/A	N/A
A_23_P165624	4,32437	2,95123	2,590337353	ENST00000460812	7130	NM_007115	TNFAIP6
A_24_P115774	12,5824	11,2094	2,590085998	ENST00000613397	329	NM_001166	BIRC2
A_24_P406830	11,9189	10,5462	2,58954746	ENST00000346299	8898	NM_201278	MTMR2
A_23_P17242	5,4808	4,10822	2,589332077	ENST00000489120	84696	NM_032604	ABHD1
A_24_P253723	10,5636	9,19144	2,588578376	ENST00000571091	84981	NR_028502	MIR22HG
A_33_P3250083	3,04571	1,67427	2,587286827	ENST00000413692	4776	NM_001136022	NFATC4
A_23_P14351	2,93357	1,56235	2,586892315	ENST00000280979	9472	NM_004274	AKAP6
A_24_P252043	9,21124	7,84024	2,586497864	ENST00000370651	7803	NM_003463	PTP4A1
A_22_P00022409	2,86219	1,49133	2,586246881	ENST00000442086	N/A	N/A	N/A
A_22_P00024566	2,80827	1,43755	2,585995922	N/A	101927698	NR_110785	DSCAS
A_22_P00009780	3,34602	1,97566	2,585350711	ENST00000553982	101928075	NR_110071	LOC101928075
A_23_P345692	7,51993	6,14981	2,58492066	ENST00000304920	53342	NM_138284	IL17D
A_22_P00005750	2,82327	1,45348	2,584329457	N/A	N/A	N/A	Inc-EN1-1
A_32_P133916	3,04542	1,67577	2,584078684	ENST00000380672	54796	NM_017637	BNC2
A_22_P00004303	3,86775	2,49884	2,582753575	ENST00000430545	N/A	BG432982	N/A

A_24_P101402	15,7273	14,3586	2,582377654	ENST00000421958	10528	NM_006392	NOP56
A_23_P58676	7,53042	6,16198	2,581912305	ENST00000265074	4883	NM_001204375	NPR3
A_23_P132956	8,94623	7,57823	2,581124981	ENST00000472501	7345	NM_004181	UCHL1
A_33_P3420380	2,89419	1,5263	2,580928187	ENST00000397146	80760	NM_001001851	ITIH5
A_24_P219114	5,44606	4,07848	2,580373668	ENST00000336735	6400	NM_005065	SEL1L
A_33_P3231277	12,3823	11,0151	2,579694098	ENST00000337138	3091	NM_181054	HIF1A
A_33_P3234292	3,32059	1,95342	2,579640455	ENST00000481677	51744	NM_001166663	CD244
A_32_P34920	11,5973	10,2309	2,578264008	ENST00000615637	2297	NM_004472	FOXD1
A_23_P134851	3,5679	2,20217	2,577066918	ENST00000522011	9046	NM_003974	DOK2
A_22_P00008989	4,12711	2,76212	2,575745405	ENST00000416349	100509303	XR_112011	LOC100509303
A_21_P0013770	6,59695	5,23204	2,57560258	N/A	N/A	N/A	XLOC_I2_015561
A_32_P113812	4,87065	3,50648	2,574281817	N/A	N/A	N/A	Inc-EIF2D-1
A_23_P162037	10,6359	9,27206	2,573693047	ENST00000472842	406	NM_001030273	ARNTL
A_21_P0012868	4,59531	3,23186	2,572997401	N/A	100128340	XR_427818	LOC100128340
A_22_P00019451	3,12395	1,76063	2,572765561	N/A	N/A	N/A	Inc-FOXJ1-2
A_33_P3340065	3,92307	2,56061	2,571232376	N/A	N/A	N/A	N/A
A_22_P00015061	5,99236	4,63018	2,570733396	N/A	N/A	N/A	Inc-SNRPD1-3
A_23_P74609	13,1115	11,7497	2,570056365	ENST00000367029	50486	NM_015714	G0S2
A_21_P0006472	4,01664	2,65557	2,568756252	N/A	N/A	N/A	Inc-FLNA-1
A_23_P87310	4,51512	3,15435	2,568222149	ENST00000335790	4004	NM_002315	LMO1
A_22_P00002816	3,75556	2,39489	2,56804414	N/A	200772	NR_033841	LOC200772
A_21_P0012481	6,3242	4,96368	2,567777149	ENST00000449350	N/A	XR_108533	N/A
A_24_P472007	2,83996	1,47964	2,567421204	ENST00000252773	23025	NM_001080421	UNC13A
A_21_P0000291	5,08508	3,72476	2,567421204	N/A	26810	NR_002751	SNORD41
A_19_P00317885	3,87286	2,51268	2,567172072	ENST00000455974	N/A	N/A	N/A
A_23_P77304	4,80801	3,44788	2,567083102	ENST00000537735	8120	NM_004644	AP3B2
A_33_P3336113	5,15586	3,79589	2,566798419	ENST00000309880	220359	NM_145719	TIGD3
A_32_P215938	12,5067	11,147	2,566318089	ENST00000291775	26086	NM_001145638	GPSM1
A_22_P00017703	3,01127	1,65184	2,565837848	ENST00000422481	80852	NM_001080423	GRIP2
A_21_P0002789	3,00139	1,64233	2,565179886	ENST00000470024	N/A	N/A	N/A
A_21_P0000799	6,36652	5,00818	2,563900012	N/A	100506054	NR_038430	RNASEH1-AS1
A_32_P67526	3,00735	1,64905	2,563828926	ENST00000295220	200373	NM_001271049	CFAP221
A_21_P0008216	9,93373	8,57613	2,56258525	N/A	N/A	N/A	Inc-ANKRD10-1

A_23_P210763	13,6235	12,2661	2,562230025	ENST00000254958	182	NM_000214	JAG1
A_24_P237036	3,32102	1,96372	2,562052431	ENST00000599359	8740	NM_003807	TNFSF14
A_23_P58706	2,92527	1,56809	2,561839334	ENST00000511106	153218	NM_001040129	SPINK13
A_22_P00008418	3,40786	2,05139	2,560578875	ENST00000427292	N/A	N/A	N/A
A_22_P00021369	2,90436	1,54805	2,560294914	ENST00000457609	N/A	N/A	N/A
A_21_P0005684	3,22727	1,87144	2,559443218	N/A	N/A	N/A	Inc-MAK16-1
A_33_P3224535	3,00907	1,65352	2,558946526	ENST00000333976	219438	NM_001001952	OR5D18
A_21_P0007716	2,88105	1,52561	2,558751424	N/A	N/A	N/A	Inc-AVPR1A-1
A_23_P128993	2,96808	1,61337	2,55745703	ENST00000216338	2999	NM_033423	GZMH
A_22_P00010216	4,0609	2,70626	2,557332944	ENST00000545750	N/A	BX119863	N/A
A_33_P3293164	3,97747	2,62459	2,554215056	ENST00000613166	1113	NM_001275	CHGA
A_33_P3413048	13,0999	11,7471	2,554073424	ENST00000369682	55558	NM_017514	PLXNA3
A_33_P3220406	3,17602	1,82375	2,553135312	N/A	N/A	N/A	N/A
A_22_P00008330	2,93636	1,58436	2,552657538	N/A	100873993	NR_046615	ITIH4-AS1
A_22_P00017773	3,46457	2,11298	2,5519322	ENST00000555428	N/A	BX392580	N/A
A_21_P0010290	3,70383	2,35257	2,551348542	N/A	N/A	N/A	Inc-SIK1-4
A_21_P0009708	3,01222	1,66101	2,55126012	N/A	N/A	N/A	Inc-ZNF507-3
A_24_P270829	3,78384	2,43266	2,551207069	ENST00000611961	2811	DQ890943	GP1BA
A_24_P15325	4,35444	3,00339	2,550977192	N/A	286046	AJ301560	XKR6
A_22_P00023551	2,88083	1,5304	2,549881142	ENST00000447311	153910	NR_027312	LOC153910
A_32_P11450	11,9266	10,5762	2,549828119	ENST00000457640	9790	NM_014753	BMS1
A_33_P3382538	8,72136	7,37097	2,549810445	ENST00000332349	8690	NM_003772	JRKL
A_22_P00018582	2,95797	1,60832	2,548502909	N/A	N/A	DB071456	Inc-CCDC102A-1
A_33_P3363690	3,77527	2,42604	2,547761092	N/A	N/A	N/A	N/A
A_21_P0005409	4,16999	2,82116	2,547054801	N/A	N/A	N/A	Inc-ZKSCAN1-1
A_33_P3310552	7,81612	6,46732	2,547001837	N/A	114793	XM_005246263	FMNL2
A_33_P3262416	4,5638	3,21526	2,546542862	ENST00000440392	89978	NM_001141972	DPH6
A_33_P3402763	12,3522	11,0039	2,546119266	ENST00000285814	84365	NM_032390	NIFK
A_22_P00013879	3,63511	2,28778	2,544407951	ENST00000437634	N/A	N/A	N/A
A_19_P00315780	8,88194	7,53512	2,543508649	ENST00000523995	101929709	XR_108862	LOC101929709
A_33_P3220015	2,94932	1,60266	2,543226581	ENST00000390341	N/A	M27340	N/A
A_24_P16913	6,23059	4,88399	2,543120813	ENST00000376887	10257	NM_005845	ABCC4
A_33_P3333003	2,9433	1,59763	2,541481977	N/A	N/A	N/A	N/A

A_22_P00022888	4,77013	3,42487	2,540759815	ENST00000566904	N/A	N/A	N/A
A_33_P3489737	9,31997	7,97474	2,540706982	ENST00000380985	57486	NM_020726	NLN
A_22_P00022043	3,11483	1,76988	2,540213926	N/A	N/A	N/A	Inc-CTC-241N9.1.1-1
A_22_P00014024	2,83904	1,49436	2,539738571	N/A	N/A	N/A	Inc-RXRG-1
A_33_P3337154	2,71812	1,37361	2,539439318	N/A	102724545	XR_425228	LOC102724545
A_33_P3233731	3,69512	2,35067	2,539333708	N/A	N/A	N/A	N/A
A_33_P3248077	2,99194	1,64757	2,539192901	N/A	N/A	N/A	N/A
A_22_P00015034	2,70815	1,364	2,538805723	N/A	N/A	N/A	Inc-SMYD2-1
A_24_P137461	2,83339	1,48928	2,538735334	ENST00000323830	1370	NM_001080513	CPN2
A_22_P00022272	2,7341	1,39026	2,538260254	ENST00000504578	N/A	N/A	N/A
A_33_P3251073	10,6241	9,28029	2,538207473	ENST00000310991	339456	NM_178545	TMEM52
A_21_P0006892	2,97189	1,62835	2,537732493	N/A	N/A	N/A	Inc-KIF20B-4
A_33_P3345414	8,41386	7,07071	2,537046567	ENST00000373626	6191	N/A	RPS4X
A_33_P3222018	3,27544	1,93277	2,536202605	ENST00000402326	11335	NM_007276	CBX3
A_24_P411573	3,1322	1,78963	2,536026815	ENST00000503807	4888	NR_002713	NPY6R
A_33_P3222424	3,12984	1,7875	2,535622544	ENST00000394148	1440	NM_000759	CSF3
A_22_P00024139	2,83505	1,49316	2,534831765	N/A	N/A	BC030256	Inc-CSPP1-1
A_24_P233786	12,6209	11,2793	2,534322283	ENST00000367511	116496	NM_052966	FAM129A
A_21_P0001349	2,98144	1,64034	2,533444106	N/A	N/A	N/A	Inc-RWDD3-6
A_24_P104091	11,5323	10,1919	2,53221517	ENST00000544096	220064	NM_153451	ORAOV1
A_23_P159191	7,85133	6,51109	2,531934354	ENST00000329402	2520	NM_000805	GAST
A_23_P70398	13,3903	12,0501	2,531864155	ENST00000518538	7422	NM_001025370	VEGFA
A_23_P43684	3,53321	2,19392	2,530267649	ENST00000545497	54796	NM_017637	BNC2
A_19_P00322182	3,04716	1,70815	2,52977662	N/A	N/A	N/A	N/A
A_33_P3214516	3,85209	2,51328	2,529425943	ENST00000390469	N/A	M21784	N/A
A_21_P0010993	6,8245	5,48581	2,52921556	N/A	101929174	XR_424270	LOC101929174
A_24_P312041	6,82517	5,48656	2,529075314	ENST00000417959	5325	NM_006718	PLAGL1
A_21_P0013311	3,10112	1,76259	2,528935076	N/A	N/A	N/A	XLOC_I2_013852
A_23_P413923	2,96135	1,62288	2,528829903	ENST00000325870	63951	NM_022160	DMRTA1
A_23_P70794	10,4603	9,12204	2,528461831	ENST00000317483	51715	NM_016277	RAB23
A_22_P00019514	3,3975	2,05952	2,527971152	N/A	N/A	N/A	Inc-HORMAD2-1
A_33_P3399748	4,82659	3,4888	2,527638245	N/A	79048	AK127655	SECISBP2
A_23_P35045	6,68429	5,34663	2,527410492	ENST00000368013	257106	NM_001025598	ARHGAP30



A_33_P3232066	4,13376	2,79626	2,527130209	ENST00000449509	N/A	N/A	N/A
A_33_P3365644	3,1302	1,79278	2,526990079	N/A	N/A	N/A	N/A
A_23_P208208	6,44672	5,10954	2,526569735	ENST00000354957	65251	NM_023074	ZNF649
A_33_P3846177	8,00194	6,66539	2,525466667	ENST00000552468	2583	NM_001478	B4GALNT1
A_32_P225355	5,27186	3,93628	2,523769233	ENST00000382395	132864	NM_182485	CPEB2
A_23_P210109	5,69817	4,3626	2,52375174	ENST00000001146	56603	NM_019885	CYP26B1
A_33_P3375934	12,5906	11,2552	2,523454371	ENST00000222553	10135	NM_005746	NAMPT
A_21_P0003299	2,90468	1,56934	2,523349425	N/A	102723877	N/A	LOC102723877
A_22_P00009158	2,91731	1,58203	2,523244484	ENST00000525320	N/A	N/A	N/A
A_24_P315444	8,04279	6,70778	2,522772304	ENST00000414124	N/A	N/A	N/A
A_21_P0000592	10,6776	9,34261	2,522737331	N/A	100379132	NR_033335	SNORA70G
A_33_P3555937	3,42296	2,08798	2,522719845	ENST00000301959	79689	NM_001205315	STEAP4
A_33_P3230176	6,42838	5,09372	2,52216035	ENST00000260585	85465	NM_033505	EPT1
A_32_P150735	6,86815	5,53365	2,521880649	N/A	N/A	N/A	N/A
A_33_P3393766	11,5218	10,1873	2,521880649	ENST00000613024	100170841	NM_001130677	C17orf96
A_22_P00004753	3,12237	1,7884	2,520954361	N/A	N/A	AK091930	Inc-CTSL2-2
A_23_P259344	3,34849	2,01454	2,520919413	ENST00000331437	27439	NM_031890	CECR6
A_33_P3241393	2,97567	1,64267	2,51925996	ENST00000346834	57835	NM_133478	SLC4A5
A_33_P3277714	4,10336	2,7706	2,518840902	N/A	60468	XM_006715545	BACH2
A_23_P91390	16,7058	15,3732	2,51856157	ENST00000377103	7056	NM_000361	THBD
A_23_P169092	3,09168	1,75922	2,518317179	ENST00000523954	9420	NM_004820	CYP7B1
A_21_P0012388	2,874	1,54163	2,518160083	N/A	N/A	N/A	XLOC_I2_009811
A_32_P326819	9,72409	8,39182	2,517985543	ENST00000229214	11103	NM_007043	KRR1
A_22_P00010265	4,31888	2,98678	2,517688854	N/A	103752587	NR_125795	FOXC2-AS1
A_21_P0010683	4,10285	2,77147	2,516432675	ENST00000440200	N/A	N/A	N/A
A_22_P00000847	2,98696	1,65578	2,516083847	N/A	728723	NR_024398	ZBED3-AS1
A_21_P0013321	3,08686	1,75588	2,515735068	N/A	N/A	N/A	XLOC_I2_013873
A_21_P0001125	3,28015	1,94925	2,51559557	N/A	N/A	N/A	Inc-MUTYH-1
A_33_P3418294	6,29125	4,96039	2,515525824	ENST00000430092	127602	NM_001373	DNAH14
A_22_P00010017	3,23963	1,90879	2,515490951	ENST00000542763	N/A	N/A	N/A
A_23_P411851	5,136	3,80587	2,514253296	ENST00000334258	161176	NM_152592	SYNE3
A_21_P0001077	9,20241	7,8725	2,513869921	ENST00000449012	101927787	N/A	LOC101927787
A_21_P0004123	4,84389	3,51398	2,513869921	ENST00000506463	101926904	N/A	LINC01265

A_23_P158041	8,89599	7,56645	2,513225285	ENST00000624890	364	NM_001170	AQP7
A_24_P112377	6,13179	4,80225	2,513225285	ENST00000310532	64794	NM_138620	DDX31
A_22_P00021932	5,62998	4,30048	2,513155605	ENST00000440100	N/A	AI425063	N/A
A_24_P289139	8,93534	7,60587	2,513103346	ENST00000477102	30011	NM_001024666	SH3KBP1
A_33_P3313283	7,24806	5,919	2,512389247	ENST00000291495	148113	NM_153221	CILP2
A_21_P0012878	2,94474	1,61579	2,512197695	ENST00000507800	79844	NM_024786	ZDHHC11
A_21_P0001301	3,10279	1,77429	2,511414222	N/A	N/A	N/A	Inc-PRKAA2-7
A_22_P00005439	3,32081	1,99276	2,510630993	N/A	N/A	N/A	Inc-DUOXA1-2
A_23_P134566	3,96236	2,63443	2,510422173	ENST00000315453	401427	NM_001005328	OR2A7
A_22_P00009761	2,99568	1,66792	2,510126375	ENST00000506059	N/A	N/A	N/A
A_21_P0005840	4,70145	3,37418	2,509273975	ENST00000531654	100505532	NR_103854	LINC01301
A_24_P392022	9,2921	7,96529	2,508474026	ENST00000511564	196483	NM_201400	EEF2KMT
A_32_P925529	3,51991	2,19315	2,508387091	ENST00000548895	N/A	N/A	N/A
A_33_P3287418	6,6321	5,30559	2,507952458	N/A	N/A	N/A	N/A
A_22_P00012565	4,65064	3,3242	2,507830774	N/A	729291	XR_242943	LOC729291
A_33_P3335248	11,1271	9,80085	2,50750052	ENST00000461693	10807	NM_001039707	SDCCAG3
A_24_P58894	9,93124	8,60517	2,507187687	ENST00000447491	N/A	N/A	N/A
A_21_P0014746	7,56982	6,24399	2,506770638	N/A	N/A	BC036919	Inc-MTX1-1
A_23_P123732	10,0014	8,67563	2,506666387	ENST00000454393	414328	NM_001001551	IDNK
A_24_P265265	4,69632	3,3712	2,505537273	ENST00000366623	84451	AJ311797	KIAA1804
A_33_P3381087	2,9774	1,65258	2,505016316	ENST00000619238	128817	NM_138283	CSTL1
A_24_P929754	11,6657	10,3409	2,504981589	ENST00000250896	2872	NM_199054	MKNK2
A_33_P3841621	7,21357	5,88888	2,504790601	ENST00000285039	4645	NM_001080467	MYO5B
A_21_P0005186	2,97514	1,65079	2,504200366	N/A	401287	XR_428063	LOC401287
A_22_P00006557	2,73998	1,41565	2,504165651	N/A	N/A	BG197810	Inc-FLRT1-1
A_21_P0007937	3,77791	2,45378	2,503818524	ENST00000420693	N/A	N/A	N/A
A_33_P3399051	3,4621	2,13797	2,503818524	ENST00000332536	80115	NM_025045	BAIAP2L2
A_21_P0003297	8,00346	6,67942	2,503662333	N/A	N/A	N/A	Inc-SLC12A8-1
A_21_P0007731	2,97417	1,65026	2,50343674	N/A	N/A	N/A	Inc-CCDC59-4
A_22_P00018995	2,70711	1,38326	2,503332627	N/A	N/A	N/A	Inc-EPHB3-1
A_22_P00011429	5,84359	4,51977	2,503280572	ENST00000576080	101926896	NR_110901	GLIS2-AS1
A_21_P0000595	11,9733	10,6502	2,502031582	N/A	100379250	NR_033347	SNORA70E
A_22_P00014193	4,08359	2,76071	2,50165007	N/A	104355219	NR_126425	LHX5-AS1

A_23_P121011	8,36514	7,04267	2,500939226	ENST00000514182	64651	NM_033027	CSRNP1
A_23_P252928	13,8496	12,5272	2,500817883	ENST00000393900	4111	NM_005367	MAGEA12
A_23_P356616	10,2919	8,96952	2,500783215	ENST00000435224	25841	NM_145804	ABTB2
A_33_P3236213	3,27949	1,95755	2,50002063	N/A	N/A	N/A	N/A
A_21_P0004085	4,93678	3,61488	2,499951316	ENST00000507681	N/A	N/A	N/A
A_21_P0005174	3,2001	1,8785	2,49943152	N/A	101927664	XR_426098	LOC101927664
A_21_P0005220	3,32332	2,00206	2,498842548	ENST00000446484	N/A	N/A	N/A
A_19_P00320622	5,48495	4,16415	2,498045925	ENST00000450963	102724827	NR_110543	MIATNB
A_32_P230828	15,2927	13,9721	2,497699646	ENST00000432536	60674	NR_002578	GAS5
A_33_P3339336	8,46024	7,1399	2,497249555	N/A	653113	N/A	FAM86FP
A_33_P3238323	11,6699	10,3498	2,496834159	ENST00000621487	10616	NM_031229	RBCK1
A_22_P00017679	2,93726	1,61733	2,496539962	N/A	N/A	N/A	Inc-WWC2-1
A_21_P0004068	3,1077	1,78802	2,496107382	N/A	N/A	N/A	Inc-KIAA0141-1
A_32_P63848	11,7667	10,4471	2,495968972	ENST00000196371	5019	NM_000436	OXCT1
A_21_P0010401	3,73876	2,41941	2,495536491	N/A	N/A	N/A	Inc-CRYBA4-1
A_21_P0012395	3,25646	1,93715	2,495467301	ENST00000507516	646300	N/A	COL6A4P2
A_22_P00017789	2,82622	1,50713	2,495086791	ENST00000497896	N/A	N/A	N/A
A_21_P0001400	2,84423	1,52549	2,494481552	N/A	N/A	N/A	Inc-SWT1-1
A_23_P424878	8,18855	6,86983	2,494446972	ENST00000276826	80728	NM_025251	ARHGAP39
A_22_P00025615	3,63078	2,31245	2,493772745	ENST00000582755	N/A	DB031156	N/A
A_33_P3304377	6,72993	5,41169	2,493617181	ENST00000514369	4552	NM_002454	MTRR
A_33_P3410026	2,9346	1,61656	2,493271516	ENST00000533147	N/A	DC374116	N/A
A_22_P00004495	3,88158	2,56363	2,493115982	ENST00000454444	N/A	N/A	N/A
A_19_P00319929	3,92021	2,60266	2,49242484	ENST00000565936	101928752	XR_245846	LINC01043
A_23_P302302	2,96982	1,65241	2,492182985	ENST00000601556	732275	NR_024406	LINC00917
A_22_P00002955	2,9514	1,63515	2,490179949	N/A	100874002	NR_046635	OXCT1-AS1
A_23_P96599	4,64649	3,33035	2,489990089	ENST00000569577	286527	NM_194324	TMSB15B
A_21_P0013026	4,61136	3,29608	2,488506232	N/A	N/A	N/A	XLOC_I2_012578
A_23_P408376	7,40433	6,0891	2,488419988	ENST00000369209	259217	NM_025015	HSPA12A
A_23_P161563	12,7045	11,3895	2,488023307	ENST00000243662	23682	NM_022337	RAB38
A_23_P500614	9,15757	7,84283	2,48757496	ENST00000417814	943	NM_001243	TNFRSF8
A_21_P0006566	7,5427	6,22817	2,487212892	N/A	N/A	N/A	Inc-RAB40AL-1
A_23_P356554	9,83365	8,51935	2,486816403	ENST00000370693	9532	NM_004282	BAG2

A_23_P125668	11,967	10,6528	2,486644036	ENST00000488158	203427	NM_145305	SLC25A43
A_33_P3274319	7,08036	5,76634	2,486333805	ENST00000470931	339456	NM_178545	TMEM52
A_22_P00022395	10,8196	9,50632	2,48505882	ENST00000336095	11237	BX647619	RNF24
A_19_P00316110	7,74163	6,42838	2,485007145	ENST00000427188	N/A	XR_425284	N/A
A_32_P183609	10,41	9,09676	2,48498992	ENST00000264607	51665	NM_001040445	ASB1
A_22_P00013436	2,95781	1,64471	2,484748787	N/A	101927227	XR_243354	LOC101927227
A_22_P00011076	2,91143	1,59845	2,48454212	N/A	N/A	N/A	Inc-NUBPL-1
A_33_P3355688	3,51032	2,19739	2,484456014	N/A	N/A	AK124375	Inc-SNX20-2
A_23_P166051	12,9287	11,616	2,484059964	ENST00000356286	10616	NM_031229	RBCK1
A_23_P133438	9,39333	8,08127	2,482958244	ENST00000274217	54491	NM_019018	FAM105A
A_21_P0000841	9,64982	8,3379	2,482717308	N/A	100505483	N/A	PRKAG2-AS1
A_33_P3231814	8,45307	7,14139	2,482304329	ENST00000609777	N/A	N/A	N/A
A_23_P309865	8,42662	7,11504	2,482132275	ENST00000339249	203523	NM_152695	ZNF449
A_32_P840463	8,71947	7,40794	2,482046252	ENST00000478381	100652748	NM_001290117	TIMM23B
A_22_P00006635	3,86587	2,5546	2,481598983	N/A	N/A	BM906498	Inc-FOXO4L3-4
A_23_P124946	4,52031	3,20982	2,480257657	ENST00000446378	202333	NM_153610	CMYA5
A_33_P3279371	3,41631	2,10589	2,480137317	N/A	N/A	N/A	Inc-CLIC6-1
A_23_P31273	3,1268	1,81645	2,480016983	ENST00000356264	273	NM_001635	AMPH
A_22_P00007369	2,71356	1,40421	2,478298562	N/A	100506915	NR_103776	CHRM3-AS2
A_23_P59950	12,9311	11,622	2,477869142	ENST00000359741	23516	NM_015359	SLC39A14
A_23_P32006	2,82905	1,5201	2,477611527	ENST00000318763	286365	NM_001004484	OR13D1
A_23_P50928	2,89452	1,58598	2,476907513	ENST00000272520	165257	NM_182528	C1QL2
A_22_P00007943	2,96392	1,65544	2,476804504	N/A	N/A	N/A	Inc-IAH1-1
A_22_P00019203	2,85538	1,54696	2,476701499	ENST00000568286	N/A	BX119496	N/A
A_22_P00015107	5,96949	4,66113	2,476598498	ENST00000439046	N/A	N/A	N/A
A_23_P157865	2,77348	1,4658	2,475431453	ENST00000350763	3371	NM_002160	TNC
A_22_P00008809	2,79674	1,4895	2,474676599	N/A	N/A	N/A	Inc-KLF11-1
A_24_P25234	5,42033	4,11312	2,47462514	ENST00000443940	9633	NM_001039656	MTL5
A_21_P0007076	3,22843	1,92145	2,474230657	N/A	N/A	N/A	Inc-ADD3-2
A_23_P49181	3,10612	1,79964	2,473373303	ENST00000409037	26231	NM_012163	LRRC29
A_33_P3280521	5,65306	4,34674	2,473099012	ENST00000361618	9848	NM_021647	MFAP3L
A_21_P0008807	9,53722	8,23143	2,472190641	N/A	N/A	N/A	Inc-OR4M2-7
A_21_P0001849	3,14624	1,84048	2,472139234	ENST00000424364	285045	NR_027099	LINC00486

A_22_P00011759	7,82999	6,52432	2,471985019	N/A	N/A	N/A	Inc-PEX7-2
A_24_P238131	2,72125	1,41562	2,471916482	ENST00000309558	26032	NM_015551	SUSD5
A_22_P00024712	2,70444	1,39886	2,471830813	ENST00000542980	N/A	N/A	N/A
A_21_P0009669	3,38704	2,08175	2,471333994	N/A	N/A	N/A	Inc-ZNF682-1
A_22_P00016741	7,93191	6,62735	2,470083821	N/A	N/A	N/A	Inc-TRH-2
A_22_P00014703	2,84522	1,54132	2,468954073	ENST00000521021	N/A	N/A	N/A
A_22_P00016901	3,26875	1,9654	2,468013011	ENST00000454600	101927700	NR_110038	LINC01524
A_33_P3290303	8,17984	6,87697	2,467192013	N/A	N/A	AK129701	N/A
A_24_P410797	6,11227	4,80952	2,466986806	ENST00000393496	8997	AK125979	KALRN
A_21_P0001225	5,58996	4,28735	2,46674742	ENST00000433576	N/A	N/A	N/A
A_24_P102920	6,38564	5,08343	2,466063587	ENST00000409658	55339	NM_001006622	WDR33
A_33_P3361758	6,7881	5,48638	2,46522615	ENST00000299338	196951	NM_152647	FAM227B
A_22_P00006810	3,4626	2,16121	2,464662323	N/A	N/A	XM_003846298	Inc-GABPA-4
A_23_P148255	15,0549	13,7536	2,464508574	ENST00000595583	266740	NM_153488	MAGEA2B
A_21_P0001015	7,0485	5,74747	2,464047385	ENST00000617309	N/A	N/A	N/A
A_24_P37409	7,1057	5,80484	2,463757051	ENST00000488952	1844	NM_004418	DUSP2
A_21_P0011741	7,53842	6,23769	2,463535054	N/A	N/A	N/A	XLOC_I2_007033
A_32_P194264	9,22763	7,9271	2,463193559	ENST00000295304	494143	NM_001008708	CHAC2
A_24_P409881	14,6214	13,3209	2,463142339	ENST00000549457	N/A	N/A	N/A
A_22_P00021244	3,35684	2,05653	2,462817969	ENST00000415883	N/A	N/A	N/A
A_33_P3226192	3,23308	1,93297	2,462476574	ENST00000621098	10002	NM_016346	NR2E3
A_23_P433798	6,54538	5,24585	2,461486795	ENST00000538371	79883	NM_024825	PODNL1
A_22_P00014721	2,7347	1,43552	2,460889707	N/A	N/A	DB452883	Inc-SLC29A4-1
A_22_P00016177	4,53077	3,23168	2,460736193	N/A	101928631	XR_248515	LOC101928631
A_33_P3282698	3,36095	2,06193	2,460616801	ENST00000492538	2781	N/A	GNAZ
A_33_P3212415	3,06287	1,7642	2,460019924	N/A	N/A	AX721058	N/A
A_23_P353744	10,2009	8,90228	2,459934667	ENST00000432347	55132	NM_032239	LARP1B
A_24_P374319	9,26405	7,96603	2,458911822	ENST00000342983	57826	NM_021183	RAP2C
A_33_P3576853	4,74305	3,44504	2,458894778	N/A	254128	NR_037857	NIFK-AS1
A_23_P122863	11,9017	10,6039	2,458536885	ENST00000402497	2887	NM_001001555	GRB10
A_23_P404481	6,90464	5,60745	2,457497587	ENST00000305352	1901	NM_001400	S1PR1
A_23_P416034	7,2982	6,00108	2,457378351	ENST00000490453	55559	NM_017518	HAUS7
A_21_P0013398	3,68765	2,39065	2,457173961	ENST00000453378	N/A	N/A	N/A

A_21_P0007572	7,17923	5,88244	2,456816318	N/A	N/A	N/A	Inc-MSRB3-2
A_24_P191312	5,84858	4,55229	2,455964998	ENST00000480594	6509	NM_003038	SLC1A4
A_21_P0012302	2,74664	1,45097	2,454909771	N/A	N/A	N/A	XLOC_I2_009578
A_23_P58869	3,27701	1,98148	2,454671557	ENST00000405166	442245	NR_002932	GSTM2P1
A_23_P156632	3,66435	2,36914	2,454127153	ENST00000259883	84547	NM_032507	PGBD1
A_33_P3353552	11,8122	10,5172	2,453769955	ENST00000442218	55652	NM_017842	SLC48A1
A_21_P0014442	8,00884	6,71397	2,453548857	N/A	100507306	XR_251642	LOC100507306
A_19_P00321259	11,5789	10,2849	2,45206972	ENST00000423943	100505633	N/A	LINC01133
A_33_P3415300	3,47798	2,18416	2,451763803	ENST00000393745	10814	NM_006650	CPLX2
A_22_P00004305	2,72001	1,42666	2,4509652	N/A	N/A	N/A	Inc-CNTLN-3
A_21_P0014689	3,10211	1,80881	2,450880257	N/A	100506974	XR_111668	LOC100506974
A_33_P3286722	2,70365	1,41038	2,450829293	N/A	390660	NR_045529	ADAMTS7P1
A_22_P00018892	3,13115	1,83791	2,45077833	N/A	N/A	N/A	Inc-IQSEC3-1
A_23_P502553	9,88696	8,59379	2,45065942	ENST00000305364	23087	NM_171982	TRIM35
A_24_P124624	6,25039	4,95728	2,450557502	ENST00000309539	4973	NM_002543	OLR1
A_33_P3403018	6,60772	5,31463	2,450523531	ENST00000334269	254910	NM_178438	LCE5A
A_23_P86822	11,9	10,6073	2,449861177	ENST00000325486	9702	NM_014679	CEP57
A_33_P6805542	12,7101	11,4174	2,449861177	N/A	N/A	BC038733	Inc-SERPINC1-1
A_21_P0002078	2,91515	1,62275	2,449351795	ENST00000431897	N/A	N/A	N/A
A_22_P00023593	2,94769	1,65545	2,449080168	N/A	102724919	NR_126002	LOC102724919
A_23_P81770	13,8652	12,5731	2,44884252	ENST00000370651	7803	NM_003463	PTP4A1
A_23_P121064	7,82715	6,53543	2,44819759	ENST00000295927	5806	NM_002852	PTX3
A_22_P00018049	4,89133	3,6004	2,446857357	N/A	100128881	NR_036480	VPS9D1-AS1
A_24_P212565	9,80409	8,51317	2,446840397	ENST00000521069	N/A	N/A	N/A
A_23_P106371	6,46696	5,17612	2,446704719	ENST00000290438	342096	NM_001038640	GOLGA6A
A_21_P0011894	3,25783	1,96716	2,446416428	N/A	N/A	N/A	XLOC_I2_007834
A_22_P00022536	4,72225	3,43188	2,445907763	N/A	N/A	N/A	Inc-CLIC3-1
A_23_P20392	7,4469	6,15656	2,445856903	ENST00000440756	23362	NM_015310	PSD3
A_21_P0006536	4,31455	3,02428	2,445738232	N/A	N/A	N/A	Inc-ARHGEF9-1
A_33_P3342598	4,87747	3,58784	2,444653508	ENST00000395578	5593	NM_006259	PRKG2
A_21_P0013643	10,7862	9,497	2,44392498	N/A	441432	NR_026558	AQP7P3
A_22_P00018173	3,11218	1,82326	2,443450706	ENST00000561778	N/A	BC041906	N/A
A_23_P144916	6,65817	5,36949	2,443044259	ENST00000253778	9945	NM_005110	GFPT2

A_33_P3309725	3,81526	2,52661	2,442993458	ENST00000415205	388906	N/A	OGFRP1
A_33_P3381513	4,31373	3,02511	2,442942657	ENST00000492923	29126	NM_014143	CD274
A_23_P143143	3,61936	2,33097	2,442553225	ENST00000331129	3398	NM_002166	ID2
A_21_P0001809	3,47205	2,18372	2,442451644	ENST00000444079	N/A	N/A	N/A
A_23_P425066	9,72759	8,43927	2,442434715	ENST00000398215	1415	NM_000496	CRYBB2
A_22_P00001240	7,86213	6,57385	2,442366997	ENST00000426283	N/A	BG185246	N/A
A_24_P926783	6,22186	4,93365	2,442248495	ENST00000422689	400713	NM_001145434	ZNF880
A_21_P0004352	3,16327	1,87511	2,442163855	N/A	N/A	N/A	Inc-IRX4-2
A_21_P0000268	4,91098	3,62287	2,442079217	ENST00000477403	26779	NR_002584	SNORA69
A_22_P00010112	2,70232	1,4144	2,441757622	ENST00000534640	494141	N/A	LOC494141
A_23_P70818	3,23168	1,94403	2,44130069	ENST00000249373	6608	NM_005631	SMO
A_19_P00801821	13,8235	12,536	2,441046876	ENST00000447491	N/A	N/A	N/A
A_33_P3378630	3,0797	1,79236	2,440776171	N/A	100131195	AK097743	LOC100131195
A_33_P3239185	11,8604	10,5732	2,440539328	ENST00000263846	9066	NM_001252065	SYT7
A_23_P380881	7,45191	6,16472	2,440522411	ENST00000614878	124930	NM_152345	ANKRD13B
A_24_P127691	6,73575	5,4488	2,440116451	ENST00000495456	127602	XM_006711735	DNAH14
A_24_P943301	7,96694	6,68008	2,439964233	ENST00000292357	375033	NM_001080471	PEAR1
A_33_P3293254	3,40141	2,11511	2,439017315	ENST00000616132	26086	NM_015597	GPSM1
A_23_P169003	7,4456	6,15945	2,438763738	ENST00000519207	63898	NM_022071	SH2D4A
A_22_P00004147	2,89155	1,60559	2,438442579	ENST00000572466	N/A	N/A	N/A
A_21_P0006956	2,74604	1,46012	2,438374972	N/A	N/A	N/A	Inc-KLF6-7
A_24_P170983	7,34027	6,05437	2,438341169	ENST00000612395	339768	NM_194312	ESPNL
A_33_P3355937	3,43843	2,15282	2,437851081	ENST00000584120	284276	NR_015417	LINC00908
A_32_P141488	5,45704	4,17154	2,437665211	N/A	N/A	N/A	XLOC_I2_009859
A_33_P3383531	2,89558	1,61012	2,437597626	N/A	N/A	N/A	N/A
A_33_P3303617	3,23205	1,9469	2,437073902	N/A	N/A	AF090909	N/A
A_33_P3249274	2,91123	1,6261	2,437040117	N/A	100127967	NR_126005	KRT73-AS1
A_22_P00002083	6,23157	4,94647	2,436989441	N/A	101928942	NR_125908	LOC101928942
A_21_P0006553	4,95895	3,67399	2,436752965	N/A	N/A	N/A	Inc-CD99L2-2
A_33_P3299416	8,08487	6,80027	2,436144991	ENST00000293662	160622	NM_181711	GRASP
A_21_P0014704	5,11803	3,83355	2,435942366	N/A	N/A	N/A	N/A
A_22_P00024422	3,45883	2,17445	2,435773526	N/A	101928047	XR_249939	LOC101928047
A_22_P00001865	3,29511	2,0111	2,435148916	ENST00000427745	N/A	N/A	N/A

A_21_P0005063	2,72022	1,43683	2,434102633	N/A	N/A	N/A	Inc-TXLNB-2
A_21_P0005923	8,44468	7,16142	2,433883308	N/A	100506990	NR_040092	LOC100506990
A_33_P3306307	4,43769	3,15453	2,43371461	ENST00000335552	353288	NM_181539	KRT26
A_23_P5370	2,63233	1,34925	2,43357966	ENST00000325926	56475	NM_019845	RPRM
A_22_P00015140	7,56804	6,28497	2,433562792	ENST00000584919	101927481	NR_126336	LOC101927481
A_23_P410469	2,88012	1,59707	2,433529055	N/A	197003	NR_026897	MGC15885
A_23_P94216	9,58647	8,30443	2,43182599	ENST00000526680	91694	NM_152271	LONRF1
A_21_P0012150	3,394	2,11224	2,431354064	ENST00000445984	149773	NR_034147	APCDD1L-AS1
A_21_P0010497	3,16213	1,88079	2,430646347	N/A	100316868	NR_037843	HOTTIP
A_22_P00008305	3,43523	2,15405	2,430376794	N/A	N/A	N/A	Inc-ITGAX-1
A_33_P3233135	8,62758	7,34664	2,429972522	ENST00000408042	55614	NM_001199866	KIF16B
A_24_P332647	8,73596	7,45546	2,42923153	ENST00000326470	54434	NM_001161331	SSH1
A_23_P51217	2,86399	1,5845	2,427531472	ENST00000234701	1179	NM_001285	CLCA1
A_33_P3275350	7,51439	6,23573	2,426135286	ENST00000372398	23413	NM_014286	NCS1
A_23_P153461	8,22645	6,94796	2,425849419	ENST00000591608	64748	NM_022737	LPPR2
A_24_P927189	8,81274	7,5344	2,425597211	ENST00000285083	92106	NM_138381	OXNAD1
A_22_P00008145	6,26988	4,99201	2,424807131	N/A	N/A	N/A	Inc-IL6-2
A_23_P167298	4,03501	2,75736	2,424437395	ENST00000477187	84103	NM_032149	C4orf17
A_21_P0008575	3,47368	2,19639	2,423832493	N/A	N/A	N/A	Inc-ALDH1A3-1
A_24_P128727	6,25816	4,98129	2,423126965	ENST00000456741	N/A	AF359419	N/A
A_32_P928190	2,83533	1,55879	2,422572766	ENST00000519537	100130964	NR_046245	LOC100130964
A_21_P0000864	2,70304	1,42651	2,422555974	ENST00000419957	100507489	NR_038987	LINC01277
A_23_P347048	8,84627	7,56982	2,422421643	ENST00000247225	81537	NM_030791	SGPP1
A_23_P404005	13,5171	12,2407	2,422337689	ENST00000621629	92002	NM_152274	FAM58A
A_19_P00320047	5,69949	4,42387	2,421028395	N/A	N/A	N/A	Inc-AC069257.9.1-4
A_33_P3398195	6,21768	4,94209	2,420978052	ENST00000250366	284366	NM_012315	KLK9
A_23_P397238	9,77754	8,50284	2,419485008	ENST00000381719	2280	NM_054014	FKBP1A
A_33_P3294302	3,62896	2,35465	2,418831044	ENST00000266671	22822	N/A	PHLDA1
A_33_P3362601	7,11127	5,8372	2,418428692	N/A	N/A	N/A	N/A
A_33_P3306894	6,10904	4,8353	2,417875567	ENST00000265654	25758	NM_012194	KIAA1549L
A_22_P00016107	5,60923	4,33576	2,417423105	N/A	N/A	N/A	Inc-THSD4-4
A_23_P85140	6,11262	4,83958	2,416702691	ENST00000372780	140597	NM_080390	TCEAL2
A_32_P230148	5,3722	4,10008	2,415162062	ENST00000415530	N/A	N/A	N/A



A_33_P3257856	7,19851	5,92773	2,412919859	ENST00000620116	115560	NM_001258280	ZNF501
A_33_P3407414	8,22259	6,95199	2,412618827	N/A	92249	NR_015353	LINC01278
A_22_P00018786	2,97832	1,70783	2,412434881	N/A	N/A	N/A	Inc-RP1-241P17.4.1-2
A_22_P00021140	3,07651	1,8061	2,412301111	N/A	101927082	XR_426022	LOC101927082
A_33_P3372389	4,26575	2,99568	2,411732671	ENST00000466897	261734	NM_015102	NPHP4
A_33_P3482249	4,80852	3,53849	2,411665804	N/A	619427	AL834492	LOC619427
A_23_P387000	5,86094	4,59129	2,411030665	N/A	286046	NM_173683	XKR6
A_21_P0008989	3,33288	2,06324	2,411013953	ENST00000569740	102724344	N/A	LOC102724344
A_33_P3355708	4,0918	2,82227	2,410830129	ENST00000410013	400258	NM_001286400	C14orf180
A_22_P00014325	10,8461	9,57669	2,41062961	ENST00000425771	N/A	N/A	N/A
A_33_P3411279	3,06477	1,79555	2,410312156	ENST00000489833	1589	NM_001128590	CYP21A2
A_33_P3262012	10,496	9,22693	2,410061564	N/A	N/A	N/A	N/A
A_23_P11279	11,0652	9,79614	2,410044859	ENST00000482742	79868	NM_018466	ALG13
A_33_P3303577	9,0603	7,79146	2,409677373	ENST00000355083	375346	NM_198563	TMEM110
A_21_P0007630	2,78418	1,51588	2,408775601	ENST00000547819	N/A	N/A	N/A
A_23_P717	8,38649	7,11828	2,408625339	ENST00000535273	55248	NM_018252	TMEM206
A_33_P3355386	6,27515	5,00701	2,408508474	ENST00000395385	163223	NM_001001411	ZNF676
A_33_P3271470	8,31304	7,04541	2,407657205	ENST00000578368	80000	NM_001142966	GREB1L
A_22_P00009292	3,56732	2,29981	2,40745695	ENST00000525328	N/A	N/A	N/A
A_24_P224998	9,64878	8,38138	2,407273397	N/A	N/A	N/A	N/A
A_22_P00002173	3,0071	1,73985	2,407023121	N/A	N/A	N/A	Inc-BTBD10-5
A_21_P0000697	5,75597	4,48884	2,406822919	N/A	100505912	N/A	LOC100505912
A_21_P0012776	6,65093	5,38382	2,406789554	N/A	N/A	N/A	XLOC_I2_011118
A_23_P217319	7,18119	5,91414	2,40668946	ENST00000441825	2258	NM_004114	FGF13
A_21_P0012375	4,18168	2,91492	2,406205734	N/A	N/A	N/A	XLOC_I2_009668
A_21_P0010480	9,63731	8,37075	2,405872186	N/A	N/A	N/A	Inc-SMC1B-3
A_23_P255653	9,93145	8,66564	2,404621793	ENST00000613472	8797	NM_003844	TNFRSF10A
A_21_P0006428	2,90827	1,64266	2,404288465	ENST00000443247	101928128	N/A	LOC101928128
A_22_P00017097	2,69824	1,43298	2,403705252	N/A	N/A	AI950358	Inc-TYMS-4
A_23_P68234	3,3635	2,09831	2,403588626	ENST00000394705	10936	NM_006794	GPR75
A_24_P580698	3,01547	1,7506	2,403055552	N/A	389895	NM_001271560	LOC389895
A_23_P50897	12,3071	11,0428	2,402106307	ENST00000285814	84365	NM_032390	NIFK
A_22_P00003494	2,71193	1,44789	2,401673443	ENST00000456440	N/A	N/A	N/A

A_23_P348264	10,8548	9,59109	2,40112415	ENST00000526075	137994	NM_144652	LETM2
A_23_P46673	5,59747	4,33388	2,400924438	ENST00000423476	N/A	DM107643	N/A
A_24_P288754	10,1297	8,8665	2,400275491	ENST00000333590	5277	NM_002641	PIGA
A_23_P252556	2,85769	1,59511	2,399244191	ENST00000370598	577	NM_001704	BAI3
A_22_P00017348	7,95935	6,69714	2,398628949	N/A	N/A	AI088302	Inc-USP7-1
A_22_P00017538	3,03124	1,76969	2,397531882	ENST00000433388	N/A	N/A	N/A
A_22_P00012405	2,74312	1,4817	2,397315852	ENST00000548665	N/A	N/A	N/A
A_23_P117662	3,08232	1,82097	2,397199536	ENST00000267845	3067	NM_002112	HDC
A_33_P3378935	5,05327	3,79197	2,397116457	N/A	10432	AB209007	RBM14
A_21_P0007662	3,96952	2,70862	2,396451928	N/A	N/A	N/A	Inc-TMEM132C-7
A_22_P00007113	3,35241	2,09158	2,396335654	ENST00000569460	N/A	BX641171	N/A
A_21_P0000470	7,73144	6,47062	2,396319044	N/A	100113393	NR_003695	SNORD12B
A_33_P3334308	11,1522	9,89139	2,396302434	ENST00000374888	158586	NM_007157	ZXDB
A_22_P00017412	4,41608	3,15534	2,396186167	ENST00000533822	253264	NR_038223	ZNF503-AS1
A_22_P00015862	3,0452	1,78467	2,395837402	N/A	N/A	N/A	Inc-TBL1Y-3
A_21_P0012767	7,62805	6,36759	2,395721158	ENST00000511488	N/A	N/A	N/A
A_21_P0011070	7,9271	6,66769	2,393978175	ENST00000540968	100506691	XR_158873	LOC100506691
A_21_P0002448	3,54404	2,28467	2,393911801	N/A	N/A	N/A	Inc-TMEM17-1
A_23_P67151	4,24657	2,98734	2,393679506	ENST00000264833	93145	AF131839	OLFM2
A_33_P3601802	3,13984	1,88069	2,393546776	N/A	6218	CD049182	RPS17
A_19_P00811430	3,00754	1,74863	2,393148629	N/A	N/A	N/A	Inc-SNURF-1
A_23_P125078	6,97367	5,71503	2,392700794	ENST00000411502	284129	NM_173626	SLC26A11
A_23_P64854	4,11175	2,85349	2,39207065	ENST00000252245	9119	NM_004693	KRT75
A_22_P00023503	2,7198	1,46205	2,39122519	N/A	101929415	NR_125813	LOC101929415
A_33_P3364205	10,4831	9,22592	2,390280618	ENST00000415772	155370	NR_001588	SBDSP1
A_21_P0000850	2,69473	1,4376	2,390197779	N/A	100506343	NR_038951	FAM212B-AS1
A_33_P3383816	4,35084	3,09382	2,390015542	ENST00000580048	400657	NR_024484	LINC00909
A_23_P151159	9,81519	8,55831	2,389783625	ENST00000312777	84260	NM_032300	TCHP
A_21_P0013532	6,87553	5,61868	2,389733931	N/A	N/A	N/A	XL0C_I2_014098
A_22_P00007296	2,86769	1,61085	2,389717367	ENST00000492975	N/A	N/A	N/A
A_32_P230825	15,0608	13,8043	2,389154248	N/A	N/A	N/A	N/A
A_23_P43800	11,6735	10,4171	2,388988651	ENST00000569669	23246	NM_015201	BOP1
A_23_P217135	10,9862	9,72995	2,388740275	ENST00000370251	10838	NM_001080485	ZNF275

A_21_P0010754	3,9611	2,70522	2,388127727	ENST00000611860	645354	NR_111945	LOC645354
A_22_P00014378	4,54599	3,2905	2,387482238	N/A	N/A	N/A	Inc-SETDB1-1
A_33_P3355454	3,21203	1,95654	2,387482238	N/A	N/A	N/A	Inc-ZNF133-2
A_23_P124024	11,6426	10,3874	2,387002372	ENST00000503112	84246	NM_032286	MED10
A_22_P00005797	3,30715	2,05224	2,386522602	N/A	N/A	N/A	Inc-EPCAM-3
A_23_P56703	8,53554	7,2807	2,38640681	ENST00000335459	129293	NM_001277053	TRABD2A
A_33_P3209894	9,61403	8,35931	2,386208323	ENST00000428076	N/A	N/A	N/A
A_33_P3267186	8,54824	7,29388	2,38561296	ENST00000428670	490	NM_001682	ATP2B1
A_22_P00014029	2,77621	1,52225	2,384951619	ENST00000608654	285286	N/A	LINC00877
A_33_P3401342	2,8489	1,59503	2,384802842	N/A	N/A	BC041075	Inc-TCL1B-1
A_23_P433785	9,34912	8,09536	2,384621017	ENST00000552456	5026	NM_002561	P2RX5
A_33_P3300152	4,27541	3,0218	2,384373096	N/A	N/A	AK000041	N/A
A_22_P00020299	2,73007	1,47684	2,383745145	N/A	N/A	N/A	Inc-S100A13-1
A_23_P126103	11,4305	10,1773	2,383695577	ENST00000370938	1491	NM_001902	CTH
A_21_P0006517	4,34379	3,0906	2,383679054	N/A	N/A	N/A	Inc-FAM127A-1
A_33_P3373573	3,00937	1,75635	2,38339819	N/A	N/A	N/A	Inc-UBXN4-2
A_21_P0011533	7,32561	6,07282	2,38301825	ENST00000536958	N/A	N/A	N/A
A_33_P3223208	6,9306	5,67822	2,382341115	ENST00000397807	51134	NM_016122	CEP83
A_32_P167904	5,16287	3,91062	2,382126454	ENST00000402377	148213	NM_138286	ZNF681
A_19_P00807411	4,72425	3,47205	2,382043897	ENST00000389100	285671	NM_001113561	RNF180
A_21_P0011284	6,29356	5,04155	2,381730208	ENST00000556075	96610	NR_027293	BMS1P20
A_22_P00025397	2,89253	1,64104	2,3808719	N/A	N/A	BI830485	Inc-OR1Q1-1
A_22_P00003088	3,48751	2,23631	2,380393362	N/A	N/A	N/A	Inc-C8orf74-1
A_33_P3386099	3,92773	2,67689	2,37979945	ENST00000343894	2002	NM_001257168	ELK1
A_33_P3242251	2,68332	1,43257	2,379650995	ENST00000412473	N/A	N/A	N/A
A_23_P115726	5,26023	4,0096	2,379453069	ENST00000395347	220963	NM_194298	SLC16A9
A_21_P0003718	4,12807	2,87751	2,37933762	N/A	N/A	N/A	ic-RP11-1396O13.13.1-
A_33_P3242543	4,11862	2,86853	2,378562608	ENST00000338702	4128	NM_001270458	MAOA
A_21_P0000641	7,00543	5,7556	2,378133986	N/A	387723	N/A	LINC00959
A_22_P00009392	2,9762	1,72644	2,378018601	N/A	N/A	N/A	Inc-LSS-1
A_22_P00010927	4,69606	3,44658	2,377557117	N/A	N/A	N/A	Inc-NR2C1-1
A_32_P132396	5,90237	4,65291	2,377524157	ENST00000486431	100125556	NR_024251	FAM86JP
A_33_P3360271	3,05997	1,81059	2,377392323	ENST00000308618	344191	NM_001080458	EVX2

A_22_P00015128	4,06026	2,81136	2,376601471	N/A	N/A	AW027896	Inc-SNX33-1
A_22_P00023663	8,01197	6,76308	2,376584998	ENST00000300413	6632	N/A	SNRPD1
A_33_P3231493	2,73749	1,48873	2,376370855	ENST00000600605	N/A	N/A	N/A
A_19_P00321284	6,05799	4,80933	2,376206144	ENST00000440496	100287765	N/A	LINC00630
A_23_P384635	5,98165	4,73319	2,375876754	ENST00000327532	199221	NM_173543	DZIP1L
A_33_P3310744	3,05386	1,80543	2,37582735	ENST00000401095	100287898	NM_001242672	TTC34
A_21_P0012342	3,62641	2,37856	2,374872399	ENST00000462210	5297	N/A	PI4KA
A_21_P0002048	2,72971	1,48231	2,374131753	ENST00000427020	400952	XR_425396	LINC01121
A_21_P0014359	4,09841	2,85107	2,374033018	ENST00000581944	N/A	BQ934520	N/A
A_22_P00007078	6,98317	5,73593	2,373868468	N/A	N/A	DA381791	Inc-GLIPR1-3
A_21_P0000509	15,6305	14,3835	2,373473595	N/A	100170228	NR_024244	SNAR-G2
A_33_P3351120	9,28505	8,03812	2,373358436	ENST00000525265	7296	NM_001261445	TXNRD1
A_22_P00016847	2,91028	1,66353	2,373062339	N/A	N/A	N/A	Inc-TRPC5-1
A_22_P00016017	8,06807	6,82137	2,372980097	N/A	101928117	XR_426247	LOC101928117
A_21_P0010773	8,17394	6,92825	2,371319405	ENST00000623201	644316	NR_033856	FLJ43315
A_33_P3280875	5,75049	4,50483	2,371270096	ENST00000367497	10625	NM_006469	IVNS1ABP
A_24_P9346	3,13683	1,89118	2,371253659	ENST00000414753	8831	NM_006772	SYNGAP1
A_24_P261750	2,68671	1,44112	2,371155044	ENST00000266719	11081	NM_007035	KERA
A_22_P00022773	3,23551	1,98992	2,371155044	N/A	N/A	AI963919	Inc-IL3-1
A_23_P61580	7,84879	6,60342	2,370793488	ENST00000377304	221078	NM_182543	NSUN6
A_22_P00018121	4,13905	2,89383	2,370547005	N/A	400710	NR_027257	FLJ26850
A_23_P156017	12,7004	11,4554	2,370185542	ENST00000265070	64083	NM_022130	GOLPH3
A_33_P3328087	2,74906	1,50497	2,368690986	N/A	N/A	AF130075	N/A
A_21_P0009157	3,2702	2,02611	2,368690986	ENST00000566971	N/A	N/A	N/A
A_33_P3235009	3,3066	2,06278	2,368247727	N/A	91833	NM_001242415	WDR20
A_23_P366328	11,3212	10,0774	2,368214897	ENST00000521829	137492	NM_152415	VPS37A
A_23_P250231	4,54847	3,30472	2,368132822	ENST00000622000	56311	NM_019644	ANKRD7
A_22_P00007510	2,93619	1,69255	2,367952268	ENST00000512349	N/A	N/A	N/A
A_23_P46238	4,13958	2,89634	2,367295823	ENST00000359621	63036	NM_033440	CELA2A
A_21_P0002762	3,06911	1,82602	2,367049703	ENST00000498624	N/A	N/A	N/A
A_22_P00000108	2,69593	1,45387	2,365360371	ENST00000613353	N/A	M18205	N/A
A_23_P3681	12,1283	10,8864	2,365098059	ENST00000562435	81831	NM_018092	NETO2
A_33_P3484775	3,482	2,24051	2,364426016	N/A	N/A	N/A	N/A

A_21_P0002417	3,47108	2,22966	2,364311296	N/A	N/A	N/A	Inc-CAPN13-2
A_21_P0000296	8,25835	7,01695	2,36427852	N/A	26785	NR_002913	SNORD63
A_33_P3386067	2,74925	1,50792	2,364163807	ENST00000440978	253738	XM_006717739	EBF3
A_24_P104119	8,69195	7,45105	2,363459266	ENST00000267205	54509	NM_019034	RHOF
A_21_P0013408	2,91805	1,67729	2,363229925	ENST00000493400	100134040	XR_252345	LOC100134040
A_22_P00005445	2,89854	1,65784	2,363131643	N/A	100268168	NR_026683	LOC100268168
A_33_P3359953	6,80751	5,56688	2,363016986	N/A	100131825	NR_037870	CADM3-AS1
A_21_P0012292	2,90299	1,66242	2,362918713	ENST00000610688	388882	NR_110539	LOC388882
A_21_P0006575	2,88993	1,64944	2,362787689	N/A	N/A	N/A	Inc-ATXN3L-3
A_23_P254254	9,49926	8,25901	2,362394659	ENST00000571156	6448	NM_000199	SGSH
A_21_P0003639	2,82708	1,58695	2,362198169	N/A	N/A	N/A	Inc-UGT8-3
A_23_P160200	6,38382	5,14417	2,361412371	ENST00000469416	65243	NM_023070	ZFP69B
A_19_P00322339	5,52499	4,28545	2,361232329	ENST00000436383	100507127	NR_038291	LINC00707
A_22_P00000640	3,14173	1,90229	2,361068667	ENST00000439581	2182	W90270	ACSL4
A_23_P125233	3,51215	2,27272	2,361052301	ENST00000252456	1264	NM_001299	CNN1
A_22_P00004051	4,21007	2,97111	2,360283245	N/A	N/A	N/A	Inc-CHST15-1
A_33_P3733115	2,88578	1,64694	2,36008693	N/A	N/A	AK124496	N/A
A_24_P915196	10,3023	9,0641	2,359040194	ENST00000374049	203197	NM_153045	C9orf91
A_21_P0001637	2,9831	1,74511	2,358696835	N/A	N/A	N/A	Inc-HIST3H3-1
A_24_P389916	3,34282	2,10534	2,357863171	ENST00000404995	2615	NM_005512	LRRC32
A_22_P00019618	2,79561	1,55819	2,357765113	ENST00000557687	N/A	DA749780	N/A
A_24_P941268	7,87774	6,64034	2,357732427	ENST00000318636	11238	NM_007220	CA5B
A_22_P00004866	2,73975	1,50246	2,357552666	ENST00000522281	N/A	N/A	N/A
A_23_P160618	10,6407	9,40367	2,35712783	ENST00000392306	9047	NM_003975	SH2D2A
A_21_P0002407	2,66013	1,42321	2,356948115	N/A	N/A	N/A	Inc-FAM49A-1
A_22_P00022366	4,59767	3,36075	2,356948115	N/A	N/A	CD243761	Inc-ALX4-7
A_24_P305223	9,59459	8,35773	2,356850094	ENST00000391403	64693	NM_172241	CTAGE1
A_33_P3518572	9,50768	8,27109	2,356409052	ENST00000547804	100287314	NR_040245	LINC00941
A_33_P3333485	4,53876	3,30271	2,355527214	N/A	N/A	N/A	N/A
A_33_P3240767	9,72063	8,48468	2,355363947	ENST00000383817	63924	NM_022094	CIDEC
A_22_P00004210	3,50226	2,26648	2,355086419	N/A	100506462	NR_037969	SRD5A3-AS1
A_22_P00021220	2,79648	1,56121	2,354254031	N/A	102723642	XR_428661	LOC102723642
A_22_P00003205	2,77696	1,542	2,353748214	ENST00000476425	100505532	NR_103854	LINC01301

A_33_P3416218	3,59951	2,36525	2,352606445	ENST00000414964	4584	NM_005960	MUC3A
A_33_P3401980	2,88753	1,65355	2,352149893	ENST00000587564	399473	NR_073032	SPRED3
A_24_P484797	9,00141	7,76751	2,352019465	ENST00000424471	152302	NR_002786	CIDECF
A_23_P125748	2,73623	1,5027	2,351416333	ENST00000488347	84460	NM_001282400	ZMAT1
A_23_P134058	7,34595	6,11296	2,350536364	ENST00000379278	54438	NM_001242629	GFOD1
A_33_P3258127	3,44201	2,20923	2,350194243	ENST00000616273	10846	AY203946	PDE10A
A_22_P00008615	2,85213	1,61959	2,349803308	N/A	N/A	BC038775	Inc-KDM5B-1
A_23_P11160	8,88261	7,65046	2,349168178	ENST00000370663	79649	NM_024597	MAP7D3
A_21_P0005013	2,88616	1,65461	2,348191389	N/A	N/A	N/A	Inc-CMAHP-1
A_33_P3293773	6,73367	5,50217	2,348110008	ENST00000343098	401024	NM_173651	FSIP2
A_23_P36972	4,82273	3,59167	2,34739398	ENST00000376335	7546	NM_007129	ZIC2
A_33_P3305617	4,83886	3,60816	2,346808301	ENST00000617024	165679	BC130565	SPTSSB
A_22_P00017814	3,39075	2,16008	2,346759501	N/A	N/A	N/A	Inc-ZBTB4-2
A_22_P00018593	4,04455	2,81405	2,346482987	N/A	N/A	N/A	Inc-TLCD1-1
A_21_P0004818	5,03154	3,80157	2,345621122	N/A	N/A	N/A	Inc-WRNIP1-2
A_23_P35912	15,8949	14,6652	2,345182181	ENST00000533730	837	NM_033306	CASP4
A_33_P3256680	6,47388	5,24459	2,344515797	ENST00000276282	9258	NM_004225	MFHAS1
A_23_P35796	10,0856	8,85634	2,344467045	ENST00000164133	5526	NM_006244	PPP2R5B
A_21_P0013799	3,464	2,23482	2,344337044	N/A	N/A	N/A	XLOC_I2_015641
A_22_P00015316	4,64196	3,41295	2,344060815	N/A	N/A	DA090619	Inc-SPOP-1
A_22_P00012089	7,49904	6,27017	2,343833357	N/A	N/A	XM_005276020	Inc-PMP2-1
A_33_P3276703	10,9405	9,71165	2,343800865	ENST00000445482	7425	NM_003378	VGF
A_21_P0005558	2,82269	1,594	2,343540943	N/A	N/A	N/A	Inc-RAMP3-1
A_21_P0009442	3,43622	2,20766	2,343329778	ENST00000578664	100505592	NR_110429	LINC01540
A_33_P3407235	4,10375	2,87579	2,342355418	N/A	N/A	N/A	N/A
A_24_P186216	9,19904	7,97203	2,340813508	ENST00000503396	23244	NM_001100400	PDS5A
A_22_P00023254	2,79508	1,56851	2,340099705	N/A	100873946	NR_046653	VAV3-AS1
A_21_P0001284	3,76761	2,54112	2,339969946	N/A	N/A	N/A	Inc-AL591845.1-2
A_21_P0010645	3,48934	2,2631	2,339564495	N/A	N/A	N/A	XLOC_I2_001076
A_22_P00004263	5,858	4,63208	2,33904562	N/A	N/A	N/A	Inc-CMTM3-1
A_21_P0009299	3,18977	1,96406	2,338705171	N/A	100506974	XR_111668	LOC100506974
A_21_P0007811	3,72144	2,49599	2,338283732	N/A	N/A	N/A	Inc-DDX51-5
A_22_P00003016	3,14007	1,91472	2,33812166	N/A	285954	NR_027119	INHBA-AS1

A_22_P00018133	3,33557	2,11067	2,337392476	N/A	N/A	AK023961	Inc-ZNF503-AS2-1
A_21_P0005333	4,36806	3,14317	2,337376274	N/A	N/A	N/A	Inc-PAX4-1
A_24_P18146	6,00019	4,77539	2,337230466	ENST00000286485	23362	NM_015310	PSD3
A_32_P415151	7,18346	5,95867	2,337214265	ENST00000423258	253769	NM_182552	WDR27
A_24_P88850	6,78175	5,55744	2,336436779	ENST00000289104	22808	NM_012219	MRAS
A_21_P0000254	9,40433	8,18021	2,336129095	N/A	9298	NR_002560	SNORD31
A_33_P3369631	11,7365	10,5124	2,336096709	ENST00000261868	8669	NM_003758	EIF3J
A_32_P193080	11,6716	10,4475	2,336096709	ENST00000288670	114793	NM_052905	FMNL2
A_33_P3315659	4,47507	3,252	2,334429468	N/A	N/A	N/A	N/A
A_22_P00005566	2,69273	1,46974	2,334300023	ENST00000524011	N/A	N/A	N/A
A_21_P0005653	5,39136	4,16838	2,334283843	ENST00000417333	101929128	NR_125431	LOC101929128
A_33_P3297415	8,95835	7,73539	2,334251484	ENST00000483917	8828	NM_201264	NRP2
A_21_P0000211	12,1252	10,9024	2,333992621	ENST00000491035	26778	NR_000011	SNORA70
A_22_P00003080	8,23384	7,01113	2,333847024	N/A	N/A	AK125733	Inc-C8orf56-1
A_23_P253536	5,83586	4,61327	2,333652908	ENST00000415167	4883	NM_000908	NPR3
A_24_P254744	2,67609	1,4536	2,333491157	ENST00000452448	2042	NM_182644	EPHA3
A_23_P57658	7,99442	6,77212	2,333183861	ENST00000264735	57110	NM_020386	HRASLS
A_33_P3234593	4,1236	2,90154	2,332795756	ENST00000401491	29117	N/A	BRD7
A_23_P161918	13,9874	12,7658	2,332052068	ENST00000227520	79080	NM_024098	CCDC86
A_22_P00006127	2,82958	1,60828	2,331567182	N/A	N/A	BC043379	Inc-FAM174B-5
A_22_P00013901	2,74727	1,52623	2,331147028	N/A	N/A	N/A	Inc-RPS24-1
A_21_P0012264	9,4297	8,20871	2,331066238	ENST00000382734	1416	NR_033734	CRYBB2P1
A_21_P0002836	3,43217	2,21132	2,330840041	ENST00000455703	N/A	N/A	N/A
A_22_P00000804	3,19012	1,97031	2,329160407	N/A	N/A	N/A	Inc-AF127577.1-3
A_33_P3375077	4,64991	3,43102	2,327675586	ENST00000532330	27154	NM_015695	BRPF3
A_23_P202737	9,71496	8,49645	2,327062566	ENST00000332349	8690	NM_003772	JRKL
A_21_P0006504	6,70595	5,48772	2,326610971	N/A	102723911	XR_426531	LOC102723911
A_23_P49988	5,52174	4,30366	2,326369081	ENST00000377726	85291	NM_033062	KRTAP4-2
A_22_P00024164	11,7031	10,4852	2,326078846	ENST00000559946	N/A	N/A	N/A
A_24_P27977	9,56803	8,3502	2,325965987	ENST00000621064	7226	NM_003307	TRPM2
A_23_P98147	2,68178	1,46407	2,325772526	ENST00000441382	1369	NM_001308	CPN1
A_23_P25194	10,6107	9,39304	2,325691923	ENST00000552092	8739	NM_003806	HRK
A_22_P00019003	3,76361	2,546	2,325611322	N/A	101927868	XR_246196	GRK5-IT1

A_21_P0000286	8,69759	7,4801	2,325417891	N/A	26801	NR_002745	SNORD48
A_22_P00005819	5,57861	4,36146	2,324869924	N/A	N/A	BQ723166	Inc-EPS8L2-1
A_24_P16143	3,54325	2,32625	2,324628215	ENST00000343366	389118	NM_001007540	CDHR4
A_23_P5460	2,76658	1,54959	2,324612102	ENST00000295727	54738	NM_017521	FEV
A_21_P0009343	2,89299	1,67605	2,324531538	N/A	103689912	NR_125749	TBX2-AS1
A_33_P3304655	6,7157	5,49905	2,324064325	ENST00000404816	4052	NM_206943	LTBP1
A_33_P3286616	9,75489	8,53845	2,323726057	ENST00000369973	3654	NM_001569	IRAK1
A_23_P71053	8,78657	7,57019	2,323629418	ENST00000464384	51678	NM_016447	MPP6
A_21_P0006833	3,0883	1,87244	2,322792048	N/A	N/A	N/A	Inc-ITIH2-1
A_21_P0009039	3,28693	2,07146	2,322164218	N/A	102723429	XR_424706	LOC102723429
A_33_P3409746	5,2676	4,05252	2,321536559	ENST00000379011	100131378	NM_001166692	C11orf91
A_22_P00003089	2,70772	1,49277	2,321327376	N/A	101929229	NR_125432	LOC101929229
A_33_P3279362	2,70921	1,49456	2,32084472	N/A	642976	NR_027021	GRIK1-AS1
A_22_P00023159	3,1428	1,92892	2,319606362	N/A	101929106	NR_110052	LOC101929106
A_22_P00015059	8,55015	7,33659	2,319091913	ENST00000577906	N/A	N/A	N/A
A_24_P12690	2,64855	1,4352	2,318754369	ENST00000343295	169355	NM_194294	IDO2
A_21_P0009614	3,16926	1,95592	2,318738297	N/A	N/A	N/A	Inc-TSHZ1-1
A_21_P0013367	3,00225	1,78913	2,318384734	ENST00000443874	N/A	XR_432118	N/A
A_21_P0000370	9,14049	7,92808	2,317244057	N/A	692075	NR_003036	SNORD6
A_22_P00018204	2,66841	1,45613	2,317035262	ENST00000547523	N/A	N/A	N/A
A_22_P00021340	3,64892	2,43675	2,316858603	ENST00000315396	93233	NM_144577	CCDC114
A_21_P0012886	10,5142	9,30244	2,316200268	N/A	N/A	N/A	XLOC_I2_011911
A_23_P27584	12,622	11,4103	2,316103942	ENST00000391771	91663	NM_001020818	MYADM
A_23_P23356	10,3013	9,0897	2,315943408	ENST00000366932	51018	NM_016052	RRP15
A_23_P205216	9,65825	8,44736	2,314803932	ENST00000394422	10813	NM_006649	UTP14A
A_24_P110831	7,76925	6,55894	2,313873509	ENST00000316296	55107	AK097619	ANO1
A_33_P3379396	2,94402	1,73372	2,313857471	ENST00000252244	3848	NM_006121	KRT1
A_23_P216023	4,74087	3,53187	2,311773413	ENST00000517746	284	NM_001146	ANGPT1
A_22_P00019830	3,11345	1,90445	2,311773413	N/A	80279	NM_001278197	CDK5RAP3
A_21_P0013098	2,61832	1,40934	2,311741365	ENST00000418837	101928304	NR_125855	LOC101928304
A_24_P942112	6,04788	4,83905	2,311501021	N/A	84172	AK001678	POLR1B
A_33_P3274194	3,95019	2,7414	2,311436934	ENST00000382148	80333	NM_001035003	KCNIP4
A_22_P00006838	9,40762	8,19884	2,311420912	N/A	N/A	BG196409	Inc-GADD45A-2



A_19_P00321383	4,25689	3,04828	2,311148562	ENST00000447430	N/A	N/A	N/A
A_33_P3494748	9,45736	8,24898	2,310780139	ENST00000297632	157378	NM_194291	TMEM65
A_32_P35800	10,5969	9,389	2,310011446	ENST00000296564	23379	NM_015325	ICE1
A_21_P0005583	4,08614	2,8785	2,309595177	N/A	N/A	N/A	Inc-KRBA1-1
A_33_P3316508	3,98758	2,78047	2,308746861	ENST00000371436	860	NM_001015051	RUNX2
A_23_P368779	6,2251	5,01799	2,308746861	ENST00000600687	163071	NM_153608	ZNF114
A_24_P101629	11,516	10,3095	2,307770884	ENST00000522309	26071	NM_001078172	FAM127B
A_23_P200222	10,9833	9,77712	2,307259061	ENST00000306052	7804	NM_033300	LRP8
A_22_P00021741	3,90839	2,70232	2,307083148	N/A	N/A	AI208138	Inc-INHBA-1
A_22_P00008835	8,84906	7,64315	2,306827298	ENST00000430033	100874155	N/A	LINC00392
A_33_P3220837	7,0217	5,81605	2,306411603	ENST00000373313	9935	NM_005461	MAFB
A_23_P344853	10,7158	9,51032	2,306139843	ENST00000407426	23160	NM_015131	WDR43
A_24_P235266	12,7744	11,5692	2,305692308	ENST00000403097	2887	NM_001001555	GRB10
A_22_P00024176	2,86155	1,65667	2,305180946	ENST00000399711	100996279	NR_103715	LINC00269
A_23_P7423	14,4164	13,2119	2,304573851	ENST00000513888	54888	NM_017755	NSUN2
A_21_P0014029	2,90197	1,6975	2,304525929	ENST00000521798	23514	AF116680	SPIDR
A_21_P0009749	6,73194	5,52762	2,304286335	ENST00000593292	7644	N/A	ZNF91
A_22_P00016957	3,74519	2,54138	2,303471902	ENST00000419347	N/A	N/A	N/A
A_33_P3384045	3,81003	2,60662	2,302833333	N/A	N/A	AY176665	Inc-NAT2-1
A_33_P3354394	2,70214	1,49895	2,302482195	ENST00000391618	386684	NM_198698	KRTAP12-4
A_22_P00006358	4,56283	3,35992	2,30203537	N/A	N/A	AK090760	Inc-FARSB-1
A_21_P0003472	2,99342	1,7911	2,301094129	ENST00000504537	N/A	N/A	N/A
A_22_P00017410	2,79131	1,58926	2,30066352	N/A	100874056	NR_046504	NLGN4Y-AS1
A_22_P00014364	3,27386	2,07198	2,300392437	N/A	N/A	BU568518	Inc-SETD1B-1
A_23_P36157	13,2057	12,0039	2,30026488	ENST00000542347	54663	NM_018093	WDR74
A_21_P0004581	3,21187	2,01015	2,30013733	N/A	N/A	N/A	Inc-FBXW11-2
A_21_P0011402	4,00691	2,80544	2,299738781	ENST00000569536	N/A	N/A	N/A
A_21_P0011508	3,87472	2,6737	2,299021567	N/A	102723970	XR_424787	LOC102723970
A_33_P3374957	13,1675	11,9674	2,297555959	ENST00000617223	83855	NM_031918	KLF16
A_23_P150198	2,65223	1,45214	2,297540034	ENST00000530858	440040	NR_027044	LOC440040
A_33_P3329922	2,721	1,52103	2,297348937	ENST00000483242	414194	NR_103829	CCNYL2
A_22_P00010151	2,78138	1,58145	2,297285242	N/A	N/A	BX375149	Inc-MRPL40-1
A_19_P00802814	8,32859	7,1287	2,297221549	ENST00000426753	729296	NR_109916	LOC729296

A_33_P3312466	5,80945	4,60959	2,29717378	ENST00000327705	153579	NM_152547	BTNL9
A_24_P134195	8,81414	7,61458	2,296696146	ENST00000391771	91663	NM_001020818	MYADM
A_21_P0013336	2,64549	1,44686	2,295216111	N/A	N/A	N/A	XLOC_I2_013921
A_23_P251075	9,46065	8,26215	2,2950093	ENST00000464149	10046	NM_005491	MAMLD1
A_33_P3248227	8,83068	7,6323	2,294818415	ENST00000523328	N/A	M34432	N/A
A_24_P301846	10,4855	9,28719	2,294707072	ENST00000467575	2618	NM_175085	GART
A_22_P00019714	4,09368	2,89558	2,294373077	N/A	N/A	CU691979	Inc-SMG6-3
A_23_P5831	9,11003	7,91193	2,294373077	ENST00000419810	3241	NM_134421	HPCAL1
A_23_P216225	5,18262	3,98456	2,294309464	ENST00000317216	1960	NM_004430	EGR3
A_33_P3368313	5,31251	4,11457	2,294118637	ENST00000332374	4496	NM_005951	MT1H
A_33_P3314121	2,98528	1,78761	2,293689333	N/A	N/A	N/A	N/A
A_21_P0000153	7,94874	6,75128	2,293355486	N/A	2908	NM_001204265	NR3C1
A_23_P160720	5,93495	4,73778	2,292894539	ENST00000478275	55509	NM_018664	BATF3
A_33_P3220090	5,47476	4,27776	2,292624371	ENST00000244576	346157	NM_001076781	ZNF391
A_33_P3374338	4,29877	3,10234	2,291718748	N/A	N/A	N/A	XLOC_I2_013410
A_22_P00019791	2,61239	1,41629	2,291194604	ENST00000456477	N/A	N/A	N/A
A_22_P00021159	4,9539	3,75889	2,28946419	N/A	N/A	N/A	Inc-KLHDC9-1
A_23_P305198	2,98563	1,791	2,288861234	ENST00000450994	6775	NM_003151	STAT4
A_23_P16523	16,3743	15,18	2,288337743	ENST00000252809	9518	NM_004864	GDF15
A_24_P683011	3,99336	2,79911	2,288258437	ENST00000517562	100127983	NM_001190972	C8orf88
A_33_P3405043	4,12091	2,92672	2,288163273	N/A	N/A	N/A	N/A
A_22_P00010595	4,85176	3,65758	2,288147413	N/A	N/A	N/A	Inc-NDST1-1
A_21_P0006377	4,79581	3,60175	2,287957098	N/A	N/A	N/A	Inc-LINGO2-2
A_19_P00319655	4,53613	3,34228	2,287624085	N/A	101928857	N/A	CTD-3080P12.3
A_33_P3361182	9,12436	7,93055	2,287560659	ENST00000369797	22984	NM_014976	PDCD11
A_24_P56388	13,2145	12,0208	2,287386248	ENST00000337138	3091	NM_181054	HIF1A
A_21_P0006412	3,39284	2,20062	2,285040918	ENST00000454113	N/A	N/A	N/A
A_21_P0011105	3,49907	2,30716	2,284549972	ENST00000616042	100507055	XM_006719731	LRCOL1
A_22_P00011927	3,42909	2,23734	2,284296621	N/A	N/A	N/A	Inc-PITRM1-3
A_33_P3321382	6,61912	5,42789	2,283473425	N/A	N/A	N/A	N/A
A_33_P3281785	5,39577	4,20482	2,283030289	ENST00000380871	4824	NM_006167	NKX3-1
A_24_P43810	8,96678	7,77605	2,282682171	ENST00000522648	84985	NM_207006	FAM83A
A_33_P3396404	2,9417	1,75104	2,282571417	ENST00000378487	574016	NM_001025232	CLLU10S

A_23_P142345	4,56773	3,37753	2,281843741	ENST00000234347	5657	NM_002777	PRTN3
A_21_P0007124	3,35176	2,16157	2,281827924	ENST00000506329	101927495	NR_110189	LOC101927495
A_22_P00002028	4,08076	2,89077	2,281511617	N/A	N/A	N/A	Inc-BEX1-1
A_21_P0005468	3,30373	2,11388	2,281290229	N/A	N/A	N/A	Inc-RNF216-1
A_21_P0013233	2,61629	1,42669	2,280894946	N/A	285905	N/A	INTS4P1
A_21_P0012689	4,29789	3,10834	2,280815897	N/A	N/A	N/A	XL0C_I2_011302
A_33_P3275674	2,8538	1,66471	2,28008878	ENST00000523153	N/A	N/A	N/A
A_24_P649747	12,0705	10,8817	2,2796305	ENST00000443754	9790	NM_014753	BMS1
A_22_P00019634	2,73848	1,5498	2,279440893	N/A	101928200	NR_120541	MRGPRF-AS1
A_23_P11262	14,5311	13,3426	2,279156513	ENST00000622749	8263	NM_012151	F8A1
A_33_P3382498	2,84714	1,65914	2,278366754	ENST00000360844	100049587	NM_001098612	SIGLEC14
A_21_P0009326	3,87209	2,68426	2,278098299	N/A	N/A	N/A	Inc-MEOX1-1
A_22_P00008885	4,84903	3,66144	2,277719357	ENST00000560651	N/A	XR_243223	N/A
A_24_P314451	6,97044	5,78328	2,277040576	ENST00000360256	2157	NM_000132	F8
A_33_P3405198	2,68611	1,49934	2,276425113	ENST00000436808	N/A	N/A	N/A
A_24_P260443	4,92449	3,73777	2,276346219	ENST00000511888	7060	NM_003248	THBS4
A_22_P00025206	3,05253	1,86582	2,276330441	N/A	N/A	BU561563	Inc-ARHGAP10-1
A_33_P3650353	5,55287	4,36631	2,276093778	N/A	594839	AI887274	SNORA33
A_23_P126278	2,62802	1,4416	2,275872916	ENST00000484834	1118	NM_003465	CHIT1
A_23_P30693	3,73228	2,5476	2,273129694	ENST00000308192	5340	NM_000301	PLG
A_33_P3324899	3,3415	2,1569	2,273003649	N/A	N/A	N/A	N/A
A_21_P0000461	2,75575	1,57126	2,272830347	N/A	100113380	NR_003686	SNORD125
A_22_P00023095	2,82345	1,63916	2,272515288	N/A	N/A	DB095685	Inc-KIF15-1
A_19_P00813436	2,94307	1,7588	2,272483785	ENST00000501071	729506	N/A	LOC729506
A_33_P3224070	6,74529	5,56114	2,272294772	ENST00000514182	64651	NM_033027	CSRNP1
A_21_P0001613	4,8068	3,62267	2,272263272	N/A	N/A	N/A	Inc-NUAK2-1
A_32_P351037	2,76488	1,58091	2,272011284	ENST00000410072	56171	AK094515	DNAH7
A_23_P112241	9,59276	8,40888	2,271869553	ENST00000541010	25822	NM_012266	DNAJB5
A_23_P370162	7,41083	6,227	2,271790817	ENST00000531849	143570	NM_182969	XRRA1
A_21_P0000593	9,62454	8,44086	2,271554627	N/A	100379141	NR_033337	SNORA70D
A_33_P3296777	8,34464	7,161	2,271491647	ENST00000333082	9491	NM_006814	PSMF1
A_23_P125278	10,1093	8,92572	2,27139718	ENST00000306621	6373	NM_005409	CXCL11
A_21_P0009215	3,66326	2,47994	2,27098787	N/A	N/A	N/A	Inc-ALOX12-1

A_21_P0002481	5,19716	4,0139	2,270893424	N/A	N/A	N/A	Inc-TGFBRAP1-3
A_33_P3217731	2,66367	1,4807	2,270436991	ENST00000376484	7088	N/A	TLE1
A_24_P227211	7,83376	6,65093	2,270216678	ENST00000394067	64837	NM_022822	KLC2
A_22_P00001935	2,76113	1,57831	2,270200942	ENST00000563190	N/A	N/A	N/A
A_21_P0007431	3,94112	2,75833	2,270153735	N/A	101930264	N/A	LOC101930264
A_23_P256581	9,45614	8,27361	2,269744648	ENST00000369214	59336	NM_021620	PRDM13
A_23_P252388	2,80397	1,62151	2,269634522	ENST00000356031	79925	NM_024867	SPEF2
A_23_P253395	7,3149	6,13283	2,269021061	ENST00000617908	10497	NM_006377	UNC13B
A_33_P3364864	11,5378	10,3559	2,268753706	ENST00000393618	10135	NM_005746	NAMPT
A_22_P00025954	7,0006	5,81874	2,268690804	ENST00000431729	101929771	NR_125989	LOC101929771
A_21_P0000764	3,48019	2,29861	2,268250537	ENST00000452509	100505768	NR_038324	LINC01364
A_21_P0011773	9,3784	8,1975	2,267181671	ENST00000492393	65996	XR_428866	CENPBD1P1
A_24_P937405	13,1729	11,992	2,267181671	ENST00000280258	11098	NM_007173	PRSS23
A_23_P146198	3,10938	1,92868	2,266867395	ENST00000301645	1581	NM_000780	CYP7A1
A_22_P00011766	3,21792	2,03732	2,266710273	N/A	100507034	NR_038284	PITRM1-AS1
A_23_P257003	11,4551	10,2747	2,266396062	ENST00000376752	5125	NM_006200	PCSK5
A_33_P3313552	3,09888	1,91854	2,266301807	N/A	N/A	N/A	N/A
A_21_P0006265	4,31908	3,13878	2,266238973	N/A	N/A	N/A	Inc-SHB-1
A_21_P0014800	3,43264	2,25241	2,266129017	N/A	100507419	NR_123723	MMP25-AS1
A_22_P00000277	2,67034	1,49026	2,265893415	ENST00000419447	25812	NR_024591	POM121L1P
A_21_P0004725	2,65824	1,47831	2,265657838	ENST00000415575	N/A	N/A	N/A
A_22_P00018893	3,05535	1,8755	2,265532206	N/A	N/A	N/A	Inc-C2CD2-1
A_24_P235049	11,9494	10,7697	2,265296666	ENST00000611279	25902	NM_015440	MTHFD1L
A_21_P0011387	11,8778	10,6981	2,265296666	ENST00000560500	N/A	N/A	N/A
A_23_P7048	3,05655	1,87686	2,265280965	ENST00000515342	10141	NR_126518	LINC01587
A_24_P81965	8,14812	6,96862	2,264982651	ENST00000245304	5911	NM_021033	RAP2A
A_22_P00004183	3,49778	2,31853	2,264590194	ENST00000523178	N/A	N/A	N/A
A_23_P340722	13,5296	12,3509	2,263727026	ENST00000449426	11260	NM_007235	XPOT
A_19_P00809382	4,58003	3,40141	2,263601502	ENST00000267197	23067	NM_015048	SETD1B
A_21_P0004748	7,73467	6,55611	2,263507364	ENST00000424283	N/A	N/A	N/A
A_23_P75811	14,1845	13,0062	2,263099475	ENST00000537508	6520	NM_001012662	SLC3A2
A_23_P165380	4,19965	3,02157	2,262754396	ENST00000304502	1418	NM_014617	CRYGA
A_33_P3268005	8,15742	6,97942	2,262628926	ENST00000476484	158293	XM_005251736	FAM120AOS

A_23_P344037	9,00704	7,8291	2,262534828	ENST00000544093	55743	NM_018223	CHFR
A_21_P0003265	2,98456	1,80683	2,262205515	N/A	N/A	N/A	Inc-TTC14-2
A_23_P377664	8,43428	7,25672	2,261938964	ENST00000467448	57679	NM_001135745	ALS2
A_23_P406702	10,8236	9,64633	2,261484331	ENST00000236925	23271	NM_203459	CAMSAP2
A_33_P6803961	7,60816	6,4312	2,260998445	N/A	317648	NR_015453	NOP14-AS1
A_33_P3423401	8,75113	7,57461	2,26030898	ENST00000356725	388536	W87749	ZNF790
A_21_P0010293	6,36435	5,18799	2,260058318	N/A	N/A	N/A	Inc-SIK1-4
A_22_P00010659	2,85093	1,67469	2,259870339	N/A	N/A	N/A	Inc-NEK6-1
A_23_P146066	7,09931	5,92308	2,259854675	ENST00000388798	6674	NM_003114	SPAG1
A_33_P3257703	3,98541	2,80941	2,259494429	ENST00000421362	138724	NM_203299	C9orf131
A_33_P3739260	5,92773	4,75173	2,259494429	ENST00000616440	10486	NM_006366	CAP2
A_23_P216052	10,8981	9,72213	2,259447445	ENST00000518448	84985	NM_032899	FAM83A
A_24_P321411	10,8869	9,71101	2,259322158	ENST00000529901	5612	NM_004705	PRKRIR
A_23_P416036	9,58466	8,40953	2,258132279	ENST00000437046	55559	NM_017518	HAUS7
A_23_P161634	12,3741	11,1992	2,257772307	ENST00000524647	80198	NM_025128	MUS81
A_22_P00006736	4,5554	3,38051	2,257756658	ENST00000374720	23446	NM_080546	SLC44A1
A_24_P248741	5,03941	3,86456	2,25769406	ENST00000620116	115560	NM_145044	ZNF501
A_33_P3271652	2,67813	1,50337	2,257553222	ENST00000357223	84439	NM_032425	HHIPL1
A_24_P234838	7,09193	5,91749	2,257052537	ENST00000287008	5097	NM_032420	PCDH1
A_23_P356330	10,3987	9,22485	2,256129688	ENST00000468151	27351	NM_015704	DESI1
A_33_P3215093	6,64221	5,46857	2,255801308	ENST00000373502	53344	NM_001039840	CHIC1
A_23_P38677	10,9628	9,78918	2,255770036	ENST00000440960	10650	NM_006553	SLMO1
A_33_P3219711	4,50709	3,33356	2,255629318	ENST00000448413	285362	XM_006713118	SUMF1
A_21_P0000077	4,6221	3,44882	2,255238481	ENST00000488595	199221	NM_001170538	DZIP1L
A_33_P3269373	2,74584	1,5728	2,254863342	N/A	N/A	N/A	N/A
A_33_P3364379	12,305	11,132	2,254800824	ENST00000376901	10897	NM_001300861	YIF1A
A_22_P00014957	4,63043	3,45824	2,253535223	N/A	N/A	N/A	Inc-SLTM-3
A_23_P142310	16,462	15,2902	2,252926113	ENST00000250896	2872	NM_017572	MKNK2
A_21_P0011451	4,69584	3,52409	2,252848034	ENST00000569465	100507321	NR_040023	ERVK13-1
A_23_P148047	13,202	12,0304	2,252613813	ENST00000302472	5734	NM_000958	PTGER4
A_33_P3282354	3,88436	2,71305	2,252161055	N/A	N/A	N/A	N/A
A_21_P0011262	6,19338	5,02216	2,252020562	ENST00000557256	23214	NM_001270940	XPO6
A_33_P3253420	2,93082	1,75967	2,251911296	N/A	N/A	N/A	N/A

A_24_P8088	11,1874	10,0168	2,251052961	ENST00000379834	83732	NM_153005	RIOK1
A_21_P0014427	9,27752	8,10693	2,251037358	N/A	N/A	AK057177	Inc-CHADL-1
A_23_P58390	10,6089	9,43883	2,250226148	ENST00000309733	132720	NM_152400	C4orf32
A_21_P0011747	2,71571	1,5458	2,249976604	ENST00000401445	90273	NM_001288773	CEACAM21
A_21_P0000485	5,70126	4,53142	2,249867437	N/A	692197	NR_003943	SNORD77
A_23_P20683	11,8568	10,687	2,249805059	ENST00000382032	9933	NM_014878	KIAA0020
A_33_P3253892	3,05066	1,88097	2,249633526	N/A	N/A	N/A	N/A
A_33_P3358183	3,27677	2,1075	2,248978704	ENST00000497923	5737	NM_000959	PTGFR
A_21_P0002160	6,03399	4,86476	2,24891635	N/A	N/A	N/A	Inc-RPS7-1
A_22_P00004873	8,43229	7,26308	2,248885174	N/A	N/A	N/A	Inc-CYP7B1-6
A_23_P204980	11,9693	10,8001	2,248869585	ENST00000376747	55757	NM_020121	UGGT2
A_21_P0010423	3,92825	2,75922	2,248604605	N/A	N/A	N/A	Inc-TBC1D22A-1
A_32_P46840	10,976	9,80697	2,248604605	N/A	729680	AK090664	LOC729680
A_19_P00321009	10,7679	9,59917	2,24813707	ENST00000443364	100505633	NR_038849	LINC01133
A_33_P3402294	3,6156	2,44717	2,247669632	N/A	N/A	N/A	N/A
A_19_P00803360	8,7473	7,57906	2,247373638	ENST00000602367	730101	NR_024403	LOC730101
A_22_P00002714	4,78508	3,61754	2,24628347	ENST00000437035	N/A	N/A	N/A
A_23_P217968	9,64664	8,47925	2,246049931	ENST00000405515	51111	NM_016028	SUV420H1
A_32_P506854	2,66984	1,50248	2,246003226	N/A	N/A	BX090980	Inc-AP1S2-2
A_22_P00012026	3,29869	2,13161	2,245567361	N/A	N/A	N/A	Inc-PLEKHA3-2
A_23_P137578	9,84299	8,67594	2,245520667	ENST00000366862	23219	NM_015176	FBXO28
A_24_P51322	7,33822	6,17117	2,245520667	ENST00000368799	2312	NM_002016	FLG
A_22_P00000868	7,81574	6,64882	2,245318334	N/A	100505942	NR_104656	LOC100505942
A_33_P3242623	14,3322	13,1653	2,245287207	ENST00000280612	23657	NM_014331	SLC7A11
A_33_P3334250	6,56039	5,3935	2,245271644	ENST00000512519	N/A	N/A	N/A
A_24_P325046	7,46988	6,303	2,245256081	ENST00000322831	84186	AK126219	ZCCHC7
A_21_P0001176	2,80567	1,63887	2,245131581	ENST00000425109	101928979	NR_125967	LOC101928979
A_21_P0000185	2,99214	1,82549	2,244898162	N/A	100505549	NM_001242804	LOC100505549
A_22_P00019989	3,92955	2,763	2,244742563	N/A	100874355	NR_046803	ARHGFE9-IT1
A_33_P3238866	11,3981	10,2317	2,244509185	ENST00000456312	51119	NM_016038	SBDS
A_23_P11295	11,8445	10,6785	2,243886961	ENST00000369479	100272147	NM_001018024	CMC4
A_33_P3222341	7,98015	6,81444	2,243435957	ENST00000299954	26207	NM_012417	PITPNC1
A_22_P00011213	3,32856	2,16337	2,242627486	N/A	101929198	NR_046726	ATP13A4-AS1

A_21_P0011016	13,1223	11,9572	2,242487588	ENST00000532441	643733	N/A	LOC643733
A_21_P0002217	3,41278	2,24775	2,242378785	N/A	102724072	XR_425401	LOC102724072
A_24_P86240	7,38526	6,22039	2,242130111	ENST00000335016	55589	NM_198892	BMP2K
A_23_P143535	8,7733	7,6085	2,242021324	ENST00000330317	10785	NM_033661	WDR4
A_21_P0013138	2,7576	1,59319	2,241415326	N/A	101928519	NR_110860	LOC101928519
A_22_P00002426	3,37292	2,20866	2,241182294	ENST00000549515	N/A	BG197190	N/A
A_22_P00024618	2,65688	1,49263	2,241166759	N/A	N/A	N/A	Inc-COQ9-1
A_23_P24031	3,07561	1,91136	2,241166759	ENST00000467928	3195	NM_005521	TLX1
A_33_P3354414	5,59314	4,42913	2,24079396	ENST00000465297	316	NM_001159	AOX1
A_33_P3705907	11,0787	9,91478	2,240654177	ENST00000447172	85395	NM_058190	FAM207A
A_22_P00021786	2,80356	1,63969	2,240576523	ENST00000531034	N/A	AI150223	N/A
A_21_P0008721	3,30864	2,14533	2,239706984	N/A	N/A	N/A	Inc-MEIS2-4
A_33_P3227793	9,42818	8,26489	2,239675935	ENST00000312734	10669	NM_006569	CGREF1
A_21_P0010847	8,62502	7,46186	2,239474129	ENST00000435712	119437	NR_044994	CTAGE7P
A_24_P299685	7,9182	6,75578	2,238325733	ENST00000487038	10630	NM_198389	PDPN
A_33_P3417650	7,24878	6,08647	2,238155075	ENST00000391805	5655	NM_002776	KLK10
A_33_P3318237	7,51285	6,35057	2,238108535	ENST00000528530	5526	NM_006244	PPP2R5B
A_24_P283341	8,19375	7,0316	2,23790687	ENST00000358577	64780	NM_022765	MICAL1
A_23_P218597	8,51195	7,34985	2,237829311	ENST00000474550	4862	NM_002518	NPAS2
A_32_P188825	2,84362	1,68156	2,237767266	ENST00000421545	91646	NM_001110822	TDRD12
A_21_P0014234	8,99773	7,83569	2,237736244	N/A	N/A	XR_171053	Inc-CTSL1-1
A_23_P24192	10,138	8,97596	2,237736244	ENST00000370992	23223	NM_015179	RRP12
A_21_P0000054	12,6926	11,5308	2,237364016	ENST00000432901	100303755	NM_001164811	PET117
A_21_P0005069	4,54916	3,38761	2,236976344	N/A	N/A	N/A	Inc-ULBP3-1
A_22_P00006138	4,01818	2,85667	2,236914323	N/A	N/A	N/A	Inc-FAM184B-1
A_33_P3320678	2,83487	1,67353	2,236650751	ENST00000569347	283971	NM_173619	CLEC18C
A_22_P00022411	4,04916	2,88791	2,236511226	ENST00000505200	N/A	N/A	N/A
A_21_P0013116	4,68301	3,52209	2,235999708	ENST00000435757	80350	N/A	LPAL2
A_21_P0006361	2,83293	1,67231	2,235534794	N/A	N/A	N/A	Inc-COL15A1-1
A_21_P0012695	3,58264	2,42232	2,235069976	N/A	N/A	N/A	XLOC_I2_011350
A_21_P0007914	2,71591	1,55565	2,234977024	ENST00000432701	400128	NR_104174	TUSC8
A_22_P00005333	3,14251	1,9823	2,234899566	ENST00000439593	29980	N/A	DONSON
A_23_P96688	6,82062	5,66042	2,234884075	ENST00000533271	51111	NM_016028	SUV420H1

A_21_P0013514	12,0385	10,8785	2,234574276	N/A	N/A	N/A	XLOC_I2_014504
A_21_P0005342	2,58879	1,42888	2,23443488	ENST00000442017	N/A	N/A	N/A
A_23_P32903	11,6506	10,4911	2,233799966	ENST00000371113	4952	NM_000276	OCRL
A_22_P00018111	5,31699	4,15764	2,233567725	ENST00000563695	N/A	BC071777	N/A
A_22_P00014035	3,31082	2,15164	2,233304548	N/A	101928034	NR_125947	LOC101928034
A_21_P0007331	2,71218	1,55301	2,233289068	N/A	N/A	N/A	Inc-MPPED2-2
A_21_P0013031	2,79489	1,63586	2,233072359	N/A	N/A	N/A	XLOC_I2_012661
A_21_P0006748	2,92715	1,7682	2,232948535	ENST00000432530	N/A	XR_428642	N/A
A_33_P3359647	3,15836	1,9996	2,232654479	ENST00000615600	4987	NM_182647	OPRL1
A_23_P148057	12,2841	11,1255	2,232406884	ENST00000371064	5114	NM_016032	ZDHHC9
A_23_P311901	2,74483	1,58635	2,232221205	ENST00000327245	23120	NM_025153	ATP10B
A_21_P0014749	7,17463	6,01648	2,231710668	N/A	N/A	N/A	N/A
A_21_P0013644	5,20022	4,04249	2,231061063	N/A	102724507	N/A	LOC102724507
A_32_P87013	5,18743	4,02989	2,230767256	ENST00000307407	3576	NM_000584	CXCL8
A_23_P416821	2,7519	1,59497	2,229824243	ENST00000433641	256130	NM_152774	TMEM196
A_33_P3362008	3,13001	1,97311	2,229777876	ENST00000376468	4879	NM_002521	NPPB
A_33_P3296074	13,8761	12,7192	2,229777876	ENST00000306938	7690	NM_001297548	ZNF131
A_22_P00024628	3,28542	2,12854	2,229746965	ENST00000366312	N/A	N/A	N/A
A_22_P00002191	2,84583	1,68898	2,229700599	N/A	104355143	NR_126385	TXNDC12-AS1
A_21_P0007026	3,40266	2,24616	2,229159736	N/A	N/A	N/A	Inc-C10orf120-2
A_22_P00025782	3,17542	2,01937	2,228464533	ENST00000412360	N/A	N/A	N/A
A_23_P114947	12,3613	11,2056	2,22792397	ENST00000235382	5997	NM_002923	RGS2
A_23_P155147	8,75581	7,6003	2,227630576	ENST00000216268	9889	NM_014838	ZBED4
A_33_P3344044	2,51613	1,36091	2,227182839	N/A	N/A	N/A	N/A
A_22_P00018299	4,43812	3,2831	2,226874107	N/A	N/A	AL564257	Inc-ZNF827-1
A_33_P3342481	5,92809	4,77333	2,22647282	N/A	N/A	N/A	N/A
A_22_P00009315	2,72589	1,57115	2,226441955	ENST00000534059	N/A	XR_242870	N/A
A_33_P3295710	3,01708	1,86239	2,226364794	ENST00000305051	81127	NM_001005486	OR4K15
A_21_P0000080	6,65634	5,50184	2,226071605	ENST00000475361	159091	NM_001170781	FAM122C
A_23_P338479	5,90102	4,74668	2,22582474	ENST00000381577	29126	NM_014143	CD274
A_32_P117464	7,11178	5,95775	2,225346515	ENST00000392452	151963	NM_178496	MB21D2
A_24_P160491	2,79363	1,63961	2,225331091	ENST00000440303	348378	AK128236	FAM159A
A_21_P0012127	3,72796	2,57399	2,225253968	N/A	N/A	N/A	XLOC_I2_008667



A_23_P308032	12,1505	10,9973	2,224066615	ENST00000397007	4928	NM_005387	NUP98
A_33_P3342375	15,28	14,1273	2,223295946	ENST00000598245	4105	NM_175868	MAGEA6
A_21_P0004137	2,91556	1,76302	2,223049388	N/A	101928885	XR_241812	LOC101928885
A_33_P3219245	3,79812	2,64595	2,222479328	N/A	100128782	NR_023390	LINC00476
A_33_P3403708	5,76488	4,61307	2,221924815	N/A	N/A	N/A	N/A
A_23_P332820	3,37526	2,22349	2,221863211	ENST00000340057	3605	NM_002190	IL17A
A_21_P0008312	3,21998	2,06884	2,220893174	N/A	N/A	N/A	Inc-C14orf23-3
A_33_P3424636	3,87048	2,71961	2,220477573	ENST00000390392	N/A	A25968	N/A
A_33_P3370944	2,67228	1,52148	2,220369837	ENST00000334889	30062	NM_013435	RAX
A_21_P0002835	2,82764	1,67692	2,220246717	ENST00000451031	N/A	N/A	N/A
A_33_P3312534	2,82598	1,67587	2,219308151	ENST00000459741	7109	AL833668	TRAPPC10
A_23_P92025	8,06124	6,91114	2,219292768	ENST00000336832	63924	NM_022094	CIDEC
A_33_P3331446	2,86562	1,71556	2,219231237	ENST00000479209	N/A	AK125413	N/A
A_22_P00001159	2,65369	1,50384	2,218908228	ENST00000390348	N/A	N/A	N/A
A_24_P303480	10,6637	9,51412	2,218492998	ENST00000367495	10981	NM_006834	RAB32
A_21_P0005841	4,19244	3,04288	2,218462244	N/A	N/A	N/A	Inc-CA8-2
A_32_P6221	7,2257	6,07631	2,218200847	ENST00000528089	645332	NR_024249	FAM86C2P
A_22_P00020237	2,75638	1,6073	2,217724261	ENST00000440148	N/A	N/A	N/A
A_21_P0013186	2,84816	1,69965	2,216848224	N/A	N/A	N/A	XLOC_I2_013314
A_24_P171873	10,2439	9,09561	2,216510198	ENST00000513496	26272	NM_012176	FBXO4
A_23_P79145	5,71579	4,56751	2,216494834	ENST00000588644	148268	NM_144694	ZNF570
A_33_P3239084	9,81592	8,66771	2,216387292	ENST00000585436	196483	NM_201400	EEF2KMT
A_23_P40347	14,6456	13,4976	2,216064696	ENST00000493364	81502	NM_178580	HM13
A_23_P94128	6,61587	5,46801	2,215849658	ENST00000524741	252969	NM_145043	NEIL2
A_33_P3251901	9,07909	7,93132	2,21571143	ENST00000543538	323	NM_004307	APBB2
A_33_P3235990	9,096	7,9484	2,215450357	ENST00000556564	11099	NM_007039	PTPN21
A_23_P314642	9,66623	8,51909	2,214744079	ENST00000370978	55609	NM_017666	ZNF280C
A_22_P00016022	3,02835	1,88131	2,21459057	N/A	N/A	N/A	Inc-TFEC-5
A_22_P00021278	4,14646	2,99953	2,214421722	N/A	N/A	N/A	Inc-GPER-2
A_22_P00003460	2,92974	1,78283	2,214391024	ENST00000548368	100131138	N/A	LINC01405
A_24_P49896	2,58767	1,4409	2,214176148	ENST00000376217	220032	NM_182833	GDPD4
A_24_P261052	9,22485	8,0782	2,213991986	ENST00000221086	66036	NM_015458	MTMR9
A_21_P0000380	5,81949	4,67304	2,213685083	N/A	692109	NR_003057	SNORD69

A_24_P392110	5,86896	4,72252	2,213669739	ENST00000306511	440533	NM_182707	PSG8
A_33_P3288700	10,2978	9,1524	2,212074539	ENST00000447172	85395	NM_058190	FAM207A
A_32_P15544	2,76056	1,61546	2,211614599	ENST00000393140	145270	NM_178013	PRIMA1
A_33_P3222045	10,5288	9,38375	2,211537951	ENST00000313946	196483	NM_201400	EEF2KMT
A_19_P00810227	4,52326	3,37822	2,211522622	N/A	N/A	N/A	Inc-C14orf118-1
A_21_P0009531	2,6309	1,48669	2,210250672	N/A	N/A	N/A	Inc-MPPE1-1
A_23_P60565	9,16308	8,01906	2,209959606	ENST00000335815	6940	NM_005649	ZNF354A
A_23_P205200	9,868	8,72402	2,209898334	ENST00000218981	79758	NM_024705	DHRS12
A_24_P12401	12,0589	10,9151	2,20962263	ENST00000497139	7422	NM_001025366	VEGFA
A_21_P0013574	11,8789	10,7361	2,208091567	ENST00000444603	25902	NM_001242767	MTHFD1L
A_33_P3283490	2,8176	1,67485	2,208015041	ENST00000518834	102724453	N/A	LOC102724453
A_33_P3220045	3,2382	2,09556	2,207846695	N/A	80709	AK126136	AKNA
A_22_P00018264	4,47353	3,33099	2,207693664	N/A	N/A	N/A	Inc-ZNF736-2
A_33_P3408320	3,66144	2,5194	2,206928668	ENST00000429504	10715	NM_198207	CERS1
A_33_P3423530	2,54645	1,40492	2,206148646	ENST00000482940	27010	BC040555	TPK1
A_22_P00005786	7,3006	6,15921	2,20593457	ENST00000437506	N/A	N/A	N/A
A_21_P0007497	8,70828	7,56711	2,205598208	ENST00000547963	100506465	NR_110026	LINC01234
A_21_P0002169	4,1794	3,03834	2,205430045	N/A	N/A	N/A	Inc-HPCAL1-1
A_33_P3403237	4,70737	3,56644	2,205231325	ENST00000380243	317762	NM_001144995	CCDC85C
A_22_P00014776	6,26575	5,12486	2,205170184	N/A	101927635	XR_246725	LOC101927635
A_21_P0001325	2,77422	1,63333	2,205170184	ENST00000436742	149047	NR_027310	MGC27382
A_21_P0014894	7,20308	6,0622	2,205154899	N/A	N/A	N/A	N/A
A_23_P354791	4,68604	3,54534	2,204879787	ENST00000396087	89797	NM_182964	NAV2
A_23_P427180	2,65571	1,5152	2,204589428	ENST00000325643	286234	NM_178828	SPATA31E1
A_23_P109133	7,10049	5,96023	2,204207434	ENST00000380293	551	NM_000490	AVP
A_23_P8582	8,55856	7,4185	2,203901888	ENST00000432176	84668	NM_032581	FAM126A
A_24_P73577	2,57261	1,43294	2,203306193	ENST00000430119	8854	NM_170697	ALDH1A2
A_24_P205036	7,06234	5,9237	2,201733722	ENST00000395385	163223	NM_001001411	ZNF676
A_23_P402952	9,97503	8,8369	2,200955536	ENST00000470691	441294	NM_001008747	CTAGE15
A_22_P00008065	2,81136	1,67351	2,200528413	ENST00000496994	N/A	N/A	N/A
A_33_P3308774	4,58763	3,44989	2,200360638	N/A	N/A	DB066855	N/A
A_21_P0012655	5,9317	4,79441	2,199674417	N/A	N/A	N/A	XLOC_I2_011043
A_22_P00025758	4,02755	2,89056	2,199217055	N/A	N/A	N/A	Inc-ZNF382-1

A_23_P159721	3,71583	2,57885	2,199201811	ENST00000617907	9248	NM_004224	GPR50
A_23_P1819	7,2807	6,14373	2,199186567	ENST00000328064	26493	NM_012378	OR8B8
A_23_P29773	8,95561	7,81875	2,199018894	ENST00000265598	27074	NM_014398	LAMP3
A_33_P3277913	2,96156	1,82471	2,199003652	ENST00000392193	4133	N/A	MAP2
A_23_P418413	13,1709	12,0341	2,198927441	ENST00000311806	9943	NM_005109	OXSRI
A_24_P200023	4,41574	3,27897	2,198881716	ENST00000410023	3554	NM_000877	IL1R1
A_21_P0000746	4,50507	3,36856	2,198485474	ENST00000557887	100506874	N/A	LINC00933
A_24_P354615	10,2846	9,14814	2,198409281	ENST00000382142	54545	NM_001040446	MTMR12
A_21_P0000703	6,96094	5,82452	2,198348329	ENST00000491337	57116	NM_001204221	ZNF695
A_33_P3226080	3,8329	2,69674	2,197952182	ENST00000574081	388325	NM_207103	SCIMP
A_22_P00001573	2,69517	1,55923	2,197617037	ENST00000435896	N/A	N/A	N/A
A_24_P306720	9,40367	8,26846	2,19650533	N/A	400236	NR_036500	FOXN3-AS1
A_33_P3245539	11,5319	10,3971	2,195881193	ENST00000316836	9240	NM_006029	PNMA1
A_24_P31627	2,60606	1,47138	2,195698552	ENST00000371741	3745	NM_004975	KCNB1
A_33_P3358626	8,2916	7,15706	2,19548549	ENST00000400466	6875	NM_001293725	TAF4B
A_23_P405295	2,96407	1,82964	2,195318099	ENST00000617545	353144	NM_178434	LCE3C
A_33_P3265359	11,7607	10,6264	2,19512029	ENST00000409160	55502	NM_018645	HES6
A_22_P00016602	6,13761	5,00338	2,195013785	ENST00000563563	9674	NM_001162895	KIAA0040
A_33_P3390042	5,09203	3,95789	2,194876857	N/A	N/A	XM_006717637	Inc-VTI1A-2
A_33_P3217347	13,3782	12,2446	2,194055469	ENST00000374571	64219	NM_145119	PJA1
A_21_P0010818	2,53906	1,40548	2,194025054	ENST00000435629	101929520	NR_104061	LINC00993
A_21_P0005580	6,5913	5,45799	2,193614481	N/A	101928652	XR_242211	LOC101928652
A_23_P159027	2,91184	1,77855	2,193584071	ENST00000361524	25925	NM_015461	ZNF521
A_21_P0007123	2,6539	1,5207	2,193447232	ENST00000526436	101927120	NR_110136	LOC101927120
A_33_P3311371	8,58607	7,45293	2,193356011	ENST00000416159	64236	NM_198042	PDLIM2
A_24_P97405	3,87676	2,74394	2,192869563	ENST00000400880	9034	NM_003965	CCRL2
A_23_P146187	11,8305	10,6977	2,192839164	ENST00000320270	23212	NM_015169	RRS1
A_24_P750305	7,34634	6,21358	2,192778366	ENST00000445118	643837	NR_047519	LINC01128
A_22_P00006813	2,63209	1,49973	2,192170483	ENST00000447384	N/A	BC040729	N/A
A_23_P167401	11,2828	10,1505	2,192079316	ENST00000354757	56125	NM_018931	PCDHB11
A_23_P124427	7,47448	6,34284	2,191076719	ENST00000507142	4750	NM_012224	NEK1
A_22_P00017194	3,08325	1,95177	2,190833734	ENST00000594461	338864	NR_034024	LINC00347
A_24_P345209	6,85707	5,72563	2,190772992	ENST00000367106	8444	NM_001004023	DYRK3

A_22_P00002213	4,04023	2,90892	2,190575592	ENST00000414159	102723751	N/A	LOC102723751
A_22_P00024301	3,44123	2,31009	2,190317481	N/A	N/A	CV572980	Inc-DNAJC24-1
A_23_P376591	8,13848	7,00753	2,19002904	ENST00000339105	171425	NM_206808	CLYBL
A_21_P0000507	17,3527	16,2218	2,18995314	N/A	100170217	NR_024230	SNAR-B2
A_33_P3358774	3,06844	1,93761	2,189846886	ENST00000612174	219956	NM_001005212	OR9Q1
A_21_P0006923	2,75655	1,62583	2,189679925	N/A	N/A	N/A	Inc-NANOS1-2
A_21_P0013571	4,70386	3,57324	2,189528153	ENST00000331259	364	NM_001170	AQP7
A_24_P119678	2,71445	1,58386	2,189482623	N/A	N/A	AJ295982	N/A
A_33_P3357292	3,01992	1,88977	2,188814966	ENST00000329620	164684	XR_244353	WBP2NL
A_21_P0014903	3,95522	2,82524	2,188557062	N/A	N/A	N/A	N/A
A_33_P3390474	2,65801	1,52815	2,188375031	ENST00000390284	N/A	S65201	N/A
A_33_P3238993	10,3431	9,21332	2,188253685	ENST00000409979	3267	NM_001135187	AGFG1
A_33_P3227472	12,791	11,6613	2,188132346	ENST00000403593	113675	NM_138432	SDSL
A_23_P116523	3,6004	2,47072	2,188102012	N/A	N/A	AF116668	N/A
A_21_P0000800	7,16223	6,03273	2,187829027	N/A	100506054	N/A	RNASEH1-AS1
A_32_P23624	6,78141	5,65222	2,187358967	ENST00000344517	23456	NM_012089	ABCB10
A_33_P3365200	3,19832	2,06928	2,187131554	N/A	N/A	N/A	N/A
A_23_P111981	11,153	10,024	2,187070915	ENST00000614491	66004	AK126845	LYNX1
A_33_P3258467	11,3015	10,1726	2,186919324	ENST00000333896	6711	NM_178313	SPTBN1
A_24_P141736	8,30443	7,17575	2,186585861	ENST00000323666	10988	NM_006838	METAP2
A_23_P117602	5,8086	4,67993	2,186570705	ENST00000382542	3002	NM_004131	GZMB
A_22_P00004361	2,56082	1,43254	2,185979695	N/A	N/A	N/A	Inc-COL3A1-1
A_21_P0000267	6,02405	4,8959	2,185782727	N/A	619564	NR_002583	SNORD72
A_22_P00018619	3,09873	1,97071	2,185585777	N/A	N/A	N/A	Inc-ADAL-1
A_22_P00003827	2,87541	1,74761	2,185252517	N/A	100861550	NR_047484	PDX1-AS1
A_22_P00002775	9,44535	8,31764	2,185116198	ENST00000420096	N/A	N/A	N/A
A_21_P0009141	4,69763	3,56997	2,185040469	N/A	101154687	N/A	LINC01081
A_33_P3220020	3,13179	2,00446	2,184540723	ENST00000600260	440518	NR_033899	GOLGA2P9
A_33_P3211628	10,0667	8,93959	2,184207623	ENST00000529901	5612	NM_004705	PRKRIR
A_21_P0003029	3,64667	2,51958	2,184177343	N/A	N/A	N/A	Inc-KBTBD12-1
A_21_P0009784	2,76092	1,6339	2,184071369	ENST00000590611	N/A	N/A	N/A
A_22_P00003953	6,24822	5,12149	2,183632387	N/A	N/A	AK057177	Inc-CHADL-1
A_22_P00000415	3,33649	2,20988	2,183450765	N/A	N/A	N/A	Inc-AC068473.1-5

A_24_P322847	12,4276	11,3011	2,183284292	ENST00000355209	171568	NM_001018050	POLR3H
A_33_P3256952	7,81184	6,68562	2,182860598	N/A	112399	NM_022073	EGLN3
A_33_P3231319	5,40189	4,27583	2,182618525	N/A	N/A	N/A	XLOC_I2_013192
A_21_P0009304	2,7567	1,63081	2,182361351	N/A	N/A	N/A	Inc-TNFRSF13B-3
A_21_P0010117	2,79626	1,67041	2,182300844	ENST00000438287	284798	N/A	LOC284798
A_23_P45294	11,8859	10,7606	2,181469042	ENST00000299906	139231	NM_207318	FAM199X
A_22_P00009571	4,47102	3,34572	2,181469042	N/A	N/A	BX378454	Inc-MAP6-1
A_24_P397386	8,06187	6,93664	2,181363199	ENST00000263409	3977	NM_002310	LIFR
A_33_P3240687	3,1459	2,02075	2,181242242	ENST00000560839	N/A	BM715986	N/A
A_23_P47304	13,6504	12,5255	2,180864294	ENST00000456200	838	NM_004347	CASP5
A_33_P3210798	2,71494	1,59017	2,180667787	ENST00000532411	390084	NM_001146033	OR56A5
A_23_P408768	7,85625	6,73158	2,18051664	ENST00000398665	84444	NM_032482	DOT1L
A_22_P00015548	2,89874	1,77427	2,180214377	N/A	N/A	CB158968	Inc-STK39-2
A_21_P0000391	6,09303	4,96876	2,179912156	N/A	692210	NR_003075	SNORD93
A_33_P3354796	7,62773	6,50347	2,179897046	N/A	645644	NR_024492	FLJ42627
A_22_P00005658	7,0598	5,93563	2,179761061	ENST00000440595	101926888	NR_109885	RALY-AS1
A_33_P3281444	2,62242	1,49886	2,17883961	ENST00000468879	N/A	DQ100647	N/A
A_33_P3397593	2,94109	1,8176	2,178733895	N/A	N/A	N/A	N/A
A_23_P125495	2,81901	1,69589	2,178175199	ENST00000370532	1038	NM_004065	CDR1
A_21_P0000184	6,62962	5,50651	2,178160101	ENST00000615484	388536	NM_001242802	ZNF790
A_21_P0005227	3,11255	1,9895	2,178069516	ENST00000440213	101928773	N/A	LINC01449
A_23_P28012	6,29071	5,16854	2,176741365	ENST00000601100	91120	NM_033196	ZNF682
A_24_P238543	6,39765	5,27599	2,175972011	ENST00000420457	5255	NM_002637	PHKA1
A_21_P0013475	13,007	11,8854	2,175881517	ENST00000511103	N/A	N/A	N/A
A_33_P3251283	11,2353	10,1138	2,175730702	ENST00000314099	100128553	NM_198495	CTAGE4
A_23_P61202	11,401	10,2797	2,175429102	ENST00000447172	85395	NM_058190	FAM207A
A_33_P3247175	3,17032	2,04921	2,175142622	ENST00000508698	441054	NM_001114357	C4orf47
A_22_P00002689	7,97877	6,85767	2,175127545	ENST00000439156	N/A	N/A	N/A
A_21_P0003003	4,4116	3,29068	2,174856179	ENST00000465215	152225	NR_026934	LOC152225
A_24_P253251	12,6661	11,5452	2,174826029	ENST00000380752	6541	NM_003045	SLC7A1
A_22_P00008990	2,88728	1,76694	2,173982007	N/A	N/A	AI200843	Inc-LAMC2-1
A_21_P0012411	10,9476	9,82746	2,17368065	N/A	101928430	XR_241611	LOC101928430
A_33_P3696965	2,98788	1,86797	2,173334141	N/A	N/A	AA593742	N/A

A_22_P00012490	3,48836	2,36856	2,173168439	ENST00000518098	101929191	N/A	LINCR-0001
A_21_P0013452	3,1053	1,98569	2,172882256	ENST00000458082	100996266	NR_120506	LINC01510
A_23_P24903	12,8936	11,7745	2,172114267	ENST00000393597	5029	NM_176072	P2RY2
A_22_P00002507	2,57399	1,45498	2,171978768	ENST00000561523	101927228	XR_253539	LOC101927228
A_33_P3565342	2,69455	1,57561	2,171873385	ENST00000584531	400644	NR_104164	LINC01443
A_21_P0000256	6,27157	5,15268	2,171798115	N/A	9300	NR_002562	SNORD28
A_21_P0012472	2,82847	1,70962	2,171737901	ENST00000457449	101928992	N/A	LOC101928992
A_23_P41629	2,75403	1,6353	2,171557268	ENST00000274181	170690	NM_139056	ADAMTS16
A_23_P28334	4,63837	3,51968	2,171497061	ENST00000264260	8807	NM_003853	IL18RAP
A_33_P3283196	9,66146	8,54287	2,171346549	N/A	9169	XM_006719692	SCAF11
A_22_P00011290	2,75922	1,64065	2,171316448	ENST00000541574	101928346	XR_247876	LOC101928346
A_33_P3337134	3,09467	1,9772	2,169661533	ENST00000318888	84448	NM_001130083	ABLIM2
A_22_P00015866	6,44139	5,32406	2,169450998	ENST00000449439	N/A	N/A	N/A
A_21_P0003194	2,89134	1,77404	2,169405886	N/A	N/A	N/A	Inc-DNAJC19-4
A_33_P3298861	7,66496	6,54775	2,169270556	ENST00000483944	84561	NM_024628	SLC12A8
A_22_P00015437	2,6816	1,56442	2,169225447	N/A	100874083	NR_046617	KCNAB1-AS2
A_21_P0001471	6,16366	5,04664	2,168984886	N/A	N/A	N/A	Inc-ZBTB17-2
A_33_P3502315	13,4723	12,3553	2,168954818	ENST00000478846	54675	NM_019095	CRLS1
A_22_P00010336	3,31489	2,19819	2,168503843	ENST00000499642	100505676	NR_040434	RRS1-AS1
A_33_P3290368	6,4571	5,34057	2,168248332	N/A	100272228	NR_027456	LINC00894
A_33_P3265180	10,0624	8,9469	2,166700882	ENST00000400206	102800317	NM_001289912	LOC400927-CSNK1E
A_23_P500328	3,34952	2,23551	2,164464292	ENST00000371993	1641	NM_000555	DCX
A_22_P00000655	2,70942	1,59547	2,164374276	ENST00000510444	101928539	N/A	LOC101928539
A_24_P375227	5,01093	3,89743	2,163699278	N/A	N/A	N/A	N/A
A_24_P139208	8,17094	7,05745	2,16368428	ENST00000285681	29761	NM_013396	USP25
A_23_P111297	10,6495	9,53618	2,163429338	ENST00000464646	10799	NM_006638	RPP40
A_22_P00003917	2,50066	1,38768	2,162919542	ENST00000569037	N/A	N/A	N/A
A_21_P0009254	2,61064	1,49808	2,162289961	N/A	N/A	N/A	Inc-ABI3-2
A_32_P149060	5,97997	4,86769	2,161870342	N/A	282566	NR_024092	LINC00515
A_23_P386942	3,9964	2,88431	2,161585647	ENST00000323469	148252	NM_145173	DIRAS1
A_33_P3213468	5,13292	4,021	2,161330951	ENST00000296657	651746	NM_001164440	ANKRD33B
A_22_P00016092	3,20279	2,09105	2,161061306	N/A	N/A	BM931494	Inc-THOC2-1
A_33_P3221084	4,31706	3,2054	2,160941475	ENST00000525443	4054	AK127484	LTBP3

A_33_P3622472	11,8061	10,6945	2,160851606	ENST00000393710	8260	NM_001256119	NAA10
A_23_P139919	4,19343	3,08198	2,160626949	ENST00000303694	50515	NM_018413	CHST11
A_24_P401768	8,1693	7,05785	2,160626949	ENST00000317829	154810	NM_130847	AMOTL1
A_23_P47226	15,3388	14,2274	2,160552069	ENST00000494836	10897	NM_020470	YIF1A
A_33_P3240328	15,7993	14,6881	2,160252574	ENST00000265340	5307	NM_002653	PITX1
A_33_P3411945	2,70606	1,59523	2,159698617	ENST00000587494	255809	NM_001136482	C19orf38
A_23_P256641	6,69314	5,58233	2,159668677	ENST00000372101	23630	NM_012282	KCNE5
A_22_P00003082	3,45273	2,34195	2,159623768	N/A	N/A	N/A	Inc-C8orf56-1
A_22_P00009627	4,54125	3,4306	2,159429175	N/A	101927768	NR_125845	LOC101927768
A_33_P3230528	7,46756	6,35697	2,159339369	ENST00000395807	23164	N/A	MPRIP
A_22_P00011812	4,66443	3,55402	2,159069973	N/A	N/A	N/A	Inc-PHACTR4-2
A_23_P110699	9,0462	7,93584	2,158995146	ENST00000394226	91975	NM_052860	ZNF300
A_33_P3212456	6,27694	5,16669	2,158830537	ENST00000470878	6804	NM_001165903	STX1A
A_33_P3211818	6,52398	5,41399	2,158441512	ENST00000482318	861	NM_001001890	RUNX1
A_21_P0014829	7,43363	6,32384	2,158142309	N/A	N/A	N/A	N/A
A_21_P0014466	8,412	7,30223	2,158112391	N/A	101928152	XR_245037	LOC101928152
A_23_P42746	8,83798	7,72821	2,158112391	ENST00000438382	653361	NM_000265	NCF1
A_33_P3358731	7,55857	6,44881	2,158097432	ENST00000376767	5125	NM_006200	PCSK5
A_33_P3285761	4,18973	3,08008	2,157932892	ENST00000613027	N/A	DB028131	N/A
A_23_P372834	8,64834	7,53881	2,157753407	ENST00000311813	358	NM_198098	AQP1
A_24_P365807	15,212	14,1031	2,156811359	ENST00000204961	1947	NM_004429	EFNB1
A_33_P3287584	6,21454	5,10601	2,156258285	ENST00000615527	170954	NM_133471	PPP1R18
A_32_P223173	6,55952	5,45139	2,155660526	N/A	102725053	XR_432412	LOC102725053
A_23_P302116	10,0723	8,96424	2,155555935	ENST00000389547	8500	NM_177423	PPFIA1
A_22_P00007061	5,97945	4,8717	2,155092809	ENST00000528497	N/A	N/A	N/A
A_33_P3214988	7,18217	6,07465	2,154749263	ENST00000433756	79645	NM_001142857	EFCAB1
A_23_P128663	10,2928	9,18546	2,154480439	ENST00000382292	26278	NM_014363	SACS
A_23_P145694	16,1725	15,0655	2,153972752	ENST00000394308	440	NM_001673	ASNS
A_33_P3322884	2,65915	1,55215	2,153972752	N/A	N/A	N/A	N/A
A_23_P120863	2,87951	1,77254	2,153927962	ENST00000406361	9514	NM_004861	GAL3ST1
A_33_P3416822	2,60243	1,49594	2,153211447	ENST00000323777	124535	NM_001080439	HSF5
A_22_P00012644	10,4388	9,3325	2,152927892	ENST00000428814	N/A	N/A	N/A
A_33_P3386487	2,57423	1,46798	2,152853278	N/A	N/A	N/A	N/A

A_22_P00009062	5,45332	4,34737	2,152405652	N/A	N/A	N/A	Inc-LEO1-2
A_33_P3312365	11,0979	9,99207	2,152226627	ENST00000590558	9361	NM_004793	LONP1
A_21_P0002758	3,32782	2,22203	2,152166955	ENST00000471614	N/A	N/A	N/A
A_33_P3304182	3,0029	1,89722	2,152002867	N/A	N/A	N/A	N/A
A_24_P367439	4,99973	3,89428	2,151659814	N/A	N/A	AF068294	N/A
A_22_P00018927	3,42649	2,32141	2,15110806	N/A	N/A	N/A	Inc-HAPLN1-2
A_23_P87532	12,9584	11,8537	2,150541542	ENST00000395805	65981	NM_001002259	CAPRIN2
A_21_P0010975	3,81127	2,70687	2,150094396	N/A	N/A	N/A	XLOC_I2_002311
A_21_P0014872	3,61464	2,51061	2,149543044	N/A	100505923	AK129697	LOC100505923
A_23_P75516	9,5649	8,46089	2,149513245	ENST00000532504	8500	NM_003626	PPFIA1
A_21_P0009180	4,58165	3,47814	2,14876841	ENST00000591283	100507351	NR_040050	LOC100507351
A_24_P360763	7,56547	6,4621	2,148559902	ENST00000482633	1390	NM_001881	CREM
A_33_P3274049	5,06363	3,96048	2,148232288	ENST00000340561	55289	BC022268	ACOXL
A_33_P3302892	4,70567	3,6026	2,148113168	N/A	22795	BX648241	NID2
A_21_P0013505	6,99851	5,89546	2,148083389	ENST00000534291	N/A	XR_425687	N/A
A_21_P0006381	2,79443	1,69152	2,147874948	ENST00000413352	102723932	XR_426397	LOC102723932
A_33_P3347035	6,18344	5,08083	2,147428356	N/A	N/A	BC069659	N/A
A_22_P00016468	5,23915	4,13701	2,146728883	ENST00000519071	100270680	NR_117102	CASC11
A_33_P3268378	4,19847	3,09648	2,146505694	ENST00000527445	83648	NM_053279	FAM167A
A_33_P3274422	4,00492	2,90378	2,145241399	ENST00000454959	N/A	N/A	N/A
A_33_P3338674	3,66048	2,55942	2,145122445	N/A	126661	NR_033298	CCDC163P
A_22_P00010169	2,76071	1,65971	2,145033234	N/A	100507291	NR_121609	LOC100507291
A_33_P3278573	8,05634	6,95548	2,144825088	ENST00000616812	79917	NM_024859	MAGIX
A_21_P0004336	3,71382	2,61311	2,144602098	N/A	N/A	N/A	Inc-ERGIC1-1
A_22_P00016477	2,94608	1,84548	2,144438587	N/A	N/A	N/A	Inc-TMEM86A-1
A_21_P0005505	2,71924	1,61866	2,144408859	N/A	N/A	N/A	Inc-CALN1-1
A_33_P3223116	6,47566	5,37514	2,144319677	ENST00000342645	28996	AF207702	HIPK2
A_24_P77676	12,8652	11,7647	2,144289951	ENST00000297185	3313	NM_004134	HSPA9
A_22_P00020442	2,96667	1,86647	2,143844104	N/A	N/A	BC066991	Inc-RMND5A-1
A_33_P3262665	9,62877	8,52897	2,143249787	ENST00000370663	79649	NM_024597	MAP7D3
A_19_P00810085	3,23572	2,13601	2,143116088	ENST00000419922	646324	N/A	LINC00607
A_21_P0000245	6,83723	5,73773	2,142804157	ENST00000561554	595098	NR_002441	SNORD18A
A_21_P0004568	4,49022	3,39075	2,142759599	ENST00000513626	100505994	N/A	LUCAT1



A_19_P00316815	6,58046	5,48106	2,142655634	ENST00000431616	100287765	NR_038988	LINC00630
A_23_P405885	2,54504	1,44571	2,142551675	ENST00000478945	151871	NM_138815	DPPA2
A_33_P3227400	6,28719	5,18829	2,141913175	ENST00000396625	1286	NM_000092	COL4A4
A_33_P3352683	2,72361	1,62481	2,141764714	ENST00000377435	5969	NR_002714	REG1P
A_22_P00006012	4,0481	2,94932	2,141735023	ENST00000545615	100533183	NM_001204299	ZNF664-FAM101A
A_22_P00025612	2,78067	1,68214	2,141363921	N/A	101929557	N/A	LINC01395
A_24_P252364	3,09999	2,00166	2,141067085	ENST00000351718	4897	NM_001037132	NRCAM
A_23_P19778	5,46169	4,36359	2,140725776	ENST00000471405	26266	NM_012450	SLC13A4
A_33_P3304501	8,06261	6,96477	2,140340012	ENST00000381020	1045	NM_001265	CDX2
A_33_P3285769	13,8101	12,7123	2,14028067	N/A	N/A	N/A	N/A
A_21_P0010488	2,47058	1,37283	2,140206495	ENST00000381215	100289635	N/A	ZNF605
A_22_P00013493	2,87647	1,77912	2,139613186	ENST00000558436	102723481	XR_424610	LOC102723481
A_33_P3278451	4,6288	3,53151	2,139524204	ENST00000587777	N/A	DA717721	N/A
A_24_P166613	7,56117	6,46409	2,139212796	ENST00000199448	54749	NM_017549	EPDR1
A_33_P3357678	5,56982	4,47312	2,13864941	ENST00000565875	197021	NM_207338	LCTL
A_23_P22854	4,57891	3,48233	2,138471529	ENST00000596962	54858	NM_017712	PGPEP1
A_33_P3371175	10,2345	9,13793	2,138456707	ENST00000613925	57404	NM_177538	CYP20A1
A_22_P00025235	2,66463	1,56834	2,138041713	ENST00000509666	N/A	N/A	N/A
A_33_P3335606	10,4108	9,31462	2,137878701	N/A	N/A	N/A	N/A
A_33_P3587376	17,7719	16,6759	2,137611982	N/A	100169951	NR_024214	SNAR-A3
A_22_P00025751	2,74183	1,64598	2,137389742	ENST00000437334	N/A	N/A	N/A
A_22_P00000445	2,77945	1,68398	2,136826836	N/A	101928618	NR_108089	LOC101928618
A_23_P215956	14,9449	13,8496	2,136575058	ENST00000613283	4609	NM_002467	MYC
A_21_P0001062	3,0924	1,99718	2,136456585	ENST00000431637	100885798	N/A	LINC00210
A_23_P29257	12,9664	11,8716	2,135834706	ENST00000340857	3005	NM_005318	H1FO
A_33_P3348744	13,0423	11,9481	2,134946622	N/A	N/A	N/A	N/A
A_33_P3349870	2,72796	1,63416	2,134354771	N/A	55010	BC018903	PARPBP
A_21_P0006898	3,04066	1,94711	2,133984948	N/A	N/A	N/A	Inc-C10orf129-1
A_21_P0008356	2,47908	1,38555	2,133955365	N/A	N/A	N/A	Inc-C14orf118-1
A_24_P161463	16,9944	15,9009	2,133910991	N/A	441951	NR_003605	ZFAS1
A_33_P3344482	7,38432	6,29098	2,133674346	ENST00000399304	10979	NM_001135000	FERMT2
A_33_P3271038	3,16148	2,06848	2,133171562	N/A	N/A	N/A	N/A
A_21_P0014819	2,65497	1,56219	2,132846294	N/A	N/A	N/A	N/A

A_24_P753454	6,38932	5,29673	2,132565421	N/A	100132273	NR_034118	NDUFA6-AS1
A_23_P19084	11,6383	10,5458	2,132432389	ENST00000355836	3182	NM_004499	HNRNPAB
A_22_P00022687	3,62663	2,53436	2,132092455	N/A	401431	NR_027040	ATP6V0E2-AS1
A_21_P0014745	6,60342	5,51175	2,131205927	N/A	N/A	CR933683	N/A
A_21_P0011982	5,29828	4,20668	2,131102523	ENST00000419719	101927217	NR_110218	LINC01473
A_33_P3414669	7,75962	6,66805	2,131058209	ENST00000349225	51132	NM_183353	RLIM
A_33_P3342942	2,53317	1,44211	2,130305002	ENST00000409517	4211	CR749827	MEIS1
A_22_P00002592	5,5858	4,49495	2,129994935	N/A	N/A	N/A	Inc-C19orf26-2
A_23_P388900	11,028	9,93717	2,129965407	ENST00000369503	55356	NM_018420	SLC22A15
A_23_P16683	12,654	11,5633	2,129773487	ENST00000588511	55621	NM_017722	TRMT1
A_22_P00008427	4,20828	3,11766	2,12965539	N/A	N/A	N/A	Inc-KANK4-1
A_21_P0013801	5,58487	4,49436	2,129493018	N/A	N/A	N/A	XLOC_I2_015641
A_23_P78685	12,577	11,4865	2,129478258	ENST00000588965	2193	NM_004461	FARSA
A_23_P148410	16,0677	14,9772	2,129478258	ENST00000359202	53940	NM_031894	FTHL17
A_21_P0012352	2,53619	1,44575	2,129389697	N/A	N/A	N/A	XLOC_I2_009500
A_22_P00004995	2,72714	1,63678	2,129271622	ENST00000489016	N/A	N/A	N/A
A_23_P154566	14,158	13,0679	2,128887923	ENST00000435864	84969	NM_032883	TOX2
A_22_P00020043	7,96913	6,87925	2,128563309	ENST00000557544	100750246	NR_047116	HIF1A-AS1
A_21_P0010909	4,05979	2,97003	2,128386267	ENST00000456581	387723	N/A	LINC00959
A_21_P0001479	2,55214	1,46263	2,128017478	N/A	N/A	N/A	Inc-IL28RA-1
A_23_P120504	7,54683	6,45733	2,128002728	ENST00000381894	55321	NM_018354	TMEM74B
A_23_P366394	6,59421	5,50493	2,127678248	ENST00000375213	51776	NM_016653	ZAK
A_32_P38645	3,26058	2,17151	2,127368564	ENST00000372851	140730	NM_182970	RIMS4
A_33_P3359973	2,70985	1,6209	2,127191622	ENST00000436500	N/A	N/A	N/A
A_21_P0000450	5,7697	4,68087	2,127014694	N/A	100033438	NR_003340	SNORD116-26
A_22_P00011948	3,5285	2,43971	2,126955722	ENST00000418836	388942	NR_033996	LOC388942
A_23_P359854	9,48027	8,3915	2,126926236	ENST00000369042	57673	NM_001080450	BEND3
A_22_P00019499	2,57342	1,48511	2,126248179	N/A	N/A	BU733913	Inc-C9orf147-1
A_21_P0010357	2,73722	1,64909	2,125982911	ENST00000417782	N/A	N/A	N/A
A_23_P144020	2,63966	1,5516	2,12587976	ENST00000397459	152330	NM_175613	CNTN4
A_22_P00023448	2,6239	1,5361	2,125496672	N/A	101929718	NR_110139	LOC101929718
A_32_P69802	3,94451	2,85687	2,12526096	ENST00000307378	6579	NM_134431	SLCO1A2
A_22_P00004675	3,55837	2,47096	2,12492217	ENST00000561756	283914	NR_027080	LINC01566

A_22_P00008271	10,0038	8,91639	2,12492217	ENST00000557792	643911	NR_110454	CRNDE
A_23_P306346	4,93886	3,85167	2,12459816	ENST00000376834	138199	NM_152420	C9orf41
A_21_P0002469	5,85853	4,77146	2,124421448	N/A	N/A	N/A	Inc-SFTPB-1
A_23_P73747	7,63266	6,54607	2,123714748	ENST00000328766	9823	NM_014782	ARMCX2
A_22_P00013503	3,2778	2,19138	2,123464515	ENST00000538294	100507065	N/A	LOC100507065
A_21_P0008103	3,2363	2,15016	2,12305243	N/A	N/A	N/A	Inc-GPC5-2
A_23_P6119	11,2143	10,1283	2,122846418	ENST00000422877	10483	NM_032985	SEC23B
A_33_P3364869	11,9342	10,8482	2,122846418	N/A	10135	AK023341	NAMPT
A_33_P3294277	7,878	6,79202	2,122816989	ENST00000221307	4051	NM_000896	CYP4F3
A_22_P00010152	2,90767	1,82186	2,122566862	N/A	N/A	AF093016	Inc-MRPL40-2
A_32_P48466	3,51437	2,4286	2,122508013	ENST00000495240	150082	NM_152505	LCA5L
A_23_P339818	10,9957	9,91003	2,122360897	ENST00000268042	91947	NM_183376	ARRDC4
A_33_P3302448	2,75816	1,67254	2,122287342	N/A	645191	NM_001101391	LINGO3
A_23_P14515	11,6233	10,5378	2,122110823	ENST00000326303	122970	NM_152331	ACOT4
A_33_P3214209	8,89117	7,80627	2,121228445	ENST00000399751	728411	NR_027027	GUSBP1
A_33_P3394689	4,36201	3,27718	2,121125525	ENST00000379906	6530	NM_001172501	SLC6A2
A_21_P0003100	2,55712	1,47239	2,120978505	N/A	N/A	N/A	Inc-ATP2B2-1
A_21_P0001142	8,19575	7,11127	2,120610999	N/A	N/A	N/A	Inc-SLC44A5-4
A_24_P16214	9,07882	7,99442	2,120493411	ENST00000427868	100506930	N/A	LINC00665
A_23_P397019	7,89259	6,80842	2,120155381	ENST00000463589	548645	NM_001015882	DNAJC25
A_23_P32143	3,95936	2,87541	2,119832098	ENST00000374855	229	NM_000035	ALDOB
A_22_P00004872	8,33604	7,25233	2,119479482	N/A	102724623	NR_125826	LOC102724623
A_22_P00017311	2,91433	1,83069	2,119376646	ENST00000413645	N/A	N/A	N/A
A_22_P00000181	5,50886	4,42566	2,118730367	N/A	N/A	N/A	Inc-ABHD12B-3
A_24_P332623	12,0723	10,9891	2,118730367	ENST00000451540	647288	NR_027466	CTAGE11P
A_22_P00017902	2,71032	1,62744	2,11826047	ENST00000519660	N/A	BX119105	N/A
A_24_P213370	6,18307	5,1005	2,117805356	N/A	N/A	AK129982	N/A
A_22_P00008918	4,28756	3,2052	2,117497109	N/A	N/A	AL832624	Inc-KLRG2-1
A_23_P135257	13,2541	12,1719	2,117262284	ENST00000457896	5646	NM_002771	PRSS3
A_22_P00014101	2,71284	1,63069	2,117188907	N/A	100131047	NR_038401	LOC100131047
A_33_P3301351	4,89634	3,8145	2,116734023	ENST00000316997	375316	NM_001080504	RBM44
A_19_P00803201	4,59597	3,51437	2,116381923	N/A	101929826	XR_426502	LOC101929826
A_24_P898945	7,79801	6,71642	2,116367253	ENST00000402563	125228	NM_001098801	FAM210A

A_22_P00005480	3,02111	1,94027	2,115267324	N/A	N/A	BX091138	Inc-DYNLRB2-1
A_33_P3291772	8,62342	7,5427	2,115091388	N/A	N/A	N/A	N/A
A_33_P3387145	6,99301	5,91244	2,114871489	ENST00000431164	30011	NM_031892	SH3KBP1
A_21_P0001598	3,20982	2,1293	2,114798194	N/A	N/A	N/A	Inc-RGS8-2
A_33_P3372924	4,98809	3,90759	2,114768877	ENST00000366779	56997	XM_005273202	ADCK3
A_22_P00014571	4,84099	3,76051	2,11473956	N/A	N/A	N/A	Inc-SLA2-1
A_33_P3219750	7,72008	6,63961	2,114724902	ENST00000461134	79183	NM_024331	TTPAL
A_21_P0013954	3,31678	2,23668	2,11418262	N/A	N/A	N/A	N/A
A_21_P0013283	6,37236	5,29344	2,112454108	N/A	N/A	N/A	XLOC_I2_013730
A_33_P3386467	9,65112	8,57255	2,111941686	ENST00000423888	118433	NR_024530	RPL23AP7
A_23_P148484	10,134	9,05558	2,111722114	ENST00000349225	51132	NM_016120	RLIM
A_21_P0008900	2,72604	1,64788	2,111341578	N/A	N/A	N/A	Inc-PRR25-1
A_22_P00005074	3,60622	2,52809	2,111297674	N/A	N/A	N/A	Inc-DES-1
A_24_P382017	10,5088	9,43069	2,111268405	ENST00000616334	54700	NM_018427	RRN3
A_24_P70183	3,02428	1,9463	2,111078169	ENST00000300036	4629	NM_001040113	MYH11
A_21_P0005395	4,20795	3,13001	2,111019639	N/A	102723781	XR_428212	LOC102723781
A_23_P85171	12,4058	11,3279	2,11096111	ENST00000486738	2010	NM_000117	EMD
A_21_P0004425	2,57698	1,49924	2,110727009	N/A	N/A	N/A	Inc-FAM172A-6
A_24_P16249	3,60116	2,52353	2,110566081	ENST00000331425	90827	NM_033273	ZNF479
A_33_P3419790	4,47918	3,40163	2,110449049	ENST00000514824	84830	AK123258	ADTRP
A_24_P252497	14,1525	13,0752	2,110083368	ENST00000311922	10221	NM_025195	TRIB1
A_32_P827528	10,0346	8,95734	2,110024865	ENST00000589757	9294	NM_004230	S1PR2
A_23_P254271	14,5611	13,4839	2,109937113	ENST00000417736	84617	AK022340	TUBB6
A_33_P3672756	10,4527	9,37551	2,109922488	N/A	284561	XR_110828	LOC284561
A_33_P3341224	6,81779	5,74074	2,10971775	ENST00000261211	5128	NM_001170464	CDK17
A_21_P0009659	2,71305	1,63617	2,109469166	N/A	N/A	N/A	Inc-SAFB-1
A_33_P3266022	5,7732	4,69672	2,108884378	N/A	N/A	N/A	N/A
A_32_P203528	9,04273	7,96629	2,108825908	ENST00000293695	256126	NM_001105578	SYCE2
A_21_P0013282	8,87648	7,80007	2,108782057	N/A	N/A	N/A	XLOC_I2_013730
A_24_P305784	3,23686	2,16054	2,108650508	ENST00000449283	728695	NM_032461	SPANXB1
A_24_P69439	12,1127	11,0365	2,108475123	ENST00000297578	81034	NM_030780	SLC25A32
A_21_P0010449	10,0299	8,95418	2,107773728	N/A	100506737	XR_172388	LOC100506737
A_21_P0014606	7,2986	6,22289	2,107759118	N/A	101929516	NR_125979	LOC101929516

A_33_P3221034	2,71942	1,64375	2,107700679	N/A	147670	NM_001193628	SMIM17
A_22_P00005508	3,01669	1,94153	2,106955728	N/A	N/A	N/A	Inc-E2F7-3
A_21_P0011302	2,65783	1,58281	2,106751277	N/A	N/A	N/A	XLOC_I2_004596
A_22_P00009289	3,82326	2,7484	2,106517644	ENST00000531511	N/A	N/A	N/A
A_33_P3276323	3,7712	2,69647	2,106327836	N/A	644660	NR_033886	RAD21-AS1
A_21_P0003267	2,69061	1,61619	2,105875286	ENST00000419960	N/A	N/A	N/A
A_23_P257971	14,9818	13,9074	2,105846093	ENST00000460124	1645	NM_001353	AKR1C1
A_23_P6818	2,55181	1,47769	2,105437427	ENST00000231721	56920	NM_020163	SEMA3G
A_23_P88580	12,6163	11,5423	2,105262309	ENST00000622429	10620	NM_006465	ARID3B
A_21_P0014476	8,47121	7,39724	2,105218532	N/A	N/A	BX647890	N/A
A_21_P0008389	2,92548	1,85153	2,105189348	N/A	N/A	N/A	Inc-DLK1-6
A_33_P3266823	3,45824	2,38442	2,10499966	ENST00000493493	90113	BQ184771	VWA5B2
A_33_P3240353	14,5047	13,431	2,104824578	ENST00000276833	55630	NM_017767	SLC39A4
A_22_P00015211	2,63049	1,55681	2,104795399	ENST00000524613	N/A	BG333495	N/A
A_21_P0000946	5,69596	4,62237	2,104664099	ENST00000452982	102724539	N/A	LOC102724539
A_33_P3421203	7,64244	6,56907	2,104343178	ENST00000590591	286042	N/A	FAM86B3P
A_32_P170547	3,05234	1,98064	2,101908693	ENST00000617981	441521	NM_001007551	CT45A5
A_33_P3311668	2,79741	1,72574	2,101864986	N/A	N/A	AA489744	N/A
A_24_P228637	10,8491	9,77754	2,101704733	ENST00000399207	54093	NM_001007259	SETD4
A_22_P00023908	2,62372	1,55238	2,101384263	ENST00000274643	340156	NM_001012418	MYLK4
A_21_P0006885	4,88242	3,81108	2,101384263	N/A	N/A	N/A	Inc-FAM22B-1
A_22_P00006194	2,70389	1,63255	2,101384263	N/A	N/A	N/A	Inc-FAM26E-1
A_21_P0013220	3,38954	2,31831	2,101224047	N/A	101929266	XR_250204	LOC101929266
A_23_P251695	14,6544	13,5832	2,101180353	ENST00000254998	29107	NM_013248	NXT1
A_32_P776626	6,56997	5,4993	2,100408589	ENST00000409776	400966	NM_001024457	RGPD1
A_33_P3246248	4,06005	2,98958	2,10011743	N/A	729879	AK093187	LOC729879
A_22_P00025692	4,41367	3,34341	2,099811758	ENST00000416725	101929637	NR_126159	C11orf39
A_24_P168398	8,15638	7,08647	2,099302402	ENST00000589262	7730	NM_003451	ZNF177
A_33_P3379251	3,90409	2,8343	2,099127794	ENST00000383467	339291	NM_001105581	LRRC30
A_22_P00010658	2,56804	1,49832	2,099025946	ENST00000605924	N/A	N/A	N/A
A_21_P0007095	2,87927	1,80957	2,098996848	N/A	N/A	N/A	Inc-KLF6-6
A_21_P0002244	2,42997	1,36055	2,098589511	N/A	N/A	N/A	Inc-REG3G-3
A_23_P362659	11,9841	10,9147	2,098560419	ENST00000484513	4615	NM_002468	MYD88

A_21_P0014006	5,76759	4,6988	2,097673294	N/A	102724286	XM_006716897	LOC102724286
A_23_P60742	3,06866	1,99999	2,097498821	ENST00000563718	29895	NM_013292	MYLPF
A_22_P00019584	4,65353	3,58486	2,097498821	ENST00000561567	N/A	BM909110	N/A
A_23_P24898	2,85687	1,78917	2,096089036	ENST00000357605	390038	NM_001004751	OR51D1
A_33_P3241661	5,00134	3,93368	2,096030921	ENST00000411839	388780	NM_001287682	LOC388780
A_33_P3226109	3,04772	1,98007	2,096016393	ENST00000335535	199834	NM_178356	LCE4A
A_22_P00005032	5,69056	4,62316	2,095653212	ENST00000542797	N/A	CN287821	N/A
A_24_P142118	10,8962	9,82881	2,095638686	ENST00000260356	7057	NM_003246	THBS1
A_23_P64058	6,1809	5,11396	2,094985124	ENST00000377494	10235	NM_153819	RASGRP2
A_23_P40527	2,6307	1,56383	2,094883478	ENST00000621939	6899	NM_080646	TBX1
A_22_P00006314	5,12865	4,06182	2,094825396	N/A	N/A	N/A	Inc-FAM91A1-1
A_21_P0009823	5,74276	4,67652	2,093968878	ENST00000415932	101929244	NR_109953	CASC20
A_24_P345540	3,20856	2,14233	2,093954364	ENST00000615791	84524	NM_032494	ZC3H8
A_24_P384200	5,33178	4,26575	2,0936641	ENST00000413691	N/A	N/A	N/A
A_33_P3346635	5,22315	4,15806	2,0923004	N/A	56975	AK125281	FAM20C
A_33_P3313779	6,70498	5,63994	2,092227888	ENST00000397558	92558	NM_207311	CCDC64
A_23_P165239	5,156	4,09112	2,091995865	ENST00000609966	7757	NM_007153	ZNF208
A_33_P3407105	8,01029	6,94564	2,091662378	ENST00000370339	54915	NM_017798	YTHDF1
A_33_P3260066	5,24276	4,17909	2,090242027	ENST00000299694	146227	NM_001178020	BEAN1
A_24_P116710	4,37296	3,30946	2,089995738	ENST00000253796	10266	NM_005854	RAMP2
A_23_P326142	8,45907	7,39559	2,089966764	ENST00000623342	27099	NR_027330	SND1-IT1
A_23_P412577	9,02457	7,96124	2,089749477	ENST00000591280	147463	NM_173505	ANKRD29
A_21_P0000149	8,74369	7,6804	2,089691538	N/A	6936	NM_001201335	GCFC2
A_33_P3363188	9,23379	8,17056	2,089604632	N/A	644316	N/A	FLJ43315
A_21_P0014129	3,34826	2,28534	2,089155675	N/A	100505566	NR_047568	LINC00578
A_23_P116840	12,249	11,1867	2,088258051	ENST00000548915	60673	NM_021934	ATG101
A_33_P3332625	6,18518	5,12305	2,088011995	ENST00000565533	5542	NM_199354	PRB1
A_19_P00324814	9,90874	8,84676	2,087794912	N/A	N/A	N/A	XLOC_I2_015561
A_23_P65651	14,6063	13,5444	2,087679143	ENST00000556645	7453	NM_004184	WARS
A_22_P00002271	2,71377	1,65201	2,087476563	N/A	N/A	N/A	Inc-C10orf31-2
A_21_P0009290	2,83654	1,77493	2,087259535	ENST00000575056	N/A	N/A	N/A
A_23_P73835	9,35308	8,2916	2,087071462	ENST00000370783	56180	NM_019556	MOSPD1
A_22_P00014812	10,5903	9,52919	2,086536271	ENST00000443037	N/A	N/A	N/A

A_33_P3365701	2,89403	1,83309	2,086290419	N/A	N/A	N/A	Inc-HERC1-1
A_23_P64372	10,4667	9,40579	2,086247036	ENST00000257264	6947	NM_001062	TCN1
A_24_P225907	9,33153	8,27078	2,086015677	ENST00000383775	285381	NM_206831	DPH3
A_33_P3271455	2,69383	1,6332	2,085842174	ENST00000252804	7837	NM_012293	PXDN
A_33_P3222689	3,0646	2,00401	2,085784343	ENST00000355016	286436	NM_001164416	H2BFM
A_33_P3396562	3,88667	2,82622	2,085581947	ENST00000507987	N/A	N/A	N/A
A_21_P0012778	2,67184	1,61162	2,085249482	ENST00000510780	N/A	N/A	N/A
A_19_P00319553	3,208	2,14806	2,084844814	ENST00000424786	N/A	N/A	N/A
A_33_P3385453	4,4482	3,38833	2,084743659	N/A	N/A	N/A	N/A
A_23_P372331	10,0428	8,98305	2,084570262	ENST00000434583	51095	NM_182916	TRNT1
A_21_P0006975	2,84305	1,78344	2,084367984	N/A	N/A	N/A	Inc-DNAJC1-1
A_23_P150343	2,5079	1,44857	2,083963486	ENST00000525934	6588	NM_003063	SLN
A_23_P256231	10,6854	9,62645	2,083414651	ENST00000237281	84085	NM_032145	FBXO30
A_21_P0011488	5,69838	4,63962	2,083140288	N/A	N/A	N/A	XLOC_I2_005553
A_21_P0008336	2,63886	1,58025	2,082923711	N/A	N/A	N/A	Inc-C14orf166-1
A_22_P00019603	2,43307	1,37464	2,082663848	ENST00000515656	N/A	N/A	N/A
A_23_P27167	8,84132	7,78296	2,082562799	ENST00000578666	246243	NM_002936	RNASEH1
A_23_P88873	7,42441	6,36615	2,082418451	ENST00000568107	8139	NM_022041	GAN
A_23_P19619	10,4138	9,35562	2,082302981	ENST00000541134	3096	NM_002114	HIVEP1
A_22_P00005673	3,22864	2,17118	2,081264034	N/A	N/A	N/A	Inc-EIF4A3-1
A_23_P251316	13,4659	12,4086	2,081033227	ENST00000399050	1500	NM_001331	CTNND1
A_33_P3277198	3,26535	2,20815	2,080888986	ENST00000409701	9486	NM_004854	CHST10
A_33_P3531979	11,1492	10,0922	2,080600533	N/A	283352	NR_104172	LOC283352
A_22_P00005206	3,09958	2,04284	2,080225605	ENST00000555643	N/A	BG220086	N/A
A_24_P56281	11,1466	10,0899	2,080167929	ENST00000614865	65981	NM_001002259	CAPRIN2
A_33_P3292307	7,70407	6,64738	2,080153511	ENST00000376804	29914	NM_013319	UBIAD1
A_23_P156824	4,57639	3,51991	2,079850744	ENST00000369947	3351	NM_000863	HTR1B
A_22_P00020817	2,46723	1,41098	2,079519192	N/A	N/A	N/A	Inc-EEF1B2-3
A_22_P00003996	6,63887	5,58283	2,079216518	ENST00000444482	N/A	N/A	N/A
A_22_P00013896	3,30398	2,24833	2,078654524	N/A	101928158	NR_109923	LAMA5-AS1
A_33_P3237393	3,94862	2,89403	2,077127823	N/A	7699	NM_001300778	ZNF140
A_22_P00005036	2,67343	1,61892	2,077012646	ENST00000562065	101929620	XR_242539	LINC01243
A_33_P3346327	7,4775	6,42301	2,076983852	ENST00000540551	403323	NR_122077	LOC403323

A_21_P0012901	2,79201	1,73764	2,076811101	N/A	N/A	N/A	XLOC_I2_011996
A_22_P00016703	3,66372	2,6094	2,076739125	ENST00000430123	N/A	BX363383	N/A
A_24_P169343	10,6502	9,59594	2,076652758	ENST00000375234	195827	NM_153698	AAED1
A_21_P0006147	6,40821	5,35398	2,076609576	N/A	101927042	XR_242550	LOC101927042
A_21_P0010005	4,17295	3,11885	2,076422463	N/A	N/A	N/A	Inc-TASP1-4
A_33_P3216297	10,1423	9,08823	2,076379285	ENST00000415690	2908	NM_001018077	NR3C1
A_33_P3274209	3,22043	2,16668	2,075918781	N/A	N/A	N/A	N/A
A_22_P00013605	2,72987	1,67624	2,075746118	ENST00000452503	391037	N/A	SKINTL
A_22_P00017121	2,87623	1,82261	2,07573173	N/A	N/A	N/A	Inc-UBAP2-1
A_21_P0000238	11,3199	10,2663	2,075702954	N/A	26765	NR_002433	SNORD12C
A_23_P160297	2,47485	1,42146	2,075400835	ENST00000488417	84970	NM_032884	C1orf94
A_33_P3224135	6,30928	5,25603	2,075199447	ENST00000393389	338699	NM_001300972	ANKRD42
A_21_P0000460	4,91668	3,8636	2,07495493	N/A	100113379	NR_003685	SNORD121A
A_32_P177024	11,5414	10,4884	2,074839873	ENST00000414306	51119	NM_016038	SBDS
A_24_P407235	7,94747	6,89457	2,074696061	ENST00000552790	1407	NM_004075	CRY1
A_33_P3239278	4,20872	3,15589	2,074595399	ENST00000530162	390197	NM_001004705	OR4D10
A_23_P207811	12,5736	11,5208	2,074552259	ENST00000306846	10605	NM_006451	PAIP1
A_33_P3665749	2,68292	1,63014	2,0745235	ENST00000589921	148145	NR_027318	LINC00906
A_21_P0009771	6,1683	5,11557	2,074451604	N/A	N/A	N/A	Inc-IGFL3-1
A_33_P3243153	11,8664	10,8137	2,074408467	ENST00000361060	2673	NM_001244710	GFPT1
A_21_P0002341	2,63002	1,57736	2,074350953	N/A	N/A	N/A	Inc-CPO-1
A_22_P00017854	2,56505	1,5124	2,074336575	N/A	N/A	N/A	Inc-ZCWPW2-1
A_23_P405531	12,5783	11,5257	2,074264685	ENST00000545156	58525	NM_021241	WIZ
A_23_P258944	11,4449	10,3924	2,074120913	ENST00000249356	4189	NM_012328	DNAJB9
A_24_P226962	6,98861	5,93625	2,073919649	ENST00000259335	23392	NM_001080398	KIAA0368
A_21_P0000508	16,7536	15,7016	2,073402202	N/A	100170227	NR_024243	SNAR-D
A_22_P00004931	5,98768	4,93587	2,073129157	N/A	N/A	N/A	Inc-DBX1-1
A_19_P00317872	9,32137	8,26978	2,072813045	ENST00000521122	N/A	N/A	N/A
A_33_P3671729	2,69873	1,64719	2,072741208	N/A	386671	AK126671	FLJ44715
A_23_P214459	2,73394	1,68244	2,07268374	ENST00000230381	5961	NM_000322	PRPH2
A_23_P139786	14,5139	13,4626	2,072396425	ENST00000257570	8638	NM_003733	OASL
A_21_P0000511	15,9036	14,8526	2,071965527	N/A	100170221	NR_024342	SNAR-H
A_33_P3235217	12,8136	11,7627	2,071821914	ENST00000372616	1503	NM_001905	CTPS1



A_33_P3406714	2,98059	1,92974	2,071750112	N/A	N/A	N/A	XLOC_I2_015641
A_22_P00023473	2,68751	1,63684	2,071491643	N/A	N/A	N/A	Inc-NSMAF-1
A_21_P0000743	2,57471	1,52465	2,07061596	N/A	388553	NR_038267	BHMG1
A_24_P388252	7,14054	6,09069	2,070314582	ENST00000234310	5534	NM_000945	PPP3R1
A_32_P220715	12,8246	11,7749	2,070099338	ENST00000556529	81631	NM_022818	MAP1LC3B
A_21_P0008464	2,48283	1,43337	2,069754994	N/A	N/A	N/A	Inc-IRF2BPL-2
A_23_P32175	11,1937	10,1445	2,06938202	ENST00000559895	26468	NM_014368	LHX6
A_33_P3260689	4,07179	3,02265	2,069295959	ENST00000354514	474382	NM_001017990	H2AFB1
A_22_P00001707	2,72329	1,67434	2,069023455	ENST00000512859	N/A	N/A	N/A
A_32_P84242	8,54597	7,49722	2,068736647	ENST00000510609	26049	NM_015566	FAM169A
A_33_P3565133	3,47188	2,42319	2,068650613	ENST00000419459	400238	NR_033986	LINC00642
A_24_P150791	2,95735	1,90896	2,068220494	ENST00000563609	57338	NM_020655	JPH3
A_33_P3382296	2,63866	1,59059	2,067761798	N/A	100129662	NR_038405	FGF13-AS1
A_23_P21943	2,61106	1,563	2,067747466	ENST00000324447	55511	NM_018666	SAGE1
A_33_P3758973	4,851	3,80302	2,067632809	N/A	57796	AL137340	DKFZP761C1711
A_22_P00023153	3,40834	2,36046	2,067489496	ENST00000521326	N/A	BC038731	N/A
A_22_P00021365	4,40142	3,35415	2,066615506	N/A	N/A	N/A	Inc-C9orf156-2
A_22_P00011030	4,52208	3,47481	2,066615506	N/A	N/A	N/A	Inc-NT5E-1
A_33_P3417358	2,69102	1,64406	2,066171488	N/A	N/A	BC080646	Inc-SNURF-3
A_22_P00017109	3,05426	2,00777	2,065498482	ENST00000569962	N/A	XM_005274652	N/A
A_33_P3262977	3,1351	2,0888	2,065226478	ENST00000356606	10149	NM_001079858	GPR64
A_23_P152906	5,36883	4,32261	2,065111961	ENST00000251535	239	NM_000697	ALOX12
A_33_P3321034	7,32032	6,27433	2,064782759	ENST00000496550	91584	NM_020911	PLXNA4
A_33_P3388482	7,33461	6,28863	2,064768447	ENST00000342607	144404	NM_001080825	TMEM120B
A_23_P376870	7,24995	6,20415	2,064510849	ENST00000548641	122616	NM_174891	C14orf79
A_24_P253003	5,64443	4,59913	2,063795468	ENST00000322563	7481	NM_004626	WNT11
A_22_P00025536	3,12656	2,08129	2,063752553	ENST00000411436	N/A	N/A	N/A
A_24_P494454	8,96573	7,92051	2,06368103	N/A	169981	NM_001010862	SPIN3
A_21_P0000226	5,24865	4,20409	2,062737159	N/A	319139	NR_001276	SNORD56B
A_33_P3225760	2,38552	1,34101	2,062665671	ENST00000412923	54510	NM_001300828	PCDH18
A_23_P14083	12,8533	11,8089	2,062508407	ENST00000429635	347902	NM_181847	AMIGO2
A_22_P00008254	5,87508	4,83082	2,06230827	N/A	100885782	NR_047700	MYO16-AS1
A_33_P3333995	6,67666	5,63278	2,061765138	ENST00000564204	3801	DB072080	KIFC3

A_22_P00025166	5,55854	4,51485	2,061493625	N/A	N/A	BU617929	Inc-CTDSPL2-2
A_23_P366936	14,6434	13,5998	2,061365027	ENST00000252250	286887	NM_173086	KRT6C
A_21_P0006145	3,27428	2,23073	2,061293586	N/A	N/A	N/A	Inc-ALDH1B1-2
A_21_P0014715	7,69511	6,65186	2,060864997	N/A	N/A	BC013229	N/A
A_21_P0011981	4,4081	3,36505	2,06057932	ENST00000427108	101927217	N/A	LINC01473
A_22_P00004573	2,89197	1,84894	2,060550755	ENST00000434868	N/A	XR_430430	N/A
A_22_P00012130	4,30631	3,26394	2,059608315	N/A	255130	NR_034081	IGFBP7-AS1
A_21_P0003062	2,52837	1,48641	2,059023078	N/A	N/A	N/A	Inc-NLGN1-1
A_33_P3343957	10,1383	9,09635	2,059008806	ENST00000405015	23301	NM_015252	EHBP1
A_23_P81590	2,6831	1,64115	2,059008806	ENST00000512670	5145	NM_000440	PDE6A
A_22_P00018247	2,58369	1,54196	2,058694847	N/A	N/A	N/A	Inc-ZNF708-1
A_23_P372988	6,3217	5,28017	2,058409471	ENST00000419421	163154	NM_001134316	PRR22
A_23_P163087	12,1464	11,1052	2,057938687	ENST00000541773	22795	NM_007361	NID2
A_23_P132121	12,5279	11,487	2,057510795	ENST00000270162	150094	NM_173354	SIK1
A_21_P0013920	2,4787	1,43781	2,057496534	N/A	101930441	XM_006710237	LOC101930441
A_23_P9894	9,80085	8,76033	2,056968926	ENST00000437750	10196	NM_005788	PRMT3
A_21_P0010412	2,62777	1,58754	2,056555491	N/A	N/A	N/A	Inc-ISX-1
A_24_P690924	12,0039	10,9637	2,056512727	ENST00000262544	10483	NM_032985	SEC23B
A_21_P0000279	3,15916	2,11917	2,056213401	ENST00000565907	26787	NR_002735	SNORD61
A_33_P3211432	9,14097	8,10132	2,05572887	ENST00000435988	653361	NM_000265	NCF1
A_21_P0009991	3,98322	2,94376	2,055458152	N/A	N/A	N/A	Inc-COL20A1-3
A_33_P3305058	2,96176	1,92255	2,055102	ENST00000451399	23113	AK125228	CUL9
A_33_P3533325	2,92218	1,88299	2,05507351	ENST00000269197	80816	XM_005258356	ASXL3
A_24_P208567	8,81204	7,77314	2,054660456	ENST00000409599	8809	NM_003855	IL18R1
A_22_P00021382	5,79615	4,75732	2,054560765	N/A	N/A	N/A	Inc-CCDC83-1
A_24_P266728	14,1056	13,0671	2,054090862	ENST00000377390	7536	NM_004630	SF1
A_33_P3383009	5,33347	4,29509	2,053920014	N/A	N/A	N/A	N/A
A_21_P0008417	5,43079	4,39245	2,053863068	N/A	N/A	N/A	Inc-PRKD1-2
A_21_P0003110	4,74955	3,71142	2,053564128	N/A	N/A	N/A	Inc-GLB1-1
A_33_P3366120	14,8469	13,8088	2,053521426	ENST00000369850	2316	NM_001110556	FLNA
A_33_P3247489	2,57154	1,53368	2,05317984	ENST00000301896	283129	NM_001037225	C11orf85
A_22_P00009065	2,58812	1,55028	2,053151377	N/A	N/A	N/A	Inc-LEPRE1-1
A_21_P0003742	2,70426	1,66652	2,053009068	N/A	N/A	N/A	Inc-IGFBP7-2

A_23_P168556	11,7374	10,6999	2,052667568	ENST00000222812	6804	NM_004603	STX1A
A_33_P3278435	13,5181	12,4807	2,052525293	ENST00000545127	51287	NM_016565	COA4
A_21_P0013512	14,5359	13,4986	2,052383027	ENST00000518311	N/A	N/A	N/A
A_22_P00001518	4,67015	3,63291	2,052297673	N/A	101929064	NR_110879	LOC101929064
A_24_P673786	9,35781	8,32079	2,051984737	ENST00000376573	5305	NM_005028	PIP4K2A
A_24_P704878	2,39457	1,35762	2,051885177	N/A	N/A	N/A	N/A
A_33_P3286066	6,49263	5,45583	2,051671849	ENST00000393925	90102	NM_001134438	PHLDB2
A_21_P0011219	3,21906	2,18236	2,051529643	ENST00000434100	101928898	N/A	LOC101928898
A_21_P0002945	2,56363	1,52706	2,051344789	N/A	N/A	N/A	Inc-TTC21A-2
A_21_P0001085	3,46656	2,43014	2,051131518	ENST00000432961	100130417	NR_026874	LOC100130417
A_24_P255986	2,92772	1,89153	2,050804545	ENST00000328794	388333	NM_001128076	SPDYE4
A_33_P3392560	3,47224	2,43612	2,050705042	ENST00000556886	100506412	NR_102701	LINC00871
A_33_P3316115	2,98914	1,95331	2,050292865	N/A	101927102	NR_110903	ITFG1-AS1
A_22_P00014298	2,65517	1,61948	2,050093913	N/A	94009	NR_027786	SERHL
A_22_P00005022	6,21284	5,17722	2,049994444	N/A	N/A	BX099435	Inc-DDX31-1
A_33_P3254844	8,00822	6,97268	2,049880772	ENST00000401731	1087	NM_006890	CEACAM7
A_33_P3330353	7,71629	6,68115	2,049312503	ENST00000370777	56180	NM_019556	MOSPD1
A_33_P3226755	5,58174	4,5466	2,049312503	N/A	2316	AK125630	FLNA
A_22_P00000702	3,92128	2,88616	2,049284094	N/A	101927671	NR_108079	MIR202HG
A_23_P218358	5,66153	4,62687	2,048630788	ENST00000574478	374286	NM_001282540	CDRT1
A_23_P140876	2,78307	1,74854	2,048446196	ENST00000301732	21	NM_001089	ABCA3
A_21_P0005217	4,20755	3,17304	2,048417799	N/A	N/A	N/A	Inc-IL6-3
A_21_P0013184	4,74814	3,71363	2,048417799	N/A	N/A	N/A	XLOC_I2_013311
A_22_P00020781	3,35543	2,321	2,048304214	N/A	N/A	N/A	Inc-NT5E-1
A_32_P128701	10,7049	9,67052	2,048233226	ENST00000450251	54532	NM_019050	USP53
A_33_P3210605	3,6954	2,6611	2,048119651	N/A	N/A	N/A	N/A
A_21_P0010726	4,08318	3,04925	2,047594449	N/A	100293748	XR_425012	LOC100293748
A_22_P00009941	11,7713	10,7376	2,047268039	ENST00000623724	22806	NM_001284514	IKZF3
A_33_P3393088	2,7327	1,699	2,047268039	ENST00000624615	100131320	BC044241	RAB6C-AS1
A_22_P00025260	2,39332	1,35982	2,046984247	N/A	N/A	N/A	Inc-SPATA5-2
A_22_P00004746	3,14419	2,11083	2,046785616	N/A	N/A	N/A	Inc-CTR9-3
A_23_P202143	12,3489	11,3157	2,046558633	ENST00000605788	9221	NM_001284388	NOLC1
A_23_P165608	7,19748	6,16437	2,046430966	ENST00000446927	10505	NM_004263	SEMA4F

A_22_P00001367	8,20714	7,17431	2,046033831	N/A	84777	NR_119377	DLGAP1-AS2
A_23_P90172	11,5459	10,5131	2,045991285	ENST00000200453	23645	NM_014330	PPP1R15A
A_23_P258272	13,0011	11,9686	2,045565877	ENST00000466579	10807	NM_001039707	SDCCAG3
A_23_P148990	2,3799	1,34777	2,04504133	ENST00000271588	83872	NM_031935	HMCN1
A_33_P3390226	3,78598	2,75447	2,04416266	N/A	N/A	N/A	N/A
A_21_P0002929	4,08253	3,0513	2,043765964	N/A	N/A	N/A	Inc-TSEN2-1
A_23_P414281	3,63989	2,60878	2,043595976	ENST00000586256	146562	NM_139170	C16orf71
A_22_P00006863	2,93099	1,90006	2,043341019	ENST00000557910	N/A	CA412304	N/A
A_33_P3307049	3,92794	2,89789	2,042095024	N/A	100129363	AK128478	LOC100129363
A_24_P394940	2,69809	1,66806	2,042066715	ENST00000477500	1571	NM_000773	CYP2E1
A_21_P0010702	3,14388	2,11417	2,04161382	ENST00000454285	N/A	N/A	N/A
A_21_P0000679	9,91478	8,88519	2,04144401	ENST00000557682	100507217	NR_037601	LINC01578
A_33_P3271850	3,25727	2,22787	2,041175174	ENST00000454800	54020	XR_433655	SLC37A1
A_22_P00014837	9,44704	8,41774	2,041033695	N/A	N/A	N/A	Inc-SLC46A2-1
A_24_P140666	2,64116	1,61199	2,040849788	ENST00000274605	23138	NM_015111	N4BP3
A_21_P0013783	5,68634	4,65719	2,040821496	N/A	N/A	N/A	XLOC_I2_015585
A_33_P3419098	6,21897	5,18987	2,040750768	ENST00000322810	5339	NM_201380	PLEC
A_22_P00002362	2,45257	1,42397	2,04004362	N/A	N/A	N/A	Inc-C12orf45-1
A_22_P00016421	5,81815	4,7896	2,039972919	N/A	N/A	DB012195	Inc-TMEM241-1
A_21_P0000683	2,83735	1,80885	2,03990222	ENST00000429807	100287632	N/A	LOC100287632
A_23_P160460	10,4492	9,42076	2,039817384	ENST00000367926	6675	NM_003115	UAP1
A_24_P327181	5,1022	4,07391	2,039605311	ENST00000246914	65266	NM_032387	WNK4
A_32_P7581	2,69955	1,67152	2,03923777	ENST00000614657	54084	NM_144991	TSPEAR
A_33_P3389678	3,90946	2,88193	2,038531147	N/A	56928	NM_001077238	SPPL2B
A_24_P942630	7,4316	6,40453	2,037881269	ENST00000254846	23135	NM_001080424	KDM6B
A_33_P3354631	3,6258	2,59886	2,037697646	N/A	N/A	AK127208	N/A
A_22_P00002811	3,07627	2,04935	2,037669398	N/A	N/A	N/A	Inc-C2orf42-3
A_22_P00025959	7,35429	6,32738	2,037655274	ENST00000366956	5784	NM_005401	PTPN14
A_22_P00013987	2,67123	1,64438	2,037570532	ENST00000584078	N/A	BU590303	N/A
A_21_P0010853	3,01929	1,99249	2,037499916	N/A	N/A	N/A	XLOC_I2_001841
A_23_P155890	10,5355	9,50935	2,036582136	ENST00000286794	84779	NM_032693	NAA11
A_21_P0013437	4,99739	3,97147	2,036257482	N/A	N/A	N/A	XLOC_I2_013874
A_23_P319719	8,06065	7,03474	2,036243368	ENST00000317555	192111	NM_138575	PGAM5

A_33_P3326989	6,07805	5,05226	2,036074005	ENST00000193029	5891	NM_014226	MOK
A_32_P175739	13,082	12,0572	2,034677298	ENST00000290573	3099	NM_000189	HK2
A_23_P119196	9,3457	8,32145	2,033901764	ENST00000248071	10365	NM_016270	KLF2
A_33_P3292886	16,8764	15,8522	2,033831276	ENST00000330722	3853	NM_005554	KRT6A
A_21_P0009303	2,75211	1,72796	2,03376079	N/A	N/A	N/A	Inc-ZNF287-1
A_22_P00009012	2,70045	1,67633	2,033718499	ENST00000424329	101930748	N/A	LINC00367
A_23_P215790	11,1389	10,115	2,033408397	ENST00000454757	1956	NM_005228	EGFR
A_33_P3231090	3,48489	2,461	2,033394302	N/A	6919	BC098585	TCEA2
A_32_P72181	4,65747	3,63365	2,033295644	ENST00000591469	647946	NR_024391	LINC00669
A_22_P00024581	2,86853	1,84478	2,03319699	ENST00000444442	N/A	N/A	N/A
A_23_P45304	8,65147	7,62773	2,033182897	ENST00000378616	7504	NM_021083	XK
A_23_P17354	3,03675	2,01316	2,032971514	ENST00000438466	78997	NM_024034	GDAP1L1
A_19_P00812250	2,53683	1,51336	2,032802423	ENST00000342988	4089	NM_005359	SMAD4
A_33_P3318627	3,79835	2,77548	2,03195718	ENST00000566665	2903	AK308862	GRIN2A
A_33_P3382157	14,9411	13,9183	2,031858591	ENST00000532317	8301	NM_007166	PICALM
A_32_P83845	10,1588	9,13602	2,031830424	ENST00000337919	23462	NM_001040708	HEY1
A_22_P00021552	5,13251	4,10975	2,031802257	N/A	N/A	DA456694	Inc-CGN-1
A_22_P00020862	2,60452	1,5818	2,031745924	N/A	N/A	BE891551	Inc-NAPB-2
A_32_P54274	3,54575	2,52312	2,031619181	ENST00000304374	1816	NM_000798	DRD5
A_33_P3840512	7,87573	6,85312	2,031591017	ENST00000338625	10166	NM_014252	SLC25A15
A_23_P117580	6,88741	5,86492	2,031422041	ENST00000334696	957	NM_001249	ENTPD5
A_33_P3243649	6,70333	5,68099	2,031210841	N/A	100131831	AK129685	LOC100131831
A_32_P26969	10,9329	9,91123	2,030267748	ENST00000262109	157697	NM_207332	ERICH1
A_32_P69849	9,61568	8,59422	2,029972242	ENST00000333643	340542	NM_001012978	BEX5
A_33_P3339143	3,71116	2,68971	2,029958171	ENST00000450457	392509	NM_001162491	ARL13A
A_33_P3229272	4,88995	3,86888	2,029423559	ENST00000553953	9564	NM_014567	BCAR1
A_33_P3294222	5,51893	4,49799	2,029240698	ENST00000334583	146206	NM_001013838	RLTPR
A_22_P00024371	5,78558	4,76475	2,029085982	ENST00000335223	N/A	BC032117	N/A
A_33_P3232173	7,09305	6,07229	2,028987532	ENST00000338910	55269	N/A	PSPC1
A_33_P3258004	2,8338	1,81311	2,028889088	ENST00000546960	56899	NM_152788	ANKS1B
A_23_P51761	5,13136	4,11079	2,028720336	ENST00000359610	81448	NM_001005279	OR6K2
A_23_P378690	7,31829	6,29778	2,028635966	ENST00000458549	169200	NM_001008495	TMEM64
A_33_P3329632	2,69902	1,67867	2,028410995	N/A	644767	AK126788	FLJ44838

A_24_P101786	6,92288	5,90301	2,027736234	ENST00000474159	63892	NM_001271644	THADA
A_21_P0014153	3,25601	2,23648	2,027258413	N/A	102724201	NR_125875	LOC102724201
A_21_P0000294	8,19651	7,17703	2,027188155	ENST00000439232	26776	NR_002910	SNORA71B
A_23_P19020	4,44222	3,42296	2,026879048	ENST00000509023	9627	NM_005460	SNCAIP
A_22_P00009482	7,2841	6,26499	2,02666832	N/A	100272228	N/A	LINC00894
A_22_P00005460	3,85391	2,83487	2,026569988	ENST00000518623	619351	NR_026765	LINC00589
A_22_P00007204	7,22128	6,20261	2,026050311	ENST00000400282	407975	NR_027349	MIR17HG
A_23_P148546	11,8704	10,8518	2,025952009	ENST00000393710	8260	NM_003491	NAA10
A_33_P3384108	9,3527	8,3344	2,025530768	ENST00000477688	6573	NM_194255	SLC19A1
A_32_P66035	3,94187	2,92389	2,025081541	ENST00000280734	144110	NM_153347	TMEM86A
A_33_P3242234	12,1852	11,1673	2,02496925	ENST00000369505	474383	NM_001007523	F8A2
A_21_P0000259	7,2638	6,24614	2,024632413	ENST00000537925	9303	NR_002565	SNORD25
A_24_P382467	8,62699	7,60951	2,024379823	ENST00000589166	29985	NM_144564	SLC39A3
A_22_P00020603	2,53812	1,52067	2,024337727	ENST00000561316	N/A	N/A	N/A
A_33_P3284045	3,50607	2,48866	2,024281602	ENST00000341435	152110	XR_427255	NEK10
A_33_P3358601	5,12048	4,10309	2,024253539	ENST00000382123	402778	NM_001170820	IFITM10
A_21_P0000451	5,68394	4,66667	2,024085174	N/A	100033439	NR_003341	SNORD116-27
A_23_P7056	8,1792	7,16223	2,023664321	ENST00000356260	55153	NM_018115	SDAD1
A_22_P00008038	4,99441	3,97747	2,02362224	ENST00000514062	3490	NM_001253835	IGFBP7
A_33_P3236117	6,69342	5,67648	2,02362224	ENST00000483240	N/A	N/A	N/A
A_33_P3354399	2,3709	1,35423	2,023243555	ENST00000397907	386683	NM_198697	KRTAP12-3
A_33_P3259198	2,60954	1,59296	2,023117343	ENST00000375353	348013	NM_182614	TMEM255B
A_33_P3344423	2,87287	1,85648	2,02285092	ENST00000376071	259197	NM_001145467	NCR3
A_21_P0000302	10,985	9,96867	2,022766794	ENST00000534079	654320	NR_002920	SNORA8
A_33_P3271810	3,78971	2,77348	2,022626591	ENST00000568004	23035	NM_001289003	PHLPP2
A_23_P361049	11,8902	10,8741	2,022444342	ENST00000392318	4430	NM_012223	MYO1B
A_33_P3320888	6,80207	5,786	2,022402287	ENST00000452463	64764	NM_001253775	CREB3L2
A_23_P113793	10,4192	9,40332	2,022135958	ENST00000317012	79413	NM_024508	ZBED2
A_23_P20558	9,24692	8,23104	2,022135958	ENST00000381854	55664	HQ447209	CDC37L1
A_23_P256855	10,6918	9,67618	2,021771565	ENST00000455854	57510	NM_020750	XPO5
A_33_P3239569	9,67052	8,65498	2,021659457	ENST00000370562	6227	BC027976	RPS21
A_22_P00012495	4,38437	3,36894	2,021505319	N/A	N/A	DB457315	Inc-PSD2-1
A_24_P22800	3,62344	2,60801	2,021505319	ENST00000306322	5680	NM_002785	PSG11

A_21_P0010750	7,74929	6,73394	2,021393227	ENST00000424587	102725199	BC031359	LOC102725199
A_24_P11791	13,9132	12,8979	2,021323172	ENST00000334256	3840	NM_002268	KPNA4
A_33_P3404824	8,45535	7,44014	2,021197079	ENST00000394226	91975	NM_001172831	ZNF300
A_22_P00014995	4,9361	3,92128	2,020650768	N/A	102723385	NR_119379	LOC102723385
A_22_P00019630	2,6214	1,60686	2,020258635	N/A	N/A	N/A	Inc-JAK1-3
A_22_P00010423	2,76038	1,74591	2,020160614	ENST00000517731	N/A	N/A	N/A
A_24_P276463	4,11523	3,10089	2,019978588	ENST00000593346	100132967	NR_027401	FAM223A
A_33_P3316790	2,41918	1,40514	2,019558588	ENST00000299164	170689	NM_139055	ADAMTS15
A_21_P0009468	3,86841	2,85447	2,019418608	N/A	N/A	N/A	Inc-HRH4-7
A_33_P3416483	6,40093	5,38735	2,01891476	N/A	284702	NR_026778	HNRNPU-AS1
A_23_P89665	3,19856	2,18542	2,018299115	ENST00000251646	3884	NM_002279	KRT33B
A_33_P3749627	2,95175	1,93869	2,0181872	N/A	57242	AB007978	KIAA0509
A_23_P206293	3,37951	2,36646	2,018173211	ENST00000564607	221188	XM_006721169	GPR114
A_23_P34093	12,6634	11,6506	2,017823519	ENST00000369620	2539	NM_000402	G6PD
A_23_P101796	5,019	4,00666	2,017180243	ENST00000600440	85360	NM_033025	SYDE1
A_33_P3333787	3,63604	2,62372	2,017152279	N/A	N/A	AF132204	N/A
A_33_P3280157	8,87026	7,85802	2,017040427	ENST00000567527	727708	NR_001290	SNORD116-19
A_23_P40039	11,5957	10,5837	2,01670491	ENST00000393001	83607	NM_031445	AMMECR1L
A_33_P3401138	5,27301	4,26102	2,016690931	N/A	N/A	N/A	N/A
A_21_P0001262	2,51248	1,50095	2,016048016	N/A	N/A	N/A	Inc-UBIAD1-2
A_23_P308097	12,1088	11,0975	2,015726636	ENST00000518532	5516	NM_001009552	PPP2CB
A_33_P3217020	8,11093	7,09966	2,01568472	ENST00000428637	65059	NM_203365	RAPH1
A_33_P3221009	4,2927	3,28144	2,015670749	ENST00000382488	N/A	N/A	N/A
A_24_P49997	2,77124	1,76004	2,015586921	ENST00000358571	345456	NM_001029886	PFN3
A_22_P00021903	2,44258	1,43143	2,015517067	ENST00000455530	101928540	NR_125859	LOC101928540
A_33_P3372910	11,4108	10,3999	2,015167835	N/A	23586	NM_014314	DDX58
A_23_P154338	3,64927	2,63847	2,015028159	ENST00000611312	80303	NM_025202	EFHD1
A_23_P165355	10,3894	9,37877	2,014790732	ENST00000281828	10056	XM_006712170	FARSB
A_33_P3334923	3,49717	2,48683	2,014385775	ENST00000605386	338758	NR_028138	LINC00936
A_33_P3244784	2,51718	1,50698	2,014190307	N/A	283463	N/A	MUC19
A_33_P3417542	2,84689	1,83677	2,014078619	ENST00000506586	N/A	N/A	N/A
A_32_P24585	6,43088	5,42087	2,01392506	ENST00000311601	285590	NM_001017995	SH3PXD2B
A_33_P3370404	11,3439	10,3339	2,0139111	ENST00000436171	24145	NM_015368	PANX1

A_24_P152968	12,9294	11,9195	2,013771511	ENST00000477661	1645	NM_001353	AKR1C1
A_23_P404678	8,64752	7,63784	2,01346445	ENST00000222120	9545	NM_004283	RAB3D
A_33_P3418170	9,60649	8,59703	2,013157435	ENST00000379883	23586	NM_014314	DDX58
A_23_P27917	4,90397	3,89454	2,0131115573	ENST00000334920	26539	NM_013940	OR10H1
A_33_P3366614	3,67114	2,66173	2,013087666	N/A	N/A	N/A	N/A
A_33_P3245650	2,55394	1,5447	2,012850468	ENST00000619172	N/A	XM_006726815	N/A
A_21_P0003012	2,85418	1,84526	2,012404053	N/A	N/A	N/A	Inc-GAP43-9
A_24_P406006	8,69266	7,68387	2,012222725	ENST00000611696	79888	NM_024830	LPCAT1
A_22_P00003522	2,73484	1,7263	2,011874063	ENST00000577546	N/A	AF420438	N/A
A_33_P3328666	10,2026	9,19408	2,011846173	ENST00000310418	1212	NM_007097	CLTB
A_22_P00015350	3,16464	2,15659	2,011190862	N/A	N/A	BG199219	Inc-SPRYD3-1
A_33_P3352134	6,7309	5,72295	2,011051462	ENST00000473865	55054	NM_030803	ATG16L1
A_21_P0003186	2,86729	1,8595	2,010828441	ENST00000471357	339894	NR_034007	LINC00880
A_33_P3330473	7,0203	6,01253	2,010800566	ENST00000434854	55285	XR_244476	RBM41
A_33_P3288824	3,64251	2,63484	2,010661192	N/A	83740	NM_080720	H2AFB3
A_23_P123539	12,3895	11,3819	2,010563637	ENST00000517754	5520	NM_002717	PPP2R2A
A_24_P913339	9,79695	8,78944	2,010438215	ENST00000429494	54978	NM_017877	SLC35F6
A_22_P00017764	4,78533	3,77814	2,009992335	N/A	N/A	AK125966	Inc-YTHDC2-1
A_23_P32253	12,2846	11,2776	2,009727641	ENST00000297689	4783	NM_005384	NFIL3
A_22_P00006001	2,48317	1,47619	2,00969978	N/A	N/A	N/A	Inc-FADD-1
A_32_P809810	4,17909	3,17214	2,00965799	N/A	100130433	AK096255	LOC100130433
A_22_P00020423	2,67796	1,67113	2,009490839	N/A	N/A	CN288601	Inc-PANK3-5
A_33_P3272921	9,25199	8,2455	2,009017318	ENST00000263620	1820	NM_005224	ARID3A
A_21_P0000881	2,44473	1,43833	2,008891992	ENST00000592640	100631378	NR_040015	LOC100631378
A_22_P00006479	5,23628	4,22993	2,008822371	N/A	100506994	NR_038282	PTPRG-AS1
A_24_P152649	11,2299	10,2237	2,00861352	N/A	644189	NR_033748	LOC644189
A_33_P3371775	2,39416	1,38798	2,008585675	N/A	729187	AK130923	LOC729187
A_21_P0007808	3,37197	2,36587	2,008474298	N/A	N/A	N/A	Inc-RIMBP2-2
A_33_P3245679	9,295	8,28897	2,008376849	N/A	100129940	NM_001292023	LOC100129940
A_23_P111995	9,64557	8,63966	2,008209804	ENST00000389131	4017	NM_002318	LOXL2
A_21_P0012457	8,18826	7,18275	2,007653087	N/A	N/A	N/A	XL0C_I2_010330
A_22_P00010459	2,77161	1,76612	2,007625255	N/A	N/A	N/A	Inc-NACC1-1
A_21_P0012310	3,93174	2,92631	2,007541762	N/A	26220	NR_110533	DGCR5



A_33_P3281435	3,49666	2,4914	2,007305217	ENST00000471857	N/A	AF035035	N/A
A_23_P87082	8,32634	7,32114	2,007221738	ENST00000524971	64221	NM_022370	ROBO3
A_23_P7342	7,43936	6,43445	2,006818301	ENST00000505092	7365	NM_001075	UGT2B10
A_23_P5031	2,43883	1,43396	2,006762661	ENST00000621475	29124	NM_013268	LGALS13
A_22_P00012197	2,93867	1,93385	2,006693113	N/A	N/A	N/A	Inc-POU5F1B-4
A_32_P40744	6,60119	5,59646	2,006567933	N/A	101927085	XM_005276020	LOC101927085
A_22_P00015087	2,44513	1,4408	2,006011672	N/A	N/A	AF400486	Inc-SNURF-3
A_23_P413043	2,77525	1,771	2,005900438	ENST00000462262	100379661	NR_033368	GRIK1-AS2
A_22_P00007678	8,33152	7,32761	2,005427763	ENST00000506067	100132077	NR_033937	LOC100132077
A_33_P3387320	2,73211	1,72828	2,005316561	N/A	N/A	N/A	N/A
A_33_P3268798	8,81764	7,81399	2,005066381	N/A	134637	NM_001286259	ADAT2
A_23_P394986	4,78049	3,77717	2,004607797	ENST00000324768	200407	NM_153836	CREG2
A_21_P0000938	2,45326	1,45005	2,004454959	ENST00000423796	N/A	N/A	N/A
A_33_P3246193	3,50106	2,49801	2,00423267	N/A	54777	NM_001200049	CFAP46
A_23_P169039	12,3674	11,3647	2,003746499	ENST00000396822	6591	NM_003068	SNAI2
A_32_P107876	9,87055	8,86799	2,003552064	ENST00000512123	80144	NM_025074	FRAS1
A_22_P00008236	2,58576	1,58332	2,00338542	ENST00000605270	N/A	N/A	N/A
A_23_P31686	9,05919	8,05677	2,003357648	ENST00000521436	57805	NM_021174	CCAR2
A_32_P2392	9,05831	8,05604	2,003149365	ENST00000611771	23015	NM_181077	GOLGA8A
A_33_P3356371	4,99861	3,9964	2,003066058	N/A	N/A	AK127766	N/A
A_33_P3220643	12,4807	11,4786	2,002913338	ENST00000543175	138428	NM_001002913	PTRH1
A_33_P3262670	3,76621	2,76412	2,002899455	N/A	79649	NM_001173517	MAP7D3
A_22_P00011019	5,01672	4,01485	2,002594051	N/A	N/A	AW262356	Inc-NT5C-1
A_22_P00008755	2,45397	1,45213	2,002552409	ENST00000442956	339789	NR_034135	LINC00299
A_33_P3389758	3,44832	2,44652	2,002496887	N/A	N/A	N/A	N/A
A_23_P60079	3,02896	2,0272	2,002441367	ENST00000325203	285	NM_001147	ANGPT2
A_23_P251937	8,51645	7,51474	2,002371969	ENST00000334035	80315	NM_030627	CPEB4
A_19_P00315804	4,93346	3,93196	2,002080523	N/A	401491	N/A	VLDLR-AS1
A_22_P00001001	6,86592	5,86455	2,001900125	N/A	N/A	N/A	Inc-AL353698.1-1
A_23_P257478	4,49203	3,49089	2,001581	ENST00000448314	1589	NM_000500	CYP21A2
A_21_P0001218	3,01351	2,01252	2,001372902	ENST00000424696	N/A	N/A	N/A
A_33_P3231613	8,86359	7,86276	2,001150955	N/A	N/A	XM_006724857	Inc-CSAG1-1
A_23_P379020	6,86727	5,86654	2,001012251	ENST00000361928	114814	NR_002328	GNRHR2

A_21_P0007041	4,7334	3,73291	2,0006794	ENST00000583117	399706	N/A	LINC00200
A_21_P0014875	2,48948	1,48903	2,00062393	N/A	N/A	N/A	N/A
A_23_P411761	3,01765	2,01724	2,000568461	ENST00000288616	9478	NM_001033677	CABP1
A_23_P130919	10,4608	9,46065	2,000207955	ENST00000357066	126308	NM_130807	MOB3A
A_22_P00016274	2,69793	1,69802	1,999875237	N/A	N/A	N/A	Inc-TMEM109-1
A_21_P0001408	2,67584	1,67601	1,999764344	N/A	N/A	N/A	Inc-CD55-1
A_33_P3331646	4,39187	3,39205	1,999750483	N/A	101928787	XR_243602	LOC101928787
A_24_P340696	3,82138	2,82166	1,999611875	ENST00000416156	253190	NM_014509	SERHL2
A_22_P00023168	4,44927	3,44959	1,999556435	N/A	N/A	N/A	Inc-SERAC1-3
A_21_P0002517	2,47884	1,47919	1,999514856	N/A	N/A	N/A	Inc-STK39-1
A_23_P307161	2,60987	1,61028	1,9994317	N/A	N/A	AF118078	N/A
A_24_P335358	11,9792	10,9798	1,999168396	ENST00000322060	80324	NM_025215	PUS1
A_21_P0013114	3,82516	2,82583	1,999071398	N/A	N/A	N/A	XLOC_I2_013192
A_33_P3318926	6,191	5,1924	1,998060129	ENST00000617908	10497	NM_006377	UNC13B
A_23_P85004	9,25009	8,25162	1,997880094	ENST00000373054	1730	NM_007309	DIAPH2
A_24_P374382	11,8435	10,8451	1,997783159	N/A	7152	NR_001283	TOP1P2
A_24_P602871	8,81109	7,81282	1,997603148	ENST00000367474	389432	NM_001030060	SAMD5
A_24_P261383	13,0406	12,0424	1,997506226	ENST00000527068	79101	NM_024116	TAF1D
A_24_P555510	8,52526	7,52718	1,997340085	ENST00000327578	5108	NM_006197	PCM1
A_23_P106194	12,1662	11,1683	1,9970909	ENST00000303562	2353	NM_005252	FOS
A_23_P203658	9,73237	8,73458	1,996938635	ENST00000393346	8301	NM_007166	PICALM
A_21_P0013284	3,89482	2,89722	1,996675659	N/A	N/A	N/A	XLOC_I2_013730
A_23_P364766	11,5088	10,5112	1,996675659	ENST00000334534	128710	NM_001009608	SLX4IP
A_21_P0001241	2,68219	1,68462	1,99663414	ENST00000441459	101927660	XR_247098	LOC101927660
A_21_P0012482	4,13701	3,13966	1,996329692	ENST00000449350	N/A	N/A	N/A
A_32_P155460	11,8637	10,8664	1,996260506	ENST00000615826	378825	NR_024089	LINC00162
A_23_P331908	11,2288	10,2321	1,995430457	N/A	101060179	XM_003959932	LOC101060179
A_33_P3700794	10,892	9,89556	1,995070876	ENST00000551117	4234	NM_005371	METTL1
A_23_P346006	7,73539	6,73924	1,994669882	ENST00000425574	9236	NM_020739	CCPG1
A_21_P0010420	2,96627	1,97017	1,994600753	N/A	N/A	N/A	Inc-RP1-32 10.10.1-1
A_33_P3388067	6,28274	5,28683	1,994338086	ENST00000429565	730291	NM_001159524	ZNF735
A_33_P3250895	2,96112	1,96564	1,993743755	ENST00000408907	122706	NM_001099780	PSMB11
A_22_P00003405	2,64271	1,64741	1,993495018	N/A	N/A	N/A	Inc-CCDC125-6

A_22_P00007779	2,55688	1,56163	1,99342593	N/A	N/A	N/A	Inc-HNRNPA3-1
A_23_P47484	3,1864	2,19118	1,993384478	ENST00000532258	219970	NM_145016	GLYATL2
A_32_P38467	16,0175	15,0226	1,992942381	ENST00000602483	100093630	NR_003584	SNHG8
A_33_P3732854	3,14803	2,15323	1,992804245	N/A	81439	AY358215	OR9H1P
A_22_P00009241	4,23901	3,24428	1,992707556	ENST00000552201	101927653	N/A	LOC101927653
A_33_P3326892	5,20064	4,20599	1,99259706	N/A	N/A	AK130228	Inc-AC112512.1-1
A_22_P00002465	5,08833	4,09368	1,99259706	N/A	N/A	N/A	Inc-C15orf42-1
A_33_P3397147	6,71108	5,71654	1,992445138	ENST00000389915	130074	NM_001009993	FAM168B
A_19_P00321789	6,87451	5,87998	1,992431327	ENST00000440246	N/A	N/A	N/A
A_22_P00014717	2,60717	1,61264	1,992431327	N/A	N/A	N/A	Inc-SLC26A11-1
A_21_P0012328	8,2448	7,25034	1,992334656	N/A	N/A	N/A	XLOC_I2_009441
A_23_P208198	8,96482	7,9706	1,992003248	ENST00000588129	84765	NR_024181	ZNF577
A_22_P00018017	6,49436	5,50016	1,991975634	ENST00000440790	651302	NR_103448	ZNF192P1
A_23_P211355	9,19515	8,20137	1,99139581	ENST00000351989	54487	NM_022720	DGCR8
A_33_P3341144	7,18275	6,18914	1,991161168	ENST00000293288	581	NM_004324	BAX
A_21_P0009950	9,46947	8,47595	1,991036957	N/A	N/A	N/A	Inc-SSTR4-2
A_23_P79155	8,09339	7,09994	1,990940353	ENST00000470071	2863	NM_001508	GPR39
A_33_P3615955	3,99258	2,99914	1,990926553	N/A	N/A	N/A	N/A
A_22_P00002317	5,17342	4,18015	1,990691966	N/A	N/A	N/A	Inc-C11orf44-2
A_21_P0002774	3,13523	2,14208	1,990526392	ENST00000482351	N/A	N/A	N/A
A_22_P00012518	3,70756	2,71445	1,990471204	N/A	N/A	N/A	Inc-PSMG1-1
A_19_P00319080	5,338	4,34489	1,990471204	ENST00000509460	N/A	N/A	N/A
A_22_P00022005	5,37448	4,38138	1,990457407	N/A	N/A	AK124134	Inc-B4GALT7-1
A_33_P3402570	11,5352	10,5422	1,990319444	ENST00000256151	29080	NM_014167	CCDC59
A_33_P3246990	12,1222	11,1292	1,990319444	ENST00000355640	331	NM_001167	XIAP
A_23_P209987	10,1392	9,14625	1,990250466	ENST00000448770	84172	NM_019014	POLR1B
A_23_P77228	9,26189	8,26914	1,989974577	ENST00000420329	64784	NM_022769	CRTC3
A_23_P256021	13,4169	12,4242	1,989905611	ENST00000484069	81887	NM_031206	LAS1L
A_21_P0010057	4,47658	3,48414	1,989547026	N/A	N/A	N/A	Inc-FAM65C-2
A_21_P0013621	4,47485	3,4827	1,989147142	N/A	N/A	N/A	XLOC_I2_015121
A_24_P15712	2,3596	1,36748	1,98910578	N/A	643659	AK056971	LOC643659
A_19_P00807328	5,43533	4,44332	1,988954124	N/A	102724209	XR_424249	LOC102724209
A_33_P3279426	2,91539	1,92347	1,98883005	ENST00000458528	26058	N/A	GIGYF2

A_23_P203665	8,6044	7,61254	1,988747339	ENST00000278544	55331	NM_018367	ACER3
A_33_P3249936	7,08245	6,09103	1,988140894	ENST00000482387	200844	NM_198463	C3orf67
A_23_P422212	5,89673	4,90552	1,987851519	ENST00000366617	148641	NM_173508	SLC35F3
A_22_P00021158	5,10282	4,11195	1,987383097	N/A	N/A	N/A	Inc-GOLPH3-1
A_33_P3338449	5,04989	4,05916	1,98719025	ENST00000579457	124923	NM_001174103	SGK494
A_21_P0007328	2,42818	1,43753	1,98708006	N/A	N/A	N/A	Inc-RP11-17A1.2.1-2
A_33_P3282060	2,60143	1,61081	1,98703874	ENST00000327337	121006	NM_001145475	FAM186A
A_21_P0013383	4,01861	3,02801	1,987011194	N/A	442319	N/A	ZNF727
A_23_P66328	3,38811	2,39781	1,986598049	ENST00000567001	348158	NM_182617	ACSM2B
A_33_P3346628	4,89052	3,90038	1,986377741	ENST00000434396	100131244	NM_001190479	ANKRD63
A_23_P16834	5,38043	4,39033	1,986322667	ENST00000491414	64838	NM_022823	FNDC4
A_32_P116840	10,1617	9,17167	1,986226293	ENST00000486333	4253	NM_203356	CTAGE5
A_33_P3389898	2,74161	1,75188	1,985813312	ENST00000313253	219986	NM_001004706	OR4D11
A_33_P3283833	3,33859	2,34888	1,985785783	ENST00000375978	2307	NM_004118	FOXS1
A_21_P0013554	3,32951	2,34011	1,985359132	ENST00000413145	N/A	N/A	N/A
A_21_P0001945	3,46053	2,4712	1,985262804	ENST00000424655	101927156	N/A	LOC101927156
A_22_P00008388	2,42604	1,43674	1,985221522	N/A	N/A	AK057311	Inc-JMJD4-1
A_24_P940803	10,5191	9,53085	1,983777194	ENST00000613142	85465	NM_033505	EPT1
A_23_P380298	8,0277	7,03954	1,983653443	ENST00000337576	9762	NM_001282533	LZTS3
A_21_P0014172	9,80546	8,81739	1,983529701	N/A	8365	BC010926	HIST1H4H
A_21_P0010722	2,36604	1,37828	1,983103534	ENST00000445243	N/A	N/A	N/A
A_22_P00001647	2,68369	1,69596	1,983062297	N/A	N/A	N/A	Inc-ASB4-2
A_33_P3412349	5,2806	4,29289	1,983034806	ENST00000228289	10795	NM_152943	ZNF268
A_23_P130677	3,0431	2,05546	1,982938591	ENST00000616433	55908	NM_018687	C19orf80
A_33_P3374718	2,47934	1,49173	1,982897358	N/A	220906	NR_033805	WAC-AS1
A_22_P00010217	6,3131	5,32549	1,982897358	ENST00000539116	N/A	N/A	N/A
A_23_P128351	2,52246	1,53489	1,982842381	ENST00000252322	84766	NM_032680	CRACR2A
A_23_P106389	7,76255	6,77508	1,982704945	ENST00000542748	8482	NM_003612	SEMA7A
A_23_P316582	4,71229	3,72491	1,982581262	ENST00000409902	126068	NM_152355	ZNF441
A_23_P81131	3,94975	2,9624	1,982540035	ENST00000610355	10699	NM_006587	CORIN
A_22_P00004795	7,08288	6,09559	1,982457586	N/A	N/A	BC016361	Inc-CXCL2-1
A_33_P3294415	3,74495	2,75781	1,982251476	N/A	N/A	N/A	N/A
A_21_P0000559	2,4647	1,47761	1,982182778	ENST00000607004	286411	NR_028345	LINC00632

A_23_P258814	10,5592	9,57247	1,981688219	ENST00000486648	100132911	NM_080750	DPH3P1
A_23_P14482	15,7575	14,7712	1,981097659	ENST00000553479	51637	NM_016039	C14orf166
A_22_P00025471	2,5892	1,60299	1,980974075	ENST00000510444	101928539	N/A	LOC101928539
A_23_P134663	3,84871	2,86253	1,980932882	ENST00000309982	79870	NM_024812	BAALC
A_33_P3358735	2,73038	1,74427	1,980836769	ENST00000545128	5125	NM_001190482	PCSK5
A_33_P3266719	5,16799	4,18202	1,980644557	ENST00000394764	54790	NM_017628	TET2
A_32_P24376	3,38874	2,40318	1,980081757	ENST00000391418	730755	NM_001165252	KRTAP2-3
A_23_P22214	6,90642	5,9211	1,979752387	ENST00000454963	5576	NM_004157	PRKAR2A
A_22_P00008992	2,51196	1,52714	1,979066376	N/A	N/A	N/A	Inc-LAMP5-1
A_22_P00007481	5,43955	4,45481	1,978956637	N/A	55853	NR_024629	IDI2-AS1
A_21_P0006235	2,89615	1,91153	1,978792038	N/A	N/A	N/A	Inc-DBH-2
A_33_P3216714	5,64118	4,65658	1,978764607	ENST00000371069	9829	NM_001256864	DNAJC6
A_33_P3322288	10,3301	9,3457	1,978490311	ENST00000414162	64343	NM_001134433	AZI2
A_23_P252211	9,67862	8,69437	1,978284614	ENST00000510525	4552	NM_024010	MTRR
A_22_P00003561	4,36951	3,38526	1,978284614	N/A	N/A	N/A	Inc-CCRN4L-7
A_21_P0003814	2,89966	1,9156	1,978024095	N/A	N/A	N/A	Inc-IRF2-2
A_23_P98900	9,62606	8,64206	1,977941833	ENST00000614047	80212	NM_025140	CCDC92
A_22_P00012196	4,93314	3,9492	1,977859574	N/A	N/A	BF028593	Inc-POU5F1B-3
A_33_P3272429	2,61883	1,63522	1,977407213	ENST00000472407	90693	HY032596	CCDC126
A_22_P00001146	6,49191	5,50835	1,977338683	ENST00000569025	283856	NR_027078	LOC283856
A_23_P89902	8,58465	7,6011	1,977324977	ENST00000587597	6253	NM_005619	RTN2
A_21_P0010294	6,86193	5,87863	1,976982362	ENST00000441283	N/A	N/A	N/A
A_33_P3415087	6,94887	5,96595	1,976461702	ENST00000376088	1184	NM_001127899	CLCN5
A_33_P3323448	6,69673	5,71383	1,976434302	ENST00000496438	81502	NM_178582	HM13
A_22_P00016378	2,87562	1,89287	1,976228819	ENST00000415700	339822	NR_033880	LINC01115
A_22_P00011312	3,96804	2,98542	1,976050751	N/A	N/A	N/A	Inc-OSBPL9-1
A_32_P190151	4,62126	3,6388	1,975831612	ENST00000478666	692099	NR_024241	FAM86DP
A_24_P687326	5,93645	4,95407	1,975722052	ENST00000453010	286333	NR_024366	FAM225A
A_23_P88909	6,75979	5,77748	1,975626191	ENST00000618464	9143	NM_004209	SYNGR3
A_33_P3267665	7,89289	6,91077	1,975366022	ENST00000262096	51201	NM_016353	ZDHHC2
A_22_P00017559	3,23007	2,24812	1,975133269	N/A	100130548	XR_110579	LOC100130548
A_24_P169773	12,9785	11,9967	1,974927921	ENST00000486333	100128553	NM_198495	CTAGE4
A_33_P3244951	10,5396	9,55808	1,974544662	ENST00000394553	5151	NM_001243137	PDE8A

A_21_P0010647	5,65281	4,67137	1,974435173	ENST00000357336	441425	N/A	ANKRD20A3
A_33_P3283430	2,57794	1,59665	1,974229897	ENST00000423870	80343	NM_001271539	SEL1L2
A_22_P00015145	2,64973	1,66861	1,973997277	ENST00000563639	101927537	XR_245482	LOC101927537
A_24_P145066	7,9609	6,98008	1,973586839	ENST00000377083	23095	NM_183416	KIF1B
A_33_P3336242	4,10061	3,12014	1,973108102	ENST00000530447	392197	NM_001256869	USP17L7
A_21_P0010132	12,3667	11,3864	1,972875614	ENST00000615826	378825	NR_024089	LINC00162
A_21_P0002313	2,34484	1,36477	1,972561116	N/A	N/A	N/A	Inc-AC007405.7.1-1
A_21_P0010625	3,99906	3,0191	1,972410721	N/A	N/A	N/A	XLOC_I2_000945
A_24_P415624	7,84651	6,86662	1,972315022	ENST00000377037	22877	NM_014938	MLXIP
A_23_P14458	7,81378	6,83399	1,972178316	ENST00000247194	112849	NM_144581	L3HYPDH
A_33_P3253598	3,99053	3,01076	1,972150976	ENST00000382963	352887	NR_033667	GYG2P1
A_22_P00000994	8,76369	7,78409	1,971918601	ENST00000602933	N/A	N/A	N/A
A_23_P386888	5,76138	4,78199	1,971631588	ENST00000435757	4018	NM_005577	LPA
A_22_P00000833	3,49239	2,51313	1,971453934	N/A	N/A	N/A	Inc-AGAP10-3
A_21_P0000276	9,39967	8,42061	1,971180651	N/A	641648	NR_002598	SNORD87
A_22_P00011031	7,925	6,94597	1,971139662	ENST00000538430	N/A	N/A	N/A
A_21_P0001024	2,98365	2,00463	1,971125999	ENST00000430905	N/A	N/A	N/A
A_21_P0010056	2,79168	1,81271	1,971057686	N/A	N/A	N/A	nc-TMEM189-UBE2V1-
A_22_P00016077	2,9421	1,96326	1,970880084	ENST00000419800	101929460	XR_245641	LOC101929460
A_22_P00003799	7,17405	6,19528	1,970784459	ENST00000555403	N/A	BX102825	N/A
A_23_P58788	3,15415	2,17547	1,970661519	ENST00000231656	1044	NM_001804	CDX1
A_22_P00011234	6,03429	5,05566	1,970593222	ENST00000612524	N/A	N/A	N/A
A_22_P00017076	2,77714	1,79855	1,970538586	ENST00000517369	N/A	N/A	N/A
A_21_P0001688	3,65954	2,6811	1,970333716	N/A	N/A	N/A	Inc-PTGFR-1
A_23_P411296	15,6884	14,71	1,970279087	ENST00000303004	1051	NM_005194	CEBPB
A_32_P393316	9,42926	8,45121	1,969801153	ENST00000405493	10411	NM_001098531	RAPGEF3
A_23_P133694	10,1283	9,15044	1,969541751	ENST00000371724	2030	NM_001078177	SLC29A1
A_21_P0000362	8,72596	7,74812	1,969514448	ENST00000529900	677792	NR_003026	SNORA1
A_33_P3334102	11,2089	10,2313	1,969186836	ENST00000290470	201176	NM_174919	ARHGAP27
A_22_P00013173	2,82415	1,84683	1,96880469	N/A	N/A	AK128297	Inc-RNF135-2
A_23_P205623	6,26017	5,28293	1,96869552	ENST00000556027	80821	NM_030637	DDHD1
A_32_P133090	3,69453	2,71748	1,968436264	ENST00000610060	N/A	BG216262	N/A
A_23_P114084	4,72079	3,74377	1,968395332	ENST00000379374	5251	NM_000444	PHEX

A_33_P3336282	3,59763	2,6207	1,968272541	ENST00000400466	6875	NM_001293725	TAF4B
A_23_P50678	2,94986	1,97322	1,967876933	ENST00000612526	4145	NM_139355	MATK
A_33_P3424867	2,7615	1,78525	1,967345033	ENST00000617217	N/A	N/A	N/A
A_33_P3335845	12,429	11,4529	1,967140495	ENST00000409658	55339	NM_001006622	WDR33
A_24_P51201	2,36471	1,3888	1,966881444	N/A	8916	BC038960	HERC3
A_23_P99614	5,80154	4,82564	1,96686781	ENST00000536364	90135	NM_033271	BTBD6
A_23_P74269	11,8891	10,9133	1,966731482	ENST00000376957	6723	NM_003132	SRM
A_22_P00022691	3,39808	2,42249	1,966445224	ENST00000540875	N/A	N/A	N/A
A_22_P00012494	2,5845	1,60899	1,966336184	N/A	N/A	BC013641	Inc-PSCA-3
A_22_P00005197	3,13316	2,15771	1,966254408	N/A	100874255	NR_046552	RNASEH2B-AS1
A_33_P3403044	10,6887	9,71329	1,966199893	ENST00000306434	4144	NM_005911	MAT2A
A_33_P3862375	7,57935	6,60406	1,966036356	ENST00000327681	85015	NM_001080481	USP45
A_32_P62090	4,9579	3,98281	1,965763824	ENST00000299415	101927581	NM_001282544	CCDC182
A_23_P207981	5,98022	5,00517	1,965709322	ENST00000582322	9306	NM_004232	SOCS6
A_33_P3387666	2,55962	1,58497	1,965164387	ENST00000372847	81605	NM_001265582	URM1
A_22_P00008355	3,70007	2,72547	1,965096281	N/A	N/A	AK023543	Inc-IWS1-1
A_23_P145114	12,6503	11,6762	1,964415349	ENST00000616923	2729	NM_001498	GCLC
A_24_P116017	5,96977	4,99572	1,964347268	ENST00000541212	5715	NM_002813	PSMD9
A_22_P00009026	9,06272	8,08893	1,963993289	N/A	N/A	N/A	Inc-LCLAT1-2
A_33_P3397743	3,7887	2,81528	1,963489659	ENST00000540293	N/A	N/A	N/A
A_23_P70509	5,25867	4,28571	1,962863705	ENST00000376483	79969	NM_024909	ATAT1
A_21_P0011062	2,37073	1,39812	1,962387569	ENST00000554108	N/A	N/A	N/A
A_19_P00810491	5,8351	4,86257	1,962278754	ENST00000457669	N/A	N/A	N/A
A_33_P3232707	2,63261	1,66066	1,961490027	N/A	100129223	NR_126055	LOC100129223
A_24_P68068	2,54304	1,57132	1,961177343	ENST00000607111	N/A	AK097770	N/A
A_22_P00015760	2,42333	1,45165	1,961122969	ENST00000584547	N/A	CR745271	N/A
A_22_P00009895	3,72476	2,75331	1,960810344	ENST00000509671	N/A	N/A	N/A
A_33_P3302518	4,58056	3,60926	1,960606485	ENST00000269318	55036	NM_001243342	CCDC40
A_23_P85188	10,2986	9,32771	1,960049379	ENST00000372742	64860	NM_022838	ARMCX5
A_22_P00005863	10,6476	9,67673	1,960022207	ENST00000433197	2081	XM_006721769	ERN1
A_33_P3369317	5,59082	4,62032	1,959519595	ENST00000541010	25822	NM_001135005	DNAJB5
A_21_P0005165	2,43412	1,46374	1,959356614	N/A	N/A	N/A	Inc-MRPS18A-2
A_23_P53588	2,51847	1,5482	1,959207226	ENST00000310594	81029	NM_030775	WNT5B

A_22_P00021931	2,69733	1,72713	1,959112167	N/A	N/A	AK125786	Inc-RDH10-3
A_21_P0006338	4,85951	3,88935	1,95905785	N/A	100133077	XR_426463	LOC100133077
A_21_P0014799	3,90492	2,93484	1,958949219	N/A	N/A	N/A	N/A
A_21_P0003416	2,59686	1,6269	1,958786285	ENST00000505586	N/A	N/A	N/A
A_23_P110430	8,69831	7,72856	1,958501183	ENST00000382723	4487	NM_002448	MSX1
A_22_P00015310	3,35288	2,38314	1,958487608	N/A	102723590	NR_110631	BMP7-AS1
A_22_P00006449	5,99581	5,02614	1,958392584	N/A	N/A	BC019844	Inc-FBXW5-1
A_22_P00005934	3,41922	2,44963	1,958283991	ENST00000620188	N/A	AL137279	N/A
A_21_P0014454	2,47432	1,50491	1,958039678	N/A	100507600	NR_045486	LOC100507600
A_21_P0001611	3,71887	2,74954	1,957931104	N/A	N/A	N/A	Inc-FMOD-2
A_23_P217704	2,90261	1,93352	1,957605419	ENST00000381161	8908	NM_003918	GYG2
A_33_P3354181	8,20459	7,236	1,956927082	ENST00000409785	56888	NM_020122	KCMF1
A_22_P00016867	3,51661	2,54812	1,956791443	N/A	84983	NR_026661	FAM222A-AS1
A_33_P3263232	4,66388	3,6954	1,956777879	ENST00000291592	81543	BC064321	LRR3
A_21_P0014392	4,08185	3,114	1,955923575	N/A	N/A	N/A	LOC100507373
A_32_P28939	12,1228	11,1551	1,955720224	ENST00000429722	121642	NM_001001655	ALKBH2
A_22_P00018762	3,22243	2,25488	1,955516894	ENST00000524479	N/A	BE294561	N/A
A_33_P3257027	7,93921	6,97167	1,95550334	ENST00000377614	2252	NM_002009	FGF7
A_33_P3260317	5,7031	4,73572	1,955286479	ENST00000487099	2649	NM_033334	NR6A1
A_22_P00011224	2,85472	1,88747	1,955110298	ENST00000521558	N/A	BY799221	N/A
A_19_P00319057	3,00677	2,03954	1,955083195	N/A	N/A	N/A	XLOC_I2_006673
A_33_P3387106	2,97434	2,00752	1,954527658	N/A	N/A	N/A	N/A
A_19_P00322479	5,84532	4,87854	1,954473468	ENST00000414404	644838	N/A	LOC644838
A_22_P00020061	2,83715	1,87078	1,953918104	N/A	101927380	NR_121183	C9orf41-AS1
A_24_P374427	5,07415	4,10783	1,953850388	ENST00000380916	340481	NM_178566	ZDHHC21
A_33_P3325723	4,86186	3,89596	1,953281662	ENST00000492964	1123	NM_001822	CHN1
A_24_P137434	13,8555	12,8897	1,953146276	ENST00000326840	131566	NM_080927	DCBLD2
A_22_P00001542	2,4372	1,47149	1,953024436	N/A	N/A	N/A	Inc-ARHGEF35-1
A_24_P161973	11,1784	10,2128	1,952875531	ENST00000487903	23250	NM_015205	ATP11A
A_23_P306479	6,68683	5,72128	1,95280785	N/A	100009676	NR_024407	ZBTB11-AS1
A_23_P162378	9,29143	8,32609	1,952523619	ENST00000397807	51134	NM_016122	CEP83
A_24_P235783	10,85	9,88479	1,952347686	ENST00000463343	7536	D26121	SF1
A_33_P3333107	5,24365	4,2785	1,952266492	ENST00000602862	N/A	N/A	N/A



A_22_P00012004	7,57767	6,61267	1,952063522	ENST00000564138	5336	NM_002661	PLCG2
A_21_P0003946	5,08852	4,1236	1,951955279	N/A	N/A	N/A	Inc-NDUFS6-1
A_33_P3283480	9,68037	8,71545	1,951955279	ENST00000524463	1075	NM_148170	CTSC
A_32_P3534	4,48372	3,51892	1,951792927	ENST00000378919	145814	NM_001167902	PGPEP1L
A_24_P127159	7,88654	6,92176	1,951765869	ENST00000474858	N/A	M69012	N/A
A_22_P00009391	3,06806	2,10337	1,951644116	N/A	N/A	N/A	Inc-LSR-1
A_23_P144123	5,0928	4,12828	1,951414157	ENST00000311856	9390	NM_004256	SLC22A13
A_33_P3398862	7,79146	6,82733	1,950886708	ENST00000272233	388	AK309991	RHOB
A_24_P264166	5,76077	4,79691	1,950521634	ENST00000569308	653720	NM_001282468	GOLGA8M
A_33_P3412188	2,75798	1,79455	1,949940361	ENST00000514625	199990	NM_001146310	C1orf86
A_33_P3315288	4,25553	3,29211	1,949926845	ENST00000341809	374454	NM_175078	KRT77
A_21_P0006240	4,66775	3,70433	1,949926845	N/A	N/A	N/A	Inc-OLFM1-1
A_22_P00005792	2,91086	1,94755	1,949778177	N/A	N/A	N/A	Inc-EPB41L4B-1
A_23_P217379	13,4381	12,4748	1,949764662	ENST00000394872	1288	NM_033641	COL4A6
A_21_P0010253	3,02076	2,05772	1,94941331	N/A	N/A	N/A	Inc-UMODL1-1
A_21_P0014245	2,32784	1,36493	1,949237658	ENST00000391437	399716	XR_247499	DKFZp667F0711
A_22_P00024653	3,17194	2,20904	1,949224147	N/A	N/A	N/A	Inc-CPM-3
A_22_P00018528	2,60777	1,64512	1,948886402	N/A	N/A	DB064085	Inc-DENND1B-1
A_22_P00017617	4,85589	3,89328	1,948832368	N/A	N/A	N/A	Inc-WFIKKN2-1
A_22_P00000849	2,83269	1,87017	1,948710797	N/A	N/A	N/A	Inc-AGGF1-3
A_22_P00013819	3,68724	2,72482	1,948575727	ENST00000610020	79871	AK124503	RPAP2
A_24_P148026	4,77127	3,8091	1,948238094	N/A	N/A	XM_006710074	Inc-C1orf86-1
A_33_P3389658	5,02533	4,06325	1,948116561	ENST00000502484	5144	NM_001165899	PDE4D
A_23_P92132	12,4957	11,5337	1,948008537	ENST00000474556	7866	NM_006764	IFRD2
A_23_P23839	10,3427	9,38077	1,947914021	ENST00000487787	59352	NM_001017403	LGR6
A_21_P0000367	10,9428	9,98088	1,94790052	ENST00000529900	692063	NR_003032	SNORA32
A_23_P67453	9,15194	8,19004	1,947873516	ENST00000586669	7137	NM_000363	TNNI3
A_33_P3414561	2,34382	1,38215	1,947563003	ENST00000569307	N/A	N/A	N/A
A_22_P00001584	2,52723	1,5656	1,947509006	N/A	N/A	N/A	Inc-ARL6IP5-2
A_32_P57160	2,50654	1,54493	1,947482008	ENST00000618177	401507	NR_026803	FAM74A1
A_22_P00001280	2,5476	1,586	1,947468509	N/A	N/A	N/A	Inc-ANKRD65-1
A_21_P0000411	2,39465	1,43333	1,947090579	N/A	767592	NR_003207	SNORD114-14
A_33_P3366589	2,97783	2,0167	1,946834168	ENST00000316529	196335	NM_001005181	OR56B4

A_33_P3789894	7,01593	6,0549	1,946699228	N/A	654321	AW382724	SNORA75
A_21_P0003911	8,15429	7,19354	1,946321447	N/A	N/A	N/A	Inc-DCTD-1
A_21_P0014792	3,31989	2,35921	1,946227013	N/A	N/A	N/A	N/A
A_33_P3422213	2,46823	1,50761	1,946146074	ENST00000341435	152110	XR_427255	NEK10
A_22_P00012631	2,42627	1,46585	1,945876299	N/A	N/A	N/A	Inc-PTX4-1
A_23_P210726	13,8605	12,9001	1,945849324	ENST00000439880	994	NM_021873	CDC25B
A_24_P192914	3,18014	2,21982	1,945741426	ENST00000534294	120425	NM_153206	AMICA1
A_22_P00006678	3,35051	2,39041	1,945444738	N/A	N/A	N/A	Inc-FPGT-1
A_22_P00007611	4,37558	3,41556	1,945336863	N/A	N/A	N/A	Inc-HEATR4-1
A_23_P67042	11,9089	10,949	1,945175061	ENST00000588132	55034	NM_017947	MOCOS
A_23_P501770	7,03566	6,07592	1,944959346	ENST00000346691	84126	NM_032166	ATRIP
A_33_P3259775	8,13035	7,17066	1,94489194	ENST00000276440	80005	NM_024940	DOCK5
A_33_P3209716	8,87974	7,92021	1,944676257	ENST00000399039	1500	NM_001206885	CTNND1
A_22_P00016481	2,8438	1,88436	1,944554945	N/A	N/A	N/A	Inc-TMEM88B-2
A_21_P0002547	2,44184	1,48268	1,94417758	N/A	N/A	N/A	Inc-IRS1-1
A_23_P61426	12,0031	11,044	1,944096726	ENST00000382490	4482	NM_012331	MSRA
A_23_P67271	8,55072	7,59169	1,9440024	ENST00000591461	5585	NM_002741	PKN1
A_23_P61268	10,684	9,72509	1,943840709	ENST00000534255	51236	NM_016458	HGH1
A_33_P3224800	7,53477	6,5759	1,943786815	ENST00000435988	654816	N/A	NCF1B
A_33_P3365117	7,40927	6,45064	1,943463483	ENST00000380859	1645	N/A	AKR1C1
A_32_P70135	12,1157	11,1571	1,94342307	ENST00000484434	80209	NM_025138	PROSER1
A_22_P00012221	2,58494	1,62643	1,943301837	N/A	N/A	N/A	Inc-PPFIA2-1
A_23_P311010	5,82353	4,86515	1,943126735	ENST00000302805	10251	NM_005840	SPRY3
A_21_P0006634	2,59157	1,63329	1,942992053	ENST00000437289	N/A	N/A	N/A
A_23_P106806	5,84771	4,88945	1,942965117	ENST00000565903	83886	NM_031948	PRSS27
A_33_P3311403	2,49116	1,53303	1,942790046	ENST00000547195	10335	NM_130385	MRVI1
A_22_P00007038	2,95033	1,99236	1,942574596	N/A	N/A	N/A	Inc-GJA4-1
A_21_P0014737	2,41857	1,46077	1,942345706	ENST00000521923	23414	BG191046	ZFPM2
A_23_P62099	6,33005	5,37247	1,942049536	ENST00000247452	51438	NM_016249	MAGEC2
A_33_P3611762	9,37068	8,41349	1,941524618	ENST00000606714	401264	NR_103446	TRAM2-AS1
A_21_P0014178	3,59094	2,63384	1,941403503	N/A	N/A	N/A	N/A
A_22_P00017106	2,43817	1,48115	1,941295851	N/A	N/A	N/A	Inc-U2SURP-3
A_22_P00001948	2,33642	1,37947	1,941201661	N/A	101929524	NR_109946	LOC101929524

A_23_P53198	8,65264	7,69583	1,941013295	ENST00000603363	84649	NM_032564	DGAT2
A_23_P333852	6,21969	5,26293	1,940946026	ENST00000373776	158135	NM_194252	TTL11
A_22_P00009630	2,60304	1,64629	1,940932572	N/A	101927768	NR_125845	LOC101927768
A_22_P00024341	3,02247	2,06577	1,940865306	ENST00000552524	N/A	BG401236	N/A
A_23_P144126	2,39103	1,43444	1,940717328	ENST00000420570	26998	NM_014375	FETUB
A_24_P114255	9,9299	8,97369	1,940206218	ENST00000305997	129642	NM_138799	MBOAT2
A_33_P3377045	9,53387	8,57767	1,94019277	ENST00000381854	55664	HQ447209	CDC37L1
A_22_P00017549	3,03594	2,08	1,939843143	N/A	N/A	N/A	Inc-WDR37-3
A_23_P154457	5,36949	4,41367	1,939681798	ENST00000538384	79954	NM_024894	NOL10
A_21_P0001403	2,6094	1,65367	1,939560798	N/A	N/A	N/A	Inc-CDC73-1
A_33_P3260787	3,41472	2,45901	1,939533911	ENST00000342616	55680	AK000925	RUFY2
A_21_P0011130	2,70323	1,7477	1,939291937	N/A	N/A	N/A	XLOC_I2_003647
A_22_P00017787	3,54488	2,58948	1,939117197	N/A	N/A	N/A	Inc-ZBED1-1
A_21_P0004870	2,38637	1,43101	1,939063434	N/A	N/A	N/A	Inc-GPX5-2
A_23_P131020	10,9067	9,95143	1,938942472	ENST00000418032	54815	NM_017660	GATAD2A
A_23_P389465	2,73075	1,77557	1,938821519	ENST00000545002	283455	NM_173598	KSR2
A_33_P3347020	2,5323	1,5772	1,938714011	N/A	N/A	N/A	N/A
A_21_P0014582	6,70467	5,74975	1,938472139	N/A	N/A	N/A	Inc-KCNMB4-1
A_19_P00323413	11,7812	10,8264	1,938310908	ENST00000366956	5784	NM_005401	PTPN14
A_33_P3238007	9,44607	8,49189	1,937478096	ENST00000507377	55132	NM_178043	LARP1B
A_22_P00012814	3,38444	2,43028	1,937451237	N/A	N/A	AK125205	Inc-RAPH1-1
A_33_P3535649	6,80266	5,84858	1,937343805	ENST00000416288	84256	NM_032296	FLYWCH1
A_32_P223777	6,54326	5,58919	1,937330376	ENST00000381298	3572	NM_002184	IL6ST
A_32_P68050	7,75813	6,80411	1,937263234	ENST00000512193	4750	NM_012224	NEK1
A_22_P00009210	2,52074	1,56675	1,937222951	N/A	N/A	N/A	Inc-LPIN2-1
A_23_P16096	9,20129	8,24735	1,937155813	ENST00000466025	56342	NM_020230	PPAN
A_22_P00018146	2,36452	1,41058	1,937155813	N/A	N/A	N/A	Inc-ZNF516-4
A_21_P0000249	5,70078	4,74724	1,936618794	ENST00000489392	26820	NR_002447	SNORD24
A_21_P0002167	3,48093	2,52754	1,93641745	N/A	N/A	N/A	Inc-HPCAL1-1
A_23_P204782	6,29163	5,33848	1,936095343	ENST00000430606	56890	NM_020128	MDM1
A_22_P00024041	2,42176	1,46872	1,935947729	N/A	101929526	NR_109955	LOC101929526
A_22_P00015504	2,61029	1,65726	1,93593431	N/A	N/A	N/A	Inc-STAT3-1
A_24_P187056	4,11967	3,16667	1,935894054	N/A	100874392	NR_046228	ANKRD20A12P

A_24_P12998	2,59564	1,64294	1,935491538	ENST00000483385	30819	NM_173197	KCNIP2
A_24_P364970	9,45089	8,49856	1,934995217	ENST00000225296	56919	NM_020162	DHX33
A_21_P0013985	3,03509	2,08285	1,934874509	N/A	100507494	AK090481	LOC100507494
A_23_P630	7,0405	6,08858	1,934445388	ENST00000491308	55154	NM_018116	MSTO1
A_21_P0013213	8,68694	7,73505	1,934405163	N/A	442319	N/A	ZNF727
A_33_P3257993	8,20065	7,24878	1,934378346	ENST00000217740	54941	NM_017831	RNF125
A_23_P107247	4,03722	3,0854	1,934311307	ENST00000360761	8913	NM_018896	CACNA1G
A_23_P418785	2,54013	1,58837	1,934230863	ENST00000273666	9515	NM_014980	STXBPSL
A_22_P00007050	2,50159	1,54988	1,934163829	N/A	N/A	N/A	Inc-GK-4
A_33_P3335233	7,75883	6,80717	1,934096797	ENST00000354624	80201	NM_025130	HKDC1
A_33_P3379526	2,73117	1,77962	1,933949335	N/A	N/A	AK127601	N/A
A_22_P00008729	4,17077	3,21929	1,933855501	N/A	N/A	N/A	Inc-KIAA1737-2
A_21_P0010887	6,34206	5,39062	1,933801884	N/A	101929917	XR_252773	LOC101929917
A_33_P3334773	3,69115	2,73975	1,933748269	ENST00000250003	4654	NM_002478	MYOD1
A_23_P39703	5,68592	4,73457	1,933681251	ENST00000263817	8647	NM_003742	ABCB11
A_24_P96234	8,40829	7,45705	1,933533821	ENST00000250237	81890	NM_031209	QTRT1
A_19_P00317824	11,7101	10,7589	1,933480213	ENST00000415215	554203	N/A	JPX
A_22_P00012679	4,01305	3,06218	1,933038002	N/A	N/A	AK125730	Inc-QRFP-1
A_23_P309803	12,4168	11,466	1,932944213	ENST00000247930	27153	NM_015694	ZNF777
A_21_P0010580	4,85639	3,90563	1,932890621	N/A	N/A	N/A	XL0C_I2_000657
A_33_P3361412	5,84594	4,89526	1,932783441	ENST00000369502	55356	NM_018420	SLC22A15
A_21_P0004527	2,39736	1,44713	1,932180669	N/A	N/A	N/A	Inc-TCF7-3
A_21_P0013451	3,70147	2,75149	1,931845877	N/A	100996266	N/A	LINC01510
A_22_P00010444	2,55308	1,60311	1,931832486	N/A	101927623	NR_110996	LOC101927623
A_22_P00011163	2,57189	1,62208	1,931618251	N/A	N/A	BQ429976	Inc-OCA2-2
A_23_P105664	12,5971	11,6474	1,931470978	ENST00000548126	29080	NM_014167	CCDC59
A_33_P3261298	2,54835	1,59916	1,930788314	ENST00000230671	6534	NM_014228	SLC6A7
A_33_P3317282	8,6616	7,71248	1,930694634	ENST00000368494	116150	N/A	NUS1
A_23_P314811	3,02801	2,07891	1,930667869	ENST00000273861	201780	NM_152679	SLC10A4
A_24_P221235	3,08282	2,13374	1,930641104	ENST00000524329	N/A	XR_246704	N/A
A_33_P3336233	7,48789	6,539	1,930386859	ENST00000417913	8266	NM_014235	UBL4A
A_21_P0011697	4,08447	3,13566	1,930279819	N/A	101927667	XR_430241	LINC01535
A_24_P917178	2,89738	1,9486	1,93023968	N/A	284912	BC001801	LOC284912

A_22_P00012715	2,91664	1,96806	1,929972111	ENST00000533329	N/A	N/A	N/A
A_23_P66664	8,52066	7,57208	1,929972111	ENST00000614122	6871	NM_133439	TADA2A
A_22_P00014271	2,57676	1,62829	1,929824964	N/A	100507086	NR_038289	DLG1-AS1
A_33_P3393927	11,0185	10,0702	1,929597576	ENST00000369140	10903	NM_181873	MTMR11
A_22_P00000887	2,43135	1,48326	1,929316722	ENST00000447848	101928326	XR_245604	LOC101928326
A_23_P250212	13,4417	12,4938	1,929062652	ENST00000615670	157285	NM_001080826	SGK223
A_23_P41267	9,2541	8,30639	1,928808615	ENST00000597991	401127	NR_026854	LOC401127
A_33_P3390357	12,5804	11,6327	1,928795246	ENST00000410092	56907	NM_001128626	SPIRE1
A_22_P00005479	5,5468	4,59934	1,928474407	N/A	N/A	N/A	Inc-DYNLRB1-1
A_21_P0013281	7,15248	6,20507	1,928407572	N/A	N/A	N/A	XLOC_I2_013730
A_21_P0012392	6,00681	5,05944	1,928354106	N/A	N/A	N/A	XLOC_I2_009884
A_33_P3283300	7,6634	6,71611	1,928247179	ENST00000469758	63877	N/A	FAM204A
A_23_P99771	14,2977	13,3505	1,928126892	ENST00000316836	9240	NM_006029	PNMA1
A_33_P3365077	2,90918	1,96204	1,928046705	ENST00000320065	81470	NM_001001915	OR2G2
A_32_P515971	2,51918	1,5722	1,92783289	ENST00000450662	146779	NM_173503	EFCAB3
A_22_P00020927	2,8075	1,86055	1,927792802	N/A	N/A	AA211868	Inc-RASA1-6
A_19_P00810529	2,80045	1,85363	1,927619098	ENST00000428914	114036	NR_027267	LINC00310
A_33_P3330826	6,47199	5,5253	1,92744541	ENST00000454869	100132077	N/A	LOC100132077
A_23_P58953	11,3782	10,432	1,926790879	ENST00000426637	4835	NM_000904	NQO2
A_19_P00318375	3,53613	2,58994	1,926777524	N/A	148696	NR_026817	LOC148696
A_22_P00009876	8,16263	7,21667	1,926470374	N/A	N/A	N/A	Inc-MFAP5-1
A_33_P3617655	3,65461	2,70904	1,925949667	ENST00000431311	339442	NR_038928	LINC01343
A_23_P56404	7,70658	6,76101	1,925949667	ENST00000295206	2019	NM_001426	EN1
A_33_P3293778	3,03066	2,08515	1,925869571	ENST00000400374	386672	NM_198687	KRTAP10-4
A_22_P00014682	3,12563	2,18017	1,925802826	N/A	N/A	N/A	Inc-SLC25A2-2
A_21_P0005657	9,68073	8,7353	1,925762781	ENST00000510244	N/A	N/A	N/A
A_21_P0007924	6,46044	5,51507	1,925682692	N/A	N/A	N/A	Inc-SGCG-1
A_21_P0013453	6,78534	5,84004	1,92558926	ENST00000447307	378805	NR_034120	LINC-PINT
A_21_P0000492	13,5095	12,5644	1,925322335	N/A	100126781	NR_004384	SNAR-F
A_33_P3404844	3,85064	2,9056	1,925242265	ENST00000613116	80725	BC033233	SRCIN1
A_22_P00003270	7,23743	6,29243	1,925188886	N/A	N/A	N/A	Inc-CALM2-1
A_33_P3416331	2,48563	1,54076	1,925015417	ENST00000518568	347051	NM_001010893	SLC10A5
A_22_P00005291	2,36116	1,41651	1,924721889	N/A	N/A	N/A	Inc-DNAJA4-1

A_33_P3255056	3,25245	2,30824	1,924134968	N/A	N/A	N/A	N/A
A_33_P3379775	7,23569	6,29163	1,923934922	ENST00000376463	7088	N/A	TLE1
A_21_P0012309	4,60891	3,66497	1,9237749	N/A	26220	N/A	DGCR5
A_23_P64980	3,91471	2,97093	1,923561558	ENST00000343164	6540	NM_016615	SLC6A13
A_19_P00316000	6,26834	5,32468	1,923401568	N/A	378805	NR_109851	LINC-PINT
A_21_P0013873	4,67763	3,73417	1,923134946	N/A	101410537	N/A	MAGEA8-AS1
A_23_P305938	9,19448	8,25107	1,923068297	ENST00000370764	7626	NM_007131	ZNF75D
A_33_P3243264	11,1335	10,1901	1,923054967	ENST00000481053	728489	NM_001080849	DNLZ
A_32_P793319	3,95968	3,01651	1,922748411	N/A	N/A	AK098749	N/A
A_23_P128728	10,4923	9,54934	1,922468554	ENST00000261783	384	NM_001172	ARG2
A_33_P3343828	7,97348	7,03083	1,922055507	N/A	N/A	AK126677	Inc-CEMP1-1
A_24_P713267	2,89722	1,95457	1,922055507	ENST00000421593	338821	NM_001009562	SLCO1B7
A_33_P3617190	2,82943	1,887	1,92176243	N/A	651337	AK124119	LOC651337
A_22_P00020765	2,60971	1,66749	1,921482717	N/A	N/A	AK093513	Inc-SLC2A12-4
A_23_P97265	11,6479	10,7057	1,92145608	ENST00000368232	54865	NM_182679	GPATCH4
A_33_P3806965	2,53436	1,59217	1,921442761	N/A	80078	N/A	FLJ13744
A_24_P944588	7,47192	6,52983	1,921309582	ENST00000601365	91120	NM_033196	ZNF682
A_23_P217564	9,63836	8,69657	1,920910098	ENST00000340800	2182	NM_004458	ACSL4
A_33_P3641456	2,49497	1,55336	1,920670448	N/A	642422	AK125752	LOC642422
A_22_P00010764	2,33262	1,39109	1,920563946	N/A	100874092	NR_046652	UBE2E1-AS1
A_22_P00009419	2,37653	1,43527	1,920204547	N/A	N/A	DA547612	Inc-LYPD1-1
A_22_P00013161	2,47341	1,53219	1,920151308	ENST00000435953	N/A	N/A	N/A
A_23_P134809	12,2989	11,3577	1,920124689	ENST00000521972	8439	NM_003580	NSMAF
A_22_P00016432	2,38111	1,43999	1,920018218	N/A	N/A	N/A	Inc-TMEM35-1
A_24_P78556	4,25619	3,3151	1,919978293	ENST00000615708	11228	NM_007211	RASSF8
A_19_P00318280	8,33373	7,39265	1,919964985	N/A	100506860	NR_109780	LOC100506860
A_23_P207154	4,49584	3,55486	1,919831907	ENST00000558516	1443	NM_022644	CSH2
A_23_P19816	3,98054	3,03965	1,919712146	ENST00000405335	140545	NM_030936	RNF32
A_23_P256158	3,63033	2,6895	1,919632309	ENST00000330055	152	NM_000683	ADRA2C
A_21_P0000242	8,2003	7,25954	1,91953917	ENST00000521289	26795	NR_002437	SNORD54
A_23_P65240	5,16927	4,22869	1,919299691	ENST00000375820	1282	NM_001845	COL4A1
A_23_P120557	11,2898	10,3493	1,919193265	ENST00000337743	55617	NM_017714	TASP1
A_22_P00020811	3,48233	2,54194	1,91904694	ENST00000554650	N/A	DB457795	N/A

A_23_P102582	15,9651	15,025	1,918661226	ENST00000483815	55969	NM_018840	C20orf24
A_23_P11214	11,1762	10,2363	1,918395261	ENST00000617452	55922	NM_017544	NKRF
A_21_P0007252	3,55113	2,61153	1,917996383	N/A	N/A	N/A	Inc-TMEM135-2
A_23_P23815	10,5036	9,56417	1,91777039	ENST00000367001	7779	NM_021194	SLC30A1
A_22_P00005231	2,32915	1,38989	1,917544422	ENST00000442197	N/A	AU253022	N/A
A_22_P00018370	2,47404	1,53494	1,917331772	N/A	N/A	BF509012	Inc-OSBPL9-2
A_23_P356070	3,43581	2,497	1,916946402	ENST00000619105	2324	NM_002020	FLT4
A_23_P52727	11,3275	10,3887	1,916933115	ENST00000527559	89797	NM_182964	NAV2
A_19_P00322316	2,77233	1,83353	1,916933115	ENST00000470911	344454	N/A	AOX2P
A_24_P330112	5,3033	4,36457	1,916840107	ENST00000320756	55110	NM_018048	MAGOHB
A_33_P3289996	7,45061	6,51207	1,91658768	ENST00000369232	85015	NM_001080481	USP45
A_24_P75963	3,01967	2,08114	1,916574395	ENST00000328264	10281	HQ257978	DSCR4
A_23_P115645	2,47728	1,53879	1,916521257	ENST00000608830	10659	NM_001025076	CELF2
A_22_P00021305	2,91279	1,97453	1,916215742	ENST00000515097	N/A	N/A	N/A
A_33_P3283984	4,61433	3,67622	1,91601652	ENST00000388970	172	NR_003228	AFG3L1P
A_23_P153676	8,68098	7,74293	1,915936837	ENST00000443826	7089	NM_003260	TLE2
A_33_P3225882	7,39131	6,45333	1,915843877	ENST00000479463	51272	NM_001098787	BET1L
A_33_P3351536	12,006	11,0681	1,915737643	ENST00000346049	2185	NM_173174	PTK2B
A_23_P122624	12,0885	11,1506	1,915737643	ENST00000367576	84946	NM_032860	LTV1
A_21_P0007411	4,60161	3,66411	1,915206561	N/A	N/A	N/A	Inc-RP11-831A10.1.1-1
A_24_P941322	5,56432	4,62711	1,914821619	ENST00000361758	9444	NM_006775	QKI
A_21_P0002557	3,49201	2,55485	1,914755258	N/A	N/A	N/A	Inc-AC110619.2.1-1
A_33_P3548190	2,60158	1,66479	1,914264254	ENST00000594461	338864	NR_034024	LINC00347
A_21_P0004459	4,6783	3,74184	1,913826438	N/A	102546298	N/A	LOC102546298
A_21_P0007030	4,5541	3,61781	1,913600936	N/A	N/A	N/A	Inc-UROS-1
A_23_P217384	6,0628	5,12663	1,913441773	ENST00000329235	8905	NM_003916	AP1S2
A_33_P3407445	6,80087	5,86474	1,913388722	ENST00000514573	N/A	AK090949	N/A
A_21_P0014371	2,78006	1,84401	1,913282624	ENST00000595005	100506114	XR_172297	LOC100506114
A_21_P0004555	2,53641	1,6005	1,913096967	N/A	101926960	NR_104636	LOC101926960
A_33_P3368203	3,07415	2,13828	1,913043926	ENST00000359872	40	N/A	ASIC2
A_22_P00012737	2,80675	1,87097	1,912924588	N/A	N/A	N/A	Inc-RABEP2-2
A_24_P28657	10,0047	9,06903	1,91277874	ENST00000326225	25909	NM_015446	AHCTF1
A_33_P3270800	4,90452	3,96891	1,912699191	ENST00000344935	642843	NM_001129885	CPSF4L

A_33_P3354607	2,68426	1,74883	1,912460565	ENST00000613947	9560	NM_001291470	CCL4L2
A_24_P156490	2,39528	1,46001	1,912248479	ENST00000286627	3778	NM_002247	KCNMA1
A_24_P944427	6,40979	5,47454	1,912221969	ENST00000402198	55209	NM_001292043	SETD5
A_33_P3283900	3,57387	2,63866	1,912168952	N/A	1497	NM_004937	CTNS
A_21_P0000363	10,3459	9,41092	1,911864131	ENST00000323981	684959	NR_003028	SNORA25
A_32_P214178	7,33587	6,40093	1,911811124	ENST00000624872	284836	NR_026960	LINC00319
A_21_P0011031	5,088	4,15309	1,911771369	ENST00000513207	101928865	N/A	LOC101928865
A_22_P00006422	4,81705	3,88218	1,911718364	N/A	N/A	N/A	Inc-FBXO31-1
A_24_P101114	9,66189	8,72703	1,911705113	ENST00000441024	23019	NM_206999	CNOT1
A_33_P3222501	5,68005	4,7454	1,911426864	ENST00000437428	728262	NM_001145248	FAM157A
A_22_P00020425	3,69434	2,75997	1,911055928	N/A	N/A	N/A	Inc-LMTK3-1
A_21_P0004449	2,6835	1,74929	1,910843997	N/A	N/A	N/A	Inc-HARS-1
A_33_P6814977	2,68849	1,75448	1,910579116	N/A	284900	NR_026963	TTC28-AS1
A_23_P113613	12,1034	11,1694	1,910565873	ENST00000296129	64866	NM_022842	CDCP1
A_22_P00002893	3,62699	2,69329	1,910168623	N/A	N/A	N/A	Inc-C4orf37-2
A_33_P3383205	4,88363	3,95019	1,909824407	N/A	100131766	AB064667	OK/SW-CL.58
A_33_P3399935	4,57404	3,64067	1,909731744	ENST00000509742	6196	NM_021135	RPS6KA2
A_21_P0002825	2,48795	1,55496	1,909228794	N/A	N/A	N/A	Inc-OPA1-2
A_21_P0009618	5,35317	4,42026	1,909122927	ENST00000578092	284276	NR_015417	LINC00908
A_23_P1361	11,6034	10,6706	1,908977369	ENST00000371221	5832	NM_002860	ALDH18A1
A_23_P40805	2,44572	1,51301	1,908858285	ENST00000296233	28999	NM_014079	KLF15
A_22_P00019963	2,55591	1,62322	1,908831823	N/A	N/A	N/A	Inc-SNTG1-1
A_33_P3321275	7,61682	6,68429	1,908620138	ENST00000445955	58508	NM_170606	KMT2C
A_24_P201171	7,30484	6,37236	1,908553992	ENST00000373302	6812	NM_003165	STXBP1
A_33_P3236392	10,7876	9,85512	1,908553992	ENST00000368012	81607	NM_030916	PVRL4
A_21_P0008110	4,73969	3,80723	1,908527534	N/A	171425	N/A	CLYBL
A_22_P00014362	3,34985	2,41745	1,908448162	N/A	N/A	N/A	Inc-SESN3-3
A_21_P0000168	10,297	9,36486	1,908104256	ENST00000591397	11016	NM_001206682	ATF7
A_23_P67725	10,3216	9,3896	1,907919101	ENST00000325327	84823	NM_032737	LMNB2
A_23_P256470	2,88355	1,95163	1,907813307	ENST00000407573	4852	NM_000905	NPY
A_33_P3382553	2,54261	1,61101	1,907390187	N/A	N/A	AF116661	N/A
A_21_P0000231	5,70023	4,76878	1,907191882	N/A	347686	NR_001294	SNORD64
A_22_P00014556	2,74622	1,8148	1,907152223	ENST00000437916	100130502	XR_244997	LOC100130502



A_33_P3253139	2,58085	1,64943	1,907152223	ENST00000411800	N/A	N/A	N/A
A_33_P3318763	5,50459	4,5737	1,906451725	N/A	101927497	NR_110086	LOC101927497
A_23_P156289	9,04243	8,11154	1,906451725	ENST00000274276	9180	NM_003999	OSMR
A_21_P0013717	10,7544	9,82381	1,906055331	ENST00000438342	N/A	XM_001716795	N/A
A_24_P272761	6,46909	5,53853	1,906015696	ENST00000373624	57706	NM_020946	DENND1A
A_22_P00012301	2,56822	1,63783	1,905791114	N/A	N/A	AF403226	Inc-PPP4R1-10
A_21_P0010772	5,75675	4,82639	1,905751485	N/A	102725076	N/A	LOC102725076
A_23_P100292	14,9965	14,0662	1,905672228	ENST00000565396	90850	NM_178167	ZNF598
A_23_P154447	14,4047	13,4745	1,905540142	ENST00000478508	51602	NM_015934	NOP58
A_33_P3301884	2,4954	1,56522	1,905513726	ENST00000535133	116437	NR_026670	LINC01257
A_33_P3251289	12,4175	11,4874	1,905408064	ENST00000527833	55829	NM_018445	VIMP
A_33_P3218148	7,81845	6,88873	1,904906254	ENST00000425232	65250	NM_023073	C5orf42
A_32_P48825	2,39123	1,46192	1,904364975	ENST00000354310	140807	NM_080747	KRT72
A_23_P82478	12,2916	11,3626	1,903955817	ENST00000356362	54517	NM_019042	PUS7
A_33_P3321025	2,45288	1,52394	1,903876635	ENST00000359827	91584	NM_020911	PLXNA4
A_21_P0014524	2,443	1,5141	1,903823849	N/A	N/A	N/A	N/A
A_24_P290373	7,45964	6,53092	1,903586331	ENST00000521192	63932	NM_022101	CXorf56
A_22_P00009434	3,2322	2,3035	1,903559942	N/A	N/A	N/A	Inc-LYSMD2-1
A_23_P431346	9,32802	8,39935	1,903520359	ENST00000319694	222171	NM_175887	PRR15
A_22_P00004634	2,6039	1,67535	1,903362035	ENST00000457518	N/A	N/A	N/A
A_22_P00017128	2,57173	1,64341	1,903058618	N/A	N/A	N/A	Inc-UBASH3B-2
A_21_P0008225	2,55731	1,62903	1,903005855	N/A	N/A	XM_006709970	Inc-PCID2-1
A_22_P00008681	10,0458	9,11774	1,902715683	ENST00000432502	100506714	NR_038956	NUP50-AS1
A_21_P0000358	8,53079	7,60294	1,902438742	N/A	677839	NR_003017	SNORA71C
A_23_P113825	9,8207	8,89314	1,902056366	ENST00000277554	138151	NM_144653	NACC2
A_22_P00016083	2,40493	1,47752	1,901858616	N/A	N/A	N/A	Inc-THBS4-1
A_24_P417596	4,85892	3,93174	1,901555438	ENST00000396958	114984	NM_138439	FLYWCH2
A_22_P00008780	3,18228	2,2551	1,901555438	ENST00000457340	N/A	N/A	N/A
A_23_P334870	7,48479	6,55803	1,901001934	ENST00000336655	221468	NM_145316	TMEM217
A_33_P3279620	11,3474	10,4207	1,900922876	N/A	N/A	AK094832	N/A
A_22_P00009502	3,96972	3,04334	1,900501284	ENST00000522460	N/A	CD696320	N/A
A_21_P0000645	4,21966	3,29336	1,900395901	ENST00000427140	149773	NR_034147	APCDD1L-AS1
A_33_P3423017	2,45165	1,52556	1,900119298	N/A	N/A	N/A	N/A

A_21_P0005903	2,59926	1,67327	1,899987596	ENST00000520224	N/A	N/A	N/A
A_23_P110345	10,2447	9,31877	1,899908579	ENST00000263921	26511	NM_012110	CHIC2
A_19_P00322260	8,42816	7,50237	1,89972422	ENST00000504145	101929709	NR_125822	LOC101929709
A_23_P204364	11,999	11,0734	1,899474047	ENST00000542015	4839	NM_001033714	NOP2
A_23_P100386	3,96936	3,04417	1,898934311	ENST00000429149	146433	NM_152456	IL34
A_33_P3382111	4,45097	3,52609	1,89852632	N/A	N/A	N/A	N/A
A_33_P3349384	3,77615	2,85146	1,898276305	N/A	102724074	XR_424364	LOC102724074
A_22_P00007055	3,21885	2,2943	1,898092104	ENST00000533390	283177	NR_033852	LOC283177
A_22_P00007365	2,35542	1,43091	1,898039478	N/A	N/A	N/A	Inc-GREM2-2
A_23_P100074	12,4843	11,5598	1,898026322	ENST00000306730	57099	NM_020371	AVEN
A_33_P3270369	4,10242	3,17799	1,897934232	N/A	N/A	AK130406	N/A
A_22_P00001286	4,85718	3,93276	1,897921076	ENST00000561968	400508	NR_026675	CRYM-AS1
A_23_P148446	13,416	12,4918	1,89763168	ENST00000371569	7319	NM_003336	UBE2A
A_33_P3737504	6,03071	5,10656	1,897565914	ENST00000489291	1612	NM_004938	DAPK1
A_23_P29303	10,2274	9,3036	1,897105617	ENST00000483303	27341	NM_015703	RRP7A
A_33_P3292525	10,5575	9,63382	1,896947827	ENST00000340305	199953	NM_001010866	TMEM201
A_33_P3384312	2,64643	1,72278	1,896908382	N/A	N/A	N/A	N/A
A_33_P3266958	4,72128	3,79783	1,896645432	N/A	N/A	N/A	N/A
A_23_P143374	11,7165	10,7931	1,896579701	ENST00000464285	22981	NM_025176	NINL
A_33_P3247332	2,88975	1,96659	1,896264221	N/A	N/A	N/A	N/A
A_33_P3398331	5,30278	4,37966	1,896211646	ENST00000246186	10893	NM_006690	MMP24
A_19_P00322533	11,2421	10,3191	1,89605393	ENST00000560912	643911	NR_110453	CRNDE
A_32_P62571	11,2223	10,2994	1,89592251	ENST00000583313	9939	NM_005105	RBM8A
A_23_P49041	8,8091	7,88628	1,895817381	ENST00000563859	80021	NM_024956	TMEM62
A_32_P319858	3,18203	2,25927	1,895738538	ENST00000438936	284353	NM_198478	NKPD1
A_21_P0000721	2,94826	2,0256	1,89560714	N/A	100616530	NR_038206	C8orf37-AS1
A_22_P00018152	2,48645	1,56387	1,895502028	ENST00000582697	N/A	N/A	N/A
A_33_P3326568	3,38503	2,46247	1,895475751	ENST00000467497	169792	DQ438879	GLIS3
A_33_P3301010	8,73782	7,81574	1,894845211	ENST00000588236	56907	NM_001128626	SPIRE1
A_33_P3211804	11,3855	10,4636	1,894608812	ENST00000482318	861	NM_001001890	RUNX1
A_24_P347880	4,86515	3,94352	1,89425427	ENST00000318227	59344	NM_021628	ALOXE3
A_21_P0000392	4,54278	3,62119	1,894201751	ENST00000483264	692211	NR_003076	SNORD98
A_23_P46045	3,75334	2,83205	1,893807904	ENST00000313961	8490	NM_003617	RGS5

A_33_P3345623	4,27513	3,35388	1,893755397	ENST00000334984	6239	NM_001003700	RREB1
A_23_P135722	7,32312	6,40197	1,893624136	ENST00000395743	685	NM_001729	BTC
A_23_P65733	8,22182	7,30085	1,89338789	ENST00000356321	54989	NM_014106	ZNF770
A_33_P3230723	5,4836	4,56283	1,893125429	ENST00000377083	23095	NM_183416	KIF1B
A_33_P3265549	7,69184	6,77108	1,893112307	ENST00000485649	6573	NM_001205206	SLC19A1
A_24_P39454	8,47957	7,55886	1,893046698	ENST00000558357	54617	NM_017553	INO80
A_23_P407684	11,5171	10,5964	1,893033576	ENST00000567008	90850	NM_178167	ZNF598
A_21_P0002775	2,65291	1,73234	1,892863004	ENST00000494509	N/A	N/A	N/A
A_24_P649624	9,21854	8,29807	1,892731806	ENST00000377093	23095	NM_183416	KIF1B
A_22_P00021381	4,94742	4,02696	1,892718686	ENST00000572848	N/A	C02889	N/A
A_21_P0011355	2,53085	1,6107	1,892312031	ENST00000611771	653125	NM_001282493	GOLGA8K
A_21_P0012261	2,49347	1,57377	1,89172188	N/A	N/A	N/A	XLOC_I2_009331
A_24_P51061	10,2772	9,35812	1,890909085	ENST00000486004	131566	NM_080927	DCBLD2
A_22_P00002734	4,84827	3,92923	1,890856658	N/A	N/A	N/A	Inc-C20orf94-1
A_21_P0006292	2,36046	1,44169	1,890502818	N/A	N/A	N/A	Inc-AUH-4
A_21_P0004332	2,41171	1,49307	1,890332474	N/A	N/A	N/A	Inc-NEURL1B-4
A_33_P3224780	3,72274	2,80423	1,890162146	N/A	N/A	N/A	N/A
A_33_P3423425	12,4599	11,5414	1,890149044	ENST00000356321	54989	NM_014106	ZNF770
A_23_P166431	2,7154	1,79703	1,889978732	ENST00000248984	25775	NM_001302819	C22orf24
A_33_P3362326	9,62387	8,70556	1,889900132	N/A	2274	CR936682	FHL2
A_32_P7316	5,31219	4,39398	1,889769138	ENST00000525528	627	NM_170735	BDNF
A_23_P35791	12,513	11,595	1,889494082	ENST00000528057	8986	NM_003942	RPS6KA4
A_23_P256223	11,4064	10,4886	1,889232161	ENST00000460509	7411	AK313420	VBP1
A_33_P3298750	6,13094	5,21323	1,889114308	N/A	N/A	BC012881	N/A
A_23_P124855	9,01841	8,101	1,888721518	ENST00000534928	84186	NM_032226	ZCCHC7
A_33_P3825869	2,59962	1,68224	1,888682244	ENST00000399634	775	NM_199460	CACNA1C
A_24_P136522	2,3816	1,46437	1,888485884	N/A	84253	AK095679	GARNL3
A_23_P376060	5,43269	4,51558	1,888328811	ENST00000293068	22806	NM_012481	IKZF3
A_23_P37892	11,3038	10,3867	1,888315722	ENST00000569193	84706	NM_133443	GPT2
A_33_P3231187	8,36657	7,44959	1,888158663	ENST00000355640	331	NM_001167	XIAP
A_33_P3283126	3,47064	2,55373	1,888067051	ENST00000550197	92558	XR_429121	CCDC64
A_22_P00016530	4,80729	3,89063	1,887739902	ENST00000548722	N/A	N/A	N/A
A_33_P3221648	3,36597	2,44944	1,887569807	N/A	N/A	N/A	XLOC_I2_010328

A_23_P119789	9,79552	8,87899	1,887569807	ENST00000426077	79134	NM_024121	TMEM185B
A_22_P00005423	5,32436	4,40787	1,887517473	ENST00000251250	56986	AL122040	DTWD1
A_33_P3530314	10,248	9,33153	1,887491307	ENST00000509849	65250	NM_023073	C5orf42
A_23_P30464	12,2794	11,3631	1,887268908	ENST00000502922	80758	NM_030567	PRR7
A_21_P0013648	4,64894	3,73264	1,887268908	N/A	N/A	N/A	XLOC_I2_015206
A_21_P0002250	2,68654	1,77026	1,887242745	N/A	N/A	N/A	Inc-KCMF1-1
A_21_P0003325	2,90116	1,98494	1,887164258	ENST00000514265	N/A	N/A	N/A
A_22_P00011455	6,40958	5,49348	1,887007295	N/A	N/A	N/A	Inc-PAPLN-1
A_23_P7253	8,03148	7,11539	1,886994215	ENST00000326639	55132	NM_018078	LARP1B
A_24_P118196	7,307	6,39126	1,886536483	ENST00000389617	727936	NM_001080393	GXYLT2
A_33_P3396089	6,11161	5,1964	1,885843557	ENST00000556938	145389	NM_153811	SLC38A6
A_23_P211007	12,0183	11,1034	1,885438379	ENST00000400202	8204	NM_003489	NRIP1
A_23_P164042	5,29511	4,3803	1,885320763	ENST00000433197	2081	NM_001433	ERN1
A_33_P3328621	2,87163	1,95682	1,885320763	ENST00000453554	N/A	BC036435	N/A
A_21_P0010092	4,62976	3,71511	1,885111685	N/A	N/A	N/A	Inc-NCOA3-9
A_24_P215653	2,84104	1,92668	1,884732792	ENST00000342213	161198	NM_175060	CLEC14A
A_22_P00005677	6,62784	5,71356	1,884628283	N/A	N/A	BC015455	Inc-EIF4EBP1-1
A_23_P157495	11,5574	10,6432	1,88452378	ENST00000240139	5533	NM_005605	PPP3CC
A_23_P340333	13,1821	12,268	1,884393159	ENST00000358187	85450	NM_033397	ITPRIP
A_21_P0009593	2,45421	1,54031	1,884131945	ENST00000580487	N/A	N/A	N/A
A_22_P00012802	6,56327	5,64948	1,883988293	N/A	N/A	BC064478	Inc-RANBP9-1
A_21_P0002439	2,83205	1,9183	1,883936058	N/A	N/A	N/A	Inc-PIGF-2
A_33_P3307735	5,93876	5,02533	1,883518234	ENST00000355520	4983	NM_002547	OPHN1
A_24_P130962	7,39908	6,48591	1,88317882	ENST00000352445	64222	NM_022371	TOR3A
A_32_P199884	7,70616	6,79317	1,882943877	ENST00000486497	84072	NM_032132	HORMAD1
A_19_P00318054	3,9737	3,06072	1,882930826	ENST00000462931	N/A	N/A	N/A
A_22_P00020353	5,53683	4,62395	1,882800316	ENST00000465795	N/A	N/A	N/A
A_23_P341503	5,21746	4,30473	1,882604567	ENST00000466204	339883	NM_178339	C3orf35
A_23_P143365	2,41878	1,50609	1,882552371	ENST00000376979	128821	NM_080610	CST9L
A_33_P3489222	6,62153	5,709	1,882343601	ENST00000506080	26095	NM_001042357	PTPN20B
A_24_P331128	11,2547	10,3423	1,882173992	ENST00000262958	2769	NM_002068	GNA15
A_23_P258251	11,037	10,1248	1,881913085	ENST00000610637	10495	NM_182314	ENOX2
A_21_P0010810	3,01024	2,09819	1,881717429	N/A	N/A	N/A	XLOC_I2_001520

A_23_P103476	10,3165	9,40462	1,88149571	ENST00000376810	29914	NM_013319	UBIAD1
A_23_P91829	9,95883	9,04715	1,881234897	ENST00000326857	131566	NM_080927	DCBLD2
A_21_P0003977	3,07487	2,16322	1,881195779	N/A	N/A	N/A	Inc-PRDM9-3
A_23_P17345	6,32803	5,41638	1,881195779	ENST00000373313	9935	NM_005461	MAFB
A_33_P3334000	2,65661	1,74524	1,880830709	N/A	N/A	N/A	N/A
A_33_P3232644	3,73402	2,82269	1,880778562	ENST00000457574	N/A	N/A	N/A
A_33_P6571454	7,00256	6,09134	1,880635166	ENST00000271417	387597	N/A	ILDR2
A_33_P3374258	6,52432	5,61311	1,88062213	ENST00000369506	4808	AK056621	NHLH2
A_23_P167692	8,62292	7,71172	1,880609095	ENST00000393362	5601	NM_002752	MAPK9
A_22_P00018452	5,42966	4,51847	1,880596059	ENST00000507776	102723906	XR_425825	LOC102723906
A_22_P00003313	2,57549	1,66469	1,880087751	N/A	N/A	N/A	Inc-CAPRIN2-1
A_21_P0014824	6,21937	5,30863	1,880009562	N/A	N/A	AK293975	N/A
A_21_P0013660	2,66241	1,75169	1,8799835	N/A	N/A	N/A	XL0C_I2_015219
A_22_P00001710	3,52592	2,61524	1,879931377	N/A	N/A	AK125753	Inc-ATG16L2-2
A_22_P00025534	2,39311	1,48297	1,879227851	ENST00000569807	N/A	N/A	N/A
A_33_P3249076	5,23398	4,32385	1,879214825	ENST00000465608	112817	AK094791	HOGA1
A_33_P3666346	6,15825	5,24865	1,878524589	ENST00000420969	25909	NM_015446	AHCTF1
A_21_P0005353	2,30653	1,39703	1,878394384	N/A	N/A	N/A	Inc-FOXK1-1
A_23_P122674	10,9553	10,0458	1,878394384	ENST00000379568	55003	NM_017906	PAK1IP1
A_24_P13311	9,14652	8,23719	1,878173056	ENST00000544112	121260	NM_145648	SLC15A4
A_21_P0012177	2,62215	1,71296	1,877990806	N/A	N/A	N/A	XL0C_I2_009105
A_33_P3815064	4,82639	3,91738	1,87775651	ENST00000500215	283575	NR_110554	LOC283575
A_33_P3398533	7,1216	6,21261	1,877730479	ENST00000352251	80209	NM_025138	PROSER1
A_21_P0012088	6,01289	5,10411	1,877457175	ENST00000449075	100506797	N/A	LOC100506797
A_22_P00017000	4,04936	3,14059	1,877444161	ENST00000464747	100130691	NR_026966	LOC100130691
A_23_P308150	9,32416	8,41546	1,877353069	ENST00000330258	139285	NM_152424	AMER1
A_33_P3389008	4,71399	3,80542	1,87718391	ENST00000618907	27069	NM_014394	GHITM
A_19_P00803960	8,22614	7,31758	1,877170899	N/A	100499177	NR_034075	THAP9-AS1
A_21_P0000328	9,24222	8,33373	1,87707982	ENST00000530089	677822	NR_002973	SNORA40
A_32_P160896	5,39609	4,48773	1,876910686	ENST00000321339	94033	NM_177478	FTMT
A_19_P00318409	11,0103	10,102	1,876832629	ENST00000499732	283131	NR_028272	NEAT1
A_33_P3305731	6,67029	5,76202	1,876793602	ENST00000496509	22981	NM_025176	NINL
A_22_P00013010	3,22631	2,31811	1,876702541	N/A	N/A	N/A	Inc-RGMA-1

A_21_P0002195	2,26423	1,35634	1,876299327	N/A	N/A	N/A	Inc-TTC27-1
A_21_P0011252	9,7805	8,8728	1,876052238	ENST00000605130	N/A	N/A	N/A
A_22_P00010032	3,74708	2,83947	1,875935208	ENST00000440477	N/A	N/A	N/A
A_33_P3370029	3,13664	2,22946	1,875376162	ENST00000390340	N/A	S60780	N/A
A_22_P00014223	5,4609	4,55373	1,875363163	N/A	100874089	NR_046645	RUVBL1-AS1
A_33_P3390477	15,0465	14,1394	1,875272172	ENST00000307422	51073	NM_146388	MRPL4
A_22_P00019607	7,6294	6,72259	1,874895257	ENST00000488257	57060	NM_020418	PCBP4
A_33_P3412556	6,98444	6,07767	1,874843274	ENST00000458378	N/A	N/A	N/A
A_23_P58280	13,6347	12,728	1,874752309	ENST00000226796	54433	NM_018983	GAR1
A_23_P35082	10,5554	9,64878	1,874648353	ENST00000253063	83667	NM_031459	SESN2
A_33_P3251876	5,80659	4,90001	1,874596378	ENST00000410040	8809	NM_003855	IL18R1
A_23_P143173	2,48353	1,57699	1,874544403	ENST00000360672	84174	NM_032214	SLA2
A_23_P73208	9,83396	8,92744	1,874518417	ENST00000467551	126626	NM_144618	GABPB2
A_24_P218265	13,9641	13,0577	1,874362505	ENST00000276431	8795	NM_003842	TNFRSF10B
A_21_P0008502	2,39698	1,4908	1,874076701	N/A	N/A	N/A	Inc-RP11-80A15.1.1-4
A_33_P3393617	2,28534	1,37921	1,874011752	ENST00000414265	N/A	N/A	N/A
A_23_P2423	13,0744	12,1683	1,873972783	ENST00000537852	55110	NM_018048	MAGOHB
A_23_P334751	10,719	9,81302	1,873816917	ENST00000366600	148789	NM_152490	B3GALNT2
A_23_P252362	12,3143	11,4084	1,873713013	ENST00000515647	10884	NM_016640	MRPS30
A_21_P0000265	6,42987	5,524	1,873674051	ENST00000530585	619562	NR_002580	SNORA45A
A_22_P00023788	4,2051	3,29926	1,873635089	ENST00000560662	N/A	XR_424607	N/A
A_22_P00011361	7,68505	6,77924	1,873596129	ENST00000577661	N/A	BC040619	N/A
A_22_P00004946	2,72441	1,81862	1,873570155	ENST00000556316	N/A	N/A	N/A
A_24_P353619	3,74853	2,84285	1,873427308	ENST00000374832	249	NM_000478	ALPL
A_22_P00019761	4,08957	3,18408	1,873180598	N/A	N/A	N/A	Inc-GIP-1
A_23_P163117	11,1134	10,2081	1,87293392	ENST00000304061	79697	NM_024644	C14orf169
A_23_P142738	5,44092	4,53575	1,872765159	ENST00000482239	130733	NM_152390	TMEM178A
A_24_P855508	2,36941	1,46453	1,872388747	ENST00000469914	389766	NM_001276367	C9orf153
A_33_P3361681	13,8334	12,9287	1,872155151	ENST00000330374	203547	NM_001017980	VMA21
A_23_P68922	10,4727	9,5683	1,871765887	ENST00000402631	85377	NM_033386	MICALL1
A_22_P00008792	2,64959	1,74529	1,871636151	N/A	N/A	BI769350	Inc-KIFAP3-2
A_21_P0000484	8,8435	7,93921	1,871623178	N/A	692196	NR_003942	SNORD76
A_33_P3220352	2,70111	1,79683	1,871610205	N/A	285888	NM_001103176	CNPY1

A_33_P3209386	9,86692	8,96264	1,871610205	ENST00000250101	84817	NM_032731	TXNDC17
A_21_P0006491	2,72547	1,82121	1,871584259	N/A	N/A	N/A	Inc-ATP6AP2-5
A_22_P00016365	2,79958	1,89576	1,871013541	ENST00000449405	101060385	NR_110179	LOC101060385
A_21_P0011274	3,21026	2,30653	1,870896825	N/A	N/A	N/A	XLOC_I2_004546
A_33_P3256425	2,6682	1,76459	1,870741215	ENST00000548411	636	NM_001714	BICD1
A_23_P210886	11,1619	10,2586	1,870339281	ENST00000307677	598	NM_138578	BCL2L1
A_33_P3239954	8,70041	7,79717	1,870261498	ENST00000261601	9097	NM_005151	USP14
A_33_P3269019	2,40886	1,50566	1,870209644	ENST00000577956	N/A	AK023337	N/A
A_33_P3392907	2,61593	1,713	1,869859667	N/A	100128001	AK125720	LOC100128001
A_33_P3241299	5,12178	4,21894	1,869743023	N/A	100128881	NR_036480	VPS9D1-AS1
A_21_P0008625	2,65127	1,74849	1,869665264	N/A	N/A	N/A	Inc-CHAC1-1
A_24_P273157	8,07883	7,17606	1,869652305	ENST00000494839	84033	NM_052843	OBSCN
A_33_P3281710	7,16805	6,26547	1,869406091	ENST00000399093	79999	NM_001291904	LOC79999
A_23_P252913	5,69231	4,7899	1,869185823	ENST00000506636	55212	NM_018190	BBS7
A_23_P379071	6,58968	5,68744	1,86896558	ENST00000455112	222235	NM_145032	FBXL13
A_21_P0008282	2,32012	1,41805	1,868745364	ENST00000554211	101928559	NR_110074	LINC01467
A_22_P00011856	6,00267	5,10079	1,86849927	N/A	N/A	N/A	Inc-PHYHD1-1
A_24_P93855	8,3167	7,415	1,868266158	ENST00000307972	116113	NM_001012426	FOXP4
A_21_P0000514	6,30611	5,40444	1,868227309	N/A	56663	NR_026704	VTRNA1-2
A_23_P360316	10,746	9,84445	1,868071921	ENST00000303225	2525	NM_000149	FUT3
A_24_P331704	9,97353	9,07198	1,868071921	ENST00000466011	144501	NM_182507	KRT80
A_23_P128532	10,7451	9,84367	1,867916546	ENST00000622317	121053	NM_152318	C12orf45
A_23_P25698	4,12423	3,2229	1,867787076	ENST00000216540	6554	NM_003049	SLC10A1
A_22_P00001205	3,12483	2,22362	1,867631724	N/A	104355294	N/A	LINC01386
A_33_P3268310	2,84233	1,94142	1,867243401	ENST00000414829	100288695	NM_001205288	LIMS3L
A_21_P0011790	2,51519	1,61447	1,866997506	N/A	N/A	N/A	XLOC_I2_007178
A_32_P515431	5,27212	4,37153	1,86682928	N/A	100132057	NR_111930	LOC100132057
A_21_P0012129	3,10746	2,20701	1,86664813	N/A	N/A	N/A	XLOC_I2_008692
A_21_P0009009	6,17058	5,27042	1,866272948	ENST00000596416	N/A	N/A	N/A
A_33_P3217490	10,4034	9,50333	1,866156527	ENST00000451574	642633	NR_108107	FAM230B
A_33_P3272399	4,75463	3,85463	1,866065983	N/A	645427	AK094407	LOC645427
A_21_P0006142	2,92898	2,02905	1,865975443	N/A	N/A	N/A	Inc-HRCT1-3
A_21_P0002980	8,50175	7,60186	1,865923708	N/A	100506990	NR_040092	LOC100506990

A_22_P00017835	4,77584	3,87611	1,865716782	N/A	N/A	XM_006716530	Inc-ZC3H3-1
A_21_P0005029	3,24724	2,3479	1,865212496	N/A	N/A	N/A	Inc-SUPT3H-1
A_22_P00010210	3,14909	2,24978	1,86517371	N/A	N/A	CA430892	Inc-MSMP-1
A_21_P0000282	8,7184	7,81936	1,864824676	ENST00000616692	26793	NR_002739	SNORD56
A_24_P573533	7,09386	6,19494	1,864669571	ENST00000465014	220869	NM_001024916	CBWD5
A_24_P686965	10,3898	9,49091	1,864630796	ENST00000375031	400745	NM_001103161	SH2D5
A_23_P136246	2,39837	1,49988	1,864113883	ENST00000543208	170712	NM_130902	COX7B2
A_21_P0009698	3,45566	2,55756	1,86361003	N/A	N/A	N/A	Inc-VSTM2B-7
A_33_P3350778	5,87589	4,97783	1,86355836	ENST00000308650	374879	NM_198535	ZNF699
A_21_P0000677	3,83328	2,93536	1,863377528	ENST00000599078	400680	N/A	LINC00664
A_24_P333326	9,9603	9,06245	1,863287119	ENST00000556990	4253	NM_203355	CTAGE5
A_33_P3418209	3,92901	3,03124	1,863183799	ENST00000376162	9358	NM_004791	ITGBL1
A_33_P7618758	5,69537	4,79768	1,863080485	ENST00000566582	100505776	NR_038325	LINC01541
A_23_P487	11,9468	11,0492	1,862964264	ENST00000475333	7371	NM_012474	UCK2
A_23_P8196	9,71515	8,81764	1,862848049	ENST00000369705	4199	NM_002395	ME1
A_21_P0003334	4,46658	3,56918	1,86270602	ENST00000510095	N/A	N/A	N/A
A_23_P333951	10,3664	9,46904	1,862654375	ENST00000366848	127602	NM_144989	DNAH14
A_24_P340066	13,7966	12,8993	1,862576911	ENST00000308167	2000	NM_001421	ELF4
A_24_P626951	6,4872	5,58996	1,862499451	ENST00000479981	N/A	AF078945	N/A
A_23_P52647	13,7177	12,8205	1,862447812	ENST00000359393	10938	NM_006795	EHD1
A_33_P3410816	2,32174	1,42458	1,862396175	ENST00000367165	49861	NM_001001346	CLDN20
A_23_P145096	3,54514	2,64798	1,862396175	ENST00000537365	7941	NM_005084	PLA2G7
A_23_P429184	11,6442	10,7471	1,862318721	ENST00000216410	64841	NM_198066	GNPNAT1
A_21_P0012945	3,81433	2,91731	1,862215455	N/A	N/A	N/A	XLOC_I2_011627
A_22_P00011875	4,08296	3,1861	1,86200894	ENST00000567609	101927350	NR_110775	LINC01254
A_23_P388871	4,26744	3,37078	1,861750829	ENST00000539745	121504	NM_175054	HIST4H4
A_32_P226009	8,52497	7,62834	1,861712115	ENST00000505431	65250	NM_023073	C5orf42
A_33_P3220277	10,9841	10,0875	1,861673403	ENST00000610403	6238	BC009700	RRBP1
A_23_P329198	11,5026	10,6061	1,861544366	ENST00000307834	64859	NM_001031716	NABP1
A_21_P0011579	2,89104	1,99468	1,861363729	ENST00000418821	101928567	NR_110839	LOC101928567
A_21_P0010060	2,50902	1,61276	1,861234714	N/A	N/A	N/A	Inc-CBLN4-3
A_21_P0006107	2,4011	1,50502	1,861002508	ENST00000444800	51145	N/A	LOC51145
A_21_P0000473	9,59202	8,69599	1,860938012	N/A	100124534	NR_003704	SNORA84



A_33_P3376404	7,076	6,18005	1,860834823	ENST00000486125	64743	NM_017883	WDR13
A_33_P3417626	2,90675	2,01097	1,860615564	ENST00000399775	375704	NM_198573	ENHO
A_21_P0007162	2,85518	1,95947	1,860525289	ENST00000366405	N/A	N/A	N/A
A_23_P49338	16,5458	15,6501	1,860512393	ENST00000571351	51330	NM_016639	TNFRSF12A
A_23_P259166	14,2639	13,3682	1,860512393	ENST00000415568	79921	NM_024863	TCEAL4
A_23_P71094	10,6594	9,76399	1,860138444	ENST00000321407	79571	NM_024523	GCC1
A_21_P0012920	2,32141	1,42606	1,860061084	N/A	N/A	N/A	XLOC_I2_012168
A_33_P3354955	11,6044	10,7092	1,8598677	ENST00000202816	51575	NM_016649	ESF1
A_21_P0011331	4,41858	3,52342	1,859816134	ENST00000567704	1464	N/A	CSPG4
A_33_P3307836	2,55441	1,65931	1,859738788	ENST00000370958	57554	XM_006710782	LRRC7
A_32_P210202	11,3091	10,4141	1,859609885	ENST00000416496	144455	NM_203394	E2F7
A_33_P3354553	3,42887	2,5339	1,859571216	N/A	N/A	N/A	N/A
A_23_P203819	12,6816	11,7867	1,859480991	ENST00000450791	2802	NM_005895	GOLGA3
A_24_P920048	2,82924	1,93438	1,859429436	N/A	100127972	AK092807	LOC100127972
A_33_P3813818	2,69044	1,79573	1,859236118	N/A	N/A	AB088847	N/A
A_33_P3257013	2,81648	1,92179	1,859210343	N/A	N/A	AK090403	N/A
A_22_P00019914	4,72987	3,83524	1,859133023	N/A	N/A	N/A	Inc-HCRTR1-2
A_21_P0014327	6,56293	5,66842	1,858978391	N/A	100505692	NR_103838	FTO-IT1
A_33_P3237580	3,46998	2,57549	1,85895262	N/A	729220	NM_001242791	FLJ45513
A_24_P363548	5,98346	5,08913	1,858746467	ENST00000336926	3092	NM_005338	HIP1
A_33_P3286916	3,02497	2,13086	1,858463044	ENST00000619208	79955	NM_001195263	PDZD7
A_33_P3344956	3,25678	2,36278	1,858321349	ENST00000587807	9352	AK094926	TXNL1
A_24_P178065	5,87998	4,98601	1,858282706	N/A	90102	BC038806	PHLDB2
A_33_P3651948	3,68623	2,79255	1,857909205	ENST00000339362	4756	NM_002499	NEO1
A_33_P3775848	7,43761	6,54403	1,857780429	ENST00000369449	1193	NM_001289	CLIC2
A_33_P3402823	5,44961	4,55621	1,857548655	ENST00000374919	169981	NM_001010862	SPIN3
A_22_P00002467	4,75732	3,8642	1,857188175	N/A	N/A	N/A	Inc-C15orf44-1
A_24_P924202	9,0688	8,1758	1,857033705	ENST00000439247	399909	NM_032223	PCNXL3
A_23_P50710	7,13925	6,2464	1,856840635	ENST00000587671	8529	NM_001082	CYP4F2
A_33_P3216694	3,30932	2,41653	1,856763413	ENST00000247584	59269	NM_024503	HIVEP3
A_21_P0013646	11,251	10,3583	1,856647585	ENST00000443754	N/A	XR_428461	N/A
A_24_P158385	10,4975	9,60542	1,85584986	ENST00000298585	116225	NM_138462	ZMYND19
A_33_P3330428	3,95078	3,05879	1,85573409	ENST00000615516	N/A	XR_109635	N/A

A_33_P3351290	4,63651	3,74454	1,855708364	ENST00000509591	51237	AK057549	MZB1
A_33_P3397865	13,3636	12,4717	1,855618327	ENST00000588981	7138	NM_001291774	TNNT1
A_22_P00010611	2,49922	1,60741	1,855502571	N/A	101928630	NR_109908	CTC-436P18.1
A_23_P111961	12,1299	11,2381	1,85548971	ENST00000360128	84549	NM_032509	MAK16
A_21_P0012479	2,27581	1,38429	1,855129629	ENST00000622169	N/A	N/A	N/A
A_33_P3217357	2,6655	1,77408	1,855001046	ENST00000587320	N/A	N/A	N/A
A_33_P3378534	2,48971	1,59857	1,85464106	N/A	100130627	AK123230	LOC100130627
A_24_P201739	8,72264	7,83169	1,854396823	N/A	10019	NM_005475	SH2B3
A_33_P3317928	3,72407	2,83319	1,85430685	ENST00000382826	337985	NM_001128077	KRTAP20-3
A_22_P00007462	6,95478	6,06394	1,854255438	N/A	101927891	NR_110682	PKN2-AS1
A_23_P128084	9,47244	8,58162	1,854229733	ENST00000452168	3679	NM_002206	ITGA7
A_24_P387437	2,28549	1,39486	1,85398555	ENST00000243914	140690	NM_080618	CTCFL
A_33_P3310154	2,37573	1,48515	1,853921297	ENST00000380219	390058	NM_001004750	OR51B6
A_22_P00006313	2,97003	2,07948	1,853882747	N/A	101926950	NR_110902	LINC01570
A_33_P3636315	3,63772	2,74727	1,85375425	N/A	286087	AK091675	LOC286087
A_33_P3411357	6,13603	5,24561	1,853715702	N/A	25786	NR_024157	DGCR11
A_32_P377032	4,93287	4,04269	1,853407352	ENST00000313064	151477	NR_024079	LINC00471
A_32_P104063	11,0008	10,111	1,852919237	ENST00000502066	643911	NR_110453	CRNDE
A_23_P160559	12,3688	11,4791	1,852790807	ENST00000470432	1893	NM_004425	ECM1
A_23_P131024	8,14723	7,25754	1,852777964	ENST00000392197	27033	NM_014383	ZBTB32
A_33_P3420879	2,50265	1,61316	1,852521132	ENST00000568856	N/A	BC015677	N/A
A_23_P329375	4,91487	4,02545	1,85243125	ENST00000333640	5463	NM_002702	POU6F1
A_22_P00014742	6,08858	5,19931	1,852238659	N/A	N/A	BC045807	lnc-SLC30A7-2
A_23_P353667	3,31644	2,42718	1,85222582	ENST00000592663	284424	NR_027148	MIR7-3HG
A_22_P00004430	8,66122	7,77206	1,852097438	ENST00000563286	N/A	AK125335	N/A
A_19_P00317871	9,39362	8,50455	1,851981902	ENST00000521122	5820	NR_003367	PVT1
A_33_P3398867	2,69692	1,80793	1,851879209	N/A	N/A	AF438406	lnc-C11orf82-1
A_33_P3244906	2,41405	1,52526	1,851622502	ENST00000261980	338917	NM_182894	VSX2
A_33_P3216718	3,81403	2,92527	1,851583999	ENST00000484151	N/A	N/A	N/A
A_33_P3226385	2,92876	2,04027	1,851237508	N/A	N/A	N/A	lnc-EFR3B-2
A_21_P0008360	4,76573	3,87737	1,851070702	N/A	N/A	N/A	lnc-C14orf166B-3
A_33_P3350913	4,11594	3,22766	1,850968059	ENST00000444864	80746	NM_001145395	TSEN2
A_23_P209394	10,1413	9,25306	1,85091674	ENST00000461820	8837	NM_001127184	CFLAR

A_33_P3265185	15,9512	15,0632	1,850608856	ENST00000403904	N/A	N/A	N/A
A_23_P110531	15,8163	14,9284	1,850480586	ENST00000256759	10468	NM_013409	FST
A_21_P0013454	2,62329	1,73556	1,850262548	ENST00000612253	N/A	N/A	N/A
A_33_P3420904	5,79641	4,90868	1,850262548	ENST00000445202	100169851	NM_001129883	PATE3
A_33_P6817068	6,11048	5,22293	1,850031711	N/A	100132273	NR_034118	NDUFA6-AS1
A_24_P50801	6,98734	6,09989	1,849903481	ENST00000478054	8828	NM_201264	NRP2
A_22_P00018978	3,15605	2,269	1,84939065	N/A	100861402	NR_045786	CERS6-AS1
A_23_P113351	8,37489	7,48789	1,849326556	ENST00000418378	8404	NM_004684	SPARCL1
A_21_P0001361	2,95211	2,06547	1,848865146	N/A	N/A	N/A	Inc-NBPF6-4
A_21_P0012156	6,09016	5,20354	1,848839515	ENST00000458422	N/A	N/A	N/A
A_23_P111088	4,23202	3,34548	1,848736997	ENST00000303324	81697	NM_033057	OR2B2
A_23_P83403	8,34754	7,46127	1,848391038	ENST00000511496	22998	NM_014988	LIMCH1
A_23_P65208	9,30497	8,41882	1,8482373	ENST00000467542	9205	NM_001039650	ZMYM5
A_23_P44505	9,35969	8,47356	1,848211678	ENST00000535335	8462	NM_003597	KLF11
A_22_P00021987	3,33035	2,44425	1,848173246	ENST00000417385	N/A	N/A	N/A
A_23_P401774	2,3304	1,44437	1,848083574	ENST00000265840	55531	NM_018712	ELMOD1
A_23_P327698	5,9822	5,09647	1,847699316	ENST00000296603	92255	NM_001007527	LMBRD2
A_19_P00806707	6,2878	5,40215	1,847596861	N/A	N/A	N/A	XLOC_I2_014579
A_33_P3396591	7,77895	6,89354	1,847289529	ENST00000448755	64773	NM_001271168	PCED1A
A_33_P3233150	7,9706	7,08533	1,847110275	ENST00000254323	65249	NM_023072	ZSWIM4
A_24_P76675	6,00512	5,11986	1,847097472	ENST00000510306	9848	NM_021647	MFAP3L
A_23_P145657	8,49043	7,6054	1,846803024	ENST00000426455	10734	NM_012447	STAG3
A_33_P3379512	5,52637	4,64146	1,846649418	ENST00000392987	84449	NM_001300912	ZNF333
A_22_P00014095	2,47837	1,59365	1,846406234	N/A	N/A	N/A	Inc-SASS6-1
A_33_P3240773	4,99829	4,11368	1,846265458	ENST00000335507	152302	BC043599	CIDCEP
A_23_P420209	8,05604	7,17177	1,8458304	ENST00000560585	9245	NM_004751	GCNT3
A_33_P3276678	2,64206	1,75785	1,845753635	ENST00000376707	30813	NM_199425	VSX1
A_23_P65230	7,80757	6,92354	1,845523361	ENST00000342624	84899	NM_032813	TMTC4
A_23_P319133	11,1488	10,265	1,845229164	ENST00000616986	54431	NM_018981	DNAJC10
A_23_P205007	9,9127	9,02907	1,845011745	ENST00000261574	3843	NM_002271	IPO5
A_23_P254573	13,6007	12,7171	1,844973379	ENST00000464253	27000	NM_014377	DNAJC2
A_23_P64404	10,5016	9,61802	1,844947803	ENST00000278829	3995	NM_021727	FADS3
A_23_P144959	3,17445	2,29098	1,844807138	ENST00000512590	1462	NM_004385	VCAN

A_22_P00022031	3,15534	2,27196	1,844692056	N/A	101928787	XR_243602	LOC101928787
A_33_P3390284	7,53674	6,65343	1,844602553	ENST00000611027	159090	NM_001166600	FAM122B
A_22_P00001168	3,07144	2,18815	1,844576982	N/A	N/A	N/A	Inc-AMZ2-1
A_33_P3735771	2,86422	1,98093	1,844576982	N/A	N/A	N/A	Inc-RP1-241P17.4.1-3
A_24_P917686	3,15389	2,27067	1,844487485	ENST00000404337	N/A	N/A	N/A
A_21_P0001439	2,35414	1,47099	1,844397992	N/A	101927711	XR_247101	LOC101927711
A_22_P00015300	3,25583	2,37281	1,844231802	N/A	101927817	NR_110931	LOC101927817
A_23_P122924	10,5775	9,69467	1,843988937	ENST00000442711	3624	NM_002192	INHBA
A_33_P3228868	3,50418	2,6214	1,84392503	N/A	N/A	N/A	N/A
A_21_P0004430	2,30736	1,42465	1,843835564	N/A	N/A	N/A	Inc-TMEM232-2
A_21_P0014055	3,95608	3,07351	1,843656646	ENST00000532255	727957	NM_001288814	MROH1
A_22_P00001465	7,82245	6,94009	1,843388301	N/A	N/A	N/A	Inc-AQP8-1
A_22_P00003459	2,47228	1,58994	1,843362747	ENST00000551161	N/A	AL043023	N/A
A_21_P0014622	6,02491	5,14291	1,842928372	N/A	101930333	XR_250613	LOC101930333
A_21_P0009240	4,94924	4,06726	1,842902824	ENST00000585387	N/A	N/A	N/A
A_22_P00000477	2,26052	1,37865	1,842762315	ENST00000602425	N/A	N/A	N/A
A_21_P0006478	2,9501	2,06825	1,842736769	N/A	N/A	N/A	Inc-ASMT-5
A_21_P0006852	2,95123	2,06942	1,842685678	N/A	N/A	N/A	Inc-ZEB1-2
A_33_P3385431	2,68634	1,80456	1,842647361	N/A	N/A	N/A	N/A
A_33_P3333667	6,86457	5,98281	1,842621817	ENST00000529926	143570	NM_001270380	XRRRA1
A_21_P0009787	4,01209	3,13042	1,842506872	ENST00000601776	N/A	N/A	N/A
A_33_P3213863	2,76878	1,88729	1,842277003	ENST00000330881	391002	NM_001012276	PRAMEF8
A_23_P310274	13,6732	12,7918	1,842162079	ENST00000503996	154754	NR_001296	PRSS3P2
A_33_P3306624	2,88279	2,00142	1,842123773	ENST00000293330	3060	NM_001524	HCRT
A_33_P3604069	5,24096	4,35964	1,842059931	ENST00000469997	N/A	AK022393	N/A
A_21_P0013421	6,92886	6,04757	1,842021627	N/A	N/A	N/A	XLOC_I2_013808
A_21_P0008271	2,86384	1,98263	1,841919486	ENST00000557689	N/A	N/A	N/A
A_23_P125475	2,3465	1,46533	1,841868418	ENST00000598523	55879	NM_018558	GABRQ
A_33_P3397693	10,3585	9,47741	1,841766286	ENST00000264167	8540	NM_003659	AGPS
A_33_P3421794	4,24046	3,35969	1,841357815	ENST00000460681	9704	NM_014681	DHX34
A_24_P191013	4,1836	3,30284	1,841345051	ENST00000371904	1579	NM_000778	CYP4A11
A_22_P00012305	2,51367	1,63306	1,841153613	N/A	101927275	NR_110771	NDUFV2-AS1
A_21_P0000926	4,81626	3,93569	1,841102566	N/A	100130417	N/A	LOC100130417

A_33_P3258141	11,5243	10,644	1,840758036	ENST00000590930	1147	NM_001278	CHUK
A_21_P0000030	4,70687	3,8266	1,840719759	ENST00000476261	23029	NM_001161533	RBM34
A_21_P0006500	6,36498	5,48495	1,840413571	N/A	N/A	N/A	Inc-FAAH2-2
A_21_P0008513	2,98894	2,10892	1,840400814	N/A	101927598	XR_247997	LOC101927598
A_33_P3555368	2,28142	1,40154	1,84022223	N/A	440129	AK129597	FLJ26086
A_23_P110276	9,26636	8,38649	1,840209474	N/A	84740	NR_026892	AFAP1-AS1
A_24_P407930	11,4441	10,5643	1,840120189	ENST00000590843	81929	NM_031216	SEH1L
A_22_P00014292	4,81504	3,93527	1,840081925	N/A	N/A	N/A	Inc-SERAC1-2
A_22_P00025863	2,407	1,52742	1,839839606	N/A	401410	N/A	LOC401410
A_22_P00011838	3,05566	2,17621	1,839673827	N/A	N/A	BX114982	Inc-PHKB-1
A_33_P3294031	7,97474	7,0955	1,839406062	N/A	10984	N/A	KCNQ10T1
A_33_P3324655	7,07808	6,19907	1,83911284	ENST00000613904	80185	NM_025115	TTI2
A_23_P26854	4,73457	3,85557	1,839100092	ENST00000379672	9912	NM_014859	ARHGAP44
A_33_P3399433	15,0028	14,1239	1,83897262	ENST00000379772	54976	NM_001258430	C20orf27
A_21_P0013792	7,78724	6,90841	1,838883395	ENST00000417443	399668	N/A	LINC00086
A_24_P313109	8,9671	8,0885	1,838590256	ENST00000239878	51569	NM_016617	UFM1
A_24_P139191	10,3629	9,4845	1,838335391	ENST00000621101	83737	NM_031483	ITCH
A_21_P0006619	2,65017	1,77182	1,83827168	N/A	101927381	N/A	LINC01163
A_21_P0011878	3,49561	2,61727	1,838258938	N/A	N/A	N/A	XLOC_I2_007788
A_21_P0001340	5,18613	4,3078	1,838246197	N/A	N/A	N/A	Inc-ABCD3-2
A_22_P00001737	3,11766	2,23936	1,838207972	ENST00000555257	N/A	N/A	N/A
A_21_P0004456	3,19581	2,31754	1,838169748	N/A	102546294	N/A	LOC102546294
A_32_P58614	5,60362	4,7254	1,838106043	ENST00000263468	57562	NM_020802	KIAA1377
A_33_P3303562	6,00953	5,13136	1,83804234	N/A	N/A	N/A	N/A
A_23_P337875	5,07526	4,19709	1,83804234	ENST00000508599	152559	NM_001040202	PAQR3
A_22_P00024183	2,35777	1,47971	1,837902202	N/A	N/A	N/A	Inc-BTBD10-4
A_33_P3274332	9,47741	8,59938	1,837863984	ENST00000435041	51465	NM_016021	UBE2J1
A_22_P00019571	11,0391	10,1611	1,837825767	ENST00000216294	6617	NM_003082	SNAPC1
A_22_P00016158	2,27218	1,39431	1,83766017	N/A	N/A	N/A	Inc-TIPIN-1
A_22_P00016173	9,25164	8,37382	1,837596482	ENST00000610106	84981	NR_028504	MIR22HG
A_23_P11224	12,3988	11,5213	1,837188935	ENST00000305963	93380	NM_173470	MMGT1
A_33_P3260862	4,21028	3,33288	1,837061596	ENST00000563803	N/A	N/A	N/A
A_33_P3233437	4,28433	3,40705	1,836908799	ENST00000578241	N/A	N/A	N/A

A_21_P0006002	2,5261	1,64898	1,836705091	ENST00000423326	101929582	NR_121604	LINC01241
A_22_P00002616	2,31592	1,43882	1,836679629	N/A	N/A	N/A	Inc-C1orf111-1
A_21_P0001021	2,85615	1,97913	1,836577785	ENST00000451362	N/A	N/A	N/A
A_23_P417383	7,21134	6,33438	1,836501405	ENST00000320256	151516	NM_152792	ASPRV1
A_22_P00001342	11,1514	10,2745	1,836425029	ENST00000499732	283131	NR_028272	NEAT1
A_23_P257578	10,8297	9,95282	1,836399571	ENST00000520427	10011	NM_001035235	SRA1
A_22_P00013725	3,09145	2,21472	1,836208646	ENST00000512260	643201	NR_036494	LOC643201
A_33_P3405004	10,3626	9,48587	1,836208646	ENST00000464756	152518	NM_001278624	NFXL1
A_33_P3502037	8,34291	7,46622	1,836157737	ENST00000581139	26973	NM_012124	CHORDC1
A_24_P125469	5,73128	4,85482	1,835865033	ENST00000623277	9388	NM_006033	LIPG
A_21_P0011169	4,59329	3,71693	1,835737785	N/A	100874164	N/A	LINC00417
A_33_P3505551	2,44157	1,56537	1,835534206	N/A	317702	BC107073	VN1R3
A_21_P0001128	6,08425	5,20826	1,835267043	N/A	102724077	NR_126355	LINC01389
A_33_P3349576	4,15581	3,27986	1,83521616	ENST00000375163	158427	N/A	TSTD2
A_33_P3397155	2,36134	1,48555	1,835012639	ENST00000618742	389610	NM_001289973	XKR5
A_23_P423074	8,95968	8,08394	1,834949043	ENST00000510609	26049	NM_015566	FAM169A
A_24_P189997	7,65424	6,77856	1,834872732	ENST00000331826	5046	NM_138322	PCSK6
A_33_P3243093	4,00222	3,12656	1,834847295	ENST00000313961	8490	NM_003617	RGS5
A_23_P140928	9,76438	8,88904	1,834440358	ENST00000304381	79905	NM_024847	TMC7
A_33_P3362367	4,38586	3,51069	1,83422421	ENST00000338850	10313	N/A	RTN3
A_22_P00003083	4,09913	3,22403	1,834135215	N/A	N/A	N/A	Inc-C8orf56-2
A_33_P6470440	5,66615	4,79113	1,834033511	N/A	101927102	NR_110903	ITFG1-AS1
A_23_P62907	11,5198	10,645	1,833753857	ENST00000367942	22926	NM_007348	ATF6
A_22_P00009337	9,49821	8,62342	1,833741146	ENST00000439853	23507	NM_015350	LRRC8B
A_23_P77918	2,63279	1,75807	1,833652174	ENST00000360954	9953	NM_006041	HS3ST3B1
A_23_P42257	14,4288	13,5541	1,833626755	ENST00000376377	8870	NM_003897	IER3
A_19_P00315506	9,55001	8,67532	1,833614045	ENST00000423313	9674	NM_001162893	KIAA0040
A_33_P3665812	3,8264	2,95175	1,833563207	N/A	N/A	AF090921	N/A
A_24_P389415	2,41777	1,54321	1,833448827	ENST00000522362	10687	NM_007257	PNMA2
A_23_P24275	5,48333	4,60891	1,833270917	N/A	55853	NR_027709	IDI2-AS1
A_33_P3344477	10,2263	9,352	1,833118436	ENST00000343279	10979	NM_001134999	FERMT2
A_22_P00006388	2,92139	2,04762	1,832445131	N/A	101928416	NR_120467	LOC101928416
A_21_P0005822	5,71901	4,84535	1,832305419	N/A	N/A	N/A	Inc-TM2D2-2

A_21_P0007155	3,86753	2,99389	1,832280018	N/A	N/A	N/A	Inc-RHOG-2
A_21_P0002960	6,06249	5,18888	1,832241917	ENST00000608605	N/A	N/A	N/A
A_22_P00013215	2,83571	1,96219	1,83212762	N/A	N/A	N/A	Inc-RNF40-1
A_19_P00326732	12,0395	11,166	1,832102221	ENST00000416247	221710	NM_001135575	SMIM13
A_22_P00009188	2,82131	1,94784	1,832064124	ENST00000454826	N/A	N/A	N/A
A_22_P00012008	4,38887	3,51545	1,832000631	N/A	N/A	N/A	Inc-PLCL2-1
A_22_P00014070	6,10065	5,22732	1,831886348	N/A	N/A	AA045595	Inc-SAMD14-1
A_22_P00004927	10,1687	9,29539	1,831860953	N/A	N/A	N/A	Inc-DBN1-2
A_23_P73097	11,0791	10,2058	1,831848255	ENST00000276500	8601	NM_170587	RGS20
A_23_P410224	4,34872	3,47556	1,8316705	ENST00000379586	347744	NM_001145020	C6orf52
A_23_P14986	9,26752	8,39447	1,831530848	ENST00000326152	3291	NM_000196	HSD11B2
A_33_P3422810	3,71255	2,83974	1,831226188	ENST00000229708	80329	NM_025218	ULBP1
A_24_P291826	7,42007	6,54738	1,831073877	ENST00000297239	94120	NM_001009991	SYTL3
A_22_P00019994	4,78301	3,91041	1,830959653	N/A	N/A	N/A	Inc-ORC4-1
A_33_P3248325	7,94804	7,07567	1,830667777	ENST00000331393	57669	NM_001184938	EPB41L5
A_23_P108342	7,91135	7,03917	1,830426698	ENST00000358744	51276	NM_016536	ZNF571
A_23_P398189	2,62094	1,74888	1,830274454	ENST00000354673	152404	NM_152538	IGSF11
A_23_P32414	12,5657	11,6937	1,830198336	ENST00000394334	51765	NM_016542	STK26
A_32_P174365	7,15342	6,28148	1,830122222	ENST00000260926	23314	NM_015265	SATB2
A_24_P943017	7,72923	6,85733	1,830071481	ENST00000284382	204219	NM_178842	CERS3
A_33_P3300332	3,73979	2,86791	1,830046111	N/A	644093	NR_120602	HCG2040054
A_33_P3271480	9,18974	8,31802	1,829843164	ENST00000263857	90784	NR_026984	LOC90784
A_21_P0002298	2,94694	2,07554	1,829437336	N/A	101929231	N/A	LOC101929231
A_33_P3301920	3,9535	3,08214	1,829386614	ENST00000616326	373509	NM_203494	USP50
A_33_P3467126	6,097	5,22579	1,829196419	ENST00000257659	85865	NM_033107	GTPBP10
A_21_P0005656	8,52292	7,65186	1,829006244	N/A	100506990	NR_040092	LOC100506990
A_32_P221822	7,36232	6,49136	1,828879471	ENST00000366932	51018	NM_016052	RRP15
A_33_P3347193	6,65226	5,7813	1,828879471	ENST00000466888	222008	NM_001301009	VSTM2A
A_22_P00009763	3,84627	2,97532	1,828866794	ENST00000502644	401172	DA372011	FLJ33360
A_24_P314337	3,58371	2,71284	1,828765383	ENST00000376150	8712	NM_003785	PAGE1
A_22_P00015739	4,56046	3,68973	1,828587927	N/A	101928994	NR_120648	LOC101928994
A_33_P3339036	10,8718	10,0011	1,828549903	ENST00000619732	4204	NM_001110792	MECP2
A_21_P0012047	2,28277	1,4122	1,828385142	N/A	N/A	N/A	XLOC_I2_007831

A_22_P00023477	3,73456	2,86399	1,828385142	N/A	N/A	N/A	Inc-AC018816.3.1-4
A_22_P00025780	2,9923	2,12192	1,828144363	N/A	N/A	N/A	Inc-PAPOLG-1
A_24_P239606	12,9231	12,0528	1,828042992	ENST00000592937	4616	NM_015675	GADD45B
A_24_P810290	2,89437	2,02449	1,827510886	ENST00000369073	196051	NM_001030059	PPAPDC1A
A_32_P132317	2,66287	1,79318	1,827270222	ENST00000392552	151556	NM_001033045	GPR155
A_21_P0000835	2,74643	1,87714	1,826763666	N/A	100129845	NR_038910	PCOLCE-AS1
A_24_P398092	10,7342	9,86498	1,826675033	ENST00000457811	5887	NM_002874	RAD23B
A_22_P00019080	3,67707	2,80785	1,826675033	N/A	101928253	N/A	LOC101928253
A_23_P11237	9,0416	8,17243	1,826611726	ENST00000461157	6872	NM_004606	TAF1
A_23_P203829	9,25086	8,38172	1,826573743	ENST00000426665	7556	NM_015394	ZNF10
A_33_P3374293	9,1356	8,26655	1,826459799	ENST00000240651	79912	NM_024854	PYROXD1
A_24_P51375	7,69466	6,82572	1,826320544	N/A	N/A	AF351612	N/A
A_23_P83266	11,457	10,5881	1,826269908	ENST00000372642	2021	NM_004435	ENDOG
A_23_P115805	2,40258	1,53376	1,826168641	ENST00000303903	93426	NM_001143764	SYCE1
A_21_P0000273	7,09966	6,23092	1,82606738	ENST00000482103	619569	NR_002590	SNORA41
A_33_P3209346	8,65372	7,78509	1,825928154	ENST00000395554	3376	NM_013417	IARS
A_23_P412603	2,99593	2,12758	1,82557381	ENST00000217270	128674	NM_144773	PROKR2
A_33_P3400758	8,63151	7,76321	1,825510542	ENST00000334241	148254	NM_152791	ZNF555
A_33_P3320533	2,96057	2,09232	1,825447276	ENST00000486964	25885	N/A	POLR1A
A_23_P26072	4,82124	3,95311	1,825295445	N/A	N/A	AF118084	N/A
A_21_P0006342	3,62323	2,75519	1,825181581	N/A	N/A	N/A	Inc-DMRTA1-5
A_24_P153511	7,80364	6,93575	1,824991823	ENST00000261183	114882	NM_020841	OSBPL8
A_22_P00007206	2,45065	1,58277	1,824979173	ENST00000581816	406979	NR_029489	MIR19A
A_22_P00008031	3,97776	3,11012	1,824675604	ENST00000436056	N/A	N/A	N/A
A_23_P12199	6,12077	5,25321	1,824574425	ENST00000289166	115572	NM_052943	FAM46B
A_23_P78201	3,39458	2,52702	1,824574425	ENST00000393989	3886	NM_002280	KRT35
A_21_P0012018	2,63919	1,77194	1,82418241	ENST00000431506	N/A	N/A	N/A
A_33_P3385671	3,03232	2,16518	1,824043329	N/A	N/A	N/A	N/A
A_21_P0010890	4,3456	3,47851	1,823980113	N/A	N/A	N/A	XLOC_I2_002033
A_22_P00015941	5,47088	4,60381	1,823954828	N/A	101927104	XR_246166	LOC101927104
A_33_P3240078	13,1444	12,2775	1,823739915	N/A	N/A	N/A	N/A
A_21_P0000191	2,67146	1,80463	1,823651428	ENST00000617049	5675	NM_002782	PSG6
A_23_P215744	2,27001	1,40319	1,823638788	ENST00000441556	83992	NM_033427	CTTNBP2



A_22_P00014065	6,13866	5,27212	1,823284888	ENST00000438154	101927678	N/A	LINC01429
A_21_P0002092	2,36167	1,49514	1,82327225	N/A	N/A	N/A	Inc-CCDC93-1
A_23_P47614	14,2066	13,3402	1,823107964	ENST00000314222	7262	NM_003311	PHLDA2
A_23_P128698	10,8669	10,0005	1,823107964	ENST00000540649	10253	NM_005842	SPRY2
A_22_P00004287	4,5293	3,66291	1,823095327	ENST00000552324	N/A	N/A	N/A
A_24_P377499	10,6891	9,82272	1,823082691	ENST00000313367	26031	NM_015550	OSBPL3
A_24_P222911	9,73398	8,86768	1,8229816	ENST00000425778	6432	NM_001031684	SRSF7
A_23_P132444	14,2763	13,41	1,8229816	ENST00000521086	6917	NM_006756	TCEA1
A_33_P3220530	14,4596	13,5934	1,822855245	ENST00000244020	6431	NM_006275	SRSF6
A_22_P00015832	3,22926	2,36365	1,822109928	ENST00000540024	400046	NR_033988	FLJ41278
A_23_P99930	11,4037	10,5382	1,821971005	ENST00000566524	54962	NM_017858	TIPIN
A_21_P0000180	3,66497	2,79958	1,821832092	ENST00000334821	100130348	NM_001282448	TMEM262
A_22_P00006151	3,44179	2,57658	1,821604802	N/A	N/A	N/A	Inc-FAM192A-2
A_33_P3221978	2,86577	2,00061	1,821541671	N/A	N/A	N/A	N/A
A_33_P3423551	12,9001	12,0353	1,821087193	ENST00000376377	8870	NM_003897	IER3
A_21_P0013366	4,02857	3,16397	1,820834755	ENST00000430530	N/A	N/A	N/A
A_32_P192615	11,6688	10,8046	1,820329982	ENST00000373790	6872	NM_001286074	TAF1
A_22_P00004735	2,65611	1,79194	1,82029213	ENST00000466387	1496	AK127226	CTNNA2
A_33_P3358938	8,03516	7,17105	1,820216427	ENST00000511124	9575	NM_001267843	CLOCK
A_23_P112512	8,69003	7,82614	1,819938879	ENST00000242275	92014	NM_033412	SLC25A51
A_22_P00001356	3,23265	2,36891	1,819749666	ENST00000579113	N/A	DB148555	N/A
A_23_P71774	2,61925	1,75568	1,819535249	ENST00000380232	3456	NM_002176	IFNB1
A_33_P3284596	5,14743	4,28405	1,819295636	ENST00000269586	390790	NM_001143968	ARL5C
A_21_P0001190	4,65987	3,79655	1,819219975	ENST00000422548	100505918	N/A	LOC100505918
A_21_P0012654	10,6618	9,79852	1,819169536	N/A	101928803	XR_251551	LOC101928803
A_23_P170581	7,32798	6,46483	1,81900562	ENST00000620195	197320	XR_172185	ZNF778
A_22_P00014512	3,05214	2,18913	1,818829111	N/A	N/A	N/A	Inc-SHPRH-2
A_33_P3346157	3,7551	2,89218	1,81871565	ENST00000216468	283578	NM_213601	TMED8
A_33_P3224212	7,02418	6,16128	1,818690437	ENST00000264160	23518	NM_001282798	R3HDM1
A_22_P00016321	3,0218	2,15911	1,818425726	ENST00000532849	N/A	N/A	N/A
A_21_P0003054	2,24162	1,379	1,818337498	N/A	N/A	N/A	Inc-SERPINI1-9
A_21_P0001518	5,48581	4,62334	1,818148451	N/A	N/A	N/A	Inc-PTGER3-2
A_23_P28878	10,7501	9,88775	1,817997228	ENST00000379772	54976	NM_001039140	C20orf27

A_21_P0009782	2,35737	1,49526	1,81769482	ENST00000585520	N/A	N/A	N/A
A_21_P0010318	2,36856	1,50659	1,817518438	N/A	N/A	N/A	Inc-AF165138.7.1-1
A_21_P0009754	9,75519	8,89343	1,817253898	N/A	N/A	N/A	Inc-UQCRFS1-9
A_22_P00025917	10,2563	9,39457	1,81721611	ENST00000556072	100506603	NR_104183	LOC100506603
A_33_P3235642	5,15811	4,29648	1,817090154	ENST00000367164	5929	NM_001193272	RBBP5
A_23_P114259	2,24678	1,38544	1,816724933	ENST00000485437	140456	NM_080873	ASB11
A_23_P100326	12,5756	11,7143	1,816674563	ENST00000611875	8131	NM_001039476	NPRL3
A_32_P221748	5,92619	5,06505	1,816473099	N/A	N/A	BX350880	N/A
A_33_P3494109	3,41675	2,55578	1,816259067	ENST00000577573	146795	XR_243752	LOC146795
A_33_P3306217	5,33246	4,47178	1,815894013	ENST00000376656	56658	NM_172016	TRIM39
A_21_P0008296	2,22787	1,36725	1,815818493	N/A	N/A	N/A	Inc-RNASE10-1
A_22_P00008742	6,6185	5,75795	1,815730391	N/A	643749	NR_034111	TRAF3IP2-AS1
A_21_P0002086	3,86808	3,00754	1,815717806	ENST00000443123	N/A	N/A	N/A
A_33_P3333712	6,53353	5,67357	1,814987988	ENST00000392253	55681	NM_017988	SCYL2
A_21_P0006968	9,77841	8,91864	1,814748973	ENST00000446372	207107	NR_027082	SFTA1P
A_23_P69188	11,6762	10,8168	1,814283614	ENST00000462982	285381	NM_206831	DPH3
A_22_P00001517	3,20032	2,34094	1,814258463	N/A	N/A	N/A	Inc-ARHGAP23-1
A_23_P35148	8,81626	7,95691	1,814220737	ENST00000338366	6884	NM_005645	TAF13
A_23_P88177	2,72573	1,86668	1,81384352	ENST00000341228	145264	NM_173850	SERPINA12
A_33_P3319542	4,8849	4,02589	1,81379323	ENST00000236877	6543	NM_015063	SLC8A2
A_22_P00016497	3,45585	2,59686	1,813768086	N/A	N/A	N/A	Inc-TMOD3-1
A_23_P48550	15,1519	14,293	1,813654941	ENST00000453495	283638	NM_015005	CEP170B
A_22_P00010710	6,75481	5,89601	1,813529232	N/A	N/A	N/A	Inc-NFYB-1
A_21_P0001864	2,85324	1,9945	1,813453811	ENST00000416845	N/A	N/A	N/A
A_23_P250948	8,04209	7,18346	1,813315547	ENST00000457855	7862	NM_001003694	BRPF1
A_33_P3413997	4,50773	3,6491	1,813315547	N/A	N/A	N/A	N/A
A_22_P00011476	2,89915	2,04105	1,812649515	ENST00000456384	N/A	N/A	N/A
A_33_P3390753	2,80191	1,94387	1,812574131	N/A	N/A	N/A	N/A
A_23_P154708	3,55594	2,69793	1,81253644	ENST00000378789	54363	NM_017545	HAO1
A_33_P3281373	3,57462	2,71666	1,812473623	N/A	N/A	N/A	N/A
A_22_P00013632	2,91915	2,0613	1,812335434	N/A	N/A	AK125516	Inc-RP11-625H11.1.1-3
A_23_P111929	6,68992	5,83215	1,81223494	ENST00000524027	51633	NM_016023	OTUD6B
A_33_P3420496	4,72252	3,86478	1,812197256	N/A	677832	NR_003015	SNORA53

A_23_P41075	10,6666	9,80897	1,812059088	ENST00000486107	84315	NM_032355	MON1A
A_33_P3417313	6,58399	5,72639	1,812021408	ENST00000447926	65263	NM_023078	PYCR1
A_33_P3265872	6,67358	5,81627	1,811657205	N/A	101927497	NR_110086	LOC101927497
A_23_P156180	7,22546	6,3682	1,811594419	ENST00000200652	6583	NM_003059	SLC22A4
A_21_P0000563	7,47882	6,62176	1,811343296	N/A	100302743	NR_028374	SNORA80B
A_33_P3288246	4,98957	4,13258	1,811255411	ENST00000302475	4163	NM_001085377	MCC
A_23_P140527	8,2587	7,40175	1,811205193	ENST00000396057	27023	NM_012182	FOXB1
A_22_P00004125	5,29112	4,43423	1,811129869	N/A	N/A	N/A	Inc-CLDN14-2
A_22_P00003420	4,29399	3,43712	1,811104762	N/A	N/A	BC039475	Inc-CCDC148-1
A_19_P00800061	3,72862	2,87183	1,811004335	N/A	100289026	XR_424060	LOC100289026
A_33_P3395859	5,13961	4,28298	1,8108035	ENST00000574814	147646	NM_001193623	C19orf84
A_23_P62371	9,67252	8,81601	1,810652888	ENST00000498029	6901	XM_006724836	TAZ
A_23_P24294	2,42482	1,56845	1,810477189	ENST00000263160	57084	NM_020346	SLC17A6
A_33_P3338071	2,29684	1,44053	1,810401895	N/A	N/A	N/A	N/A
A_23_P50674	5,30218	4,44618	1,810012926	ENST00000481489	113177	NM_001031735	IZUMO4
A_33_P3262694	11,7973	10,9414	1,80988747	N/A	N/A	N/A	N/A
A_19_P00327354	9,4698	8,61395	1,809824745	ENST00000419300	100506190	N/A	LINC00963
A_22_P00002615	5,23466	4,37891	1,809699302	N/A	101929305	XR_241170	LOC101929305
A_24_P179013	7,9502	7,0946	1,809511153	ENST00000428729	N/A	N/A	N/A
A_23_P250813	11,0714	10,2163	1,808884133	ENST00000521620	7486	NM_000553	WRN
A_33_P3214597	7,50001	6,64497	1,808808905	ENST00000381639	441212	NR_003500	RP9P
A_33_P3404970	2,46951	1,61465	1,808583241	ENST00000371211	221391	NM_181744	OPN5
A_23_P36226	11,233	10,3783	1,808382673	ENST00000302692	84275	NM_032315	SLC25A33
A_23_P51906	14,4147	13,56	1,808382673	ENST00000368010	5202	NM_012394	PFDN2
A_22_P00003426	4,01368	3,15898	1,808382673	N/A	N/A	N/A	Inc-CCDC23-1
A_32_P135091	9,94641	9,09177	1,808307466	ENST00000372479	55285	NM_018301	RBM41
A_22_P00022318	5,67173	4,81726	1,808094397	ENST00000453216	401264	NR_103446	TRAM2-AS1
A_22_P00023232	2,50832	1,65396	1,807956542	ENST00000449072	N/A	N/A	N/A
A_33_P3220827	10,5493	9,69496	1,807931479	ENST00000360472	8682	NM_001297576	PEA15
A_23_P81392	11,0239	10,1697	1,807756044	ENST00000518204	23286	NM_015238	WWC1
A_33_P3332126	9,05985	8,20578	1,807593156	ENST00000409736	51540	AK127520	SCLY
A_33_P3273364	12,5216	11,6678	1,807254897	ENST00000592646	78992	NM_024029	YIPF2
A_22_P00001666	2,81152	1,95789	1,807041952	N/A	N/A	N/A	Inc-ASH2L-1

A_24_P804667	10,9968	10,1433	1,806879128	ENST00000398922	751071	NM_001043229	METTL12
A_22_P00002791	2,34689	1,49344	1,806816508	N/A	N/A	N/A	Inc-C2CD4B-1
A_23_P45496	13,0568	12,2036	1,806503437	ENST00000491154	2664	NM_001493	GDI1
A_33_P3399380	2,21553	1,36276	1,805965083	ENST00000456928	N/A	N/A	N/A
A_24_P137522	10,9	10,0473	1,80587746	ENST00000509769	54532	NM_019050	USP53
A_21_P0014781	9,36558	8,51293	1,805814874	ENST00000395253	84792	NM_001037163	FAM220A
A_23_P123596	5,5716	4,71908	1,805652161	ENST00000321612	2731	NM_000170	GLDC
A_23_P202594	11,681	10,8285	1,805627129	ENST00000360003	79892	NM_024834	MCMBP
A_23_P133582	11,7075	10,8555	1,805001455	ENST00000360541	2107	NM_004730	ETF1
A_22_P00020012	8,13953	7,28766	1,804838815	ENST00000437504	63926	XM_005260792	ANKEF1
A_22_P00023620	3,73016	2,87829	1,804838815	N/A	N/A	N/A	Inc-PLCB4-2
A_21_P0010255	2,33097	1,47925	1,804651172	N/A	N/A	N/A	Inc-PDE9A-1
A_33_P3691758	3,75396	2,9024	1,804451041	ENST00000530880	N/A	X64985	N/A
A_22_P00000384	2,70841	1,85695	1,80432597	N/A	N/A	N/A	Inc-AC021218.2.1-2
A_22_P00009211	3,77226	2,92088	1,80422592	N/A	N/A	BX106498	Inc-LPIN2-2
A_22_P00023690	3,64144	2,79008	1,804200908	N/A	N/A	N/A	Inc-CEBPB-4
A_23_P431505	4,7448	3,89344	1,804200908	N/A	N/A	AB073660	Inc-AF131215.2.1-1
A_19_P00318600	8,73156	7,88039	1,803963314	N/A	648987	NR_034085	LOC648987
A_21_P0014331	5,20964	4,35851	1,803913299	N/A	100505942	NR_104656	LOC100505942
A_24_P49199	8,51841	7,66733	1,803850781	ENST00000396399	342035	NM_181789	GLDN
A_23_P40194	14,8688	14,0178	1,803750757	ENST00000622530	55661	NM_017895	DDX27
A_33_P3213557	8,05541	7,20442	1,803738254	ENST00000453589	51622	NM_015622	CCZ1
A_21_P0002657	2,3676	1,51665	1,803688245	N/A	102723594	XR_427017	LOC102723594
A_33_P3227079	3,3343	2,48353	1,803463219	ENST00000372261	84814	XM_005272231	PPAPDC3
A_22_P00003070	2,35085	1,50023	1,803275719	ENST00000521257	N/A	N/A	N/A
A_23_P365086	7,87634	7,02572	1,803275719	ENST00000378392	63926	XM_005260792	ANKEF1
A_22_P00020742	2,42027	1,5698	1,803088238	N/A	101928101	XR_241131	LOC101928101
A_23_P102508	9,30615	8,45576	1,802988256	ENST00000488743	8884	NM_021095	SLC5A6
A_21_P0000885	2,60345	1,75311	1,802925771	N/A	284408	NR_040027	ZNF790-AS1
A_22_P00015329	7,64804	6,79772	1,802900777	N/A	N/A	N/A	Inc-SPPL3.1-3
A_23_P48816	2,55108	1,70087	1,802763318	ENST00000560767	9153	NM_004212	SLC28A2
A_23_P363313	5,5125	4,66241	1,802613375	ENST00000573338	162515	NM_153357	SLC16A11
A_21_P0001545	7,29617	6,44646	1,802138636	ENST00000435649	149351	N/A	LOC149351

A_33_P3277883	5,37943	4,52976	1,802088671	N/A	100129931	NR_033828	LOC100129931
A_22_P00009447	4,46921	3,61963	1,801976254	N/A	N/A	AA431138	Inc-M6PR-1
A_23_P77135	6,47748	5,6279	1,801976254	ENST00000256538	89978	NM_080650	DPH6
A_33_P3383271	2,36382	1,51428	1,801926294	ENST00000379667	254786	NM_054104	OR6C3
A_19_P00322809	2,60429	1,75484	1,801813887	ENST00000598234	388210	N/A	LOC388210
A_33_P3224705	8,83994	7,99053	1,801763931	ENST00000391611	64430	N/A	PCNXL4
A_33_P3390546	7,6688	6,81942	1,801726465	N/A	N/A	AK130802	N/A
A_33_P3240946	2,64226	1,79307	1,801489197	ENST00000366353	8110	NM_001280544	DPF3
A_23_P310701	2,23588	1,38676	1,80140179	N/A	54627	NM_019090	MAP10
A_33_P3882264	5,81347	4,96437	1,801376817	N/A	692159	BC028005	GRASPOS
A_23_P80136	9,01338	8,16442	1,801202019	ENST00000497547	8568	NM_003683	RRP1
A_33_P3424384	4,38677	3,53793	1,801052206	ENST00000403537	80745	XM_005264579	THUMPD2
A_21_P0005658	9,86653	9,0177	1,801039722	ENST00000514145	N/A	N/A	N/A
A_32_P120638	7,5709	6,72223	1,800839991	ENST00000525931	92105	NM_033547	INTS4
A_24_P364236	9,53657	8,68822	1,800440596	ENST00000281031	4718	NM_004549	NDUFC2
A_21_P0013794	4,35132	3,50312	1,80025341	N/A	N/A	N/A	XLOC_I2_015632
A_32_P224234	3,80232	2,95418	1,800178542	N/A	645195	AK123450	LOC645195
A_23_P99996	4,67947	3,83135	1,800153586	ENST00000532292	54551	NM_019066	MAGEL2
A_23_P1320	2,6274	1,77952	1,799854146	ENST00000359322	58529	NM_021245	MYOZ1
A_23_P218706	8,43526	7,58738	1,799854146	ENST00000612935	79175	NM_024325	ZNF343
A_21_P0004778	4,61943	3,77182	1,799517335	ENST00000419220	100507406	N/A	LOC100507406
A_33_P3555477	2,38484	1,53727	1,799467442	ENST00000432154	N/A	XR_251522	N/A
A_22_P00002762	2,27898	1,43145	1,799417551	ENST00000436529	100874322	N/A	BACH1-IT2
A_23_P138271	12,6693	11,8218	1,799380134	ENST00000272217	127829	NM_138795	ARL8A
A_33_P3238182	2,59196	1,74447	1,799367662	ENST00000521663	26138	NR_026772	LINC00588
A_22_P00002161	3,83157	2,98409	1,799355189	ENST00000556542	N/A	N/A	N/A
A_22_P00012402	7,71001	6,86265	1,799205529	N/A	N/A	BE568189	Inc-PRKD1-2
A_33_P3316223	10,544	9,69669	1,799143175	ENST00000216294	6617	NM_003082	SNAPC1
A_22_P00001696	2,51787	1,6707	1,798968593	ENST00000581019	N/A	N/A	N/A
A_33_P3355933	2,7286	1,88149	1,798893778	ENST00000614360	50614	AK092825	GALNT9
A_22_P00020856	2,56864	1,72153	1,798893778	ENST00000428165	100507143	NR_108058	LINC00708
A_33_P3358312	9,98088	9,13378	1,798881309	ENST00000615618	51633	NM_016023	OTUD6B
A_22_P00000752	2,26795	1,42091	1,798806497	N/A	N/A	BX094239	Inc-ADCK1-1

A_33_P3388453	3,5755	2,7286	1,798631948	ENST00000341294	339345	NM_001029861	NANOS2
A_22_P00024462	7,56519	6,71835	1,798557147	N/A	101929693	NR_110861	RARA-AS1
A_23_P160503	11,5033	10,6565	1,798507281	ENST00000472197	51022	NM_016066	GLRX2
A_21_P0009815	2,90413	2,05743	1,798382622	ENST00000454749	29075	AF161557	LINC00652
A_33_P3407469	6,267	5,42033	1,798345226	ENST00000618182	57644	NM_020884	MYH7B
A_24_P832156	12,0208	11,1742	1,798257972	ENST00000520403	158293	NM_198841	FAM120AOS
A_23_P214330	13,9158	13,0692	1,798257972	ENST00000468511	1992	NM_030666	SERPINB1
A_21_P0014252	3,43086	2,58427	1,798245508	N/A	101929946	XR_424109	LOC101929946
A_22_P00019968	3,80766	2,96112	1,798183186	N/A	N/A	AK125860	Inc-RP11-582J16.5.1-4
A_21_P0012276	6,95226	6,1059	1,797958847	ENST00000338625	10166	NM_014252	SLC25A15
A_33_P3437907	4,80428	3,95804	1,797809303	ENST00000293443	284069	NM_198475	FAM171A2
A_22_P00013500	2,67565	1,82957	1,797609931	N/A	N/A	N/A	Inc-RP11-366L20.2.1-1
A_21_P0003635	2,37891	1,53284	1,797597471	N/A	N/A	N/A	Inc-OSTC-1
A_33_P3523583	2,37551	1,52949	1,797535172	N/A	642924	NR_033858	LINC00535
A_24_P363408	4,76788	3,92192	1,797460416	ENST00000368364	23493	NM_012259	HEY2
A_23_P312246	11,1624	10,3165	1,797385664	ENST00000278520	79780	NM_024725	CCDC82
A_33_P3397955	5,11108	4,26518	1,797385664	N/A	319085	NR_002808	ITPK1-AS1
A_22_P00003911	5,36188	4,51608	1,797261083	ENST00000456895	N/A	N/A	N/A
A_24_P322709	8,8037	7,95795	1,797198795	ENST00000217381	6640	NM_003098	SNTA1
A_33_P3243519	5,50387	4,65829	1,796987035	ENST00000512611	51735	NM_001164387	RAPGEF6
A_21_P0005650	6,06347	5,2179	1,796974579	N/A	N/A	N/A	Inc-ERI1-1
A_24_P75680	3,59339	2,74812	1,796600948	ENST00000546663	9498	NM_001258402	SLC4A8
A_23_P413760	6,01817	5,17292	1,796576042	ENST00000547933	5026	NM_175080	P2RX5
A_33_P3323136	6,99668	6,15168	1,796264746	ENST00000376363	219670	NM_145010	ENKUR
A_21_P0004381	3,89929	3,05473	1,795716996	N/A	101926960	NR_104635	LOC101926960
A_24_P235305	7,54117	6,69673	1,795567639	ENST00000311212	51123	NM_001042510	ZNF706
A_22_P00016439	2,61558	1,77124	1,795443184	N/A	N/A	N/A	Inc-TMEM5-1
A_23_P104438	5,49558	4,65134	1,795318737	ENST00000354393	84665	NM_032578	MYPN
A_33_P3272231	11,0983	10,2541	1,795268961	ENST00000480630	84879	NM_001136493	MFSD2A
A_33_P3398583	4,52976	3,6856	1,795219186	ENST00000373171	401260	NR_038887	LINC00951
A_22_P00012622	3,67074	2,82663	1,79515697	ENST00000584262	101927728	NR_110813	LINC01476
A_22_P00005760	3,41747	2,57342	1,795082313	N/A	N/A	DB009474	Inc-ENGASE-1
A_33_P3376971	13,0856	12,2418	1,794771276	ENST00000617961	79094	NM_024111	CHAC1

A_32_P6832	11,6914	10,8477	1,794646876	ENST00000381647	285636	NM_175921	C5orf51
A_32_P56143	4,34058	3,49705	1,794435416	N/A	N/A	N/A	N/A
A_33_P3257165	2,96592	2,12246	1,794348352	ENST00000477675	29799	NM_013313	YPEL1
A_33_P3304382	8,65861	7,81548	1,793937962	ENST00000396124	137682	NM_152416	NDUFAF6
A_22_P00011343	2,99528	2,15256	1,793428215	N/A	N/A	N/A	Inc-OTUD3-1
A_33_P3331451	6,9295	6,08683	1,79336606	ENST00000374994	7046	NM_004612	TGFBR1
A_22_P00023723	2,30237	1,45977	1,793279048	ENST00000583854	100134391	NM_001278587	LOC100134391
A_33_P3215134	9,66447	8,82189	1,793254188	ENST00000247930	27153	NM_015694	ZNF777
A_21_P0012602	5,67822	4,83571	1,793167181	N/A	N/A	N/A	XLOC_I2_010759
A_33_P3365524	7,59908	6,75681	1,792868903	ENST00000329331	84193	NM_199123	SETD3
A_22_P00005881	4,02936	3,18724	1,792682504	N/A	N/A	N/A	Inc-ESRP2-1
A_23_P163195	2,24812	1,40607	1,792595525	ENST00000298119	145581	NM_152447	LRFN5
A_22_P00019807	8,22868	7,38672	1,7924837	ENST00000423924	100996557	XR_158849	LOC100996557
A_21_P0012232	2,59784	1,75598	1,792359459	ENST00000415824	400867	N/A	LOC400867
A_33_P3221111	5,07717	4,23544	1,792197958	ENST00000624544	643847	AL832946	PGA4
A_33_P3396419	4,06496	3,22328	1,792135847	ENST00000558900	145773	N/A	FAM81A
A_23_P151209	10,2999	9,45842	1,791887421	ENST00000228515	81566	NM_030809	CSRNP2
A_22_P00021910	2,25241	1,41101	1,79178806	N/A	N/A	N/A	Inc-CAPN13-1
A_33_P3321906	3,83253	2,99125	1,79163903	ENST00000615227	N/A	N/A	N/A
A_33_P3228862	3,67929	2,83821	1,791390673	ENST00000343709	100130742	NM_001129890	LRRC69
A_33_P3365072	4,61159	3,77051	1,791390673	ENST00000431011	448835	NM_001128600	LCE6A
A_21_P0002534	2,64696	1,80591	1,791353423	N/A	N/A	N/A	Inc-INO80D-1
A_33_P3215452	6,75885	5,91812	1,790956132	ENST00000622602	100129361	NM_001271592	LOC100129361
A_23_P258321	13,0062	12,1656	1,790794758	ENST00000285298	51373	NM_015969	MRPS17
A_21_P0000028	3,14059	2,30003	1,790745107	N/A	9047	NM_001161444	SH2D2A
A_33_P3328410	4,59644	3,75593	1,790683046	ENST00000309775	N/A	XM_005274417	N/A
A_23_P23221	13,5371	12,6968	1,790422411	ENST00000370986	1647	NM_001924	GADD45A
A_23_P12113	8,20492	7,36474	1,790273494	ENST00000483790	28982	NM_014053	FLVCR1
A_22_P00003198	4,63909	3,79903	1,790124589	ENST00000561811	57546	NM_020786	PDP2
A_22_P00011514	2,54622	1,70625	1,790012919	N/A	N/A	DB144136	Inc-PAX8-1
A_22_P00020383	3,65422	2,81427	1,789988105	N/A	N/A	AK125753	Inc-ATG16L2-2
A_22_P00018809	2,46625	1,62632	1,78996329	ENST00000506925	N/A	AK124670	N/A
A_24_P2361	3,29841	2,45849	1,789950883	ENST00000439316	1187	NM_004070	CLCNA

A_32_P52785	4,56574	3,72583	1,789938476	ENST00000398904	23500	NM_015345	DAAM2
A_21_P0007248	7,4752	6,63539	1,789814411	N/A	N/A	N/A	Inc-PCF11-1
A_22_P00002339	4,14669	3,30692	1,789764788	ENST00000393946	N/A	N/A	N/A
A_23_P144337	3,57633	2,73658	1,789739977	ENST00000515616	25819	NM_012118	CCRN4L
A_21_P0009747	4,3071	3,46739	1,789690355	ENST00000596483	N/A	N/A	N/A
A_24_P315014	2,86011	2,02062	1,789417462	N/A	139629	XR_430517	XAGE-4
A_23_P118065	7,91582	7,07633	1,789417462	ENST00000199936	3294	NM_002153	HSD17B2
A_23_P65068	7,39796	6,55856	1,789305836	ENST00000527879	493861	NM_001008394	EID3
A_21_P0004729	2,73955	1,9002	1,789243824	ENST00000491317	221718	N/A	LINC00518
A_21_P0011749	3,36996	2,53066	1,789181815	N/A	N/A	N/A	XLOC_I2_007059
A_33_P3227275	2,58027	1,74104	1,789095005	ENST00000369053	N/A	N/A	N/A
A_33_P3316169	2,75882	1,91963	1,789045402	ENST00000525199	100131539	NM_001278713	ZNF705E
A_33_P3279545	7,31998	6,481	1,788785006	ENST00000456517	10114	NM_005734	HIPK3
A_23_P79962	10,349	9,51003	1,788772607	ENST00000347364	8195	NM_170784	MKKS
A_33_P3398727	8,8344	7,99546	1,788735411	ENST00000447898	642477	NR_122111	LINC01296
A_33_P3240333	13,3454	12,5067	1,78843787	ENST00000265340	5307	NM_002653	PITX1
A_24_P399980	4,62014	3,78159	1,788251932	ENST00000343002	9843	NM_014799	HEPH
A_23_P393034	12,5731	11,7346	1,788189957	ENST00000306560	3038	NM_005329	HAS3
A_32_P83098	2,47569	1,63724	1,788127984	ENST00000307331	6338	NM_000336	SCNN1B
A_21_P0002340	2,48013	1,64176	1,788028832	N/A	N/A	N/A	Inc-CPO-1
A_22_P00011995	3,97727	3,139	1,787904899	N/A	N/A	AK128046	Inc-PLCB4-2
A_19_P00802154	4,91737	4,07928	1,787681843	ENST00000370754	667	NM_001144769	DST
A_22_P00014533	4,32303	3,48511	1,787471204	ENST00000624113	114038	NR_026863	LINC00313
A_33_P3280074	3,7087	2,87081	1,787434034	ENST00000527524	2900	NM_001282470	GRIK4
A_21_P0008307	3,37403	2,53619	1,787372088	N/A	102724890	XR_424484	LOC102724890
A_22_P00002194	3,07056	2,23285	1,787211037	ENST00000433008	100506775	NR_117098	LINC01353
A_33_P3277973	2,35796	1,52028	1,787173873	N/A	120425	AK057590	AMICA1
A_22_P00011377	13,3219	12,4843	1,787074774	N/A	5029	NM_176072	P2RY2
A_21_P0013958	5,35156	4,51418	1,786802279	ENST00000512466	10016	AK128087	PDCD6
A_21_P0006584	6,60708	5,7697	1,786802279	ENST00000452254	158801	NR_027131	NKAPP1
A_33_P3340666	7,29047	6,4531	1,786789894	ENST00000334151	337972	NM_181611	KRTAP19-5
A_33_P3284508	10,7425	9,90522	1,786678432	ENST00000302014	929	NM_001174104	CD14
A_23_P89460	12,2282	11,3914	1,786084084	ENST00000620004	26574	NM_012138	AATF



A_21_P0001331	2,422	1,58535	1,78589839	N/A	101927871	XR_246366	LOC101927871
A_24_P360206	5,65222	4,81571	1,785725094	ENST00000529619	56138	NM_018902	PCDHA11
A_23_P14302	8,46266	7,6262	1,785663207	ENST00000557275	79686	NR_026779	LINC00341
A_21_P0002156	2,99073	2,15428	1,78565083	N/A	N/A	N/A	Inc-SNTG2-4
A_33_P3244279	5,25347	4,41706	1,785601322	N/A	84061	AF130104	MAGT1
A_33_P3266091	3,29129	2,45516	1,785254803	N/A	N/A	N/A	N/A
A_19_P00807748	7,46215	6,62614	1,785106316	ENST00000429932	102725166	XR_433765	LOC102725166
A_22_P00011169	3,87124	3,03533	1,784982586	ENST00000585275	N/A	N/A	N/A
A_32_P36313	9,7531	8,91732	1,78482175	ENST00000393077	143187	NM_145206	VTI1A
A_33_P3277826	4,25318	3,41767	1,784487753	ENST00000391700	284312	AY280370	ZSCAN1
A_23_P215778	9,35596	8,52066	1,78422802	ENST00000485825	11062	NM_181581	DUS4L
A_21_P0003973	4,46426	3,62911	1,78404252	ENST00000505844	N/A	N/A	N/A
A_21_P0014329	11,9611	11,126	1,783980691	ENST00000563307	1459	BC053935	CSNK2A2
A_23_P208210	9,50145	8,66663	1,783634487	ENST00000221315	9668	NM_014650	ZNF432
A_21_P0005099	8,49645	7,66174	1,783498497	ENST00000609139	643837	NR_047526	LINC01128
A_33_P3462856	2,27616	1,44164	1,783263629	N/A	N/A	AK023309	N/A
A_21_P0000462	3,51336	2,67891	1,783177107	ENST00000496254	100113381	NR_003687	SNORD19B
A_33_P3878772	9,20737	8,37318	1,782855775	ENST00000381652	3717	NM_004972	JAK2
A_23_P97394	12,9626	12,1288	1,782373885	ENST00000538653	8412	NM_003567	BCAR3
A_22_P00020041	3,05975	2,22628	1,781966234	N/A	N/A	N/A	Inc-GREM2-3
A_23_P103503	9,10131	8,26792	1,781867424	ENST00000621032	4194	NM_002393	MDM4
A_32_P35947	3,05858	2,22526	1,781780969	ENST00000443866	728763	N/A	LOC728763
A_33_P3403851	4,64146	3,80844	1,781410497	N/A	N/A	N/A	N/A
A_21_P0003719	8,41273	7,57971	1,781410497	N/A	N/A	N/A	Inc-SLC2A9-1
A_33_P3317211	6,54133	5,70832	1,781398149	ENST00000369957	4204	NM_001110792	MECP2
A_21_P0004589	2,54721	1,71426	1,781324064	ENST00000448744	387111	NR_033376	LINC00222
A_21_P0014740	7,48242	6,64952	1,781262329	N/A	N/A	N/A	N/A
A_22_P00007027	5,5253	4,6926	1,781015411	N/A	N/A	N/A	Inc-GIT1-1
A_23_P383986	10,9168	10,0842	1,780891965	ENST00000346248	51363	NM_015892	CHST15
A_33_P3307013	2,45478	1,62223	1,780830245	ENST00000522326	124989	NM_001195192	EFCAB13
A_21_P0007212	2,22325	1,39079	1,780719154	N/A	N/A	N/A	Inc-AP000790.1-2
A_21_P0009753	9,7405	8,90838	1,780299541	ENST00000590677	148189	N/A	LINC00662
A_24_P195286	4,21872	3,38687	1,77996639	ENST00000457863	N/A	N/A	N/A

A_23_P436284	3,0982	2,26665	1,779596295	ENST00000334287	123264	NM_178859	SLC51B
A_23_P120812	4,46411	3,63266	1,779472947	ENST00000330377	3543	NM_020070	IGLL1
A_23_P19210	12,1846	11,3532	1,779411276	ENST00000368864	84154	NM_032194	RPF2
A_33_P3275968	9,10714	8,27582	1,779312607	ENST00000336735	6400	NM_005065	SEL1L
A_21_P0004819	4,84966	4,01841	1,779226277	ENST00000532564	100508120	NR_046229	GMDS-AS1
A_33_P3233947	9,77189	8,94072	1,779127618	ENST00000464757	116228	NM_198076	COX20
A_24_P130363	3,00392	2,17295	1,778880996	ENST00000359446	753	NM_181482	LDLRAD4
A_33_P3375894	5,60798	4,7771	1,778770027	ENST00000429208	N/A	N/A	N/A
A_23_P101992	8,91613	8,08536	1,778634408	ENST00000494979	8685	NM_006770	MARCO
A_33_P3398965	5,0245	4,19381	1,778535782	ENST00000540479	91860	NM_033429	CALML4
A_21_P0010322	7,99388	7,16333	1,7783632	N/A	N/A	N/A	Inc-WDR4-1
A_22_P00021757	2,26066	1,4302	1,778252264	ENST00000455541	N/A	N/A	N/A
A_32_P137783	2,24724	1,41678	1,778252264	ENST00000454927	101929926	N/A	LOC101929926
A_22_P00016329	3,4306	2,60045	1,777870202	N/A	N/A	N/A	Inc-TMEM14E-2
A_21_P0001644	3,50716	2,67702	1,777857878	N/A	N/A	N/A	Inc-TOMM20-2
A_23_P305507	13,0626	12,2325	1,777808586	ENST00000361337	7150	NM_003286	TOP1
A_23_P84565	9,48615	8,6566	1,77713096	ENST00000518039	661	NM_001722	POLR3D
A_21_P0000445	5,86132	5,03203	1,776810717	N/A	100033418	NR_003321	SNORD116-6
A_33_P3213526	2,18754	1,35833	1,776712193	N/A	N/A	N/A	N/A
A_33_P3304172	2,29967	1,47056	1,776589045	ENST00000421673	4588	AK092533	MUC6
A_21_P0000287	10,9933	10,1642	1,77657673	N/A	26802	NR_002746	SNORD47
A_21_P0002581	2,82439	1,99538	1,776465905	N/A	N/A	N/A	Inc-SLC4A1AP-1
A_23_P140760	3,49447	2,66564	1,776244276	ENST00000569977	222487	NM_170776	GPR97
A_23_P73609	2,28167	1,4529	1,776170405	ENST00000378062	4693	NM_000266	NDP
A_33_P3301469	6,25399	5,42532	1,776047295	ENST00000470729	554226	NR_027019	ANKRD30BL
A_23_P134384	8,49705	7,66845	1,775961122	ENST00000403050	9678	NM_014660	PHF14
A_24_P260440	9,43447	8,6059	1,775924193	ENST00000337273	3842	NM_002270	TNPO1
A_23_P74716	9,91699	9,0885	1,775825717	ENST00000490843	9191	NM_032998	DEDD
A_24_P25346	12,675	11,8469	1,775345728	ENST00000352319	84916	NM_032830	CIRH1A
A_21_P0000232	4,32054	3,49252	1,775247285	N/A	338429	NR_001289	SNORD109B
A_21_P0000255	7,27566	6,44767	1,77521037	N/A	9299	NR_002561	SNORD30
A_33_P3304691	4,04305	3,21509	1,775173456	ENST00000382171	387264	NM_001005922	KRTAP5-1
A_23_P96165	7,17948	6,35159	1,775087326	ENST00000532727	79703	NM_024650	C11orf80

A_21_P0012349	4,37628	3,54839	1,775087326	ENST00000456279	150244	N/A	ZDHC8P1
A_22_P00022547	3,54717	2,71942	1,774915079	N/A	N/A	CU674621	Inc-GRID2IP-1
A_23_P68529	14,3012	13,4735	1,774853566	ENST00000380113	3704	NM_033453	ITPA
A_21_P0006203	2,42938	1,60178	1,774730547	N/A	N/A	N/A	Inc-RAD23B-5
A_21_P0010324	5,76991	4,94231	1,774730547	N/A	N/A	N/A	Inc-SIK1-4
A_21_P0003339	2,27102	1,44348	1,774656739	ENST00000514401	N/A	N/A	N/A
A_33_P3543133	5,38138	4,5541	1,774336942	N/A	283624	NR_038970	LINC00641
A_22_P00010749	2,49581	1,66855	1,774312345	N/A	N/A	AK058132	Inc-NKAIN3-2
A_23_P422350	2,43452	1,60745	1,774078687	ENST00000620575	4647	NM_000260	MYO7A
A_33_P3322864	7,02262	6,19558	1,774041797	ENST00000409160	55502	NM_018645	HES6
A_23_P41424	11,7581	10,9313	1,7737467	ENST00000394833	64116	NM_022154	SLC39A8
A_21_P0005753	2,38759	1,56088	1,773636051	N/A	N/A	N/A	Inc-UTP23-2
A_23_P200741	5,97876	5,15207	1,773611463	ENST00000367817	1805	NM_001937	DPT
A_22_P00006123	2,4333	1,60677	1,773414775	ENST00000568297	N/A	N/A	N/A
A_24_P271527	14,0971	13,2707	1,773254981	ENST00000216039	9929	NM_014876	JOSD1
A_33_P3413335	6,92728	6,10089	1,77324269	ENST00000618352	N/A	AF390550	N/A
A_33_P3319856	4,22282	3,39652	1,773132073	ENST00000339284	387694	NM_207372	SH2D4B
A_33_P3210916	4,4095	3,58328	1,773033752	ENST00000397102	6396	AK095629	SEC13
A_33_P3417318	5,84037	5,01416	1,773021462	ENST00000537226	101060200	N/A	ZNF891
A_33_P3280099	2,62616	1,80017	1,772751111	N/A	N/A	N/A	N/A
A_23_P211785	7,82843	7,00256	1,772603663	ENST00000396056	7584	NM_003420	ZNF35
A_22_P00004506	2,46221	1,63636	1,77257909	ENST00000540906	N/A	N/A	N/A
A_24_P712350	8,72799	7,90226	1,772431657	ENST00000366553	1122	NM_001821	CHML
A_24_P333019	9,76129	8,93561	1,77237023	ENST00000545616	11237	NM_007219	RNF24
A_22_P00008899	2,34446	1,51889	1,772235099	ENST00000457513	N/A	N/A	N/A
A_24_P242132	7,91786	7,0923	1,772222815	ENST00000527545	340371	NM_178564	NRBP2
A_23_P169178	14,0068	13,1813	1,772149112	ENST00000620767	7016	NM_006285	TESK1
A_33_P3215864	8,69311	7,86778	1,771940303	ENST00000492763	60343	NM_001171134	FAM3A
A_33_P3386062	5,50302	4,67791	1,771670116	ENST00000557527	283585	N/A	LOC283585
A_23_P55468	9,57529	8,75031	1,77151048	ENST00000613269	29928	NM_013337	TIMM22
A_22_P00010330	2,37742	1,55253	1,771399971	N/A	N/A	N/A	Inc-MYB-2
A_33_P3298173	3,96874	3,14388	1,771363136	ENST00000382676	N/A	AY746432	N/A
A_32_P233950	2,70134	1,87652	1,771314024	ENST00000370370	340168	NM_001025290	DPPA5

A_23_P93302	6,09043	5,26564	1,771277191	ENST00000377034	2550	NM_001470	GABBR1
A_21_P0011127	2,29981	1,47505	1,771240358	N/A	N/A	N/A	XLOC_I2_003644
A_23_P104025	9,91367	9,08904	1,771080761	ENST00000462677	116461	NM_052965	TSEN15
A_23_P10518	2,78173	1,95722	1,770933452	ENST00000310125	51270	NM_016521	TFDP3
A_22_P00025465	2,33342	1,50914	1,770651146	N/A	N/A	N/A	Inc-C1orf124-2
A_33_P3365002	8,90876	8,08455	1,770565235	ENST00000404155	7280	NM_001069	TUBB2A
A_19_P00330076	5,84646	5,0224	1,770381156	N/A	N/A	N/A	Inc-SIK1-5
A_33_P3319401	6,28523	5,46117	1,770381156	ENST00000476499	57584	AK074589	ARHGAP21
A_23_P27424	6,4922	5,66818	1,770332071	ENST00000598213	147686	NM_133460	ZNF418
A_21_P0011814	10,9423	10,1183	1,770307529	N/A	102724689	N/A	LOC102724689
A_22_P00018051	2,22409	1,40013	1,770258446	N/A	N/A	N/A	Inc-ZNF280D-1
A_33_P3303850	3,87952	3,05566	1,770135746	ENST00000425020	137492	AL834189	VPS37A
A_22_P00018310	6,78429	5,96048	1,770074399	N/A	N/A	AK125571	Inc-ZNF843-2
A_22_P00001309	2,23936	1,41555	1,770074399	N/A	N/A	N/A	Inc-ANP32A-1
A_23_P433229	6,54051	5,71685	1,76989037	ENST00000454243	9796	NM_014759	PHYHIP
A_22_P00020358	2,95235	2,12869	1,76989037	N/A	100874101	NR_046690	HDAC11-AS1
A_21_P0005138	2,5209	1,69731	1,769804496	ENST00000456896	100507477	NR_121622	LOC100507477
A_33_P3342195	2,82502	2,00152	1,769694094	N/A	N/A	N/A	N/A
A_33_P3338631	6,41955	5,59613	1,769595964	ENST00000396997	4901	NM_006177	NRL
A_33_P3327097	5,99265	5,16927	1,769546901	ENST00000370387	8776	N/A	MTMR1
A_22_P00019604	4,5392	3,71583	1,769534635	N/A	N/A	N/A	Inc-KIF16B-1
A_33_P3333527	11,0668	10,2435	1,769448779	ENST00000490743	55154	NM_018116	MSTO1
A_33_P3442605	7,19819	6,37509	1,769203498	N/A	389641	NR_033928	LOC389641
A_23_P47790	11,6085	10,7855	1,769080871	ENST00000257848	4234	NM_005371	METTL1
A_24_P68088	6,26141	5,43869	1,768737559	ENST00000478379	146771	NR_002947	TCAM1P
A_22_P00021392	3,60669	2,78401	1,768688519	N/A	N/A	N/A	Inc-RMI1-7
A_24_P928052	7,34003	6,51738	1,768651741	ENST00000374867	8829	NM_003873	NRP1
A_33_P3379377	9,60185	8,77927	1,768565928	ENST00000550449	4141	NM_004990	MARS
A_33_P3240972	3,84962	3,02716	1,768418829	ENST00000567390	728310	N/A	GOLGA6L7P
A_21_P0010381	4,88313	4,06072	1,768357541	ENST00000423712	N/A	N/A	N/A
A_19_P00804020	9,06563	8,24325	1,768320769	ENST00000422965	7088	NM_001303104	TLE1
A_23_P127079	12,2078	11,3855	1,768222715	ENST00000278070	23082	NM_015062	PPRC1
A_21_P0009831	6,54463	5,72235	1,768198203	ENST00000432334	N/A	N/A	N/A

A_21_P0004190	3,13543	2,31317	1,768173691	N/A	101928115	XR_245297	LOC101928115
A_33_P3294917	3,11526	2,2931	1,768051134	ENST00000443509	158471	NM_015225	PRUNE2
A_21_P0001127	4,22262	3,40053	1,76796535	ENST00000444042	N/A	N/A	N/A
A_33_P3318384	4,05767	3,23572	1,767793794	N/A	N/A	N/A	N/A
A_21_P0012971	8,37318	7,55151	1,767450732	ENST00000507290	N/A	N/A	N/A
A_21_P0014453	3,87857	3,05709	1,767217977	N/A	N/A	CA771536	Inc-MALL-1
A_23_P426944	3,51493	2,69351	1,767144482	ENST00000402703	5083	NM_006194	PAX9
A_24_P928510	7,5401	6,71869	1,767132234	ENST00000368814	117145	NM_053055	THEM4
A_33_P3262191	13,4691	12,6477	1,767119985	ENST00000268720	27132	NM_014427	CPNE7
A_19_P00317616	2,43523	1,61396	1,766960758	ENST00000428487	102724861	XR_425525	LOC102724861
A_23_P140668	11,2169	10,3957	1,766875027	ENST00000558535	3419	NM_005530	IDH3A
A_23_P70991	12,7777	11,9566	1,766752561	ENST00000223029	7965	NM_006303	AIMP2
A_33_P3388070	3,57904	2,75798	1,766703577	N/A	N/A	DB226000	N/A
A_22_P00012649	2,23084	1,40987	1,766593367	ENST00000419028	N/A	DB040628	N/A
A_22_P00005826	2,30003	1,47934	1,766250538	N/A	N/A	AX795355	Inc-ERAL1-3
A_23_P384650	3,21761	2,39698	1,766177083	ENST00000301944	115861	NM_138454	NXNL1
A_22_P00022991	2,44963	1,62911	1,766042424	N/A	N/A	AK125265	Inc-C17orf97-2
A_19_P00330308	5,88524	5,06475	1,766005701	ENST00000525292	157381	BX110954	LINC00964
A_33_P3230324	7,57585	6,75543	1,765920016	ENST00000354371	10920	NM_198189	COPS8
A_33_P3423220	5,15715	4,33679	1,765846575	ENST00000562197	100507050	NM_001195528	TPBGL
A_32_P790361	4,39975	3,5795	1,765711941	ENST00000473524	7643	NM_007138	ZNF90
A_22_P00005186	2,36262	1,54257	1,765467178	ENST00000435108	N/A	N/A	N/A
A_21_P0013727	7,90226	7,08245	1,765173508	N/A	101928413	XR_252552	LOC101928413
A_22_P00002346	6,60043	5,78065	1,765136802	N/A	N/A	BX109613	Inc-C11orf96-1
A_33_P3213235	4,51673	3,69704	1,765026691	ENST00000620128	339390	NM_198492	CLEC4G
A_24_P215475	8,70866	7,8891	1,764867653	ENST00000248211	7556	NM_015394	ZNF10
A_22_P00013268	2,451	1,63152	1,76476979	N/A	N/A	N/A	Inc-RP1-241P17.4.1-2
A_23_P2942	2,32049	1,50105	1,764720861	ENST00000346562	64067	NM_022123	NPAS3
A_22_P00007837	3,94161	3,12217	1,764720861	N/A	N/A	N/A	Inc-HPS4-1
A_24_P315638	5,27913	4,45971	1,764696397	ENST00000389832	116534	NM_001039165	MRGPRE
A_21_P0011968	6,77657	5,9572	1,764635239	N/A	N/A	N/A	XLOC_I2_008270
A_33_P3300172	2,64718	1,82782	1,764623007	N/A	10417	AK124606	SPON2
A_33_P3321522	4,00909	3,18977	1,764574082	ENST00000409061	100310846	NM_001271700	ANKRD61

A_22_P00011692	5,93204	5,11276	1,764525158	N/A	N/A	AF086543	Inc-PDHX-1
A_21_P0008357	4,55373	3,73456	1,764390625	N/A	N/A	N/A	Inc-C14orf118-1
A_23_P307544	8,43482	7,61594	1,764035996	ENST00000367033	5362	NM_025179	PLXNA2
A_21_P0014182	2,48462	1,66581	1,763950406	N/A	101927354	AK094662	LOC101927354
A_21_P0010701	2,52115	1,70245	1,763815917	N/A	N/A	N/A	Inc-KCNQ4-1
A_23_P415401	9,53618	8,71772	1,763522521	ENST00000377126	687	NM_001206	KLF9
A_33_P3328284	6,3748	5,55647	1,763363619	N/A	N/A	N/A	N/A
A_22_P00000865	7,13374	6,31544	1,763326951	N/A	101927609	XR_428101	LOC101927609
A_33_P3378634	3,33944	2,52115	1,763314729	ENST00000506633	100874259	NR_047031	SLC25A30-AS1
A_24_P371425	7,40526	6,58715	1,76309474	ENST00000346691	84126	NM_032166	ATRIP
A_23_P94159	12,9686	12,1505	1,763082519	ENST00000350302	26260	NM_183421	FBXO25
A_22_P00013007	2,28481	1,46672	1,763070298	N/A	N/A	N/A	Inc-RGL4-2
A_21_P0009752	9,80861	8,99058	1,762996976	N/A	N/A	N/A	Inc-UQCRFS1-9
A_21_P0011685	3,31346	2,49558	1,762813683	N/A	N/A	N/A	XLOC_I2_006665
A_24_P477051	4,58796	3,77028	1,762569322	ENST00000603814	N/A	N/A	N/A
A_33_P3241884	4,11416	3,29667	1,762337211	ENST00000336798	9672	NM_014654	SDC3
A_22_P00011495	2,2078	1,39059	1,761995207	ENST00000508923	N/A	N/A	N/A
A_33_P3610768	5,20193	4,38489	1,761787595	ENST00000611513	N/A	AK124265	N/A
A_33_P3319491	13,1401	12,3232	1,761616638	ENST00000337198	51582	NM_015878	AZIN1
A_23_P83634	5,40873	4,59185	1,761592217	ENST00000319144	242	NM_001139	ALOX12B
A_33_P3268532	6,87219	6,05548	1,761384652	ENST00000396973	5106	NM_001018073	PCK2
A_33_P3370875	6,22349	5,40691	1,761225942	N/A	N/A	N/A	N/A
A_33_P3342967	3,43464	2,6181	1,761177111	N/A	N/A	N/A	Inc-ZNF131-4
A_21_P0009694	2,56034	1,74384	1,761128282	ENST00000598042	374890	XR_109585	LOC374890
A_22_P00018907	2,47072	1,65439	1,760920772	N/A	N/A	N/A	Inc-YOD1-1
A_23_P315843	7,75999	6,94371	1,760859744	ENST00000290231	57727	NM_020967	NCOA5
A_21_P0004825	2,73428	1,91821	1,76060345	N/A	N/A	N/A	Inc-CDYL-3
A_32_P94	4,76765	3,95185	1,760273984	ENST00000287585	375323	NM_198560	LHFPL4
A_21_P0011952	4,55676	3,74097	1,760261783	N/A	101927260	XR_244828	LOC101927260
A_32_P25050	11,6836	10,8679	1,760151976	ENST00000240285	157506	NM_172037	RDH10
A_23_P52531	10,4821	9,66658	1,759932381	ENST00000368896	196792	NM_152644	FAM24B
A_23_P252855	13,455	12,6396	1,759786	ENST00000506023	55299	NM_018321	BRX1
A_21_P0005189	5,94383	5,12865	1,759517667	ENST00000484550	100507642	NR_108064	LOC100507642

A_33_P3377190	2,60679	1,79162	1,759505471	N/A	100131662	AK127156	LOC100131662
A_21_P0011934	7,5856	6,77044	1,759493275	ENST00000448494	150759	NR_103734	LINC00342
A_23_P43810	7,9261	7,11098	1,759444492	ENST00000404816	4052	NM_206943	LTBP1
A_23_P102351	4,9346	4,11967	1,759212792	ENST00000264249	9486	NM_004854	CHST10
A_23_P217297	7,10229	6,28754	1,758993315	ENST00000373165	7552	NM_021998	ZNF711
A_22_P00009699	4,01228	3,19773	1,758749484	ENST00000426213	N/A	N/A	N/A
A_23_P319633	2,18927	1,37489	1,758542254	ENST00000541184	158866	NM_144969	ZDHHC15
A_21_P0003685	2,2631	1,44879	1,758456931	N/A	N/A	N/A	Inc-SPCS3-1
A_24_P914495	8,43394	7,61969	1,7583838	ENST00000408948	2011	NM_004954	MARK2
A_21_P0004506	3,09382	2,27962	1,75832286	N/A	N/A	N/A	Inc-SREK1-1
A_21_P0000120	5,48002	4,66583	1,758310673	ENST00000567955	100134444	NM_001194958	KCNJ18
A_33_P3255664	3,94042	3,12632	1,758200987	ENST00000474046	5087	AK093508	PBX1
A_19_P00806450	3,68994	2,87595	1,758066936	N/A	N/A	N/A	XLOC_I2_003234
A_33_P3259253	4,70057	3,88667	1,757957265	ENST00000374481	940	NM_006139	CD28
A_22_P00021924	3,0464	2,23261	1,757823233	ENST00000528336	51585	N/A	PCF11
A_23_P44867	4,33549	3,52171	1,757811049	ENST00000449493	258	NM_016519	AMBN
A_23_P101737	9,49892	8,68515	1,757798864	ENST00000398665	84444	NM_032482	DOT1L
A_24_P822704	8,30919	7,49546	1,757750129	ENST00000344458	130612	NM_001005209	TMEM198
A_23_P203743	7,2223	6,40858	1,757737945	ENST00000361507	9846	NM_012296	GAB2
A_33_P3288017	9,64698	8,83333	1,757652661	ENST00000311180	201626	NM_177966	PDE12
A_22_P00001595	4,3692	3,55557	1,757628295	N/A	N/A	N/A	Inc-ARNTL-1
A_21_P0012407	11,7969	10,9833	1,757591746	ENST00000558353	8669	NM_003758	EIF3J
A_21_P0013797	6,074	5,26051	1,757457742	N/A	100272228	N/A	LINC00894
A_21_P0000846	10,0756	9,26228	1,757250664	N/A	100505839	NR_038940	SH3PXD2A-AS1
A_24_P156886	9,60978	8,79652	1,757177583	ENST00000331314	83479	NM_001031725	DDX59
A_24_P156288	8,90026	8,08701	1,757165404	ENST00000377051	64412	NM_022482	GZF1
A_33_P3256785	13,1279	12,3147	1,757104506	ENST00000586221	10498	NM_199141	CARM1
A_32_P48615	8,67171	7,85865	1,756934004	N/A	N/A	N/A	N/A
A_33_P3392921	9,29121	8,47824	1,756824404	ENST00000533931	2017	NM_001184740	CTTN
A_21_P0001174	2,16614	1,35327	1,756702634	N/A	N/A	N/A	Inc-PPIAL4G-7
A_23_P114405	13,2417	12,429	1,756495645	ENST00000441076	9643	NM_012286	MORF4L2
A_33_P3349495	5,88953	5,0769	1,756410422	ENST00000437686	252948	NR_001552	TTY16
A_33_P3253239	5,88352	5,07097	1,756313028	N/A	N/A	N/A	N/A

A_23_P22224	15,3769	14,5645	1,75613043	ENST00000338825	1978	NM_004095	EIF4EBP1
A_23_P62953	7,83783	7,02543	1,75613043	ENST00000367897	5087	NM_002585	PBX1
A_33_P3263002	3,06176	2,24938	1,756106086	ENST00000528029	100130348	AK124141	TMEM262
A_23_P75609	8,92688	8,11454	1,756057397	ENST00000533706	22897	NM_014956	CEP164
A_22_P00016027	2,30475	1,49249	1,755960023	N/A	N/A	BX112503	Inc-TGFB3-1
A_24_P386323	12,842	12,0298	1,755886996	ENST00000373538	10244	NM_005833	RABEPK
A_23_P77043	5,27126	4,4591	1,755838313	ENST00000256343	79820	NM_024764	CATSPERB
A_24_P49260	9,85334	9,04124	1,755765291	ENST00000399002	55304	NM_018327	SPTLC3
A_24_P350245	8,89774	8,08565	1,755753121	ENST00000481100	80005	NM_024940	DOCK5
A_33_P3238969	2,2781	1,46608	1,755667934	ENST00000382349	390874	NM_001080488	ONECUT3
A_21_P0014019	6,23923	5,42722	1,755655764	N/A	3957	AK130682	LGALS2
A_24_P288448	5,24752	4,43565	1,755485403	ENST00000478553	9770	BC110385	RASSF2
A_21_P0007126	6,80922	5,99749	1,755315058	ENST00000511677	N/A	N/A	N/A
A_24_P257971	9,19479	8,38313	1,755229891	ENST00000300456	10999	NM_005094	SLC27A4
A_33_P3220728	9,62076	8,8091	1,755229891	ENST00000349384	6239	NM_001003699	RREB1
A_21_P0013640	2,95082	2,13924	1,755132563	N/A	N/A	N/A	XLOC_I2_015200
A_21_P0010047	4,12467	3,31325	1,754937924	N/A	N/A	N/A	Inc-SULF2-3
A_21_P0008617	4,47993	3,66854	1,754901431	N/A	N/A	N/A	Inc-THBS1-2
A_22_P00015303	4,82395	4,01256	1,754901431	N/A	101929639	NR_108110	B4GALT1-AS1
A_33_P3375002	5,30511	4,49375	1,75486494	N/A	144481	NR_038263	SOCS2-AS1
A_33_P3423504	3,42346	2,61218	1,754767632	ENST00000400004	645864	NM_001277307	MAGEB17
A_22_P00015794	2,64035	1,82919	1,75462168	N/A	N/A	AK055171	Inc-TARDBP-1
A_22_P00013329	4,60939	3,79835	1,754475741	N/A	N/A	BX094565	Inc-RP11-124K4.2.1-3
A_23_P156209	12,8644	12,0534	1,754427097	ENST00000308683	90441	NM_033414	ZNF622
A_21_P0014864	5,44413	4,63314	1,754414937	N/A	N/A	N/A	N/A
A_23_P322395	4,92191	4,11108	1,754220377	ENST00000282326	284312	NM_182572	ZSCAN1
A_22_P00011295	2,43591	1,62511	1,754183899	N/A	N/A	N/A	Inc-ORC3-1
A_21_P0005059	2,16537	1,35457	1,754183899	N/A	N/A	N/A	Inc-MOXD1-1
A_22_P00002629	2,32818	1,51759	1,753928577	N/A	101929757	XR_246325	LOC101929757
A_21_P0014807	2,71666	1,90625	1,753709759	N/A	101928729	XR_253640	LOC101928729
A_33_P3326285	17,1271	16,3168	1,753576051	ENST00000454068	60674	NR_002578	GAS5
A_21_P0011855	3,92243	3,11218	1,753515277	N/A	101928243	N/A	DARS-AS1
A_33_P3217213	10,9908	10,1807	1,75333297	ENST00000486828	9260	NM_005451	PDLIM7



A_24_P314681	4,75069	3,94067	1,753235747	ENST00000446589	N/A	N/A	N/A
A_21_P0012562	2,23422	1,42426	1,753162834	ENST00000458224	N/A	XR_431672	N/A
A_22_P00014879	2,40013	1,59027	1,753041318	N/A	N/A	N/A	Inc-SLC6A4-3
A_22_P00015995	5,7134	4,90366	1,75289551	ENST00000473055	113419	NM_144582	TEX261
A_21_P0014343	2,44111	1,63168	1,752518896	N/A	N/A	N/A	N/A
A_23_P171359	9,68325	8,87386	1,752470307	ENST00000371825	54521	NM_019045	WDR44
A_33_P3402284	2,18346	1,3742	1,7523124	ENST00000439707	121838	N/A	LINC00284
A_23_P254212	7,55953	6,75027	1,7523124	ENST00000373040	29935	NM_013347	RPA4
A_23_P1641	9,84843	9,03926	1,752203089	ENST00000533277	9986	NM_005133	RCE1
A_22_P00015532	3,15629	2,34723	1,752069495	N/A	N/A	N/A	Inc-STK24-1
A_21_P0001767	2,41302	1,60397	1,752057351	N/A	348751	N/A	FTCDNL1
A_23_P28057	14,4822	13,6732	1,75199663	ENST00000589087	7064	NM_003249	THOP1
A_33_P3351955	7,19043	6,38143	1,75199663	ENST00000342916	1956	NM_201282	EGFR
A_33_P3358403	12,9282	12,1193	1,751875195	ENST00000481053	728489	NM_001080849	DNLZ
A_21_P0001901	2,24268	1,43379	1,751863052	ENST00000438897	N/A	N/A	N/A
A_24_P917819	7,8445	7,03566	1,751802338	ENST00000452011	149992	NR_026916	ANKRD30BP2
A_23_P203420	12,579	11,7706	1,751268147	ENST00000278823	9219	NM_004739	MTA2
A_19_P00321076	8,59592	7,78758	1,751195315	ENST00000613916	5820	NR_003367	PVT1
A_33_P3271930	7,63046	6,8224	1,750855474	ENST00000581271	5831	NM_153824	PYCR1
A_32_P497434	6,75786	5,94984	1,750806931	N/A	N/A	AB000466	Inc-ADD1-1
A_22_P00016859	5,30361	4,49559	1,750806931	N/A	N/A	DA498238	Inc-TRPT1-2
A_21_P0008466	2,37146	1,5635	1,750734118	N/A	N/A	N/A	Inc-ALKBH1-1
A_22_P00001812	2,2503	1,44252	1,750515699	ENST00000517994	N/A	DA072126	N/A
A_21_P0002686	2,26035	1,45268	1,750382234	N/A	N/A	N/A	Inc-ZSWIM2-7
A_33_P3393796	11,8243	11,0168	1,750175989	ENST00000261249	57570	NM_020810	TRMT5
A_23_P78383	9,62665	8,81939	1,749884863	ENST00000592682	29919	NM_013326	C18orf8
A_23_P105368	6,67802	5,87078	1,749860604	N/A	N/A	AK001057	N/A
A_21_P0008604	2,25155	1,44431	1,749860604	N/A	N/A	N/A	Inc-GABRA5-2
A_33_P3360917	7,02477	6,21768	1,749678677	ENST00000361565	55705	NM_018085	IPO9
A_33_P3230414	5,06861	4,26189	1,749230004	ENST00000354377	342132	NM_001004309	ZNF774
A_23_P21706	12,8238	12,0173	1,74896328	ENST00000372621	1503	NM_001905	CTPS1
A_24_P289299	3,39922	2,59282	1,748842056	ENST00000466399	115557	NM_182947	ARHGEF25
A_22_P00012840	3,84705	3,04066	1,748829934	N/A	101929423	NR_109940	MEF2C-AS1

A_24_P225635	6,70277	5,8964	1,74880569	ENST00000449105	92906	XR_427000	HNRNPLL
A_22_P00012338	2,51346	1,70735	1,748490551	N/A	728012	NR_038384	MCHR2-AS1
A_23_P200260	9,75031	8,94427	1,748405716	ENST00000462762	80003	NM_014801	PCNXL2
A_33_P3318661	6,02827	5,22232	1,748296648	ENST00000416496	144455	NM_203394	E2F7
A_24_P182494	9,74456	8,93864	1,748260294	ENST00000494642	11221	NM_007207	DUSP10
A_23_P134517	10,2533	9,44738	1,748260294	ENST00000395699	5814	NM_033224	PURB
A_22_P00005821	3,76144	2,95565	1,748102767	N/A	N/A	N/A	Inc-EPST11-1
A_22_P00017227	3,24798	2,44222	1,748066416	N/A	N/A	AK311005	Inc-ULK4-1
A_33_P3241051	4,67993	3,8743	1,747908907	N/A	170691	NM_139057	ADAMTS17
A_21_P0001462	2,97986	2,17431	1,747811985	N/A	N/A	N/A	Inc-NPHP4-3
A_23_P402000	6,59547	5,79008	1,747618157	ENST00000356178	84503	NM_032453	ZNF527
A_23_P5211	6,81899	6,01371	1,747484913	ENST00000601404	94025	NM_024690	MUC16
A_24_P393372	8,71476	7,90966	1,747266899	ENST00000447393	23241	NM_001100913	PACS2
A_33_P3389693	5,07845	4,27337	1,747242677	N/A	N/A	XM_003846298	Inc-GABPA-4
A_33_P3273230	7,72507	6,92004	1,747182123	ENST00000368987	84072	NM_032132	HORMAD1
A_23_P34031	2,52741	1,72245	1,747097351	ENST00000286049	9502	NM_130777	XAGE2
A_24_P342086	7,41051	6,60564	1,746988365	N/A	11060	NM_001270455	WWP2
A_33_P3278205	7,03424	6,22938	1,746976256	N/A	100499183	NR_109954	BAALC-AS1
A_21_P0014323	3,86401	3,05918	1,746939929	N/A	N/A	N/A	Inc-BCKDK-1
A_21_P0008051	7,36916	6,56436	1,746903603	ENST00000441430	N/A	N/A	N/A
A_21_P0001367	3,97801	3,17324	1,746867277	N/A	N/A	N/A	Inc-WDR3-2
A_23_P258310	2,269	1,4643	1,746782521	ENST00000356297	137902	NM_144651	PXDNL
A_33_P3326662	3,4165	2,61181	1,746770413	N/A	N/A	AK124238	Inc-PDGFB-2
A_21_P0009728	3,44744	2,64287	1,746625127	N/A	N/A	N/A	Inc-CD33-1
A_23_P92202	8,56415	7,75962	1,746576701	ENST00000308388	29925	NM_021971	GMPPB
A_33_P3211263	11,1292	10,3248	1,746419325	ENST00000368232	54865	NM_182679	GPATCH4
A_22_P00012642	3,28666	2,48228	1,746395115	ENST00000522627	101927766	NR_109891	LOC101927766
A_33_P3214665	6,39565	5,59162	1,745971488	ENST00000360351	4133	NM_002374	MAP2
A_22_P00008754	2,74024	1,93625	1,74592308	ENST00000418358	N/A	N/A	N/A
A_32_P109036	6,31398	5,51006	1,74583837	ENST00000355504	284443	NM_001076678	ZNF493
A_21_P0011064	2,80616	2,00233	1,745729462	N/A	N/A	N/A	XLOC_I2_003139
A_21_P0000158	6,85473	6,0509	1,745729462	ENST00000482652	63929	NM_001204827	XPNPEP3
A_21_P0003262	2,23631	1,4325	1,745705261	N/A	N/A	N/A	Inc-NAALADL2-2

A_33_P3705884	10,6721	9,86832	1,745668961	ENST00000561521	148189	AK094188	LINC00662
A_22_P00016216	3,20564	2,40215	1,745318094	N/A	654841	NR_102371	LOC654841
A_33_P3282434	9,37444	8,571	1,745257607	ENST00000538576	6566	NM_001166496	SLC16A1
A_33_P3314146	8,62799	7,82467	1,745112447	ENST00000333396	84864	NM_001042533	MINA
A_33_P3394978	6,15981	5,3565	1,745100351	ENST00000532706	100128239	NR_027276	LOC100128239
A_33_P3245243	3,13133	2,32818	1,744906824	N/A	N/A	N/A	N/A
A_24_P282547	7,62699	6,82388	1,744858445	ENST00000251424	10877	NM_006684	CFHR4
A_21_P0005794	8,02695	7,22384	1,744858445	N/A	N/A	N/A	Inc-PRAGMIN.1-3
A_33_P3412438	5,47355	4,67065	1,744604481	N/A	N/A	N/A	N/A
A_21_P0011939	7,73765	6,93479	1,744556111	ENST00000431244	N/A	N/A	N/A
A_22_P00013746	2,82072	2,01791	1,74449565	N/A	N/A	BG207661	Inc-RP11-863N1.2.1-2
A_21_P0011337	5,27938	4,47658	1,744483558	N/A	N/A	N/A	XLOC_I2_004771
A_23_P60517	9,27105	8,46831	1,744411008	ENST00000396366	2395	NM_181425	FXN
A_23_P42588	2,4292	1,62655	1,74430219	ENST00000479556	55340	NM_018384	GIMAP5
A_33_P3296807	6,71359	5,91104	1,744181288	N/A	55869	NM_001166419	HDAC8
A_24_P381975	5,40798	4,60549	1,744108751	ENST00000570006	79583	NM_001077416	TMEM231
A_33_P3258041	6,8759	6,07344	1,744072484	ENST00000358966	9453	NM_001037277	GGPS1
A_32_P168464	10,2193	9,41686	1,744048306	ENST00000421587	8573	NM_003688	CASK
A_21_P0009048	2,64364	1,84121	1,744036217	N/A	N/A	N/A	Inc-TK2-5
A_23_P429092	6,87047	6,06805	1,744024129	ENST00000367822	10767	NM_001145207	HBS1L
A_21_P0011026	2,59742	1,79511	1,743891159	ENST00000529938	283140	N/A	LOC283140
A_22_P00020037	2,79338	1,99115	1,743794459	N/A	N/A	N/A	Inc-ZPBP-1
A_23_P95930	14,1551	13,3529	1,743758199	ENST00000403681	8091	NM_003483	HMGA2
A_24_P122137	10,702	9,89983	1,743721938	ENST00000249075	3976	NM_002309	LIF
A_22_P00017729	4,17703	3,3749	1,743673593	ENST00000441136	55857	BC039296	KIZ
A_22_P00010303	5,57311	4,77098	1,743673593	N/A	N/A	N/A	Inc-MTX1-1
A_33_P3415086	7,41605	6,61401	1,74356482	ENST00000442518	N/A	N/A	N/A
A_22_P00016306	3,23452	2,43249	1,743552735	ENST00000535247	N/A	N/A	N/A
A_24_P339858	2,45901	1,65701	1,743516479	N/A	114043	NR_026547	TSPEAR-AS2
A_22_P00022232	11,992	11,1902	1,743274793	ENST00000381750	10171	NM_005772	RCL1
A_33_P3261328	6,67971	5,87801	1,743153963	ENST00000368799	2312	NM_002016	FLG
A_32_P109604	5,35447	4,55323	1,742598251	ENST00000624291	100874392	NR_046228	ANKRD20A12P
A_33_P3209351	12,7039	11,9027	1,742549936	ENST00000375627	3376	NM_013417	IARS

A_21_P0001762	2,56412	1,76297	1,742489545	ENST00000431139	100506929	XR_247111	LOC100506929
A_33_P3371493	10,0771	9,27597	1,742465389	ENST00000361337	7150	NM_003286	TOP1
A_23_P208937	5,11335	4,31222	1,742465389	ENST00000497878	79816	NM_024760	TLE6
A_21_P0004856	4,39075	3,58975	1,742308384	N/A	N/A	N/A	Inc-GMNN-1
A_22_P00008547	2,2551	1,45413	1,742272154	N/A	N/A	N/A	Inc-KCNMB1-3
A_33_P3239579	2,70582	1,90496	1,742139318	ENST00000419531	100131060	NR_034014	LINC01135
A_24_P943113	4,41022	3,60957	1,741885749	ENST00000295612	317649	NM_173359	EIF4E3
A_33_P3245412	8,3379	7,5373	1,741825381	ENST00000297994	158234	NM_144964	TRMT10B
A_23_P306919	12,6932	11,8927	1,741704651	ENST00000370409	541578	NM_001013845	CXorf40B
A_33_P3314857	4,36433	3,56418	1,741282162	ENST00000410029	3769	NM_002242	KCNJ13
A_22_P00014433	5,15532	4,3552	1,741245953	ENST00000509924	101928741	XR_241805	LOC101928741
A_23_P401568	13,3789	12,579	1,740980447	ENST00000306434	4144	NM_005911	MAT2A
A_23_P128744	9,77679	8,97703	1,740811509	ENST00000611804	623	NM_000710	BDKRB1
A_33_P3254191	8,63644	7,83672	1,740763244	ENST00000261183	114882	NM_020841	OSBPL8
A_21_P0004339	2,24021	1,44068	1,740534004	N/A	N/A	N/A	Inc-BNIP1-3
A_33_P3356816	2,61218	1,81295	1,740172108	ENST00000360090	353132	NM_178349	LCE1B
A_21_P0002564	2,50991	1,71068	1,740172108	N/A	N/A	N/A	Inc-TPO-2
A_21_P0000483	4,71741	3,91819	1,740160046	N/A	692195	NR_003941	SNORD75
A_21_P0003979	6,59388	5,79483	1,739955007	N/A	N/A	N/A	Inc-C5orf17-4
A_23_P78795	3,99758	3,19856	1,739918826	ENST00000561204	56917	NM_001009813	MEIS3
A_21_P0010093	4,23626	3,4373	1,739846466	N/A	N/A	N/A	Inc-NCOA3-9
A_24_P402784	4,0748	3,27585	1,739834406	ENST00000439524	10991	NM_006841	SLC38A3
A_22_P00008336	3,84464	3,04571	1,739810287	ENST00000555299	101929002	XR_245809	LOC101929002
A_21_P0014380	7,06593	6,267	1,739810287	ENST00000588040	N/A	XR_109525	N/A
A_22_P00004271	2,59428	1,79542	1,739725873	N/A	N/A	DB205159	Inc-CNBD1-4
A_33_P3335391	5,42789	4,62906	1,739689697	ENST00000345041	644815	NM_001039999	FAM83G
A_23_P79911	12,07	11,2713	1,739532942	ENST00000333082	9491	NM_006814	PSMF1
A_33_P3298326	3,38066	2,58215	1,739303864	ENST00000417547	2488	NM_000510	FSHB
A_22_P00011208	2,75232	1,95421	1,738821694	N/A	N/A	N/A	Inc-OLR1-2
A_23_P43276	5,38426	4,58615	1,738821694	ENST00000412232	25960	NM_032777	GPR124
A_23_P365060	6,16472	5,36663	1,738797589	ENST00000369393	23195	NM_014611	MDN1
A_23_P141345	10,6785	9,88044	1,738761432	ENST00000398389	4356	NM_001932	MPP3
A_23_P62276	10,595	9,79695	1,73874938	ENST00000482407	79576	NM_024528	NKAP

A_19_P00322941	2,61727	1,81924	1,738725276	ENST00000518014	728264	N/A	MIR143HG
A_23_P1029	8,55831	7,76029	1,738713224	ENST00000490075	4237	NM_017459	MFAP2
A_24_P38347	8,04983	7,25193	1,738568608	ENST00000521913	1808	NM_001386	DPYSL2
A_33_P3248203	2,95602	2,15819	1,738484254	ENST00000592091	2527	NM_002034	FUT5
A_33_P3331992	5,67327	4,8757	1,738170975	N/A	N/A	N/A	N/A
A_33_P3239736	8,38385	7,5863	1,738146879	ENST00000371822	54521	NM_019045	WDR44
A_23_P502750	6,45408	5,65656	1,738110736	ENST00000393412	4193	NM_002392	MDM2
A_23_P327605	3,79878	3,00139	1,737954123	ENST00000392607	84435	NM_001083909	GPR123
A_24_P944991	6,26858	5,47138	1,737725253	ENST00000513458	285672	NM_173829	SREK1IP1
A_21_P0006417	2,46974	1,67269	1,737544588	ENST00000423914	N/A	N/A	N/A
A_33_P3415092	8,26592	7,46916	1,737195355	ENST00000376088	1184	NM_001127899	CLCN5
A_32_P198325	9,57786	8,78118	1,737099027	ENST00000460524	388886	NM_207644	LRRC75B
A_21_P0012327	8,4336	7,63706	1,736930466	ENST00000458623	N/A	N/A	N/A
A_33_P3361257	13,3925	12,596	1,736882308	ENST00000613081	51491	NM_016391	NOP16
A_33_P3238671	8,19094	7,39453	1,736773959	ENST00000378979	149840	XM_006723549	C2orf196
A_23_P20122	8,85517	8,05904	1,736436917	ENST00000471652	56829	NM_024625	ZC3HAV1
A_24_P237270	4,60647	3,81042	1,736340631	ENST00000358654	135	NM_000675	ADORA2A
A_19_P00805523	4,1551	3,35917	1,736196212	ENST00000606459	100505738	N/A	MIR4458HG
A_23_P203558	3,34685	2,55108	1,736003673	ENST00000335295	3043	NM_000518	HBB
A_22_P00023843	3,65587	2,86011	1,73599164	N/A	N/A	AK092036	Inc-CUBN-1
A_33_P3307008	3,33962	2,54399	1,735835218	N/A	643677	NM_001146197	CCDC168
A_21_P0014589	9,0177	8,22227	1,735594597	N/A	101929112	XR_246129	LOC101929112
A_21_P0000087	8,34217	7,54683	1,735486328	N/A	79648	NM_001172574	MCPH1
A_23_P90311	12,8568	12,0617	1,735197645	ENST00000248244	148022	NM_182919	TICAM1
A_21_P0004969	2,84978	2,05471	1,735161563	N/A	100861523	N/A	RPS6KA2-AS1
A_23_P430842	2,25256	1,45751	1,735137509	ENST00000291481	404037	NM_023002	HAPLN4
A_33_P3269049	2,84954	2,05452	1,735101428	ENST00000416620	N/A	N/A	N/A
A_33_P3255531	4,87986	4,08492	1,735005216	ENST00000530210	100129216	NM_001242853	LOC100129216
A_23_P108280	9,02845	8,23356	1,734945086	ENST00000324632	66002	NM_023944	CYP4F12
A_22_P00020983	2,31831	1,52346	1,734896984	N/A	N/A	N/A	Inc-SPATA9-1
A_32_P486620	6,51536	5,7206	1,734788759	ENST00000319338	283284	NM_173588	IGSF22
A_24_P323072	5,34641	4,55168	1,734752685	ENST00000380346	2797	NM_178332	GNRH2
A_24_P228579	11,6191	10,8245	1,734596375	ENST00000463598	79133	NM_024120	NDUFAF5

A_24_P225679	10,3982	9,60366	1,734524237	ENST00000305123	3667	NM_005544	IRS1
A_33_P3591810	2,86092	2,06644	1,734452102	ENST00000459691	N/A	AF119858	N/A
A_21_P0010405	6,13363	5,33916	1,734440079	N/A	102724827	NR_110543	MIATNB
A_23_P19004	11,6877	10,8933	1,734355926	ENST00000467963	65980	NM_023924	BRD9
A_21_P0011692	6,32265	5,52831	1,734283798	N/A	N/A	N/A	XLOC_I2_006718
A_21_P0007773	4,51438	3,7202	1,73409147	N/A	N/A	N/A	Inc-TAOK3-7
A_33_P3395675	6,91377	6,11964	1,734031372	ENST00000390323	N/A	AB776856	N/A
A_33_P3309039	12,9473	12,1533	1,733875127	ENST00000439958	79869	NM_024811	CPSF7
A_21_P0008784	4,93365	4,13981	1,733682845	ENST00000557545	400451	XR_243234	FAM174B
A_33_P3233995	2,38442	1,59061	1,733646794	N/A	N/A	N/A	N/A
A_33_P3381328	8,48142	7,68779	1,733430507	N/A	158228	NR_027294	FAM201A
A_33_P3238052	10,8659	10,0723	1,733394461	ENST00000547539	29902	NM_013300	FAM216A
A_33_P3275174	3,17961	2,38607	1,733322373	ENST00000400156	100131980	NM_001164457	ZNF705G
A_33_P3209895	10,3759	9,58243	1,733238274	ENST00000428076	92002	NM_001130997	FAM58A
A_21_P0009496	2,39897	1,60556	1,733166192	N/A	N/A	N/A	Inc-SOCS6-3
A_33_P3395952	5,89864	5,10539	1,732973988	ENST00000479501	57642	NM_020882	COL20A1
A_23_P419714	11,0022	10,209	1,732913929	ENST00000280758	121551	NM_001018072	BTBD11
A_21_P0011080	2,7758	1,98271	1,732781806	N/A	N/A	N/A	XLOC_I2_003285
A_23_P115011	8,44995	7,65691	1,732721753	ENST00000369039	54507	NM_019032	ADAMTSL4
A_24_P383356	4,1556	3,3627	1,732553617	ENST00000240095	23516	NM_015359	SLC39A14
A_21_P0002740	2,53012	1,73723	1,732541608	N/A	100506637	NR_109996	PRKAR2A-AS1
A_23_P120845	14,8383	14,0456	1,732313451	ENST00000611155	7494	NM_005080	XBP1
A_24_P148907	4,26931	3,47686	1,73201329	ENST00000317605	10586	NM_006439	MAB21L2
A_23_P99076	8,64488	7,85267	1,731725184	ENST00000381847	5555	NM_005042	PRH2
A_24_P40094	2,3888	1,59689	1,731365119	ENST00000597739	85300	NM_033064	ATCAY
A_33_P3343290	7,07846	6,28668	1,731209115	ENST00000354300	160760	NM_139283	PPTC7
A_33_P3295985	2,70258	1,91096	1,731017128	N/A	440570	XR_426511	LOC440570
A_33_P3219601	6,64126	5,84982	1,730801169	ENST00000504405	27	NM_007314	ABL2
A_23_P17481	2,58554	1,79416	1,730729188	ENST00000344754	6614	NM_023068	SIGLEC1
A_21_P0003886	6,70624	5,91499	1,730573241	N/A	101928237	XR_241657	LOC101928237
A_33_P3322283	8,74755	7,95655	1,730273381	ENST00000295748	64343	NM_001271650	AZI2
A_21_P0000368	9,52245	8,73156	1,730141459	ENST00000529794	692072	NR_003033	SNORD5
A_33_P3210418	2,91874	2,12788	1,730105483	ENST00000395643	125206	NM_001282417	SLC5A10

A_33_P3219770	7,20853	6,41784	1,729901628	ENST00000367435	79577	NM_024529	CDC73
A_24_P160466	6,59629	5,80615	1,729242261	ENST00000303991	114787	NM_052899	GPRIN1
A_33_P3358037	10,0303	9,2403	1,729074463	ENST00000522306	N/A	N/A	N/A
A_33_P3767927	12,922	12,132	1,729074463	ENST00000231509	2908	NM_001018077	NR3C1
A_22_P00000704	3,78425	2,99431	1,729002554	ENST00000511579	N/A	N/A	N/A
A_23_P114282	13,9831	13,1932	1,728954616	ENST00000371315	28985	NM_014060	MCTS1
A_33_P3312104	5,69517	4,90527	1,728954616	ENST00000449476	80169	NM_025099	CTC1
A_21_P0008239	2,25191	1,46206	1,728894696	ENST00000428761	100885781	NR_047699	LINC00348
A_23_P257593	8,96445	8,17461	1,728882713	ENST00000314565	118426	NM_058169	LOH12CR1
A_33_P3222228	7,85058	7,06075	1,728870729	ENST00000592563	2528	NM_000150	FUT6
A_33_P3321205	8,24898	7,45932	1,72866702	ENST00000443071	57596	NM_001159531	BEGAIN
A_21_P0011300	2,18868	1,39927	1,72836749	N/A	N/A	N/A	XLOC_I2_004595
A_21_P0001193	2,35105	1,56167	1,72833155	ENST00000440404	284688	NR_026957	LINC01142
A_23_P28015	9,96949	9,18011	1,72833155	ENST00000301475	148156	AK055494	ZNF558
A_23_P92012	10,8706	10,0813	1,728235714	ENST00000284995	80746	NM_025265	TSEN2
A_21_P0002236	2,16988	1,38063	1,728175819	ENST00000433065	N/A	XR_425411	N/A
A_21_P0009023	4,96792	4,17876	1,728068013	N/A	N/A	N/A	Inc-AC136428.1.1-2
A_21_P0005519	4,39326	3,60413	1,728032079	N/A	N/A	N/A	Inc-TMEM130-1
A_22_P00004483	2,53887	1,74988	1,727864398	ENST00000443776	N/A	XR_241639	N/A
A_23_P121716	14,1699	13,3814	1,727277642	ENST00000505805	306	NM_005139	ANXA3
A_23_P116512	6,09453	5,30619	1,727086092	ENST00000389693	79899	NM_024841	PRR5L
A_33_P3239936	2,46926	1,68105	1,726930472	N/A	N/A	N/A	N/A
A_21_P0012381	3,36335	2,57514	1,726930472	N/A	N/A	N/A	XLOC_I2_009790
A_33_P3366064	5,39889	4,61078	1,726810775	ENST00000279034	140710	NM_199181	SOGA1
A_32_P182394	7,14268	6,35461	1,726762898	ENST00000314531	58492	NM_021217	ZNF77
A_22_P00012170	6,67716	5,88913	1,726715023	ENST00000580867	101927642	NR_110783	LINC01444
A_33_P3345210	6,70372	5,91591	1,726451732	ENST00000611774	727910	NM_001164407	TLCD2
A_33_P3420247	4,55459	3,76695	1,726248308	N/A	340515	NR_034157	LINC01501
A_23_P142289	9,93217	9,14467	1,726080799	ENST00000586180	2767	NM_002067	GNA11
A_23_P400310	2,32879	1,54137	1,725985088	ENST00000256585	83998	NM_032044	REG4
A_21_P0003295	2,22811	1,44097	1,725650139	ENST00000462528	N/A	N/A	N/A
A_22_P00011653	4,54353	3,75651	1,72550661	N/A	102724626	XR_427345	LOC102724626
A_33_P3397323	8,47707	7,69005	1,72550661	ENST00000357901	126068	NM_152355	ZNF441

A_23_P34107	11,9781	11,1911	1,725482689	ENST00000393600	9130	NM_004699	FAM50A
A_22_P00010567	2,84796	2,06101	1,725422889	N/A	N/A	N/A	Inc-NDE1-3
A_23_P77286	6,81268	6,02575	1,72539897	ENST00000256544	79768	NM_024713	KATNBL1
A_24_P188377	12,4556	11,6688	1,725243503	ENST00000488171	1604	NM_000574	CD55
A_23_P433791	7,37668	6,58993	1,725183712	ENST00000295050	83932	NM_001010984	SPRTN
A_21_P0013786	2,47361	1,68686	1,725183712	N/A	N/A	N/A	XLOC_I2_015590
A_21_P0002187	4,33137	3,54465	1,725147838	N/A	N/A	N/A	Inc-SLC4A1AP-1
A_21_P0010893	9,7332	8,94656	1,725052178	ENST00000482985	101060691	NR_120612	NUTM2B-AS1
A_23_P59988	4,73778	3,95119	1,724992393	ENST00000382435	83650	NM_054028	SLC35G5
A_23_P35309	8,96396	8,17738	1,724980437	ENST00000258281	27097	NM_014409	TAF5L
A_23_P87491	2,18574	1,39922	1,724908698	ENST00000398189	319	NM_001638	APOF
A_23_P79999	12,7072	11,9209	1,724645683	ENST00000360031	955	NM_001247	ENTPD6
A_21_P0014900	2,30694	1,5209	1,724334898	N/A	N/A	N/A	N/A
A_19_P00318517	5,93456	5,14866	1,724167576	ENST00000435162	102724827	NR_110543	MIATNB
A_22_P00008272	10,656	9,87022	1,724024169	ENST00000559432	643911	NR_110453	CRNDE
A_23_P76882	13,8459	13,0602	1,723928572	ENST00000556854	57820	NM_182852	CCNB1IP1
A_23_P39034	14,6872	13,9015	1,723928572	ENST00000344626	6597	NM_003072	SMARCA4
A_24_P282210	13,1372	12,3516	1,723809082	ENST00000219611	6650	NM_005632	CAPN15
A_23_P18824	12,2379	11,4524	1,723689601	ENST00000230859	11044	NM_006999	PAPD7
A_21_P0009433	5,76202	4,97669	1,723486502	N/A	N/A	N/A	Inc-USP14-5
A_22_P00004151	4,00132	3,21604	1,723426772	ENST00000465414	728276	NM_001256720	CLEC19A
A_33_P3318796	10,6029	9,81768	1,723355098	ENST00000166139	10272	NM_005860	FSTL3
A_33_P3594214	9,13519	8,34998	1,723343153	ENST00000400303	10821	NR_044999	OR7E12P
A_22_P00016255	4,04726	3,26212	1,723259537	ENST00000424155	N/A	AL109713	Inc-TMED3-1
A_22_P00005844	3,90532	3,12038	1,72302066	ENST00000553075	N/A	N/A	N/A
A_33_P3325231	3,21003	2,42511	1,722996774	N/A	N/A	N/A	XLOC_I2_001961
A_21_P0000239	5,6194	4,83455	1,722913175	N/A	594837	NR_002434	SNORD101
A_22_P00010531	2,19785	1,41304	1,722865407	N/A	N/A	N/A	Inc-NCDN-1
A_23_P19115	10,2517	9,46696	1,722781815	ENST00000340438	23708	NM_018094	GSPT2
A_23_P90804	10,166	9,38138	1,722638524	ENST00000350878	9448	NM_145686	MAP4K4
A_22_P00007632	5,78906	5,00449	1,722578823	N/A	100130855	NR_034080	USP3-AS1
A_33_P3325763	2,44222	1,6579	1,722280348	ENST00000291592	81543	XR_109680	LRR3
A_22_P00001488	2,45078	1,66661	1,722101289	N/A	N/A	AK127367	Inc-ARFGEF2-1



A_21_P0007784	2,27393	1,48989	1,721946118	ENST00000541065	100996671	NR_110034	LOC100996671
A_21_P0011320	2,71333	1,92932	1,721910312	N/A	N/A	N/A	XLOC_I2_004640
A_21_P0012566	2,502	1,71818	1,721683555	ENST00000508601	285484	NR_037863	LOC285484
A_21_P0014433	2,29532	1,51153	1,721647754	N/A	N/A	N/A	N/A
A_33_P3219785	13,0333	12,2496	1,721540355	ENST00000356454	65124	NM_023016	SOWAHC
A_23_P29384	9,37137	8,58779	1,721397167	ENST00000436624	91392	NM_033210	ZNF502
A_33_P3310409	2,62415	1,84057	1,721397167	N/A	N/A	N/A	N/A
A_23_P211196	5,6166	4,8331	1,721301716	ENST00000330551	84536	NR_027129	LINC01547
A_33_P3270863	12,0134	11,2299	1,721301716	ENST00000379416	7498	NM_000379	XDH
A_22_P00021980	8,18686	7,40338	1,721277853	ENST00000438659	N/A	N/A	N/A
A_23_P26847	7,83672	7,05332	1,721182408	ENST00000245479	6662	NM_000346	SOX9
A_21_P0005614	4,08643	3,30305	1,721158548	ENST00000533286	157381	NR_027321	LINC00964
A_22_P00022025	4,78633	4,003	1,721098898	ENST00000428035	N/A	N/A	N/A
A_22_P00007852	4,75823	3,97493	1,721063109	ENST00000578490	N/A	DA924359	N/A
A_33_P3319593	4,78818	4,00492	1,721015392	ENST00000311635	79791	NM_024735	FBXO31
A_24_P272515	7,86895	7,08595	1,720705261	ENST00000435729	N/A	N/A	N/A
A_24_P56330	4,02885	3,24606	1,720454812	ENST00000283547	121793	NM_152324	TEX29
A_33_P3340565	8,10435	7,32159	1,720419037	ENST00000533518	339105	NM_001039503	PRSS53
A_22_P00007103	2,65172	1,86902	1,720347488	N/A	N/A	N/A	Inc-GLS-1
A_22_P00022335	2,45226	1,66975	1,720120936	N/A	N/A	N/A	Inc-AC011484.1-1
A_21_P0014660	6,95911	6,1767	1,720001711	N/A	N/A	BC108692	N/A
A_23_P202392	10,2467	9,46434	1,719942101	ENST00000378325	79723	NM_024670	SUV39H2
A_22_P00002737	7,09348	6,31138	1,719632164	N/A	100507459	NR_109990	NRSN2-AS1
A_21_P0013810	3,03555	2,25359	1,719465298	N/A	N/A	N/A	XLOC_I2_015700
A_33_P3232993	11,087	10,3051	1,719393789	ENST00000408948	2011	NM_001039469	MARK2
A_23_P32078	2,55885	1,777	1,7193342	ENST00000376238	64078	NM_022127	SLC28A3
A_22_P00017027	4,38752	3,60572	1,719274614	ENST00000555413	N/A	XR_429395	N/A
A_21_P0011686	2,36964	1,58787	1,719238863	ENST00000597761	100129543	N/A	ZNF730
A_23_P2431	6,49046	5,70869	1,719238863	ENST00000307637	719	NM_004054	C3AR1
A_32_P198731	6,14079	5,35903	1,719226946	ENST00000369800	54492	NM_001142651	NEURL1B
A_21_P0011441	2,71173	1,93006	1,719119699	N/A	N/A	N/A	XLOC_I2_005244
A_24_P605190	7,95534	7,17373	1,719048204	ENST00000419445	5229	NM_005023	PGGT1B
A_22_P00006623	3,75213	2,97054	1,719024373	N/A	101928784	NR_120339	RORA-AS1

A_23_P6786	9,94191	9,16042	1,718905223	ENST00000339437	51095	AK124137	TRNT1
A_21_P0014262	3,92675	3,14542	1,718714601	N/A	100507144	NR_120528	LOC100507144
A_21_P0009917	4,24529	3,464	1,718666949	N/A	101927842	XR_244203	LOC101927842
A_22_P00023624	4,15764	3,37651	1,718476353	N/A	100873921	NR_046649	SYP-AS1
A_33_P3351566	6,08278	5,30165	1,718476353	ENST00000335148	55500	NM_001039481	ETNK1
A_21_P0000240	8,243	7,46215	1,718142862	N/A	594838	NR_002435	SNORD100
A_22_P00024972	2,76705	1,98623	1,718107134	N/A	N/A	N/A	Inc-GNAT2-1
A_23_P351	4,13578	3,35501	1,71804759	ENST00000349460	2035	NM_203342	EPB41
A_23_P120062	9,33797	8,55721	1,718035682	ENST00000541687	6936	NM_003203	GCFC2
A_22_P00007394	4,43454	3,65403	1,717737995	ENST00000449923	N/A	N/A	N/A
A_22_P00021803	4,17583	3,3954	1,717642746	ENST00000564363	N/A	CU677578	N/A
A_33_P3371683	2,90223	2,12181	1,71763084	ENST00000564895	N/A	N/A	N/A
A_23_P103398	10,772	9,99168	1,717511787	ENST00000366783	5664	NM_000447	PSEN2
A_23_P417331	11,0886	10,3083	1,717487977	ENST00000379565	6197	NM_004586	RPS6KA3
A_32_P24140	2,82485	2,04456	1,717476073	ENST00000278187	2620	NM_005256	GAS2
A_22_P00024423	5,69354	4,91329	1,717428455	ENST00000581626	N/A	AL711312	N/A
A_33_P3400258	4,15221	3,3723	1,717023756	ENST00000404473	142827	NM_207321	ACSM6
A_32_P222149	3,02128	2,24139	1,716999953	ENST00000382124	100506049	NM_001195280	LRRC72
A_33_P3360147	3,18912	2,40926	1,71696425	N/A	N/A	N/A	N/A
A_33_P3383687	4,38655	3,60669	1,71696425	N/A	N/A	AK123308	N/A
A_33_P3221284	5,38782	4,60815	1,716738144	ENST00000206423	151887	NM_199511	CCDC80
A_21_P0009847	2,321	1,54156	1,716464477	ENST00000425385	101060004	NR_109942	LINC01523
A_23_P90357	5,29378	4,51438	1,716416887	ENST00000375190	6915	NM_001060	TBXA2R
A_33_P3592015	9,86542	9,08613	1,716286021	ENST00000466976	22927	NM_014282	HABP4
A_22_P00019280	2,76512	1,98585	1,716262229	ENST00000412811	N/A	N/A	N/A
A_33_P3313110	3,90138	3,12237	1,715952955	ENST00000397910	94025	NM_024690	MUC16
A_23_P156788	6,06083	5,28184	1,715929167	ENST00000367568	8676	NM_003764	STX11
A_22_P00020525	2,16365	1,38475	1,715822125	N/A	N/A	N/A	Inc-STYX-1
A_23_P56140	10,1922	9,41345	1,715643737	ENST00000615564	1455	NM_001319	CSNK1G2
A_24_P269129	5,1407	4,36201	1,715572387	ENST00000518214	79683	NM_153746	ZDHHC14
A_23_P406591	3,67023	2,89155	1,715560495	ENST00000510805	441046	NR_003675	GUSBP5
A_33_P3391455	4,16146	3,38293	1,715382134	ENST00000451551	6331	NM_001160161	SCN5A
A_22_P00022161	8,32453	7,54612	1,715239459	N/A	101927631	NR_110007	ADNP-AS1

A_23_P169934	10,8106	10,0322	1,715227569	ENST00000376874	353116	NM_178314	RILPL1
A_33_P3324884	5,82911	5,05075	1,715180014	ENST00000456101	64780	NM_001286613	MICAL1
A_21_P0000394	8,88772	8,10946	1,715061131	ENST00000494697	692213	NR_003078	SNORD110
A_23_P416894	9,27706	8,49894	1,714894708	ENST00000482866	54103	NM_017439	GSAP
A_22_P00016772	2,13268	1,35466	1,714775845	N/A	N/A	BG214856	Inc-TRIM41-1
A_23_P164237	11,5962	10,8183	1,71463322	ENST00000484661	55813	NM_018428	UTP6
A_23_P87902	11,0471	10,2694	1,714395538	ENST00000541024	8798	NM_003845	DYRK4
A_33_P3325229	8,101	7,32352	1,714134125	ENST00000451781	389906	NR_034031	LOC389906
A_23_P214743	4,13484	3,35739	1,714098481	ENST00000262901	6492	NM_005068	SIM1
A_33_P3421490	6,51207	5,73465	1,714062838	ENST00000305428	23251	NM_015206	KIAA1024
A_24_P935782	7,48569	6,70832	1,714003434	ENST00000586602	7675	NM_001008727	ZNF121
A_33_P3219745	3,05782	2,2805	1,713944032	ENST00000368681	3608	N/A	ILF2
A_21_P0011921	4,34016	3,56298	1,713777718	N/A	N/A	N/A	XLOC_I2_008040
A_33_P3407256	7,77998	7,00291	1,713647054	ENST00000512024	9319	NM_001166260	TRIP13
A_21_P0010889	9,59917	8,8222	1,713528277	N/A	728190	NR_024397	NUTM2A-AS1
A_23_P72340	2,39545	1,6185	1,713504523	ENST00000367126	553	NM_000707	AVPR1B
A_33_P3308446	8,30302	7,52609	1,713480769	ENST00000272233	388	AK124398	RHOB
A_23_P431319	12,8659	12,089	1,713445138	ENST00000374643	286451	NM_173834	YIPF6
A_21_P0013663	2,32801	1,55127	1,713255122	N/A	N/A	N/A	XLOC_I2_015239
A_33_P3409635	4,83264	4,05599	1,713148247	N/A	N/A	AK021432	N/A
A_22_P00013999	2,35234	1,57573	1,713100749	ENST00000518416	N/A	DA771936	N/A
A_33_P3259092	5,09031	4,31373	1,713065126	ENST00000602526	2218	NM_001079802	FKTN
A_24_P212024	6,37949	5,60315	1,712780173	ENST00000453673	N/A	AY867113	N/A
A_33_P3334625	7,13462	6,35835	1,71269707	N/A	401045	AK123321	FLJ41327
A_33_P3702364	10,1497	9,37343	1,71269707	ENST00000513881	28966	NM_014035	SNX24
A_32_P761797	2,21405	1,43779	1,712685198	N/A	205251	NR_027063	LINC00116
A_21_P0005024	2,36701	1,59089	1,712519006	N/A	101929555	N/A	LOC101929555
A_21_P0008369	2,87306	2,09715	1,712269749	N/A	N/A	N/A	Inc-GPR65-1
A_33_P3417990	9,18673	8,41087	1,712210407	ENST00000432057	7444	NM_001288837	VRK2
A_33_P3356941	3,04358	2,26779	1,712127332	ENST00000478775	N/A	N/A	N/A
A_22_P00016606	2,83403	2,05829	1,712067995	ENST00000469937	730338	XR_242176	LOC730338
A_32_P196021	4,68651	3,91117	1,711593375	ENST00000614567	2252	N/A	FGF7
A_21_P0013835	2,73448	1,95917	1,711557784	N/A	N/A	N/A	XLOC_I2_015830

A_33_P3393091	6,31701	5,54177	1,711474741	N/A	N/A	DA197111	N/A
A_33_P3249773	7,44201	6,66685	1,711379839	ENST00000366973	128387	NM_001146171	TATDN3
A_22_P00012562	3,30675	2,53163	1,71133239	N/A	N/A	N/A	Inc-PTGS1-1
A_24_P30141	4,50204	3,72694	1,711308666	ENST00000359204	118924	NM_145246	FRA10AC1
A_21_P0004481	7,03296	6,25816	1,710952846	N/A	N/A	N/A	Inc-NKD2-3
A_23_P213441	8,8715	8,0968	1,710834256	ENST00000296792	84135	NM_032175	UTP15
A_24_P22488	10,0741	9,29961	1,710585244	ENST00000354866	8312	NM_003502	AXIN1
A_23_P138805	10,5375	9,76313	1,710442967	ENST00000533724	26973	NM_012124	CHORDC1
A_21_P0000004	10,6201	9,84601	1,710111035	ENST00000426004	90196	NM_001099791	SYS1
A_23_P83835	5,20484	4,43076	1,710099181	ENST00000614426	84197	NM_032237	POMK
A_22_P00005409	5,03457	4,26075	1,709791018	N/A	439933	NR_122079	LOC439933
A_24_P941336	11,3279	10,5542	1,709648807	ENST00000301364	55720	NM_018128	TSR1
A_23_P502747	8,0785	7,30484	1,709601406	ENST00000462775	9462	NM_170692	RASAL2
A_23_P167276	10,4886	9,71515	1,709352573	ENST00000515853	152559	NM_001040202	PAQR3
A_21_P0007087	2,18602	1,41258	1,709340725	N/A	N/A	N/A	Inc-C10orf137-1
A_23_P143958	15,5129	14,7396	1,709174858	ENST00000494771	200916	NM_001099645	RPL22L1
A_22_P00009215	4,94549	4,17228	1,709068237	N/A	100506779	NR_038410	BZRAP1-AS1
A_33_P3393843	8,94825	8,17505	1,709056391	ENST00000498819	79048	NM_001282690	SECISBP2
A_19_P00316933	4,94899	4,17583	1,709009006	ENST00000519241	N/A	N/A	N/A
A_23_P149476	8,98964	8,2167	1,708748415	ENST00000447569	84288	NM_032328	EFCAB2
A_24_P687582	6,51264	5,7399	1,708511549	ENST00000310074	93624	NM_152293	TADA2B
A_33_P3209433	10,6709	9,89829	1,708357603	ENST00000531484	5970	NM_021975	RELA
A_32_P120043	2,26332	1,49073	1,708333921	ENST00000368599	254228	NM_153711	FAM26E
A_21_P0004827	4,18639	3,414	1,708097112	N/A	N/A	N/A	Inc-LY86-2
A_21_P0003965	2,18715	1,4148	1,708049754	ENST00000511758	N/A	N/A	N/A
A_22_P00000261	5,71356	4,94144	1,707777472	ENST00000429172	285141	NM_001290031	ERICH2
A_23_P35256	9,89206	9,11997	1,70774196	ENST00000334163	N/A	XM_005272927	N/A
A_24_P211797	3,08865	2,31666	1,707623592	ENST00000411681	130026	NM_001288624	ICA1L
A_19_P00319476	5,08194	4,30996	1,707611756	N/A	N/A	N/A	Inc-LTBP3-2
A_23_P112846	4,52502	3,7531	1,70754074	ENST00000492183	441024	NM_001144978	MTHFD2L
A_33_P3385436	5,07128	4,29955	1,707315875	ENST00000311450	153770	NM_001029869	PLAC8L1
A_22_P00018080	2,81212	2,04058	1,70709104	N/A	N/A	N/A	Inc-ZNF362-1
A_23_P130906	4,58636	3,81482	1,70709104	ENST00000598265	83639	NM_031451	TEX101

A_32_P339640	9,594	8,82259	1,706937222	ENST00000313426	284756	NM_173644	C20orf197
A_23_P144896	12,1878	11,4164	1,706925391	ENST00000486828	9260	NM_005451	PDLIM7
A_32_P213831	9,56647	8,79511	1,706878065	ENST00000435494	57464	NM_020704	STRIP2
A_21_P0006969	9,65691	8,88555	1,706878065	ENST00000434919	207107	N/A	SFTA1P
A_23_P38959	2,72344	1,95215	1,706795249	ENST00000602142	7409	NM_005428	VAV1
A_22_P00007174	3,45478	2,6835	1,706783419	N/A	101929440	XR_243332	LOC101929440
A_22_P00025128	2,39085	1,61993	1,706357573	N/A	N/A	BF727457	Inc-RP11-324D17.1.1-3
A_22_P00023752	2,16121	1,39033	1,706310263	N/A	283165	NR_040078	KIRREL3-AS3
A_24_P245815	5,90471	5,13388	1,706251128	ENST00000215906	57168	NM_020437	ASPHD2
A_33_P3414157	5,42393	4,65316	1,706180169	ENST00000264605	79083	NM_024101	MLPH
A_33_P3315729	2,16008	1,38957	1,705872712	ENST00000435416	84911	NM_032825	ZNF382
A_24_P415680	2,3726	1,60214	1,705813592	ENST00000557284	51086	NM_015978	TNNI3K
A_32_P112623	9,04749	8,27715	1,705671712	ENST00000418795	100289124	NR_103714	FAM27E2
A_33_P3360530	4,17061	3,40031	1,705624421	ENST00000413322	N/A	N/A	N/A
A_21_P0013819	5,54007	4,76985	1,705529844	N/A	N/A	N/A	XLOC_I2_015760
A_33_P3343316	5,56805	4,79816	1,705139768	ENST00000369838	83699	NM_031469	SH3BGR2
A_21_P0008453	2,91298	2,14312	1,705104311	ENST00000556646	N/A	N/A	N/A
A_32_P201773	11,0767	10,3069	1,705033399	ENST00000262844	9949	NM_015365	AMMECR1
A_22_P00015026	2,52231	1,75251	1,705033399	ENST00000574133	N/A	N/A	N/A
A_23_P140848	10,2349	9,4652	1,70491522	ENST00000258169	10200	NM_005792	MPHOSPH6
A_24_P152635	12,3813	11,6116	1,70491522	ENST00000529403	51075	NM_015959	TMX2
A_22_P00008670	2,22885	1,45956	1,704430768	ENST00000536786	N/A	AA459240	N/A
A_33_P6653333	4,03289	3,26376	1,704241751	ENST00000486344	51246	AK301191	SHISA5
A_33_P3383994	4,49282	3,72373	1,7041945	ENST00000366653	440730	NM_001004342	TRIM67
A_21_P0012857	3,38368	2,61472	1,704040943	N/A	N/A	N/A	XLOC_I2_011798
A_33_P3224891	5,12913	4,3602	1,704005509	N/A	729275	AK129559	LOC729275
A_33_P3272563	5,27543	4,50652	1,703981887	N/A	9397	NM_004808	NMT2
A_23_P360626	9,36899	8,60029	1,703733872	ENST00000321560	201164	NM_178836	PLD6
A_23_P122662	13,4745	12,7058	1,703733872	ENST00000612338	54438	NM_018988	GFOD1
A_19_P00329564	7,28734	6,51885	1,703485893	N/A	100499177	NR_034075	THAP9-AS1
A_23_P93389	9,41845	8,65027	1,703119895	ENST00000607016	11165	NM_006703	NUDT3
A_33_P3233105	6,53092	5,76325	1,702517939	ENST00000366809	4301	NM_001207008	MLLT4
A_23_P62133	7,7384	6,97074	1,702506139	ENST00000306167	4534	NM_000252	MTM1

A_22_P00019575	3,14606	2,37841	1,702494338	ENST00000522213	N/A	N/A	N/A
A_33_P3354713	3,55557	2,78803	1,702364534	ENST00000394790	170384	NM_001284194	FUT11
A_33_P3888568	3,49158	2,72417	1,702211142	N/A	100124537	BQ029156	SNORA70B
A_22_P00010820	2,40135	1,63399	1,702152149	N/A	N/A	BC040181	Inc-NMS-2
A_23_P68511	4,52298	3,75572	1,702034169	ENST00000381922	51378	NM_015985	ANGPT4
A_21_P0007528	3,03343	2,2663	1,701880807	N/A	N/A	N/A	Inc-DERA-1
A_33_P3546161	5,10411	4,33704	1,701810029	N/A	N/A	BF742660	N/A
A_24_P246293	3,4348	2,66773	1,701810029	ENST00000260257	91893	NM_138378	FDXACB1
A_21_P0012031	2,53163	1,76456	1,701810029	ENST00000416350	N/A	N/A	N/A
A_22_P00023943	4,82806	4,0611	1,701680278	N/A	100874002	NR_046635	OXCT1-AS1
A_21_P0010999	3,83707	3,07011	1,701680278	N/A	N/A	N/A	XLOC_I2_002477
A_23_P144490	5,00409	4,23718	1,701621303	ENST00000623607	54798	NM_017639	DCHS2
A_22_P00023425	5,91308	5,14637	1,701385425	N/A	N/A	N/A	Inc-SCN8A-2
A_24_P87036	12,0756	11,3091	1,701137787	ENST00000530676	55107	NM_018043	ANO1
A_21_P0007611	2,92672	2,16028	1,701067041	N/A	N/A	N/A	Inc-ELK3-1
A_22_P00000616	2,31956	1,55315	1,701031668	N/A	N/A	N/A	Inc-ACOT9-1
A_23_P146050	13,1645	12,3981	1,701019878	ENST00000519338	79752	NM_024699	ZFAND1
A_23_P41455	4,45481	3,68846	1,700960926	ENST00000379645	7222	NM_003305	TRPC3
A_23_P92727	12,4622	11,696	1,700784083	ENST00000428746	26064	NM_015577	RAI14
A_33_P3321303	3,84054	3,07435	1,700772294	ENST00000368192	2117	NM_001145312	ETV3
A_23_P97096	3,07811	2,31215	1,700501172	ENST00000448911	26254	NM_014359	OPTC
A_21_P0007620	2,20815	1,4422	1,700489385	N/A	N/A	N/A	Inc-TXNRD1-1
A_23_P145569	5,10466	4,33875	1,700442238	ENST00000539263	6580	NM_153187	SLC22A1
A_33_P3290830	3,81108	3,0452	1,700406878	ENST00000594133	149992	NR_026916	ANKRD30BP2
A_22_P00005110	3,58715	2,82131	1,700359734	N/A	N/A	AF150135	Inc-DHRS7B-1
A_22_P00022807	3,64023	2,87441	1,700336162	N/A	N/A	N/A	Inc-CPXM2-2
A_33_P3385006	5,11359	4,3478	1,700300805	ENST00000447080	283375	NM_001135195	SLC39A5
A_33_P3380807	3,14121	2,37551	1,700194738	ENST00000360658	54106	NM_017442	TLR9
A_33_P3361741	10,3825	9,61681	1,700182953	ENST00000379221	29103	NM_013238	DNAJC15
A_23_P9458	9,5937	8,82801	1,700182953	ENST00000442009	64425	NM_022490	POLR1E
A_22_P00023802	4,51977	3,75418	1,700065109	N/A	N/A	N/A	Inc-SMYD3-3
A_33_P3264163	5,6217	4,85611	1,700065109	ENST00000400407	780	NM_001202522	DDR1
A_22_P00000681	2,6895	1,92397	1,699994407	ENST00000500929	101928725	XR_243159	LOC101928725

A_33_P3244096	3,91306	3,14769	1,699805882	ENST00000378154	8573	N/A	CASK
A_23_P132874	14,2376	13,4723	1,699723409	ENST00000421999	84319	NM_032359	CMSS1
A_23_P401709	7,05497	6,28971	1,699676283	ENST00000445603	149840	XM_006723549	C20orf196
A_33_P3424132	3,73733	2,97226	1,699452454	ENST00000443779	158376	NR_024283	LINC00961
A_22_P00021051	4,05518	3,29035	1,699169765	ENST00000521601	1807	N/A	DPYS
A_33_P3242099	9,79061	9,02602	1,698887122	ENST00000413307	23271	NM_001297707	CAMSAP2
A_22_P00005896	2,82692	2,06236	1,698851795	ENST00000534841	101928441	NR_120471	LOC101928441
A_21_P0013260	3,18448	2,41993	1,69884002	N/A	N/A	N/A	XLOC_I2_013547
A_33_P3419733	10,1635	9,39902	1,698757594	ENST00000360864	80331	NM_025219	DNAJC5
A_21_P0005439	3,42944	2,66496	1,698757594	N/A	N/A	N/A	Inc-ARHGEF5-1
A_33_P3246283	5,01531	4,25084	1,698745819	ENST00000571759	55697	XM_005256038	VAC14
A_24_P376322	6,41354	5,64915	1,698651623	ENST00000586118	4152	NM_015845	MBD1
A_33_P3246528	3,70914	2,94493	1,698439701	ENST00000315396	93233	NM_144577	CCDC114
A_22_P00024101	2,3552	1,59135	1,698015937	N/A	N/A	N/A	Inc-PHOX2B-1
A_23_P306987	12,433	11,6692	1,69795709	ENST00000304501	83595	NM_031439	SOX7
A_32_P208403	2,9053	2,14158	1,697862938	ENST00000335281	54331	NM_053064	GNG2
A_33_P3397520	5,45604	4,69236	1,697815864	ENST00000400365	386685	NM_198699	KRTAP10-12
A_33_P3415653	2,88375	2,12028	1,697568746	N/A	100128668	AK128046	LOC100128668
A_32_P201496	8,57548	7,81209	1,697474615	ENST00000442616	171568	NM_001018052	POLR3H
A_19_P00808586	2,37172	1,60839	1,697404021	ENST00000502759	152742	NR_033931	LINC01085
A_21_P0003825	2,82677	2,06344	1,697404021	N/A	N/A	N/A	Inc-CRIPAK-1
A_33_P3304527	7,39297	6,63015	1,696804086	ENST00000371744	57169	NM_021035	ZNFX1
A_33_P3261097	3,52504	2,76256	1,696404247	N/A	N/A	N/A	N/A
A_22_P00023133	3,83548	3,07304	1,696357213	N/A	N/A	N/A	Inc-C11orf55-1
A_21_P0000741	3,77772	3,01531	1,696321939	N/A	100507098	NR_038264	ADAMTS9-AS2
A_33_P3356731	6,62204	5,85968	1,69626315	ENST00000355451	23386	NM_015332	NUDCD3
A_33_P3290577	2,21533	1,45305	1,696169092	ENST00000395001	84689	NM_001261828	MS4A14
A_21_P0013772	6,565	5,80274	1,696145578	ENST00000453317	554203	N/A	JPX
A_23_P120316	13,1701	12,4079	1,696075039	ENST00000394053	10797	NM_006636	MTHFD2
A_33_P3379571	7,79004	7,02792	1,695980991	ENST00000555993	4293	NM_033141	MAP3K9
A_22_P00016415	7,98327	7,22128	1,695828175	ENST00000307921	23536	NM_012091	ADAT1
A_21_P0000944	4,02842	3,2665	1,695745895	ENST00000420522	N/A	N/A	N/A
A_23_P123071	14,8552	14,0933	1,695722387	ENST00000498493	858	NM_001233	CAV2

A_23_P165333	8,37652	7,61501	1,695264048	ENST00000462958	274	NM_139346	BIN1
A_21_P0006227	3,22342	2,46221	1,694911565	N/A	N/A	N/A	Inc-STXBP1-2
A_33_P3845673	2,38945	1,62825	1,694899817	N/A	729860	AK123661	LOC729860
A_33_P3322519	2,9926	2,2314	1,694899817	ENST00000426955	90113	NM_138345	VWA5B2
A_33_P3369969	10,921	10,1599	1,694782339	ENST00000427980	342371	NM_001137675	ATXN1L
A_33_P3291831	9,93085	9,16976	1,694770592	ENST00000496302	55165	NM_018131	CEP55
A_22_P00023270	2,16903	1,40838	1,694253791	ENST00000518428	N/A	BX098909	N/A
A_23_P108751	14,2242	13,4637	1,694077646	ENST00000358129	2274	NM_001039492	FHL2
A_24_P933492	9,11449	8,35412	1,693925001	ENST00000497966	340481	NM_178566	ZDHHC21
A_24_P294832	11,3153	10,555	1,693842813	ENST00000370651	7803	NM_003463	PTP4A1
A_23_P138574	7,31182	6,55162	1,693725409	ENST00000423243	11101	NM_001001976	ATE1
A_24_P194886	10,9005	10,1403	1,693725409	ENST00000405482	23301	NM_015252	EHBP1
A_22_P00004017	8,71772	7,95765	1,693572795	N/A	389641	NR_033928	LOC389641
A_21_P0003817	2,3763	1,61637	1,693408458	N/A	N/A	N/A	Inc-SORBS2-1
A_32_P496893	2,55867	1,7988	1,693338033	ENST00000305273	196913	NM_001014830	C14orf183
A_21_P0000156	3,54674	2,78697	1,693220663	ENST00000513213	7092	NM_001204760	TLL1
A_23_P215484	5,92	5,16031	1,693126774	ENST00000394905	10344	NM_006072	CCL26
A_23_P98532	13,3228	12,5632	1,693021155	ENST00000529480	25921	NM_015457	ZDHHC5
A_22_P00007864	2,14614	1,38664	1,692903807	N/A	N/A	BC042957	Inc-HS3ST3A1-1
A_21_P0009526	4,90724	4,14778	1,692856871	N/A	N/A	N/A	Inc-PIEZO2-4
A_24_P288424	12,9983	12,239	1,692669137	ENST00000355937	51012	NM_016045	SLMO2
A_33_P3224285	2,83449	2,07523	1,692622207	N/A	N/A	N/A	N/A
A_22_P00008392	4,99572	4,23668	1,692364115	N/A	N/A	N/A	Inc-JMJD7-PLA2G4B-2
A_23_P37424	10,9882	10,2294	1,692082604	ENST00000531970	79029	NM_024063	SPATA5L1
A_21_P0007008	2,46564	1,70687	1,692047419	N/A	N/A	N/A	Inc-WAPAL-1
A_33_P3280418	11,2122	10,4535	1,691965322	ENST00000503990	389538	NR_002822	MGC72080
A_21_P0005897	2,97212	2,21353	1,691836321	N/A	N/A	N/A	Inc-RP11-973F15.1.1-2
A_32_P87568	6,6606	5,90203	1,691812868	ENST00000366844	55740	NM_001008493	ENAH
A_23_P12874	12,7601	12,0019	1,691379033	ENST00000360803	23560	NM_012341	GTPBP4
A_23_P166122	9,56074	8,80259	1,691320416	ENST00000377603	10621	NM_006466	POLR3F
A_22_P00013618	7,58007	6,82201	1,691214909	N/A	N/A	N/A	Inc-RP11-582J16.5.1-3
A_33_P3317103	3,29817	2,54013	1,691191464	ENST00000338306	550631	NM_001017437	CCDC157
A_33_P3228366	9,38008	8,62225	1,69094531	ENST00000486936	57510	NM_020750	XPO5



A_23_P168490	9,30319	8,54537	1,69093359	ENST00000311350	64224	NM_022373	HERPUD2
A_23_P6381	6,99632	6,23861	1,690804667	ENST00000302326	4330	NM_002430	MN1
A_33_P3324781	5,52957	4,77189	1,690769508	N/A	N/A	N/A	N/A
A_21_P0010671	4,27955	3,52188	1,690757789	N/A	643723	NR_038845	LYPLAL1-AS1
A_33_P3368495	14,0002	13,2427	1,69055857	N/A	N/A	AK057067	N/A
A_23_P80773	12,2944	11,5369	1,69055857	ENST00000466490	58477	NM_021203	SRPRB
A_33_P3397336	3,4762	2,71886	1,690371092	ENST00000396893	92283	NM_153257	ZNF461
A_22_P00016809	3,87534	3,11809	1,690265644	N/A	N/A	N/A	Inc-TRIML2-1
A_33_P3213311	2,20007	1,44296	1,690101628	N/A	N/A	N/A	N/A
A_23_P333705	8,78618	8,02914	1,690019625	ENST00000617054	4752	NM_002498	NEK3
A_33_P3215028	10,6759	9,91892	1,689949341	ENST00000359359	221477	NM_152734	C6orf89
A_33_P3366877	3,24904	2,49247	1,689469142	N/A	9860	BC017961	LRIG2
A_21_P0007372	4,97918	4,22262	1,689457431	N/A	N/A	N/A	Inc-FCHSD2-3
A_23_P258964	14,583	13,8266	1,689270075	ENST00000443024	3376	NM_013417	IARS
A_22_P00005327	3,11748	2,36116	1,689176405	N/A	N/A	N/A	Inc-DOCK4-2
A_23_P77859	8,24194	7,48569	1,689094447	ENST00000301599	92162	NM_203411	TMEM88
A_23_P423108	2,21659	1,46041	1,689012494	ENST00000368482	126668	NM_182499	TDRD10
A_23_P300033	6,68238	5,92642	1,688754952	ENST00000257290	5156	NM_006206	PDGFRA
A_33_P3328154	5,1723	4,41636	1,688731541	N/A	84503	BC014325	ZNF527
A_33_P3308749	2,47309	1,71725	1,688614491	ENST00000519932	3910	NM_001105207	LAMA4
A_24_P281636	4,60024	3,84441	1,688602787	ENST00000531233	N/A	AY010113	N/A
A_22_P00010367	5,09995	4,34441	1,68826339	ENST00000562341	N/A	AK091141	N/A
A_23_P316239	12,9716	12,2162	1,688099568	ENST00000393985	541578	NM_001013845	CXorf40B
A_23_P203191	2,42219	1,66681	1,688076166	ENST00000236850	335	NM_000039	APOA1
A_33_P3238171	7,6105	6,85514	1,688052765	ENST00000334554	29801	NM_013373	ZDHC8
A_33_P3262635	3,60392	2,84873	1,687853865	ENST00000262607	51816	NM_001282225	CECR1
A_23_P253723	5,91104	5,156	1,687678384	ENST00000317735	10692	NM_006583	RRH
A_22_P00016557	6,26179	5,50681	1,687608197	N/A	N/A	BE785809	Inc-TNFRSF10B-1
A_32_P78101	3,55468	2,79981	1,687479528	ENST00000251296	84966	NM_032880	IGSF21
A_33_P3271246	4,44389	3,68908	1,687409349	ENST00000464488	100288842	N/A	LOC100288842
A_23_P102694	4,08235	3,32756	1,687385957	ENST00000246105	140881	NM_080831	DEFB129
A_23_P137423	9,17977	8,42504	1,687315782	ENST00000614243	93185	NM_052868	IGSF8
A_21_P0010839	3,78068	3,02599	1,687269	N/A	N/A	N/A	XLOC_I2_001683

A_22_P00009496	4,23301	3,47833	1,687257305	N/A	N/A	N/A	Inc-MAGOH-1
A_22_P00006487	6,31039	5,55571	1,687257305	N/A	100506674	NR_109865	LOC100506674
A_33_P3298617	6,67441	5,91977	1,687210525	N/A	N/A	N/A	XLOC_I2_006578
A_23_P43034	10,9661	10,2116	1,687046805	ENST00000519261	55140	NM_018091	ELP3
A_22_P00007051	2,39199	1,63754	1,686988337	N/A	N/A	N/A	Inc-GK-5
A_22_P00021789	2,3684	1,61406	1,686859716	ENST00000470532	100506489	XR_108799	LOC100506489
A_21_P0007464	6,44555	5,69141	1,686625884	ENST00000625158	N/A	N/A	N/A
A_33_P3221613	2,82463	2,07061	1,6864856	N/A	N/A	N/A	Inc-DLX2-4
A_21_P0010489	7,47287	6,71895	1,686368706	ENST00000412621	100289635	NM_183238	ZNF605
A_21_P0003663	3,8611	3,10722	1,68632195	N/A	N/A	N/A	Inc-POU4F2-1
A_33_P3300308	11,7589	11,0052	1,686111567	ENST00000397709	84557	NM_032514	MAP1LC3A
A_33_P3387781	3,58081	2,82725	1,685947954	ENST00000422727	26247	NR_002145	OR2L1P
A_23_P368718	6,11751	5,36402	1,685866153	ENST00000613924	57213	AF334405	SPRYD7
A_22_P00000848	5,5633	4,80981	1,685866153	N/A	728723	NR_024398	ZBED3-AS1
A_33_P3215363	3,66022	2,90675	1,685842782	N/A	N/A	N/A	N/A
A_23_P33558	3,36935	2,61612	1,685562356	N/A	729164	XR_109936	LOC729164
A_33_P3377380	6,50681	5,75378	1,685328704	N/A	N/A	AK093659	Inc-PABPC4-2
A_33_P3363500	6,09069	5,33771	1,685270296	N/A	N/A	N/A	N/A
A_23_P50697	3,59808	2,84522	1,685130125	ENST00000312439	5669	NM_006905	PSG1
A_21_P0009584	2,80462	2,05186	1,685013325	N/A	N/A	N/A	Inc-ZNF516-8
A_21_P0006672	5,15877	4,40608	1,684931569	N/A	N/A	N/A	Inc-ZNF37A-3
A_33_P3369667	6,12596	5,37331	1,684884854	N/A	N/A	N/A	N/A
A_22_P00024125	3,40359	2,65109	1,684709682	N/A	N/A	N/A	Inc-HHIPL1-2
A_22_P00020647	3,75769	3,00524	1,684651295	ENST00000539078	N/A	XR_424426	N/A
A_22_P00006808	4,77915	4,02672	1,684627941	N/A	N/A	BX107972	Inc-GABPA-3
A_33_P3337599	9,16236	8,41021	1,684301018	ENST00000338368	5591	NM_006904	PRKDC
A_33_P3209030	7,03733	6,28523	1,684242646	ENST00000458270	9831	NM_001082480	ZNF623
A_33_P3283906	11,6798	10,9278	1,684125907	ENST00000254941	51388	NM_016101	NIP7
A_33_P3243997	9,69407	8,94215	1,684032522	ENST00000404125	23198	NM_014614	PSME4
A_33_P3278265	9,39457	8,64274	1,68392747	ENST00000240651	79912	NM_024854	PYROXD1
A_23_P428849	11,0208	10,269	1,683892454	ENST00000396914	131474	NM_144636	CHCHD4
A_33_P3279276	3,71467	2,9629	1,683857439	ENST00000430219	80852	NM_001080423	GRIP2
A_21_P0003790	2,37536	1,62376	1,683659033	N/A	N/A	N/A	Inc-FSTL5-2

A_33_P3342563	11,274	10,5224	1,683659033	ENST00000262483	83394	NM_031220	PITPNM3
A_22_P00013247	4,24063	3,48917	1,683495658	N/A	N/A	N/A	Inc-ROM1-1
A_23_P259413	12,6913	11,9399	1,683425645	ENST00000431519	55573	NM_017548	CDV3
A_23_P154488	12,0121	11,2608	1,683308962	ENST00000415374	87178	NM_033109	PNPT1
A_33_P3254320	14,6421	13,8908	1,683308962	ENST00000245908	10045	NM_005490	SH2D3A
A_23_P325438	10,5698	9,81851	1,683297295	ENST00000304658	23214	NM_015171	XPO6
A_33_P3240497	5,53606	4,78486	1,683192288	N/A	N/A	AK095730	N/A
A_33_P3371999	7,48216	6,73124	1,682865644	ENST00000360578	11076	NM_007030	TPPP
A_21_P0002140	2,68928	1,93837	1,682853979	N/A	N/A	N/A	Inc-OBSL1-1
A_23_P57137	10,8335	10,0826	1,682842315	ENST00000379573	55317	NM_018347	AP5S1
A_33_P3215744	2,6611	1,91026	1,682772329	ENST00000506884	25859	NR_028508	PART1
A_23_P256603	5,55931	4,80865	1,682562388	ENST00000366809	4301	NM_001207008	MLLT4
A_33_P3264593	4,56602	3,81546	1,682445766	ENST00000247452	51438	NM_016249	MAGEC2
A_22_P00014149	2,45705	1,70671	1,682189225	ENST00000577329	N/A	XM_005257566	N/A
A_21_P0003162	4,14868	3,39839	1,682130926	N/A	N/A	N/A	Inc-RABL3-1
A_23_P134935	11,8441	11,0942	1,681676262	ENST00000240100	1846	NM_001394	DUSP4
A_21_P0001638	2,26354	1,51367	1,681641292	N/A	N/A	N/A	Inc-RP5-915N17.9.1-1
A_32_P32391	9,55665	8,80719	1,681163454	ENST00000400311	283491	NR_002171	OR7E156P
A_23_P357248	6,08941	5,34003	1,681070233	ENST00000421216	79175	NM_024325	ZNF343
A_23_P331479	12,6906	11,9413	1,680977017	ENST00000615527	170954	NM_133471	PPP1R18
A_22_P00009274	6,21531	5,46605	1,680930412	N/A	N/A	BF592769	Inc-LRRC14-1
A_23_P143902	2,23612	1,48696	1,680813902	ENST00000302632	64805	NM_022788	P2RY12
A_23_P145584	11,4168	10,6677	1,680744001	ENST00000355621	7328	NM_003344	UBE2H
A_24_P153820	4,24393	3,49485	1,680720701	ENST00000288168	N/A	BC028351	N/A
A_24_P243396	8,51113	7,76228	1,680452775	ENST00000394269	6949	NM_001008657	TCOF1
A_23_P203972	2,33005	1,58124	1,680406184	ENST00000229030	11211	NM_007197	FZD10
A_33_P3289248	2,19596	1,44718	1,680371241	N/A	N/A	KJ487098	N/A
A_21_P0014354	2,31245	1,5638	1,680219831	N/A	101928045	XR_243745	LOC101928045
A_23_P16354	3,04684	2,29822	1,680184892	ENST00000435416	84911	NM_032825	ZNF382
A_23_P117298	3,47774	2,72915	1,680149954	ENST00000346342	2155	NM_000131	F7
A_21_P0000491	9,21651	8,46801	1,680045144	N/A	100126780	NR_004383	SNAR-G1
A_33_P3337831	4,33254	3,5841	1,679975275	ENST00000366579	55127	BC062442	HEATR1
A_23_P169629	15,073	14,3246	1,679928696	ENST00000554467	6472	NM_005412	SHMT2

A_32_P21255	7,48443	6,73609	1,679858832	ENST00000261867	7782	NM_013309	SLC30A4
A_32_P1173	10,1873	9,43908	1,679719111	ENST00000370318	115004	NM_138441	MB21D1
A_33_P3348747	12,9542	12,206	1,679695825	ENST00000257189	1830	NM_001944	DSG3
A_21_P0013350	4,17744	3,42928	1,679649255	N/A	N/A	N/A	XLOC_I2_014011
A_23_P96395	2,9694	2,22189	1,678892666	ENST00000362002	142689	NM_130388	ASB12
A_21_P0008773	3,33468	2,5872	1,678857755	N/A	N/A	N/A	Inc-NTRK3-2
A_21_P0012907	4,66113	3,91371	1,678787935	N/A	N/A	N/A	XLOC_I2_012035
A_21_P0009214	2,13523	1,38784	1,678753026	N/A	N/A	N/A	Inc-WSCD1-1
A_22_P00025675	3,67779	2,9304	1,678753026	N/A	N/A	N/A	Inc-VCL-1
A_33_P3310929	2,59057	1,84326	1,678659939	ENST00000368679	8038	NM_003474	ADAM12
A_22_P00021167	6,26813	5,5209	1,678566856	ENST00000541888	N/A	XR_111249	N/A
A_33_P3349827	11,0519	10,3048	1,678415609	ENST00000490127	5935	NM_006743	RBM3
A_23_P154086	11,6572	10,9102	1,678299274	ENST00000439945	617	NM_004328	BCS1L
A_22_P00015662	7,43326	6,68644	1,678089892	N/A	283104	NR_036485	SBF2-AS1
A_21_P0000987	2,14058	1,39377	1,67807826	ENST00000411903	101927295	NR_110677	LINC01360
A_33_P3345309	3,00265	2,25593	1,677973579	ENST00000449534	646960	N/A	PRSS56
A_23_P58328	13,88	13,1333	1,677950318	ENST00000617524	11199	NM_007193	ANXA10
A_21_P0001226	2,22511	1,47857	1,677764238	ENST00000412445	N/A	N/A	N/A
A_24_P31003	8,39307	7,64665	1,677624691	ENST00000248114	2671	NM_005262	GFER
A_33_P3306818	2,76911	2,0227	1,677613063	N/A	100130872	AK091779	LOC100130872
A_21_P0007184	2,35696	1,61057	1,677589806	N/A	N/A	N/A	Inc-NAV2-1
A_33_P3370615	4,62395	3,87764	1,677496783	N/A	N/A	N/A	N/A
A_23_P326009	3,17385	2,42758	1,677450274	ENST00000308031	57573	NM_020813	ZNF471
A_33_P3263906	5,86707	5,12082	1,67742702	ENST00000368657	51175	N/A	TUBE1
A_23_P85703	10,6941	9,9479	1,677368885	ENST00000618875	9580	NM_005686	SOX13
A_33_P3317979	4,89685	4,15066	1,677357259	ENST00000285039	4645	NM_001080467	MYO5B
A_22_P00007364	3,49485	2,74882	1,677171244	ENST00000437795	100874055	NR_047499	LINC00570
A_22_P00020240	3,9323	3,1864	1,677020123	N/A	N/A	DA498238	Inc-TRPT1-2
A_21_P0000629	11,5038	10,7584	1,676439012	N/A	6301	NR_034072	SARS
A_21_P0002150	4,06072	3,31535	1,676404152	ENST00000446593	N/A	N/A	N/A
A_23_P76918	13,7843	13,039	1,676322815	ENST00000555593	26520	NM_012460	TIMM9
A_23_P58132	2,50317	1,75791	1,676276338	ENST00000610353	399	NM_004310	RHOH
A_23_P9152	11,9822	11,237	1,676206625	ENST00000381750	10171	NM_005772	RCL1

A_23_P252536	14,1807	13,4356	1,676090443	ENST00000380325	64949	NM_030811	MRPS26
A_33_P3245734	4,68762	3,94253	1,676078825	N/A	340252	NM_001130022	ZNF680
A_23_P119634	2,23716	1,49222	1,675904569	ENST00000379013	11045	NM_007000	UPK1A
A_22_P00022160	5,66069	4,91579	1,675858104	N/A	N/A	N/A	Inc-TXLNB-3
A_22_P00009942	2,93145	2,18657	1,675834872	N/A	N/A	BI464056	Inc-MIER3-1
A_22_P00000775	4,23284	3,48807	1,6757071	N/A	N/A	N/A	Inc-ADD3-1
A_23_P37068	8,16442	7,41966	1,675695485	ENST00000351691	7187	NM_145725	TRAF3
A_33_P3309656	3,30245	2,55771	1,675672255	N/A	N/A	N/A	N/A
A_32_P117812	4,81808	4,07336	1,675649026	ENST00000496108	145748	BX640928	LYSMD4
A_22_P00011843	10,446	9,70128	1,675649026	ENST00000367311	23612	BC033874	PHLDA3
A_33_P3385361	14,8828	14,1381	1,675625797	ENST00000474485	51406	NM_016167	NOL7
A_21_P0011752	5,12728	4,38289	1,675265784	ENST00000606252	N/A	N/A	N/A
A_23_P169017	3,91062	3,16636	1,675114834	ENST00000314357	55894	NM_018661	DEFB103B
A_19_P00322236	5,70517	4,96093	1,675091612	ENST00000476312	7678	NM_001243740	ZNF124
A_23_P433188	8,76441	8,02019	1,675068391	ENST00000377051	64412	NM_022482	GZF1
A_21_P0010650	3,56298	2,81881	1,675010338	N/A	102723382	N/A	LOC102723382
A_22_P00016115	2,26765	1,52353	1,674952288	N/A	100288831	NR_103443	SRGAP3-AS3
A_21_P0011698	3,2828	2,53869	1,674940678	N/A	N/A	N/A	XLOC_I2_006718
A_33_P3243907	14,9836	14,2395	1,674929068	ENST00000433655	1509	NM_001909	CTSD
A_33_P3290179	10,5246	9,7805	1,674929068	ENST00000323699	8560	NM_003676	DEGS1
A_21_P0014658	3,8196	3,07561	1,674801366	ENST00000446964	N/A	N/A	N/A
A_23_P22647	8,42588	7,68202	1,674650458	ENST00000252338	27112	NM_015686	FAM155B
A_33_P3312658	5,54307	4,79934	1,674499564	N/A	N/A	N/A	N/A
A_33_P3407549	5,37801	4,63429	1,674487957	N/A	134548	NM_175873	SOWAHA
A_23_P5163	9,97897	9,23534	1,6743835	ENST00000357324	57130	NM_020410	ATP13A1
A_23_P11372	12,7989	12,0554	1,67423263	ENST00000298556	3251	NM_000194	HPRT1
A_33_P3364508	9,10678	8,36335	1,674151397	ENST00000448720	55262	AK054872	C7orf43
A_33_P3261074	2,59906	1,85571	1,674058565	N/A	N/A	N/A	N/A
A_23_P416608	11,7677	11,0244	1,674000548	ENST00000371335	3920	NM_013995	LAMP2
A_21_P0012883	2,7388	1,99552	1,673977341	N/A	N/A	N/A	XLOC_I2_011911
A_23_P202810	11,097	10,3538	1,673884519	ENST00000335987	5017	NM_004561	OVOL1
A_33_P3329898	4,17345	3,43032	1,673803304	ENST00000564158	57519	N/A	STARD9
A_24_P124973	7,84101	7,09797	1,67369889	ENST00000332303	56160	NM_138704	NDNL2

A_33_P3382565	4,60919	3,86627	1,673559681	ENST00000407071	55083	NM_018012	KIF26B
A_21_P0002235	2,3308	1,58805	1,673362489	N/A	N/A	N/A	Inc-ETAA1-2
A_21_P0009933	7,41367	6,67097	1,673304495	N/A	N/A	N/A	Inc-C20orf187-2
A_19_P00316778	4,34361	3,60092	1,673292897	N/A	N/A	N/A	Inc-SLC35F5-4
A_33_P3775007	10,3675	9,62489	1,673200112	ENST00000518721	50807	NM_001247996	ASAP1
A_33_P3256987	2,54112	1,79886	1,672794241	N/A	7697	AL834121	ZNF138
A_24_P254506	2,19366	1,45144	1,672747862	ENST00000474146	9506	NM_007003	PAGE4
A_23_P214565	3,95804	3,21584	1,672724673	ENST00000383549	116511	NM_052967	MAS1L
A_22_P00023442	2,63296	1,89083	1,672643513	ENST00000607823	N/A	N/A	N/A
A_23_P29124	3,7686	3,02652	1,672585545	ENST00000366425	2812	NM_000407	GP1BB
A_22_P00009005	4,49954	3,75749	1,672550765	ENST00000505133	100507487	N/A	LOC100507487
A_22_P00016935	4,08125	3,33926	1,672481207	ENST00000498745	340348	NM_178562	TSPAN33
A_21_P0006891	2,22966	1,4877	1,672446429	N/A	N/A	N/A	Inc-KIF20B-1
A_23_P134204	2,82397	2,08202	1,672434837	ENST00000484425	84691	NM_032599	FAM71F1
A_21_P0014394	5,25527	4,51334	1,672411652	N/A	N/A	N/A	N/A
A_24_P263672	12,1891	11,4475	1,672029151	ENST00000554269	9790	NM_014753	BMS1
A_23_P393749	5,42911	4,68762	1,67190167	ENST00000282611	347732	NM_178019	CATSPER3
A_21_P0003205	3,83927	3,09781	1,671866904	N/A	N/A	N/A	Inc-CPN2-2
A_33_P3328051	2,79928	2,05783	1,671855315	N/A	100129961	NR_036549	CCNT2-AS1
A_21_P0007906	2,25053	1,50909	1,671843727	N/A	100652856	NR_104118	LINC00408
A_23_P44155	4,29851	3,55719	1,671704673	ENST00000283285	10225	NM_198196	CD96
A_23_P254888	12,502	11,7607	1,671681498	ENST00000322764	7791	NM_003461	ZYX
A_33_P3240538	11,3104	10,5691	1,671681498	ENST00000368662	51175	NM_016262	TUBE1
A_24_P147242	2,43995	1,69867	1,671658324	ENST00000547372	54715	NM_145893	RBFOX1
A_23_P19663	5,69874	4,95746	1,671658324	ENST00000367976	1490	NM_001901	CTGF
A_33_P3225250	10,2652	9,52403	1,671530871	ENST00000534171	221120	NM_139178	ALKBH3
A_23_P51508	12,5183	11,7772	1,67144977	ENST00000367943	11266	NM_007240	DUSP12
A_33_P3332215	5,38301	4,64196	1,671391843	ENST00000368396	4582	NM_001044392	MUC1
A_21_P0011366	4,85675	4,1157	1,671391843	N/A	N/A	N/A	XLLOC_I2_004867
A_23_P105923	5,33893	4,59795	1,671310748	ENST00000510508	1735	NM_001362	DIO3
A_23_P409386	10,6813	9,9406	1,67098641	ENST00000320230	79751	NM_024698	SLC25A22
A_23_P500364	10,5597	9,81909	1,670882172	ENST00000482231	9275	NM_001301061	BCL7B
A_24_P172990	12,6495	11,9089	1,67087059	ENST00000569825	16	NM_001605	AARS

A_21_P0013784	10,8125	10,072	1,670754778	N/A	N/A	N/A	XLOC_I2_015585
A_33_P3299285	6,20441	5,46392	1,670743197	ENST00000336830	127943	NM_001002901	FCRLB
A_22_P00004209	4,37351	3,63305	1,670708455	N/A	N/A	N/A	Inc-CLNS1A-2
A_22_P00003338	6,1631	5,4227	1,670638974	ENST00000513931	100996485	NM_001277348	C5orf66
A_21_P0010267	11,4678	10,7275	1,670523178	N/A	N/A	HQ013231	Inc-TPTE-3
A_23_P410600	2,98177	2,24162	1,6703495	ENST00000277517	91734	NM_033261	IDI2
A_33_P3412798	2,19243	1,45229	1,670337922	ENST00000425520	441581	NM_001080998	FRG2B
A_32_P98927	8,33704	7,59691	1,670326344	ENST00000416602	64940	NR_040585	STAG3L4
A_33_P3293529	12,808	12,0681	1,670060075	ENST00000530034	N/A	N/A	N/A
A_33_P3284472	7,25446	6,51482	1,669759127	ENST00000329073	317781	NM_175066	DDX51
A_22_P00006615	2,17975	1,44016	1,669701258	ENST00000437696	N/A	N/A	N/A
A_22_P00024667	2,9884	2,2489	1,6695971	N/A	100874095	NR_046662	ADIPOQ-AS1
A_33_P3327956	9,76165	9,02231	1,669411946	ENST00000360187	100289635	NM_183238	ZNF605
A_33_P3213747	10,0499	9,31067	1,669284665	ENST00000310597	741	NM_014205	ZNHIT2
A_33_P3216150	9,1109	8,37174	1,669203673	ENST00000535904	5545	NM_002723	PRB4
A_32_P724317	2,48228	1,74342	1,668856608	N/A	N/A	AF419291	Inc-UCP2-1
A_23_P46690	5,27599	4,53717	1,668810338	ENST00000367167	388730	NM_203376	TMEM81
A_23_P337899	3,28381	2,54504	1,668752502	ENST00000311269	162333	NM_152598	mar-10
A_33_P3225610	7,14961	6,41091	1,668671536	N/A	N/A	AY358225	N/A
A_22_P00002753	3,65758	2,91891	1,668636837	N/A	N/A	N/A	Inc-C21orf62-1
A_33_P3226557	4,04	3,30137	1,668590573	ENST00000329447	389151	NM_001013650	PRR23B
A_22_P00023174	3,27562	2,53701	1,668567442	N/A	N/A	AI864952	Inc-GFOD1-1
A_33_P3279353	3,85847	3,11994	1,668474919	ENST00000620695	566	NM_001700	AZU1
A_32_P35220	12,6996	11,9611	1,668440225	ENST00000441808	220869	NM_001024916	CBWD5
A_21_P0007201	2,38607	1,6476	1,668405531	ENST00000533358	51144	XR_252883	HSD17B12
A_21_P0011294	4,14578	3,40742	1,668278326	N/A	N/A	N/A	XLOC_I2_004594
A_22_P00022799	5,85745	5,11911	1,668255199	N/A	N/A	N/A	Inc-RIMS3-4
A_23_P163361	4,87592	4,13769	1,668128006	ENST00000268125	6017	NM_000326	RLBP1
A_23_P91697	3,68096	2,94288	1,667954576	ENST00000402320	9215	NM_004737	LARGE
A_22_P00001063	3,08151	2,3436	1,667758044	N/A	N/A	N/A	Inc-ALCAM-3
A_22_P00019389	6,05751	5,3196	1,667758044	ENST00000519048	N/A	N/A	N/A
A_24_P942068	9,96146	9,22363	1,667665567	ENST00000424789	26115	NM_025185	TANC2
A_33_P3251940	2,15338	1,41568	1,667515302	ENST00000610320	100131608	NM_001282479	PRR23D1

A_33_P3502914	2,76239	2,02476	1,667434395	ENST00000255890	150244	NR_003950	ZDHC8P1
A_23_P62840	13,1886	12,4511	1,667284151	ENST00000373044	79693	NM_024640	YRDC
A_22_P00012438	3,71907	2,98162	1,667226368	ENST00000564335	644050	NR_104176	LINC01529
A_33_P3223739	3,20351	2,46606	1,667226368	ENST00000619659	138883	NM_012363	OR1N1
A_21_P0013339	6,91671	6,17936	1,667110809	N/A	N/A	N/A	XLOC_I2_013931
A_22_P00017059	6,61109	5,87377	1,667076143	ENST00000463298	101	NM_001164489	ADAM8
A_33_P3409347	5,77748	5,04037	1,666833499	N/A	28974	NM_014047	C19orf53
A_33_P3284557	10,5519	9,81487	1,666741073	ENST00000409176	51776	NM_016653	ZAK
A_22_P00025527	2,23009	1,49309	1,666706414	N/A	N/A	BC033513	Inc-ANKRD53-1
A_24_P7157	9,03857	8,30158	1,666694862	ENST00000299673	57494	NM_020734	RIMKLB
A_33_P3252083	4,86912	4,13221	1,666602443	ENST00000398016	23426	NM_021150	GRIP1
A_33_P3879161	2,37871	1,64181	1,666590891	ENST00000371109	118788	NM_152309	PIK3AP1
A_23_P168541	11,3011	10,5646	1,666128878	ENST00000359073	79034	NM_024067	C7orf26
A_33_P3285122	2,595	1,85879	1,665793999	ENST00000587354	148103	AK307339	ZNF599
A_22_P00016412	2,76378	2,02763	1,665724722	ENST00000579367	N/A	N/A	N/A
A_19_P00317836	5,16983	4,43373	1,665666993	ENST00000431385	N/A	N/A	N/A
A_22_P00023101	2,52275	1,7868	1,665493819	ENST00000483023	N/A	N/A	N/A
A_21_P0012639	3,10018	2,36429	1,665424555	N/A	N/A	N/A	XLOC_I2_010963
A_23_P70168	15,3632	14,6275	1,665205236	ENST00000502553	6897	NM_152295	TARS
A_22_P00010856	5,76944	5,03377	1,665170609	N/A	N/A	N/A	Inc-NOS2-2
A_33_P3342862	5,10829	4,37273	1,665043651	ENST00000324038	100533183	NM_001204299	ZNF664-FAM101A
A_22_P00013693	5,14389	4,40861	1,664720529	ENST00000518854	100507464	XR_108905	LOC100507464
A_33_P3372257	8,92262	8,18759	1,66443208	ENST00000334082	9456	NM_004272	HOMER1
A_33_P3362148	7,39874	6,66373	1,664409006	N/A	284900	NR_026963	TTC28-AS1
A_23_P139418	8,6009	7,86591	1,664385933	ENST00000227756	374378	NM_198516	GALNT18
A_33_P3273324	8,27465	7,53972	1,664316714	ENST00000344085	400713	AF088022	ZNF880
A_21_P0005091	2,22735	1,49255	1,664166751	N/A	N/A	N/A	Inc-THBS2-6
A_23_P69141	9,75965	9,02497	1,664028335	ENST00000481915	51143	NM_016141	DYNC1LI1
A_23_P31414	11,3312	10,5969	1,663590095	ENST00000422497	5001	NM_002553	ORC5
A_33_P3217465	14,1339	13,3999	1,663244197	ENST00000378474	58526	NM_021242	MID1IP1
A_23_P150018	12,7453	12,0114	1,663128913	ENST00000369583	1847	NM_004419	DUSP5
A_33_P3294440	2,14479	1,4109	1,663117386	ENST00000422819	221262	N/A	CCDC162P
A_33_P3348011	8,01865	7,2851	1,662725485	N/A	222699	NR_002936	TOB2P1



A_21_P0005638	4,79638	4,06285	1,662702435	N/A	N/A	N/A	Inc-SLC10A5-1
A_33_P3412795	2,29398	1,56051	1,662633286	N/A	N/A	N/A	N/A
A_33_P3274080	5,56114	4,82777	1,662518045	N/A	N/A	N/A	N/A
A_21_P0008350	4,03328	3,29996	1,662460428	N/A	N/A	N/A	Inc-FUT8-2
A_24_P152398	4,14529	3,41207	1,662345199	ENST00000621818	63970	NM_001195195	TP53AIP1
A_19_P00319917	5,77372	5,04062	1,662206935	ENST00000426282	100506714	NR_038956	NUP50-AS1
A_22_P00007706	2,60222	1,8692	1,662114765	N/A	N/A	N/A	Inc-HIVEP2-4
A_33_P3389917	3,67735	2,9446	1,66180373	ENST00000366577	4548	NM_000254	MTR
A_21_P0001873	5,24244	4,50972	1,661769174	ENST00000423168	100507073	NR_110156	LOC100507073
A_33_P3253807	13,0809	12,3483	1,661630957	ENST00000284000	1054	NM_001806	CEBPG
A_21_P0001496	5,15207	4,41948	1,66161944	N/A	N/A	N/A	Inc-PDZK1IP1-1
A_19_P00804723	3,69704	2,9646	1,661446687	ENST00000440692	6229	NM_001142285	RPS24
A_23_P254797	4,69861	3,96621	1,661400622	ENST00000170150	80341	NM_025227	BPIFB2
A_22_P00005380	4,17154	3,43918	1,661354559	ENST00000515343	N/A	N/A	N/A
A_23_P322704	11,8068	11,0745	1,661285467	ENST00000553955	283635	NM_001079519	FAM177A1
A_21_P0003452	2,86502	2,13281	1,661181834	ENST00000503085	N/A	N/A	N/A
A_24_P271363	10,8846	10,1524	1,661170319	ENST00000379070	8760	NM_003818	CDS2
A_22_P00000645	2,92591	2,19382	1,661043666	ENST00000547762	102724663	NR_120491	LOC102724663
A_33_P3334342	5,80015	5,06836	1,660698298	N/A	N/A	N/A	N/A
A_32_P410272	3,09501	2,36323	1,660686787	ENST00000601788	N/A	BC066878	N/A
A_22_P00019844	7,99053	7,25888	1,66053715	N/A	N/A	AL832624	Inc-KLRG2-1
A_22_P00013299	4,6253	3,89366	1,660525641	N/A	N/A	AL832705	Inc-RP11-1105G2.3.1-4
A_22_P00010470	2,16287	1,43129	1,660456583	ENST00000445814	7503	NR_001564	XIST
A_19_P00802546	6,13484	5,40343	1,660260934	ENST00000493442	139231	NM_207318	FAM199X
A_21_P0003902	2,55351	1,82213	1,66022641	N/A	N/A	N/A	Inc-NR3C2-4
A_23_P12866	9,14569	8,41439	1,660134351	ENST00000483455	118672	NM_153336	PSTK
A_32_P93852	11,7445	11,0134	1,659904223	ENST00000285908	91272	NM_138369	BOD1
A_33_P3324206	10,4399	9,70885	1,659846696	ENST00000312841	55806	NM_005144	HR
A_33_P3323453	12,6357	11,9047	1,659789171	ENST00000464661	81502	NM_030789	HM13
A_24_P246107	4,39791	3,66716	1,659501577	ENST00000334068	284827	NM_181600	KRTAP13-4
A_33_P3362321	11,7236	10,9929	1,659444064	ENST00000452732	2274	NM_201555	FHL2
A_33_P3230990	5,38168	4,65115	1,659248535	ENST00000360835	80274	NM_173050	SCUBE1
A_22_P00016647	2,28358	1,55307	1,659225533	ENST00000530039	N/A	CN483642	N/A

A_21_P0000550	6,17117	5,44068	1,659202531	ENST00000419458	100302401	NR_027982	RASAL2-AS1
A_21_P0002574	3,48511	2,75469	1,659122028	ENST00000433810	103752554	NR_125783	MYCNUT
A_21_P0007796	5,31987	4,58947	1,659099028	N/A	N/A	N/A	Inc-SLC15A4-5
A_23_P109171	8,49571	7,76539	1,65900703	ENST00000536626	631	NM_001195	BFSP1
A_21_P0008197	4,42045	3,69014	1,658995531	N/A	N/A	N/A	Inc-SLITRK6-9
A_21_P0002482	2,11742	1,38717	1,658926537	N/A	N/A	N/A	Inc-TGFBRAP1-2
A_24_P368735	3,58	2,84978	1,658892041	ENST00000310389	285598	NM_173664	ARL10
A_33_P3286576	2,38338	1,6532	1,658846047	N/A	N/A	N/A	N/A
A_22_P00023498	6,35672	5,62675	1,658604602	N/A	N/A	AK074510	Inc-GLIPR1-4
A_33_P3773261	3,7788	3,04887	1,658558616	ENST00000380455	4835	XR_249926	NQO2
A_23_P215634	2,23842	1,50864	1,658386181	ENST00000275521	3486	NM_001013398	IGFBP3
A_21_P0002545	2,30888	1,57925	1,658213764	N/A	N/A	N/A	Inc-EPHA4-2
A_23_P13364	11,0148	10,2854	1,657949426	ENST00000531242	4925	NM_005013	NUCB2
A_33_P3359781	5,44705	4,71768	1,657914951	ENST00000381177	4267	N/A	CD99
A_22_P00011618	2,2663	1,53702	1,657811528	N/A	100506492	NR_038896	DSCAM-AS1
A_33_P3266923	7,18182	6,4528	1,657512787	ENST00000297293	22853	NM_014916	LMTK2
A_33_P3258362	5,43389	4,70495	1,657420877	ENST00000482565	3040	NM_000517	HBA2
A_33_P3240632	2,35816	1,62928	1,657351949	ENST00000325017	137814	NM_001136271	NKX2-6
A_22_P00001403	4,14801	3,41922	1,657248561	N/A	N/A	N/A	Inc-APBB1IP-2
A_22_P00024983	3,78547	3,05669	1,657237074	N/A	101929756	XR_252148	LOC101929756
A_33_P3216938	6,73036	6,00161	1,657202613	ENST00000527261	100130460	NR_103765	CAND1.11
A_22_P00006160	2,71627	1,98756	1,657156666	ENST00000423478	644353	NM_001143978	ZCCHC18
A_23_P202156	9,07343	8,34492	1,656926951	ENST00000189444	4791	NM_001288724	NFKB2
A_33_P3267320	4,99238	4,26396	1,65682359	ENST00000296292	91869	NM_052859	RFT1
A_21_P0000778	7,51137	6,783	1,65676617	ENST00000603027	100507331	NR_038357	ZSWIM8-AS1
A_23_P346431	3,21872	2,4904	1,656708752	ENST00000295910	131831	NM_152394	ERICH6
A_19_P00317180	8,92603	8,19776	1,656651336	ENST00000613916	5820	NR_003367	PVT1
A_22_P00015880	8,04821	7,31998	1,656605404	N/A	N/A	AK095250	Inc-TC2N-1
A_22_P00001176	6,39285	5,66467	1,656547991	ENST00000553991	N/A	BX103447	N/A
A_33_P3297399	8,5256	7,79746	1,656502063	ENST00000522493	54793	NM_017634	KCTD9
A_23_P45488	9,86159	9,13351	1,656433172	ENST00000475657	60343	NM_021806	FAM3A
A_22_P00010716	6,29521	5,56723	1,656318361	ENST00000510360	102724596	N/A	LOC102724596
A_23_P97632	14,4579	13,7301	1,656111721	ENST00000468487	2058	NM_004446	EPRS

A_22_P00011747	5,137	4,40926	1,656042847	N/A	N/A	N/A	Inc-PERP-2
A_33_P3395230	3,19478	2,46707	1,656008411	ENST00000458685	N/A	N/A	N/A
A_23_P202427	7,94544	7,21775	1,655985454	ENST00000354624	80201	NM_025130	HKDC1
A_33_P3331080	5,94414	5,21656	1,655859196	N/A	10802	NM_001252231	SEC24A
A_33_P3255384	2,35716	1,62972	1,655698518	ENST00000432451	254240	NM_174932	BPIFC
A_24_P827	6,93765	6,21028	1,655618185	ENST00000475057	8464	NM_003599	SUPT3H
A_33_P3409710	2,16235	1,43502	1,655572282	ENST00000466630	349075	BC048108	ZNF713
A_32_P92783	11,1669	10,4396	1,655537856	ENST00000394563	10963	NM_006819	STIP1
A_33_P3321793	6,86489	6,13761	1,655514905	N/A	N/A	BM973477	N/A
A_23_P82286	5,24216	4,51512	1,655239525	ENST00000546292	7455	NM_173059	ZAN
A_33_P3255964	9,07302	8,34598	1,655239525	ENST00000420853	643160	N/A	CYMP
A_23_P152235	9,46396	8,73693	1,655228051	ENST00000329734	79191	NM_024336	IRX3
A_22_P00012995	5,84893	5,12203	1,655078907	N/A	N/A	BX643577	Inc-RFPL3-3
A_24_P321634	8,95664	8,2298	1,655010075	ENST00000467542	9205	NM_001039650	ZMYM5
A_23_P35989	10,4694	9,74265	1,654906834	ENST00000530754	221120	NM_139178	ALKBH3
A_21_P0007440	4,27314	3,54658	1,6546889	N/A	102724209	XR_424249	LOC102724209
A_33_P3356863	2,28292	1,55651	1,654516868	N/A	N/A	AK128846	N/A
A_23_P201918	9,6528	8,9264	1,6545054	ENST00000344517	23456	NM_012089	ABCB10
A_33_P3214314	9,67618	8,94978	1,6545054	ENST00000372088	54462	NM_001284241	CCSER2
A_23_P73526	4,05704	3,33078	1,654344853	ENST00000454225	4435	NM_004143	CITED1
A_23_P85218	3,82593	3,09981	1,654184322	ENST00000370536	6658	NM_005634	SOX3
A_33_P3214884	11,2164	10,4904	1,654046737	ENST00000261667	3839	NM_002267	KPNA3
A_33_P3261565	7,4854	6,75943	1,654012342	ENST00000359653	54764	NM_017580	ZRANB1
A_24_P166663	13,6787	12,9529	1,653817453	ENST00000265734	1021	NM_001259	CDK6
A_23_P84202	6,3868	5,66103	1,653783063	ENST00000554998	79446	NM_024515	WDR25
A_21_P0014821	2,76554	2,03999	1,653530893	N/A	N/A	N/A	N/A
A_33_P3281258	3,29608	2,57061	1,653439205	ENST00000452153	100996813	XR_429857	LOC100996813
A_21_P0008295	5,18951	4,46411	1,653358981	ENST00000556035	N/A	N/A	N/A
A_33_P3343493	2,49737	1,77228	1,653003753	ENST00000466282	2550	NM_001470	GABBR1
A_22_P00007748	2,4286	1,70351	1,653003753	ENST00000420694	103724387	N/A	LINC01058
A_33_P3352148	5,31335	4,58847	1,652763158	ENST00000257897	116986	NM_001122772	AGAP2
A_23_P365817	15,0568	14,3322	1,652442418	ENST00000309318	26472	NM_138689	PPP1R14B
A_33_P3273885	3,21526	2,49072	1,652373697	ENST00000477036	N/A	XM_005274953	N/A

A_23_P143016	9,8083	9,08386	1,652259167	ENST00000412735	10865	NM_212481	ARID5A
A_33_P3363100	5,24894	4,52451	1,652247714	N/A	N/A	N/A	N/A
A_24_P288722	9,2214	8,49705	1,652156097	ENST00000378166	8573	NM_003688	CASK
A_23_P167168	5,42648	4,70215	1,652133193	ENST00000543780	3512	NM_144646	IGJ
A_22_P00016493	3,22481	2,50066	1,651927075	N/A	N/A	DW428550	Inc-TMEM99-2
A_33_P3274696	14,9732	14,2491	1,651869825	ENST00000402965	79581	NM_024531	SLC52A2
A_21_P0011209	3,92545	3,20139	1,651824026	ENST00000416576	N/A	N/A	N/A
A_24_P92367	12,8768	12,1528	1,65175533	ENST00000398873	150223	NM_001017964	YDJC
A_23_P133995	13,5869	12,863	1,651640843	ENST00000373699	51645	NM_016059	PPIL1
A_19_P00316914	7,56954	6,84602	1,651205865	ENST00000441360	N/A	N/A	N/A
A_21_P0001856	5,04062	4,31718	1,651114305	ENST00000442821	N/A	N/A	N/A
A_33_P3346610	5,46771	4,74443	1,650931201	N/A	N/A	N/A	N/A
A_32_P177040	4,1299	3,4067	1,650839656	ENST00000624640	442590	NM_001099435	SPDYE5
A_22_P00018375	6,31804	5,59487	1,650805328	N/A	N/A	N/A	Inc-AVEN-1
A_23_P103361	9,49137	8,76825	1,650748117	ENST00000469765	3932	NM_005356	LCK
A_23_P250274	16,4368	15,714	1,65038201	ENST00000259324	56262	NM_019594	LRR8A
A_33_P3244828	7,29497	6,57217	1,65038201	N/A	N/A	N/A	N/A
A_23_P425104	9,407	8,68422	1,650359131	ENST00000263377	23476	NM_058243	BRD4
A_24_P316430	8,81697	8,09431	1,650221863	ENST00000369646	4907	NM_002526	NT5E
A_21_P0010842	4,8673	4,14467	1,650187548	ENST00000445161	100506126	NR_108045	LINC00867
A_22_P00023901	2,39718	1,67457	1,650164672	N/A	N/A	AK057422	Inc-STRA8-1
A_33_P3383292	3,60505	2,88298	1,649547132	N/A	100129620	NR_033940	LOC100129620
A_21_P0011068	10,3208	9,59878	1,649489964	ENST00000538790	100506691	XR_424420	LOC100506691
A_23_P130398	2,51898	1,79697	1,64947853	ENST00000391403	64693	NM_172241	CTAGE1
A_33_P3336597	4,01727	3,29527	1,649467097	ENST00000434664	554223	NM_001207043	LOC554223
A_23_P9485	5,08364	4,36175	1,649341336	ENST00000431067	5005	NM_000608	ORM2
A_32_P387648	9,46434	8,74254	1,649238448	ENST00000368799	2312	NM_002016	FLG
A_21_P0014815	6,61671	5,89497	1,64916986	N/A	N/A	BC054864	Inc-TTR-1
A_24_P37441	9,59731	8,87558	1,649158429	ENST00000410055	5163	NM_002610	PDK1
A_21_P0006871	4,54189	3,82025	1,649055552	N/A	101927584	XR_246208	LOC101927584
A_33_P3261019	3,53302	2,81152	1,648895535	N/A	6549	NM_003048	SLC9A2
A_24_P159948	10,6042	9,88277	1,648815532	ENST00000424545	10139	NM_003224	ARFRP1
A_21_P0014443	6,88477	6,16335	1,648804103	N/A	N/A	N/A	N/A

A_22_P00006723	4,69717	3,97594	1,648586973	ENST00000549261	N/A	DB486346	N/A
A_23_P309701	8,74509	8,02403	1,648392723	ENST00000309660	5771	NM_002828	PTPN2
A_24_P943997	7,92442	7,20337	1,648381297	ENST00000377275	221079	NM_178815	ARL5B
A_24_P786713	2,80376	2,08272	1,648369872	ENST00000540219	N/A	N/A	N/A
A_21_P0010731	5,81921	5,09817	1,648369872	ENST00000452528	N/A	N/A	N/A
A_24_P66679	6,62457	5,9038	1,648061409	ENST00000556492	122830	NM_001011713	NAA30
A_23_P414713	7,57268	6,85196	1,648004292	ENST00000360465	84436	NM_032423	ZNF528
A_22_P00011644	2,62307	1,90255	1,647775846	ENST00000443792	N/A	N/A	N/A
A_23_P79122	11,2053	10,4848	1,647753003	ENST00000594724	55850	NM_018467	USE1
A_33_P3297155	6,81582	6,09533	1,647741582	ENST00000525153	8487	NM_003616	GEMIN2
A_22_P00017240	4,94144	4,22101	1,647673056	N/A	102724800	XR_425278	LOC102724800
A_24_P410952	10,1035	9,38309	1,647650214	ENST00000360472	8682	NM_003768	PEA15
A_33_P3376965	9,22791	8,50769	1,647433236	ENST00000444189	79094	NM_024111	CHAC1
A_33_P3802966	2,45598	1,73583	1,647353304	N/A	N/A	N/A	N/A
A_21_P0013073	2,23073	1,51083	1,647067865	N/A	N/A	N/A	XLOC_l2_012929
A_24_P171058	8,44243	7,72259	1,646999366	ENST00000458549	169200	NM_001008495	TMEM64
A_23_P3775	10,6999	9,98016	1,646885209	ENST00000336111	55239	NM_018233	OGFOD1
A_33_P3380056	7,09265	6,3731	1,646668332	ENST00000489377	91283	NM_001198807	MSANTD3
A_21_P0013428	2,12788	1,40846	1,646519959	N/A	N/A	N/A	Inc-ZNF680-9
A_24_P376556	13,7804	13,061	1,646497133	ENST00000409764	54205	NM_018947	CYCS
A_33_P3271196	9,22069	8,50133	1,646451483	ENST00000317829	154810	NM_130847	AMOTL1
A_23_P94795	12,0524	11,3331	1,646383011	ENST00000358409	7004	NM_003213	TEAD4
A_33_P3393931	4,86285	4,14357	1,646360187	N/A	619518	NR_103541	SSBP3-AS1
A_33_P3302423	3,18056	2,46136	1,646268896	ENST00000335749	57690	NM_001142640	TNRC6C
A_33_P3264895	11,3652	10,646	1,646268896	ENST00000420065	121268	NM_001303126	RHEBL1
A_23_P90419	10,5508	9,83181	1,646029281	ENST00000251203	80714	NM_025245	PBX4
A_21_P0003892	5,04664	4,32776	1,645903782	ENST00000507759	N/A	N/A	N/A
A_22_P00000218	2,22574	1,50704	1,645698442	N/A	100128560	NR_125367	MYHAS
A_22_P00023280	2,13477	1,41609	1,645675628	N/A	N/A	N/A	Inc-MRE11A-1
A_23_P141092	5,72852	5,00994	1,645561562	ENST00000575320	7023	NM_003223	TFAP4
A_24_P246841	4,30048	3,58199	1,64545891	ENST00000411689	9481	NM_004277	SLC25A27
A_22_P00008786	5,80371	5,08538	1,645276433	N/A	101927761	XR_427771	LOC101927761
A_24_P257336	2,25634	1,53807	1,645208009	ENST00000463323	64091	NM_022135	POPDC2

A_33_P3228435	4,58432	3,86606	1,645196605	ENST00000587056	5348	NM_001278717	FXYD1
A_32_P201212	2,26964	1,55138	1,645196605	N/A	729338	N/A	CETN4P
A_21_P0009528	4,83049	4,11242	1,64497995	N/A	N/A	N/A	Inc-PIEZO2-3
A_33_P3398932	5,94197	5,22407	1,644786126	ENST00000591416	4152	N/A	MBD1
A_22_P00023569	7,25233	6,53469	1,644489732	N/A	N/A	N/A	Inc-FAM168A-1
A_33_P3358606	5,21228	4,49477	1,644341555	ENST00000415915	401024	NM_173651	FSIP2
A_21_P0001196	4,06261	3,34527	1,644147805	N/A	N/A	N/A	Inc-SERPINC1-3
A_23_P103628	12,2109	11,4936	1,64410222	ENST00000366581	55127	NM_018072	HEATR1
A_24_P299769	2,49999	1,78275	1,644033846	ENST00000408896	26188	NM_012353	OR1C1
A_24_P327815	10,4048	9,68807	1,643452774	ENST00000305218	10963	NM_006819	STIP1
A_24_P289471	10,1467	9,43004	1,643373035	ENST00000611959	8635	NM_003730	RNASSET2
A_23_P214977	11,9375	11,2209	1,643304691	ENST00000459782	11231	NM_007214	SEC63
A_22_P00009365	7,06348	6,34691	1,643270519	ENST00000437233	N/A	N/A	N/A
A_33_P3357082	8,97762	8,26109	1,643224959	ENST00000392604	79828	NM_024770	METTL8
A_33_P3313401	13,7944	13,0779	1,643190789	ENST00000409764	54205	NM_018947	CYCS
A_33_P3289870	3,8062	3,08974	1,643145231	N/A	N/A	N/A	Inc-ASB5-1
A_22_P00017127	2,63167	1,91524	1,643111063	N/A	N/A	N/A	Inc-UBASH3B-2
A_21_P0002634	2,63484	1,91843	1,643088285	N/A	N/A	N/A	Inc-ASB1-1
A_22_P00005621	4,05752	3,34134	1,642826358	N/A	N/A	N/A	Inc-EGR2-1
A_33_P3377760	4,97372	4,25778	1,642553088	N/A	N/A	DA946325	N/A
A_33_P3228807	5,40023	4,68452	1,642291247	ENST00000496786	10290	NM_001173476	SPEG
A_24_P416177	10,3291	9,61349	1,642177416	ENST00000254235	113	NM_001114	ADCY7
A_23_P43226	11,5747	10,8591	1,642166033	ENST00000221200	54793	NM_017634	KCTD9
A_24_P89509	10,9341	10,2185	1,642166033	ENST00000453993	60487	NM_001031712	TRMT11
A_33_P3359413	11,8101	11,0947	1,641938397	ENST00000221566	6449	NM_003021	SGTA
A_33_P3225111	2,88557	2,1702	1,641904254	ENST00000622711	57468	AK098371	SLC12A5
A_24_P911288	2,92426	2,20892	1,641870112	N/A	652764	X74861	HPX-2
A_22_P00024248	2,26945	1,55416	1,64181321	ENST00000512609	N/A	N/A	N/A
A_33_P3357007	2,76212	2,04686	1,64177907	ENST00000382141	387911	NM_001007537	C1QTNF9B
A_21_P0012326	9,15535	8,44011	1,64175631	ENST00000447898	N/A	N/A	N/A
A_21_P0002189	6,55037	5,83533	1,64152873	N/A	N/A	N/A	Inc-SLC4A1AP-1
A_33_P3228082	2,33951	1,62456	1,641426329	ENST00000254271	341883	NR_075071	LRRC9
A_23_P125423	11,0532	10,3383	1,641369443	ENST00000540394	715	NM_001733	C1R

A_22_P00017098	2,27332	1,55843	1,641358066	N/A	100873989	NR_049724	GRM5-AS1
A_22_P00018906	7,1276	6,41286	1,641187419	N/A	N/A	N/A	Inc-TOMM20L-1
A_23_P41942	6,93391	6,21937	1,640959918	ENST00000622335	10622	NM_006467	POLR3G
A_22_P00005076	3,68697	2,97246	1,640925795	ENST00000558835	101929743	NR_120369	LINC01586
A_21_P0013228	6,98701	6,27255	1,640868926	ENST00000525931	92105	N/A	INTS4
A_23_P257743	10,9397	10,2253	1,640800686	ENST00000377707	6461	NM_003028	SHB
A_19_P00813087	3,05769	2,34335	1,640732448	ENST00000413121	100506421	NR_037883	LINC01158
A_33_P3260116	2,84121	2,12697	1,640618725	ENST00000390460	N/A	AB305761	N/A
A_22_P00010321	4,38409	3,66996	1,640493639	ENST00000451108	N/A	N/A	N/A
A_23_P326303	2,87767	2,16365	1,640368563	ENST00000618721	83873	NM_031936	GPR61
A_24_P48791	10,9375	10,2235	1,640345822	ENST00000374980	8894	NM_003908	EIF2S2
A_22_P00021487	5,27042	4,55646	1,640300343	ENST00000438589	388630	NM_001194986	TRABD2B
A_22_P00011462	3,53693	2,82299	1,640277604	N/A	N/A	N/A	Inc-PAPPA-AS1-2
A_33_P3388135	11,9326	11,2187	1,640232126	ENST00000347364	8195	NM_018848	MKKS
A_33_P3414207	3,51676	2,80291	1,640175281	N/A	101928578	NR_110410	RAP2C-AS1
A_21_P0009828	7,21859	6,50491	1,639982022	N/A	N/A	N/A	Inc-C20orf187-2
A_22_P00010504	7,37357	6,66007	1,63977742	ENST00000524190	101929709	NR_125822	LOC101929709
A_23_P37484	12,2396	11,5262	1,639663764	ENST00000254190	22856	NM_014918	CHSY1
A_24_P73669	10,9147	10,2015	1,639436474	ENST00000562794	2935	NM_002094	GSPT1
A_23_P357717	4,37614	3,66306	1,639300115	ENST00000556450	8115	NM_021966	TCL1A
A_24_P151834	8,92934	8,21627	1,639288752	ENST00000570934	51479	BC052308	ANKFY1
A_24_P126181	11,0951	10,3821	1,639209215	ENST00000537399	126382	NM_176880	NR2C2AP
A_23_P154037	6,14209	5,42911	1,639186491	ENST00000485106	316	NM_001159	AOX1
A_21_P0008938	6,07368	5,36084	1,639027431	N/A	N/A	N/A	Inc-RP11-327F22.5.1-6
A_24_P196019	6,34407	5,63137	1,638868387	ENST00000422823	N/A	N/A	N/A
A_22_P00000382	3,59746	2,88478	1,638845667	N/A	100127967	NR_126005	KRT73-AS1
A_23_P56553	10,237	9,52436	1,63880023	ENST00000477130	79828	NM_024770	METTL8
A_33_P3349546	8,94947	8,23685	1,638777511	ENST00000375255	80067	NM_025000	DCAF17
A_22_P00000615	2,18676	1,47415	1,638766152	N/A	N/A	N/A	Inc-ACOT12-2
A_23_P319808	7,19254	6,47998	1,638709358	ENST00000279907	23074	NM_015054	UHRF1BP1L
A_23_P118122	6,15259	5,44007	1,638663924	ENST00000477143	8786	NM_003834	RGS11
A_33_P3331601	7,68969	6,97742	1,638379989	ENST00000524413	79896	NM_024838	THNSL1
A_21_P0014247	7,38219	6,66995	1,638345921	N/A	N/A	AK096685	N/A

A_22_P00025373	8,55666	7,8445	1,638255074	ENST00000439156	N/A	N/A	N/A
A_21_P0014604	8,7886	8,07654	1,638141523	N/A	N/A	AK022008	Inc-ADAM30-1
A_33_P3400192	6,46127	5,74923	1,638118813	ENST00000425491	5601	NM_001135044	MAPK9
A_33_P3256168	5,25207	4,54009	1,638050687	ENST00000604751	401548	NM_001012994	SNX30
A_33_P3210583	3,9397	3,22789	1,637857679	ENST00000409085	22848	NM_014911	AAK1
A_21_P0002840	4,56895	3,85717	1,637823621	N/A	N/A	N/A	Inc-XPC-1
A_21_P0002782	3,70824	2,99653	1,637744155	ENST00000496084	N/A	N/A	N/A
A_21_P0014690	3,9954	3,28381	1,637607937	N/A	N/A	N/A	N/A
A_24_P91991	6,37217	5,66069	1,637483081	ENST00000423729	339983	NM_178557	NAT8L
A_21_P0000284	9,78584	9,07443	1,637403631	ENST00000395788	26797	NR_002742	SNORD52
A_24_P934126	2,31068	1,59933	1,637335535	N/A	100128035	AY358772	LOC100128035
A_33_P3349912	2,39166	1,68038	1,637256093	ENST00000612677	401258	NM_001257357	RAB44
A_24_P372932	7,72137	7,01025	1,637074526	ENST00000420616	5830	NM_000319	PEX5
A_21_P0004359	2,32982	1,6188	1,636961056	N/A	N/A	N/A	Inc-NSUN2-1
A_33_P3240912	8,80556	8,09468	1,636802212	ENST00000476168	84061	NM_032121	MAGT1
A_23_P67299	10,6913	9,98049	1,636722796	ENST00000294618	57572	NM_020812	DOCK6
A_23_P29185	8,1119	7,40112	1,636688762	ENST00000612946	23331	NM_001145418	TTC28
A_24_P371758	13,5984	12,8877	1,636598007	ENST00000382647	64979	NM_032479	MRPL36
A_24_P309415	14,5774	13,8668	1,63648457	ENST00000398136	114908	NM_052932	TMEM123
A_21_P0012780	7,99413	7,28382	1,636155649	ENST00000502883	N/A	N/A	N/A
A_21_P0008701	9,16438	8,45411	1,636110286	N/A	N/A	N/A	Inc-LRRK1-2
A_22_P00018918	3,49648	2,78627	1,636042244	ENST00000511947	N/A	DB034893	N/A
A_33_P3347452	9,64516	8,93502	1,635962864	ENST00000510118	6196	NM_021135	RPS6KA2
A_21_P0000318	9,78397	9,07384	1,635951525	ENST00000602573	677809	NR_002963	SNORA24
A_33_P6623568	5,21402	4,50397	1,635860811	ENST00000562715	5073	N/A	PARN
A_24_P368544	6,76974	6,05976	1,635781144	ENST00000354883	115286	NM_173471	SLC25A26
A_22_P00023924	4,04506	3,33517	1,635679398	N/A	N/A	N/A	Inc-OBFC2A-5
A_23_P40049	11,1656	10,4559	1,635463997	ENST00000264705	790	NM_004341	CAD
A_21_P0000315	10,79	10,0803	1,635463997	ENST00000525928	677805	NR_002959	SNORA18
A_21_P0010888	8,36307	7,65346	1,635361974	N/A	101060691	NR_120613	NUTM2B-AS1
A_33_P3385732	2,38249	1,67304	1,635180617	ENST00000332249	338751	NM_001005173	OR52L1
A_24_P32215	5,6819	4,97267	1,634931283	ENST00000503220	N/A	N/A	N/A
A_33_P3340385	2,45884	1,74967	1,63486329	ENST00000357491	7594	NM_001256648	ZNF43



A_23_P48997	6,39433	5,68523	1,634783968	ENST00000560223	9051	NM_003978	PSTPIP1
A_21_P0007270	5,63099	4,92191	1,634761305	N/A	N/A	N/A	Inc-DDI1-2
A_21_P0012219	5,81165	5,10266	1,634659326	N/A	N/A	N/A	XLOC_I2_009136
A_22_P00012790	4,72195	4,01305	1,634557354	N/A	N/A	N/A	Inc-RALGPS1-1
A_32_P76156	7,49757	6,78876	1,634455388	ENST00000327570	201965	NM_152682	RWDD4
A_33_P3410201	5,3859	4,6771	1,634444059	ENST00000529743	N/A	N/A	N/A
A_24_P35537	7,91483	7,20607	1,634398743	ENST00000309737	79608	NM_024557	RIC3
A_22_P00021011	4,50328	3,7946	1,634308116	ENST00000462792	N/A	BF213757	N/A
A_23_P106042	2,46773	1,75907	1,634285459	ENST00000553750	116173	NM_001037288	CMTM5
A_21_P0000044	10,7208	10,0122	1,634217493	ENST00000621434	256227	NM_001164460	STEAP1B
A_24_P13715	5,67419	4,96563	1,634172183	ENST00000569022	26263	NM_147188	FBXO22
A_24_P341019	11,7212	11,0128	1,633990958	ENST00000379276	29058	NM_001009924	TMEM230
A_23_P73589	14,4897	13,7813	1,633990958	ENST00000360270	4478	NM_002444	MSN
A_33_P3235761	5,08913	4,38077	1,633945655	N/A	284023	NR_024349	LOC284023
A_22_P00008706	3,0311	2,32276	1,633923004	N/A	100128977	NR_024559	MAPT-AS1
A_23_P157607	13,9248	13,2165	1,633877702	ENST00000517546	55174	NM_018142	INTS10
A_21_P0011489	7,38742	6,67913	1,633866377	N/A	N/A	N/A	XLOC_I2_005553
A_23_P1452	3,12373	2,41561	1,633673862	ENST00000277942	64106	NM_022146	NPFFR1
A_33_P3244956	6,87517	6,16721	1,633492692	ENST00000309166	56675	NM_020645	NRIP3
A_23_P26457	5,18096	4,47326	1,633198333	ENST00000482565	3040	NM_000517	HBA2
A_23_P433676	9,70474	8,99711	1,633119092	ENST00000591340	57711	NM_020951	ZNF529
A_33_P3305482	9,38562	8,67816	1,632926664	ENST00000360403	8891	NM_020365	EIF2B3
A_22_P00007533	2,56061	1,85331	1,632745577	N/A	N/A	BC094788	Inc-HADH-1
A_33_P3209696	2,87579	2,16852	1,632711625	N/A	N/A	N/A	N/A
A_23_P89587	3,15353	2,44631	1,632655041	ENST00000290015	7484	NM_003396	WNT9B
A_33_P3257678	11,0688	10,3616	1,632632408	ENST00000369158	333932	NM_001005464	HIST2H3A
A_21_P0012001	2,22017	1,51297	1,632632408	ENST00000420187	N/A	N/A	N/A
A_22_P00020161	5,29796	4,59108	1,632270318	N/A	N/A	N/A	Inc-BAIAP2-1
A_33_P3859499	3,91137	3,20455	1,632202435	ENST00000547175	642426	NR_046104	LOC642426
A_23_P348911	6,16501	5,4583	1,632077991	N/A	100129726	NR_027251	LINC01126
A_21_P0000855	3,02877	2,32214	1,631987492	N/A	100506585	NR_038966	LOC100506585
A_33_P3407529	7,59959	6,89318	1,631738645	ENST00000446477	401399	NM_001174164	PRRT4
A_23_P502627	5,3411	4,63477	1,631648165	ENST00000358697	7789	NM_007156	ZXDA

A_33_P3288364	11,3413	10,635	1,631614236	ENST00000335360	124044	NM_152339	SPATA2L
A_24_P332081	3,76051	3,05426	1,63155769	ENST00000298622	282973	NM_001105521	JAKMIP3
A_21_P0008111	2,58253	1,87644	1,631376754	N/A	N/A	N/A	Inc-DAOA-6
A_33_P3651911	7,27284	6,56682	1,631297601	ENST00000560295	N/A	AK092172	N/A
A_23_P130359	3,08629	2,38052	1,631014943	ENST00000262227	79822	NM_001010000	ARHGAP28
A_33_P3245178	5,87748	5,17176	1,630958418	ENST00000372674	84707	NM_001168399	BEX2
A_33_P3229552	5,06065	4,35497	1,630913198	ENST00000248668	57622	NM_020862	LRFN1
A_21_P0006484	2,51045	1,80495	1,630709728	N/A	N/A	N/A	Inc-CDKL5-1
A_24_P808100	7,75552	7,05009	1,630630607	ENST00000424799	28985	NM_014060	MCTS1
A_22_P00001450	4,30848	3,60307	1,630608002	ENST00000424761	N/A	N/A	N/A
A_33_P3395206	2,23117	1,52579	1,630574095	N/A	N/A	N/A	N/A
A_24_P940776	8,98594	8,28058	1,63055149	ENST00000358731	55814	NM_018429	BDP1
A_21_P0006206	3,51197	2,80675	1,630393268	N/A	N/A	N/A	Inc-RAD23B-7
A_21_P0013168	2,26852	1,56331	1,630381967	N/A	N/A	N/A	XLOC_I2_013267
A_22_P00014754	2,16069	1,45557	1,630280262	ENST00000424612	N/A	AA446035	N/A
A_33_P3290687	9,90277	9,19778	1,630133366	ENST00000376946	64215	NM_022365	DNAJC1
A_33_P3239744	3,17942	2,47448	1,63007687	N/A	150051	XR_109661	LOC150051
A_21_P0012424	2,17484	1,47007	1,629884802	N/A	N/A	N/A	XLOC_I2_010056
A_33_P3333752	3,52171	2,81696	1,629862207	ENST00000409396	440585	XM_005270875	FAM183A
A_21_P0002505	8,57398	7,86924	1,629850909	N/A	N/A	N/A	Inc-C2orf27B-3
A_23_P55107	9,08712	8,3824	1,629828315	ENST00000395544	9706	NM_014683	ULK2
A_33_P3369393	11,1941	10,4895	1,629692755	ENST00000435988	653361	NM_000265	NCF1
A_23_P13338	7,12527	6,42074	1,629613684	ENST00000330574	80789	NM_030628	INTS5
A_21_P0003838	2,67449	1,97005	1,629512027	N/A	N/A	N/A	Inc-AFM-1
A_21_P0006286	2,916	2,21167	1,629387787	N/A	N/A	N/A	Inc-AGTPBP1-3
A_22_P00018162	6,28971	5,58558	1,629161922	ENST00000528090	157381	BC128380	LINC00964
A_23_P250619	9,65449	8,95049	1,629015126	ENST00000517432	79683	NM_153746	ZDHHC14
A_22_P00008731	6,5232	5,81949	1,628687706	ENST00000422519	N/A	AK090932	N/A
A_21_P0007357	3,29382	2,59013	1,628665128	N/A	N/A	N/A	Inc-FTH1-3
A_24_P409230	3,87229	3,16861	1,628653839	ENST00000307322	341276	NM_001004460	OR10A2
A_33_P3262094	2,62681	1,92315	1,628631261	ENST00000524943	219865	NM_001005198	OR8G5
A_33_P3285097	5,02196	4,31836	1,62856353	N/A	N/A	N/A	N/A
A_19_P00320555	7,75652	7,05296	1,628518377	ENST00000519854	101929709	XR_242401	LOC101929709

A_23_P169494	8,00235	7,2989	1,628394214	ENST00000477456	5004	NM_000607	ORM1
A_23_P426809	8,84555	8,14229	1,628179771	ENST00000487682	9826	NM_198236	ARHGEF11
A_33_P3251557	3,78684	3,0836	1,6281572	N/A	N/A	N/A	N/A
A_33_P3352782	8,70556	8,00235	1,628123344	ENST00000261778	79613	NM_024562	TANGO6
A_21_P0008689	2,45439	1,75136	1,627920221	N/A	N/A	N/A	Inc-ARRDC4-4
A_22_P00000474	2,38092	1,67794	1,627863803	N/A	N/A	N/A	Inc-AC092295.7.1-2
A_24_P204238	3,65268	2,94986	1,627683277	ENST00000392885	N/A	N/A	N/A
A_23_P358195	8,92572	8,22292	1,627660713	ENST00000515341	643707	NM_001267536	GOLGA6L4
A_21_P0007235	7,44959	6,74696	1,627468929	N/A	N/A	N/A	Inc-P2RY2-2
A_21_P0002912	2,51574	1,8132	1,627367405	ENST00000482559	N/A	N/A	N/A
A_21_P0002543	5,00157	4,29903	1,627367405	N/A	N/A	N/A	Inc-EPHA4-3
A_21_P0013785	6,89483	6,19236	1,627288447	N/A	N/A	N/A	XLOC_I2_015585
A_21_P0013573	5,44362	4,7412	1,62723205	N/A	101928195	XR_252557	LOC101928195
A_23_P422778	2,48544	1,78305	1,627198213	ENST00000344462	3785	NM_004518	KCNQ2
A_23_P74887	5,28427	4,5819	1,627175655	ENST00000336798	9672	NM_014654	SDC3
A_33_P3312301	4,91277	4,21072	1,626814776	ENST00000612548	11113	NM_001206999	CIT
A_21_P0000936	2,67385	1,97214	1,62643143	ENST00000418557	101927851	NR_125945	LOC101927851
A_24_P683861	4,11438	3,41278	1,626307426	ENST00000518307	N/A	AB067383	N/A
A_33_P3793702	8,32812	7,6266	1,626217246	ENST00000530549	157381	NR_027321	LINC00964
A_24_P398147	8,93331	8,2318	1,626205974	ENST00000377159	10529	NM_006393	NEBL
A_33_P3876591	4,21756	3,51608	1,626172159	N/A	677842	CD050382	SNORA76C
A_33_P3256957	3,9819	3,28053	1,626048174	N/A	N/A	BC040680	N/A
A_33_P3227010	2,81594	2,11459	1,626025632	N/A	N/A	N/A	N/A
A_21_P0012186	4,44618	3,74495	1,625890389	N/A	N/A	N/A	XLOC_I2_009139
A_23_P413815	10,5504	9,84918	1,625879119	ENST00000360768	154807	NM_173517	VKORC1L1
A_22_P00001076	3,68202	2,98082	1,62585658	ENST00000559755	N/A	N/A	N/A
A_19_P00809029	4,81912	4,11803	1,625732619	ENST00000471912	87769	NM_001195087	GGACT
A_24_P65722	4,30422	3,60327	1,625574865	ENST00000617098	11006	NM_001278426	LILRB4
A_33_P3296707	8,34523	7,64429	1,625563597	ENST00000391440	441518	NM_001078173	FAM127C
A_23_P140190	2,21744	1,51658	1,625473459	ENST00000612938	9834	NR_026800	KIAA0125
A_22_P00010332	2,34808	1,6473	1,625383326	N/A	N/A	N/A	Inc-MYB-4
A_33_P3364023	2,49293	1,79218	1,625349528	ENST00000624951	388820	XR_172345	LOC388820
A_21_P0005673	8,73018	8,02947	1,625304464	N/A	389641	NR_033928	LOC389641

A_33_P3310377	2,48191	1,78136	1,625124222	ENST00000318749	127623	NM_001004492	OR2B11
A_33_P3401243	5,0541	4,3536	1,625067901	ENST00000367938	25903	NM_001297713	OLFML2B
A_22_P00004761	4,64415	3,94373	1,624977779	N/A	N/A	N/A	Inc-CTTN-1
A_33_P3419912	6,17722	5,47681	1,624966527	ENST00000447901	79017	NM_001199815	GGCT
A_23_P7679	11,37	10,6696	1,624955264	ENST00000381843	9631	NM_153485	NUP155
A_23_P54041	7,70098	7,0006	1,624932737	ENST00000404535	79178	NM_024328	THTPA
A_22_P00019723	2,79417	2,09391	1,624797585	N/A	N/A	N/A	Inc-SPTBN5-2
A_22_P00019484	4,98848	4,28829	1,624718751	N/A	N/A	N/A	Inc-MARVELD3-1
A_33_P3399943	4,51721	3,81703	1,624707489	ENST00000366865	6196	NM_021135	RPS6KA2
A_22_P00023378	2,67919	1,97903	1,624684966	ENST00000498745	340348	NM_178562	TSPAN33
A_23_P207967	8,91111	8,21113	1,624482272	ENST00000256413	9811	NM_014772	CTIF
A_33_P3416767	9,85362	9,15366	1,624459753	ENST00000392366	4097	NM_032711	MAFG
A_21_P0010995	7,25916	6,5592	1,624459753	N/A	N/A	N/A	XLOC_I2_002441
A_21_P0002875	2,74416	2,04439	1,624245829	N/A	N/A	N/A	Inc-RP11-723O4.6.1-1
A_22_P00012401	8,28258	7,58289	1,624155764	N/A	N/A	N/A	Inc-PRKD1-2
A_22_P00020169	3,4827	2,78307	1,624088218	N/A	N/A	N/A	Inc-ZNF613-2
A_33_P3209200	3,54618	2,84657	1,624065704	ENST00000564670	N/A	XR_433069	N/A
A_33_P3326914	8,34016	7,64057	1,62404319	ENST00000378078	9827	NM_001080496	RGP1
A_33_P3241184	7,79478	7,09525	1,623975649	N/A	N/A	N/A	N/A
A_23_P255215	10,486	9,78658	1,623851832	ENST00000297157	6100	NM_203288	RP9
A_23_P117694	3,54151	2,84213	1,62380681	ENST00000543950	10391	NM_006091	CORO2B
A_21_P0003871	5,72209	5,02274	1,623773044	N/A	N/A	N/A	Inc-ZFP42-7
A_33_P3288104	3,64123	2,94191	1,623739279	ENST00000405961	23500	BC078153	DAAM2
A_22_P00016122	2,10179	1,40282	1,623345405	N/A	N/A	N/A	Inc-TIGD1-1
A_33_P3303742	3,53776	2,83887	1,62325539	ENST00000439905	N/A	XR_427719	N/A
A_33_P3334162	7,5952	6,89634	1,623221636	N/A	N/A	N/A	N/A
A_21_P0009995	4,60596	3,90713	1,623187882	N/A	N/A	N/A	Inc-CSNK2A1-1
A_24_P944040	10,5532	9,85448	1,623064125	ENST00000470886	23076	NM_015056	RRP1B
A_33_P3257457	6,77924	6,08052	1,623064125	ENST00000242310	138474	NM_153809	TAF1L
A_21_P0008134	5,524	4,82543	1,622895381	N/A	N/A	N/A	Inc-CDX2-1
A_23_P67864	12,5119	11,8134	1,622816639	ENST00000405392	109	NM_004036	ADCY3
A_23_P363399	14,317	13,6185	1,622816639	ENST00000439706	81539	NM_030674	SLC38A1
A_23_P29735	3,65297	2,95462	1,62264792	ENST00000296452	8927	NM_003458	BSN

A_23_P130194	15,0273	14,3291	1,622479219	ENST00000619204	5831	NM_006907	PYCR1
A_22_P00009549	2,93016	2,23208	1,622344271	N/A	N/A	N/A	Inc-MAP3K12-1
A_21_P0014902	5,83483	5,13678	1,622310535	N/A	N/A	N/A	N/A
A_22_P00006020	3,97435	3,27631	1,62229929	N/A	100132273	NR_034118	NDUFA6-AS1
A_21_P0012435	2,17063	1,4727	1,622175601	ENST00000502417	101927565	N/A	LINC01267
A_33_P3262156	5,56206	4,86413	1,622175601	ENST00000403092	6546	NM_021097	SLC8A1
A_22_P00025549	5,45139	4,7535	1,622130625	N/A	N/A	N/A	Inc-NEDD4L-2
A_33_P3249434	8,29009	7,59225	1,622074407	N/A	9373	NM_001031689	PLAA
A_22_P00004185	2,84463	2,14681	1,622051921	N/A	101927795	NR_110275	LOC101927795
A_23_P127652	7,73317	7,0354	1,621995706	ENST00000336139	7753	NM_003455	ZNF202
A_22_P00023419	4,99801	4,30028	1,621950735	N/A	N/A	N/A	Inc-SHANK2-6
A_33_P3380502	2,43837	1,74072	1,621860798	ENST00000297146	54329	NM_001146265	GPR85
A_23_P205900	2,82251	2,1249	1,621815831	ENST00000360948	4916	NM_001012338	NTRK3
A_23_P43164	3,91041	3,21283	1,621782106	ENST00000531512	23213	NM_015170	SULF1
A_23_P81369	2,33685	1,63935	1,621692178	ENST00000517951	8728	NM_033274	ADAM19
A_23_P7761	10,3874	9,69	1,621579775	ENST00000510659	55322	NM_018356	C5orf22
A_21_P0007711	2,53125	1,83387	1,621557295	N/A	N/A	N/A	Inc-STAT6-1
A_22_P00015384	3,95566	3,25841	1,621411185	ENST00000510964	N/A	N/A	N/A
A_22_P00018125	2,47282	1,77575	1,621208899	N/A	414208	NR_047558	ZNF32-AS2
A_22_P00021743	7,82063	7,12357	1,621197662	N/A	N/A	BI831319	Inc-C15orf57-1
A_23_P3911	2,82019	2,1232	1,621119003	ENST00000461225	57125	NM_020405	PLXDC1
A_21_P0014499	4,13172	3,4348	1,621040348	ENST00000443092	100506680	NR_103450	SACS-AS1
A_22_P00024133	3,39114	2,69424	1,621017875	N/A	N/A	DB025369	Inc-RBM6-1
A_23_P211207	10,9754	10,2786	1,620905519	ENST00000437626	104	NM_001112	ADARB1
A_33_P3357653	6,97881	6,28209	1,620815639	ENST00000585853	56984	AK095621	PSMG2
A_21_P0003646	2,16866	1,47211	1,620624662	N/A	100996941	N/A	IL21-AS1
A_23_P502371	10,8385	10,142	1,620568496	ENST00000610682	5253	NM_005392	PHF2
A_23_P259172	15,0049	14,3084	1,620568496	ENST00000482902	6748	NM_006280	SSR4
A_23_P73530	11,8843	11,1879	1,620456171	ENST00000488357	8776	NM_003828	MTMR1
A_22_P00009984	3,64442	2,9481	1,620366316	N/A	N/A	N/A	Inc-MKRN2-AS1-1
A_23_P34946	6,56949	5,87323	1,620298928	ENST00000491415	27042	NM_014388	DIEXF
A_33_P3342260	4,5056	3,80938	1,620254005	ENST00000345378	2645	NM_000162	GCK
A_23_P10194	14,1071	13,4109	1,620231543	ENST00000617533	26470	NM_201575	SEZ6L2

A_24_P181585	12,7237	12,0275	1,620231543	ENST00000225972	55379	NM_018509	LRR59
A_33_P3383626	2,13161	1,43561	1,620006947	ENST00000600684	N/A	N/A	N/A
A_33_P3327852	8,40668	7,71078	1,619894661	ENST00000402554	81565	NM_030808	NDEL1
A_22_P00000633	2,64734	1,95145	1,619883433	N/A	N/A	BX090406	Inc-ACSBG1-1
A_24_P295330	5,1678	4,47197	1,619816065	ENST00000375172	158427	NM_139246	TSTD2
A_21_P0002360	2,69084	1,99504	1,619782382	N/A	N/A	N/A	Inc-CCDC140-5
A_22_P00006088	2,09187	1,39614	1,619703792	ENST00000513759	100505685	XR_109847	LOC100505685
A_21_P0001620	3,64189	2,94624	1,619613979	N/A	N/A	N/A	Inc-BATF3-2
A_24_P278126	10,3634	9,6678	1,619557848	ENST00000396252	4683	NM_002485	NBN
A_23_P37391	12,2238	11,5283	1,619445593	ENST00000380243	317762	NM_001144995	CCDC85C
A_33_P3230161	2,35897	1,66365	1,619243553	ENST00000323661	2891	NM_000826	GRIA2
A_33_P3399638	5,17697	4,48169	1,619198659	ENST00000435820	113835	NM_033468	ZNF257
A_23_P250564	8,99442	8,2992	1,619131319	ENST00000306156	5581	NM_005400	PRKCE
A_19_P00315627	4,53717	3,84207	1,61899665	N/A	101930053	XR_428440	LOC101930053
A_33_P3357753	8,03399	7,33891	1,618974206	N/A	728190	NR_024397	NUTM2A-AS1
A_24_P384755	6,05467	5,35966	1,618895654	ENST00000381685	79954	NM_024894	NOL10
A_22_P00022835	2,75125	2,05628	1,61885077	N/A	101929770	XR_242026	LOC101929770
A_33_P3342792	7,32761	6,63266	1,618828328	N/A	N/A	N/A	N/A
A_22_P00023486	2,72265	2,02779	1,618727343	ENST00000578427	101927150	NR_110765	L3MBTL4-AS1
A_23_P218608	10,3069	9,61205	1,618716123	ENST00000470023	9669	NM_015904	EIF5B
A_21_P0013338	5,49854	4,80373	1,618671243	N/A	N/A	N/A	XLOC_I2_013931
A_23_P93641	15,2417	14,5469	1,618660024	ENST00000359579	57016	NM_020299	AKR1B10
A_23_P151805	5,35996	4,66525	1,618559049	ENST00000267620	10516	NM_006329	FBLN5
A_33_P3401711	12,0659	11,3715	1,618211298	ENST00000614341	124590	NM_173477	USH1G
A_23_P15734	7,02992	6,33562	1,618099136	ENST00000246662	3857	NM_000226	KRT9
A_23_P65558	11,3577	10,6634	1,618099136	ENST00000305386	4247	NM_002408	MGAT2
A_24_P127192	4,28735	3,59311	1,618031843	ENST00000454986	N/A	N/A	N/A
A_23_P165879	13,9591	13,2649	1,617986982	ENST00000264710	10890	NM_016131	RAB10
A_21_P0005990	4,22689	3,53283	1,617829979	ENST00000415801	100506834	NR_049794	LOC100506834
A_21_P0000762	4,12489	3,43086	1,617796338	N/A	282763	NR_038321	OR51B5
A_32_P142652	16,4445	15,7505	1,617762697	ENST00000595905	N/A	AK091931	N/A
A_22_P00021899	2,41993	1,72595	1,61774027	ENST00000429389	N/A	N/A	N/A
A_21_P0010417	4,40429	3,71051	1,617516019	N/A	N/A	N/A	Inc-SYNGR1-2

A_33_P3322769	2,05285	1,35913	1,61744875	ENST00000322013	81282	NM_001005238	OR51G2
A_21_P0000018	5,25127	4,55763	1,617359062	ENST00000576830	6462	NM_001146281	SHBG
A_21_P0011452	5,03759	4,344	1,61730301	ENST00000568395	100507321	N/A	ERVK13-1
A_33_P3323481	8,00054	7,307	1,617246959	ENST00000368276	100527963	NM_001199662	PMF1-BGLAP
A_33_P3315510	4,32017	3,62663	1,617246959	N/A	23294	BC031934	ANKS1A
A_21_P0006095	3,45928	2,76574	1,617246959	ENST00000457720	101928579	XR_242662	LOC101928579
A_33_P3286196	2,94642	2,25298	1,617134864	ENST00000398477	728279	NM_033032	KRTAP2-2
A_33_P3619171	12,8807	12,1873	1,617090028	ENST00000316660	5366	NM_021127	PMAIP1
A_22_P00006508	2,4047	1,71134	1,617045193	N/A	102723716	XR_426296	LOC102723716
A_23_P215214	7,85995	7,16668	1,61694432	ENST00000353442	64327	NM_022458	LMBR1
A_32_P511713	6,22978	5,53658	1,616865867	ENST00000316375	160298	NM_173525	C11orf42
A_33_P3422802	8,56299	7,86985	1,616798625	ENST00000229708	80329	NM_025218	ULBP1
A_22_P00015477	2,85495	2,16185	1,616753799	N/A	N/A	DB051383	Inc-STAG1-2
A_22_P00000431	2,66948	1,9764	1,616731386	ENST00000441928	N/A	BG431189	N/A
A_24_P328872	7,78064	7,08766	1,616619326	ENST00000280326	22948	NM_012073	CCT5
A_21_P0000359	8,80535	8,11256	1,616406435	N/A	677840	NR_003018	SNORA71D
A_22_P00005088	4,98252	4,29005	1,616047944	N/A	N/A	N/A	Inc-DGAT2-1
A_22_P00013894	5,11585	4,42362	1,615779128	N/A	414765	NR_044997	HCG25
A_21_P0012789	4,05533	3,36311	1,615767929	ENST00000509983	N/A	N/A	N/A
A_23_P336612	3,39498	2,70278	1,61574553	ENST00000286732	161502	NM_173528	C15orf26
A_33_P3363153	12,4982	11,8061	1,615633539	ENST00000470551	80331	NM_025219	DNAJC5
A_23_P97700	16,9648	16,2728	1,615521555	ENST00000582401	10628	NM_006472	TXNIP
A_23_P71368	2,25673	1,56473	1,615521555	ENST00000220676	6101	NM_006269	RP1
A_23_P32404	14,1861	13,4942	1,61540958	ENST00000558942	3669	NM_002201	ISG20
A_33_P3232006	10,888	10,1961	1,61540958	ENST00000369660	8266	NM_014235	UBL4A
A_21_P0011066	2,13994	1,44804	1,61540958	N/A	N/A	N/A	XLOC_I2_003178
A_33_P3660204	3,75651	3,06477	1,615230435	ENST00000505663	340073	NR_037895	C5orf66-AS2
A_21_P0006884	5,99927	5,30755	1,615208043	N/A	N/A	N/A	Inc-EIF5AL1-1
A_23_P129334	9,63142	8,93995	1,614928173	ENST00000565092	1186	NM_001287	CLCN7
A_24_P863775	2,78468	2,09321	1,614928173	ENST00000356458	400954	NM_001039753	EML6
A_23_P104689	11,6692	10,9778	1,614849818	ENST00000531484	5970	NM_021975	RELA
A_23_P128613	7,39224	6,70091	1,614771467	ENST00000484943	79070	NM_024089	KDELC1
A_33_P3258324	6,96532	6,27405	1,614704312	ENST00000589345	102724279	NM_001302493	LOC102724279

A_21_P0001618	4,30001	3,60879	1,614648352	N/A	N/A	N/A	Inc-TMEM206-4
A_23_P145197	11,5481	10,8569	1,614625968	ENST00000372996	705	NM_004053	BYSL
A_22_P00006130	3,15898	2,46788	1,614514055	ENST00000527364	N/A	BX112034	N/A
A_33_P3217218	9,91565	9,22456	1,614502864	N/A	55326	NM_018361	AGPAT5
A_33_P3270384	15,8196	15,1289	1,614066478	ENST00000309318	26472	NM_138689	PPP1R14B
A_33_P3273444	12,3578	11,6672	1,613954604	ENST00000369294	N/A	XM_005272927	N/A
A_23_P360874	12,7137	12,0232	1,613842737	ENST00000473880	222229	NM_152892	LRWD1
A_33_P3342561	5,0839	4,39351	1,613719692	ENST00000262483	83394	NM_031220	PITPNM3
A_33_P3294446	5,88114	5,19087	1,613585472	ENST00000403668	79618	NM_024567	HMBOX1
A_24_P239076	7,54976	6,85972	1,613328249	ENST00000412472	3543	NM_020070	IGLL1
A_33_P3227209	15,6226	14,9326	1,613283518	ENST00000303305	5036	NM_006191	PA2G4
A_23_P126727	9,99755	9,30763	1,613194061	ENST00000377705	79707	NM_024654	NOL9
A_22_P00002325	4,3055	3,6156	1,613171698	N/A	N/A	HY019774	Inc-C11orf58-1
A_21_P0005731	6,1079	5,41807	1,613093428	N/A	N/A	N/A	Inc-CHMP4C-3
A_22_P00025899	3,38142	2,6918	1,612858642	ENST00000434973	N/A	AL120387	N/A
A_22_P00025868	2,5542	1,8647	1,612724494	N/A	N/A	DB457776	Inc-ZNF423-3
A_21_P0000454	3,90014	3,21066	1,612702137	N/A	100033821	NR_003360	SNORD116-29
A_32_P107002	5,2226	4,53321	1,612601534	ENST00000603801	92017	NM_032167	SNX29
A_33_P3299634	5,28137	4,59208	1,612489761	ENST00000373684	392390	AB529307	OR1L6
A_23_P215175	11,888	11,1988	1,612389172	ENST00000222388	10061	NM_005692	ABCF2
A_22_P00012620	2,34288	1,65376	1,612299765	N/A	N/A	AI634253	Inc-PTPRZ1-4
A_33_P3372640	4,81152	4,12242	1,612277414	ENST00000537226	101060200	NM_001277291	ZNF891
A_22_P00023677	2,61433	1,92536	1,612132139	ENST00000556021	N/A	XR_433584	N/A
A_32_P163125	9,30951	8,62054	1,612132139	ENST00000361781	259230	NM_147156	SGMS1
A_22_P00021901	2,53249	1,84357	1,612076268	N/A	N/A	N/A	Inc-IFIT2-1
A_21_P0008851	7,90745	7,21859	1,612009225	N/A	N/A	N/A	Inc-ITGA11-2
A_24_P56837	8,41945	7,7309	1,611662881	ENST00000293414	92591	NM_080863	ASB16
A_33_P3610123	9,84573	9,15718	1,611662881	ENST00000409681	25885	NM_015425	POLR1A
A_24_P88031	9,45842	8,76991	1,611618197	ENST00000331434	65265	NM_023080	C8orf33
A_24_P67929	7,66207	6,97367	1,611495322	ENST00000549574	54934	NM_017822	KANSL2
A_33_P3306854	2,88193	2,19366	1,611350118	ENST00000378417	400553	XR_109336	LOC400553
A_23_P325676	7,46555	6,77732	1,611305442	ENST00000590548	115950	NM_138783	ZNF653
A_23_P130689	11,7335	11,0453	1,611271936	ENST00000590700	84337	NM_032377	ELOF1



A_23_P94736	10,7446	10,0564	1,611271936	ENST00000467674	27090	NM_175039	ST6GALNAC4
A_23_P436353	10,6066	9,91866	1,610981582	ENST00000392112	4301	NM_001291964	MLLT4
A_22_P00000679	3,93088	3,24297	1,610948083	N/A	N/A	AK090842	Inc-ADA-1
A_21_P0011662	2,53701	1,84914	1,610903418	ENST00000591469	647946	N/A	LINC00669
A_21_P0013316	2,78207	2,09423	1,610869921	N/A	N/A	N/A	XLOC_I2_013868
A_21_P0011270	2,1852	1,49737	1,610858755	N/A	N/A	N/A	XLOC_I2_004385
A_33_P3370692	2,12758	1,43983	1,610769433	ENST00000498134	N/A	N/A	N/A
A_19_P00803685	11,464	10,7763	1,610713609	ENST00000607560	651746	N/A	ANKRD33B
A_22_P00023623	3,27323	2,58554	1,610702444	N/A	101927862	NR_109894	CTB-178M22.2
A_23_P114585	2,08559	1,39791	1,61069128	ENST00000324142	80003	AK021445	PCNXL2
A_21_P0009473	3,57742	2,88993	1,610479169	N/A	N/A	N/A	Inc-KIAA1328-1
A_24_P286569	4,4886	3,8013	1,610267086	ENST00000254770	55915	NM_018697	LANCL2
A_21_P0013751	4,88945	4,20222	1,610188957	N/A	N/A	N/A	XLOC_I2_015441
A_33_P3291092	4,77449	4,08731	1,610133153	ENST00000349258	55901	NM_199263	THSD1
A_23_P122796	7,64057	6,95345	1,610066191	ENST00000318787	51020	NM_016063	HDDC2
A_22_P00000803	2,18039	1,49342	1,609898798	N/A	N/A	BI561922	Inc-AF127577.1-2
A_22_P00000578	6,38741	5,70045	1,609887639	ENST00000568893	N/A	N/A	N/A
A_21_P0005722	2,71093	2,02399	1,609865321	N/A	101926947	XR_426333	NCRNA00249
A_23_P429449	2,10613	1,41922	1,609831846	ENST00000268459	85407	NM_033119	NKD1
A_19_P00807545	4,90027	4,21339	1,60979837	ENST00000609513	N/A	N/A	N/A
A_23_P353125	6,88448	6,19763	1,609764896	ENST00000350221	161835	NM_152597	FSIP1
A_33_P3235029	6,46165	5,77491	1,609642162	ENST00000555016	N/A	DR731407	N/A
A_32_P143000	5,30456	4,61785	1,609608691	ENST00000261275	23359	NM_015307	FAM189A1
A_23_P131771	10,9434	10,2569	1,609374412	ENST00000474176	7165	NM_199360	TPD52L2
A_22_P00017651	4,60666	3,92021	1,609318636	N/A	N/A	N/A	Inc-WRAP73-2
A_23_P23292	2,31811	1,63166	1,609318636	ENST00000470566	6258	NM_006917	RXRG
A_33_P3252326	6,08683	5,40072	1,608939413	ENST00000438107	N/A	N/A	N/A
A_33_P3212839	12,4446	11,7585	1,60892826	ENST00000428976	N/A	N/A	N/A
A_33_P3213408	2,4717	1,7857	1,608816742	ENST00000310248	121275	NM_001004134	OR10AD1
A_33_P3366053	4,42177	3,73583	1,608749834	ENST00000478399	141	NM_001125	ADPRH
A_33_P3225378	3,18954	2,50374	1,608593728	ENST00000303532	26533	NM_001005465	OR10G3
A_33_P3520738	7,6323	6,94657	1,60851568	ENST00000425668	100289650	NR_036584	LOC100289650
A_33_P3310718	3,46523	2,77984	1,608136646	N/A	664618	NR_073415	HSP90AB4P

A_22_P00025837	3,06135	2,37596	1,608136646	N/A	N/A	N/A	Inc-NSA2-1
A_23_P14184	12,0054	11,3202	1,607924872	ENST00000258613	55901	NM_018676	THSD1
A_21_P0006761	3,6681	2,98293	1,607891436	N/A	N/A	N/A	Inc-MBL2-5
A_23_P90089	10,5876	9,90245	1,607869146	ENST00000585420	2639	NM_013976	GCDH
A_21_P0000719	3,19058	2,50548	1,607813423	ENST00000614093	100616530	NR_038201	C8orf37-AS1
A_22_P00004267	2,30632	1,62122	1,607813423	ENST00000520649	N/A	BU596066	N/A
A_19_P00317034	7,10198	6,41689	1,607802278	ENST00000515286	N/A	N/A	N/A
A_33_P3273369	4,83234	4,14733	1,607713125	ENST00000409212	23677	NM_014521	SH3BP4
A_33_P3223172	2,2222	1,5372	1,607701981	ENST00000558110	102724034	XR_429583	LOC102724034
A_22_P00024660	6,87697	6,19201	1,607657407	N/A	N/A	N/A	Inc-HDDC2-3
A_21_P0014115	9,87975	9,19479	1,607657407	N/A	N/A	AK129526	N/A
A_33_P3289123	3,04049	2,35558	1,607601691	ENST00000416516	85443	NM_033403	DCLK3
A_24_P206343	3,3627	2,67796	1,60741227	ENST00000488554	64005	NM_033054	MYO1G
A_21_P0007632	3,557	2,87244	1,607211732	N/A	N/A	N/A	Inc-RP11-116D17.1.1-5
A_23_P22548	9,97135	9,28684	1,607156031	ENST00000357749	1121	NM_000390	CHM
A_33_P3297050	8,86309	8,17879	1,606922109	ENST00000238477	85365	NM_033087	ALG2
A_22_P00006571	6,33624	5,65199	1,606866418	N/A	N/A	BX088994	Inc-FMN1-3
A_24_P40529	7,22948	6,54538	1,606699358	ENST00000334398	55217	NM_018196	TMLHE
A_33_P3320301	15,1484	14,4644	1,606587994	ENST00000435844	388789	NR_015432	LINC00493
A_23_P362046	10,9517	10,2677	1,606587994	ENST00000376019	93081	NM_138779	TEX30
A_32_P12580	7,85202	7,16805	1,606554586	ENST00000356825	4087	NM_001003652	SMAD2
A_23_P22672	10,9119	10,228	1,606476637	ENST00000624161	79868	NM_001257231	ALG13
A_22_P00015871	2,05667	1,37296	1,606265081	ENST00000442323	N/A	N/A	N/A
A_33_P3286112	2,36304	1,67934	1,606253948	ENST00000590052	N/A	N/A	N/A
A_33_P3362631	9,8188	9,13519	1,606153747	ENST00000511493	60558	NM_021927	GUF1
A_23_P24234	5,50417	4,82071	1,605986761	ENST00000372071	94233	NM_001030015	OPN4
A_21_P0001542	2,98217	2,29903	1,605630581	N/A	N/A	N/A	Inc-GBP5-3
A_24_P373126	8,36879	7,68584	1,605419137	ENST00000389749	115708	NM_152307	TRMT61A
A_23_P1523	12,1174	11,4345	1,605363498	ENST00000308831	29984	NM_014578	RHOD
A_33_P3233328	2,40856	1,72588	1,605118711	ENST00000316650	120796	NM_001001917	OR56A1
A_22_P00011905	5,18799	4,50533	1,60509646	N/A	N/A	N/A	Inc-PIK3R1-3
A_23_P350574	8,88972	8,20714	1,605007457	ENST00000495397	127943	NM_001002901	FCRLB
A_24_P357266	2,50396	1,82141	1,604974082	ENST00000380289	2925	NM_005314	GRPR

A_23_P171223	7,68006	6,99764	1,604829466	ENST00000320339	63932	NM_022101	CXorf56
A_33_P3356711	9,70576	9,02344	1,604718231	ENST00000339121	54556	NM_198267	ING3
A_22_P00025475	2,20079	1,51859	1,60458476	ENST00000549742	N/A	N/A	N/A
A_33_P3398091	8,22573	7,54356	1,604551394	ENST00000453372	54811	NM_001130031	ZNF562
A_33_P3212575	7,99546	7,31344	1,604384574	ENST00000346199	4826	NM_005386	NNAT
A_23_P398172	8,09914	7,41716	1,604340092	ENST00000361499	57579	NM_020819	FAM135A
A_23_P94998	9,49279	8,8109	1,604240011	ENST00000302787	3954	NM_012318	LETM1
A_21_P0014529	7,14987	6,46805	1,604162175	N/A	N/A	AK097323	N/A
A_32_P219368	10,4484	9,76664	1,604095461	ENST00000337387	9589	NM_152858	WTAP
A_23_P208747	2,39586	1,71415	1,604039868	ENST00000008938	8993	NM_005091	PGLYRP1
A_23_P377629	2,11162	1,42994	1,604006513	ENST00000324915	645961	NM_001166137	SPATA31C2
A_21_P0005137	2,23029	1,54863	1,603984277	N/A	N/A	N/A	Inc-C6orf115-1
A_23_P146728	11,2408	10,5592	1,603917571	ENST00000319033	85365	NM_033087	ALG2
A_33_P3389168	2,14406	1,46266	1,603695236	ENST00000370393	4534	N/A	MTM1
A_22_P00009736	2,31138	1,63001	1,603661888	ENST00000556923	100506433	N/A	LINC00648
A_33_P3349947	10,5491	9,86773	1,603661888	ENST00000321394	6950	NM_030752	TCP1
A_33_P3332474	3,15552	2,47432	1,603472932	ENST00000618455	283767	NM_001001413	GOLGA6L1
A_23_P44849	6,42154	5,74047	1,603328451	ENST00000563955	253980	NM_178863	KCTD13
A_19_P00326808	5,18936	4,50831	1,603306224	N/A	100124700	NR_047517	HOTAIR
A_21_P0009134	4,95728	4,27646	1,603050639	N/A	N/A	N/A	Inc-CLEC18B-1
A_23_P92261	12,2121	11,5313	1,603028416	ENST00000324557	9718	NM_032331	ECE2
A_21_P0007447	4,33459	3,65379	1,603028416	N/A	N/A	N/A	Inc-PIWIL4-4
A_21_P0008458	3,21572	2,53498	1,60296175	N/A	102724015	XR_424539	LOC102724015
A_33_P3239087	5,52055	4,83983	1,602939528	ENST00000330148	157693	NR_103537	FAM87A
A_23_P3368	7,39559	6,7149	1,602906196	ENST00000618099	5045	NM_002569	FURIN
A_32_P219148	7,05847	6,37781	1,602872865	N/A	N/A	BC030211	Inc-LONRF1-2
A_21_P0006958	2,74763	2,06701	1,602828425	N/A	N/A	N/A	Inc-AKR1C2-3
A_23_P4662	14,6246	13,944	1,602806205	ENST00000164227	602	NM_005178	BCL3
A_24_P129341	15,3101	14,6296	1,602695111	ENST00000359579	57016	NM_020299	AKR1B10
A_21_P0013414	6,34233	5,66186	1,602661784	ENST00000451792	101927630	N/A	LOC101927630
A_21_P0014862	9,57421	8,89378	1,602617349	N/A	N/A	N/A	N/A
A_23_P202496	10,9187	10,2383	1,602584024	ENST00000371361	64318	NM_022451	NOC3L
A_24_P310756	10,2932	9,61287	1,602506268	ENST00000366862	23219	NM_015176	FBXO28

A_23_P58529	12,6328	11,9526	1,602361874	ENST00000199320	27292	NM_014473	DIMT1
A_24_P174613	9,30151	8,62137	1,602295235	ENST00000263981	55294	NM_033632	FBXW7
A_21_P0008401	2,06426	1,38413	1,602284129	N/A	N/A	N/A	Inc-RP11-982M15.6.1-2
A_24_P256692	6,9286	6,24856	1,602184177	ENST00000344922	375056	NM_198551	MIA3
A_33_P3317589	4,89244	4,21242	1,602161966	ENST00000290417	64096	NM_145762	GFRA4
A_23_P30223	9,70049	9,02056	1,602062021	ENST00000510531	6715	NM_001047	SRD5A1
A_23_P211504	9,81815	9,13823	1,602050916	ENST00000409006	11015	NM_016657	KDELR3
A_33_P3396972	4,68381	4,00394	1,601995394	N/A	N/A	AK094477	N/A
A_23_P23296	9,31376	8,63404	1,60182884	ENST00000477817	5317	NM_000299	PKP1
A_23_P346390	2,39041	1,71105	1,601429181	ENST00000477281	79742	NM_176819	CXorf36
A_23_P15727	12,3836	11,7043	1,601362581	ENST00000489591	60681	NM_021939	FKBP10
A_33_P3211924	13,0257	12,3467	1,601029621	ENST00000262241	23186	NM_015156	RCOR1
A_33_P3258557	3,63406	2,9551	1,600985232	ENST00000622202	100288527	NR_003594	REXO1L2P
A_21_P0009287	8,81176	8,13289	1,60088536	N/A	N/A	N/A	Inc-FSCN2-1
A_21_P0010578	8,08618	7,40738	1,600807687	N/A	101926980	XR_431358	LOC101926980
A_33_P3216746	2,49861	1,81989	1,600718922	ENST00000507625	23284	NM_015236	LPHN3
A_23_P408830	10,5119	9,83325	1,600641256	ENST00000446440	10645	NM_172215	CAMKK2
A_22_P00008841	2,0953	1,41668	1,600607972	ENST00000426811	N/A	N/A	N/A
A_33_P3360565	3,85463	3,17602	1,600596878	ENST00000296600	133923	AY461732	ZNF474
A_23_P373079	11,756	11,0775	1,600474843	ENST00000300146	219988	NM_152716	PATL1
A_33_P3327462	3,51237	2,83403	1,600297354	ENST00000511388	66000	NM_023943	TMEM108
A_23_P436158	2,35	1,67171	1,600241893	ENST00000357947	7093	NM_012465	TLL2
A_24_P361427	2,63807	1,95993	1,600075521	ENST00000582511	26083	NM_015594	TBC1D29
A_19_P00319900	6,63142	5,95331	1,600042249	ENST00000509244	N/A	N/A	N/A
A_24_P58337	18,2363	17,5582	1,600031159	ENST00000466086	2495	NM_002032	FTH1
A_23_P115046	8,67132	7,99324	1,600008978	ENST00000497010	8891	NM_020365	EIF2B3
A_21_P0014518	7,3206	6,64259	1,599931347	N/A	N/A	N/A	N/A
A_22_P00006181	2,42904	1,75107	1,599886988	N/A	101929756	XR_252147	LOC101929756
A_32_P447001	4,14447	3,46656	1,599820452	ENST00000570794	145788	NM_001198784	C15orf65
A_21_P0004338	2,42299	1,74514	1,599753918	N/A	N/A	N/A	Inc-BNIP1-2
A_23_P154938	11,9663	11,2885	1,599698476	ENST00000263208	7290	NM_003325	HIRA
A_21_P0008042	2,05112	1,37344	1,599565422	N/A	N/A	N/A	Inc-USPL1-2
A_33_P3542886	3,34585	2,6682	1,599532161	N/A	100126780	BU536871	SNAR-G1

A_22_P00011181	4,13597	3,45839	1,599454553	N/A	N/A	N/A	Inc-OGFOD1-1
A_24_P206758	9,23784	8,56037	1,599332605	ENST00000526702	29907	NM_013306	SNX15
A_19_P00318519	4,67652	3,99906	1,599321519	N/A	N/A	N/A	N/A
A_33_P3221753	2,24616	1,56911	1,598867072	ENST00000525295	387601	NM_199352	SLC22A25
A_33_P3359856	7,20089	6,52398	1,598711925	ENST00000430381	N/A	XM_005263742	N/A
A_23_P365738	2,4288	1,75192	1,598678681	ENST00000356613	23237	NM_015193	ARC
A_21_P0003243	8,07166	7,39484	1,598612195	N/A	N/A	N/A	Inc-EPHA6-1
A_21_P0000666	8,54537	7,86863	1,598523552	ENST00000622602	100129361	NM_001271592	LOC100129361
A_33_P3808996	12,0652	11,3885	1,598479232	ENST00000552918	65244	NM_023071	SPATS2
A_33_P3411328	2,11954	1,44293	1,598379517	ENST00000425698	730227	NR_034151	LINC01136
A_21_P0000803	2,27455	1,598	1,598313043	ENST00000425974	100506474	NR_038434	LOC100506474
A_23_P88209	12,9523	12,276	1,598036101	ENST00000311943	23256	NM_016106	SCFD1
A_24_P128442	8,43685	7,76072	1,597847807	ENST00000207157	6913	NM_152380	TBX15
A_21_P0010379	2,17583	1,49975	1,597792431	N/A	N/A	N/A	Inc-RFPL3-AS1-1
A_33_P3231262	4,59224	3,91621	1,597737057	N/A	257396	NR_034107	LOC257396
A_33_P3628409	8,33325	7,65723	1,597725982	ENST00000562038	150967	NR_037701	PKI55
A_33_P3315915	3,82215	3,14624	1,597604166	N/A	N/A	N/A	N/A
A_24_P623782	2,3467	1,67084	1,597548798	ENST00000378763	448831	NM_001005217	FRG2
A_21_P0014627	2,12854	1,45276	1,597460214	N/A	N/A	AK125599	N/A
A_33_P3350710	5,12411	4,44862	1,597139136	ENST00000492257	23233	NM_015189	EXOC6B
A_33_P3312743	5,02827	4,35278	1,597139136	ENST00000391356	85290	NM_033187	KRTAP4-3
A_21_P0008754	4,67352	3,9981	1,597061645	N/A	101929129	XR_243176	LOC101929129
A_24_P91165	4,63859	3,96318	1,597050575	ENST00000582544	782	NM_199248	CACNB1
A_33_P3418798	4,89904	4,22367	1,597006296	ENST00000438480	345222	NM_001042690	MSANTD1
A_22_P00020641	2,57095	1,89563	1,596950948	N/A	N/A	N/A	Inc-KCNMB2-7
A_23_P354734	10,0633	9,38798	1,596950948	ENST00000617641	9708	NM_032088	PCDHGA8
A_33_P3214199	8,48247	7,80716	1,596939879	ENST00000591083	55205	NM_018181	ZNF532
A_24_P106794	8,09468	7,4194	1,596906672	ENST00000239690	84955	NM_032869	NUDCD1
A_33_P3295870	6,75265	6,07747	1,596795987	ENST00000344774	401565	NM_001001710	FAM166A
A_33_P3381684	2,20421	1,52911	1,596707444	ENST00000614923	7062	NM_007113	TCHH
A_33_P3253440	7,16879	6,49398	1,596386518	ENST00000487471	130814	NM_152391	PQLC3
A_21_P0000886	3,41556	2,74097	1,5961431	N/A	100288122	NR_040031	LDLRAD4-AS1
A_23_P136986	9,48207	8,80761	1,595999279	ENST00000373173	139322	NM_198450	APOOL

A_33_P3234317	12,1831	11,5088	1,595822287	ENST00000537760	22800	NM_012250	RRAS2
A_23_P63459	12,7822	12,1081	1,595601074	ENST00000619305	388753	NM_001012985	COA6
A_21_P0011309	4,60984	3,93592	1,595402009	ENST00000570209	390561	N/A	HERC2P10
A_21_P0000223	9,63473	8,96086	1,595346718	N/A	114599	NR_000025	SNORD15B
A_22_P00006688	2,80806	2,13443	1,595081345	N/A	101927320	NR_121670	ERICH3-AS1
A_33_P3371954	7,99794	7,32454	1,594827072	ENST00000614243	93185	NM_052868	IGSF8
A_33_P3545095	2,18815	1,51484	1,594727584	ENST00000615248	100287704	NR_028348	LOC100287704
A_33_P3390187	2,5598	1,88649	1,594727584	ENST00000424439	283948	NM_001301159	NHLRC4
A_33_P3343210	11,2802	10,607	1,594605997	ENST00000519973	51312	NM_016612	SLC25A37
A_22_P00015280	2,38142	1,70825	1,594572839	N/A	N/A	N/A	Inc-SPATA19-3
A_23_P107981	6,51482	5,84173	1,594484419	ENST00000594274	6820	NM_004605	SULT2B1
A_19_P00318780	4,76901	4,09597	1,594429159	ENST00000513329	N/A	N/A	N/A
A_21_P0006149	9,7024	9,0294	1,594384953	N/A	N/A	N/A	Inc-ANKRD20A1-2
A_33_P3261197	6,6455	5,97254	1,594340748	ENST00000478100	4686	NM_002486	NCBP1
A_33_P7472345	3,23084	2,55799	1,59421919	N/A	100874214	NR_046724	TM4SF19-AS1
A_23_P394917	7,96265	7,28982	1,59419709	ENST00000395059	10847	NM_006662	SRCAP
A_22_P00001893	8,26278	7,58997	1,59417499	N/A	N/A	BC073932	Inc-B4GALNT1-2
A_33_P3214012	4,02053	3,34784	1,594042395	ENST00000370852	54511	NM_001287746	HMGCLL1
A_21_P0006940	2,4377	1,76503	1,594020297	N/A	N/A	N/A	Inc-GPR123-2
A_24_P703462	6,2036	5,53096	1,593987151	N/A	N/A	CD518305	N/A
A_22_P00016744	3,03255	2,36007	1,593810382	ENST00000521991	N/A	N/A	N/A
A_23_P380998	9,18382	8,51142	1,593722005	ENST00000264160	23518	NM_015361	R3HDM1
A_33_P3238997	8,0981	7,4258	1,59361154	ENST00000310078	3267	NM_001135187	AGFG1
A_22_P00022245	2,31513	1,64286	1,593578402	ENST00000539988	N/A	N/A	N/A
A_21_P0006213	4,10735	3,43509	1,593567357	N/A	N/A	N/A	Inc-C9orf91-1
A_21_P0000636	5,20133	4,5291	1,59353422	N/A	643749	NR_034110	TRAF3IP2-AS1
A_19_P00321671	11,1712	10,499	1,593501083	N/A	N/A	N/A	Inc-MMRN1-2
A_21_P0000831	6,34761	5,67556	1,593335412	ENST00000499504	100506368	NR_038905	LOC100506368
A_23_P132260	9,97099	9,29898	1,593291236	ENST00000335214	23481	NM_014303	PES1
A_33_P3215640	8,10062	7,42868	1,593213931	ENST00000611814	221476	NM_153370	PI16
A_33_P7283780	4,60183	3,92993	1,593169759	N/A	N/A	AK126635	Inc-CHID1-1
A_23_P310931	3,13566	2,46379	1,59313663	ENST00000374472	1269	NM_001841	CNR2
A_22_P00007099	2,10337	1,4315	1,59313663	N/A	N/A	N/A	Inc-GLRX3-3

A_23_P251268	4,47449	3,80271	1,593037248	N/A	84657	NR_026829	LINC00852
A_33_P3256287	2,52858	1,85691	1,59291579	ENST00000455995	N/A	N/A	N/A
A_23_P28120	9,23181	8,56016	1,592893707	ENST00000303077	10736	NM_016932	SIX2
A_33_P3267502	10,782	10,1105	1,592728099	ENST00000380092	54522	NM_001009941	ANKRD16
A_21_P0013930	11,6562	10,9847	1,592728099	ENST00000468519	N/A	XM_002342390	N/A
A_21_P0006912	5,82308	5,15177	1,592518354	N/A	N/A	N/A	Inc-SMC3-1
A_24_P184555	15,9584	15,2871	1,592507316	ENST00000323871	5829	NM_002859	PXN
A_23_P305616	5,23851	4,56721	1,592507316	ENST00000399702	652276	NR_015441	LOC652276
A_32_P68504	7,18775	6,51647	1,592485239	ENST00000611847	57683	NM_020923	ZDBF2
A_33_P3290792	3,95042	3,27918	1,592441087	ENST00000375024	219870	NM_001001953	OR10G9
A_22_P00009142	6,18702	5,51584	1,59237486	N/A	103091864	NR_117096	SNHG22
A_33_P6817530	6,71167	6,0405	1,592363823	N/A	400960	NR_033872	PCBP1-AS1
A_23_P68547	11,7414	11,0704	1,592176198	ENST00000378886	84515	NM_182802	MCM8
A_22_P00013074	5,54082	4,86995	1,592032734	N/A	101929237	NR_125433	LOC101929237
A_22_P00006806	2,48585	1,81516	1,591834114	N/A	N/A	N/A	Inc-GABPA-1
A_33_P3351765	7,63298	6,9624	1,591712748	ENST00000335420	23008	NM_014997	KLHDC10
A_22_P00014994	5,20527	4,5347	1,591701715	N/A	102723385	NR_119381	LOC102723385
A_22_P00016093	6,79378	6,12326	1,591646552	ENST00000426367	101928402	XR_244534	LOC101928402
A_33_P3306113	12,0438	11,3733	1,591624487	ENST00000438896	65094	NM_023007	JMJD4
A_23_P135219	2,55907	1,88869	1,591492105	ENST00000616002	2844	NM_005294	GPR21
A_23_P165148	12,5625	11,8922	1,591403856	ENST00000263383	10994	NM_006844	ILVBL
A_21_P0000882	6,32705	5,65678	1,591370764	N/A	100507218	NR_040017	RNF157-AS1
A_33_P3304688	5,86402	5,19376	1,591359734	N/A	445341	AF463496	TNAP
A_33_P3297587	2,65705	1,98688	1,591260463	ENST00000625073	64433	NR_024119	LINC00244
A_21_P0008358	4,7869	4,11688	1,591095025	N/A	N/A	N/A	Inc-C14orf118-1
A_33_P3405763	5,95426	5,28427	1,591061939	ENST00000342462	643853	NM_001039770	TMPPE
A_21_P0004567	2,28515	1,61519	1,591028854	N/A	N/A	N/A	Inc-ARRDC3-1
A_24_P176493	8,21852	7,5486	1,590984742	ENST00000566488	23300	NM_015251	ATMIN
A_24_P67946	9,45364	8,78377	1,590929604	ENST00000415493	11163	NM_199040	NUDT4
A_23_P256903	6,7798	6,10995	1,590907549	N/A	N/A	AF086546	N/A
A_33_P3392698	6,77177	6,10196	1,59086344	ENST00000335144	139886	NM_001012968	SPIN4
A_23_P74581	13,5948	12,925	1,590852413	N/A	85028	NR_024127	SNHG12
A_33_P3365705	2,10468	1,435	1,590720095	N/A	N/A	N/A	Inc-HERC1-1

A_21_P0008362	2,56448	1,89492	1,590587788	ENST00000557195	101928767	NR_110155	LOC101928767
A_33_P3314978	4,87038	4,20086	1,590543689	N/A	100130522	NR_028340	PARD6G-AS1
A_23_P87329	11,6336	10,9641	1,590521639	ENST00000531159	55226	NM_024662	NAT10
A_24_P174775	2,58387	1,91452	1,590356278	ENST00000264663	23530	N/A	NNT
A_23_P215525	12,6796	12,0103	1,590301161	ENST00000396429	26031	NM_015550	OSBPL3
A_21_P0005607	3,30017	2,6309	1,590268092	N/A	101927473	XR_250237	LOC101927473
A_23_P424617	2,31199	1,64275	1,590235024	ENST00000340994	5314	NM_170724	PKHD1
A_21_P0009557	3,834	3,16483	1,590157867	N/A	N/A	N/A	Inc-CXXC1-1
A_21_P0005543	2,89634	2,22717	1,590157867	N/A	N/A	N/A	Inc-XRCC2-2
A_23_P128503	2,0379	1,36883	1,59004765	ENST00000229134	55801	NM_018402	IL26
A_33_P3258320	7,31672	6,64768	1,590014586	ENST00000585350	54811	XM_005259941	ZNF562
A_33_P3259017	12,5399	11,8709	1,589970502	ENST00000615564	1455	NM_001319	CSNK1G2
A_24_P399942	8,71372	8,04481	1,589871317	ENST00000450801	286410	NM_173694	ATP11C
A_33_P3422991	7,9522	7,28341	1,589739081	ENST00000526735	120103	NM_001286139	SLC36A4
A_33_P3424062	2,11569	1,4469	1,589739081	ENST00000295082	3754	NM_002236	KCNF1
A_33_P3239298	4,89615	4,22738	1,589717043	ENST00000399694	5625	BC036534	PRODH
A_23_P168916	3,40952	2,74077	1,589695005	ENST00000523022	759	NM_001738	CA1
A_23_P143748	10,2926	9,62387	1,589672967	ENST00000484711	23170	NM_015140	TTL12
A_23_P253692	2,18542	1,51677	1,589584819	ENST00000356606	10149	NM_001079858	GPR64
A_21_P0014162	7,42044	6,75181	1,589562783	N/A	101060264	NR_126415	FOXP4-AS1
A_33_P3542801	7,65592	6,98734	1,589507694	N/A	729291	XR_242943	LOC729291
A_19_P00803675	2,45358	1,78503	1,589474642	N/A	N/A	N/A	N/A
A_23_P45475	13,2243	12,5558	1,589419556	ENST00000466414	2717	NM_000169	GLA
A_33_P3419234	7,75129	7,08288	1,589320406	ENST00000509153	26094	NM_015604	DCAF4
A_22_P00010218	2,42056	1,75239	1,589056036	ENST00000540875	N/A	BF978194	N/A
A_24_P75920	6,44735	5,77925	1,588978936	ENST00000588464	126075	NM_001080503	CCDC159
A_33_P3400248	2,14699	1,47899	1,5888688	ENST00000180166	26281	NM_019851	FGF20
A_33_P3388958	5,68162	5,01369	1,58879171	ENST00000308342	254122	NM_152760	SNX32
A_33_P3252809	6,93165	6,26381	1,588692599	N/A	N/A	N/A	N/A
A_33_P3297245	12,4255	11,7577	1,588648551	N/A	22800	NM_012250	RRAS2
A_33_P3246733	6,62906	5,96132	1,588582483	ENST00000174618	4335	NM_020310	MNT
A_33_P3396646	5,75378	5,08623	1,588373284	ENST00000429433	57673	NM_001080450	BEND3
A_23_P81811	10,3344	9,66691	1,588307226	ENST00000483640	93643	NM_080604	TJAP1



A_23_P13934	3,38726	2,7198	1,588274199	N/A	84983	NR_026661	FAM222A-AS1
A_33_P3369158	3,7731	3,1057	1,588208146	ENST00000405914	3797	NM_002254	KIF3C
A_33_P3892710	4,2785	3,61123	1,58806504	N/A	677807	AL706006	SNORA22
A_19_P00809139	7,88887	7,22193	1,58770183	ENST00000519655	101929709	XR_242401	LOC101929709
A_22_P00012238	3,05192	2,38506	1,587613791	N/A	N/A	N/A	Inc-PPIE-2
A_33_P3367970	7,20883	6,54198	1,587602787	N/A	N/A	N/A	N/A
A_22_P00016783	5,10079	4,43399	1,587547766	N/A	N/A	N/A	Inc-TRIM44-3
A_23_P151634	9,50253	8,83576	1,587514754	ENST00000557394	11198	NM_007192	SUPT16H
A_33_P3294669	8,15142	7,48479	1,587360708	ENST00000605153	N/A	N/A	N/A
A_33_P3355831	8,03332	7,36674	1,587305695	ENST00000416391	7760	NM_004220	ZNF213
A_32_P110872	6,44234	5,77578	1,587283691	ENST00000376250	87769	NM_033110	GGACT
A_21_P0001921	3,37801	2,71173	1,586975659	ENST00000426716	N/A	N/A	N/A
A_21_P0005532	2,54211	1,87587	1,586931659	N/A	N/A	N/A	Inc-WDR91-1
A_23_P24244	10,1876	9,52143	1,586854662	ENST00000328090	54906	NM_017782	FAM208B
A_22_P00022826	8,53963	7,87348	1,586832664	ENST00000568560	N/A	N/A	N/A
A_33_P3341154	5,21046	4,54437	1,586766671	ENST00000404767	26173	NM_001080453	INTS1
A_21_P0005141	3,60816	2,9421	1,586733675	N/A	N/A	N/A	Inc-ARID1B-2
A_23_P47199	4,00462	3,33859	1,586700681	ENST00000301891	55867	NM_018484	SLC22A11
A_21_P0006597	4,5871	3,92108	1,586689682	N/A	N/A	N/A	Inc-AMELY-4
A_21_P0002305	2,21308	1,54715	1,586590703	N/A	N/A	N/A	Inc-GALNT5-1
A_21_P0000208	10,6192	9,95327	1,586590703	N/A	9304	NR_000008	SNORD22
A_22_P00005117	3,97003	3,30415	1,586535717	N/A	440416	XR_424802	CCDC144NL-AS1
A_24_P123245	9,92133	9,25548	1,586502726	ENST00000313899	3184	NM_031370	HNRNPD
A_24_P103060	9,59878	8,9331	1,586315791	ENST00000409105	90411	NM_139279	MCFD2
A_33_P3218178	3,11959	2,45397	1,58624982	ENST00000594199	401612	NM_001012755	SLC25A53
A_23_P144807	4,47291	3,80738	1,586150867	ENST00000378719	23176	NM_001098811	set-08
A_21_P0014021	4,38375	3,71822	1,586150867	N/A	164714	XM_003403494	TTL8
A_33_P3299220	9,84601	9,18058	1,586040927	ENST00000369041	54507	NM_025008	ADAMTSL4
A_33_P3259423	10,977	10,3116	1,586007947	ENST00000358337	54853	NM_017706	WDR55
A_23_P144697	10,5563	9,89106	1,585832063	ENST00000513914	5810	NM_002853	RAD1
A_22_P00002829	3,08781	2,42263	1,585766111	N/A	N/A	AF086098	Inc-C2orf72-1
A_33_P3372044	6,21095	5,54585	1,58567818	ENST00000345063	285386	NM_198485	TPRG1
A_21_P0014946	2,04265	1,37762	1,585601245	N/A	N/A	N/A	N/A

A_33_P3351356	7,79774	7,13275	1,585557283	ENST00000398560	9639	BC040474	ARHGEF10
A_23_P25974	7,99762	7,33269	1,585491343	ENST00000555005	145567	NM_001010854	TTC7B
A_21_P0012903	6,42899	5,7641	1,585447384	ENST00000504674	26512	NM_012141	INTS6
A_23_P391228	9,55738	8,89262	1,585304527	ENST00000373045	149175	NM_001031740	MANEAL
A_22_P00025103	2,84326	2,17855	1,585249586	ENST00000425125	N/A	N/A	N/A
A_22_P00016601	7,0018	6,33717	1,585161683	ENST00000563563	9674	NM_001162893	KIAA0040
A_24_P203298	2,87671	2,21214	1,58509576	ENST00000469057	154865	NM_178827	IQUB
A_33_P3259817	7,73435	7,0699	1,584963921	ENST00000339416	23348	NM_001130048	DOCK9
A_21_P0012391	9,12566	8,4613	1,584865049	ENST00000504808	N/A	XR_241558	N/A
A_21_P0009148	2,33064	1,66641	1,584722244	ENST00000581213	101927122	XR_243713	LOC101927122
A_22_P00018945	4,26102	3,59685	1,584656339	N/A	101927053	NR_110209	LOC101927053
A_24_P179585	7,40767	6,74351	1,584645355	ENST00000611084	4139	NM_018650	MARK1
A_33_P3321711	11,9137	11,2496	1,584579453	ENST00000372813	10953	NM_006809	TOMM34
A_21_P0011415	4,01936	3,35528	1,584557486	N/A	101929989	N/A	LOC101929989
A_22_P00001553	6,31868	5,65463	1,584524536	N/A	N/A	BC039429	Inc-ARID2-1
A_22_P00025293	5,35548	4,69147	1,584480605	ENST00000504957	N/A	N/A	N/A
A_24_P174341	7,8904	7,22648	1,584381763	ENST00000419781	905	NM_058241	CCNT2
A_33_P3296940	9,07059	8,40668	1,584370781	ENST00000478016	64778	NM_022763	FNDC3B
A_23_P100501	13,5768	12,9131	1,584140175	ENST00000398595	3163	NM_002134	HMOX2
A_24_P743907	10,796	10,1323	1,584140175	ENST00000452533	10059	NM_001278464	DNM1L
A_23_P117146	9,48753	8,82385	1,584118214	ENST00000228437	11108	NM_012406	PRDM4
A_33_P3424882	4,62316	3,95955	1,584041354	ENST00000333235	N/A	N/A	N/A
A_21_P0010805	6,16686	5,50329	1,583997436	N/A	N/A	N/A	XLOC_I2_001483
A_22_P00011021	3,92002	3,25646	1,583986456	N/A	N/A	BC025660	Inc-NT5C2-1
A_23_P38537	8,3805	7,71717	1,583733951	ENST00000301653	3868	NM_005557	KRT16
A_21_P0004966	2,08366	1,42052	1,583525391	N/A	101929142	XR_245631	LOC101929142
A_21_P0000013	9,18282	8,5197	1,583503438	N/A	1678	NM_001145951	TIMM8A
A_23_P168629	11,9296	11,2665	1,583481487	ENST00000481788	55131	NM_018077	RBM28
A_33_P3760937	5,9874	5,32436	1,583415633	N/A	497256	AK094988	LOC497256
A_23_P159920	10,7558	10,0929	1,583261985	ENST00000612051	8517	NM_003639	IKBKG
A_23_P43197	11,2833	10,6204	1,583261985	ENST00000469032	793	AK315959	CALB1
A_33_P3302000	2,06439	1,40158	1,583163219	N/A	6315	NR_002717	ATXN8OS
A_22_P00008886	5,37969	4,71741	1,582581722	N/A	101927418	NR_110050	LOC101927418

A_33_P3424364	9,11751	8,45535	1,582450092	ENST00000361970	100129792	NM_001134848	CCDC152
A_23_P17503	10,6879	10,0259	1,582274602	ENST00000354981	55614	NM_024704	KIF16B
A_22_P00005942	4,82044	4,15846	1,582252668	N/A	N/A	CR736179	Inc-EXOC3L4-1
A_19_P00322962	6,53843	5,87654	1,582153965	ENST00000478405	169981	NR_027139	SPIN3
A_22_P00007323	2,24599	1,58414	1,582110099	ENST00000554205	N/A	BU852515	N/A
A_22_P00011651	2,08431	1,42249	1,5820772	ENST00000414647	N/A	N/A	N/A
A_24_P713668	13,4043	12,7425	1,582055268	ENST00000409600	9689	NM_014670	BZW1
A_22_P00009399	4,95284	4,29123	1,581846928	ENST00000541888	N/A	XR_111249	N/A
A_21_P0000616	3,60484	2,9433	1,581770178	N/A	728377	NR_033942	ARHGEF34P
A_22_P00000550	3,24213	2,58063	1,581726323	ENST00000521317	N/A	BX118359	N/A
A_23_P62188	7,7422	7,08082	1,581594764	ENST00000488608	55906	NM_018684	ZC4H2
A_21_P0000283	5,00994	4,34872	1,581419369	N/A	26796	NR_002741	SNORD53
A_24_P940310	7,81026	7,14904	1,581419369	ENST00000382751	9875	NM_014825	URB1
A_23_P56228	10,8059	10,1448	1,581287836	ENST00000203556	51291	NM_016573	GMIP
A_23_P5912	14,8231	14,162	1,581287836	ENST00000370339	54915	NM_017798	YTHDF1
A_23_P387184	7,91681	7,25574	1,581254954	ENST00000343505	57224	NM_020464	NHSL1
A_21_P0000859	4,5831	3,92219	1,581079597	ENST00000429060	100506207	NR_038980	LOC100506207
A_23_P253602	2,32763	1,66675	1,58104672	ENST00000342014	660	NM_001721	BMX
A_21_P0007876	2,16932	1,50846	1,581024802	N/A	N/A	N/A	Inc-SLC38A2-1
A_21_P0009196	5,36772	4,70687	1,581013843	N/A	103752589	N/A	TMEM92-AS1
A_19_P00320155	6,61166	5,95082	1,581002885	N/A	3653	NR_023915	IPW
A_21_P0002295	2,56197	1,90117	1,580959051	N/A	N/A	N/A	Inc-UBXN4-4
A_23_P65189	2,36083	1,70005	1,580937134	ENST00000381033	3651	NM_000209	PDX1
A_21_P0008529	2,34176	1,68101	1,58090426	N/A	N/A	N/A	Inc-STXBP6-1
A_22_P00010643	2,42797	1,76723	1,580893302	ENST00000538559	196475	AF429306	RMST
A_24_P371053	8,29671	7,63605	1,580805641	ENST00000325795	94101	NM_016467	ORMDL1
A_32_P25737	6,0405	5,37995	1,580685115	ENST00000373504	53344	NM_001039840	CHIC1
A_33_P3279119	7,46278	6,80227	1,58064129	N/A	N/A	DR007930	N/A
A_33_P3260377	3,94209	3,28162	1,580597466	ENST00000262207	83690	NM_001286778	CRISPLD1
A_21_P0011358	6,19931	5,53885	1,58058651	N/A	N/A	N/A	XLOC_I2_004854
A_21_P0011781	3,83004	3,16965	1,580509821	ENST00000621109	440533	NM_001130167	PSG8
A_19_P00813544	2,60766	1,9473	1,580476956	ENST00000556684	283587	NR_046094	LINC01146
A_33_P3291329	7,5486	6,88832	1,580389318	ENST00000315132	N/A	N/A	N/A

A_23_P18598	10,7361	10,0759	1,580301685	ENST00000264864	55300	NM_018323	PI4K2B
A_23_P45365	13,3481	12,688	1,580192151	ENST00000328300	1287	NM_033380	COL4A5
A_19_P00320056	9,11616	8,45616	1,580082624	N/A	414777	NR_102326	HCG18
A_19_P00321697	5,64168	4,98176	1,579995008	ENST00000332440	114038	NR_026863	LINC00313
A_21_P0004905	5,91339	5,25347	1,579995008	N/A	N/A	N/A	Inc-TPBG-1
A_21_P0002031	2,21253	1,55263	1,579973105	ENST00000423706	N/A	N/A	N/A
A_22_P00024909	3,66884	3,00907	1,579830741	N/A	N/A	N/A	Inc-BCL3-1
A_33_P3421978	3,72927	3,0695	1,579830741	ENST00000377976	643226	NM_001080516	GRXCR2
A_24_P487736	7,88327	7,22354	1,579786939	ENST00000472158	256643	NM_198279	CXorf23
A_21_P0011380	4,56123	3,90162	1,579655542	N/A	N/A	N/A	Inc-STOML1-1
A_21_P0003115	2,69292	2,03345	1,579502259	N/A	N/A	N/A	Inc-PRSS42-1
A_33_P3383351	3,42574	2,76641	1,57934899	ENST00000464187	1289	AK057231	COL5A1
A_23_P347468	6,30639	5,64728	1,57910817	ENST00000537916	7976	NM_017412	FZD3
A_23_P47517	12,4918	11,8327	1,579097224	ENST00000301765	55048	NM_017966	VPS37C
A_33_P6817603	10,1061	9,44704	1,579053443	ENST00000367021	3664	NM_006147	IRF6
A_19_P00321332	15,5184	14,8594	1,578987773	ENST00000501122	283131	NR_028272	NEAT1
A_23_P331211	2,28391	1,62492	1,578976829	ENST00000300404	124872	NM_153446	B4GALNT2
A_23_P254978	10,4904	9,83143	1,57895494	ENST00000523888	83940	NM_032026	TATDN1
A_33_P3248213	2,13797	1,47901	1,578943995	ENST00000569828	161635	NR_027320	CSNK1A1P1
A_21_P0005367	2,28089	1,62197	1,578900218	N/A	N/A	N/A	Inc-C7orf41-1
A_24_P268729	4,17384	3,51493	1,578889274	ENST00000448997	51409	NM_016173	HEMK1
A_21_P0002337	2,10442	1,44554	1,578856442	N/A	N/A	N/A	Inc-NOP58-1
A_22_P00022656	2,55665	1,8978	1,578823611	ENST00000561977	101927490	XR_244728	LOC101927490
A_24_P135406	9,97985	9,32106	1,578757951	ENST00000512203	54793	NM_017634	KCTD9
A_24_P132008	4,59129	3,93255	1,578703237	ENST00000239243	4488	NM_002449	MSX2
A_33_P3378665	9,57134	8,91266	1,578637582	ENST00000340892	123036	NM_152332	TC2N
A_23_P72961	10,4926	9,83396	1,578593813	ENST00000372418	5631	NM_002764	PRPS1
A_33_P3271350	6,74594	6,08732	1,578571929	ENST00000374647	8518	NM_003640	IKBKAP
A_33_P3407626	2,08909	1,43069	1,578331227	N/A	N/A	N/A	N/A
A_33_P3406927	9,35669	8,69831	1,578309347	ENST00000569517	83440	NM_031284	ADPGK
A_23_P42738	11,1038	10,4455	1,57822183	ENST00000616824	84792	NM_001037163	FAM220A
A_21_P0012463	2,13601	1,47783	1,578090562	N/A	N/A	N/A	XLOC_I2_010374
A_23_P99891	12,5075	11,8494	1,578003057	ENST00000267984	59274	NM_022566	MESDC1

A_33_P3274691	4,52381	3,86587	1,57782806	ENST00000482993	619207	AK126713	SCART1
A_33_P3372688	3,55615	2,89835	1,577674954	ENST00000391429	727857	NM_001164405	BHLHA9
A_24_P73730	7,64315	6,9855	1,577510929	ENST00000219299	29070	NM_014157	CCDC113
A_22_P00010763	8,57712	7,91958	1,577390654	N/A	N/A	N/A	Inc-NKD2-3
A_32_P163458	3,55947	2,90197	1,57734692	ENST00000333385	441272	NM_001004351	SPDYE3
A_33_P3276153	7,95178	7,29429	1,577335987	ENST00000611771	653073	NM_001282472	GOLGA8J
A_33_P3374170	5,06254	4,40505	1,577335987	ENST00000437690	N/A	N/A	N/A
A_21_P0004844	2,31572	1,65826	1,577303187	N/A	N/A	N/A	Inc-CD83-4
A_22_P00007841	2,42736	1,77016	1,577018954	N/A	100874218	NR_046758	ATP13A5-AS1
A_21_P0004651	2,96443	2,30736	1,576876857	N/A	N/A	N/A	Inc-DAAM2-3
A_22_P00014731	2,44131	1,7843	1,576811278	N/A	N/A	N/A	Inc-SLC2A6-1
A_21_P0005250	2,1734	1,51647	1,576723843	N/A	101927721	XR_242321	LOC101927721
A_23_P203344	12,585	11,9281	1,576691056	ENST00000316059	80829	NM_053023	ZFP91
A_23_P3552	9,75213	9,09531	1,576603629	ENST00000551681	102723428	BC009198	LOC102723428
A_23_P101476	6,63497	5,9783	1,576439714	ENST00000242804	79973	NM_030824	ZNF442
A_21_P0010309	4,35155	3,6949	1,57641786	ENST00000609947	114036	N/A	LINC00310
A_23_P147900	5,92033	5,26368	1,57641786	ENST00000403058	11281	NM_007252	POU6F2
A_24_P124662	11,0947	10,4381	1,576363227	ENST00000547067	8550	NM_139078	MAPKAPK5
A_33_P3220025	2,42682	1,77042	1,576144712	ENST00000567652	727832	NM_001145004	GOLGA6L6
A_21_P0014208	4,68452	4,02818	1,576079163	ENST00000518238	N/A	XR_108869	N/A
A_23_P394166	11,9077	11,2514	1,576035465	ENST00000361272	29883	NM_013354	CNOT7
A_33_P3385281	2,33878	1,68264	1,575860687	ENST00000394973	170850	NM_133329	KCNG3
A_24_P394075	2,14208	1,48601	1,575784228	ENST00000359846	93034	NM_001002006	NT5C1B
A_33_P3357591	5,40926	4,75323	1,575740538	ENST00000474221	80162	NM_025092	ATHL1
A_21_P0005738	2,13828	1,48238	1,575598556	N/A	N/A	N/A	Inc-POP1-1
A_23_P312536	5,65769	5,00182	1,575565793	ENST00000380009	153642	NM_198150	ARSK
A_23_P308974	2,1355	1,47974	1,575445667	ENST00000567476	57188	NM_207517	ADAMTSL3
A_32_P221	3,84318	3,18742	1,575445667	ENST00000299191	123970	NM_144602	C16orf78
A_23_P64837	10,5856	9,9299	1,575380147	ENST00000603864	57228	NM_001031628	SMAGP
A_22_P00003540	3,10465	2,44922	1,575085343	N/A	N/A	AK097242	Inc-CCNJL-1
A_21_P0006162	3,94681	3,29165	1,574790593	N/A	N/A	N/A	Inc-NTRK2-3
A_23_P103104	5,38539	4,73026	1,574757847	ENST00000356998	4242	NM_002405	MFNG
A_33_P3527317	6,86755	6,21242	1,574757847	N/A	148638	AK058184	LOC148638

A_33_P3392823	12,3975	11,7424	1,574725101	ENST00000594724	55850	NM_018467	USE1
A_21_P0012815	3,35671	2,70174	1,57458321	N/A	102723888	XR_425822	LOC102723888
A_23_P14716	11,1803	10,5255	1,57439768	ENST00000562621	83440	NM_031284	ADPGK
A_24_P732099	3,34305	2,68827	1,574375855	ENST00000454892	3044	NR_001589	HBBP1
A_22_P00016565	4,89953	4,24486	1,574255819	ENST00000566575	N/A	N/A	N/A
A_22_P00010973	5,79778	5,14315	1,574212172	N/A	N/A	N/A	Inc-NRIP2-2
A_22_P00014714	2,22903	1,57448	1,574124881	N/A	N/A	BM807342	Inc-SLC25A48-3
A_23_P150467	2,01627	1,3618	1,574037596	ENST00000301532	10798	NM_006637	OR5I1
A_23_P342185	8,58914	7,93485	1,573841221	ENST00000372075	23063	NM_015045	WAPAL
A_21_P0000567	4,00666	3,35241	1,573797585	ENST00000446986	100303728	NR_028443	SLC25A5-AS1
A_21_P0012474	2,15732	1,50309	1,573775768	ENST00000449483	N/A	N/A	N/A
A_22_P00018895	6,08234	5,42817	1,573710318	ENST00000438070	N/A	N/A	N/A
A_23_P16252	10,5889	9,93488	1,573546705	ENST00000301420	3816	NM_002257	KLK1
A_22_P00023011	2,10354	1,44953	1,573535798	N/A	101927891	NR_110682	PKN2-AS1
A_33_P3291325	5,15443	4,50059	1,573350391	ENST00000616814	54617	NM_017553	INO80
A_33_P3338423	5,39674	4,74305	1,573186815	ENST00000434127	81848	NM_001293289	SPRY4
A_33_P3265376	9,09715	8,44352	1,573121389	ENST00000599097	9454	NM_001145724	HOMER3
A_24_P21410	10,8346	10,1811	1,572979643	ENST00000297990	65083	NM_022917	NOL6
A_23_P79360	6,28312	5,62964	1,572957837	ENST00000397206	115677	NM_052946	NOSTRIN
A_19_P00321782	5,34181	4,68833	1,572957837	N/A	378805	NR_109851	LINC-PINT
A_33_P3839334	9,81623	9,16276	1,572946934	ENST00000606994	N/A	AK055939	N/A
A_24_P6305	4,46161	3,80826	1,572816106	ENST00000424325	N/A	BC018570	N/A
A_19_P00803334	4,52887	3,87555	1,5727834	N/A	N/A	N/A	Inc-GALNTL4-2
A_23_P317082	4,69236	4,03907	1,572750695	ENST00000297875	94122	NM_138780	SYTL5
A_23_P152791	4,5408	3,88762	1,572630784	ENST00000620436	9120	NM_004694	SLC16A6
A_22_P00000605	2,52296	1,86979	1,572619883	ENST00000582741	N/A	N/A	N/A
A_23_P10785	8,87386	8,22075	1,572554481	ENST00000393077	143187	NM_145206	VTI1A
A_22_P00014171	15,208	14,5549	1,572543581	ENST00000508832	378938	NR_002819	MALAT1
A_33_P3319022	2,28191	1,62892	1,572423685	N/A	283420	NM_207345	CLEC9A
A_23_P58538	14,2661	13,6132	1,572325595	ENST00000427306	114915	NR_015370	EPB41L4A-AS1
A_23_P318581	12,0627	11,4098	1,572325595	ENST00000458385	57587	NM_020827	CFAP97
A_22_P00025637	11,0407	10,3878	1,572325595	ENST00000527545	340371	NM_178564	NRBP2
A_32_P44534	2,09039	1,43757	1,572238409	ENST00000398458	283471	NM_182559	TMPRSS12

A_33_P3301410	12,5763	11,9235	1,572216614	ENST00000316052	54512	NM_019037	EXOSC4
A_33_P3405114	6,32384	5,67116	1,572085846	ENST00000399775	375704	NM_198573	ENHO
A_21_P0014600	5,62675	4,97429	1,571846133	N/A	N/A	N/A	N/A
A_21_P0000126	9,69713	9,04473	1,571780763	ENST00000566166	100507588	NM_001195259	TGFBR3L
A_33_P3327076	3,60552	2,95317	1,57172629	ENST00000344889	403239	NM_001001824	OR2T27
A_33_P3404686	2,14292	1,4906	1,571693607	N/A	100128262	AK094115	TNK2-AS1
A_21_P0011346	3,26892	2,61666	1,571628244	N/A	N/A	N/A	XLOC_I2_004840
A_21_P0009721	2,06577	1,41362	1,571508418	N/A	N/A	N/A	Inc-ZNF567-1
A_22_P00013489	2,19212	1,54003	1,571443062	N/A	N/A	N/A	Inc-RP11-33N16.1.1-2
A_23_P105392	15,494	14,842	1,571345033	ENST00000550010	10576	NM_006431	CCT2
A_32_P136351	2,11224	1,46035	1,571225229	ENST00000377084	114798	NM_052910	SLITRK1
A_21_P0007684	3,81315	3,1613	1,571181666	N/A	N/A	N/A	Inc-VWF-2
A_23_P396724	2,13395	1,48211	1,571170775	ENST00000339777	254050	NM_152759	LRRC43
A_33_P3283550	2,08239	1,43059	1,571127214	ENST00000463881	100507650	NM_001282322	RNF212B
A_23_P96497	3,27801	2,62632	1,571007426	ENST00000370416	100506164	NM_016153	HSFX1
A_22_P00019653	2,14327	1,49167	1,570909424	N/A	N/A	N/A	Inc-CDKAL1-1
A_21_P0002846	2,44717	1,79561	1,57086587	ENST00000456335	N/A	N/A	N/A
A_33_P3424754	3,15368	2,50217	1,570811429	ENST00000390294	N/A	KJ487209	N/A
A_32_P420563	6,27433	5,62299	1,570626343	ENST00000382363	200312	NM_001017981	RNF215
A_23_P152002	2,29843	1,6471	1,570615457	ENST00000267953	597	NM_004049	BCL2A1
A_23_P98261	13,4227	12,7715	1,570473936	ENST00000527413	10534	NM_006396	SSSCA1
A_22_P00011992	3,70433	3,05318	1,570419509	N/A	N/A	N/A	Inc-PLAU-2
A_21_P0008224	6,55578	5,90471	1,570332429	ENST00000612143	N/A	N/A	N/A
A_21_P0005508	2,08285	1,43181	1,570299775	N/A	N/A	N/A	Inc-PION-1
A_21_P0002124	2,36891	1,71798	1,57018005	ENST00000457756	N/A	N/A	N/A
A_22_P00008847	5,61255	4,96164	1,570158283	ENST00000440545	N/A	XR_425512	N/A
A_21_P0007646	4,42727	3,77657	1,569929746	N/A	N/A	N/A	Inc-ZNF664-1
A_33_P3225978	2,21778	1,56714	1,569864456	ENST00000357627	284532	NM_001001966	OR14A16
A_21_P0002264	2,21373	1,56309	1,569864456	N/A	N/A	N/A	Inc-MRPS9-1
A_33_P3337252	2,75168	2,10126	1,569625081	ENST00000438543	N/A	AK126057	N/A
A_19_P00805339	2,21487	1,56453	1,569538045	ENST00000455680	149351	N/A	LOC149351
A_33_P3250015	6,02102	5,37071	1,569505408	ENST00000420308	N/A	BM473780	N/A
A_33_P3395146	10,6945	10,0442	1,569494529	N/A	646762	N/A	LOC646762

A_33_P3383381	2,13649	1,48631	1,569363988	ENST00000392056	80309	NM_001142644	SPHKAP
A_21_P0005061	3,61324	2,96316	1,569255211	N/A	N/A	N/A	Inc-OLIG3-1
A_21_P0012280	5,21519	4,56514	1,56922258	ENST00000457911	7450	N/A	VWF
A_33_P3339625	2,20246	1,55248	1,569146443	ENST00000244241	27189	NM_013278	IL17C
A_22_P00006482	2,49978	1,8499	1,569037681	N/A	N/A	N/A	Inc-FGD3-1
A_21_P0000661	6,89103	6,24117	1,56901593	ENST00000507197	724102	NR_036536	SNHG4
A_23_P79217	2,13839	1,48868	1,568852805	ENST00000264162	3938	NM_002299	LCT
A_22_P00021391	3,69614	3,04667	1,568591839	N/A	100862692	NR_046400	DIP2A-IT1
A_23_P385690	3,02303	2,37366	1,568483117	ENST00000284523	89780	NM_033131	WNT3A
A_33_P3397613	4,561	3,91164	1,568472245	N/A	N/A	N/A	Inc-MTX1-1
A_23_P13083	7,35391	6,70467	1,568341788	ENST00000281437	8538	NM_003658	BARX2
A_21_P0001799	2,42384	1,77466	1,568276564	N/A	102724675	XR_425512	LOC102724675
A_21_P0006650	2,48631	1,83713	1,568276564	ENST00000447297	N/A	N/A	N/A
A_21_P0007024	2,11584	1,46678	1,568146124	N/A	N/A	N/A	Inc-MCMBP-1
A_33_P3261353	6,64588	5,99684	1,568124385	ENST00000400605	286554	NR_033732	BCORP1
A_33_P3251871	6,47257	5,82353	1,568124385	N/A	N/A	N/A	XLOC_I2_015206
A_22_P00007048	3,42366	2,77464	1,568102647	N/A	N/A	N/A	Inc-GK-2
A_33_P3263989	8,60751	7,9585	1,568091777	N/A	N/A	N/A	N/A
A_22_P00023515	3,50466	2,85576	1,567972221	N/A	102723953	XR_426129	LOC102723953
A_33_P3418496	7,94938	7,3006	1,567841806	N/A	N/A	N/A	N/A
A_33_P3387971	3,79513	3,14646	1,567722269	ENST00000457336	400999	XM_005275926	FLJ42351
A_22_P00025796	2,76641	2,1178	1,56765707	ENST00000569766	4775	NM_173165	NFATC3
A_23_P214408	2,23347	1,58505	1,567450627	ENST00000366829	54346	NM_018974	UNC93A
A_24_P357468	3,0558	2,40739	1,567439762	ENST00000390434	N/A	D13077	N/A
A_24_P71373	9,70611	9,0578	1,567331119	ENST00000490329	6548	NM_003047	SLC9A1
A_22_P00009776	2,18623	1,53801	1,567233347	ENST00000551531	N/A	N/A	N/A
A_21_P0000365	8,50707	7,85887	1,567211621	N/A	692057	NR_003030	SNORD12
A_22_P00010051	4,42888	3,78068	1,567211621	N/A	N/A	N/A	Inc-MOCS3-2
A_33_P3352712	4,51319	3,865	1,567200757	ENST00000337231	30850	NM_014603	CDR2L
A_23_P20248	12,2646	11,6165	1,567102993	ENST00000307102	5604	NM_002755	MAP2K1
A_23_P408787	2,12192	1,47383	1,567092131	ENST00000366491	148823	NM_145278	GCSAML
A_33_P3253702	4,82977	4,18168	1,567092131	N/A	85313	NM_139126	PPIL4
A_23_P47806	3,58143	2,93336	1,567070407	ENST00000257979	4284	NM_012064	MIP



A_33_P3378880	7,67305	7,02504	1,567005236	ENST00000377803	8364	BC130558	HIST1H4C
A_33_P3304516	8,53589	7,88793	1,566950928	ENST00000371744	57169	NM_021035	ZNF1
A_22_P00007171	3,66645	3,01867	1,566755437	N/A	N/A	N/A	Inc-GNG5P2-1
A_23_P212126	2,78026	2,13249	1,566744578	ENST00000383788	8292	NM_080538	COLQ
A_24_P802145	9,74118	9,09342	1,566733718	ENST00000305123	3667	NM_005544	IRS1
A_33_P3373375	6,62614	5,97848	1,566625124	ENST00000468153	975	NM_004356	CD81
A_22_P00016032	1,99756	1,34994	1,566581688	N/A	N/A	N/A	Inc-TGFBR2-1
A_32_P749354	11,4218	10,7742	1,566559971	ENST00000312234	84285	NM_032325	EIF1AD
A_24_P285522	7,64576	6,99827	1,566440531	ENST00000341681	8491	NM_003618	MAP4K3
A_22_P00022287	5,5007	4,85327	1,566375386	ENST00000559755	N/A	N/A	N/A
A_23_P153930	6,9937	6,34639	1,566245104	ENST00000495775	92	NM_001616	ACVR2A
A_24_P388810	10,7078	10,0606	1,566125689	ENST00000520401	6728	NM_003135	SRP19
A_23_P117582	12,8615	12,2144	1,566017137	ENST00000267569	122953	NM_130469	JDP2
A_21_P0007131	2,32683	1,67977	1,565973718	ENST00000527317	101929473	NR_120578	LOC101929473
A_21_P0000025	3,79571	3,14875	1,565865177	ENST00000460603	4846	NM_001160109	NOS3
A_23_P25433	9,48093	8,83403	1,565800056	ENST00000545746	57102	NM_020374	C12orf4
A_33_P3222788	8,29413	7,64734	1,565680674	N/A	100188947	NR_024467	HECTD2-AS1
A_24_P942030	6,36546	5,71869	1,565658969	ENST00000236192	8674	NM_003762	VAMP4
A_22_P00009113	6,55317	5,90643	1,565626413	ENST00000507051	100499177	NR_034077	THAP9-AS1
A_22_P00007929	2,20217	1,55546	1,565593857	N/A	N/A	N/A	Inc-HTR1B-1
A_21_P0013438	6,16198	5,51527	1,565593857	ENST00000429320	N/A	XR_252233	N/A
A_23_P393686	2,1812	1,53467	1,565398535	ENST00000427263	157695	NM_175075	TDRP
A_21_P0002047	2,21146	1,56514	1,565170691	ENST00000423433	N/A	N/A	N/A
A_23_P395418	3,73651	3,09023	1,565127296	ENST00000618934	56102	NM_032097	PCDHGB3
A_33_P3211138	2,54772	1,90147	1,56509475	ENST00000452722	23705	AK131376	CADM1
A_33_P3402171	10,9773	10,3311	1,565040509	ENST00000256383	1965	NM_004094	EIF2S1
A_23_P46947	6,4732	5,82705	1,56498627	ENST00000356713	26507	NM_020348	CNNM1
A_33_P3402963	2,73286	2,08673	1,564964575	ENST00000376650	503834	NM_001012728	DPRX
A_33_P3235831	4,88882	4,24284	1,564801871	N/A	N/A	N/A	N/A
A_24_P83738	8,61002	7,96416	1,564671719	ENST00000361477	23245	NM_198188	ASTN2
A_24_P315056	2,45752	1,81174	1,564584958	ENST00000368821	387718	NM_001128202	TEX36
A_23_P363406	8,49736	7,85163	1,564530735	ENST00000251089	23357	NM_015305	ANGEL1
A_32_P204218	5,7402	5,09463	1,564357232	ENST00000415751	389558	NM_205855	FAM180A

A_19_P00800229	4,5474	3,90183	1,564357232	N/A	N/A	N/A	Inc-IRX3-4
A_33_P3370959	4,54222	3,89685	1,564140381	ENST00000613186	696	NM_001732	BTN1A1
A_19_P00320614	4,12534	3,47998	1,564129539	N/A	283177	NR_033852	LOC283177
A_33_P3408943	12,9382	12,2929	1,564064491	ENST00000369077	79892	NM_024834	MCMBP
A_21_P0009611	4,99284	4,3476	1,563999444	ENST00000584919	101927481	NR_126336	LOC101927481
A_33_P3265260	3,12584	2,48062	1,563977763	N/A	N/A	N/A	N/A
A_33_P3544887	8,06915	7,42404	1,56385852	ENST00000612946	23331	NM_001145418	TTC28
A_22_P00014692	5,96567	5,32066	1,563750125	N/A	N/A	BU942368	Inc-SLC25A28-1
A_22_P00024979	2,80423	2,1593	1,563663415	ENST00000512927	101927041	XR_246559	LOC101927041
A_33_P3403658	3,28568	2,64077	1,563641738	N/A	N/A	CR749422	Inc-FBN1-3
A_21_P0002288	2,14922	1,50447	1,563468334	N/A	N/A	N/A	Inc-CNTNAP5-1
A_33_P3228300	10,8451	10,2004	1,56341415	ENST00000381750	10171	NM_005772	RCL1
A_33_P3628481	8,95768	8,31304	1,56334913	ENST00000223073	157247	NR_046216	MGC27345
A_21_P0002397	2,10601	1,46138	1,563338294	N/A	101929861	N/A	LOC101929861
A_32_P160561	2,08633	1,44171	1,563327458	ENST00000577609	220164	NM_152721	DOK6
A_32_P222961	10,458	9,81339	1,563316622	ENST00000374884	139886	NM_001012968	SPIN4
A_23_P217280	3,53935	2,89475	1,563305786	ENST00000427768	27035	NM_007052	NOX1
A_33_P3397279	6,76308	6,11851	1,563273278	ENST00000216061	9701	NM_001242898	PPP6R2
A_33_P3394489	7,70835	7,06382	1,563229936	N/A	100144603	N/A	CHKB-AS1
A_33_P3342345	4,53444	3,88992	1,5632191	N/A	N/A	N/A	XLOC_I2_004817
A_33_P3661631	9,5686	8,92429	1,562991573	ENST00000254908	84105	NM_032151	PCBD2
A_24_P111242	5,17292	4,52861	1,562991573	ENST00000354193	258010	NM_148893	SVIP
A_22_P00000187	3,51176	2,86751	1,562926571	N/A	102723167	NR_110369	MIR133A1HG
A_22_P00003346	5,35903	4,71483	1,562872405	N/A	N/A	N/A	Inc-CBLB-4
A_23_P146997	8,6358	7,99165	1,562818241	ENST00000398155	55787	NM_018360	TXLNG
A_23_P201483	11,0488	10,4048	1,56265576	ENST00000367103	9261	NM_004759	MAPKAPK2
A_23_P13359	10,9942	10,3502	1,56265576	ENST00000533048	10482	NM_006362	NXF1
A_33_P3392537	8,04896	7,40499	1,562623266	ENST00000544898	7084	NM_004614	TK2
A_33_P3482417	2,28946	1,64573	1,562363337	ENST00000437057	100101938	NR_027248	ANKRD26P3
A_21_P0012199	2,02658	1,38285	1,562363337	N/A	N/A	N/A	XLOC_I2_009184
A_23_P168788	13,7505	13,1068	1,562330849	ENST00000223127	8985	NM_001084	PLOD3
A_22_P00003276	5,44269	4,79909	1,56222256	N/A	N/A	DC396132	Inc-CALML5-1
A_23_P406458	2,6205	1,97699	1,562125107	N/A	283303	NR_027138	MIRGPRG-AS1

A_23_P207336	4,95253	4,30906	1,562081796	ENST00000591228	5539	NM_002722	PPY
A_33_P3374087	4,09865	3,45524	1,562016832	ENST00000409864	375316	NM_001080504	RBM44
A_33_P3522525	12,0275	11,3841	1,562006005	ENST00000504920	80273	NM_025196	GRPEL1
A_23_P7535	5,18872	4,54536	1,561962698	ENST00000231683	3274	NM_022304	HRH2
A_21_P0007540	2,24051	1,59719	1,561919392	N/A	N/A	N/A	Inc-DNM1L-2
A_24_P307014	14,9875	14,3442	1,561897739	ENST00000553146	6046	NM_005104	BRD2
A_33_P3382746	8,77292	8,12964	1,561876087	ENST00000469765	3932	NM_005356	LCK
A_33_P3352103	9,70962	9,06641	1,561800306	ENST00000366927	127018	NM_138794	LYPLAL1
A_22_P00003103	4,9394	4,29624	1,561746179	ENST00000432783	158435	NR_033838	LOC158435
A_23_P18205	9,92606	9,2831	1,56152969	ENST00000461680	23132	NM_015106	RAD54L2
A_22_P00011145	2,6334	1,99047	1,561497219	N/A	101927929	XR_241122	LOC101927929
A_23_P67424	7,16938	6,52661	1,561324053	ENST00000614133	92283	NM_153257	ZNF461
A_33_P3233871	12,0939	11,4512	1,561248299	ENST00000253496	2161	NM_000505	F12
A_21_P0000829	9,8294	9,18673	1,561215834	ENST00000528156	100506233	NR_038903	RAB30-AS1
A_22_P00021043	10,1722	9,52956	1,56118337	N/A	N/A	N/A	Inc-TCF7L2-2
A_21_P0002621	4,27083	3,62822	1,561150906	N/A	102724224	N/A	LINC01117
A_21_P0009244	2,52021	1,87766	1,561085981	N/A	N/A	N/A	Inc-LRRC3C-1
A_21_P0003045	2,12233	1,47981	1,56105352	N/A	N/A	N/A	Inc-P2RY1-3
A_19_P00320603	4,64788	4,00538	1,561031879	N/A	N/A	N/A	Inc-SNCA-2
A_22_P00018124	4,5803	3,93781	1,561021059	N/A	414197	NR_047557	ZNF32-AS1
A_22_P00017778	2,75291	2,11043	1,561010239	N/A	N/A	N/A	Inc-ZAP70-1
A_23_P24960	11,0616	10,4192	1,56092368	ENST00000525345	79731	NM_024678	NARS2
A_22_P00024242	7,25293	6,61053	1,56092368	N/A	100134713	NR_024454	NDUFB2-AS1
A_22_P00001380	2,92402	2,28167	1,560869584	ENST00000523413	N/A	N/A	N/A
A_33_P3270941	2,73376	2,09146	1,560815489	ENST00000408893	388759	NM_207401	C1orf229
A_23_P395464	2,22544	1,58326	1,560685669	ENST00000619584	147948	NM_144690	ZNF582
A_21_P0006870	9,64838	9,00622	1,560664034	N/A	N/A	N/A	Inc-ANTXRL-3
A_23_P10559	8,00114	7,35909	1,560545044	ENST00000374792	9625	NM_001080395	AATK
A_21_P0006434	4,34909	3,70713	1,560447695	ENST00000439434	100506790	N/A	LOC100506790
A_21_P0014851	5,23521	4,59329	1,560404431	N/A	N/A	N/A	N/A
A_23_P1615	10,5821	9,94019	1,560393615	ENST00000426652	9158	NM_004214	FIBP
A_21_P0012601	11,6623	11,0204	1,560382799	N/A	N/A	N/A	Inc-MMRN1-2
A_22_P00015883	5,43223	4,79047	1,560231386	N/A	101928221	XR_244481	LOC101928221

A_33_P3366241	4,06285	3,42131	1,559993481	ENST00000518030	286133	AY337579	SCARA5
A_22_P00016217	3,98911	3,3476	1,559961042	N/A	654841	NR_102371	LOC654841
A_22_P00014116	5,34689	4,70542	1,559917791	N/A	N/A	AL553290	Inc-SCAMP5-1
A_21_P0013359	2,48683	1,84543	1,559842105	ENST00000436670	285889	N/A	LOC285889
A_23_P214821	7,49224	6,85089	1,559788046	ENST00000379375	1906	NM_001955	EDN1
A_24_P241815	11,3759	10,7346	1,559733989	ENST00000302754	3726	NM_002229	JUNB
A_33_P3290588	3,36731	2,72604	1,559701556	ENST00000581608	79058	AK127159	ASPSCR1
A_23_P159335	2,00807	1,36682	1,559679934	ENST00000390655	926	NM_004931	CD8B
A_32_P38637	6,34821	5,70715	1,559474541	ENST00000496259	84626	NM_032534	KRBA1
A_23_P214907	10,0791	9,43809	1,559420494	ENST00000611279	25902	NM_015440	MTHFD1L
A_22_P00006478	5,06022	4,41924	1,559388067	N/A	100506994	NR_038281	PTPRG-AS1
A_23_P7582	6,92931	6,28837	1,559344833	ENST00000522653	6932	NM_003202	TCF7
A_33_P3258542	2,93518	2,29446	1,559107062	ENST00000434006	646424	NM_001080525	SPINK8
A_33_P3385461	8,14768	7,50702	1,559042222	ENST00000399042	79184	NM_024332	BRCC3
A_33_P3415663	8,3436	7,70297	1,559009803	ENST00000316610	153364	NM_203406	MBLAC2
A_33_P3296352	8,87063	8,23022	1,558772084	ENST00000378540	5495	NM_002706	PPM1B
A_21_P0004874	2,51126	1,87085	1,558772084	N/A	N/A	N/A	Inc-ITPR3-1
A_22_P00008645	4,71985	4,07949	1,558718062	N/A	N/A	N/A	Inc-KIAA0087-1
A_23_P154050	2,18105	1,54072	1,55868565	ENST00000451080	65061	NM_139158	CDK15
A_21_P0013739	2,15146	1,51119	1,558620828	ENST00000605707	100996569	NR_102271	NAMA
A_23_P63847	10,2305	9,59024	1,558610024	ENST00000359655	6832	NM_003171	SUPV3L1
A_24_P160401	9,88811	9,24793	1,558523599	ENST00000425231	64866	NM_178181	CDCP1
A_23_P149375	9,48721	8,84705	1,558501993	ENST00000483207	117145	NM_053055	THEM4
A_33_P3413667	2,18773	1,54758	1,55849119	ENST00000392043	27	NM_001136001	ABL2
A_23_P364324	6,59808	5,95799	1,558426376	ENST00000435803	154664	NM_152701	ABCA13
A_21_P0004852	4,38611	3,74621	1,558221148	N/A	N/A	N/A	Inc-HDGFL1-1
A_33_P3423027	6,68115	6,04128	1,558188746	ENST00000396997	4901	NM_006177	NRL
A_33_P3224345	5,44658	4,8068	1,558091544	ENST00000570209	390561	N/A	HERC2P10
A_24_P220058	13,5453	12,9056	1,558005148	ENST00000375571	22919	NM_012325	MAPRE1
A_22_P00017737	2,37106	1,73138	1,557983549	ENST00000566440	N/A	BC037792	N/A
A_21_P0000035	7,23353	6,59388	1,557951152	ENST00000482580	221468	NM_001162900	TMEM217
A_19_P00318085	9,17707	8,53754	1,557821571	N/A	414777	NR_024052	HCG18
A_21_P0001002	5,87801	5,23851	1,557789177	ENST00000422022	100506392	NR_103744	SLC16A1-AS1

A_33_P3368950	4,28972	3,65041	1,557584033	ENST00000434752	389333	NM_001161546	PROB1
A_21_P0013937	5,73487	5,0956	1,557540848	N/A	N/A	N/A	N/A
A_21_P0014520	4,11803	3,4788	1,557497665	N/A	100505475	NR_120501	SYNE1-AS1
A_33_P3272828	9,00937	8,37019	1,557443687	ENST00000231383	5810	NM_002853	RAD1
A_33_P3210986	8,03009	7,39092	1,557432891	ENST00000495971	55253	NM_018264	TYW1
A_24_P44341	7,43456	6,79561	1,557195413	ENST00000376714	55757	NM_020121	UGGT2
A_21_P0013896	3,83378	3,19514	1,556860846	N/A	83869	N/A	TTY14
A_22_P00016361	5,83851	5,19989	1,556839263	N/A	N/A	N/A	Inc-TMEM179-1
A_22_P00013992	4,84606	4,20755	1,556720564	N/A	N/A	BQ943064	Inc-RUNDC3A-1
A_19_P00321598	2,01781	1,37938	1,556634244	ENST00000417485	102724861	N/A	LOC102724861
A_21_P0000260	7,38494	6,74658	1,556558717	ENST00000581305	26791	NR_002571	SNORD58A
A_24_P23411	8,64687	8,00852	1,556547928	ENST00000471229	51566	NM_016607	ARMCX3
A_33_P3329769	7,11151	6,47358	1,556094849	ENST00000370746	221336	NM_152731	BEND6
A_21_P0006474	4,38212	3,74425	1,556030134	N/A	102723840	XR_426496	LOC102723840
A_23_P102706	6,02869	5,39115	1,555674251	ENST00000614659	9751	NM_014723	SNPH
A_21_P0008137	2,64618	2,00866	1,555652685	N/A	N/A	N/A	Inc-KATNAL1-3
A_33_P3238785	2,45462	1,81713	1,555620336	N/A	100126270	NR_024499	FMR1-AS1
A_23_P47464	2,20123	1,56375	1,555609554	ENST00000302981	338675	NM_001002925	OR5AP2
A_23_P121282	4,64306	4,00567	1,555512513	ENST00000330862	440955	NM_001008269	TMEM89
A_33_P3333805	8,80433	8,16702	1,555426259	ENST00000376436	26152	NM_001290261	ZNF337
A_33_P3389376	7,43898	6,80171	1,555383134	ENST00000507825	4194	NM_001278518	MDM4
A_21_P0005169	4,15003	3,51286	1,555275327	N/A	N/A	N/A	Inc-CRISP2-1
A_22_P00015721	2,16647	1,52936	1,555210646	ENST00000554436	N/A	XM_006720272	N/A
A_22_P00014471	7,3239	6,68683	1,555167527	N/A	N/A	AK125463	Inc-SHANK2-1
A_21_P0014047	2,5092	1,87219	1,555102851	ENST00000546746	720	NM_001252204	C4A
A_21_P0013995	4,53404	3,89706	1,555070514	ENST00000475182	N/A	AK296060	N/A
A_23_P127915	6,10932	5,47251	1,554887283	ENST00000486305	65975	NM_030906	STK33
A_22_P00007422	5,09939	4,46264	1,554822618	N/A	N/A	N/A	Inc-GRXCR1-4
A_33_P3383696	7,26187	6,62514	1,554801064	ENST00000312358	10290	NM_005876	SPEG
A_23_P412214	6,23006	5,59341	1,55471485	ENST00000571555	23108	NM_015085	RAP1GAP2
A_23_P211738	11,674	11,0374	1,554660968	ENST00000447368	7342	NM_014517	UBP1
A_33_P3413741	6,46274	5,82616	1,554639416	ENST00000316793	5021	NM_000916	OXTR
A_22_P00001903	3,79655	3,16001	1,554596313	N/A	N/A	AK124134	Inc-B4GALT7-1

A_33_P3280094	13,7979	13,1616	1,554337719	ENST00000309602	78999	NM_024036	LRFN4
A_33_P3267822	5,04438	4,4081	1,554316172	ENST00000585038	57553	NM_001122731	MICAL3
A_23_P138461	8,58058	7,94433	1,554283851	ENST00000370228	56652	NM_021830	C10orf2
A_21_P0003210	2,4055	1,76938	1,554143802	N/A	N/A	N/A	Inc-KIAA0226-3
A_33_P3380992	14,5683	13,9322	1,554122257	ENST00000423958	441282	NM_001080538	AKR1B15
A_24_P160001	11,2126	10,5765	1,554122257	ENST00000612074	2280	NM_054014	FKBP1A
A_22_P00013497	5,33687	4,70087	1,554014538	N/A	102723729	NR_125824	LOC102723729
A_23_P47682	8,3507	7,71483	1,553874513	ENST00000309166	56675	NM_020645	NRIP3
A_23_P18422	13,3655	12,7298	1,553691423	ENST00000264995	11222	NM_007208	MRPL3
A_33_P3233165	4,30452	3,66884	1,553669884	N/A	112942	XM_005264120	CFAP36
A_33_P3230374	3,67664	3,04102	1,55360527	ENST00000312614	143502	NM_001005170	OR52I2
A_23_P148629	10,5682	9,93263	1,553551427	ENST00000624250	9086	NM_004681	EIF1AY
A_32_P176550	8,36335	7,7279	1,553422212	ENST00000396137	133746	NM_152405	JMY
A_32_P139894	9,04946	8,41413	1,553293007	ENST00000502732	27	NM_007314	ABL2
A_23_P131375	9,13859	8,50345	1,553088455	ENST00000441908	130814	NM_152391	PQLC3
A_33_P3281985	2,70626	2,07129	1,552905458	ENST00000367057	1380	NM_001006658	CR2
A_22_P00009039	2,04319	1,40823	1,552894694	N/A	N/A	N/A	Inc-LDHD-1
A_33_P3287907	4,6472	4,01228	1,552851639	N/A	728723	NR_024398	ZBED3-AS1
A_23_P15669	8,91407	8,27931	1,552679432	ENST00000575815	55421	NM_001114118	C17orf85
A_24_P778836	11,3917	10,7571	1,552507244	ENST00000571133	26156	NM_015659	RSL1D1
A_22_P00005132	3,60836	2,97377	1,552496483	ENST00000546117	387895	NR_033878	LINC00944
A_21_P0010467	2,97332	2,33878	1,552442678	N/A	N/A	N/A	Inc-ATXN10-1
A_23_P31453	10,0971	9,46265	1,552345835	ENST00000297205	26872	NM_012449	STEAP1
A_33_P3406449	9,07591	8,44148	1,552324315	ENST00000376744	121260	NM_145648	SLC15A4
A_24_P273756	8,64067	8,00628	1,552281276	ENST00000392461	8626	NM_003722	TP63
A_22_P00004517	2,10534	1,47097	1,552259757	N/A	N/A	N/A	Inc-CPXM2-2
A_24_P367211	4,51209	3,87787	1,552098374	ENST00000615473	30837	NM_014598	SOCS7
A_24_P331830	4,54034	3,9062	1,552012309	ENST00000376028	23254	NM_015209	KAZN
A_32_P59811	4,96229	4,32819	1,551969279	N/A	N/A	CU692621	N/A
A_21_P0002510	4,15538	3,52134	1,551904736	N/A	N/A	N/A	Inc-LRP1B-4
A_33_P3392374	2,03448	1,40055	1,551786414	ENST00000259750	84630	NM_032538	TTBK1
A_22_P00009484	3,93368	3,29982	1,551711122	N/A	N/A	N/A	Inc-MAGEB1-1
A_23_P310532	11,0775	10,4437	1,55164659	ENST00000270502	90580	NM_138358	C19orf52

A_23_P22625	10,6483	10,0146	1,551539042	ENST00000370701	10479	NM_001042537	SLC9A6
A_33_P3239101	8,20411	7,57056	1,551377733	ENST00000515814	440295	NM_198181	GOLGA6L9
A_33_P3229412	2,27598	1,64259	1,551205689	ENST00000404547	10718	NM_001010848	NRG3
A_23_P215265	8,73568	8,10265	1,550818661	ENST00000496740	2768	NM_007353	GNA12
A_33_P3212919	4,32513	3,69214	1,550775663	N/A	N/A	BX092453	N/A
A_21_P0012862	2,18913	1,5562	1,550711117	N/A	N/A	N/A	XLOC_I2_011854
A_22_P00009280	2,14712	1,51431	1,550582191	N/A	N/A	N/A	Inc-LRRC18-3
A_24_P221485	8,16581	7,53306	1,550517705	ENST00000439132	N/A	N/A	N/A
A_21_P0001343	8,66904	8,03664	1,550141593	N/A	N/A	N/A	Inc-ABCD3-1
A_21_P0008388	2,33817	1,70579	1,550120103	N/A	N/A	N/A	Inc-DLK1-1
A_22_P00005091	2,11665	1,48429	1,550098614	N/A	26220	NR_002733	DGCR5
A_23_P17456	4,79559	4,16331	1,550012661	ENST00000262929	10326	NM_006065	SIRPB1
A_19_P00321765	6,29098	5,65875	1,549958943	ENST00000435966	100287765	NR_038988	LINC00630
A_33_P3889862	2,55543	1,92329	1,549862254	ENST00000415174	151475	NR_040038	LOC151475
A_22_P00000326	3,21812	2,58598	1,549862254	N/A	N/A	N/A	Inc-AC012123.1.1-1
A_24_P156049	9,03614	8,40406	1,549797799	ENST00000440549	25800	NM_012319	SLC39A6
A_21_P0006922	2,08542	1,45342	1,549711862	N/A	N/A	N/A	Inc-EMX2-5
A_23_P59718	8,37878	7,747	1,549475561	ENST00000265729	6717	NM_003130	SRI
A_23_P434944	10,3667	9,73493	1,549464821	ENST00000407004	3609	NM_004516	ILF3
A_33_P3336968	8,92516	8,29347	1,549378902	ENST00000339437	51095	NM_001302946	TRNT1
A_33_P6806144	5,36107	4,72948	1,549271511	N/A	100128782	NR_023390	LINC00476
A_33_P3405995	5,71629	5,08489	1,549067489	ENST00000397692	54059	NM_058181	YBEY
A_33_P3312730	3,78245	3,15123	1,548874229	ENST00000314018	168620	NM_177455	BHLHA15
A_23_P310483	10,9596	10,3284	1,548852757	ENST00000409586	541565	NM_001013842	C8orf58
A_21_P0002638	4,19143	3,56024	1,548842022	N/A	N/A	N/A	Inc-TMEM18-5
A_23_P211985	8,09271	7,46156	1,548799079	ENST00000296088	54861	NM_017719	SNRK
A_22_P00017277	2,80977	2,17871	1,548702463	N/A	N/A	BC034802	Inc-URB1-1
A_22_P00004451	8,18555	7,55459	1,548595119	ENST00000507387	N/A	AK307188	N/A
A_21_P0014707	7,7527	7,12179	1,54854145	ENST00000606907	N/A	XM_006711856	N/A
A_32_P49350	15,5956	14,9647	1,548530716	ENST00000458402	N/A	N/A	N/A
A_21_P0002568	2,05642	1,42561	1,548434117	ENST00000456327	150622	NR_026832	LINC01105
A_24_P141786	10,3716	9,74085	1,54836972	ENST00000308664	488	NM_001681	ATP2A2
A_23_P381714	8,64206	8,01146	1,548208742	ENST00000321764	377677	NM_198584	CA13

A_22_P00004732	2,32576	1,69521	1,548155086	N/A	N/A	BG211462	Inc-CTNNA1-2
A_22_P00004697	3,78443	3,15389	1,548144355	N/A	N/A	N/A	nc-CTD-2517M22.16.1-
A_23_P77593	8,75082	8,12046	1,54795121	ENST00000564512	55697	NM_018052	VAC14
A_21_P0013961	7,21418	6,58399	1,547768818	ENST00000615248	N/A	N/A	N/A
A_33_P3300253	8,61225	7,98208	1,547747362	ENST00000374218	26095	NM_001042357	PTPN20B
A_22_P00025067	2,66532	2,03517	1,547725905	N/A	N/A	N/A	Inc-TRAPPC6B-1
A_22_P00016922	7,72889	7,09876	1,54770445	ENST00000550292	100287314	NR_040245	LINC00941
A_22_P00012411	2,6443	2,01424	1,547629356	N/A	103695363	NR_125758	FOXG1-AS1
A_21_P0011708	6,97232	6,34233	1,547554267	N/A	N/A	N/A	XLOC_I2_006804
A_23_P356565	12,3541	11,7242	1,547457728	ENST00000533907	23378	NM_015324	RRP8
A_24_P9883	7,21775	6,58802	1,547275394	ENST00000532090	91056	NM_138368	AP5B1
A_22_P00016892	3,97066	3,34096	1,54724322	ENST00000555150	N/A	XR_245795	N/A
A_21_P0004149	2,8308	2,20123	1,547103805	ENST00000506041	102546226	N/A	LOC102546226
A_21_P0013227	1,98992	1,3604	1,547050188	N/A	N/A	N/A	XLOC_I2_013458
A_33_P3244141	12,7793	12,1499	1,546921513	ENST00000583683	81565	NM_001025579	NDEL1
A_24_P7179	6,99994	6,37063	1,546825014	ENST00000435722	23181	NM_206890	DIP2A
A_22_P00014449	4,52006	3,89092	1,546642755	N/A	N/A	DB521863	Inc-SH2D7-3
A_33_P3313622	9,33599	8,70689	1,546599873	ENST00000581816	407975	NR_027350	MIR17HG
A_21_P0011942	2,32493	1,69583	1,546599873	N/A	285000	N/A	LOC285000
A_32_P180971	11,4813	10,8524	1,546385484	ENST00000416103	728323	BC090920	LOC728323
A_21_P0004305	2,49279	1,86399	1,5462783	N/A	N/A	N/A	Inc-PSD2-2
A_33_P3420266	4,70495	4,07618	1,546246147	ENST00000402318	441430	NM_001012421	ANKRD20A2
A_22_P00022841	6,00716	5,37844	1,546192559	ENST00000522044	N/A	N/A	N/A
A_33_P3352011	2,89987	2,27125	1,546085389	N/A	N/A	N/A	N/A
A_23_P343261	4,66652	4,03792	1,546063956	ENST00000429480	148645	NR_103534	LINC00337
A_21_P0007114	4,59913	3,97066	1,545924647	N/A	N/A	N/A	Inc-FGF8-1
A_33_P3423335	2,08219	1,4538	1,545838925	ENST00000316368	81392	NM_001005276	OR2AE1
A_33_P3367780	2,06784	1,43946	1,545828211	N/A	401498	NM_212558	TMEM215
A_19_P00321039	2,04921	1,42106	1,545581788	ENST00000435643	N/A	N/A	N/A
A_24_P255218	8,22767	7,59959	1,545506798	ENST00000613858	4644	NM_000259	MYO5A
A_33_P3326807	3,22809	2,60004	1,54547466	N/A	100130152	AK127768	LOC100130152
A_22_P00004594	3,08669	2,45869	1,545421099	ENST00000521016	N/A	N/A	N/A
A_33_P3239512	6,68146	6,05367	1,545196163	ENST00000322146	162962	NM_001102657	ZNF836



A_33_P3416206	4,43007	3,80232	1,545153321	ENST00000573703	55114	AF258580	ARHGAP17
A_22_P00002438	3,19792	2,57019	1,545131901	N/A	N/A	N/A	Inc-C14orf57-1
A_33_P3243588	9,19831	8,57062	1,545089062	ENST00000367591	8504	NM_003630	PEX3
A_23_P51376	4,48603	3,85847	1,544949841	ENST00000373736	79570	NM_024522	NKAIN1
A_33_P3361611	5,94841	5,32094	1,544853465	ENST00000290472	283748	NM_178034	PLA2G4D
A_23_P421175	12,2082	11,5808	1,54477851	ENST00000612192	286077	NM_198488	FAM83H
A_33_P3356587	5,97315	5,34576	1,544767803	N/A	101929998	XR_252344	LOC101929998
A_23_P432360	11,831	11,2037	1,544671438	ENST00000567697	5373	NM_000303	PMM2
A_22_P00001870	5,54146	4,91421	1,544617905	N/A	101929988	XR_253363	LOC101929988
A_22_P00017071	7,13167	6,50446	1,54457508	N/A	N/A	BU682501	Inc-TUFM-1
A_23_P134419	7,34879	6,72158	1,54457508	ENST00000336517	7784	NM_007155	ZP3
A_33_P3238433	14,7587	14,1315	1,544564373	ENST00000457500	218	NM_001135168	ALDH3A1
A_32_P51894	10,0525	9,4253	1,544564373	ENST00000444376	3192	NM_031844	HNRNPU
A_23_P308603	12,4302	11,803	1,544564373	ENST00000477066	6714	NM_005417	SRC
A_21_P0003689	2,175	1,54796	1,544393085	N/A	N/A	N/A	Inc-TRAPPC11-1
A_33_P3237760	6,86297	6,23604	1,544275336	N/A	N/A	N/A	N/A
A_21_P0010951	5,98557	5,35872	1,544189705	N/A	101929506	XR_252776	LOC101929506
A_23_P32064	10,016	9,38929	1,544039863	ENST00000371482	26012	NM_015537	NSMF
A_32_P741851	2,17461	1,54793	1,544007756	ENST00000455971	112937	NM_001080407	GLB1L3
A_23_P431252	4,73885	4,11221	1,543964948	ENST00000417314	84541	NM_032505	KBTBD8
A_23_P60837	2,29699	1,6705	1,543804427	ENST00000359062	5139	NM_000921	PDE3A
A_22_P00009438	2,46247	1,83604	1,543740223	N/A	102724316	NR_110928	SVIL-AS1
A_33_P3343616	4,93269	4,30631	1,543686722	ENST00000378879	57649	NM_001290131	PHF12
A_22_P00005366	4,9789	4,35259	1,543611824	N/A	N/A	N/A	Inc-DRD5-1
A_33_P3234118	11,9538	11,3275	1,543601125	ENST00000343004	159090	NM_001166599	FAM122B
A_22_P00013590	2,24561	1,61956	1,543333662	N/A	N/A	N/A	Inc-RP11-503N18.3.1-1
A_22_P00012274	2,58471	1,95885	1,543130421	ENST00000569070	N/A	BC042560	N/A
A_23_P33664	2,17921	1,55341	1,543066246	ENST00000339841	64100	NM_022142	ELSPBP1
A_23_P113701	11,1858	10,56	1,543066246	ENST00000402802	5154	NM_002607	PDGFA
A_33_P3413038	6,78378	6,15804	1,543002073	ENST00000472415	5365	NM_001163257	PLXNB3
A_23_P41804	13,7693	13,1436	1,542959292	ENST00000610777	85409	NM_033120	NKD2
A_24_P419039	5,96772	5,34208	1,542895124	ENST00000373034	57526	NM_020766	PCDH19
A_21_P0010120	3,48414	2,85856	1,542830958	N/A	N/A	N/A	Inc-STAU1-1

A_33_P3374324	2,37947	1,75398	1,542734714	ENST00000380211	390063	NM_001005288	OR51I1
A_33_P3348239	2,57114	1,94572	1,542659862	ENST00000316623	2200	NM_000138	FBN1
A_24_P945181	5,54816	4,92277	1,542627784	ENST00000563281	29890	NM_013286	RBM15B
A_21_P0007077	3,8277	3,20241	1,542520861	N/A	N/A	N/A	Inc-SHOC2-1
A_22_P00002397	3,26319	2,63807	1,542339108	N/A	319085	NR_002808	ITPK1-AS1
A_23_P152218	11,0204	10,3953	1,542317727	ENST00000567228	1874	NM_001950	E2F4
A_23_P422849	3,82731	3,20221	1,542317727	ENST00000275461	222894	NM_152898	FERD3L
A_19_P00811812	8,9789	8,35382	1,542296346	ENST00000395811	23164	NM_201274	MPRIP
A_23_P96478	2,44425	1,81919	1,542274965	ENST00000348912	265	NM_182681	AMELX
A_23_P73763	14,1354	13,5105	1,542103931	ENST00000621786	8270	NM_006014	LAGE3
A_24_P410389	5,8964	5,27152	1,542082553	ENST00000498133	23786	NM_015367	BCL2L13
A_23_P91283	2,89651	2,27179	1,54191154	ENST00000360314	57091	NM_020356	CASS4
A_33_P3416946	7,83569	7,21103	1,541847415	ENST00000254286	55860	NM_018477	ACTR10
A_22_P00006432	4,17178	3,54717	1,54179398	ENST00000577621	N/A	EL594951	N/A
A_19_P00322968	10,6275	10,0029	1,541783293	ENST00000453213	100506190	NR_038955	LINC00963
A_33_P3278410	7,28662	6,66235	1,541430668	ENST00000366809	4301	NM_001207008	MLLT4
A_23_P162607	3,49526	2,87105	1,541366563	ENST00000388887	55576	NM_017564	STAB2
A_22_P00008946	8,81865	8,19456	1,541238361	N/A	N/A	BC031978	Inc-KRT83-1
A_33_P3287203	6,50491	5,88085	1,541206312	ENST00000273173	9389	NM_004803	SLC22A14
A_33_P3330877	3,39561	2,77161	1,541142217	N/A	N/A	N/A	N/A
A_23_P121215	2,55088	1,92688	1,541142217	ENST00000397277	8536	NM_003656	CAMK1
A_33_P3241657	7,85481	7,23105	1,540885861	ENST00000477623	79823	NM_024766	CAMKMT
A_22_P00000558	2,29015	1,6664	1,54087518	ENST00000576859	N/A	AA234626	N/A
A_21_P0010513	2,06928	1,44567	1,54072566	N/A	N/A	N/A	XLOC_l2_000038
A_24_P39211	9,81962	9,19602	1,540714981	ENST00000338450	3621	NM_198219	ING1
A_24_P944320	2,8407	2,21711	1,540704301	ENST00000530879	340385	NM_213605	ZNF517
A_23_P149084	2,36714	1,74359	1,540661584	ENST00000373093	2899	NM_000831	GRIK3
A_21_P0003704	4,90207	4,27871	1,540458696	N/A	N/A	N/A	Inc-FRG1-5
A_24_P365767	3,5591	2,93599	1,540191778	ENST00000378588	1536	NM_000397	CYBB
A_22_P00002856	1,99858	1,3756	1,540052999	N/A	N/A	BG210193	Inc-C3orf32-6
A_24_P389038	9,10438	8,48142	1,540031649	ENST00000466751	9277	NM_005452	WDR46
A_33_P3235340	11,4538	10,8309	1,539967602	ENST00000476149	8886	NM_006773	DDX18
A_33_P3299977	11,1646	10,5419	1,539754132	ENST00000361671	60560	NM_024635	NAA35

A_23_P250462	13,8424	13,2197	1,539754132	ENST00000455205	537	NM_001183	ATP6AP1
A_33_P3244021	12,302	11,6793	1,539754132	ENST00000428216	57506	NM_020746	MAVS
A_23_P214882	8,72438	8,10169	1,53974346	ENST00000367233	54516	NM_019041	MTRF1L
A_22_P00000421	4,64672	4,02405	1,539722114	ENST00000618708	440993	NR_122105	LINC00969
A_21_P0006452	2,66644	2,0438	1,539690097	ENST00000454131	N/A	N/A	N/A
A_22_P00004345	2,46486	1,84227	1,539636736	N/A	N/A	BC014215	Inc-COL1A1-2
A_22_P00011817	3,85741	3,23484	1,539615393	N/A	N/A	BC040327	Inc-PHF14-1
A_22_P00013442	2,26171	1,63918	1,539572706	N/A	101928377	XR_245788	LOC101928377
A_33_P3258988	1,99868	1,37617	1,539551363	N/A	2665	AK309360	GDI2
A_22_P00005994	5,56273	4,94055	1,539199249	N/A	N/A	N/A	Inc-FABP3-1
A_21_P0007071	2,82833	2,20618	1,539167242	N/A	N/A	N/A	Inc-FRAT1-1
A_32_P49616	16,2557	15,6336	1,5391139	ENST00000392221	1933	NM_001959	EEF1B2
A_21_P0010656	2,11278	1,4907	1,539092563	N/A	N/A	N/A	XLOC_I2_001122
A_23_P115955	15,3033	14,6813	1,53900722	ENST00000541279	219927	NM_181515	MRPL21
A_21_P0000557	2,38405	1,76205	1,53900722	ENST00000477210	100302640	NR_028303	LINC00882
A_24_P396231	9,16112	8,53917	1,538953883	N/A	3920	NM_002294	LAMP2
A_22_P00010880	7,17431	6,55253	1,538772551	N/A	N/A	N/A	Inc-NPB-3
A_33_P3393971	9,25251	8,63087	1,538623235	ENST00000477817	5317	NM_000299	PKP1
A_33_P3691860	9,9978	9,37618	1,538601905	ENST00000465128	159090	NM_001166599	FAM122B
A_19_P00327415	4,61525	3,99364	1,538591241	N/A	101927405	XR_245566	LOC101927405
A_33_P3331345	8,81974	8,19813	1,538591241	ENST00000477458	8446	NM_003584	DUSP11
A_21_P0014838	4,04773	3,42624	1,538463269	N/A	N/A	AK098835	N/A
A_21_P0014762	4,90078	4,27932	1,538431278	N/A	N/A	CU674253	N/A
A_24_P12413	10,8657	10,2443	1,538367298	ENST00000182527	9697	NM_012288	TRAM2
A_33_P3272291	7,8291	7,20777	1,538292658	ENST00000263126	1109	NM_001818	AKR1C4
A_22_P00012377	6,64034	6,01909	1,538207359	N/A	N/A	N/A	Inc-PRICKLE4-1
A_21_P0012373	1,97961	1,35841	1,53815405	ENST00000450746	101928015	XR_245199	LOC101928015
A_24_P226355	7,98892	7,36774	1,538132727	ENST00000539980	10048	NM_005493	RANBP9
A_23_P120921	7,59939	6,97828	1,538058098	ENST00000498417	129138	NM_138797	ANKRD54
A_24_P339664	14,0052	13,3841	1,538047437	ENST00000246117	56926	NM_020170	NCLN
A_23_P218937	2,12601	1,50495	1,538004794	ENST00000611950	5098	NM_032402	PCDHGC3
A_22_P00022465	2,19615	1,57514	1,537951492	N/A	N/A	N/A	Inc-C1orf50-1
A_23_P202565	10,3114	9,69039	1,537951492	ENST00000265277	8036	NM_007373	SHOC2

A_23_P349463	8,97703	8,35607	1,537898191	ENST00000300113	63928	NM_022097	CHP2
A_33_P3340852	2,94288	2,32198	1,537834233	ENST00000427543	N/A	S55273	N/A
A_33_P3238177	10,0313	9,41053	1,537695666	ENST00000351773	7587	NM_001007094	ZNF37A
A_33_P3407400	5,40906	4,78838	1,537599743	ENST00000282469	79925	NM_144722	SPEF2
A_32_P95462	4,80657	4,18597	1,537514483	ENST00000273666	9515	NM_014980	STXBP5L
A_21_P0001765	4,59023	3,96972	1,53741857	ENST00000449086	400946	NR_033875	LINC00954
A_23_P84952	9,92165	9,30114	1,53741857	ENST00000315869	7030	NM_006521	TFE3
A_23_P55515	9,29249	8,67205	1,537343976	ENST00000589866	8731	NM_003799	RNMT
A_19_P00317965	6,15501	5,53458	1,53733332	ENST00000609220	N/A	N/A	N/A
A_21_P0009794	5,54338	4,92298	1,537301353	N/A	N/A	N/A	Inc-VN1R2-1
A_21_P0014533	3,9887	3,36836	1,537237419	N/A	N/A	N/A	N/A
A_33_P3338166	11,6757	11,0554	1,537194799	ENST00000367157	81788	NM_030952	NUAK2
A_23_P89101	4,2437	3,62344	1,537152179	ENST00000587603	124404	NM_144605	set-12
A_33_P3212394	2,43865	1,81842	1,537120215	ENST00000308062	100288801	NM_001124759	FRG2C
A_23_P92536	5,53483	4,91461	1,537109561	ENST00000420489	1259	NM_000087	CNGA1
A_24_P45005	13,791	13,1709	1,536981713	ENST00000530122	79716	NM_024663	NPEPL1
A_23_P28246	5,8447	5,22461	1,53697106	ENST00000295738	151295	NM_144712	SLC23A3
A_33_P3242778	4,7372	4,11713	1,536949753	N/A	100129888	AK127110	LOC100129888
A_23_P21747	7,04575	6,42571	1,536917793	ENST00000293255	56344	NM_019855	CABP5
A_21_P0008354	3,8194	3,19939	1,536885834	N/A	N/A	N/A	Inc-TTC9-1
A_21_P0006339	2,41494	1,79498	1,536832571	N/A	N/A	N/A	Inc-SMARCA2-2
A_22_P00002569	3,00774	2,38778	1,536832571	N/A	N/A	N/A	Inc-C17orf89-2
A_22_P00001759	5,70794	5,088	1,536811266	N/A	N/A	N/A	Inc-ATP11B-2
A_23_P128215	9,81657	9,19675	1,536683443	ENST00000549206	8835	NM_003877	SOCS2
A_23_P78152	10,2783	9,65853	1,536630186	ENST00000573759	79003	NM_024039	MIS12
A_24_P261734	14,1368	13,5171	1,53655563	ENST00000398637	81539	NM_030674	SLC38A1
A_24_P132787	10,7155	10,0958	1,53655563	ENST00000356940	22931	NM_021252	RAB18
A_19_P00806499	3,37329	2,75368	1,536459778	N/A	100507135	NR_045180	SPG20-AS1
A_21_P0013489	2,58658	1,96699	1,536438478	ENST00000517611	N/A	N/A	N/A
A_19_P00318059	2,38778	1,76826	1,536363932	ENST00000419695	N/A	N/A	N/A
A_33_P3287567	9,13378	8,51429	1,536331984	ENST00000379119	55973	NM_018844	BCAP29
A_33_P3336462	4,21417	3,59485	1,536150961	N/A	N/A	AK123300	N/A
A_23_P37144	9,49794	8,87863	1,536140313	ENST00000310850	112487	NM_080664	DTD2

A_23_P110961	10,3821	9,76284	1,536087076	ENST00000621685	51660	NM_016098	MPC1
A_21_P0009955	6,01234	5,39309	1,536076428	N/A	N/A	N/A	Inc-NNAT-1
A_21_P0014280	3,53266	2,91342	1,536065781	N/A	100128276	AK125272	LOC100128276
A_33_P3287477	4,69927	4,08015	1,53593802	ENST00000329446	399814	NM_001010912	C10orf120
A_22_P00007298	3,69169	3,07278	1,535714464	ENST00000454185	102724220	XR_426114	LOC102724220
A_23_P106727	10,3845	9,7656	1,535703819	ENST00000611004	9727	NM_014700	RAB11FIP3
A_22_P00014083	3,28644	2,66754	1,535703819	N/A	N/A	AK123668	Inc-SAP30-5
A_21_P0008549	1,97387	1,35502	1,535650597	N/A	N/A	N/A	Inc-RP11-204N11.1.1-3
A_23_P65870	11,4593	10,8405	1,535597376	ENST00000561885	26263	NM_012170	FBXO22
A_23_P98015	9,16852	8,54978	1,535533514	ENST00000370472	51076	NM_015960	CUTC
A_33_P3270966	15,625	15,0065	1,535278091	ENST00000402039	N/A	N/A	N/A
A_24_P163405	10,6734	10,055	1,535171677	ENST00000467742	5987	NM_006510	TRIM27
A_23_P78608	3,90643	3,28808	1,535118473	ENST00000590867	79958	NM_024898	DENND1C
A_23_P2041	7,21953	6,60119	1,535107832	ENST00000256186	84953	NM_032867	MICALCL
A_23_P115444	2,00306	1,38473	1,535097192	ENST00000404377	8995	NM_005092	TNFSF18
A_24_P183292	10,1621	9,54379	1,535075911	ENST00000412431	1452	AF119911	CSNK1A1
A_33_P3223338	2,5002	1,88189	1,535075911	ENST00000453888	64098	AK307299	PARVG
A_33_P3283136	10,6163	9,99806	1,53500143	ENST00000462753	84928	NM_032842	TMEM209
A_22_P00000851	2,94586	2,32763	1,534990791	N/A	N/A	N/A	Inc-AGGF1-3
A_23_P210253	11,4833	10,8651	1,534958872	ENST00000409813	8527	NM_152879	DGKD
A_21_P0009249	3,87103	3,2529	1,534884397	N/A	N/A	N/A	Inc-ARL4D-1
A_33_P3234347	11,471	10,8529	1,53485248	ENST00000372057	9949	NM_001171689	AMMECR1
A_24_P117029	15,6501	15,032	1,53485248	N/A	3949	NM_000527	LDLR
A_23_P70201	9,42359	8,80556	1,53477801	ENST00000512392	1105	NM_001270	CHD1
A_33_P3350758	9,30459	8,68662	1,534714182	ENST00000462775	9462	NM_170692	RASAL2
A_33_P3289236	8,69221	8,07429	1,534660994	ENST00000356967	3250	NM_020995	HPR
A_21_P0005109	4,1269	3,50899	1,534650357	N/A	N/A	N/A	Inc-CD83-2
A_33_P3262253	3,65639	3,03854	1,534586534	ENST00000402499	84787	AK304562	SUV420H2
A_22_P00000322	5,47039	4,85255	1,534575897	ENST00000407635	285191	XR_241442	LOC285191
A_33_P3607359	7,01423	6,3965	1,534458896	ENST00000368895	399815	NR_027282	LOC399815
A_32_P26401	2,141	1,5233	1,534426988	ENST00000451980	728409	NR_024102	LINC01548
A_33_P3233891	10,2613	9,64381	1,534203651	ENST00000507126	6731	NM_006947	SRP72
A_22_P00011892	5,56638	4,94899	1,534097312	N/A	N/A	N/A	Inc-PIGU-1

A_33_P3392802	4,06964	3,45234	1,534001613	ENST00000402170	9014	N/A	TAF1B
A_23_P308632	3,06972	2,45257	1,533842128	ENST00000590083	255057	NM_152769	C19orf26
A_23_P5200	3,42267	2,80567	1,53368266	ENST00000378910	4868	NM_004646	NPHS1
A_33_P3210880	4,15373	3,53674	1,533672029	N/A	538	AB208828	ATP7A
A_21_P0008960	2,87887	2,26189	1,533661398	N/A	N/A	N/A	Inc-CA7-3
A_23_P391506	10,8133	10,1964	1,533576357	ENST00000367498	10625	NM_006469	IVNS1ABP
A_32_P34552	9,42049	8,8037	1,533459432	ENST00000519771	5423	NM_002690	POLB
A_19_P00322932	8,90298	8,28628	1,533363772	ENST00000608369	100506190	NR_038955	LINC00963
A_21_P0000488	6,99764	6,38109	1,533204354	N/A	692226	NR_004379	SNORD96B
A_21_P0007823	5,45725	4,84072	1,533183099	N/A	N/A	N/A	Inc-EIF2S3L.1-3
A_33_P3251430	11,5602	10,9437	1,533151218	ENST00000318948	8204	NM_003489	NRIP1
A_21_P0012948	3,40979	2,79338	1,533055578	ENST00000510435	N/A	N/A	N/A
A_32_P206401	10,5084	9,89206	1,532981195	ENST00000616829	169714	NM_181701	QSOX2
A_21_P0011339	3,8725	3,25617	1,53297057	N/A	N/A	N/A	XLOC_I2_004772
A_23_P127279	10,3946	9,77841	1,532821816	ENST00000298784	54537	NM_019054	FAM35A
A_21_P0014778	5,00291	4,38677	1,532768694	N/A	100507516	AK295906	LOC100507516
A_23_P121875	10,4798	9,86377	1,53265183	ENST00000512085	64417	NM_022483	C5orf28
A_33_P3222203	4,93022	4,31421	1,532630584	ENST00000378661	165140	NM_148962	OXER1
A_33_P3242748	13,7614	13,1454	1,53261996	ENST00000612157	10139	NM_001267549	ARFRP1
A_23_P23728	6,09248	5,47651	1,532588091	ENST00000369146	9900	NM_014849	SV2A
A_22_P00024949	3,48173	2,86577	1,532577468	N/A	N/A	N/A	Inc-EIF2AK4-3
A_19_P00813554	7,28196	6,66608	1,532492486	N/A	100129075	NR_027123	KTN1-AS1
A_32_P107493	7,00633	6,39053	1,532407509	ENST00000301031	124045	AK056168	SPATA33
A_22_P00006076	2,42011	1,80432	1,532396887	N/A	N/A	N/A	Inc-FAM151A-3
A_33_P3243683	6,11851	5,50276	1,5323544	ENST00000389057	1729	NM_005219	DIAPH1
A_22_P00013824	5,11762	4,50204	1,532173846	N/A	N/A	BC031683	Inc-RPGRIP1-1
A_33_P3711933	7,18878	6,57323	1,532141986	ENST00000529535	143872	NM_152432	ARHGAP42
A_21_P0004847	2,16185	1,54638	1,532057028	N/A	N/A	N/A	Inc-CAP2-1
A_23_P134139	2,04824	1,43278	1,532046409	ENST00000368444	2173	NM_001446	FABP7
A_33_P3298785	5,91843	5,30302	1,531993313	ENST00000360264	1523	NM_001202543	CUX1
A_33_P3264780	7,02689	6,41158	1,531887127	ENST00000477290	1024	NM_001260	CDK8
A_21_P0012273	2,30319	1,68792	1,531844655	ENST00000612637	26960	NM_015678	NBEA
A_33_P3227661	2,00752	1,39226	1,531834037	ENST00000623198	N/A	N/A	N/A

A_23_P400066	11,6112	10,996	1,531770331	ENST00000397042	57148	NM_020336	RALGAPB
A_22_P00024975	2,07476	1,45965	1,531674777	ENST00000585386	24139	AK308580	EML2
A_21_P0011013	4,54459	3,92955	1,531600461	N/A	N/A	N/A	XLOC_I2_002729
A_22_P00019095	2,12508	1,51012	1,531515534	N/A	N/A	N/A	Inc-PROM1-1
A_23_P303203	9,38209	8,76714	1,531504918	ENST00000397677	91782	NM_152272	CHMP7
A_21_P0006548	11,7542	11,1394	1,531345693	N/A	N/A	N/A	Inc-FAM70A-1
A_23_P63980	12,9338	12,319	1,531345693	ENST00000309602	78999	NM_024036	LRFN4
A_33_P3334575	11,6022	10,9874	1,531345693	N/A	N/A	N/A	XLOC_I2_010433
A_21_P0010669	2,49616	1,8814	1,531303235	N/A	N/A	N/A	XLOC_I2_001302
A_23_P131676	13,2367	12,622	1,531239552	ENST00000272928	57007	NM_020311	ACKR3
A_24_P14974	2,20841	1,59372	1,531228938	ENST00000428798	200909	NM_182537	HTR3D
A_21_P0012973	5,59162	4,97694	1,531218324	ENST00000507435	N/A	N/A	N/A
A_21_P0004500	2,05186	1,43735	1,531037904	N/A	N/A	N/A	Inc-NIPBL-1
A_23_P106887	13,1653	12,5508	1,531027292	ENST00000568901	2521	NM_004960	FUS
A_21_P0013866	7,07567	6,46127	1,530921172	ENST00000423992	100302692	NR_028379	FTX
A_22_P00000325	3,92565	3,31128	1,530889338	ENST00000425668	100289650	NR_036584	LOC100289650
A_21_P0001759	3,81608	3,20176	1,530836283	N/A	N/A	N/A	Inc-TLR5-1
A_23_P216282	11,9381	11,3239	1,530708956	ENST00000349830	9639	NM_014629	ARHGEF10
A_24_P154948	12,0611	11,447	1,530602859	ENST00000470392	2617	NM_002047	GARS
A_33_P3306749	2,78273	2,16866	1,530571032	ENST00000615948	10439	BC000189	OLFM1
A_22_P00008094	2,99147	2,37742	1,530549814	ENST00000559211	N/A	N/A	N/A
A_23_P8763	13,2929	12,679	1,530390688	ENST00000248594	5782	NM_002835	PTPN12
A_33_P3257503	7,42146	6,80782	1,530114908	N/A	102724316	NR_110923	SVIL-AS1
A_24_P316257	6,73508	6,12156	1,529987642	ENST00000424439	283948	NM_176677	NHLRC4
A_24_P158089	8,98933	8,37589	1,529902804	ENST00000223095	5054	NM_000602	SERPINE1
A_23_P161004	3,53214	2,91874	1,529860386	ENST00000367357	2494	NM_205860	NR5A2
A_33_P3259058	12,7338	12,1204	1,529860386	ENST00000419065	389362	NM_001128592	PSMG4
A_22_P00006607	12,2201	11,6067	1,529860386	N/A	N/A	AK125955	Inc-FOXA1-2
A_22_P00010058	3,57533	2,96196	1,529828574	N/A	N/A	N/A	Inc-MON2-3
A_21_P0014675	6,31014	5,69681	1,529786159	ENST00000541888	N/A	XR_111249	N/A
A_33_P3385782	4,24972	3,63646	1,529711935	ENST00000429591	349075	NM_182633	ZNF713
A_22_P00005092	7,46951	6,85629	1,529669523	N/A	N/A	XM_003846300	Inc-DGCR6-2
A_21_P0006705	4,2613	3,64814	1,529605907	N/A	N/A	N/A	Inc-TCF7L2-1

A_23_P40354	11,3385	10,7254	1,529542294	ENST00000375571	22919	NM_012325	MAPRE1
A_33_P3297834	2,55135	1,93828	1,529510488	N/A	N/A	N/A	N/A
A_21_P0000081	11,4259	10,8129	1,529436278	N/A	79752	NM_001170797	ZFAND1
A_22_P00002911	6,92461	6,3117	1,52934087	N/A	N/A	N/A	Inc-C5orf17-4
A_22_P00013724	4,40089	3,78801	1,529309068	N/A	N/A	BX090933	Inc-RP11-817J15.3.1-2
A_21_P0010614	3,72453	3,11165	1,529309068	N/A	N/A	N/A	XLOC_I2_000910
A_23_P16652	9,22215	8,60938	1,529192469	ENST00000334241	148254	NM_152791	ZNF555
A_21_P0014516	2,22989	1,6172	1,529107675	ENST00000411615	100507406	NR_121618	LOC100507406
A_33_P3571120	12,3263	11,7137	1,529012287	ENST00000591650	8943	NM_001261826	AP3D1
A_21_P0011479	14,9102	14,2977	1,528906308	N/A	N/A	N/A	XLOC_I2_005465
A_33_P3222105	13,582	12,9695	1,528906308	ENST00000379607	1964	NM_001412	EIF1AX
A_23_P90062	12,1064	11,4941	1,528694371	ENST00000254322	3337	NM_006145	DNAJB1
A_23_P57007	7,18245	6,57024	1,528599009	N/A	N/A	AF090938	N/A
A_24_P142024	13,5714	12,9592	1,528588413	ENST00000609024	29082	NM_014169	CHMP4A
A_23_P309224	10,0233	9,41126	1,528418897	ENST00000355413	55750	NM_018238	AGK
A_33_P3318746	9,61205	9,00001	1,528418897	ENST00000366856	29097	NM_001277200	CNIH4
A_33_P3403936	2,21214	1,60013	1,528387115	ENST00000412697	619189	NM_001258031	SERINC4
A_23_P399078	13,5879	12,9759	1,528376521	ENST00000266085	7078	NM_000362	TIMP3
A_23_P208009	12,3195	11,7075	1,528376521	ENST00000299714	90701	NM_033280	SEC11C
A_24_P321511	10,3562	9,74421	1,528365927	ENST00000229314	51026	NM_016072	GOLT1B
A_33_P3343305	5,28515	4,67323	1,528291772	N/A	N/A	N/A	N/A
A_24_P226069	2,31409	1,70222	1,528238806	ENST00000259989	83888	NM_031950	FGFBP2
A_23_P309973	7,69323	7,08139	1,528207028	ENST00000467261	145376	NM_172365	PPP1R36
A_22_P00007714	6,96692	6,35525	1,528026962	N/A	N/A	N/A	Inc-HLA-DMA-1
A_23_P53663	11,0763	10,4647	1,527952824	ENST00000548075	5074	NM_002583	PAWR
A_23_P341325	16,1369	15,5253	1,527952824	ENST00000298283	140801	NM_080746	RPL10L
A_22_P00023604	2,1293	1,51771	1,527942233	ENST00000424837	102724502	XR_425265	LOC102724502
A_23_P46844	12,7156	12,1041	1,527846918	ENST00000302424	81603	NM_030912	TRIM8
A_21_P0010146	2,31666	1,70521	1,527793967	ENST00000428205	N/A	N/A	N/A
A_23_P215037	12,1533	11,5419	1,527741019	ENST00000337387	9589	NM_152858	WTAP
A_21_P0001303	2,5292	1,91791	1,527624539	N/A	N/A	N/A	Inc-PRKAA2-4
A_22_P00001020	4,9113	4,30001	1,527624539	N/A	N/A	N/A	Inc-AL391421.1-3
A_33_P3389153	11,6448	11,0336	1,527529244	ENST00000176763	6793	NM_005990	STK10



A_19_P00315716	8,17338	7,56222	1,527486892	N/A	26777	NR_002911	SNORA71A
A_33_P3346193	7,42404	6,81293	1,527433955	ENST00000368530	7170	NM_001043351	TPM3
A_22_P00019374	5,5649	4,9539	1,527317498	N/A	N/A	N/A	Inc-RDH5-1
A_24_P60972	9,8575	9,24655	1,527264566	ENST00000341170	158427	NM_139246	TSTD2
A_23_P157593	3,56694	2,95602	1,527232808	ENST00000276410	8973	NM_004198	CHRNA6
A_19_P00319558	2,0957	1,48486	1,527148122	ENST00000444792	N/A	N/A	N/A
A_33_P3344264	12,4228	11,8122	1,526894094	ENST00000589085	56931	NM_020175	DUS3L
A_24_P288685	9,0339	8,42336	1,526830594	ENST00000371642	3597	NM_001560	IL13RA1
A_21_P0010036	2,07224	1,46175	1,526777679	N/A	N/A	N/A	Inc-KIAA1755-5
A_32_P44453	11,684	11,0738	1,526470808	ENST00000444194	3628	NM_002194	INPP1
A_22_P00020723	2,43612	1,82595	1,526439066	ENST00000527684	N/A	BX098198	N/A
A_33_P3307795	2,69851	2,08849	1,526280368	ENST00000243806	79843	N/A	FAM124B
A_33_P3303102	3,86332	3,25331	1,526269788	ENST00000349841	55892	XM_005247622	MYNN
A_21_P0009094	2,32838	1,71841	1,526227472	N/A	N/A	N/A	Inc-IQCK-1
A_21_P0011251	6,59762	5,98768	1,526195735	N/A	N/A	N/A	XLOC_I2_004213
A_23_P145024	12,4072	11,7973	1,52615342	ENST00000305988	154	NM_000024	ADRB2
A_22_P00022116	5,78724	5,17742	1,526068795	N/A	N/A	N/A	Inc-PTPLA-2
A_21_P0004384	2,4891	1,87932	1,526026484	N/A	N/A	N/A	Inc-CCL28-1
A_33_P3414930	4,65258	4,04291	1,525910135	ENST00000560933	101927202	XR_244435	LOC101927202
A_23_P368645	11,0823	10,4727	1,525836099	ENST00000264167	8540	NM_003659	AGPS
A_21_P0006938	3,85579	3,24631	1,525709189	N/A	101927435	XR_242762	LOC101927435
A_33_P3294821	5,45799	4,84857	1,525645737	ENST00000612102	133060	NM_177998	OTOP1
A_33_P3228931	5,34208	4,73278	1,525518843	ENST00000360314	57091	NM_001164115	CASS4
A_33_P3395562	1,98834	1,37906	1,525497695	ENST00000544837	400757	NM_001276351	C1orf141
A_21_P0000684	12,4606	11,8514	1,525413106	ENST00000274242	100506548	NR_037665	LOC100506548
A_32_P192823	8,36634	7,75727	1,525275658	ENST00000506618	221823	NM_175886	PRPS1L1
A_23_P128817	11,8095	11,2005	1,525201653	ENST00000559503	5106	NM_004563	PCK2
A_33_P3305446	4,43925	3,83057	1,52486339	ENST00000376314	245934	NM_001011878	DEFB121
A_22_P00019101	7,44927	6,84065	1,524799974	ENST00000451164	1385	NM_134442	CREB1
A_24_P396167	2,07146	1,46303	1,524599174	ENST00000307886	1521	NM_001335	CTSW
A_22_P00003140	2,4319	1,82349	1,524578039	ENST00000430058	101928337	XR_428581	PTCSC2
A_33_P3269885	2,16918	1,56077	1,524578039	ENST00000484079	55532	NM_018713	SLC30A10
A_22_P00004477	3,6584	3,05001	1,524556904	ENST00000502102	100507250	NR_038930	LOC100507250

A_21_P0004367	2,21982	1,61145	1,524535769	N/A	N/A	N/A	Inc-CDH18-4
A_23_P207213	13,8956	13,2873	1,5244618	ENST00000485472	218	NM_000691	ALDH3A1
A_33_P3630129	6,76707	6,15882	1,524408967	N/A	440918	AK128708	FLJ46875
A_33_P3246413	2,45784	1,84965	1,52434557	N/A	N/A	N/A	N/A
A_22_P00023330	2,1363	1,52813	1,524324439	ENST00000412900	N/A	N/A	N/A
A_21_P0012404	6,11329	5,5052	1,524239914	ENST00000478772	100507274	N/A	LINC01210
A_21_P0003779	2,42348	1,8154	1,524229349	N/A	N/A	N/A	Inc-INPP4B-1
A_33_P3344292	4,10715	3,49907	1,524229349	ENST00000554335	23034	N/A	SAMD4A
A_21_P0008968	2,9629	2,35484	1,524208219	N/A	N/A	N/A	Inc-RP11-44L9.1.1-8
A_23_P139958	9,80697	9,19904	1,52407088	ENST00000477277	1024	NM_001260	CDK8
A_23_P120566	12,5454	11,9375	1,524039188	ENST00000246043	6238	NM_001042576	RRBP1
A_21_P0014254	3,98108	3,37329	1,523922991	ENST00000422642	645954	NR_036438	SVILP1
A_24_P189533	11,3226	10,7149	1,523827926	ENST00000278505	23052	NM_015036	ENDOD1
A_33_P3327192	5,41889	4,8112	1,523817364	ENST00000453179	N/A	DA142060	N/A
A_23_P115872	11,4854	10,8778	1,523722306	ENST00000371485	55165	NM_018131	CEP55
A_33_P3242873	7,05575	6,44824	1,523627254	ENST00000366868	51660	NM_001270879	MPC1
A_23_P122508	2,50041	1,89292	1,523606133	ENST00000414703	135656	NM_080870	DPCR1
A_22_P00015682	2,69755	2,09009	1,52357445	ENST00000447396	N/A	N/A	N/A
A_32_P226646	6,37098	5,76355	1,523542769	N/A	100129781	XR_109259	LOC100129781
A_22_P00006379	6,97195	6,36466	1,523394931	ENST00000606251	N/A	XR_425878	N/A
A_21_P0002315	2,45965	1,85237	1,523384371	N/A	N/A	N/A	Inc-GORASP2-1
A_19_P00317168	2,15659	1,54934	1,523352694	N/A	N/A	N/A	XL0C_I2_002160
A_33_P3310548	2,76453	2,15732	1,523310458	N/A	100131131	AY358263	LOC100131131
A_24_P73389	9,04202	8,43482	1,523299899	ENST00000376547	8428	NM_001032296	STK24
A_33_P3325355	14,8155	14,2085	1,52308874	ENST00000372813	10953	NM_006809	TOMM34
A_22_P00003684	3,42327	2,81628	1,523078182	N/A	N/A	N/A	Inc-CDH1-1
A_21_P0009057	6,53318	5,92619	1,523078182	ENST00000558842	463	N/A	ZFH3
A_33_P3358641	10,5925	9,98555	1,523035954	ENST00000392000	9208	NM_001137552	LRRFIP1
A_24_P941376	7,30252	6,69558	1,523025398	ENST00000391821	25888	NM_015428	ZNF473
A_23_P213385	13,467	12,8601	1,522983171	ENST00000322611	10409	NM_006317	BASP1
A_22_P00011934	5,14315	4,53634	1,522888165	ENST00000511256	101927953	NR_105050	C5orf66-AS1
A_33_P3386591	1,99504	1,38823	1,522888165	ENST00000453326	100996648	NM_001277423	TCP11X2
A_33_P3329339	5,55824	4,95169	1,522613738	N/A	644990	NR_046244	THRB-AS1

A_33_P3274754	3,91515	3,30864	1,522571522	N/A	100131434	NR_027455	LINC00893
A_33_P3310562	3,93196	3,32546	1,522560969	N/A	N/A	AY927497	N/A
A_23_P125253	2,22362	1,61718	1,522497649	ENST00000509803	9079	XM_006713979	LDB2
A_24_P169234	2,92182	2,31548	1,522392121	ENST00000451498	7535	NM_001079	ZAP70
A_32_P23308	2,04456	1,43826	1,522349912	N/A	257358	NR_026945	LINC01366
A_21_P0013254	5,81083	5,20461	1,522265497	ENST00000418395	N/A	N/A	N/A
A_33_P3300158	4,79866	4,19244	1,522265497	N/A	100130078	AK094659	LOC100130078
A_33_P3361147	8,12703	7,52082	1,522254946	ENST00000371162	N/A	AK130707	N/A
A_33_P3234267	5,53658	4,93045	1,522170536	N/A	100130442	AK131364	LOC100130442
A_33_P3315263	4,86257	4,25648	1,522128333	ENST00000330553	338785	NM_175834	KRT79
A_33_P3258723	10,264	9,65794	1,522096682	ENST00000507937	64777	NM_001288794	RMND5B
A_24_P387609	7,6863	7,08036	1,521970083	ENST00000375991	81689	NM_030940	ISCA1
A_21_P0011853	6,76023	6,15433	1,521927885	N/A	100507460	N/A	LOC100507460
A_32_P26376	10,0143	9,40842	1,521906787	ENST00000295588	56983	NM_152305	POGLUT1
A_21_P0006542	1,98184	1,37596	1,521906787	N/A	101928258	XR_426540	LOC101928258
A_21_P0007706	5,19661	4,59074	1,521896238	N/A	N/A	N/A	Inc-ADCY6-1
A_24_P48057	7,0943	6,48845	1,52187514	ENST00000620085	10265	NM_005853	IRX5
A_22_P00017533	3,7531	3,14734	1,521780204	N/A	N/A	N/A	Inc-WDR26-2
A_21_P0014907	3,81763	3,21187	1,521780204	N/A	N/A	N/A	N/A
A_33_P3312799	5,01229	4,40665	1,521653631	ENST00000420308	N/A	N/A	N/A
A_33_P3394858	1,99844	1,39289	1,521558708	ENST00000412122	100188953	NR_024129	LINC00092
A_33_P3339481	2,8607	2,25529	1,521411062	ENST00000370392	56479	BC050689	KCNQ5
A_33_P3416882	6,62735	6,02195	1,521400517	ENST00000360096	132946	NM_206919	ARL9
A_33_P3242863	9,29635	8,69107	1,521273975	ENST00000616989	56953	NM_020201	NT5M
A_32_P486693	4,07414	3,46895	1,521179076	ENST00000309166	56675	NM_020645	NRIP3
A_21_P0003777	4,32748	3,7223	1,521168532	N/A	N/A	N/A	Inc-SETD7-1
A_32_P113566	5,46009	4,85511	1,520957668	ENST00000403056	114781	NM_152733	BTBD9
A_33_P3260964	4,1603	3,55534	1,520936583	N/A	731779	NR_024441	LINC01300
A_33_P3258977	2,2464	1,64146	1,520915499	ENST00000299665	338339	NM_080387	CLEC4D
A_22_P00013904	7,9603	7,35538	1,520894415	ENST00000510550	100132987	AF086162	LINC00856
A_24_P415280	5,62905	5,02417	1,520852247	ENST00000298428	55176	NM_018144	SEC61A2
A_23_P26511	5,85378	5,24894	1,520810081	ENST00000406256	79153	NM_024307	GDPD3
A_24_P271014	9,07166	8,46684	1,520788998	ENST00000582594	9989	NM_001042388	PPP4R1

A_33_P3354792	2,70522	2,1004	1,520788998	ENST00000597278	441179	XR_112948	LOC441179
A_23_P64044	12,1338	11,5292	1,520557107	ENST00000540554	83706	NM_178443	FERMT3
A_33_P3247629	7,29698	6,69246	1,520472792	ENST00000450991	25977	NM_015509	NECAP1
A_21_P0014514	2,56533	1,96082	1,520462253	N/A	N/A	BG927974	N/A
A_22_P00004943	3,53908	2,9346	1,520430636	N/A	N/A	N/A	Inc-DCAF4L2-2
A_24_P694820	3,01508	2,41061	1,520420097	N/A	N/A	N/A	Inc-ZNF236-1
A_33_P3418710	3,42447	2,82001	1,520409558	ENST00000357726	390999	NM_001080830	PRAMEF12
A_33_P3398143	6,40223	5,79778	1,52039902	N/A	N/A	N/A	N/A
A_21_P0012182	7,7398	7,13538	1,520367404	ENST00000432875	284232	NR_027995	ANKRD20A9P
A_22_P00014572	5,32512	4,72079	1,520272562	N/A	N/A	N/A	Inc-SLA2-2
A_33_P3254756	10,5646	9,9603	1,520240949	N/A	550112	NR_015439	UBA6-AS1
A_21_P0001266	2,10589	1,50161	1,520219874	N/A	N/A	N/A	Inc-CLCNKB-3
A_23_P52986	6,71072	6,10647	1,520188262	ENST00000335613	220001	NM_152718	VWCE
A_23_P37949	9,001	8,39685	1,520082894	ENST00000573704	79228	NM_024339	THOC6
A_33_P3383856	6,18943	5,58537	1,51998807	ENST00000330912	11219	NM_080701	TREX2
A_33_P3274763	2,51979	1,91586	1,519851111	N/A	N/A	N/A	N/A
A_24_P272073	9,56387	8,95994	1,519851111	ENST00000525280	N/A	N/A	N/A
A_33_P3314850	2,09298	1,48907	1,519830042	ENST00000390360	N/A	A25966	N/A
A_21_P0013756	10,5221	9,91824	1,519777369	ENST00000421897	N/A	N/A	N/A
A_23_P37623	10,7152	10,1114	1,519714165	ENST00000432566	23015	NM_181077	GOLGA8A
A_23_P1331	2,07628	1,47253	1,519661496	ENST00000478219	1305	NM_080801	COL13A1
A_22_P00025644	4,37153	3,76781	1,519629896	N/A	N/A	N/A	Inc-LEPROT-1
A_23_P114774	11,2334	10,6297	1,51960883	ENST00000368467	10654	NM_006556	PMVK
A_33_P3280325	3,20818	2,60452	1,519566698	N/A	N/A	N/A	N/A
A_33_P3250289	6,44958	5,84594	1,519545632	ENST00000395611	5599	NM_001278548	MAPK8
A_33_P3347387	8,73429	8,1307	1,51949297	ENST00000603072	N/A	N/A	N/A
A_23_P52227	2,38468	1,78114	1,519440309	ENST00000580279	2662	NM_004962	GDF10
A_24_P109633	7,0354	6,43186	1,519440309	ENST00000267615	3705	NM_001142594	ITPK1
A_21_P0003228	3,58913	2,98563	1,519398182	N/A	N/A	N/A	Inc-GNAI2-1
A_33_P3311145	2,36278	1,7593	1,519377119	ENST00000533675	22897	NM_001271933	CEP164
A_33_P3294159	5,64237	5,03892	1,519345524	ENST00000368555	50632	NM_015722	CALY
A_22_P00006074	2,40952	1,80613	1,519282338	N/A	N/A	N/A	Inc-FAM151A-1
A_33_P3224803	6,14245	5,53907	1,519271807	ENST00000438106	653361	NM_000265	NCF1

A_33_P3238455	9,33294	8,72967	1,519155973	ENST00000483871	6431	NR_034009	SRSF6
A_33_P3265965	8,015	7,41178	1,519103324	ENST00000514798	57587	NM_001292033	CFAP97
A_23_P428329	2,22558	1,6224	1,519061206	ENST00000376504	256297	NM_178161	PTF1A
A_33_P3399038	2,13571	1,53255	1,519040147	N/A	574431	AK057159	C1orf147
A_32_P154830	7,77605	7,1729	1,519029618	ENST00000492130	28962	NM_014028	OSTM1
A_21_P0013992	2,05881	1,45579	1,518892746	N/A	N/A	N/A	N/A
A_21_P0007217	11,2426	10,64	1,518450628	N/A	N/A	N/A	Inc-LGALS12-2
A_22_P00022770	4,97126	4,36869	1,518419053	N/A	N/A	N/A	Inc-AF127577.1-4
A_21_P0001451	2,25988	1,65731	1,518419053	N/A	102724425	XR_425119	LOC102724425
A_23_P107483	2,72225	2,11975	1,51834538	ENST00000291231	8392	NM_012373	OR3A3
A_33_P3338440	4,65634	4,05391	1,518271711	N/A	92017	BC029857	SNX29
A_23_P27107	3,21366	2,61128	1,518219093	ENST00000270560	9032	NM_003963	TM4SF5
A_33_P3305368	10,228	9,62575	1,518082294	ENST00000310532	64794	NM_138620	DDX31
A_23_P217367	8,7522	8,15002	1,518008638	ENST00000372246	115201	NM_052936	ATG4A
A_32_P396186	7,49626	6,89416	1,517924464	ENST00000299550	9866	NM_014818	TRIM66
A_23_P384857	4,72918	4,12711	1,5178929	ENST00000398220	N/A	N/A	N/A
A_32_P93036	6,28052	5,67848	1,517861336	N/A	N/A	CU678501	N/A
A_22_P00009020	6,43713	5,8351	1,517850815	N/A	N/A	N/A	Inc-LCE5A-1
A_23_P162449	11,0603	10,4583	1,517819253	ENST00000355086	57522	NM_020762	SRGAP1
A_23_P164559	10,3336	9,73168	1,51773509	ENST00000361283	283489	NM_032436	CHAMP1
A_23_P95764	12,6404	12,0385	1,517714049	ENST00000372435	5631	NM_002764	PRPS1
A_33_P3272456	2,37327	1,7714	1,51768249	N/A	N/A	N/A	N/A
A_22_P00013665	4,56186	3,96005	1,517619372	ENST00000530834	N/A	BX105271	N/A
A_21_P0013697	7,8952	7,29345	1,517556258	ENST00000418795	100131997	N/A	FAM27E3
A_23_P253177	13,6028	13,0011	1,517503664	ENST00000376547	8428	NM_001032296	STK24
A_23_P129903	13,0671	12,4654	1,517503664	ENST00000572555	147166	NM_001037330	TRIM16L
A_24_P192994	12,8518	12,2501	1,517503664	ENST00000350997	3992	NM_013402	FADS1
A_33_P3245575	7,55056	6,94887	1,517493146	ENST00000597075	79709	NM_024656	COLGALT1
A_22_P00001575	3,22827	2,62661	1,517461591	N/A	N/A	N/A	Inc-ARL4C-2
A_32_P4595	2,037	1,43534	1,517461591	ENST00000435422	6444	NM_000337	SGCD
A_33_P3320743	2,25927	1,65762	1,517451072	ENST00000344839	100131137	NM_001128326	BSPH1
A_23_P217151	7,8836	7,28196	1,517440554	ENST00000344302	55634	NM_017776	KRBOX4
A_22_P00012317	3,64754	3,0459	1,517440554	N/A	N/A	N/A	Inc-PPRC1-1

A_23_P39656	9,03182	8,43019	1,517430036	ENST00000474339	64320	NM_022453	RNF25
A_32_P182388	9,86736	9,26574	1,517419518	ENST00000314531	58492	NM_021217	ZNF77
A_33_P3419419	5,31463	4,71302	1,517409	ENST00000367184	5287	N/A	PIK3C2B
A_23_P101642	11,2837	10,6821	1,517398482	ENST00000376350	5794	NM_002842	PTPRH
A_21_P0008251	1,99468	1,39325	1,51721969	N/A	N/A	N/A	Inc-C13orf44-1
A_23_P15182	11,1589	10,5575	1,517188141	ENST00000219204	23568	NM_012106	ARL2BP
A_23_P101774	3,95679	3,35543	1,517146076	ENST00000222248	6528	NM_000453	SLC5A5
A_21_P0005360	4,74843	4,14711	1,517104012	N/A	N/A	N/A	Inc-IL6-3
A_21_P0000152	6,62843	6,02714	1,517072466	N/A	960	NM_001202557	CD44
A_24_P155502	5,87405	5,27282	1,517009374	ENST00000309668	3626	NM_005538	INHBC
A_23_P167269	11,213	10,6118	1,516977829	ENST00000358572	55319	NM_018352	TMA16
A_23_P101054	3,84277	3,24164	1,516904226	ENST00000394001	3885	NM_021013	KRT34
A_23_P102607	7,17885	6,57773	1,516893712	ENST00000373222	84181	BC039860	CHD6
A_22_P00009147	5,38355	4,78245	1,516872683	N/A	100129940	NR_120478	LOC100129940
A_33_P3221293	11,0779	10,4768	1,516872683	ENST00000409775	1687	NM_004403	DFNA5
A_33_P3423300	13,4626	12,8615	1,516872683	ENST00000356861	30000	NM_001136195	TNPO2
A_23_P57417	4,3078	3,70673	1,516841141	ENST00000612388	4320	NM_005940	MMP11
A_23_P73702	8,884	8,28297	1,516799086	ENST00000374080	9968	NM_005120	MED12
A_23_P131060	10,1097	9,50868	1,516788572	ENST00000441682	11283	NM_007253	CYP4F8
A_32_P151823	11,6618	11,061	1,516557291	ENST00000521369	N/A	BC040619	N/A
A_33_P3265030	7,28945	6,68867	1,516536268	ENST00000431044	2812	NM_000407	GP1BB
A_21_P0007378	2,03838	1,4377	1,516431153	ENST00000526840	101928944	NR_120570	LOC101928944
A_24_P362572	12,7651	12,1645	1,516347066	ENST00000409600	9689	NM_014670	BZW1
A_23_P214080	12,614	12,0134	1,516347066	ENST00000239938	1958	NM_001964	EGR1
A_33_P3354176	7,52184	6,92128	1,516305025	ENST00000371488	26509	N/A	MYOF
A_33_P3362193	15,5395	14,939	1,516241965	ENST00000586534	5886	NM_005053	RAD23A
A_23_P315286	11,5918	10,9913	1,516241965	ENST00000361574	91300	NM_138774	R3HDM4
A_33_P3330958	2,35257	1,7521	1,516210436	ENST00000575455	64359	BC104634	NXN
A_21_P0002624	3,61145	3,01116	1,516021275	N/A	N/A	N/A	Inc-CPO-1
A_32_P7204	6,22162	5,62138	1,515968735	ENST00000288723	9364	NM_004249	RAB28
A_21_P0000580	2,21874	1,61863	1,515832139	ENST00000534909	100309464	NR_029385	OTX2-AS1
A_22_P00006143	7,75614	7,15605	1,515811125	N/A	N/A	AL109707	Inc-FAM189A1-3
A_22_P00001606	4,0746	3,47499	1,515306882	ENST00000440769	729040	XR_241838	LOC729040

A_23_P300124	5,00116	4,40166	1,51519135	ENST00000406438	140775	NM_144775	SMCR8
A_33_P3282005	7,57739	6,9779	1,515180848	ENST00000368061	57216	NM_020335	VANGL2
A_33_P3399793	5,0769	4,47741	1,515180848	N/A	N/A	AK130290	N/A
A_21_P0006606	3,36388	2,76453	1,515033821	N/A	N/A	N/A	Inc-GYG2P1-1
A_23_P368484	7,03988	6,44061	1,514949812	ENST00000409887	388341	NM_207387	LRR75A
A_24_P221414	5,75256	5,15334	1,514897309	ENST00000457059	1780	NM_004411	DYNC111
A_21_P0009404	4,71908	4,11989	1,514865807	N/A	N/A	N/A	Inc-ACCN1-1
A_22_P00005389	3,49429	2,89536	1,514592826	N/A	101927718	NR_110788	DSG1-AS1
A_22_P00007452	3,42487	2,82598	1,514550833	N/A	N/A	N/A	Inc-GTDC1-2
A_23_P107587	11,2065	10,6077	1,514456353	ENST00000588867	4864	NM_000271	NPC1
A_33_P3841368	9,1274	8,52862	1,514435358	ENST00000382824	26260	AK091672	FBXO25
A_33_P3359713	6,43637	5,8376	1,514424861	N/A	N/A	CK825926	N/A
A_23_P140384	4,18926	3,5905	1,514414364	ENST00000216336	1511	NM_001911	CTSG
A_22_P00024841	10,7732	10,1745	1,514351383	ENST00000489203	55968	NM_018839	NSFL1C
A_21_P0001509	2,50744	1,90888	1,514204436	ENST00000569425	N/A	N/A	N/A
A_23_P329772	12,5322	11,9337	1,514141463	ENST00000566354	27183	NM_013245	VPS4A
A_22_P00004530	2,17118	1,5727	1,514120473	ENST00000530049	N/A	BF685947	N/A
A_24_P350683	5,85215	5,25371	1,514078493	ENST00000374086	6548	BC012121	SLC9A1
A_33_P3233100	4,4467	3,84828	1,514057504	N/A	N/A	N/A	N/A
A_21_P0013748	5,33045	4,73206	1,51402602	ENST00000430562	401577	NR_033381	CD99P1
A_23_P104942	13,4619	12,8636	1,513931573	ENST00000529403	51075	NM_015959	TMX2
A_23_P11070	2,06609	1,46795	1,513763682	ENST00000276077	84636	NM_032553	GPR174
A_23_P41025	12,6428	12,0447	1,513721713	ENST00000496254	26354	NM_014366	GNL3
A_24_P166789	11,728	11,1301	1,513511881	ENST00000262644	54928	NM_017813	IMPAD1
A_33_P3374723	4,10145	3,50361	1,513448937	ENST00000488625	6935	NM_001128128	ZEB1
A_33_P3296582	5,41971	4,82201	1,513302078	ENST00000315366	79642	NM_024590	ARSJ
A_22_P00005473	2,57569	1,97805	1,513239143	N/A	N/A	N/A	Inc-DYNC111-2
A_21_P0007931	3,09537	2,49774	1,513228654	ENST00000455241	100874127	N/A	LINC00332
A_21_P0001175	2,17992	1,58235	1,513165722	N/A	N/A	N/A	Inc-PPIAL4G-3
A_21_P0007476	5,84242	5,24486	1,513155233	ENST00000549830	283404	NR_027358	LINC00592
A_21_P0006124	2,21288	1,61534	1,513134257	N/A	N/A	N/A	Inc-KDM4C-6
A_23_P376124	2,00702	1,40955	1,513060841	ENST00000308227	122665	NM_138331	RNASE8
A_23_P93082	8,85225	8,25497	1,512861587	ENST00000446295	116150	NM_138459	NUS1

A_21_P0005600	3,24707	2,64995	1,512693814	N/A	N/A	N/A	Inc-C7orf11-7
A_33_P3832852	10,0373	9,4402	1,512672844	ENST00000391623	55142	NM_018097	HAUS2
A_23_P156683	3,71554	3,11848	1,512630905	ENST00000383303	4049	NM_000595	LTA
A_33_P3361202	6,83687	6,23985	1,512588966	ENST00000366686	126731	NM_145257	CCSAP
A_24_P85181	10,2163	9,61934	1,512526061	ENST00000253699	64145	NM_022340	RBSN
A_22_P00003159	2,05743	1,46054	1,512452674	ENST00000565882	N/A	BC036799	N/A
A_23_P53015	8,53754	7,94068	1,512421224	ENST00000469480	64852	NM_022830	TUT1
A_21_P0003717	2,2542	1,65744	1,512316394	N/A	N/A	N/A	Inc-ABLIM2-1
A_23_P321496	4,89363	4,29689	1,512295429	ENST00000471407	149992	NR_026916	ANKRD30BP2
A_33_P3233649	8,55598	7,95935	1,512180127	ENST00000397338	133686	NM_001085411	NADK2
A_22_P00018181	2,18736	1,59118	1,511708527	ENST00000513422	N/A	N/A	N/A
A_33_P3302354	6,3319	5,73575	1,511677092	ENST00000620406	23523	NM_001199281	CABIN1
A_33_P3377151	3,69363	3,09752	1,51163518	ENST00000378800	6363	NM_006274	CCL19
A_22_P00016624	2,14681	1,55072	1,511614225	N/A	N/A	N/A	Inc-TOP3A-1
A_33_P3380236	4,84662	4,2506	1,511540883	ENST00000423408	N/A	N/A	N/A
A_22_P00017709	6,58203	5,98607	1,511478021	ENST00000522755	101929172	NR_104677	LOC101929172
A_22_P00013270	2,55024	1,95429	1,511467544	N/A	101927352	NR_110384	PLS3-AS1
A_33_P3304304	7,49511	6,89923	1,511394209	ENST00000394478	10735	N/A	STAG2
A_33_P3237891	3,97459	3,37887	1,511226599	ENST00000409922	N/A	N/A	N/A
A_23_P84118	2,09751	1,50194	1,511069482	ENST00000507958	1016	NM_004934	CDH18
A_19_P00322228	8,38209	7,78652	1,511069482	ENST00000426528	102725166	N/A	LOC102725166
A_33_P3397763	9,42426	8,82875	1,51100664	ENST00000245817	8744	NM_003811	TNFSF9
A_22_P00024513	2,47011	1,87469	1,510912381	ENST00000562772	338694	NR_104161	LOC338694
A_33_P3369790	8,23356	7,63817	1,510880963	ENST00000585737	199720	NM_152657	GGN
A_21_P0008045	2,18976	1,59449	1,510755297	N/A	N/A	N/A	Inc-B3GALTL-1
A_24_P212531	7,98493	7,38968	1,510734353	ENST00000461994	148789	NM_152490	B3GALNT2
A_23_P51587	2,4446	1,84936	1,510723882	ENST00000401882	6000	NM_002924	RGS7
A_33_P3348719	3,45032	2,85518	1,51061917	ENST00000382353	2254	NM_002010	FGF9
A_22_P00016515	1,98064	1,38566	1,510451646	N/A	N/A	N/A	Inc-TMPRSS2-1
A_33_P3283122	5,63486	5,03991	1,510420237	ENST00000403733	80014	NM_024949	WWC2
A_24_P2648	10,4955	9,90069	1,510273672	ENST00000543945	5784	NM_005401	PTPN14
A_23_P127128	11,5752	10,9804	1,510263204	ENST00000376980	64215	NM_022365	DNAJC1
A_22_P00011308	3,44353	2,8489	1,510085253	ENST00000582300	N/A	CF454632	N/A



A_33_P3279959	2,03357	1,43897	1,510053852	ENST00000423507	91584	NM_001105543	PLXNA4
A_33_P3281741	4,17968	3,58509	1,510043385	ENST00000428343	731220	NM_001145664	RFX8
A_33_P3401262	1,98541	1,3909	1,509959653	ENST00000396314	148930	NM_001097611	KNCN
A_21_P0007442	2,95581	2,36134	1,509917788	N/A	N/A	N/A	Inc-FOLR3-1
A_24_P176255	8,61525	8,02088	1,509813132	ENST00000220429	2553	NM_005254	GABPB1
A_22_P00012599	2,07385	1,47983	1,509446894	ENST00000452199	400800	XR_241167	FLJ43585
A_22_P00012529	2,84567	2,25172	1,509373657	N/A	N/A	AK309770	Inc-PSMG4-1
A_21_P0009587	2,08457	1,49066	1,509331809	N/A	101927651	XR_245486	LOC101927651
A_21_P0003706	4,62687	4,03304	1,509248116	ENST00000623933	N/A	XR_430626	N/A
A_24_P138784	2,11434	1,52062	1,509133046	ENST00000374998	146664	NM_144677	MGAT5B
A_22_P00008067	2,4914	1,8977	1,509112125	ENST00000569711	101927876	NR_125946	LOC101927876
A_22_P00019851	5,55908	4,96542	1,509070284	N/A	N/A	N/A	Inc-ATP6AP1L-2
A_21_P0005949	9,73355	9,14006	1,508892473	ENST00000617087	5820	NR_003367	PVT1
A_21_P0000247	10,0485	9,45506	1,50884018	ENST00000566039	595100	NR_002443	SNORD18C
A_32_P99347	5,48607	4,89274	1,508725141	ENST00000423546	100128385	NR_024376	FAM225B
A_24_P918843	6,54229	5,94897	1,508714683	ENST00000556839	253959	NM_194301	RALGAPA1
A_24_P358321	5,56005	4,96685	1,508589197	ENST00000491977	N/A	U21012	N/A
A_23_P385500	5,48394	4,89075	1,50857874	ENST00000541206	115992	NM_178841	RNF166
A_21_P0004248	2,41128	1,81821	1,508453266	N/A	N/A	N/A	Inc-MRPS30-4
A_33_P3210667	2,2214	1,62838	1,508400987	ENST00000521616	9892	NM_001256717	SNAP91
A_33_P3349637	15,0367	14,4437	1,508380077	ENST00000394536	5097	NM_002587	PCDH1
A_33_P3388948	11,1526	10,5597	1,508275527	ENST00000374232	401548	NM_001012994	SNX30
A_23_P131348	9,26974	8,67702	1,508087357	ENST00000530095	80745	NM_025264	THUMPD2
A_24_P7143	8,01954	7,4269	1,508003733	ENST00000438652	4430	NM_012223	MYO1B
A_33_P3232627	6,76217	6,16957	1,507961923	ENST00000410104	N/A	AB384543	N/A
A_23_P106859	13,2089	12,6163	1,507961923	ENST00000597291	10328	NM_006067	EMC8
A_23_P402610	7,49866	6,9061	1,507920114	ENST00000314666	5198	NM_012393	PFAS
A_22_P00025111	4,34737	3,75484	1,507888758	N/A	N/A	AK054908	Inc-LCN6-1
A_23_P27606	7,52038	6,92788	1,507857403	ENST00000263379	9466	NM_004843	IL27RA
A_22_P00022264	2,2897	1,69725	1,507805145	N/A	101928855	NR_110852	LOC101928855
A_23_P28697	4,37424	3,78182	1,507773792	ENST00000402698	23498	NM_012205	HAAO
A_33_P3363445	2,12154	1,52914	1,507752889	ENST00000422961	100506014	XR_425355	LOC100506014
A_23_P10081	7,95426	7,36198	1,507627483	ENST00000335438	200894	NM_182896	ARL13B

A_24_P641130	9,91518	9,32301	1,507512537	ENST00000464106	7916	NM_080686	PRRC2A
A_21_P0002370	1,99565	1,4035	1,507491638	N/A	N/A	N/A	Inc-SP140-3
A_22_P00011279	3,24068	2,64855	1,50747074	ENST00000527054	N/A	N/A	N/A
A_33_P3365263	2,17163	1,57972	1,50724088	ENST00000515154	N/A	N/A	N/A
A_23_P1948	13,7161	13,1242	1,507230433	ENST00000532208	79081	NM_024099	LBHD1
A_33_P3357658	9,13977	8,54791	1,507188644	ENST00000354636	8091	NM_001300919	HMGA2
A_33_P3245163	2,1761	1,58426	1,50716775	N/A	4609	M13930	MYC
A_23_P119763	3,54822	2,9564	1,507146856	ENST00000409962	64240	NM_022436	ABCG5
A_33_P3229027	11,4846	10,8929	1,507021501	ENST00000520674	285613	NM_173828	RELL2
A_21_P0004722	3,78049	3,18889	1,506917046	ENST00000606227	N/A	XM_006715151	N/A
A_22_P00007948	4,87272	4,28113	1,5069066	N/A	N/A	N/A	Inc-IBTK-2
A_24_P198820	8,79994	8,20842	1,506833487	ENST00000447079	51755	NM_016507	CDK12
A_23_P39561	11,1368	10,5454	1,506708157	ENST00000440223	140739	NM_080678	UBE2F
A_33_P3294881	9,75988	9,16852	1,506666383	ENST00000611584	51244	NM_016474	CCDC174
A_23_P50008	12,0965	11,5052	1,506603723	ENST00000481107	54902	NM_017775	TTC19
A_23_P111395	3,07204	2,48076	1,506582838	ENST00000498556	6582	NM_003058	SLC22A2
A_22_P00002022	4,98928	4,39815	1,506426203	N/A	101930010	NR_125866	LOC101930010
A_23_P86838	8,66564	8,0746	1,50633223	ENST00000326402	120103	NM_152313	SLC36A4
A_22_P00019856	2,02313	1,43209	1,50633223	N/A	N/A	BG213769	Inc-SKA2-2
A_24_P289383	9,97624	9,38525	1,506280026	ENST00000423902	55636	NM_017780	CHD7
A_23_P353514	5,3001	4,70914	1,506248704	ENST00000337339	10943	NM_078628	MSL3
A_24_P360269	11,1571	10,5662	1,506186062	ENST00000467705	8635	NM_003730	RNASET2
A_33_P3329104	5,12438	4,53348	1,506186062	N/A	N/A	N/A	N/A
A_21_P0011950	9,78077	9,18999	1,506060786	ENST00000451884	N/A	N/A	N/A
A_33_P3256778	4,7652	4,17449	1,505987714	ENST00000361987	1270	NM_000614	CNTF
A_21_P0003822	2,87427	2,28358	1,505966836	N/A	N/A	N/A	Inc-FRG2-3
A_22_P00004478	4,41339	3,8227	1,505966836	ENST00000433116	100507250	NR_038930	LOC100507250
A_33_P3260659	2,05733	1,4667	1,505904206	ENST00000366474	26696	NM_030904	OR2T1
A_23_P258912	6,91915	6,3286	1,505820703	ENST00000520298	9172	NM_003970	MYOM2
A_32_P40375	9,13892	8,5486	1,505580659	ENST00000471090	441528	N/A	LOC441528
A_22_P00016938	3,89786	3,30756	1,505559787	ENST00000543036	N/A	AK095365	N/A
A_21_P0013214	2,22628	1,63606	1,505476304	N/A	N/A	N/A	XLOC_I2_013442
A_22_P00004554	3,2704	2,6802	1,505455433	N/A	N/A	N/A	Inc-CRLF3-1

A_23_P1083	3,6101	3,01992	1,505434563	ENST00000342280	2701	NM_002060	GJA4
A_22_P00009279	2,21724	1,62706	1,505434563	N/A	N/A	BM559346	Inc-LRRC18-2
A_23_P210515	8,06444	7,47448	1,505205014	ENST00000290231	57727	NM_020967	NCOA5
A_21_P0006936	3,04699	2,45705	1,505184147	N/A	N/A	N/A	Inc-GLRX3-3
A_23_P251505	13,56	12,9702	1,50503809	ENST00000438747	55695	NM_148956	NSUN5
A_23_P134477	11,9863	11,3966	1,504933773	ENST00000397098	84310	NM_032350	C7orf50
A_24_P380679	8,25327	7,66373	1,504766879	ENST00000312849	286006	NM_182597	LSMEM1
A_23_P164000	11,04	10,4505	1,504725159	ENST00000581010	26168	NM_015670	SENP3
A_33_P3289820	10,5103	9,92091	1,504610434	ENST00000273221	9922	NM_001134382	IQSEC1
A_33_P3417086	9,11914	8,52975	1,504610434	ENST00000295461	152519	NM_207330	NIPAL1
A_22_P00007973	2,6772	2,08783	1,504589576	N/A	N/A	N/A	Inc-IDH3B-1
A_22_P00012116	7,32191	6,73257	1,504558289	ENST00000541341	2802	NM_001172557	GOLGA3
A_33_P3227990	5,82705	5,23783	1,504433148	ENST00000397865	4155	NM_001025101	MBP
A_23_P166536	11,1205	10,5313	1,504412293	ENST00000457780	23774	NM_014577	BRD1
A_24_P64233	9,21513	8,62602	1,504318446	ENST00000377698	219	NM_000692	ALDH1B1
A_22_P00010308	2,08313	1,49403	1,504308018	N/A	N/A	BU658380	Inc-MTX3-1
A_33_P3570193	2,26568	1,67659	1,504297591	ENST00000612344	284124	N/A	FLJ36000
A_22_P00015287	4,09889	3,5098	1,504297591	N/A	N/A	N/A	Inc-SPATA9-1
A_33_P3821350	4,59185	4,00276	1,504297591	N/A	55478	BC019830	PRO2012
A_23_P306956	5,65607	5,06703	1,504245457	ENST00000424129	84924	NM_032838	ZNF566
A_23_P58862	6,97703	6,388	1,504235031	ENST00000515323	57579	NM_020819	FAM135A
A_33_P3236035	2,25709	1,6681	1,504193325	N/A	23081	BC053678	KDM4C
A_33_P3387931	7,77144	7,18245	1,504193325	ENST00000375576	401541	NM_001012267	CENPP
A_33_P3278906	8,13	7,54117	1,504026514	ENST00000395374	51105	NM_198513	PHF20L1
A_23_P400378	4,58998	4,00116	1,504016089	ENST00000521462	151306	NM_001077191	GPBAR1
A_19_P00812554	6,43518	5,84646	1,503911842	N/A	100499227	NR_034160	USP2-AS1
A_33_P3213726	4,31659	3,72796	1,503818026	ENST00000392156	92285	NM_152279	ZNF585B
A_21_P0000820	4,71937	4,13081	1,503745062	N/A	100506668	NR_038854	NRAV
A_23_P53891	14,745	14,1565	1,503682524	ENST00000539231	688	NM_001730	KLF5
A_22_P00006458	5,35206	4,76365	1,503588723	N/A	N/A	N/A	Inc-FCHSD2-2
A_23_P204324	10,7806	10,1922	1,503578301	ENST00000546757	10059	NM_012062	DNM1L
A_33_P3416414	10,4265	9,83812	1,503557457	ENST00000518968	N/A	N/A	N/A
A_33_P3403048	7,82746	7,23936	1,503265673	N/A	N/A	AK294208	N/A

A_33_P3212525	2,10564	1,5176	1,503203155	ENST00000394455	N/A	AK128496	N/A
A_22_P00022667	2,03821	1,45027	1,503098965	ENST00000447761	N/A	N/A	N/A
A_21_P0011393	4,05854	3,47064	1,50305729	ENST00000507787	440248	N/A	HERC2P9
A_22_P00013642	5,04925	4,46142	1,502984363	ENST00000506638	N/A	BC032916	N/A
A_21_P0005976	8,0885	7,50072	1,502932275	N/A	N/A	N/A	Inc-ASAP1-1
A_21_P0000280	8,98991	8,40218	1,502880188	N/A	26788	NR_002736	SNORD60
A_23_P17471	8,60129	8,01375	1,502682275	ENST00000439542	64773	NM_022760	PCED1A
A_24_P98086	11,5017	10,9142	1,502640612	ENST00000491117	2768	NM_007353	GNA12
A_21_P0008481	3,92582	3,33836	1,502598951	N/A	102724640	XR_429404	LOC102724640
A_23_P306507	8,83261	8,24518	1,502567705	ENST00000311936	3845	NM_033360	KRAS
A_33_P3315504	9,84445	9,25706	1,502526046	ENST00000519292	90459	NM_153332	ERI1
A_21_P0002206	5,36345	4,77611	1,502473973	N/A	N/A	N/A	Inc-PLEKHH2-2
A_23_P100711	6,04577	5,45856	1,502338593	ENST00000395938	5376	NM_000304	PMP22
A_33_P3383561	3,29527	2,70815	1,502244875	ENST00000443002	5435	XR_109712	POLR2F
A_21_P0006366	2,15581	1,5688	1,502130339	N/A	N/A	N/A	Inc-C9orf91-1
A_23_P17053	6,62241	6,03544	1,502088692	ENST00000259205	56300	NM_019618	IL36G
A_24_P279489	4,37867	3,79174	1,502047045	ENST00000437048	55275	NM_001128159	VPS53
A_23_P37718	4,71865	4,13172	1,502047045	ENST00000251102	1258	NM_001297	CNGB1
A_24_P390668	6,33861	5,75168	1,502047045	ENST00000328118	752	NM_005892	FMNL1
A_33_P3238548	2,45115	1,86423	1,502036634	ENST00000408895	80111	NM_025041	C3orf36
A_23_P65031	16,2257	15,6388	1,502015812	ENST00000549989	8655	NM_001037494	DYNLL1
A_22_P00004969	2,53511	1,94822	1,5020054	ENST00000569476	100874187	NR_047489	LINC00559
A_22_P00004105	6,23243	5,64561	1,501932524	N/A	N/A	N/A	Inc-CLASP2-1
A_23_P55601	7,45898	6,87219	1,501901293	ENST00000543926	7776	NM_007345	ZNF236
A_23_P40657	7,19786	6,61109	1,501880472	ENST00000248924	23464	NM_014291	GCAT
A_22_P00006431	4,57525	3,9885	1,501859652	N/A	N/A	N/A	Inc-FBXO47-2
A_23_P313828	8,11323	7,52648	1,501859652	ENST00000299736	201161	NM_181716	CENPV
A_33_P3462155	4,86476	4,27802	1,501849242	N/A	401188	AK091013	LOC401188
A_33_P3256888	5,1299	4,54333	1,501672282	N/A	N/A	N/A	N/A
A_22_P00007089	2,15819	1,57166	1,501630647	N/A	N/A	N/A	Inc-GLRA3-1
A_22_P00022494	5,60264	5,01613	1,50160983	ENST00000457440	N/A	N/A	N/A
A_32_P17635	9,41602	8,82951	1,50160983	ENST00000587424	10929	NM_032102	SRSF8
A_24_P375322	4,29719	3,71071	1,501578606	N/A	645367	NR_003503	GGT8P

A_21_P0011915	12,1719	11,5856	1,501391271	N/A	N/A	N/A	XLOC_I2_008013
A_24_P225604	11,0895	10,5033	1,501287206	ENST00000613960	54431	NM_018981	DNAJC10
A_21_P0007083	2,8989	2,31273	1,501255988	N/A	N/A	N/A	Inc-WDR11-1
A_33_P3255509	9,5321	8,94593	1,501255988	ENST00000596536	23149	NM_001161357	FCHO1
A_19_P00316497	3,83729	3,25116	1,501214365	ENST00000428272	338797	NR_103736	LOC338797
A_23_P362893	11,1497	10,5636	1,501183148	ENST00000361985	7003	NM_021961	TEAD1
A_23_P209954	2,29374	1,7077	1,501120717	ENST00000489980	10578	NM_006433	GNLY
A_22_P00004707	7,26974	6,68382	1,500995862	ENST00000557524	N/A	N/A	N/A
A_22_P00019331	3,33757	2,75168	1,50096465	N/A	N/A	N/A	Inc-OSBP-1
A_23_P361584	9,41428	8,82845	1,500902228	ENST00000304385	201799	NM_152680	TMEM154
A_21_P0007536	4,49436	3,90856	1,500871018	N/A	N/A	N/A	Inc-LRMP-4
A_23_P317683	9,61759	9,03182	1,500839809	ENST00000291574	7109	NM_003274	TRAPPC10
A_23_P126499	5,79945	5,2138	1,500714978	ENST00000375599	79363	NM_030907	RSG1
A_23_P134684	11,4806	10,8951	1,500558953	ENST00000521516	79618	NM_024567	HMBBOX1
A_19_P00318187	2,97532	2,39004	1,500330147	ENST00000417485	102724861	N/A	LOC102724861
A_24_P339416	5,12561	4,54034	1,500319747	ENST00000582154	22901	NM_014960	ARSG
A_23_P334021	11,4402	10,8551	1,500142968	ENST00000356956	3482	NM_000876	IGF2R
A_23_P91114	11,1034	10,5183	1,500142968	ENST00000444452	10113	NM_013388	PREB
A_33_P3251332	8,01342	7,42837	1,500090978	ENST00000551414	25938	NM_015473	HEATR5A
A_33_P3232214	6,2837	5,69874	1,4999974	ENST00000586049	N/A	N/A	N/A
A_33_P3382910	7,9948	7,40984	1,4999974	ENST00000513747	54826	NM_017676	GIN1
A_22_P00010704	3,97239	3,38747	1,499955812	N/A	N/A	N/A	Inc-NFKBIL1-7
A_24_P185709	10,9778	10,3929	1,499935018	ENST00000373946	2036	NM_012156	EPB41L1
A_24_P82630	4,85152	4,26662	1,499935018	ENST00000320876	23347	NM_015295	SMCHD1
A_22_P00018179	4,29672	3,71184	1,499914225	ENST00000509010	N/A	N/A	N/A
A_22_P00019759	3,28105	2,69624	1,49984145	N/A	102724050	NR_120486	LOC102724050
A_23_P148273	10,3051	9,7203	1,499831054	ENST00000610432	84061	NM_032121	MAGT1
A_33_P3278330	2,36394	1,77916	1,499810262	ENST00000606978	101927533	N/A	LOC101927533
A_21_P0011183	5,85664	5,27186	1,499810262	N/A	N/A	N/A	XLOC_I2_003992
A_33_P3270315	8,59504	8,01029	1,499779075	N/A	N/A	BC009492	N/A
A_33_P3382380	8,86091	8,27617	1,499768679	ENST00000368309	56893	AF188240	UBQLN4
A_24_P64100	12,2214	11,6367	1,499727097	ENST00000519973	51312	XM_005273526	SLC25A37
A_33_P3326578	3,27157	2,68691	1,499685517	ENST00000397899	343990	NM_207362	KIAA1211L

A_24_P341731	8,54914	7,96462	1,499539993	ENST00000397595	N/A	N/A	N/A
A_33_P3626360	4,15158	3,56712	1,499477631	N/A	280665	AF547222	LOC280665
A_32_P187617	7,02828	6,44396	1,499332127	ENST00000377881	81550	NM_030794	TDRD3
A_21_P0004471	2,05716	1,4729	1,499269773	N/A	N/A	N/A	Inc-NKX2-5-1
A_23_P302672	4,94711	4,36286	1,499259381	N/A	115265	BC013592	DDIT4L
A_22_P00016738	4,55292	3,96874	1,499186638	N/A	102724368	NR_111921	CELSR3-AS1
A_24_P89457	8,69962	8,11553	1,499093117	ENST00000478800	1026	NM_078467	CDKN1A
A_33_P3325006	13,8984	13,3144	1,498999602	ENST00000451491	10078	NM_001297658	TSSC4
A_32_P177097	8,09945	7,51557	1,498874924	ENST00000414706	79230	NM_024341	ZNF557
A_21_P0012838	2,32957	1,74572	1,498843756	N/A	N/A	N/A	XLOC_I2_011692
A_33_P3327822	6,84283	6,25904	1,498781422	ENST00000380631	6450	NM_007341	SH3BGR
A_33_P3217403	2,18585	1,60218	1,498656762	N/A	149373	NM_001256615	LOC149373
A_24_P126557	7,13037	6,54677	1,498584048	ENST00000611074	125950	NM_133452	RAVER1
A_23_P127140	7,18014	6,59657	1,498552887	ENST00000369199	22841	NM_014904	RAB11FIP2
A_22_P00015017	3,64171	3,0582	1,498490565	N/A	N/A	BC030091	Inc-SMPD2-1
A_33_P3237207	4,83112	4,24763	1,498469791	ENST00000463834	257407	NM_001144994	C2orf72
A_21_P0010438	3,59934	3,0159	1,498417859	N/A	N/A	N/A	Inc-TXN2-1
A_24_P637982	13,8615	13,2781	1,498376315	ENST00000468084	127687	NM_198446	C1orf122
A_23_P13797	8,74254	8,15919	1,498324386	ENST00000261318	79794	NM_024738	C12orf49
A_22_P00012421	2,33708	1,75374	1,498314001	ENST00000420572	N/A	N/A	N/A
A_22_P00007997	2,16378	1,58076	1,497981701	ENST00000605240	N/A	N/A	N/A
A_23_P78557	8,88482	8,30195	1,497825961	ENST00000247977	54850	NM_017703	FBXL12
A_19_P00318815	6,57157	5,98874	1,497784433	ENST00000518765	N/A	XR_426301	N/A
A_33_P3417810	10,7224	10,1396	1,497753287	ENST00000381685	79954	NM_024894	NOL10
A_33_P3374289	3,63453	3,05177	1,497711761	ENST00000588184	143379	NM_144661	C10orf82
A_33_P3318564	5,62562	5,04288	1,497690999	N/A	N/A	N/A	Inc-LIN28B-1
A_21_P0001755	2,58407	2,00134	1,497680618	N/A	N/A	N/A	Inc-BATF3-2
A_23_P414899	10,0803	9,49765	1,497597571	ENST00000534417	55761	NM_018259	TTC17
A_23_P257905	11,4518	10,8692	1,497545669	ENST00000379751	1059	NM_001810	CENPB
A_24_P320604	3,48727	2,90468	1,497535289	ENST00000392644	84071	NM_032131	ARMC2
A_24_P315921	8,93453	8,35201	1,49746263	N/A	N/A	AK093659	Inc-PABPC4-2
A_23_P218158	11,2614	10,679	1,49733808	ENST00000555462	55671	NM_001284280	SMEK1
A_22_P00017805	7,06727	6,48491	1,497296565	N/A	N/A	AK097323	Inc-ZBTB25-1

A_23_P54517	10,416	9,83365	1,497286187	ENST00000568490	7301	NM_006293	TYRO3
A_24_P316005	7,6753	7,09305	1,497182406	ENST00000457696	9910	NM_014857	RABGAP1L
A_24_P261259	9,85065	9,26847	1,497109764	ENST00000379775	5209	NM_004566	PFKFB3
A_33_P3209025	6,26256	5,68039	1,497099387	ENST00000618766	9831	NM_001082480	ZNF623
A_33_P3219821	2,00166	1,41959	1,49699562	ENST00000545751	56776	NM_020066	FMN2
A_24_P48408	7,5606	6,97855	1,496974867	ENST00000262173	8731	NM_003799	RNMT
A_32_P138032	2,09778	1,51573	1,496974867	ENST00000464238	10485	NM_006365	C1orf61
A_23_P80027	2,21642	1,63439	1,496954115	ENST00000375483	149954	NM_182519	BPIFB4
A_33_P3363630	4,18899	3,60698	1,496933363	N/A	100996412	XM_005275733	LOC100996412
A_21_P0009910	2,42955	1,8476	1,496871108	ENST00000414598	N/A	N/A	N/A
A_22_P00003184	1,95163	1,36972	1,496829607	N/A	102725382	XR_426446	LOC102725382
A_21_P0010167	2,47506	1,89321	1,496767357	ENST00000411956	N/A	N/A	N/A
A_21_P0014065	2,51436	1,93264	1,49663249	N/A	N/A	N/A	N/A
A_21_P0012905	2,08923	1,50751	1,49663249	N/A	N/A	N/A	XLOC_I2_012023
A_33_P3372251	6,32444	5,74276	1,496590995	ENST00000334082	9456	N/A	HOMER1
A_21_P0007250	9,82858	9,24692	1,496570248	ENST00000527627	100506233	NR_038903	RAB30-AS1
A_33_P3877992	2,3137	1,73207	1,496539128	N/A	286190	NR_038881	LOC286190
A_23_P255104	10,1083	9,52674	1,496466518	ENST00000380345	10184	NM_005779	LHFPL2
A_21_P0004629	3,38638	2,80485	1,4964354	N/A	N/A	N/A	Inc-RREB1-3
A_33_P3375790	4,07261	3,4911	1,496414655	ENST00000341750	729974	NM_001277397	RFPL4AL1
A_33_P3357853	2,50436	1,92285	1,496414655	ENST00000274513	153328	AK126812	SLC25A48
A_22_P00010734	6,39309	5,81165	1,49634205	N/A	N/A	DA371222	Inc-NIF3L1-1
A_32_P36235	15,9389	15,3575	1,496300563	ENST00000588173	9592	NM_004907	IER2
A_21_P0013882	4,31079	3,7295	1,496186481	N/A	N/A	N/A	XLOC_I2_015894
A_21_P0003569	4,56335	3,98212	1,496124257	N/A	N/A	N/A	Inc-DRD5-3
A_21_P0001571	2,25565	1,67443	1,496113887	N/A	N/A	N/A	Inc-NHLH2-1
A_22_P00011215	5,20247	4,62126	1,496103517	ENST00000592901	24139	NM_001193268	EML2
A_24_P784765	11,0738	10,4926	1,496093147	N/A	966	NM_203330	CD59
A_32_P121834	2,24855	1,66738	1,496062036	ENST00000314534	132141	NM_152397	IQCF1
A_21_P0003575	5,04641	4,46527	1,496030927	ENST00000508998	N/A	N/A	N/A
A_22_P00016555	6,12984	5,54878	1,495947972	N/A	N/A	N/A	Inc-TNFRSF10A-1
A_23_P28023	3,07823	2,4972	1,495916865	ENST00000327462	26333	NM_030901	OR7A17
A_22_P00018464	4,31738	3,73651	1,495750971	N/A	N/A	N/A	Inc-PIIF-1

A_32_P56392	6,81205	6,23118	1,495750971	ENST00000507797	27316	NM_002139	RBMX
A_33_P3278475	11,3239	10,7431	1,495678399	ENST00000340553	3344	NM_002158	FOXN2
A_22_P00013708	2,08251	1,50175	1,495636931	ENST00000458107	N/A	N/A	N/A
A_23_P104594	3,36913	2,7884	1,49560583	ENST00000176195	6343	NM_021920	SCT
A_22_P00008664	2,41323	1,83253	1,49557473	ENST00000556430	N/A	AK127521	N/A
A_33_P3316233	4,33051	3,7499	1,495481434	ENST00000295491	51023	NM_016067	MRPS18C
A_33_P3341365	10,8622	10,2816	1,495471068	ENST00000389902	54476	NM_207111	RNF216
A_24_P882732	15,7373	15,1568	1,495367414	ENST00000300992	N/A	DR007925	N/A
A_23_P30634	5,07008	4,48977	1,49517049	ENST00000257749	60468	NM_021813	BACH2
A_23_P151307	9,68364	9,10335	1,495149762	ENST00000490387	10411	NM_006105	RAPGEF3
A_22_P00023298	2,31009	1,72981	1,495139399	ENST00000419225	N/A	N/A	N/A
A_23_P68717	14,0836	13,5034	1,495056493	ENST00000481921	8624	NM_003720	PSMG1
A_33_P3645888	6,21635	5,6363	1,494901057	N/A	677839	BG943532	SNORA71C
A_23_P110504	13,7536	13,1736	1,494849249	ENST00000503534	81037	NM_030782	CLPTM1L
A_22_P00011035	3,23383	2,6539	1,49477672	N/A	N/A	BM564017	Inc-NTHL1-1
A_23_P125519	17,707	17,1271	1,494745637	ENST00000486733	6191	NM_001007	RPS4X
A_21_P0000257	8,04788	7,46803	1,494693834	N/A	9301	NR_002563	SNORD27
A_33_P3409625	14,3853	13,8055	1,494642033	ENST00000240123	10174	NM_005775	SORBS3
A_33_P3369761	13,2619	12,6823	1,494434846	ENST00000396200	54704	NM_001161779	PDP1
A_22_P00011487	7,30584	6,72636	1,494310547	ENST00000531027	26873	NM_017570	OPLAH
A_32_P43812	8,99413	8,41472	1,494238045	ENST00000451288	23142	NM_001040402	DCUN1D4
A_23_P4494	5,88451	5,30511	1,494227688	ENST00000251081	1824	NM_024422	DSC2
A_19_P00322934	8,84281	8,26341	1,494227688	ENST00000608369	100506190	N/A	LINC00963
A_23_P334709	14,4842	13,9048	1,494227688	ENST00000455909	11328	NM_007270	FKBP9
A_21_P0007205	3,59883	3,01952	1,494134476	N/A	N/A	N/A	Inc-PRDM11-3
A_22_P00019623	2,20485	1,62554	1,494134476	N/A	N/A	N/A	Inc-ZPLD1-1
A_23_P79426	11,7016	11,1223	1,494124119	ENST00000258418	51719	NM_016289	CAB39
A_33_P3272390	8,8724	8,29312	1,494103406	ENST00000283195	5903	NM_006267	RANBP2
A_23_P346800	2,47192	1,89267	1,494072338	ENST00000337474	554	NM_000054	AVPR2
A_33_P3316293	8,32009	7,74093	1,493979136	ENST00000409788	51719	NM_001130849	CAB39
A_33_P3357626	8,94108	8,36201	1,493885939	ENST00000453852	N/A	N/A	N/A
A_22_P00010442	2,24006	1,66109	1,493782394	N/A	N/A	N/A	Inc-NAA35-1
A_21_P0001632	2,6622	2,08326	1,493751332	N/A	N/A	N/A	Inc-NVL-3



A_33_P3311170	10,2764	9,69747	1,493740979	ENST00000568957	81893	NR_002593	SLC7A5P1
A_33_P3281299	1,95743	1,37852	1,493720271	ENST00000562220	56139	NM_031859	PCDHA10
A_23_P140362	1,96022	1,38134	1,49368921	ENST00000256362	55237	NM_018228	VRTN
A_24_P209285	13,095	12,5162	1,493606385	ENST00000053468	55173	NM_018141	MRPS10
A_33_P3302115	8,23758	7,65878	1,493606385	N/A	4076	NM_005898	CAPRIN1
A_24_P40001	2,66496	2,08633	1,493430396	ENST00000321424	27181	NM_014442	SIGLEC8
A_33_P3244433	3,66246	3,08383	1,493430396	ENST00000409881	84182	AK090826	FAM188B
A_33_P3320953	9,65536	9,07675	1,493409693	ENST00000318978	404217	NM_206833	CTXN1
A_24_P115967	5,82388	5,24534	1,493337234	ENST00000540717	747	NM_006133	DAGLA
A_33_P3236082	12,7939	12,2154	1,493295831	ENST00000440023	50814	NM_001129765	NSDHL
A_23_P76774	2,26982	1,69139	1,493223377	ENST00000238558	145258	NM_173849	GSC
A_33_P3332749	5,54958	4,97126	1,493109529	N/A	N/A	N/A	N/A
A_33_P3353185	2,02763	1,44936	1,493057783	N/A	100131017	N/A	ZNF316
A_22_P00016698	2,60125	2,02313	1,492902554	N/A	N/A	N/A	Inc-TRAF3IP2-1
A_21_P0014809	11,616	11,0379	1,492881858	ENST00000428729	84908	NM_032822	FAM136A
A_33_P3413671	7,16703	6,58901	1,492799078	ENST00000344730	27	NM_007314	ABL2
A_23_P84596	2,0111	1,4331	1,492778383	ENST00000503351	51237	NM_016459	MZB1
A_21_P0007409	2,40195	1,82395	1,492778383	N/A	N/A	N/A	Inc-PVRL1-1
A_24_P469641	8,96783	8,38988	1,492726648	ENST00000429902	54476	NM_207111	RNF216
A_33_P3216487	6,91077	6,33283	1,492716302	N/A	N/A	N/A	N/A
A_23_P46095	9,72729	9,14945	1,492612838	ENST00000318906	128061	NM_152379	C1orf131
A_22_P00018002	4,32554	3,74774	1,492571455	N/A	N/A	N/A	Inc-ZNF135-1
A_23_P433111	8,10639	7,52863	1,492530072	ENST00000463805	133383	NM_153706	SETD9
A_22_P00004277	2,14183	1,56411	1,492488691	ENST00000593279	N/A	XR_244093	N/A
A_23_P425967	3,06419	2,48662	1,492333522	ENST00000258704	285955	NM_175064	SPDYE1
A_33_P3319765	7,20713	6,62962	1,492271459	ENST00000490972	2176	NM_001243744	FANCC
A_33_P3211473	12,9809	12,4034	1,492261115	ENST00000252512	23039	NM_015024	XPO7
A_21_P0011370	10,4979	9,92055	1,49210597	ENST00000484716	23015	NR_027409	GOLGA8A
A_22_P00016430	5,16108	4,58378	1,492054258	ENST00000554254	N/A	N/A	N/A
A_33_P3415820	6,1606	5,58331	1,492043916	ENST00000397591	7057	NM_003246	THBS1
A_21_P0013900	2,19819	1,62096	1,491981865	N/A	N/A	N/A	XL0C_I2_015967
A_33_P3314231	6,08348	5,50627	1,491961182	ENST00000295728	1412	NM_057093	CRYBA2
A_33_P3298206	6,87771	6,30051	1,491950841	ENST00000555690	57718	NM_020958	PPP4R4

A_33_P3329839	15,4778	14,9006	1,491950841	ENST00000525402	10263	NM_005851	CDK2AP2
A_21_P0012632	2,19561	1,61845	1,491909476	N/A	N/A	N/A	XL0C_I2_010936
A_22_P00023755	5,24534	4,66821	1,491878453	N/A	101929639	NR_108108	B4GALT1-AS1
A_23_P39364	14,4754	13,8984	1,491744027	ENST00000539827	9454	NM_004838	HOMER3
A_24_P598406	11,6422	11,0652	1,491744027	ENST00000404006	441191	NR_023384	RNF216P1
A_33_P3314091	3,36413	2,78723	1,49164063	ENST00000519308	N/A	N/A	N/A
A_23_P207089	3,34475	2,76787	1,491619952	ENST00000570527	6462	NM_001040	SHBG
A_22_P00004427	10,1433	9,56647	1,491568257	ENST00000565802	N/A	AF088010	N/A
A_33_P3211666	7,4485	6,87181	1,491423522	ENST00000334376	8809	NM_003855	IL18R1
A_24_P237486	9,35109	8,77441	1,491413184	ENST00000619732	4204	NM_004992	MECP2
A_24_P132633	3,18547	2,60895	1,49124779	ENST00000377311	169693	NM_153237	TMEM252
A_23_P137715	10,9151	10,3386	1,491227117	ENST00000367875	57645	NM_017542	POGK
A_33_P3240244	3,86377	3,28727	1,491227117	ENST00000454109	100191040	NM_001136003	C2CD4D
A_33_P3315134	2,20988	1,63344	1,4911651	ENST00000474063	729582	NR_026597	DIRC3
A_19_P00317314	2,48701	1,9106	1,491134093	ENST00000441389	147710	NM_001205280	IGSF23
A_23_P164141	11,9655	11,3891	1,491123757	ENST00000293362	10197	NM_176863	PSME3
A_23_P115703	1,94681	1,37042	1,491113421	ENST00000490296	84108	NM_001011663	PCGF6
A_23_P5551	15,8889	15,3126	1,491020404	ENST00000461347	4691	NM_005381	NCL
A_22_P00002336	1,98026	1,40408	1,490896389	ENST00000526305	N/A	N/A	N/A
A_33_P3315801	6,33686	5,76077	1,490803385	ENST00000584336	51755	NM_016507	CDK12
A_33_P3283525	2,05531	1,4793	1,49072072	ENST00000498108	55740	N/A	ENAH
A_33_P3298771	4,80402	4,22802	1,490710387	ENST00000572217	N/A	N/A	N/A
A_33_P3340342	10,5186	9,94261	1,490700054	ENST00000564247	123920	NM_144601	CMTM3
A_21_P0004820	3,74097	3,16503	1,490648391	N/A	N/A	N/A	Inc-WRNIP1-2
A_22_P00017841	7,64502	7,06908	1,490648391	N/A	100129196	NR_034182	MATN1-AS1
A_21_P0008284	2,89317	2,31728	1,49059673	ENST00000502187	388011	AK091668	LINC01550
A_33_P3418120	8,41791	7,84206	1,490555403	ENST00000287996	64768	NM_022755	IPPK
A_23_P45424	6,02374	5,44793	1,490514076	ENST00000373829	26548	NM_012278	ITGB1BP2
A_23_P31626	2,23814	1,66234	1,490503745	ENST00000285402	4956	NM_024410	ODF1
A_33_P3372285	5,26782	4,6921	1,490421096	ENST00000376950	347344	NM_007137	ZNF81
A_21_P0005649	2,81027	2,23459	1,490379773	N/A	N/A	N/A	Inc-ERI1-3
A_21_P0013875	3,76033	3,1847	1,490328122	ENST00000457163	N/A	N/A	N/A
A_33_P3359219	12,2981	11,7225	1,490297131	ENST00000531109	84513	NM_001102560	PPAPDC1B

A_33_P3267356	10,0019	9,42638	1,490214494	ENST00000338435	2744	NM_001256310	GLS
A_33_P3394378	6,97408	6,39863	1,49014219	N/A	N/A	N/A	N/A
A_23_P139704	14,5664	13,9912	1,489883991	ENST00000279488	1848	NM_001946	DUSP6
A_24_P333532	5,37381	4,79866	1,489832356	ENST00000506121	619351	NR_026765	LINC00589
A_21_P0003036	3,24023	2,66512	1,48979105	N/A	N/A	N/A	Inc-ATP1B3-1
A_22_P00002379	3,4911	2,916	1,489780723	N/A	101928646	NR_109975	ARNTL2-AS1
A_22_P00004238	7,38672	6,81174	1,489656812	N/A	N/A	BC032907	Inc-CMBL-1
A_22_P00019447	2,78529	2,21031	1,489656812	N/A	N/A	N/A	Inc-GPR78-1
A_19_P00804489	5,2303	4,65539	1,489584535	N/A	N/A	N/A	Inc-SNURF-1
A_21_P0010959	3,08214	2,50725	1,489563885	N/A	N/A	N/A	XLOC_I2_002194
A_33_P3356332	4,39447	3,8196	1,489543236	N/A	N/A	N/A	N/A
A_23_P154605	14,6097	14,0349	1,489470964	ENST00000467815	55959	NM_018837	SULF2
A_33_P3263412	5,67471	5,09995	1,489429668	N/A	N/A	AK130224	N/A
A_21_P0013436	5,61184	5,03713	1,489378049	ENST00000442578	N/A	N/A	N/A
A_23_P54605	12,9462	12,3715	1,489367726	ENST00000573029	26156	NM_015659	RSL1D1
A_23_P209288	4,78873	4,21417	1,489223203	ENST00000264414	8452	NM_003590	CUL3
A_33_P3307910	3,25487	2,68043	1,489099339	N/A	N/A	N/A	N/A
A_33_P3286011	4,64334	4,06895	1,489047731	ENST00000590952	101927621	N/A	LINC01534
A_21_P0009122	2,34599	1,77176	1,4888826	ENST00000566628	388276	N/A	C16orf97
A_23_P153941	5,48306	4,90887	1,48884132	ENST00000613618	79823	NM_024766	CAMKMT
A_22_P00010769	4,98317	4,40903	1,488789721	ENST00000452494	N/A	N/A	N/A
A_33_P3363012	15,8339	15,2598	1,488748444	ENST00000227524	27339	NM_014502	PRPF19
A_21_P0012887	8,92114	8,3471	1,48868653	ENST00000343123	N/A	N/A	N/A
A_22_P00003370	2,92505	2,35105	1,488645255	N/A	N/A	N/A	Inc-CBX2-1
A_22_P00006711	6,33835	5,76444	1,488552392	N/A	N/A	N/A	Inc-FRMD1-3
A_23_P340868	2,0779	1,50412	1,488418265	ENST00000340217	8001	NM_006529	GLRA3
A_23_P385322	6,71779	6,14408	1,488346049	ENST00000371926	57559	NM_020799	STAMBPL1
A_33_P3360773	11,2191	10,6454	1,488335732	ENST00000380996	10078	NM_001297658	TSSC4
A_21_P0001197	5,74864	5,17505	1,488222257	ENST00000412357	N/A	N/A	N/A
A_21_P0007927	6,08632	5,51281	1,488139734	N/A	100874071	N/A	USP12-AS2
A_21_P0014385	10,2893	9,71583	1,488098475	N/A	N/A	BC042148	N/A
A_24_P394698	8,89736	8,32394	1,488046902	ENST00000422497	5001	NM_181747	ORC5
A_22_P00009230	8,48049	7,90707	1,488046902	ENST00000444731	N/A	N/A	N/A

A_33_P3362353	8,77404	8,20065	1,48801596	ENST00000377039	369	NM_001256197	ARAF
A_33_P3302320	4,98746	4,41407	1,48801596	N/A	101929688	NR_109755	LINC01251
A_23_P52806	9,90069	9,32734	1,487974704	ENST00000392937	23621	NM_012104	BACE1
A_32_P489662	2,3178	1,74453	1,487892195	ENST00000306658	162605	NM_181535	KRT28
A_33_P3259878	3,45136	2,8781	1,487881882	ENST00000545894	1642	N/A	DDB1
A_23_P15369	5,04272	4,46948	1,487861255	ENST00000392621	124599	NM_174892	CD300LB
A_23_P170186	12,7814	12,2082	1,487820004	ENST00000618853	26873	NM_017570	OPLAH
A_24_P84419	11,4059	10,8327	1,487820004	ENST00000371851	7410	NM_003371	VAV2
A_23_P44665	2,4459	1,87286	1,487655008	ENST00000379907	203102	NM_145004	ADAM32
A_23_P313223	9,50467	8,93174	1,487541585	ENST00000294244	144097	NM_138471	C11orf84
A_22_P00009844	4,19454	3,62162	1,487531274	N/A	N/A	N/A	lnc-METTL15-4
A_21_P0004406	2,48116	1,90833	1,48743848	N/A	N/A	N/A	lnc-CCDC125-2
A_23_P147439	6,74143	6,16861	1,48742817	ENST00000570284	11273	NM_017492	ATXN2L
A_33_P3222600	4,34538	3,77256	1,48742817	N/A	N/A	N/A	N/A
A_21_P0003335	2,07805	1,5053	1,487356001	ENST00000509244	N/A	N/A	N/A
A_24_P925040	10,3566	9,78397	1,487232291	ENST00000222693	858	NM_001233	CAV2
A_22_P00003574	4,99341	4,42084	1,48717044	N/A	100874291	NR_046762	ALMS1-IT1
A_21_P0000774	6,79833	6,22579	1,487139516	ENST00000445571	100505826	NR_038341	STK4-AS1
A_33_P3235282	5,09333	4,5208	1,487129208	ENST00000623792	401561	XR_110095	LINC01451
A_33_P3291454	7,1125	6,53999	1,487108592	ENST00000333254	374355	NM_198515	CCDC172
A_23_P87257	11,4114	10,8389	1,487098284	ENST00000529958	63875	NM_022061	MRPL17
A_33_P3394105	5,72883	5,1564	1,487026131	ENST00000289805	124044	NM_152339	SPATA2L
A_21_P0000253	7,72437	7,15197	1,48699521	N/A	9297	NR_002559	SNORD29
A_22_P00013532	2,09347	1,52111	1,486953982	ENST00000523411	N/A	CN294310	N/A
A_32_P163147	8,04609	7,47379	1,486892143	ENST00000217957	340547	NM_182607	VSIG1
A_33_P3711619	2,208	1,63581	1,486778777	ENST00000404626	100129603	N/A	LOC100129603
A_22_P00014836	5,4216	4,84948	1,48670664	N/A	101927963	XR_426361	LOC101927963
A_33_P3340254	11,0213	10,4492	1,48668603	ENST00000301067	8085	NM_003482	KMT2D
A_23_P70409	11,2745	10,7024	1,48668603	ENST00000488601	9533	NM_203290	POLR1C
A_21_P0008253	3,29488	2,72282	1,486644811	N/A	N/A	N/A	lnc-TSC22D1-1
A_33_P3351346	5,28776	4,71573	1,486613897	ENST00000523711	9639	BC036809	ARHGEF10
A_24_P381844	2,11417	1,54215	1,486603593	ENST00000396573	2903	NM_000833	GRIN2A
A_23_P106433	12,6714	12,0994	1,486582984	ENST00000557266	91433	NM_033544	RCCD1

A_23_P1056	9,79184	9,22007	1,486346007	ENST00000493684	51463	NM_016334	GPR89B
A_23_P101829	9,14006	8,56832	1,486315099	ENST00000542587	9170	NM_004720	LPAR2
A_22_P00007986	3,61045	3,03872	1,486304797	ENST00000419357	401247	XR_171562	LINC00243
A_33_P3216994	8,93137	8,35969	1,486253286	ENST00000395185	26091	NM_001278187	HERC4
A_23_P122375	8,78343	8,21177	1,486232683	ENST00000287218	60685	NM_021943	ZFAND3
A_33_P3384462	8,7094	8,13774	1,486232683	ENST00000355327	79875	NM_024817	THSD4
A_23_P52219	7,15894	6,58749	1,486016361	ENST00000407654	10613	NM_006459	ERLIN1
A_21_P0000019	5,80455	5,23313	1,48598546	N/A	23081	NM_001146695	KDM4C
A_32_P157965	13,427	12,8556	1,48596486	ENST00000428356	8894	NM_003908	EIF2S2
A_23_P79794	8,36405	7,79268	1,485933961	ENST00000611732	60436	NM_021809	TGIF2
A_33_P3419165	8,00966	7,4383	1,485923661	ENST00000391759	29844	NM_013342	TFPT
A_21_P0004432	1,96878	1,39743	1,485913362	N/A	N/A	N/A	Inc-SEMA6A-5
A_21_P0014250	3,85084	3,27949	1,485913362	N/A	100289455	AK295718	LOC100289455
A_22_P00010886	5,44007	4,86883	1,485800071	N/A	N/A	N/A	Inc-NPDC1-1
A_33_P3228837	5,53327	4,96209	1,485738279	ENST00000409781	925	NM_001145873	CD8A
A_23_P366983	2,07376	1,50264	1,485676491	ENST00000261180	29953	NM_013381	TRHDE
A_33_P3378509	10,4535	9,88246	1,48559411	ENST00000307017	84640	NM_001290326	USP38
A_33_P3422701	3,83085	3,25988	1,48552203	N/A	55689	AK090720	YEATS2
A_33_P3412418	2,4036	1,83265	1,485501436	N/A	N/A	AK097799	N/A
A_23_P390621	5,85606	5,28515	1,48546025	ENST00000503585	133015	NM_145048	PACRGL
A_22_P00014757	2,86317	2,29226	1,48546025	ENST00000435407	N/A	N/A	N/A
A_33_P3409934	8,82801	8,25712	1,485439657	ENST00000262124	81929	NM_001013437	SEH1L
A_22_P00010466	2,02234	1,45147	1,485419065	ENST00000412439	N/A	D81783	N/A
A_23_P391857	3,8442	3,27345	1,485295516	ENST00000505752	2103	NM_004452	ESRRB
A_19_P00315584	7,69976	7,12904	1,485264631	ENST00000588123	100130691	NR_026966	LOC100130691
A_23_P388190	10,6696	10,0989	1,485244041	ENST00000395343	11083	NM_033081	DIDO1
A_22_P00014604	2,25277	1,68212	1,485192567	ENST00000544251	101927637	NR_120451	LOC101927637
A_21_P0013002	2,95335	2,38294	1,484945518	N/A	N/A	N/A	XLOC_I2_012163
A_33_P3230709	15,195	14,6246	1,484935225	ENST00000320785	10749	NM_006612	KIF1C
A_33_P3248654	14,6529	14,0825	1,484935225	ENST00000369923	6301	NM_006513	SARS
A_33_P3305158	10,2309	9,66071	1,484719092	ENST00000310898	285268	NM_198484	ZNF621
A_22_P00017724	3,83595	3,26583	1,484647055	N/A	N/A	N/A	Inc-XRN1-1
A_22_P00009836	2,167	1,59694	1,484585312	ENST00000439184	N/A	N/A	N/A

A_23_P70468	4,62352	4,05347	1,484575021	ENST00000244623	26212	NM_012367	OR2B6
A_33_P3335366	3,64609	3,07605	1,484564731	N/A	55534	NM_018717	MAML3
A_32_P144920	8,68034	8,11044	1,484420675	ENST00000450991	25977	NM_015509	NECAP1
A_23_P46215	2,47813	1,90828	1,48436923	ENST00000543729	80128	NM_025058	TRIM46
A_33_P3613688	6,229	5,6593	1,484214905	N/A	157376	BE729513	FER1L6-AS2
A_33_P3381899	7,09525	6,52555	1,484214905	ENST00000618464	9143	NM_004209	SYNGR3
A_33_P3231833	8,35864	7,789	1,484153179	N/A	N/A	N/A	N/A
A_33_P3348884	4,93801	4,36847	1,484050309	ENST00000480419	285025	NM_173648	CCDC141
A_22_P00001869	3,85717	3,28769	1,483988591	N/A	N/A	N/A	Inc-AVEN-1
A_21_P0011793	3,57931	3,00991	1,483906303	N/A	N/A	N/A	XLOC_I2_007191
A_22_P00008557	6,10231	5,53307	1,483741742	N/A	N/A	BC031864	Inc-KCNMB4-1
A_23_P128008	5,16518	4,59597	1,483710888	ENST00000445632	60494	NM_021827	CCDC81
A_23_P91001	11,6263	11,0571	1,483700604	ENST00000420250	54529	NM_019048	ASNSD1
A_23_P142590	8,84205	8,27285	1,483700604	ENST00000479400	80895	NM_030768	ILKAP
A_33_P3788355	3,55227	2,9831	1,483669752	N/A	399876	NR_033989	NAV2-AS4
A_19_P00321670	7,5561	6,98701	1,483587482	ENST00000451910	N/A	N/A	N/A
A_23_P340149	4,98475	4,41574	1,483505217	ENST00000276123	7552	NM_021998	ZNF711
A_23_P362183	13,0504	12,4814	1,483494934	ENST00000353234	203286	NM_173551	ANKS6
A_23_P82108	9,72656	9,15757	1,483484651	ENST00000325144	57621	XM_005267078	ZBTB2
A_24_P336596	2,798	2,22903	1,483464086	ENST00000368765	4184	NM_030663	SMCP
A_23_P8119	7,79462	7,2257	1,483412674	ENST00000395064	221504	NM_152735	ZBTB9
A_21_P0014637	7,00145	6,43257	1,483371545	N/A	101927765	NR_125962	LOC101927765
A_23_P356101	7,72856	7,15994	1,483104239	ENST00000316377	80204	NM_001190274	FBXO11
A_23_P168229	13,4591	12,8905	1,483083679	ENST00000439343	81567	NM_030810	TXNDC5
A_22_P00021860	1,99484	1,42625	1,483073399	ENST00000523284	102724710	NR_125827	LOC102724710
A_23_P133284	10,1981	9,62952	1,483063119	ENST00000283109	55781	NM_018343	RIOK2
A_33_P3221563	12,2543	11,6859	1,482878094	ENST00000268314	79798	NM_024742	ARMC5
A_23_P216396	9,4173	8,84906	1,482713647	ENST00000467138	23404	NM_014285	EXOSC2
A_21_P0011416	3,83648	3,26852	1,482425908	N/A	N/A	N/A	XLOC_I2_005130
A_22_P00008960	6,43676	5,86896	1,48226151	ENST00000554221	645687	NR_026796	LINC00520
A_22_P00002062	2,98293	2,41521	1,482179319	N/A	N/A	N/A	Inc-BLID-1
A_23_P129128	6,31369	5,74603	1,482117678	ENST00000559492	123283	NM_152334	TARSL2
A_21_P0012285	5,99872	5,43108	1,482097132	N/A	N/A	N/A	XLOC_I2_009468

A_33_P3391626	16,5851	16,0175	1,48205604	ENST00000505751	N/A	N/A	N/A
A_21_P0013044	4,84072	4,27314	1,482035494	N/A	N/A	N/A	XLOC_I2_012788
A_22_P00000805	3,7194	3,15189	1,481963587	N/A	N/A	N/A	Inc-AF127577.1-4
A_33_P3297883	2,00024	1,43274	1,481953315	N/A	100131796	AY203937	LOC100131796
A_23_P12989	16,7442	16,1768	1,481850597	ENST00000352435	25824	NM_012094	PRDX5
A_22_P00022824	2,17685	1,60951	1,48178897	ENST00000520780	N/A	N/A	N/A
A_33_P3227258	2,10698	1,53965	1,481778699	ENST00000510838	N/A	N/A	N/A
A_24_P219474	2,00625	1,43892	1,481778699	ENST00000569840	146664	NM_144677	MGAT5B
A_33_P3226377	10,156	9,58869	1,481758158	ENST00000381847	5555	NM_005042	PRH2
A_33_P3281850	5,81537	5,24806	1,481758158	ENST00000440612	10669	N/A	CGREF1
A_23_P203900	14,6896	14,1223	1,481747887	ENST00000415380	949	NM_005505	SCARB1
A_22_P00006556	3,49989	2,93298	1,481347384	ENST00000582320	N/A	N/A	N/A
A_33_P3218309	2,50097	1,93406	1,481347384	N/A	N/A	N/A	N/A
A_23_P217079	11,5419	10,975	1,481337116	ENST00000495270	8818	NM_003863	DPM2
A_22_P00006499	3,04253	2,47569	1,48127551	N/A	100009613	NR_103835	ANO1-AS2
A_22_P00013109	7,47639	6,90955	1,48127551	N/A	N/A	AK022160	Inc-RIOK1-2
A_22_P00006471	2,12567	1,55899	1,481111241	ENST00000560534	4122	XM_006720507	MAN2A2
A_33_P3240941	8,87723	8,31062	1,481039378	ENST00000392937	23621	NM_012104	BACE1
A_24_P945228	4,81831	4,25171	1,481029113	ENST00000507209	285440	NM_207352	CYP4V2
A_33_P3269728	11,4079	10,8413	1,481029113	ENST00000460846	55608	NM_001286721	ANKRD10
A_23_P27894	9,57669	9,01015	1,48096752	ENST00000587802	9667	NM_014649	SAFB2
A_33_P3340114	1,94543	1,37896	1,480895664	N/A	N/A	N/A	N/A
A_23_P103631	15,1471	14,5807	1,480823813	ENST00000236051	10969	NM_006824	EBNA1BP2
A_22_P00009323	4,70542	4,13905	1,48079302	N/A	N/A	N/A	Inc-LRRC57-2
A_33_P3344339	2,21031	1,64399	1,480741701	ENST00000322893	27133	NM_172375	KCNH5
A_23_P78170	10,1054	9,5391	1,480721173	ENST00000574167	10514	NM_014520	MYBBP1A
A_22_P00022446	2,64538	2,07921	1,480587753	ENST00000564390	N/A	N/A	N/A
A_21_P0000668	8,42782	7,86177	1,480464606	ENST00000602903	8759	NR_036636	ADAM1A
A_21_P0004229	1,98688	1,42093	1,480361992	N/A	N/A	N/A	Inc-TRIO-1
A_24_P92183	10,3542	9,78835	1,480259384	ENST00000474208	80336	NM_001124756	PABPC1L
A_24_P301186	6,14637	5,58063	1,480146525	ENST00000620954	112840	NM_001008726	WDR89
A_21_P0011384	7,14904	6,58334	1,480105487	ENST00000559010	388165	NR_003661	UBE2Q2P1
A_23_P148308	12,2548	11,6891	1,480105487	ENST00000489344	5935	NM_006743	RBM3

A_33_P3492750	4,39742	3,83176	1,48006445	ENST00000436742	149047	AK091757	MGC27382
A_22_P00001665	6,10494	5,53937	1,479972122	N/A	N/A	N/A	Inc-ASH1L-2
A_21_P0009709	2,04105	1,47551	1,479941347	ENST00000593038	N/A	N/A	N/A
A_33_P3378772	4,68326	4,11777	1,479890057	ENST00000397609	283742	NM_173611	FAM98B
A_23_P162165	7,18616	6,62075	1,479807997	ENST00000612612	65987	NM_023930	KCTD14
A_22_P00019081	2,51659	1,95136	1,479623378	ENST00000548184	246329	NM_001286257	STAC3
A_24_P112087	6,36759	5,80244	1,479541332	ENST00000229595	25842	NM_014034	ASF1A
A_21_P0012221	4,41883	3,85371	1,479510566	ENST00000344693	391267	NR_027270	ANKRD20A11P
A_21_P0010700	5,2089	4,64384	1,479449037	ENST00000432922	N/A	N/A	N/A
A_23_P141005	9,11521	8,55015	1,479449037	ENST00000290649	267	NM_001144	AMFR
A_22_P00019061	2,12211	1,55717	1,479325985	N/A	101927051	NR_109952	LOC101927051
A_21_P0014756	2,02928	1,46435	1,479315731	N/A	100508227	AK130364	LOC100508227
A_24_P217234	3,19751	2,63261	1,479284969	ENST00000260649	6519	NM_000341	SLC3A1
A_23_P68031	6,55162	5,98672	1,479284969	ENST00000392320	6775	NM_003151	STAT4
A_33_P3238390	6,31339	5,74864	1,479131173	ENST00000457046	N/A	N/A	N/A
A_22_P00019220	3,55719	2,9926	1,478967141	ENST00000547360	N/A	AI221087	N/A
A_19_P00315649	4,71573	4,15117	1,478936387	N/A	100507165	XR_110530	LOC100507165
A_33_P3238402	3,98981	3,42556	1,478618634	N/A	N/A	N/A	N/A
A_23_P75973	9,50108	8,93688	1,47856739	ENST00000361756	55298	NM_018320	RNF121
A_22_P00015126	5,62437	5,06022	1,478516148	N/A	N/A	N/A	Inc-SNX27-1
A_22_P00008411	5,0318	4,46766	1,478505899	ENST00000565824	101928737	N/A	LOC101928737
A_24_P24444	5,08212	4,51799	1,478495651	ENST00000450732	9941	NM_005107	EXOGEN
A_24_P202139	7,92294	7,35882	1,478485403	ENST00000564733	51108	NM_016025	METTL9
A_23_P106737	10,2198	9,65569	1,478475155	ENST00000418978	55692	NM_201412	LUC7L
A_33_P3290780	2,59078	2,0267	1,478444411	ENST00000491169	11009	NM_001185156	IL24
A_24_P305345	5,15334	4,58928	1,478423916	ENST00000315599	30835	NM_021155	CD209
A_23_P355311	4,9806	4,41657	1,478393173	ENST00000372192	8643	NM_003738	PTCH2
A_23_P102770	13,3776	12,8136	1,478362431	ENST00000334982	51126	NM_016100	NAA20
A_24_P75718	9,98794	9,42395	1,478352184	ENST00000393579	N/A	N/A	N/A
A_23_P250294	9,56207	8,99814	1,478290702	ENST00000458276	51099	NM_016006	ABHD5
A_22_P00013376	6,00142	5,43755	1,478229223	N/A	N/A	XM_006722594	Inc-RP11-17M16.1.1-1
A_33_P3235262	6,03334	5,46952	1,478177993	ENST00000300432	138429	NM_001135219	PIP5KL1
A_23_P22119	13,1544	12,5906	1,478157501	ENST00000322810	5339	NM_201380	PLEC



A_22_P00010827	4,67397	4,1102	1,478126764	N/A	N/A	N/A	Inc-NNT-2
A_33_P3361991	2,98271	2,419	1,478065292	ENST00000619330	135924	NM_001001658	OR9A2
A_33_P3278490	1,9837	1,42004	1,478014067	ENST00000544644	286238	NM_001100111	LOC286238
A_19_P00321089	8,8673	8,30382	1,477829671	ENST00000419300	100506190	N/A	LINC00963
A_23_P395566	9,26101	8,69759	1,477768212	ENST00000565593	79791	NM_024735	FBXO31
A_21_P0008852	3,93549	3,37213	1,477706754	N/A	N/A	N/A	Inc-ITGA11-2
A_21_P0011538	2,45771	1,89438	1,477676026	N/A	N/A	N/A	XL0C_I2_005731
A_22_P00014555	4,53805	3,97476	1,477635057	ENST00000430847	100130502	N/A	LOC100130502
A_33_P3408247	2,50548	1,94223	1,477594089	N/A	101929578	XR_243699	LOC101929578
A_33_P3320217	2,26407	1,70083	1,477583847	ENST00000338316	108	NM_020546	ADCY2
A_33_P3227686	5,33009	4,76686	1,477573605	ENST00000621837	389690	NM_207414	MROH5
A_24_P192262	11,2387	10,6755	1,47754288	ENST00000005257	5898	NM_005402	RALA
A_23_P8938	2,01878	1,45566	1,47746095	ENST00000518621	148	NM_033304	ADRA1A
A_33_P3347132	10,4067	9,84405	1,476979703	ENST00000491115	23404	NM_014285	EXOSC2
A_23_P148556	9,03967	8,47707	1,476928515	ENST00000218104	215	NM_000033	ABCD1
A_33_P3222109	2,31853	1,75595	1,476908041	ENST00000419513	7499	NM_001141919	XG
A_33_P3411414	8,22455	7,66207	1,476805673	ENST00000619373	727866	NM_001099684	FAM156B
A_21_P0005039	2,31991	1,75745	1,4767852	N/A	N/A	N/A	Inc-SYNCRIP-1
A_33_P3256620	4,31421	3,75177	1,476764728	ENST00000538772	N/A	N/A	N/A
A_33_P3412035	7,19286	6,63045	1,47673402	ENST00000322244	55236	NM_018227	UBA6
A_33_P3282597	2,07129	1,50892	1,476693076	ENST00000580025	85019	XM_006722561	TMEM241
A_22_P00015502	5,09406	4,53173	1,476652134	N/A	N/A	AI921603	Inc-STAT1-1
A_23_P136571	2,00371	1,4414	1,476631664	ENST00000423786	81626	NM_030933	SHCBP1L
A_23_P51397	11,7823	11,22	1,476621429	ENST00000358675	55740	NM_001008493	ENAH
A_33_P3270192	8,84314	8,2809	1,476560019	ENST00000409401	129563	AW834780	DIS3L2
A_23_P382045	10,6429	10,0807	1,476519081	ENST00000367097	56995	NM_020245	TULP4
A_33_P3304060	4,43055	3,86841	1,476457675	ENST00000426551	439934	NR_024087	LINC00575
A_33_P3382588	2,38002	1,81799	1,476345105	ENST00000613114	7471	NM_005430	WNT1
A_21_P0011295	4,45838	3,89637	1,476324639	ENST00000429926	N/A	N/A	N/A
A_22_P00009756	3,00021	2,43837	1,476150686	ENST00000422638	N/A	N/A	N/A
A_23_P213153	12,2882	11,7264	1,476109759	ENST00000502762	9987	NM_031372	HNRNPDL
A_23_P307502	3,86955	3,30776	1,476099528	ENST00000441769	51198	NR_024274	CDKN2A-AS1
A_22_P00024326	7,19013	6,62843	1,476007447	ENST00000445908	N/A	N/A	N/A

A_33_P3284518	6,35562	5,79397	1,475956293	ENST00000356828	23074	NM_001006947	UHRF1BP1L
A_21_P0013231	6,11879	5,55719	1,475905141	N/A	N/A	N/A	XL0C_I2_013459
A_32_P99032	6,33518	5,77372	1,475761925	ENST00000504891	100240734	NR_026657	LOC100240734
A_19_P00321310	5,15691	4,59548	1,475731238	ENST00000531207	100506127	N/A	LOC100506127
A_33_P3214635	7,31287	6,75151	1,475659637	ENST00000262093	2235	NM_001012515	FECH
A_22_P00001166	3,45251	2,89117	1,47563918	N/A	N/A	DB071735	Inc-AMZ1-1
A_21_P0009509	4,36582	3,80449	1,475628952	ENST00000589723	284240	XR_248506	LOC284240
A_23_P103349	2,83821	2,27698	1,475526672	ENST00000574641	10896	NM_022375	OCLM
A_22_P00015769	4,70167	4,14047	1,47549599	ENST00000446887	N/A	N/A	N/A
A_24_P381224	12,4283	11,8671	1,47549599	ENST00000526060	84447	NM_172230	SYVN1
A_22_P00014956	5,8849	5,32376	1,475434627	N/A	N/A	AK130635	Inc-SLTM-2
A_21_P0006864	2,8139	2,25277	1,4754244	N/A	N/A	N/A	Inc-C10orf136-1
A_23_P54223	9,7737	9,21262	1,475373267	ENST00000560871	5875	NM_004581	RABGGTA
A_21_P0003382	5,36707	4,80601	1,475352814	ENST00000513793	101929448	NR_125925	LOC101929448
A_22_P00017937	6,10766	5,54661	1,475342588	ENST00000460032	1968	N/A	EIF2S3
A_24_P144773	6,74561	6,18456	1,475342588	ENST00000616872	153830	NM_144726	RNF145
A_22_P00002532	3,03273	2,4717	1,475322135	N/A	N/A	N/A	Inc-C17orf51-5
A_24_P96474	9,21829	8,65729	1,475291457	ENST00000341255	84247	NM_032287	LDOC1L
A_21_P0012742	1,98247	1,42152	1,475240328	ENST00000513875	N/A	N/A	N/A
A_23_P255328	4,26545	3,70455	1,475189201	ENST00000515013	56978	NM_020226	PRDM8
A_23_P154675	14,9939	14,433	1,475189201	ENST00000474384	6628	NM_198216	SNRPB
A_23_P94762	8,35507	7,79418	1,475178976	ENST00000322434	117608	NM_058230	ZNF354B
A_21_P0011197	4,64559	4,08472	1,475158526	ENST00000418741	N/A	N/A	N/A
A_23_P253841	15,445	14,8842	1,475086952	ENST00000527328	3297	NM_005526	HSF1
A_33_P3289745	6,14917	5,58839	1,475066504	N/A	399900	XR_247232	LOC399900
A_22_P00013924	5,21568	4,65493	1,475035831	ENST00000417161	N/A	N/A	N/A
A_23_P55136	11,4612	10,9005	1,474984711	ENST00000578849	29098	NM_016492	RANGRF
A_22_P00022678	2,20043	1,63978	1,474933593	N/A	N/A	BE710008	Inc-PLAU-1
A_23_P201445	11,8316	11,271	1,474882476	ENST00000302550	51029	NM_016076	DES12
A_33_P3258392	5,37995	4,81936	1,474872253	ENST00000379375	1906	NM_001955	EDN1
A_24_P380349	2,86918	2,30863	1,474831361	ENST00000305344	3354	NM_000865	HTR1E
A_21_P0001939	4,69496	4,13443	1,474810916	N/A	N/A	N/A	Inc-HOXD13-1
A_22_P00008241	5,07337	4,51288	1,474770026	ENST00000556781	102724190	N/A	LOC102724190

A_22_P00017591	5,83139	5,27099	1,474678028	N/A	N/A	N/A	Inc-WDR7-9
A_22_P00009539	4,28453	3,72431	1,474494049	ENST00000550742	N/A	N/A	N/A
A_22_P00014011	2,88431	2,3241	1,474483829	ENST00000456933	100996635	NR_110622	LOC100996635
A_24_P129417	10,63	10,0698	1,474473609	ENST00000471755	649	NM_001199	BMP1
A_33_P3354514	3,87837	3,3182	1,474442948	N/A	114134	BC047507	SLC2A13
A_33_P3403361	11,6949	11,1349	1,474269217	ENST00000580018	100287932	NM_006327	TIMM23
A_24_P333802	12,3547	11,7947	1,474269217	ENST00000610432	84061	NM_032121	MAGT1
A_33_P3238484	4,33875	3,7788	1,474218124	ENST00000381496	22982	NM_014974	DIP2C
A_22_P00012474	1,99665	1,43676	1,474156814	N/A	N/A	N/A	Inc-PRR7-1
A_33_P3352048	3,98563	3,42574	1,474156814	N/A	100506376	XR_132470	TTL10-AS1
A_19_P00318461	3,3023	2,74247	1,474095507	ENST00000366424	101927137	N/A	LOC101927137
A_22_P00017882	3,00181	2,442	1,474075072	ENST00000418416	N/A	N/A	N/A
A_23_P32233	9,8714	9,31164	1,474023985	ENST00000610832	9314	NM_004235	KLF4
A_33_P3281572	2,67013	2,11055	1,473840088	ENST00000377989	8418	NR_002174	CMAHP
A_22_P00021923	4,92473	4,36519	1,473799225	N/A	N/A	N/A	Inc-HIATL1-5
A_33_P3339212	12,5387	11,9792	1,473758363	ENST00000166345	9319	NM_004237	TRIP13
A_22_P00023898	5,23449	4,67512	1,47362557	N/A	N/A	N/A	Inc-PHYHD1-1
A_21_P0007810	2,62964	2,07029	1,473605141	N/A	N/A	N/A	Inc-STX2-6
A_23_P39237	13,8484	13,2891	1,473554071	ENST00000597629	7538	NM_003407	ZFP36
A_22_P00002869	6,83305	6,27376	1,473543857	ENST00000568686	N/A	AK124776	N/A
A_21_P0013235	3,78307	3,2238	1,47352343	N/A	N/A	N/A	XLOC_I2_013462
A_22_P00010729	4,82516	4,26597	1,473441722	N/A	1130	NR_102436	LYST
A_23_P397543	10,1271	9,56803	1,47331917	ENST00000421767	285908	NR_026873	LINC00174
A_33_P3232280	10,0445	9,4855	1,473247686	ENST00000261191	55726	NM_018164	ASUN
A_22_P00002956	2,87751	2,31867	1,473084306	N/A	N/A	N/A	Inc-C5orf52-1
A_23_P104073	11,7071	11,1483	1,473043464	ENST00000368712	6274	NM_002960	S100A3
A_23_P170649	3,08612	2,52741	1,472951574	ENST00000519697	157869	NM_153225	SBSPON
A_21_P0006811	2,02888	1,47018	1,472941364	N/A	N/A	N/A	Inc-PFKP-9
A_21_P0007236	6,74658	6,18788	1,472941364	N/A	N/A	N/A	Inc-P2RY6-1
A_33_P3328637	6,0707	5,51201	1,472931155	ENST00000413104	5638	NM_001173486	PRRG1
A_22_P00019211	2,09009	1,53146	1,472869899	N/A	100505564	XR_158888	LOC100505564
A_22_P00014196	2,0333	1,47468	1,472859689	ENST00000549266	N/A	N/A	N/A
A_23_P96158	16,5549	15,9963	1,472839271	ENST00000493253	3872	NM_000422	KRT17

A_23_P396981	6,77331	6,21473	1,472818854	ENST00000326595	285331	NM_001012506	CCDC66
A_24_P171182	9,38929	8,83091	1,472614692	ENST00000366812	64746	NM_022735	ACBD3
A_33_P3235454	8,09305	7,53477	1,472512621	ENST00000475062	N/A	N/A	N/A
A_23_P68669	3,61634	3,05838	1,472186044	ENST00000338326	140578	NM_024944	CHODL
A_33_P3215123	10,2915	9,73355	1,47217584	ENST00000408927	5910	NM_001100426	RAP1GDS1
A_22_P00000532	4,64174	4,08383	1,472135023	N/A	N/A	AK130228	Inc-AC112512.1-1
A_23_P258410	9,15122	8,5934	1,472043189	ENST00000285018	7476	NM_004625	WNT7A
A_22_P00004849	5,30192	4,74414	1,472002376	N/A	N/A	N/A	Inc-CYP19A1-1
A_21_P0002267	2,20506	1,64728	1,472002376	N/A	N/A	N/A	Inc-C2orf40-4
A_33_P3349252	7,72821	7,17046	1,471971767	ENST00000594169	N/A	AL512723	N/A
A_21_P0003119	4,58892	4,03119	1,471951361	N/A	N/A	N/A	Inc-RFT1-1
A_22_P00023256	2,14887	1,59115	1,471941158	N/A	N/A	N/A	Inc-ACP1-1
A_22_P00002807	5,65463	5,09696	1,471890146	N/A	N/A	BC012788	Inc-C2orf42-3
A_24_P320880	6,69094	6,13329	1,471869741	ENST00000396330	64089	NM_022133	SNX16
A_22_P00001171	7,9857	7,42806	1,471859539	N/A	N/A	N/A	Inc-ANAPC11-2
A_23_P153086	11,0991	10,5415	1,471818731	ENST00000593019	79863	NM_024805	RBFA
A_22_P00005914	5,20354	4,64601	1,471747319	N/A	285943	NR_122069	HOXA-AS2
A_32_P200237	7,37019	6,81268	1,471726917	ENST00000622929	N/A	AJ291676	N/A
A_33_P3257155	5,82068	5,26318	1,471716716	ENST00000439432	60682	XM_005248760	SMAP1
A_23_P435941	9,31902	8,76153	1,471706514	ENST00000533683	90378	NM_138352	SAMD1
A_22_P00015245	2,61769	2,06023	1,471675912	N/A	N/A	HY037890	Inc-SPAG1-4
A_33_P3384502	4,73993	4,18254	1,471604507	ENST00000380981	100128946	NR_038944	LINC01310
A_19_P00322663	7,57971	7,02233	1,471594307	ENST00000514452	N/A	N/A	N/A
A_22_P00020670	2,22678	1,66943	1,471563706	N/A	N/A	DA207246	Inc-SYT13-1
A_23_P410725	2,33857	1,78127	1,471512707	ENST00000323169	126069	NM_152356	ZNF491
A_22_P00010297	2,35042	1,79313	1,471502507	ENST00000510229	101929284	NR_109932	LOC101929284
A_23_P257668	6,50655	5,94926	1,471502507	ENST00000476296	79989	NM_024926	TTC26
A_32_P24709	7,12097	6,56369	1,471492307	ENST00000372705	339559	NM_198494	ZFP69
A_21_P0014677	8,99669	8,4395	1,471400514	ENST00000261263	23011	N/A	RAB21
A_23_P502312	12,8636	12,3065	1,471308726	ENST00000242786	976	NM_078481	CD97
A_21_P0003319	4,16901	3,61194	1,471278131	ENST00000515329	100505685	XR_171473	LOC100505685
A_33_P3234530	6,68794	6,13094	1,471206746	ENST00000453341	8718	NM_001039664	TNFRSF25
A_24_P786357	2,23756	1,68057	1,471196548	ENST00000437751	389043	NR_036499	LINC01120

A_24_P203072	8,63056	8,07373	1,471033396	ENST00000614628	9767	NM_014735	JADE3
A_33_P3369731	3,55446	2,99765	1,471013004	N/A	N/A	N/A	N/A
A_24_P337334	11,5124	10,9556	1,471002807	ENST00000438320	1635	NM_001012732	DCTD
A_23_P320887	10,5976	10,0409	1,470900849	ENST00000540998	56882	NM_001038707	CDC42SE1
A_33_P3210085	12,1793	11,6226	1,470900849	ENST00000355029	10276	NM_001047160	NET1
A_33_P3362981	7,92531	7,36882	1,470686759	ENST00000301738	54442	NM_018992	KCTD5
A_21_P0003596	5,09612	4,53965	1,470666371	N/A	N/A	N/A	Inc-DTHD1-2
A_23_P94683	9,34074	8,78431	1,470625596	ENST00000379540	4799	NM_002504	NFX1
A_24_P229531	9,47897	8,92262	1,470544049	ENST00000409510	64859	NM_001031716	NABP1
A_33_P3314407	2,17734	1,62104	1,470493085	ENST00000622726	387712	NM_001242699	ENO4
A_21_P0000528	1,95071	1,39457	1,470330011	ENST00000381489	414235	NR_027152	PRR26
A_23_P83599	8,55093	7,9948	1,47031982	ENST00000360274	5575	NM_002735	PRKAR1B
A_33_P3239122	6,18208	5,62604	1,470228099	ENST00000372550	10465	AK310052	PPIH
A_33_P3332865	12,5574	12,0014	1,470187336	ENST00000530122	79716	NM_024663	NPEPL1
A_24_P199500	9,12769	8,5717	1,470177146	ENST00000367510	6045	NM_007212	RNF2
A_23_P133902	9,79889	9,24294	1,470136384	ENST00000433334	170679	NM_014068	PSORS1C1
A_33_P3269924	7,45585	6,89995	1,470085434	ENST00000535831	9026	NM_001303099	HIP1R
A_33_P3237125	6,07913	5,52339	1,469922406	ENST00000498417	129138	NM_138797	ANKRD54
A_22_P00016455	1,98742	1,43176	1,469840898	N/A	N/A	BF726218	Inc-TMEM64-2
A_23_P256632	6,92216	6,36652	1,469820522	ENST00000419445	5229	NM_005023	PGGT1B
A_23_P251881	3,63365	3,07811	1,469718645	ENST00000376073	259197	NM_147130	NCR3
A_23_P162970	10,7057	10,1502	1,469677897	ENST00000561199	79711	NM_024658	IPO4
A_23_P36397	8,77237	8,21706	1,469484356	ENST00000228606	1594	NM_000785	CYP27B1
A_24_P411121	5,78437	5,22912	1,469423243	ENST00000379265	8784	NM_148901	TNFRSF18
A_22_P00003285	17,0121	16,4569	1,469372317	ENST00000429156	642587	NM_001104548	MIR205HG
A_33_P3394828	12,2334	11,6782	1,469372317	ENST00000330579	79050	NM_024078	NOC4L
A_22_P00022890	2,03044	1,47544	1,469168633	ENST00000549470	N/A	N/A	N/A
A_23_P27315	4,18833	3,63345	1,469046436	ENST00000308080	84034	NM_032048	EMILIN2
A_22_P00002580	2,46076	1,9059	1,469026071	N/A	N/A	BG741387	Inc-C18orf32-1
A_33_P3420889	3,02738	2,47253	1,469015889	ENST00000369699	22986	NM_014978	SORCS3
A_21_P0009582	2,03717	1,48235	1,468985342	N/A	N/A	N/A	Inc-C18orf62-2
A_33_P3395472	2,05841	1,50369	1,468883523	N/A	N/A	N/A	N/A
A_21_P0007218	4,90844	4,35378	1,468822435	ENST00000463943	55653	N/A	BCAS4

A_23_P44964	3,60572	3,05107	1,468812254	ENST00000378116	221061	NM_001010924	FAM171A1
A_21_P0001399	2,15196	1,59743	1,468690087	N/A	N/A	N/A	Inc-C1orf21-3
A_23_P93938	4,62764	4,07313	1,468669726	ENST00000460409	23148	NM_001146334	NACAD
A_33_P3262575	13,1616	12,6071	1,468659546	ENST00000005260	55971	NM_018842	BAIAP2L1
A_24_P280113	13,5354	12,9809	1,468659546	ENST00000371666	3597	NM_001560	IL13RA1
A_24_P14634	2,98878	2,43435	1,468588288	ENST00000334018	129080	NM_133455	EMID1
A_33_P3373009	2,1901	1,63568	1,468578109	N/A	N/A	N/A	N/A
A_23_P89755	10,9913	10,4369	1,46855775	ENST00000257190	51444	NM_016271	RNF138
A_22_P00008182	2,03389	1,4795	1,468547571	ENST00000527770	N/A	N/A	N/A
A_22_P00002196	2,5474	1,99304	1,468517034	ENST00000416641	N/A	N/A	N/A
A_22_P00019627	3,47998	2,92573	1,468405069	N/A	N/A	AK308948	Inc-ALCAM-2
A_21_P0014563	3,57512	3,02111	1,468160813	N/A	N/A	N/A	N/A
A_32_P141768	8,49412	7,94031	1,467957296	ENST00000320285	56895	NM_020133	AGPAT4
A_33_P3218118	7,63385	7,08004	1,467957296	N/A	N/A	N/A	N/A
A_33_P3337267	4,57129	4,01751	1,467926771	ENST00000356628	441478	NM_001004354	NRARP
A_33_P3367251	3,84481	3,29106	1,467896247	ENST00000380641	54875	NM_001114395	CNTLN
A_22_P00017330	3,23186	2,67813	1,467875898	ENST00000525952	101928921	BI517399	LOC101928921
A_22_P00018003	2,01015	1,45654	1,467753808	ENST00000440004	100289333	NR_104179	LOC100289333
A_21_P0000553	7,14327	6,58968	1,467733461	ENST00000614476	130916	NR_028049	MTERF4
A_23_P90273	4,59795	4,04455	1,467540176	ENST00000434302	64377	NM_022467	CHST8
A_33_P3319640	7,5519	6,99851	1,467530004	ENST00000615225	84717	AB208892	HDGFRP2
A_33_P3347937	6,03273	5,47952	1,467346917	ENST00000528199	3297	NM_005526	HSF1
A_22_P00024629	3,88853	3,33534	1,467326575	N/A	N/A	N/A	Inc-CDKAL1-2
A_23_P110851	8,08701	7,53382	1,467326575	ENST00000310581	7015	NM_198253	TERT
A_23_P115861	8,03849	7,4854	1,467224872	ENST00000361807	220992	NM_145312	ZNF485
A_24_P384636	11,6367	11,0837	1,467133344	ENST00000589590	79002	NM_024038	C19orf43
A_21_P0011554	2,25973	1,70694	1,466919802	N/A	N/A	N/A	XLOC_I2_005880
A_24_P724040	11,8518	11,2991	1,466828294	ENST00000407763	6629	NM_003092	SNRPB2
A_24_P734720	6,60406	6,0516	1,4665843	ENST00000596710	151195	NM_152523	CCNYL1
A_22_P00025545	8,15002	7,59766	1,466482647	ENST00000441006	100130418	NR_015352	CECR7
A_33_P3310274	3,39423	2,84195	1,466401331	N/A	N/A	N/A	N/A
A_24_P146892	11,0505	10,4983	1,466320018	ENST00000616379	84876	NM_032790	ORAI1
A_33_P3316671	7,76465	7,2125	1,4662692	N/A	N/A	N/A	N/A

A_33_P3246007	12,79	12,2379	1,466218384	ENST00000368235	128240	NM_144772	APOA1BP
A_33_P3289416	5,43108	4,87911	1,46608627	ENST00000395216	146540	NM_152458	ZNF785
A_33_P3245289	4,12828	3,57633	1,466065946	ENST00000475527	5793	NM_002841	PTPRG
A_33_P3396370	6,14434	5,59239	1,466065946	ENST00000229243	84519	NM_032489	ACRBP
A_22_P00009515	5,13548	4,58354	1,466055784	N/A	N/A	N/A	Inc-MAN2C1-4
A_23_P159775	13,2551	12,7032	1,466015137	ENST00000486255	2564	NM_004961	GABRE
A_21_P0008858	3,77333	3,22147	1,465974491	N/A	N/A	N/A	Inc-PEAK1.1-1
A_33_P3410659	4,04848	3,49666	1,465933846	ENST00000544853	387837	NM_001129998	CLEC12B
A_22_P00019986	2,05617	1,50438	1,465903363	N/A	N/A	BE542083	Inc-PEF1-1
A_22_P00023043	2,58292	2,03116	1,465872881	ENST00000538528	100128124	NM_001129895	HGC6.3
A_23_P90407	2,77984	2,22811	1,465842399	ENST00000427043	23581	NM_012114	CASP14
A_23_P127175	13,2184	12,6667	1,465811918	ENST00000452767	56681	NM_020150	SAR1A
A_33_P3315355	9,13631	8,58465	1,465771278	ENST00000219315	79918	NM_001160305	SETD6
A_33_P3215128	8,37544	7,8238	1,465750958	ENST00000484749	200205	NM_001010867	IBA57
A_22_P00002528	3,54888	2,99725	1,465740799	ENST00000582334	N/A	DB040349	N/A
A_33_P3269428	5,08564	4,53404	1,46571032	ENST00000470655	N/A	AK128125	N/A
A_22_P00003197	7,17046	6,61887	1,46570016	ENST00000561475	57546	NM_020786	PDP2
A_23_P205228	7,12453	6,57299	1,465649364	ENST00000400366	540	NM_000053	ATP7B
A_33_P3389638	12,6618	12,1104	1,465507143	ENST00000416614	8602	NM_001291978	NOP14
A_32_P215179	9,35054	8,79916	1,465486827	ENST00000448011	9284	NM_006985	NP1PA1
A_33_P3274134	8,5814	8,03009	1,465415723	ENST00000451188	441151	NM_001137560	TMEM151B
A_33_P3258702	9,42721	8,87592	1,465395408	ENST00000449617	9117	NM_001201584	SEC22C
A_21_P0010552	3,16764	2,6165	1,465243056	ENST00000624291	441430	NM_001012421	ANKRD20A2
A_19_P00322944	15,5347	14,9836	1,465202431	ENST00000623001	387066	NR_003038	SNHG5
A_21_P0014435	6,28463	5,73353	1,465202431	ENST00000608079	100287728	NR_103770	LOC100287728
A_21_P0010105	6,41389	5,86282	1,465171963	N/A	N/A	N/A	Inc-GPCPD1-1
A_24_P286898	6,94412	6,39309	1,465131341	ENST00000374189	5599	NM_001278547	MAPK8
A_23_P91019	10,935	10,384	1,465100875	ENST00000490501	8575	NM_003690	PRKRA
A_23_P396867	8,9304	8,37942	1,465080564	N/A	81502	NM_178582	HM13
A_24_P191790	7,33077	6,7798	1,465070409	ENST00000325094	55161	NM_018126	TMEM33
A_33_P3385681	2,67486	2,12395	1,46500948	N/A	100130768	AK128224	LOC100130768
A_21_P0011433	14,4548	13,9039	1,464999325	ENST00000458587	10134	NM_001139457	BCAP31
A_33_P3356004	5,03351	4,48263	1,464979016	N/A	100113386	NR_027287	UCKL1-AS1

A_21_P0000093	2,99468	2,44382	1,464958707	ENST00000493112	8801	NM_001177599	SUCLG2
A_23_P102571	16,6104	16,0596	1,464897783	ENST00000619497	56731	NM_020062	SLC2A4RG
A_23_P88069	9,36373	8,81306	1,464765788	ENST00000379589	10186	NM_005780	LHFP
A_21_P0014414	2,81571	2,26514	1,464664262	N/A	N/A	N/A	N/A
A_24_P410408	2,7354	2,18494	1,464552591	ENST00000293670	3889	NM_002282	KRT83
A_22_P00022304	4,36402	3,81358	1,464532288	N/A	N/A	BX100553	Inc-SUSD2-1
A_21_P0014218	7,48129	6,93092	1,46446123	ENST00000607172	101927067	NR_125410	LOC101927067
A_21_P0009224	2,61989	2,0696	1,464380025	N/A	N/A	N/A	Inc-COX10-1
A_23_P45324	3,44974	2,89951	1,464319125	ENST00000372930	59353	NM_021637	TMEM35
A_33_P3332166	4,06586	3,51567	1,464278526	ENST00000366757	339501	NM_183062	PRSS38
A_24_P200854	8,44626	7,89609	1,464258227	ENST00000612779	3199	NM_006735	HOXA2
A_33_P3349843	5,30479	4,75463	1,464248077	N/A	N/A	BU171032	N/A
A_22_P00003309	4,05183	3,50169	1,464227779	ENST00000357568	825	NM_173087	CAPN3
A_21_P0003574	6,96716	6,4171	1,464146587	N/A	N/A	N/A	Inc-DRD5-10
A_33_P3290800	9,97823	9,42818	1,464136438	ENST00000494957	203522	NM_182540	DDX26B
A_19_P00317094	5,44393	4,89388	1,464136438	ENST00000430756	N/A	N/A	N/A
A_23_P74663	10,5896	10,0397	1,463984217	ENST00000352967	9015	NM_005681	TAF1A
A_32_P231086	8,76763	8,21773	1,463984217	ENST00000619556	440295	NM_198181	GOLGA6L9
A_33_P3359012	9,85141	9,30151	1,463984217	ENST00000331588	1850	NM_004420	DUSP8
A_21_P0007365	2,25868	1,70885	1,463913186	N/A	N/A	N/A	Inc-CABP2-1
A_33_P3281151	11,2135	10,6637	1,463882745	ENST00000487684	8880	NM_001303433	FUBP1
A_23_P321452	9,85886	9,3092	1,463740695	ENST00000334464	118987	NM_173791	PDZD8
A_21_P0002495	1,91186	1,36223	1,463710258	N/A	N/A	N/A	Inc-SLC35F5-5
A_24_P769672	9,43222	8,88261	1,463689967	ENST00000549960	728568	NM_001135570	C12orf73
A_23_P71904	11,9255	11,3759	1,463679821	ENST00000481189	28989	NM_014064	NTMT1
A_23_P116829	9,08646	8,53688	1,463659531	ENST00000318066	7334	NM_003348	UBE2N
A_22_P00012970	6,12847	5,57891	1,46363924	N/A	N/A	N/A	Inc-RELT-1
A_23_P25868	10,6771	10,1276	1,46357837	ENST00000556492	122830	NM_001011713	NAA30
A_24_P81298	8,76679	8,21738	1,463487071	ENST00000373547	5537	NM_001123355	PPP6C
A_23_P141173	3,78182	3,23241	1,463487071	ENST00000225275	4353	NM_000250	MPO
A_23_P56380	13,2935	12,7441	1,463476926	ENST00000337859	55854	NM_018471	ZC3H15
A_33_P3341509	10,7162	10,1669	1,463375489	ENST00000506459	N/A	N/A	N/A
A_33_P3223990	6,9918	6,44253	1,46334506	N/A	7170	NM_152263	TPM3



A_23_P165521	5,51507	4,96584	1,463304488	ENST00000379213	6801	NM_003162	STRN
A_21_P0005441	3,22022	2,67101	1,463284202	N/A	N/A	N/A	Inc-LRRC61-2
A_21_P0008046	4,27892	3,72975	1,463243632	ENST00000394457	130872	XM_006711943	AHSA2
A_24_P406334	9,66721	9,11811	1,463172637	ENST00000475789	26872	NM_012449	STEAP1
A_22_P00020347	5,8106	5,26158	1,463091503	ENST00000566922	N/A	N/A	N/A
A_21_P0010135	4,52861	3,9796	1,463081362	ENST00000451618	N/A	N/A	N/A
A_33_P3303086	10,9391	10,3901	1,463071221	ENST00000272249	92906	NM_138394	HNRNPLL
A_33_P3304528	10,2093	9,66036	1,463010375	ENST00000448372	29843	NM_001267595	SENP1
A_33_P3413541	8,62225	8,07331	1,463010375	N/A	379013	NR_001575	RNF138P1
A_33_P3318993	4,18509	3,63622	1,462939391	ENST00000532759	N/A	N/A	N/A
A_33_P3304707	2,64516	2,09635	1,46287855	ENST00000620395	N/A	KJ423128	N/A
A_24_P397107	9,67968	9,1309	1,462848131	ENST00000302506	993	NM_001789	CDC25A
A_32_P217510	11,1579	10,6092	1,462767015	ENST00000436347	84128	NM_032168	WDR75
A_24_P645765	9,3914	8,84281	1,462655489	ENST00000381271	57542	NM_020782	KLHL42
A_33_P3535972	2,8826	2,33402	1,462645351	ENST00000361795	56853	NM_020180	CELF4
A_21_P0001124	7,18041	6,63183	1,462645351	N/A	101929609	XR_246317	LOC101929609
A_33_P3358019	5,10954	4,561	1,462604798	N/A	102723804	N/A	LOC102723804
A_22_P00009583	10,0294	9,48093	1,462533834	ENST00000533004	100128338	NR_033849	FAM83H-AS1
A_23_P129443	2,43948	1,89103	1,462513559	ENST00000563151	N/A	AK000013	N/A
A_22_P00016247	5,29989	4,75145	1,462503422	N/A	N/A	N/A	Inc-TMCO2-1
A_22_P00016676	2,08482	1,53639	1,462493284	N/A	N/A	BX647623	Inc-TPO-5
A_21_P0009856	2,15942	1,611	1,462483147	ENST00000413070	N/A	N/A	N/A
A_33_P3215953	9,60015	9,05182	1,462391916	ENST00000474859	9019	NM_024569	MPZL1
A_33_P3305840	13,5681	13,0198	1,462361506	ENST00000415527	6432	NM_001195446	SRSF7
A_21_P0013327	8,92546	8,37723	1,462290554	ENST00000428370	493754	NR_111976	LOC493754
A_33_P3409289	6,21801	5,66979	1,462280418	N/A	N/A	N/A	N/A
A_33_P3330413	12,0019	11,4538	1,462158794	N/A	N/A	N/A	N/A
A_22_P00015858	2,05081	1,50273	1,462138524	ENST00000562617	N/A	N/A	N/A
A_33_P3236133	6,73062	6,18255	1,46212839	ENST00000437111	55164	NM_018130	SHQ1
A_33_P3366550	2,64141	2,09337	1,462097986	ENST00000404616	101929715	NR_110597	LOC101929715
A_22_P00025422	2,09701	1,54898	1,462087851	ENST00000545750	N/A	N/A	N/A
A_23_P140602	11,7459	11,1979	1,462057448	ENST00000561573	51335	NM_001033088	NGRN
A_23_P5785	5,90269	5,35472	1,462027046	ENST00000472667	129880	NM_152384	BBS5

A_32_P104746	8,78944	8,24165	1,461844645	ENST00000290974	57732	NM_020972	ZFYVE28
A_23_P214533	8,10207	7,55428	1,461844645	ENST00000344279	64288	NM_030899	ZSCAN31
A_21_P0010079	5,76325	5,21568	1,461621742	N/A	N/A	N/A	Inc-C20orf196-2
A_23_P25003	12,6654	12,1179	1,461550826	ENST00000620786	6249	NM_002956	CLIP1
A_23_P115743	9,05308	8,50565	1,461479913	ENST00000369183	63877	NM_022063	FAM204A
A_21_P0000073	11,4879	10,9405	1,461449522	ENST00000502536	9180	NM_001168355	OSMR
A_21_P0014386	4,72572	4,17845	1,461317838	N/A	N/A	N/A	N/A
A_33_P3331085	7,30335	6,75609	1,461307709	ENST00000398844	10802	NM_021982	SEC24A
A_24_P186346	9,8891	9,34188	1,461267194	ENST00000426110	64682	NM_022662	ANAPC1
A_23_P119923	11,834	11,2868	1,461246936	ENST00000377075	26504	NM_020184	CNNM4
A_23_P121686	13,5056	12,9584	1,461246936	ENST00000358008	9255	NM_004757	AIMP1
A_24_P126262	5,42479	4,87768	1,461155782	ENST00000470054	85317	NM_181704	BAGE4
A_22_P00020312	10,5115	9,96449	1,461054506	N/A	N/A	N/A	Inc-FKBP2-1
A_33_P3235640	4,84857	4,30157	1,461044379	ENST00000264515	5929	NM_001193273	RBBP5
A_24_P50248	7,08533	6,53843	1,46094311	ENST00000327669	642273	NM_001077710	FAM110C
A_24_P79712	10,1336	9,58677	1,460872226	ENST00000411948	116228	NM_198076	COX20
A_33_P3389023	7,06861	6,52178	1,460872226	ENST00000264228	79644	NM_024592	SRD5A3
A_32_P22622	7,64349	7,09672	1,460811472	ENST00000398071	8602	NM_003703	NOP14
A_21_P0012393	9,35846	8,81176	1,460740594	N/A	N/A	N/A	XLOC_I2_009883
A_24_P933011	4,12444	3,57779	1,46068997	ENST00000383490	645369	NM_001080209	TMEM200C
A_23_P333218	12,5664	12,0198	1,460639347	ENST00000523215	57222	NM_001031711	ERGIC1
A_33_P3284359	3,52609	2,97953	1,46059885	ENST00000378963	190	AW291512	NROB1
A_22_P00007155	4,1566	3,6101	1,460538107	N/A	101927269	NR_110075	LOC101927269
A_21_P0012287	3,80413	3,25763	1,460538107	ENST00000433066	N/A	N/A	N/A
A_33_P3357748	10,5487	10,0022	1,460538107	ENST00000513868	5820	NR_003367	PVT1
A_23_P379200	4,06895	3,52247	1,46051786	ENST00000335154	91010	NM_175736	FMNL3
A_21_P0001656	4,09257	3,54618	1,460426751	N/A	N/A	N/A	Inc-AL669831.1-4
A_24_P667968	2,71075	2,16437	1,460416628	ENST00000573103	26102	NR_026964	DKFZP434A062
A_33_P3242080	11,0395	10,4932	1,460335647	ENST00000566574	55308	NM_018332	DDX19A
A_21_P0008936	5,3139	4,76765	1,460285037	ENST00000568607	101927334	NR_110913	LOC101927334
A_21_P0000332	8,50242	7,95629	1,460163579	N/A	677826	NR_002977	SNORA45B
A_22_P00024355	3,983	3,43688	1,460153458	N/A	100509894	NR_046227	CPB2-AS1
A_22_P00009038	4,9338	4,38774	1,460092733	N/A	N/A	N/A	Inc-LDHC-1

A_21_P0011638	2,09468	1,54869	1,460021891	ENST00000428134	N/A	N/A	N/A
A_22_P00004700	5,02363	4,47768	1,459981411	N/A	102724301	NR_120587	LOC102724301
A_24_P191847	5,22937	4,68347	1,459930812	ENST00000515198	79810	NM_024754	PTCD2
A_22_P00004711	3,59438	3,04849	1,459920693	ENST00000548955	283387	CD675540	LOC283387
A_24_P67189	4,43629	3,89041	1,459910574	N/A	374768	AK097400	SPEM1
A_21_P0002746	2,15748	1,61166	1,459849859	ENST00000487097	N/A	N/A	N/A
A_23_P63010	12,3381	11,7923	1,459829621	ENST00000271688	29956	NM_181746	CERS2
A_22_P00015351	7,54466	6,99888	1,459809384	N/A	N/A	BC026275	Inc-SPRYD7-1
A_33_P3283400	10,4148	9,86908	1,459748673	N/A	100507747	XM_006709971	LOC100507747
A_33_P3415957	13,6744	13,1287	1,459728437	ENST00000267869	2958	NM_004492	GTF2A2
A_21_P0003887	5,08489	4,5392	1,459718319	N/A	N/A	N/A	Inc-STX18-1
A_33_P3275600	3,42079	2,87518	1,459637377	ENST00000547930	123745	NM_001206670	PLA2G4E
A_33_P3400903	2,03067	1,48506	1,459637377	N/A	27184	NR_002227	DISC2
A_33_P3236632	9,08172	8,53614	1,459607025	ENST00000475451	375056	NM_198551	MIA3
A_24_P300302	2,30216	1,75662	1,459566557	ENST00000520773	134466	NR_026867	ZNF300P1
A_33_P3280502	9,22693	8,68148	1,459475507	N/A	N/A	N/A	N/A
A_22_P00013354	3,4877	2,94227	1,459455275	N/A	N/A	AW451725	Inc-RP11-158I9.5.1-1
A_33_P3315320	5,27329	4,72787	1,459445159	ENST00000315066	124817	NM_173478	CNTD1
A_24_P134392	9,98849	9,44309	1,459424927	ENST00000285667	6782	NM_006948	HSPA13
A_21_P0002498	2,77108	2,22574	1,459364232	N/A	N/A	N/A	Inc-FCP2L1-1
A_23_P67829	10,4151	9,86979	1,459333886	ENST00000409032	80146	NM_025076	UXS1
A_21_P0002284	2,01923	1,47397	1,45928331	N/A	N/A	N/A	Inc-TSN-6
A_33_P3235322	4,32261	3,7774	1,459232736	ENST00000473280	84958	NM_032872	SYTL1
A_32_P64096	9,73776	9,19264	1,459141707	ENST00000328086	342357	NM_001012981	ZKSCAN2
A_23_P41159	7,73409	7,18905	1,459060797	ENST00000356692	151987	NM_174907	PPP4R2
A_23_P52676	9,44569	8,90066	1,459050684	ENST00000529244	117144	NM_053054	CATSPER1
A_33_P3255290	1,94262	1,39761	1,459030457	ENST00000333010	9832	NM_014790	JAKMIP2
A_23_P209778	10,6965	10,1515	1,459020344	ENST00000442758	5433	NM_004805	POLR2D
A_24_P126651	9,73568	9,19078	1,458919216	ENST00000522397	6917	NM_006756	TCEA1
A_33_P3350227	6,73257	6,18767	1,458919216	ENST00000471524	6837	NM_181491	MED22
A_33_P3226985	7,7879	7,24301	1,458909104	ENST00000313401	8851	NM_003885	CDK5R1
A_33_P3385785	2,88339	2,33857	1,458838319	ENST00000368737	6283	NM_005621	S100A12
A_33_P3265374	14,8724	14,3276	1,458818095	ENST00000539827	9454	NM_001145722	HOMER3

A_24_P367602	8,57284	8,02807	1,45878776	N/A	574029	NR_002834	DUSP5P1
A_23_P1998	4,45413	3,90946	1,458686648	ENST00000529890	322	NM_001164	APBB1
A_33_P3340154	6,1699	5,62525	1,458666427	ENST00000252137	8220	NM_022719	DGCR14
A_23_P128254	5,50972	4,96513	1,458605764	N/A	10599	NM_006446	SLCO1B1
A_22_P00021873	2,40807	1,86372	1,458363137	N/A	101927975	XR_246372	LOC101927975
A_23_P44643	8,83367	8,28934	1,45834292	ENST00000471602	51434	NM_016238	ANAPC7
A_23_P146637	14,3753	13,831	1,458312595	ENST00000378892	10280	NM_005866	SIGMAR1
A_22_P00012110	4,95821	4,41391	1,458312595	N/A	N/A	N/A	Inc-POFUT2-3
A_22_P00001469	2,78444	2,24021	1,458241839	N/A	N/A	N/A	Inc-ARAP2-2
A_23_P259127	10,3502	9,80602	1,458191301	ENST00000517556	54845	NM_017697	ESRP1
A_33_P3281171	4,43586	3,8918	1,458070017	ENST00000621995	100130987	NR_024469	LOC100130987
A_23_P5611	9,48793	8,94392	1,458019485	ENST00000430328	55183	NM_018151	RIF1
A_24_P311771	9,90245	9,35846	1,457999273	ENST00000507465	51663	NM_016107	ZFR
A_23_P113803	11,0386	10,4947	1,457908321	ENST00000367411	11104	NM_007044	KATNA1
A_23_P216549	9,36733	8,82358	1,457756747	ENST00000361226	9853	NM_014806	RUSC2
A_23_P92842	10,6508	10,1071	1,457706226	ENST00000508363	51128	NM_001033503	SAR1B
A_33_P3250148	7,16171	6,6182	1,457514262	ENST00000361443	221833	NM_198956	SP8
A_21_P0013113	10,2514	9,70789	1,457514262	N/A	N/A	N/A	XLOC_I2_013189
A_21_P0006525	2,09492	1,55144	1,457483954	ENST00000608176	4281	XR_247299	MID1
A_33_P3269824	2,12805	1,58463	1,45742334	ENST00000343457	339977	NM_001024611	LRRC66
A_33_P3293247	6,90917	6,36575	1,45742334	ENST00000616132	26086	NM_015597	GPSM1
A_23_P210554	7,51025	6,96692	1,457332424	ENST00000422556	9825	NM_006038	SPATA2
A_24_P30314	14,7482	14,2049	1,45730212	ENST00000270176	57410	NM_020680	SCYL1
A_33_P3416634	2,20098	1,65769	1,457292019	ENST00000399677	360226	NM_001135086	PRSS41
A_22_P00016516	2,30585	1,76267	1,45718091	ENST00000415820	N/A	N/A	N/A
A_21_P0005945	3,20455	2,66152	1,457029412	ENST00000523550	N/A	N/A	N/A
A_22_P00021145	4,8757	4,33267	1,457029412	N/A	101927557	NR_110808	LOC101927557
A_22_P00009887	5,44172	4,89877	1,456948619	N/A	N/A	EU137727	Inc-MFSD4-1
A_23_P213000	11,9357	11,3928	1,456898126	ENST00000382452	9948	NM_017491	WDR1
A_22_P00003167	2,35642	1,81355	1,456867831	N/A	N/A	BU679040	Inc-C9orf66-3
A_33_P3359869	8,39084	7,84801	1,456827438	N/A	N/A	N/A	N/A
A_23_P52298	13,4965	12,9537	1,456797145	ENST00000474993	10360	NM_006993	NPM3
A_22_P00008116	8,39685	7,85444	1,456403386	N/A	N/A	N/A	Inc-IL23A-2

A_33_P3377851	4,59092	4,04865	1,456262063	ENST00000599531	57469	NM_020709	PNMAL2
A_22_P00022412	5,55543	5,01321	1,456211593	ENST00000580863	54941	NM_017831	RNF125
A_24_P935009	8,58537	8,04318	1,456181312	ENST00000354336	1399	NM_005207	CRKL
A_24_P127748	4,90968	4,36751	1,456161126	ENST00000313350	23122	NM_015097	CLASP2
A_33_P3403583	4,67534	4,1332	1,456130846	ENST00000378368	N/A	AB231740	N/A
A_22_P00017405	3,69818	3,15605	1,456120753	ENST00000422160	N/A	N/A	N/A
A_22_P00010727	2,07733	1,53525	1,456070288	ENST00000438371	N/A	N/A	N/A
A_22_P00013127	1,96751	1,42556	1,455939089	N/A	N/A	N/A	Inc-RMI1-7
A_21_P0014877	3,85247	3,31058	1,45587854	N/A	N/A	N/A	N/A
A_21_P0008206	4,78446	4,24264	1,455807902	N/A	N/A	N/A	Inc-GPR183-3
A_21_P0010471	3,44272	2,90097	1,455737267	N/A	N/A	N/A	Inc-MAPK8IP2-1
A_33_P3316686	8,04514	7,50344	1,455686816	ENST00000369679	51167	NM_016230	CYB5R4
A_33_P3231705	2,78665	2,24499	1,455646456	ENST00000333952	342926	NM_182609	ZNF677
A_33_P3254510	9,48697	8,94564	1,455313532	ENST00000391405	N/A	N/A	N/A
A_32_P212897	2,35067	1,80938	1,455273183	ENST00000430097	643406	NR_029405	LOC643406
A_22_P00013141	6,70713	6,1659	1,455212661	N/A	N/A	N/A	Inc-RNASEH1-2
A_23_P76684	10,7497	10,2085	1,455182401	ENST00000341307	10313	NM_006054	RTN3
A_22_P00008975	2,31449	1,77338	1,455091625	ENST00000583840	400643	N/A	LINC00668
A_32_P28402	7,94706	7,40595	1,455091625	ENST00000417404	147172	NR_015341	LRRC37BP1
A_33_P3278896	3,97947	3,43843	1,455021025	N/A	N/A	N/A	N/A
A_23_P11841	5,55773	5,01672	1,454990769	ENST00000341360	493	NM_001684	ATP2B4
A_33_P3253528	5,16723	4,62624	1,454970599	ENST00000409312	9477	NM_004275	MED20
A_22_P00009808	2,4316	1,89063	1,454950428	N/A	N/A	N/A	Inc-MELK-1
A_23_P53614	8,47327	7,93232	1,454930259	ENST00000547043	8315	NM_006768	BRAP
A_21_P0005759	2,27052	1,72972	1,454778994	N/A	N/A	N/A	Inc-FER1L6-1
A_23_P131954	14,5506	14,0098	1,454778994	ENST00000476648	27131	NM_014426	SNX5
A_22_P00004067	5,93991	5,39916	1,454728577	N/A	N/A	BC073817	Inc-CHSY1-5
A_33_P3412125	16,304	15,7633	1,45467816	ENST00000487216	N/A	N/A	N/A
A_23_P116414	11,6131	11,0724	1,45467816	ENST00000394613	11145	NM_007069	PLA2G16
A_33_P3325330	3,21831	2,6777	1,454587416	N/A	N/A	N/A	N/A
A_23_P213014	10,9181	10,3775	1,454577333	ENST00000503280	56606	NM_001001290	SLC2A9
A_24_P372048	12,1898	11,6492	1,454577333	ENST00000421621	10652	NM_006555	YKT6
A_22_P00005682	9,06483	8,52424	1,454567251	N/A	N/A	AK296878	Inc-EIF6-1

A_33_P3330841	5,7813	5,24072	1,454557169	ENST00000458191	3364	NM_004507	HUS1
A_23_P152038	8,26418	7,72361	1,454547086	ENST00000620238	114791	NM_052903	TUBGCP5
A_22_P00025843	4,76244	4,22188	1,454537004	N/A	N/A	N/A	Inc-CHAD-5
A_19_P00321147	4,1772	3,63667	1,454506758	ENST00000481148	285286	N/A	LINC00877
A_33_P3258953	6,35496	5,81449	1,454446268	ENST00000332441	347918	NR_003290	EP400NL
A_22_P00005441	2,05202	1,51163	1,454365619	N/A	N/A	N/A	Inc-DUPD1-2
A_24_P6903	9,74775	9,20737	1,454355538	ENST00000423391	345651	NM_001017992	ACTBL2
A_22_P00009265	8,53917	7,99882	1,454325296	N/A	4043	NM_002337	LRPAP1
A_22_P00003096	1,95626	1,41596	1,454274894	ENST00000523881	N/A	N/A	N/A
A_33_P3357445	7,44487	6,90464	1,454204334	ENST00000392872	6996	NM_003211	TDG
A_22_P00023928	4,11847	3,57826	1,454184174	N/A	N/A	BX647685	Inc-RP11-293M10.1.1-1
A_23_P57370	11,096	10,5558	1,454174095	ENST00000486462	27440	NM_033070	CECR5
A_23_P162322	6,65186	6,11194	1,453891894	ENST00000301061	7480	NM_003394	WNT10B
A_21_P0008815	4,26326	3,72355	1,45368028	N/A	N/A	N/A	Inc-C15orf2-1
A_23_P51690	4,02634	3,48683	1,453478771	ENST00000618120	57127	NM_020407	RHBG
A_23_P89030	10,184	9,64451	1,453458622	ENST00000253461	100506581	NM_001195124	C16orf95
A_22_P00024702	1,99744	1,45803	1,453378027	N/A	N/A	CD516272	Inc-FZD4-1
A_23_P128574	5,82031	5,2809	1,453378027	ENST00000412891	55068	NM_017993	ENOX1
A_22_P00009309	2,56678	2,02738	1,453367953	N/A	N/A	N/A	Inc-LRRC48-1
A_23_P306933	10,7298	10,1905	1,453267217	ENST00000354300	160760	NM_139283	PPTC7
A_22_P00006628	4,16802	3,62873	1,453257143	N/A	N/A	BC087858	Inc-FOXC1-2
A_21_P0000909	5,39642	4,85718	1,453206778	ENST00000448179	284600	XR_108282	LOC284600
A_33_P3340769	5,84732	5,30811	1,45317656	N/A	8754	NM_003816	ADAM9
A_33_P3209703	4,07686	3,53776	1,453065765	N/A	N/A	N/A	N/A
A_21_P0003496	2,96367	2,42457	1,453065765	ENST00000512219	101927007	NR_110660	LINC01365
A_24_P152325	8,52831	7,98923	1,453045621	ENST00000487308	N/A	N/A	N/A
A_21_P0012053	4,82586	4,28687	1,452954978	ENST00000426839	388574	NR_029406	FLJ43681
A_21_P0009603	2,47096	1,93204	1,452884482	ENST00000589566	101927433	XR_243834	LINC01255
A_23_P502641	9,07776	8,53886	1,452864341	ENST00000449617	9117	NM_032970	SEC22C
A_22_P00017079	4,5743	4,03546	1,45280392	N/A	N/A	N/A	Inc-TUSC5-2
A_21_P0008283	2,63404	2,0953	1,452703222	ENST00000568290	4287	AX721190	ATXN3
A_23_P373598	11,4503	10,9116	1,452662945	ENST00000403150	7975	NM_002360	MAFK
A_23_P90933	4,08752	3,54888	1,452602532	ENST00000342619	142679	NM_080876	DUSP19

A_21_P0014456	6,11964	5,58105	1,45255219	N/A	N/A	N/A	N/A
A_32_P47870	2,27125	1,73276	1,45245151	N/A	N/A	BI911851	Inc-PDZD8-1
A_23_P106174	8,09104	7,55257	1,452431375	ENST00000394157	5663	AJ008005	PSEN1
A_21_P0005784	2,05158	1,51339	1,452149512	N/A	N/A	N/A	Inc-ERICH1-2
A_23_P134601	2,46448	1,9263	1,452139447	ENST00000222462	51384	NM_057168	WNT16
A_21_P0012717	2,40451	1,86635	1,452119316	ENST00000506425	N/A	N/A	N/A
A_22_P00006197	7,83966	7,30158	1,452038796	N/A	N/A	BC033764	Inc-FAM3A-1
A_22_P00001009	5,63687	5,09887	1,45195828	ENST00000318245	729420	N/A	LMO7DN
A_33_P3209915	6,5759	6,03797	1,451887832	ENST00000340434	375743	NM_001099666	PTAR1
A_23_P259521	10,0564	9,51851	1,451847578	ENST00000414719	55255	NM_018268	WDR41
A_33_P3357879	5,69292	5,15508	1,451797262	N/A	N/A	N/A	N/A
A_22_P00020712	2,69674	2,15897	1,451726822	ENST00000455857	N/A	BX111115	N/A
A_22_P00020595	5,87885	5,3411	1,451706697	N/A	N/A	N/A	Inc-SBF2-1
A_22_P00012788	4,63063	4,09308	1,451505461	N/A	N/A	N/A	Inc-RALGDS-1
A_24_P101800	5,38251	4,84505	1,451414914	ENST00000485364	140688	BC023657	NOL4L
A_33_P3390441	13,9625	13,4251	1,451354553	ENST00000290158	3837	NM_002265	KPNB1
A_21_P0013335	1,99065	1,45325	1,451354553	N/A	N/A	N/A	XLOC_I2_013910
A_23_P6413	9,69887	9,16155	1,451274075	ENST00000490967	140606	NM_080430	SELM
A_24_P4736	2,57959	2,0423	1,451243897	ENST00000325113	113746	NM_053280	ODF3
A_24_P291401	7,83845	7,30118	1,451223779	ENST00000422458	129303	NM_001031738	TMEM150A
A_33_P3367341	1,97042	1,43316	1,451213719	N/A	N/A	N/A	N/A
A_22_P00002539	7,24649	6,70924	1,45120366	ENST00000570569	57048	NM_020360	PLSCR3
A_33_P3319596	12,3085	11,7713	1,451153366	ENST00000456048	128989	NM_001283106	TANGO2
A_22_P00011809	5,46685	4,9298	1,451002495	ENST00000443747	N/A	N/A	N/A
A_23_P122805	11,577	11,04	1,450952208	ENST00000397622	84928	NM_032842	TMEM209
A_23_P63972	2,31273	1,77583	1,450851639	ENST00000514950	390213	N/A	DOC2GP
A_23_P424513	10,5695	10,0326	1,450851639	ENST00000539980	10048	NM_005493	RANBP9
A_33_P3336273	5,36976	4,83289	1,45082147	ENST00000397909	89795	NM_001024383	NAV3
A_22_P00015975	4,94729	4,41046	1,450781245	N/A	N/A	N/A	Inc-TELO2-3
A_33_P3356577	5,60234	5,06552	1,450771189	ENST00000381596	10326	N/A	SIRPB1
A_22_P00008594	1,98494	1,44815	1,450741021	N/A	N/A	N/A	Inc-KCTD6-2
A_22_P00010323	2,24465	1,7079	1,450700799	N/A	N/A	N/A	Inc-MUTYH-1
A_21_P0000379	4,33594	3,79923	1,450660577	N/A	692108	NR_003056	SNORD67

A_22_P00011381	1,92028	1,3836	1,450630412	N/A	N/A	N/A	Inc-P2RY4-1
A_21_P0014253	4,31501	3,77836	1,450600247	N/A	100505601	NR_108043	PARD3-AS1
A_23_P65129	11,2174	10,6808	1,450549974	ENST00000301463	84926	NM_032840	SPRYD3
A_22_P00008811	2,56654	2,02999	1,450499703	ENST00000557928	102725022	AI912566	LOC102725022
A_33_P3390773	8,60058	8,06407	1,450459487	ENST00000299550	9866	NM_014818	TRIM66
A_23_P164089	10,5803	10,0438	1,450449433	ENST00000394597	117584	NM_001017368	RFFL
A_33_P3399713	2,20595	1,66945	1,450449433	N/A	N/A	N/A	N/A
A_23_P433369	8,34321	7,80677	1,450389112	ENST00000543095	25938	NM_015473	HEATR5A
A_32_P112881	13,452	12,9156	1,450348899	ENST00000374274	29934	NM_001256185	SNX12
A_24_P923102	6,18483	5,64851	1,450268477	ENST00000392647	100526832	NM_001199290	PHOSPHO2-KLHL23
A_23_P19482	12,9391	12,4028	1,450248372	ENST00000375789	23564	NM_013974	DDAH2
A_24_P417460	2,09232	1,55602	1,450248372	ENST00000397167	57713	NM_001029880	SFMBT2
A_23_P155441	11,3859	10,8496	1,450248372	ENST00000296292	91869	NM_052859	RFT1
A_23_P324754	9,75452	9,21829	1,450178007	ENST00000394685	57214	NM_018689	CEMIP
A_24_P123720	7,7657	7,22948	1,450167956	ENST00000369002	11231	NM_007214	SEC63
A_33_P3332989	2,48208	1,94593	1,450097595	N/A	N/A	N/A	N/A
A_33_P3318668	12,1262	11,5901	1,450047339	ENST00000409414	375791	NM_199001	CYSRT1
A_23_P300740	4,21472	3,67863	1,450037288	ENST00000333383	256933	NM_148896	NPB
A_23_P252306	17,0348	16,4988	1,449946833	ENST00000376105	3397	NM_002165	ID1
A_21_P0003172	2,70795	2,17198	1,449916682	N/A	102723759	XR_425634	LOC102723759
A_21_P0008421	3,23112	2,69517	1,449896582	N/A	N/A	N/A	Inc-MBIP-2
A_33_P3357149	7,05692	6,52111	1,44975589	ENST00000323387	N/A	XM_006717902	N/A
A_33_P3266564	3,89157	3,35578	1,449735793	ENST00000382160	440023	NM_001012416	KRTAP5-6
A_24_P78161	7,26797	6,73225	1,449665453	ENST00000397292	9373	NM_001031689	PLAA
A_22_P00018982	1,92819	1,39249	1,449645356	ENST00000550309	N/A	AY927578	N/A
A_23_P148372	12,1094	11,5737	1,449645356	ENST00000372972	1478	NM_001325	CSTF2
A_23_P7791	8,26001	7,72437	1,449585068	ENST00000370435	79627	NM_024576	OGFRL1
A_23_P129569	9,19349	8,65795	1,449484594	ENST00000261584	79728	NM_024675	PALB2
A_33_P3240702	12,4568	11,9213	1,449444407	ENST00000327155	5932	NM_002894	RBBP8
A_21_P0012656	3,4287	2,8934	1,449243485	N/A	N/A	N/A	XLOC_I2_011043
A_21_P0004815	5,86928	5,33402	1,449203304	N/A	101927703	NR_125804	FOX CUT
A_22_P00023186	2,77464	2,23959	1,448992372	ENST00000412789	N/A	EG328425	N/A
A_23_P255153	10,4343	9,89939	1,448851768	ENST00000305536	51634	NM_016024	RBMX2



A_23_P85765	3,27828	2,74356	1,448660969	ENST00000362061	779	NM_000069	CACNA1S
A_22_P00008958	6,11424	5,57954	1,448640887	ENST00000413796	N/A	N/A	N/A
A_23_P217666	17,5695	17,0348	1,448640887	ENST00000436473	N/A	CR542069	N/A
A_33_P3266350	3,82843	3,29382	1,448550519	N/A	N/A	N/A	N/A
A_23_P386420	9,82351	9,28894	1,448510357	ENST00000618160	2967	NM_001516	GTF2H3
A_33_P3271301	7,28341	6,74904	1,448309565	ENST00000335626	6942	NM_181492	TCF20
A_23_P109881	5,60391	5,06958	1,44826941	ENST00000464000	3700	NM_002218	ITIH4
A_33_P3287840	6,24183	5,70758	1,448189103	ENST00000494250	8027	NM_003473	STAM
A_23_P46470	13,5632	13,029	1,448138913	ENST00000377482	54206	NM_018948	ERRFI1
A_21_P0000241	8,34254	7,8084	1,448078688	N/A	594839	NR_002436	SNORA33
A_22_P00003244	9,62203	9,08792	1,448048576	N/A	N/A	N/A	Inc-CADPS-1
A_23_P144999	8,09604	7,56193	1,448048576	ENST00000512611	51735	NM_016340	RAPGEF6
A_24_P338788	6,83152	6,29746	1,447998392	ENST00000379800	122011	NM_145203	CSNK1A1L
A_33_P3347932	15,1231	14,5892	1,447837812	ENST00000527328	3297	NM_005526	HSF1
A_33_P3278868	7,59792	7,06411	1,447747494	N/A	25938	BC062720	HEATR5A
A_23_P133474	2,95709	2,42333	1,44769732	ENST00000614343	2878	NM_002084	GPX3
A_21_P0010749	5,77606	5,24244	1,447556842	ENST00000491962	100288069	NR_033908	LOC100288069
A_19_P00319093	3,90266	3,36913	1,447466541	ENST00000510694	100506465	N/A	LINC01234
A_24_P945147	8,88144	8,34792	1,447456508	ENST00000537505	9135	NM_004703	RABEP1
A_19_P00322191	5,50718	4,97372	1,447396311	ENST00000523759	100272228	NR_027456	LINC00894
A_23_P44569	4,73904	4,20575	1,447225767	ENST00000370449	1244	NM_000392	ABCC2
A_23_P132760	2,04299	1,50994	1,446985034	ENST00000302649	7200	NM_007117	TRH
A_23_P52127	13,1093	12,5763	1,446934886	ENST00000367595	84320	NM_032360	ACBD6
A_33_P3421351	2,09874	1,5658	1,446874711	ENST00000476050	80342	NM_001287754	TRAF3IP3
A_33_P3237699	7,73381	7,20089	1,446854653	ENST00000283632	64795	NM_022780	RMND5A
A_23_P259328	9,88152	9,34866	1,446794481	ENST00000367591	8504	NM_003630	PEX3
A_21_P0010012	3,68426	3,15142	1,446774425	N/A	N/A	N/A	Inc-FOXA2-6
A_23_P161998	3,0582	2,52546	1,446674145	ENST00000527556	3263	NM_000613	HPX
A_32_P182941	16,7304	16,1977	1,446634036	ENST00000407940	6188	NM_001005	RPS3
A_22_P00020206	2,46788	1,93532	1,44649366	ENST00000547902	N/A	BX088918	N/A
A_33_P3317618	3,54534	3,01279	1,446483634	ENST00000620175	6854	NM_003178	SYN2
A_22_P00008349	1,9866	1,45415	1,446383375	N/A	N/A	BI825590	Inc-ITSN2-2
A_24_P106681	15,0065	14,4741	1,446333248	ENST00000307630	7532	NM_012479	YWHAG

A_33_P3535175	9,20669	8,67442	1,446202926	N/A	N/A	BX095413	N/A
A_23_P40693	8,4836	7,95139	1,446142781	ENST00000263253	2033	NM_001429	EP300
A_23_P123905	11,5347	11,0025	1,446132757	ENST00000396521	51010	NM_016042	EXOSC3
A_22_P00007233	1,96258	1,43047	1,446042546	ENST00000502661	N/A	N/A	N/A
A_33_P3252594	7,3746	6,84251	1,446022499	N/A	N/A	N/A	N/A
A_33_P3299435	8,70137	8,1693	1,446002453	ENST00000312397	9092	NM_005146	SART1
A_21_P0010886	11,0899	10,5579	1,445932295	N/A	N/A	N/A	XLOC_I2_002033
A_23_P57236	8,29574	7,76378	1,445892205	ENST00000469018	2686	NM_178026	GGT7
A_21_P0000389	6,19494	5,66304	1,445832074	N/A	692208	NR_003073	SNORD91B
A_33_P3385567	3,23399	2,70214	1,445781966	ENST00000472842	406	AK128317	ARNTL
A_21_P0003698	2,33025	1,7984	1,445781966	N/A	N/A	N/A	Inc-ZFP42-2
A_23_P118427	10,8331	10,3013	1,44573186	ENST00000613338	5606	NM_145109	MAP2K3
A_22_P00022577	2,14868	1,61688	1,44573186	ENST00000371169	N/A	XM_003846297	N/A
A_21_P0014089	7,44994	6,91815	1,445721839	N/A	101927027	NR_110205	LOC101927027
A_21_P0003467	2,16101	1,62926	1,445681755	ENST00000513551	N/A	N/A	N/A
A_33_P3336103	9,7181	9,18642	1,445611612	ENST00000321385	84948	NM_032862	TIGD5
A_24_P742352	2,3052	1,77352	1,445611612	N/A	348021	NR_026852	LINC00442
A_24_P124672	15,6336	15,102	1,445531453	ENST00000548342	8655	NM_001037494	DYNLL1
A_23_P79993	2,10664	1,5751	1,445471336	ENST00000449810	10047	NM_005492	CST8
A_19_P00316701	16,642	16,1106	1,445331073	ENST00000623001	387066	NR_003038	SNHG5
A_19_P00317337	3,61879	3,0874	1,445321055	ENST00000434020	100506047	XR_109976	LOC100506047
A_33_P3243332	8,78971	8,25835	1,445291001	ENST00000529535	143872	NM_152432	ARHGAP42
A_33_P3296769	5,22044	4,6891	1,445270965	N/A	N/A	N/A	N/A
A_22_P00012190	4,13929	3,60795	1,445270965	N/A	N/A	DB062595	Inc-POU4F2-2
A_21_P0013798	4,27701	3,74571	1,445230894	N/A	N/A	N/A	XLOC_I2_015641
A_33_P3347241	3,52367	2,99243	1,44517079	ENST00000399720	100874392	NR_046228	ANKRD20A12P
A_23_P51051	8,69927	8,16806	1,445140739	ENST00000411696	7701	NM_001105537	ZNF142
A_23_P138849	10,6297	10,0985	1,445130722	ENST00000525600	10524	NM_006388	KAT5
A_33_P3275510	9,52143	8,99024	1,445120705	ENST00000303142	149840	XM_006723549	C20orf196
A_21_P0005431	3,49089	2,95971	1,445110688	N/A	N/A	N/A	Inc-MKLN1-1
A_21_P0008501	3,4133	2,88225	1,444980476	N/A	N/A	N/A	Inc-GPR132-1
A_32_P815507	3,92384	3,39284	1,444930398	N/A	100130920	AK093639	LOC100130920
A_23_P426021	12,3386	11,8076	1,444930398	ENST00000513416	23231	NM_015187	SEL1L3

A_21_P0006139	3,97289	3,44201	1,444810217	N/A	N/A	N/A	Inc-PRSS3-1
A_23_P207537	11,8478	11,317	1,444730102	ENST00000614294	11072	NM_007026	DUSP14
A_23_P70748	13,3079	12,7771	1,444730102	ENST00000258062	85021	NM_031922	REPS1
A_33_P3240679	3,95169	3,42095	1,444670019	ENST00000371842	8019	N/A	BRD3
A_21_P0006510	5,10184	4,57111	1,444660005	N/A	N/A	N/A	Inc-PRPS1-1
A_33_P3408047	1,99978	1,46918	1,444529834	N/A	N/A	N/A	N/A
A_23_P11800	11,5274	10,9968	1,444529834	ENST00000375078	55450	NM_018584	CAMK2N1
A_24_P317719	9,31636	8,78582	1,444469759	ENST00000525081	54904	NM_017778	WHSC1L1
A_21_P0002241	3,62009	3,08957	1,444449734	N/A	100507171	N/A	BOLA3-AS1
A_33_P3249574	7,67399	7,14356	1,444359628	N/A	9522	NM_004866	SCAMP1
A_21_P0004704	3,64567	3,11526	1,444339605	ENST00000452944	N/A	N/A	N/A
A_22_P00013913	4,91305	4,38267	1,444309571	N/A	N/A	XR_109205	Inc-RPS27L-2
A_33_P3319161	9,40178	8,8715	1,444209462	ENST00000396366	2395	NM_181425	FXN
A_33_P3381183	3,65802	3,1278	1,444149401	ENST00000511230	93556	NR_021485	EGFEM1P
A_21_P0000236	10,111	9,58082	1,444109361	ENST00000527826	26784	NR_002326	SNORA64
A_32_P60606	2,24993	1,71975	1,444109361	ENST00000391437	399716	XR_242715	DKFZp667F0711
A_22_P00005356	2,15911	1,62896	1,444079332	ENST00000561881	N/A	AL049277	N/A
A_33_P3262833	6,17548	5,64535	1,444059313	ENST00000612805	390535	NR_033350	GOLGA8EP
A_33_P3214293	7,09718	6,56707	1,444039294	ENST00000234310	5534	NM_000945	PPP3R1
A_24_P333663	9,38113	8,85103	1,444029285	ENST00000261845	5597	NM_002748	MAPK6
A_33_P3335865	8,31131	7,7813	1,443939204	ENST00000345530	57539	NM_001006657	WDR35
A_21_P0008786	6,23535	5,70538	1,44389917	N/A	N/A	N/A	Inc-RGMA-9
A_23_P161152	9,9479	9,41804	1,443789083	ENST00000470978	23590	NM_014317	PDSS1
A_22_P00016153	2,36544	1,83559	1,443779075	N/A	N/A	BX363751	Inc-TIMP3-5
A_21_P0010287	5,8281	5,29828	1,443749053	N/A	N/A	N/A	Inc-RSPH1-4
A_33_P3363507	2,0992	1,56942	1,443709024	N/A	N/A	N/A	N/A
A_23_P256047	8,72036	8,19058	1,443709024	ENST00000378380	63926	XM_005260792	ANKEF1
A_21_P0011029	6,51507	5,98531	1,44368901	ENST00000587910	731275	NR_029401	LINC01347
A_33_P3256550	6,0661	5,53638	1,443648983	N/A	100131515	AF190155	MST152
A_33_P3231352	7,03626	6,50655	1,443638977	N/A	N/A	AK022088	N/A
A_23_P146798	12,8575	12,3278	1,44362897	ENST00000478753	22928	NM_012248	SEPHS2
A_19_P00320970	4,14219	3,61251	1,443608957	ENST00000515306	101929696	NR_105052	LOC101929696
A_33_P3361278	2,46509	1,93546	1,443558926	ENST00000599893	162966	N/A	ZNF600

A_33_P3313476	4,75173	4,22212	1,443538915	ENST00000345108	646799	NM_001136571	ZAR1L
A_32_P148796	9,20305	8,67345	1,443528909	ENST00000399598	137886	NM_001077619	UBXN2B
A_33_P3404697	9,79212	9,26256	1,443488886	ENST00000483455	118672	NM_153336	PSTK
A_33_P3272520	2,7333	2,20375	1,443478881	ENST00000514084	N/A	N/A	N/A
A_33_P3232504	12,2531	11,7236	1,443428855	ENST00000409414	375791	NM_199001	CYSRT1
A_33_P3358905	4,98558	4,4561	1,443408844	N/A	N/A	N/A	N/A
A_33_P3277367	4,34217	3,8127	1,44339884	N/A	N/A	N/A	Inc-FAM82A1-2
A_24_P416660	11,8659	11,3365	1,443328807	ENST00000492239	112812	NM_001031734	FDX1L
A_23_P75149	11,8157	11,2863	1,443328807	ENST00000355697	119559	NM_213649	SFXN4
A_21_P0012609	6,9486	6,41922	1,443308798	ENST00000509661	N/A	N/A	N/A
A_33_P3327762	3,66291	3,13357	1,443268782	N/A	N/A	N/A	N/A
A_21_P0002718	2,30148	1,77215	1,443258778	ENST00000492569	N/A	N/A	N/A
A_23_P62115	14,0432	13,5139	1,443228767	ENST00000218388	7076	NM_003254	TIMP1
A_23_P40240	11,5006	10,9714	1,443128733	ENST00000217131	1522	NM_001336	CTSZ
A_24_P289709	2,01007	1,48093	1,443068716	ENST00000623781	N/A	AF116719	N/A
A_33_P3328958	2,05486	1,52574	1,443048711	N/A	N/A	N/A	N/A
A_24_P371962	12,672	12,1429	1,443028707	ENST00000619590	262	NM_001634	AMD1
A_22_P00011174	2,55329	2,02424	1,442978696	ENST00000522189	N/A	N/A	N/A
A_24_P222655	3,76534	3,2363	1,442968694	ENST00000374642	712	NM_015991	C1QA
A_22_P00025157	3,43669	2,90767	1,44294869	ENST00000455005	101929683	XR_242023	LOC101929683
A_33_P3408844	7,85561	7,32662	1,442918685	ENST00000423084	100133091	NR_029411	LOC100133091
A_21_P0013046	4,34934	3,82043	1,442838675	N/A	N/A	N/A	XLOC_I2_012802
A_33_P3367017	9,54888	9,02004	1,44276867	ENST00000534617	25855	NM_001024957	BRMS1
A_33_P3225705	5,17798	4,64914	1,44276867	ENST00000288985	375748	NM_001010895	ERCC6L2
A_21_P0014103	6,15286	5,62414	1,442648669	N/A	101929947	XR_251219	LOC101929947
A_22_P00015816	4,17535	3,64667	1,442608671	N/A	N/A	N/A	Inc-TAX1BP3-1
A_23_P24723	10,961	10,4324	1,442528678	ENST00000545420	51524	NM_016464	TMEM138
A_33_P3267263	10,626	10,0974	1,442528678	N/A	26863	NR_004400	RNVU1-18
A_21_P0011014	9,20589	8,67736	1,442458687	ENST00000527217	29104	N/A	N6AMT1
A_21_P0011945	16,8118	16,2833	1,442428693	ENST00000427719	N/A	N/A	N/A
A_32_P42964	7,63748	7,10903	1,442378703	ENST00000329309	389493	NM_001145712	NUPR1L
A_33_P3277752	3,07605	2,54772	1,442258734	ENST00000462692	200539	NM_144994	ANKRD23
A_23_P1343	8,41472	7,88654	1,442108787	ENST00000377524	8027	NM_003473	STAM

A_24_P163113	13,7187	13,1906	1,442028822	ENST00000431519	55573	NM_017548	CDV3
A_23_P1585	14,6956	14,1675	1,442028822	ENST00000406310	2101	NM_004451	ESRRA
A_22_P00010921	2,084	1,55612	1,44180894	N/A	101927730	NR_110841	LOC101927730
A_22_P00003084	2,01483	1,48704	1,441718998	N/A	N/A	N/A	Inc-C8orf56-3
A_33_P3281905	10,3131	9,78533	1,441699012	ENST00000557075	100144604	NR_021493	LINC00930
A_22_P00000219	2,02219	1,4945	1,441619069	N/A	100128560	NR_125367	MYHAS
A_22_P00008931	8,65769	8,13	1,441619069	ENST00000548702	N/A	N/A	N/A
A_23_P96383	8,63338	8,10571	1,441599084	ENST00000479015	8406	NM_006307	SRPX
A_23_P41365	5,14264	4,61502	1,441549123	ENST00000226460	26952	NM_012390	SMR3A
A_21_P0012176	2,08143	1,55383	1,441529139	N/A	N/A	N/A	XLOC_I2_009096
A_33_P3296198	17,5256	16,9981	1,441429224	ENST00000418539	401207	NM_001164479	C5orf63
A_23_P391764	5,13779	4,61057	1,441149496	ENST00000372190	2889	NM_198679	RAPGEF1
A_33_P3392525	11,9716	11,4444	1,441129518	ENST00000320033	379	NM_001661	ARL4D
A_23_P63343	3,4644	2,93726	1,441069584	ENST00000054668	10911	NM_021995	UTS2
A_23_P31376	5,06003	4,53292	1,441039618	ENST00000308478	54674	NM_018334	LRRN3
A_21_P0013377	2,13855	1,61157	1,440909773	ENST00000457000	100506289	XR_108753	LOC100506289
A_33_P3212356	4,03377	3,50682	1,440879811	ENST00000496132	642968	NM_001080515	FAM163B
A_24_P941930	8,38616	7,85924	1,440849849	ENST00000396842	85403	NM_033083	EAF1
A_21_P0012269	3,41012	2,88321	1,440839862	N/A	N/A	N/A	XLOC_I2_009358
A_21_P0007188	2,09989	1,57303	1,440789927	N/A	N/A	N/A	Inc-SLC17A6-1
A_22_P00010177	4,10195	3,57512	1,440759967	N/A	N/A	N/A	Inc-MRPS25-3
A_21_P0009022	4,50019	3,97346	1,440660104	N/A	102725458	N/A	LOC102725458
A_24_P84340	2,40399	1,87727	1,440650119	ENST00000478569	375449	NM_198828	MAST4
A_22_P00016633	3,99624	3,46968	1,440490354	ENST00000567904	102724564	BC039325	LOC102724564
A_21_P0013963	3,85825	3,33174	1,440440432	N/A	100507445	AK129626	LOC100507445
A_21_P0001211	2,41453	1,88802	1,440440432	N/A	N/A	N/A	Inc-KCNT2-2
A_24_P674924	9,34304	8,81665	1,440320624	ENST00000260665	10128	NM_133259	LRPPRC
A_22_P00010422	2,05125	1,52493	1,440250741	N/A	N/A	N/A	Inc-MYOM1-3
A_23_P76841	13,431	12,9047	1,440230775	ENST00000556022	25983	NM_001042635	NGDN
A_33_P3218450	5,78703	5,2608	1,440160896	ENST00000209728	990	NM_001254	CDC6
A_23_P138655	3,95272	3,42649	1,440160896	ENST00000623162	1592	NM_057157	CYP26A1
A_21_P0014915	4,93702	4,41094	1,440011167	N/A	N/A	N/A	N/A
A_33_P3253733	4,96093	4,43486	1,440001186	ENST00000419160	N/A	BX641696	N/A

A_33_P3250669	2,18017	1,65412	1,439981224	N/A	N/A	N/A	N/A
A_21_P0006141	1,99101	1,46502	1,439921338	N/A	N/A	N/A	Inc-HRCT1-2
A_33_P6663603	6,26103	5,73515	1,439811553	ENST00000490313	5558	N/A	PRIM2
A_22_P00008743	4,66923	4,14335	1,439811553	N/A	643749	NR_034110	TRAF3IP2-AS1
A_24_P38951	11,5886	11,0628	1,439731715	ENST00000393580	84957	NM_032871	RELT
A_24_P226008	12,9032	12,3774	1,439731715	ENST00000476682	11343	NM_007283	MGLL
A_24_P173823	12,884	12,3583	1,439631924	ENST00000540236	5087	NM_002585	PBX1
A_23_P141100	9,7481	9,22256	1,439472273	ENST00000566445	23536	NM_012091	ADAT1
A_33_P3225096	6,65343	6,12793	1,439432363	ENST00000567567	54893	NM_017762	MTMR10
A_33_P3273233	5,89281	5,36735	1,439392454	ENST00000538868	100129215	XR_109334	LOC100129215
A_23_P254498	12,7619	12,2365	1,439332592	ENST00000407006	29098	NM_016492	RANGRF
A_22_P00009735	6,06683	5,54146	1,439302663	ENST00000481247	114781	NM_052893	BTBD9
A_33_P3380063	9,87334	9,34802	1,439252781	ENST00000369041	54507	NM_025008	ADAMTSL4
A_32_P226186	4,42459	3,89929	1,439232829	ENST00000440172	57670	NM_001164665	KIAA1549
A_22_P00024593	8,39017	7,8649	1,439202901	ENST00000511256	101927953	NR_105049	C5orf66-AS1
A_23_P97573	9,5614	9,03614	1,439192925	ENST00000476970	9129	NM_004698	PRPF3
A_23_P96041	11,6271	11,1019	1,439133072	ENST00000372072	84187	NM_032227	TMEM164
A_21_P0008644	2,48866	1,96351	1,439083197	N/A	N/A	N/A	Inc-ZNF609-4
A_24_P98249	9,99335	9,46821	1,439073222	ENST00000317827	6867	NM_006283	TACC1
A_22_P00021521	2,24285	1,71772	1,439063247	ENST00000521101	N/A	N/A	N/A
A_33_P3209646	9,69523	9,17011	1,439053272	ENST00000298125	115825	NM_052950	WDFY2
A_33_P3356792	7,08647	6,5614	1,439003399	ENST00000470952	2686	NM_178026	GGT7
A_23_P1552	9,96907	9,44421	1,438793952	ENST00000227266	1075	NM_001814	CTSC
A_24_P397247	10,5206	9,99576	1,438774006	ENST00000356260	55153	NM_018115	SDAD1
A_22_P00018555	7,66679	7,14207	1,438654337	ENST00000316950	148266	NM_152484	ZNF569
A_22_P00018086	3,23612	2,71151	1,438544649	ENST00000508217	N/A	N/A	N/A
A_33_P3355232	11,2458	10,7212	1,438534678	ENST00000519276	134510	NM_145049	UBLCP1
A_22_P00021294	4,22993	3,70537	1,438494794	ENST00000568007	6477	BC044920	SIAH1
A_33_P3345299	1,98402	1,45946	1,438494794	N/A	N/A	N/A	N/A
A_21_P0003919	5,17176	4,6472	1,438494794	N/A	N/A	N/A	Inc-FRG2-5
A_23_P72387	8,13647	7,61195	1,438454911	ENST00000420658	60312	NM_001134647	AFAP1
A_22_P00016588	3,61892	3,09443	1,438425	N/A	N/A	AI990958	Inc-TNN-1
A_23_P122532	8,82951	8,30507	1,438375148	ENST00000366432	57827	NM_021184	C6orf47

A_21_P0009365	2,28454	1,76022	1,438255513	N/A	101928447	XR_243759	LOC101928447
A_33_P3358044	2,19916	1,6749	1,438195699	N/A	100128885	N/A	LOC100128885
A_19_P00805840	7,93532	7,41115	1,438105982	ENST00000452075	100129482	NR_026777	ZNF37BP
A_24_P345679	8,09747	7,57336	1,438046174	ENST00000619577	4291	NM_001195432	MLF1
A_22_P00013699	4,11989	3,5958	1,438026239	N/A	N/A	N/A	Inc-RP11-770G2.3.1-1
A_23_P58770	3,74749	3,22342	1,438006304	ENST00000231121	9421	NM_004821	HAND1
A_33_P3250028	10,7813	10,2573	1,437936533	ENST00000270530	115704	NM_145245	EVI5L
A_21_P0004557	2,50673	1,98283	1,437836866	N/A	N/A	N/A	Inc-SGTB-4
A_23_P258190	15,1111	14,5872	1,437836866	ENST00000465351	231	NM_001628	AKR1B1
A_22_P00003836	3,06199	2,53826	1,437667449	ENST00000563626	100996425	XR_158902	LOC100996425
A_23_P97810	6,92687	6,40315	1,437657483	ENST00000614063	N/A	AK295786	N/A
A_24_P273865	10,2298	9,70611	1,437627589	ENST00000467535	9477	NM_004275	MED20
A_33_P3529860	8,35773	7,83411	1,437557836	ENST00000536437	84678	NM_001005366	KDM2B
A_21_P0011716	3,73382	3,21026	1,437498051	N/A	N/A	N/A	XLOC_I2_006832
A_32_P191084	12,0472	11,5238	1,437338636	ENST00000301738	54442	NM_018992	KCTD5
A_23_P313542	3,02674	2,50336	1,437318711	ENST00000545304	6011	NM_002929	GRK1
A_33_P3546033	1,99423	1,47087	1,437298785	ENST00000421976	285043	BC033511	LOC285043
A_33_P3220565	8,42274	7,89953	1,437149354	ENST00000393792	92181	NM_152277	UBTD2
A_33_P3326105	2,66659	2,1434	1,437129431	N/A	54476	AK128551	RNF216
A_24_P197284	2,2425	1,71937	1,437069664	ENST00000617264	285093	NM_173821	RTP5
A_33_P3220410	2,11175	1,58864	1,437049742	N/A	N/A	BX107671	N/A
A_21_P0006678	2,35363	1,83054	1,43702982	ENST00000446107	N/A	N/A	N/A
A_22_P00009122	2,07878	1,55571	1,437009899	ENST00000567902	N/A	DB037643	N/A
A_23_P13442	3,0462	2,5233	1,436840579	ENST00000342902	9645	NM_014632	MICAL2
A_33_P3575529	2,34888	1,82609	1,436731029	N/A	26343	AF309699	OR5E1P
A_33_P3278103	2,11869	1,5961	1,43653187	N/A	101448202	NR_103451	LOC101448202
A_33_P3832857	9,25854	8,73596	1,436521913	ENST00000570178	55142	NM_018097	HAUS2
A_22_P00001788	4,07764	3,55508	1,436501999	N/A	N/A	AK096356	Inc-ATP4B-1
A_23_P105276	10,2522	9,72966	1,436482085	ENST00000543758	7637	NM_003428	ZNF84
A_33_P3383871	7,87962	7,3572	1,436362606	ENST00000274457	56929	NM_020177	FEM1C
A_23_P35293	11,5945	11,0721	1,436342694	ENST00000338513	2709	NM_005268	GJB5
A_21_P0008636	1,94366	1,42131	1,436292915	N/A	N/A	N/A	Inc-TCF12-1
A_23_P336513	9,54184	9,01956	1,436223228	ENST00000285873	25929	NM_015465	GEMIN5

A_23_P162199	10,1183	9,59614	1,436103771	ENST00000354947	79837	NM_024779	PIP4K2C
A_21_P0011852	2,8579	2,336	1,435844982	N/A	N/A	N/A	XLOC_I2_007566
A_23_P122937	1,94711	1,42526	1,43579522	ENST00000396040	9844	NM_014800	ELMO1
A_33_P3255716	6,9852	6,46343	1,435715605	ENST00000401641	285095	XR_430644	LOC285095
A_21_P0005095	1,95051	1,42879	1,435665848	N/A	102724475	N/A	LOC102724475
A_22_P00014477	8,21814	7,69647	1,435616092	N/A	N/A	BC023010	Inc-SHARPIN-2
A_21_P0012175	2,01269	1,49107	1,435566338	N/A	N/A	N/A	XLOC_I2_009050
A_23_P162127	12,8036	12,282	1,435546437	ENST00000260054	60492	NM_021825	CCDC90B
A_23_P259707	2,27775	1,75616	1,435536487	ENST00000395056	54886	NM_207299	LPPR1
A_22_P00016235	10,1488	9,62734	1,435407138	ENST00000471023	26792	NR_002738	SNORD57
A_21_P0001561	3,54267	3,02128	1,435337493	N/A	N/A	N/A	Inc-OLFM3-1
A_23_P64567	8,48398	7,96265	1,4352778	ENST00000617237	51400	NM_016147	PPME1
A_23_P156319	14,4345	13,9132	1,435247955	ENST00000336314	23367	NM_015315	LARP1
A_33_P3256232	12,7721	12,2508	1,435247955	N/A	60672	NM_021933	MIIP
A_32_P72394	7,29744	6,77619	1,435198214	ENST00000456696	5575	NM_002735	PRKAR1B
A_23_P63798	11,05	10,5288	1,435148475	ENST00000173785	1316	NM_001300	KLF6
A_32_P76035	7,7552	7,23419	1,434959481	ENST00000260604	87178	NM_033109	PNPT1
A_33_P3227284	13,0966	12,5756	1,434949535	ENST00000373719	8473	NM_181672	OGT
A_33_P3382125	5,79898	5,27806	1,434869966	ENST00000592909	N/A	N/A	N/A
A_21_P0012502	2,1137	1,59281	1,434840129	ENST00000474979	N/A	N/A	N/A
A_23_P133227	11,6017	11,0809	1,434750622	ENST00000504156	3035	NM_002109	HARS
A_21_P0011218	3,45387	2,93317	1,434651176	N/A	400110	N/A	ANKRD20A19P
A_33_P3386429	5,24642	4,72572	1,434651176	ENST00000447266	26054	NM_015571	SENP6
A_23_P258071	12,3065	11,7858	1,434651176	ENST00000371442	7737	NM_006978	RNF113A
A_33_P3418576	4,90596	4,3854	1,434511964	ENST00000367101	84947	NR_073096	SERAC1
A_23_P50217	2,33176	1,81134	1,434372764	ENST00000335820	79891	NM_024833	ZNF671
A_33_P3311637	13,0279	12,5075	1,43435288	ENST00000556486	23256	NM_016106	SCFD1
A_21_P0005568	7,93709	7,41669	1,43435288	N/A	N/A	N/A	Inc-AC004980.12.1-1
A_23_P309198	4,28193	3,76163	1,434253462	ENST00000397841	84536	NR_027128	LINC01547
A_22_P00002928	1,96436	1,44412	1,434193814	ENST00000523745	N/A	N/A	N/A
A_24_P920521	5,54851	5,02827	1,434193814	ENST00000377615	170622	NM_203497	COMMD6
A_32_P12327	5,9432	5,42297	1,434183873	ENST00000503051	643783	NR_125363	USP46-AS1
A_22_P00000952	8,06565	7,54568	1,43392543	ENST00000553344	N/A	AY094612	N/A



A_23_P143817	5,11499	4,59507	1,433875735	ENST00000475616	4638	NM_053025	MYLK
A_33_P3345132	6,08972	5,56982	1,433855857	N/A	147660	NM_001099694	ZNF578
A_24_P884376	9,33686	8,81697	1,433845919	ENST00000609439	N/A	N/A	N/A
A_22_P00012676	4,63477	4,115	1,43372666	ENST00000433893	101929542	XR_244985	LOC101929542
A_22_P00014155	6,51337	5,99374	1,433587537	ENST00000567167	N/A	N/A	N/A
A_21_P0009348	2,4926	1,97297	1,433587537	N/A	N/A	N/A	Inc-HELZ-1
A_32_P4364	15,8609	15,3414	1,433458363	ENST00000458587	10134	NM_005745	BCAP31
A_32_P116206	11,0437	10,5242	1,433458363	N/A	768211	NM_001085400	RELL1
A_22_P00014280	3,81659	3,2971	1,433448427	N/A	N/A	N/A	Inc-SEPT11-1
A_23_P131215	2,29731	1,77787	1,433398748	ENST00000264376	1421	NM_006891	CRYGD
A_19_P00317178	13,0906	12,5712	1,433359007	ENST00000625175	387066	NR_003038	SNHG5
A_33_P3251672	4,11484	3,59544	1,433359007	ENST00000398207	20	NM_001606	ABCA2
A_21_P0003079	2,26205	1,74266	1,433349072	N/A	N/A	N/A	Inc-PYDC2-1
A_33_P3307660	9,39434	8,87499	1,433309331	ENST00000347925	54758	NM_001184854	KLHDC4
A_22_P00000597	2,66564	2,14629	1,433309331	N/A	N/A	N/A	Inc-ACBD6-2
A_23_P353005	10,1142	9,59501	1,433150381	ENST00000359704	154214	NM_152553	RNF217
A_33_P3292829	7,97569	7,45663	1,433021247	ENST00000550251	55681	NM_017988	SCYL2
A_21_P0005320	7,51862	6,99956	1,433021247	N/A	N/A	N/A	Inc-EPHB4-1
A_22_P00024879	4,27976	3,76076	1,43296165	ENST00000511182	N/A	N/A	N/A
A_32_P129752	12,7523	12,2334	1,432862328	ENST00000555868	161291	NM_001017970	TMEM30B
A_33_P3412353	11,3215	10,8026	1,432862328	ENST00000541009	10795	NM_152943	ZNF268
A_23_P407565	2,01736	1,49847	1,432852397	ENST00000541347	1524	NM_001337	CX3CR1
A_33_P3260062	2,9866	2,46773	1,432832533	ENST00000262971	51588	AK022481	PIAS4
A_23_P327156	5,37543	4,85657	1,432822602	N/A	645431	NR_024334	FUT8-AS1
A_21_P0001988	2,83001	2,31119	1,432782876	ENST00000433724	N/A	N/A	N/A
A_33_P3576797	8,58224	8,06351	1,432693497	N/A	158863	AL110203	LOC158863
A_22_P00022017	4,32334	3,80474	1,432564404	N/A	100506801	NR_038404	LOC100506801
A_19_P00315647	2,36007	1,84149	1,432544545	N/A	100507165	N/A	LOC100507165
A_22_P00002969	2,29143	1,77288	1,432514756	N/A	N/A	N/A	Inc-C6orf108-1
A_24_P175460	8,47425	7,95572	1,432494897	ENST00000389532	157922	NM_015447	CAMSAP1
A_22_P00018629	2,08709	1,56862	1,432435323	N/A	N/A	N/A	Inc-CROCC-2
A_33_P3330716	10,1197	9,60132	1,432345966	ENST00000403263	54891	NM_017759	INO80D
A_33_P3391656	10,4897	9,97135	1,432316181	ENST00000372114	112858	NM_033550	TP53RK

A_21_P0013439	5,94958	5,43136	1,432187122	ENST00000412091	N/A	N/A	N/A
A_33_P3333820	10,7923	10,2741	1,432167268	ENST00000263228	54926	NM_017811	UBE2R2
A_33_P3227345	9,96986	9,4517	1,43212756	ENST00000612074	2280	NM_054014	FKBP1A
A_22_P00012040	3,93446	3,41631	1,432117634	N/A	N/A	AW265493	Inc-PLEKHB1-1
A_33_P3375314	8,89807	8,38017	1,431869488	ENST00000338821	10079	NM_006045	ATP9A
A_33_P3369336	5,2255	4,70762	1,431849638	ENST00000375497	2641	NM_002054	GCG
A_33_P3229107	17,925	17,4072	1,431770242	ENST00000429156	642587	NM_001104548	MIR205HG
A_22_P00002232	2,61292	2,09516	1,431730545	N/A	101930421	XR_247467	LOC101930421
A_21_P0006460	4,31793	3,80037	1,431532079	ENST00000455986	N/A	N/A	N/A
A_19_P00321540	4,42163	3,90409	1,431512234	N/A	N/A	N/A	Inc-MAGEA8-2
A_33_P3339103	12,2372	11,7197	1,431472545	ENST00000372389	9533	NM_203290	POLR1C
A_21_P0008185	1,9496	1,43215	1,431422934	N/A	N/A	N/A	Inc-RNF219-2
A_23_P22682	4,32236	3,80492	1,431413013	ENST00000616751	51309	NM_016608	ARMCX1
A_23_P325631	7,96416	7,4469	1,431234431	ENST00000378536	6497	NM_003036	SKI
A_23_P165130	11,3465	10,8293	1,431174909	ENST00000532896	84769	NM_032683	MPV17L2
A_33_P3389178	9,83885	9,32171	1,43111539	ENST00000395358	10411	U78169	RAPGEF3
A_19_P00812135	2,96316	2,44608	1,431055872	ENST00000417705	100130417	NR_026874	LOC100130417
A_21_P0013802	8,3164	7,79934	1,431036034	ENST00000334398	55217	N/A	TMLHE
A_33_P3213086	7,52333	7,00633	1,43097652	ENST00000577614	N/A	N/A	N/A
A_22_P00002203	3,34096	2,82397	1,430966601	N/A	N/A	N/A	Inc-BTN1A1-1
A_33_P3364989	10,3803	9,86339	1,430887254	N/A	170487	NM_001024675	ACTL10
A_33_P3427102	13,8736	13,3567	1,430877336	ENST00000460450	150465	NM_153712	TTL
A_21_P0010775	10,3498	9,83292	1,4308575	ENST00000621564	79668	NM_001178056	PARP8
A_21_P0008257	2,40158	1,88471	1,430847582	N/A	N/A	N/A	Inc-DIAPH3-3
A_22_P00022010	6,03881	5,52202	1,430768241	ENST00000293829	2256	AK122636	FGF11
A_33_P3343485	7,53972	7,02299	1,430708738	ENST00000479835	3092	AY358103	HIP1
A_24_P200694	11,0064	10,4897	1,430678988	ENST00000374656	6015	NM_002931	RING1
A_33_P3359268	15,3549	14,8383	1,430579824	ENST00000619543	10362	NM_006339	HMG20B
A_33_P3395369	10,5203	10,0038	1,430480667	ENST00000619590	262	NM_001634	AMD1
A_32_P114726	1,99189	1,47542	1,430450922	ENST00000544251	101927637	NR_120451	LOC101927637
A_23_P205913	7,05077	6,53441	1,430341859	ENST00000261892	9187	NM_004727	SLC24A1
A_33_P3507562	3,06538	2,54907	1,430292288	N/A	23642	BM548627	SNHG1
A_33_P3292812	9,24972	8,73343	1,43027246	ENST00000556663	55668	NM_017972	GPATCH2L

A_23_P406385	10,6498	10,1336	1,430183238	ENST00000324361	146330	NM_153350	FBXL16
A_33_P3415923	8,44562	7,92943	1,430173325	ENST00000352151	91010	NM_175736	FMNL3
A_22_P00015986	5,97033	5,45419	1,43012376	ENST00000506148	N/A	N/A	N/A
A_32_P190303	1,94937	1,43324	1,430113847	ENST00000393437	164832	NM_198461	LONRF2
A_23_P748	12,29	11,7739	1,430084109	ENST00000367021	3664	NM_006147	IRF6
A_33_P3352449	10,0643	9,54825	1,430034547	ENST00000504731	54516	NM_019041	MTRF1L
A_33_P3789056	6,64163	6,12559	1,430024635	N/A	644997	NR_027045	PIK3CD-AS1
A_32_P87531	8,99814	8,48214	1,429984986	ENST00000453375	127602	NM_001145154	DNAH14
A_19_P00317451	3,79611	3,28015	1,429945339	ENST00000429829	7503	NR_001564	XIST
A_21_P0000545	1,94593	1,42997	1,429945339	ENST00000305754	26343	NR_027711	OR5E1P
A_24_P280029	7,93232	7,41637	1,429935428	ENST00000451997	57026	NM_020315	PDXP
A_24_P912372	7,55913	7,0432	1,429915605	ENST00000530275	643314	NM_015038	KIAA0754
A_21_P0001538	4,04638	3,53047	1,429895782	N/A	N/A	N/A	Inc-GBP5-2
A_23_P126757	8,94501	8,42915	1,429846226	ENST00000481797	65123	NM_023015	INTS3
A_23_P253074	2,13775	1,62192	1,429816494	ENST00000519884	55124	NM_018068	PIWIL2
A_21_P0013365	2,02958	1,51381	1,429757031	ENST00000422825	401303	N/A	ZNF815P
A_22_P00011306	2,71462	2,19886	1,429747121	ENST00000581648	N/A	N/A	N/A
A_24_P65060	1,96564	1,44994	1,42968766	ENST00000329713	84206	NM_032246	MEX3B
A_21_P0012406	2,30909	1,79339	1,42968766	N/A	N/A	N/A	XLOC_I2_009929
A_23_P144627	8,41087	7,8952	1,429657931	ENST00000341948	56123	NM_018933	PCDHB13
A_21_P0006915	4,63696	4,12134	1,429608384	N/A	N/A	N/A	Inc-TCF7L2-1
A_23_P65918	10,7939	10,2783	1,429588565	ENST00000260386	3706	NM_002220	ITPKA
A_21_P0006684	3,25182	2,73623	1,429578656	ENST00000603033	N/A	N/A	N/A
A_21_P0001671	3,46165	2,94608	1,429558838	N/A	N/A	N/A	Inc-HPCA-1
A_33_P3210521	8,36229	7,84675	1,429529112	ENST00000435420	60526	NM_021925	C2orf43
A_33_P3255075	1,98569	1,4703	1,429380488	ENST00000272879	843	NM_032974	CASP10
A_22_P00013475	2,09266	1,57728	1,429370581	ENST00000576842	N/A	N/A	N/A
A_33_P3316073	5,76263	5,24728	1,429340858	ENST00000398119	26512	NM_012141	INTS6
A_22_P00023212	1,97792	1,46261	1,429301229	ENST00000418690	N/A	N/A	N/A
A_23_P148463	10,7044	10,1891	1,429291322	ENST00000371322	8450	NM_003588	CUL4B
A_24_P213206	8,51042	7,99519	1,429221974	ENST00000407656	N/A	CR627448	N/A
A_33_P3827035	4,43272	3,91757	1,429142723	ENST00000335478	348840	NR_003291	ANKRD18DP
A_33_P3318490	3,26503	2,75003	1,42899414	N/A	23024	BC014432	PDZRN3

A_23_P118158	3,52869	3,01371	1,42897433	ENST00000473392	9956	NM_006043	HS3ST2
A_21_P0009850	3,17483	2,65988	1,428944615	N/A	N/A	N/A	Inc-CEBPB-3
A_24_P87746	2,09056	1,57582	1,428736632	ENST00000615390	3809	NM_012314	KIR2DS4
A_23_P96590	6,2207	5,70602	1,428677214	ENST00000537097	9737	NM_014710	GPRASP1
A_21_P0014827	2,14784	1,63321	1,428627701	ENST00000598007	100287166	XR_132674	LOC100287166
A_23_P154688	12,728	12,2134	1,428597993	ENST00000474451	83959	NM_032034	SLC4A11
A_33_P3843285	3,35156	2,83697	1,428588091	N/A	151877	XR_110023	MAGI1-IT1
A_33_P3267607	6,86662	6,35207	1,428548483	N/A	729870	XR_244739	LOC729870
A_23_P171237	8,81149	8,29699	1,428498974	ENST00000373695	93953	NM_052957	ACRC
A_21_P0008678	4,52554	4,01112	1,428419763	ENST00000556519	N/A	N/A	N/A
A_21_P0001214	2,37596	1,86154	1,428419763	ENST00000449188	647219	N/A	ASCL5
A_23_P419764	4,62079	4,10639	1,428399961	ENST00000324309	91050	AL834257	CCDC149
A_33_P3217198	2,02075	1,50641	1,428340557	ENST00000447175	54075	NR_024354	CHODL-AS1
A_23_P2397	5,71094	5,19661	1,428330657	ENST00000336061	283349	NM_178169	RASSF3
A_22_P00009238	7,61528	7,10112	1,428162359	N/A	N/A	BC030759	Inc-LRIG2-3
A_21_P0007377	2,05783	1,54367	1,428162359	N/A	N/A	N/A	Inc-ODZ4-2
A_23_P102925	11,1687	10,6546	1,428102965	ENST00000291576	5822	NM_005049	PWP2
A_33_P3332130	13,9557	13,4417	1,42800398	ENST00000535419	10857	NM_001282621	PGRMC1
A_33_P3564409	4,09709	3,58311	1,427984183	ENST00000481096	N/A	AK094541	N/A
A_22_P00003453	1,96338	1,44955	1,427835721	N/A	N/A	N/A	Inc-CCDC57-1
A_22_P00006658	3,93592	3,42219	1,427736754	ENST00000562064	102724344	XR_429789	LOC102724344
A_22_P00001457	2,0175	1,5038	1,427707065	ENST00000424177	N/A	N/A	N/A
A_24_P267293	6,38408	5,87041	1,427677377	ENST00000585482	23098	NM_015077	SARM1
A_22_P00016664	4,1342	3,62058	1,427627899	N/A	N/A	AK124882	Inc-TPCN2-5
A_23_P43071	11,5013	10,9878	1,427509157	ENST00000287025	51001	NM_015942	MTERF3
A_22_P00010639	2,56552	2,05202	1,427509157	ENST00000549896	N/A	N/A	N/A
A_33_P3403356	10,4705	9,957	1,427509157	N/A	N/A	N/A	N/A
A_33_P3345534	16,2671	15,7536	1,427509157	ENST00000476662	3861	NM_000526	KRT14
A_23_P150903	7,49937	6,98594	1,427439895	ENST00000182377	55711	NM_018099	FAR2
A_33_P3366127	2,11114	1,59774	1,427410213	ENST00000341750	729974	NM_001277397	RFPL4AL1
A_33_P3310533	11,2013	10,6879	1,427410213	ENST00000514237	134218	NM_001012339	DNAJC21
A_23_P376096	7,30999	6,79662	1,427380531	ENST00000621756	148022	NM_182919	TICAM1
A_19_P00322673	2,39232	1,87896	1,427370637	ENST00000430548	N/A	N/A	N/A

A_22_P00007978	8,73758	8,22423	1,427360744	ENST00000441880	3423	NM_000202	IDS
A_22_P00005250	2,95275	2,43948	1,427281596	N/A	285987	NR_015448	DLX6-AS1
A_33_P3316078	7,37126	6,85799	1,427281596	ENST00000442263	26512	NM_001039938	INTS6
A_33_P3273580	5,1834	4,67015	1,42726181	N/A	N/A	AF289570	N/A
A_22_P00025345	2,20289	1,68964	1,42726181	ENST00000437768	101929083	N/A	CASC6
A_24_P701776	9,30114	8,78797	1,427182668	ENST00000378115	445328	NM_001003702	ARHGEF35
A_22_P00017349	5,87566	5,36249	1,427182668	N/A	N/A	N/A	Inc-USP8-1
A_32_P180210	7,30085	6,78777	1,427093638	ENST00000497389	54537	NM_019054	FAM35A
A_22_P00002943	2,61181	2,09874	1,427083747	N/A	N/A	N/A	Inc-C5orf42-3
A_22_P00005538	1,97134	1,45827	1,427083747	N/A	N/A	N/A	Inc-EDAR-6
A_33_P3327617	1,94822	1,43518	1,427054072	ENST00000485778	2213	NM_001002274	FCGR2B
A_22_P00016609	5,88748	5,37448	1,427014506	N/A	N/A	N/A	Inc-TOLLIP-1
A_33_P3251796	8,64528	8,13235	1,426945268	ENST00000491711	23590	NM_014317	PDSS1
A_22_P00012701	5,09372	4,58081	1,426925487	N/A	N/A	N/A	Inc-RAB1A-4
A_23_P69791	9,51851	9,0057	1,426826583	ENST00000309703	55435	NM_018569	AP1AR
A_32_P120604	7,43524	6,92248	1,426777134	N/A	92017	BC029857	SNX29
A_23_P415015	5,46557	4,95284	1,426747465	ENST00000419554	64225	NM_022374	ATL2
A_22_P00015288	10,9493	10,4366	1,426717797	N/A	N/A	XM_001714032	Inc-SPATC1-1
A_33_P3250128	7,06552	6,55289	1,426648574	ENST00000381410	112574	NM_052870	SNX18
A_24_P241318	10,0223	9,50969	1,426628797	ENST00000394234	26094	NM_181340	DCAF4
A_33_P3294149	2,08469	1,5721	1,42660902	ENST00000467611	50632	N/A	CALY
A_23_P392076	6,32226	5,80971	1,426569466	ENST00000555358	29966	NM_014574	STRN3
A_22_P00019127	2,17652	1,66403	1,426510138	ENST00000505702	N/A	N/A	N/A
A_23_P10858	10,1505	9,63803	1,426490363	ENST00000539605	23141	NM_015114	ANKLE2
A_24_P922357	7,91253	7,40008	1,426470587	ENST00000611555	128977	NM_173793	C22orf39
A_33_P3372212	2,54151	2,02913	1,426401376	N/A	653492	L14723	PSG10P
A_23_P63816	8,90541	8,39307	1,426361829	ENST00000611479	29982	NM_030759	NRBF2
A_32_P379379	2,77483	2,2625	1,426351942	ENST00000466157	285973	NM_173681	ATG9B
A_24_P77681	12,5301	12,0178	1,426322282	ENST00000447794	10605	NM_006451	PAIP1
A_23_P386561	10,1287	9,61641	1,426312395	ENST00000222567	221830	NM_001002926	TWISTNB
A_22_P00018564	8,06838	7,5561	1,426302509	ENST00000500929	101928725	XR_243159	LOC101928725
A_21_P0004502	2,38174	1,86949	1,42627285	N/A	N/A	N/A	Inc-FBXO4-1
A_24_P305467	9,84405	9,3318	1,42627285	ENST00000358713	54815	NM_017660	GATAD2A

A_21_P0008276	3,35479	2,84254	1,42627285	N/A	101927702	XR_245766	LOC101927702
A_33_P3263664	5,36568	4,85354	1,426164106	ENST00000334897	337967	NM_181604	KRTAP6-2
A_23_P414842	2,01911	1,50708	1,426055371	ENST00000260988	1419	NM_005210	CRYGB
A_33_P3294868	6,55217	6,04022	1,425976296	ENST00000417443	399668	N/A	LINC00086
A_33_P3281139	8,15956	7,64762	1,425966412	ENST00000242848	23091	XM_005266303	ZC3H13
A_23_P86751	2,04762	1,53574	1,425907109	ENST00000381310	105	NM_018702	ADARB2
A_22_P00013872	4,30949	3,79765	1,425867575	ENST00000451677	10557	N/A	RPP38
A_33_P3390778	5,53853	5,02676	1,425798393	ENST00000368382	80128	NM_001256599	TRIM46
A_24_P263786	2,05024	1,53854	1,425729214	ENST00000474213	N/A	BC022362	N/A
A_23_P395524	13,2846	12,7729	1,425729214	ENST00000412830	11137	NM_007062	PWP1
A_23_P318300	10,0999	9,58837	1,425561224	ENST00000338983	51776	NM_133646	ZAK
A_22_P00012499	6,1913	5,67982	1,425511818	N/A	654433	NR_015377	PAX8-AS1
A_23_P204417	10,5391	10,0277	1,425432773	ENST00000534935	55846	NM_018463	ITFG2
A_21_P0001750	2,01765	1,50626	1,425422893	N/A	N/A	N/A	Inc-UCHL5-1
A_21_P0005031	4,65431	4,14306	1,425284576	N/A	N/A	N/A	Inc-KHDRBS2-1
A_33_P3439765	12,1293	11,6181	1,42523518	ENST00000251038	79882	NM_024824	ZC3H14
A_23_P137484	2,18992	1,67879	1,425166029	ENST00000498273	54596	NM_019079	L1TD1
A_23_P10025	7,78929	7,27819	1,425136394	ENST00000437801	4753	NM_006159	NELL2
A_32_P402924	3,02787	2,51681	1,425096881	N/A	400794	NR_026744	LOC400794
A_22_P00020615	1,97676	1,46571	1,425087003	N/A	N/A	DB021274	Inc-RP11-234B24.6.1-1
A_24_P942730	9,9432	9,43222	1,425017859	ENST00000396976	146050	NM_152455	ZSCAN29
A_21_P0002191	2,48607	1,97515	1,424958595	ENST00000421976	285043	NR_122048	LOC285043
A_23_P88865	12,9561	12,4453	1,424840076	ENST00000566756	123920	NM_144601	CMTM3
A_24_P163920	7,55092	7,04018	1,424780819	ENST00000524933	84188	NM_032228	FAR1
A_22_P00016500	6,49168	5,98104	1,424682065	N/A	N/A	AJ617629	Inc-TMPRSS11E-1
A_23_P218807	9,32517	8,81457	1,424642565	ENST00000352645	23264	NM_017590	ZC3H7B
A_21_P0010698	2,41044	1,89987	1,42461294	ENST00000447201	101928303	N/A	LOC101928303
A_33_P3220919	5,55666	5,0461	1,424603066	ENST00000324198	157	NM_005160	ADRBK2
A_33_P3268338	10,5748	10,0643	1,424543819	ENST00000354488	65992	NM_023935	DDRGK1
A_22_P00021069	2,04502	1,53469	1,424375968	N/A	N/A	N/A	Inc-RIMS3-3
A_33_P3262167	4,04571	3,53549	1,424267369	N/A	N/A	N/A	N/A
A_24_P512054	4,68627	4,17612	1,424198265	ENST00000503155	79009	NM_024045	DDX50
A_23_P8139	6,82642	6,31628	1,424188393	ENST00000339411	7629	NM_003427	ZNF76

A_22_P00013954	2,79029	2,28018	1,424158778	N/A	N/A	N/A	Inc-RTDR1-1
A_33_P3254634	8,28754	7,77743	1,424158778	ENST00000495004	10954	NM_006810	PDIA5
A_33_P3409238	4,54869	4,03859	1,424148907	ENST00000609107	401286	NR_117091	LOC401286
A_32_P113508	10,326	9,81592	1,424129164	ENST00000474148	55054	NM_030803	ATG16L1
A_21_P0008560	1,98708	1,47727	1,423862663	ENST00000558411	N/A	N/A	N/A
A_33_P3211404	5,52557	5,01593	1,423694892	N/A	80028	XM_005249853	FBXL18
A_21_P0000547	4,49831	3,9887	1,423665288	N/A	23043	NR_027767	TNIK
A_24_P122732	9,89405	9,38452	1,423586345	ENST00000468057	254428	NM_173854	SLC41A1
A_33_P3361393	13,0019	12,4924	1,423556743	ENST00000379593	1964	NM_001412	EIF1AX
A_21_P0004345	4,83785	4,32841	1,42349754	N/A	N/A	N/A	Inc-CNOT6-1
A_22_P00006178	4,02307	3,51377	1,42335941	ENST00000492208	100507642	NR_108064	LOC100507642
A_22_P00016689	2,37197	1,8627	1,423329812	N/A	N/A	BF850035	Inc-TPSG1-1
A_23_P326204	7,84283	7,33358	1,423310081	ENST00000394686	166929	NM_152621	SGMS2
A_23_P346421	8,00143	7,49224	1,423250888	ENST00000591230	55205	NM_018181	ZNF532
A_23_P413641	5,75192	5,24276	1,423221293	ENST00000371941	57580	NM_020820	PREX1
A_22_P00018349	7,9838	7,47482	1,423043734	ENST00000570843	N/A	N/A	N/A
A_33_P3224362	2,40432	1,89538	1,423004279	ENST00000468429	54039	NM_020528	PCBP3
A_23_P93046	10,0139	9,50497	1,422994415	ENST00000511015	11336	NM_007277	EXOC3
A_23_P164826	12,8912	12,3823	1,422964825	ENST00000221486	10535	NM_006397	RNASEH2A
A_33_P3422133	12,2765	11,7677	1,422866196	ENST00000495809	11033	NM_006869	ADAP1
A_32_P479743	2,31027	1,80159	1,422747851	ENST00000560853	414926	NR_026764	LINC00593
A_33_P3351991	4,65038	4,14174	1,422708404	N/A	N/A	AK127505	N/A
A_33_P3352970	11,3308	10,8223	1,42257035	ENST00000256458	3656	NM_001570	IRAK2
A_24_P709377	10,4369	9,92854	1,42243231	N/A	654433	NR_015377	PAX8-AS1
A_33_P3354723	2,51161	2,00341	1,422274566	ENST00000368005	9191	XM_005245598	DEDD
A_22_P00012845	1,94551	1,43731	1,422274566	N/A	101929423	NR_109940	MEF2C-AS1
A_22_P00021809	5,87631	5,36815	1,422235133	ENST00000567167	N/A	N/A	N/A
A_32_P78295	3,13057	2,62242	1,422225275	ENST00000373673	220202	NM_145178	ATOH7
A_24_P97197	9,40728	8,89918	1,422175985	ENST00000491064	58190	NM_182642	CTDSP1
A_23_P63897	15,4651	14,957	1,422175985	ENST00000337195	1488	NM_022802	CTBP2
A_33_P3269278	8,27692	7,76892	1,422077411	ENST00000618437	92283	NM_153257	ZNF461
A_24_P310630	9,92726	9,4193	1,422037983	ENST00000619445	65109	NM_080632	UPF3B
A_23_P133596	13,8073	13,2994	1,421978843	ENST00000514927	29102	NM_013235	DROSHA

A_21_P0003013	1,95267	1,44479	1,42195913	N/A	N/A	N/A	Inc-C3orf30-6
A_23_P2114	11,9505	11,4427	1,421880282	ENST00000535872	55004	NM_017907	LAMTOR1
A_23_P393713	8,64098	8,13319	1,421870427	ENST00000255078	3508	NM_002180	IGHMBP2
A_22_P00017997	7,45265	6,94487	1,421860571	N/A	N/A	N/A	Inc-ZNF131-3
A_22_P00014969	3,6324	3,12464	1,42184086	ENST00000505000	101927636	NR_125886	LOC101927636
A_22_P00014165	4,79384	4,2861	1,421821149	ENST00000417038	N/A	BQ082343	N/A
A_22_P00015976	6,05697	5,54926	1,421791584	N/A	N/A	N/A	Inc-TENC1-1
A_22_P00006624	3,60327	3,09559	1,421762019	N/A	100996876	NR_120318	RORA-AS2
A_22_P00004071	2,44143	1,93376	1,421752164	N/A	N/A	N/A	Inc-CHURC1-FNTB-1
A_21_P0005485	2,9593	2,45165	1,421732454	N/A	101928077	XR_428118	LOC101928077
A_23_P369479	7,88983	7,38219	1,42172226	ENST00000322684	124540	NM_170721	MSI2
A_22_P00020980	6,92657	6,41895	1,421702891	N/A	N/A	DB046182	Inc-C7orf45-1
A_21_P0000591	9,43481	8,9272	1,421693036	N/A	100337591	NR_033309	SNORA70F
A_23_P434890	14,0349	13,5274	1,421584642	ENST00000251973	29775	NM_014550	CARD10
A_21_P0008772	3,6502	3,1428	1,421486108	ENST00000570008	101929701	NR_120368	LINC01584
A_23_P9603	12,2244	11,717	1,421486108	ENST00000338368	5591	NM_006904	PRKDC
A_33_P3243558	4,96287	4,45555	1,421407286	ENST00000445101	643596	NM_001190228	RNF224
A_33_P3326733	10,6981	10,1908	1,421387582	ENST00000471055	729668	NR_120609	GOLGA2P6
A_33_P3343812	6,26958	5,76228	1,421387582	ENST00000304720	392390	NM_001004453	OR1L6
A_33_P3332724	5,08321	4,57606	1,421239805	ENST00000423048	7840	NM_015120	ALMS1
A_23_P10497	9,17448	8,66735	1,421220102	ENST00000458297	374868	NM_198531	ATP9B
A_21_P0001177	6,70683	6,19987	1,421052643	N/A	N/A	N/A	Inc-FAM72C-2
A_33_P3436935	5,68744	5,18049	1,421042793	ENST00000423737	284930	NR_122046	LOC284930
A_33_P3301316	4,95978	4,45297	1,420904901	ENST00000497028	93550	NM_001282905	ZFAND4
A_19_P00319981	12,7305	12,2238	1,420796566	ENST00000436710	100506119	NR_120685	LINC01503
A_23_P101093	9,20631	8,69962	1,420786718	ENST00000612370	51226	NM_016429	COPZ2
A_33_P3281532	6,93128	6,42461	1,420767022	ENST00000592457	64795	NM_022780	RMND5A
A_33_P3352268	3,12919	2,62261	1,420678392	N/A	N/A	N/A	N/A
A_23_P377339	6,37459	5,86806	1,420629156	ENST00000504371	132989	NM_144645	C4orf36
A_33_P3293474	6,45227	5,94581	1,420560229	ENST00000366554	23596	NM_014322	OPN3
A_23_P429491	9,82977	9,32332	1,420550382	ENST00000329143	220042	NM_145018	DDIAS
A_24_P83922	3,96394	3,4575	1,420540536	ENST00000504370	6631	NM_003093	SNRPC
A_21_P0014461	2,11883	1,61256	1,420373156	N/A	102724155	XR_425404	LOC102724155



A_33_P3276845	2,221	1,71479	1,420314086	ENST00000503184	N/A	N/A	N/A
A_33_P3370763	2,72521	2,21907	1,420245173	ENST00000379061	23098	NM_015077	SARM1
A_22_P00011316	8,92817	8,4221	1,420176264	ENST00000566667	N/A	N/A	N/A
A_24_P299996	7,47839	6,97232	1,420176264	ENST00000325599	55164	NM_018130	SHQ1
A_22_P00003228	2,07891	1,57288	1,420136889	ENST00000567624	N/A	N/A	N/A
A_24_P26177	7,08468	6,57873	1,420058142	ENST00000335891	9730	NM_014703	VPRBP
A_23_P64232	12,3409	11,835	1,420008928	ENST00000227322	8882	NM_003904	ZPR1
A_23_P94921	12,6449	12,139	1,420008928	ENST00000342228	6575	NM_006749	SLC20A2
A_22_P00012392	5,87723	5,37143	1,419910504	N/A	N/A	BG196351	Inc-PRKACG-3
A_33_P3299130	4,76365	4,25794	1,419821928	N/A	N/A	N/A	N/A
A_22_P00016203	4,30653	3,80086	1,419782562	N/A	399806	NR_029380	LBX1-AS1
A_33_P3400688	2,89765	2,39199	1,419772721	ENST00000341459	283652	NM_205850	SLC24A5
A_33_P3338121	15,5765	15,0709	1,419713676	ENST00000367030	3914	NM_001017402	LAMB3
A_21_P0005950	5,87346	5,36794	1,419634952	N/A	N/A	N/A	Inc-MYC-2
A_33_P3336514	8,34389	7,83845	1,419556233	ENST00000552123	N/A	XM_006726616	N/A
A_21_P0001938	1,99626	1,49083	1,419546394	ENST00000436820	285084	NR_038897	LINC01305
A_23_P214798	12,3934	11,888	1,419516875	ENST00000369622	10492	NM_006372	SYNCRIP
A_23_P115167	9,42689	8,9215	1,419507036	ENST00000439853	23507	NM_015350	LRRC8B
A_22_P00008004	6,05437	5,54899	1,419497197	N/A	554202	NR_027054	MIR31HG
A_23_P214139	9,83615	9,33085	1,419418485	ENST00000435970	5980	NM_002912	REV3L
A_33_P3341586	8,91763	8,41239	1,419359455	ENST00000394817	64374	NM_001037633	SIL1
A_21_P0008510	4,37321	3,86808	1,419251238	N/A	N/A	N/A	Inc-CTAGE5-1
A_22_P00017095	2,39357	1,88848	1,419211888	N/A	N/A	N/A	Inc-TYMS-2
A_21_P0007967	2,08655	1,58147	1,419202051	ENST00000411690	104355146	N/A	LINC00396
A_22_P00016024	5,71472	5,20964	1,419202051	ENST00000424151	10282	XM_005250109	BET1
A_33_P3269233	5,51636	5,01141	1,419074174	ENST00000592972	N/A	N/A	N/A
A_22_P00001018	3,90856	3,40371	1,418975815	N/A	100128292	NR_024585	DLG5-AS1
A_22_P00015666	1,88834	1,3835	1,418965979	N/A	N/A	DA090768	Inc-SYCE1L-2
A_23_P141917	8,44011	7,93532	1,418916802	ENST00000529412	7297	NM_003331	TYK2
A_23_P30264	7,68317	7,17855	1,418749614	ENST00000512177	51194	NM_016338	IPO11
A_32_P524904	1,97401	1,46944	1,418700445	ENST00000308963	254439	NM_001136485	C11orf86
A_33_P3272744	3,25116	2,74664	1,418651277	ENST00000494874	57127	NM_001256395	RHBG
A_22_P00022182	1,98386	1,47937	1,418621778	N/A	100128126	NR_038406	STAU2-AS1

A_33_P3288995	2,28892	1,78451	1,418543115	N/A	N/A	N/A	N/A
A_33_P3374085	11,2608	10,7564	1,418533282	ENST00000392000	9208	NM_001137552	LRRFIP1
A_23_P48056	11,6099	11,1057	1,418336645	ENST00000378026	10970	NM_006825	CKAP4
A_33_P3210735	1,90879	1,40463	1,418297321	ENST00000497933	219527	NM_001005210	LRRC55
A_22_P00003661	4,35043	3,84627	1,418297321	ENST00000613868	101929125	NR_109859	LOC101929125
A_23_P24755	11,8854	11,3813	1,418238337	ENST00000491231	6811	NM_003164	STX5
A_24_P381136	10,2553	9,7513	1,418140036	ENST00000528462	29763	NM_016223	PACSIN3
A_24_P303815	8,49276	7,98892	1,417982768	ENST00000468435	115426	NM_152896	UHRF2
A_21_P0012279	5,85531	5,35156	1,417894312	ENST00000457911	N/A	N/A	N/A
A_22_P00025529	5,35497	4,85128	1,417835345	N/A	N/A	AL832075	Inc-KRTAP5-6-3
A_23_P45699	11,0581	10,5545	1,417746898	ENST00000370768	8880	NM_003902	FUBP1
A_22_P00000430	9,29827	8,79472	1,417697764	ENST00000382252	100131017	NM_001278559	ZNF316
A_24_P897062	6,05367	5,55014	1,41767811	ENST00000355095	728927	NM_001170905	ZNF736
A_21_P0006481	2,52215	2,01864	1,417658457	N/A	N/A	N/A	Inc-AC002365.1-1
A_33_P3377719	4,81072	4,30729	1,417579848	N/A	100129112	AK123839	LOC100129112
A_24_P193435	11,9148	11,4114	1,41755037	ENST00000613680	7082	NM_003257	TJP1
A_33_P3406245	7,6091	7,1057	1,41755037	ENST00000487009	9015	NM_005681	TAF1A
A_24_P126682	6,71895	6,21557	1,417530719	ENST00000614240	6607	NM_022877	SMN2
A_23_P201979	8,8699	8,36657	1,417481592	ENST00000488328	1390	NM_183013	CREM
A_21_P0014581	2,9415	2,43817	1,417481592	N/A	N/A	N/A	N/A
A_22_P00023423	3,99182	3,48855	1,417422642	N/A	N/A	N/A	Inc-AP000892.4.1-1
A_33_P3250398	9,37509	8,87202	1,417226159	ENST00000503833	1522	BC025419	CTSZ
A_22_P00014982	5,892	5,38894	1,417216336	N/A	N/A	N/A	Inc-SMC1B-1
A_21_P0014577	4,36472	3,86179	1,417088637	ENST00000546977	100506869	NR_126341	LOC100506869
A_21_P0002512	1,93947	1,43655	1,417078815	N/A	N/A	N/A	Inc-MMADHC-1
A_33_P3396851	4,55506	4,05214	1,417078815	N/A	N/A	N/A	XLOC_I2_003285
A_21_P0012267	3,02054	2,51764	1,41705917	N/A	N/A	N/A	XLOC_I2_009332
A_23_P155487	3,20435	2,70155	1,41696095	ENST00000614032	10991	NM_006841	SLC38A3
A_24_P377144	7,2477	6,74497	1,416892201	ENST00000307333	118429	NM_058172	ANTXR2
A_23_P97423	9,67212	9,16947	1,416813634	ENST00000292211	55585	NM_017582	UBE2Q1
A_22_P00007049	6,71426	6,21163	1,416793993	N/A	N/A	CU688551	Inc-GK-3
A_33_P3389573	4,43906	3,93644	1,416784172	ENST00000371734	64170	NM_052814	CARD9
A_22_P00014167	4,03665	3,53404	1,416774352	N/A	N/A	BC046497	Inc-SCRN3-3

A_24_P754803	17,9727	17,4701	1,416764532	ENST00000436473	N/A	CR542069	N/A
A_33_P3341882	2,42457	1,92197	1,416764532	N/A	N/A	N/A	N/A
A_23_P209449	9,56281	9,0603	1,416676152	ENST00000286201	8324	NM_003507	FZD7
A_24_P241276	13,6248	13,1223	1,416666332	ENST00000490537	11340	NM_181503	EXOSC8
A_22_P00018817	2,10832	1,60582	1,416666332	ENST00000543928	11262	NM_001005176	SP140
A_22_P00001414	3,05938	2,55688	1,416666332	N/A	N/A	N/A	Inc-API5-1
A_21_P0002270	5,54981	5,04732	1,416656513	N/A	N/A	N/A	Inc-BCL2L11-2
A_21_P0010905	3,70168	3,19924	1,416607416	ENST00000490269	390003	N/A	GUCY2GP
A_33_P3230658	10,2611	9,75872	1,416548502	ENST00000366639	7257	NM_005999	TSNAX
A_21_P0000374	6,06805	5,56574	1,416479772	N/A	692090	NR_003046	SNORD59B
A_22_P00017760	4,81752	4,31523	1,416460136	N/A	N/A	N/A	Inc-YPEL5-3
A_33_P3405022	6,71931	6,21704	1,4164405	ENST00000370272	3954	NM_012318	LETM1
A_24_P392060	9,51131	9,00904	1,4164405	ENST00000341199	375484	NM_198567	SIMC1
A_23_P383977	10,0606	9,55839	1,416381593	ENST00000562411	10302	NM_006049	SNAPC5
A_33_P3564399	4,99058	4,48838	1,416371775	ENST00000582245	6459	NR_033420	SH3GL1P2
A_23_P93032	11,9239	11,4218	1,416273603	ENST00000255198	84327	NM_032367	ZBED3
A_33_P3254101	4,66486	4,16276	1,416273603	N/A	N/A	AK093006	N/A
A_33_P3248329	9,68184	9,17977	1,416244153	ENST00000440482	60685	NM_021943	ZFAND3
A_21_P0002877	4,44023	3,93821	1,416195071	N/A	N/A	N/A	Inc-TMCC1-1
A_22_P00007411	7,04122	6,53924	1,416155806	ENST00000414603	N/A	N/A	N/A
A_22_P00021674	3,65442	3,15248	1,416116542	ENST00000568458	N/A	N/A	N/A
A_23_P389141	4,24789	3,74596	1,416106727	ENST00000359345	200172	NM_144990	SLFNL1
A_22_P00019042	2,52034	2,01852	1,415998758	ENST00000429410	2949	N/A	GSTM5
A_21_P0008657	3,98429	3,48253	1,415939869	N/A	N/A	N/A	Inc-SH2D7-5
A_24_P58620	2,6777	2,17598	1,415900612	ENST00000322282	57476	NM_001286563	GRAMD1B
A_23_P209269	10,0954	9,5937	1,415880983	ENST00000409432	5495	NM_001033557	PPM1B
A_33_P3346046	9,23981	8,73817	1,4158221	N/A	N/A	N/A	N/A
A_24_P140204	8,78691	8,28527	1,4158221	ENST00000468776	54899	NM_017771	PXK
A_22_P00016052	4,73408	4,23255	1,415714153	ENST00000581442	100505592	NR_110429	LINC01540
A_22_P00002511	2,16251	1,66111	1,41558659	N/A	N/A	N/A	Inc-C16orf88-1
A_22_P00009296	6,97855	6,47721	1,415527718	N/A	N/A	AF370400	Inc-LRRC36-1
A_22_P00022870	3,23904	2,73772	1,415508095	N/A	N/A	AA605230	Inc-NFYB-2
A_33_P3331726	10,9973	10,496	1,415488472	ENST00000565493	647979	NR_027451	LINC00657

A_32_P142700	5,57038	5,06912	1,415449227	ENST00000382821	150248	NM_182520	C22orf15
A_24_P320033	2,21965	1,71844	1,415400172	ENST00000264246	941	NM_005191	CD80
A_21_P0000171	5,31862	4,81752	1,415292258	ENST00000622330	3570	NM_001206866	IL6R
A_33_P3334448	7,9585	7,4574	1,415292258	ENST00000495394	6044	NR_002324	SNORA62
A_21_P0002142	3,95468	3,45369	1,415184351	ENST00000426904	348761	N/A	SPATA3-AS1
A_21_P0005733	2,13145	1,6305	1,415145114	N/A	N/A	N/A	Inc-CA2-1
A_22_P00007344	3,78199	3,28105	1,415135305	ENST00000571243	84461	NM_001005408	NEURL4
A_33_P3410279	7,93854	7,43761	1,415125496	ENST00000340449	23348	AK090793	DOCK9
A_33_P3281795	12,2929	11,792	1,41509607	ENST00000434178	11343	NM_007283	MGLL
A_24_P378788	7,0135	6,51264	1,415056836	ENST00000488894	79939	NM_024881	SLC35E1
A_21_P0007109	3,14317	2,64257	1,41480184	N/A	101929574	N/A	LOC101929574
A_23_P94296	3,33394	2,83339	1,414752807	ENST00000175238	8756	NM_003817	ADAM7
A_23_P372994	2,05546	1,55493	1,414733195	ENST00000324382	132243	NM_153833	H1FOO
A_23_P136573	9,16947	8,66904	1,414635136	ENST00000461206	8869	NM_003896	ST3GAL5
A_22_P00013834	3,21726	2,71686	1,41460572	N/A	N/A	N/A	Inc-RPL17-1
A_23_P74778	11,3733	10,8731	1,414409628	ENST00000369102	79630	NM_024579	C1orf54
A_33_P3405349	6,73691	6,23671	1,414409628	ENST00000448720	55262	AK001787	C7orf43
A_22_P00016149	4,7907	4,29051	1,414399824	N/A	N/A	N/A	Inc-TIMP3-1
A_23_P214627	2,05854	1,55836	1,41439002	ENST00000459762	199	NM_004847	AIF1
A_23_P393015	2,11012	1,60997	1,414360609	ENST00000223167	93408	NM_138403	MYL10
A_24_P313418	1,97311	1,47302	1,414301788	ENST00000219235	6367	NM_002990	CCL22
A_33_P3381483	8,26792	7,76785	1,414282182	ENST00000253144	55422	NM_001253798	ZNF331
A_21_P0008939	3,19807	2,69809	1,414193957	ENST00000569993	101927364	NR_110916	LINC01571
A_23_P53162	8,42372	7,92386	1,414076333	ENST00000300737	6786	NM_003156	STIM1
A_22_P00003674	3,68266	3,18282	1,41405673	N/A	101929770	XR_242026	LOC101929770
A_33_P3313421	10,4836	9,98377	1,414046928	ENST00000192788	54887	NM_017754	UHRF1BP1
A_23_P162279	10,1477	9,64797	1,413948917	ENST00000381259	55297	NM_018318	CCDC91
A_32_P42574	12,0554	11,5557	1,413919516	ENST00000366663	84886	NM_032800	C1orf198
A_23_P96990	12,4421	11,9426	1,413723518	ENST00000469075	4931	NM_002533	NVL
A_21_P0002192	2,74934	2,24993	1,413635328	N/A	285043	XR_244980	LOC285043
A_33_P3212665	4,31025	3,81089	1,413586336	N/A	401233	NR_033884	HTATSF1P2
A_23_P301476	6,35631	5,85697	1,41356674	ENST00000534941	285315	NM_173657	C3orf33
A_19_P00322687	9,0857	8,58649	1,41343937	ENST00000443173	100288413	NM_001242690	ERVMER34-1

A_33_P3284077	6,14695	5,64781	1,413370792	ENST00000366678	55746	NM_018230	NUP133
A_24_P314554	4,1964	3,6973	1,413331605	ENST00000398377	84559	NR_001555	GOLGA2P2Y
A_24_P298027	2,32741	1,82834	1,413302216	ENST00000544103	8313	NM_004655	AXIN2
A_21_P0003129	2,43571	1,93667	1,413272828	N/A	N/A	N/A	Inc-PROK2-1
A_33_P3343473	4,89319	4,39424	1,413184666	ENST00000534530	26033	NM_207303	ATRNL1
A_22_P00019846	2,30945	1,81054	1,413145485	ENST00000449977	196993	NM_001102658	CT62
A_22_P00009205	5,71409	5,21519	1,413135689	ENST00000450916	100506457	NR_110198	LOC100506457
A_24_P295963	15,2719	14,773	1,413135689	ENST00000549258	54407	NM_018976	SLC38A2
A_33_P3221868	11,3501	10,8513	1,413037742	ENST00000334888	51259	NM_001173990	TMEM216
A_24_P356	4,63294	4,1342	1,412978976	ENST00000406297	22848	AB028971	AAK1
A_21_P0000251	9,16084	8,66223	1,41285166	N/A	26783	NR_002449	SNORA65
A_33_P3351606	5,98081	5,48223	1,412822281	ENST00000524060	100130155	NR_034102	MIR124-2HG
A_33_P3386572	5,20273	4,70419	1,412783109	ENST00000497451	84871	N/A	AGBL4
A_33_P3226565	4,62582	4,12729	1,412773317	N/A	N/A	N/A	N/A
A_21_P0010159	2,14595	1,64745	1,412743939	ENST00000453716	101930746	N/A	LINC00945
A_24_P168726	7,54186	7,04349	1,412616644	ENST00000361166	4771	NM_181831	NF2
A_33_P3247474	1,9469	1,44855	1,412597061	ENST00000309765	375337	NM_001145030	TOPAZ1
A_22_P00014253	2,90809	2,40984	1,412499151	ENST00000442086	N/A	N/A	N/A
A_23_P19369	7,33358	6,83534	1,41248936	ENST00000476458	55604	NM_017640	LRRCL16A
A_24_P401090	5,53217	5,03399	1,412430617	ENST00000442006	N/A	N/A	N/A
A_19_P00805273	9,60758	9,10947	1,412362088	ENST00000427142	10213	NM_005805	PSMD14
A_23_P300905	9,55771	9,0596	1,412362088	ENST00000374704	219771	NM_145012	CCNY
A_22_P00011527	2,09441	1,5963	1,412362088	ENST00000441473	N/A	N/A	N/A
A_22_P00018812	4,07291	3,57487	1,412293561	N/A	N/A	N/A	Inc-SEZ6-1
A_33_P3257558	6,3714	5,87346	1,412195672	ENST00000491018	11064	N/A	CNTRL
A_22_P00006299	1,95244	1,45452	1,412176095	N/A	N/A	N/A	Inc-FAM84B-1
A_22_P00020639	3,25429	2,75638	1,412166306	ENST00000514103	N/A	N/A	N/A
A_33_P3410589	9,49382	8,99593	1,412146729	ENST00000329759	131583	NM_153690	FAM43A
A_23_P114445	5,57505	5,07717	1,412136941	ENST00000361470	57692	NM_020932	MAGEE1
A_32_P62963	13,8811	13,3833	1,412058638	ENST00000580113	400578	NR_029392	KRT16P2
A_32_P4626	9,62982	9,13211	1,411970552	N/A	101928076	XR_241970	LOC101928076
A_23_P153945	9,37241	8,87475	1,411921618	ENST00000415569	79712	NM_001006636	GTDC1
A_21_P0000469	6,25872	5,76108	1,411902044	N/A	100113392	NR_003694	SNORD11B

A_22_P00023939	1,92567	1,42804	1,411892258	N/A	N/A	N/A	Inc-PACRGL-5
A_23_P200073	9,69334	9,19571	1,411892258	ENST00000246151	57095	NM_020362	PITHD1
A_24_P67534	6,05233	5,55489	1,411706327	ENST00000330288	644538	NM_001163438	SMIM10
A_22_P00011458	2,75963	2,26228	1,411618263	ENST00000416507	N/A	N/A	N/A
A_33_P3286804	2,52376	2,02645	1,411579125	ENST00000425752	196527	NM_001142679	ANO6
A_23_P70355	11,2084	10,7111	1,41156934	ENST00000616722	5269	NM_004568	SERPINB6
A_22_P00012203	2,23974	1,74244	1,41156934	N/A	104384744	NR_126420	TET2-AS1
A_21_P0000195	11,1707	10,6734	1,41156934	ENST00000328090	54906	NM_017782	FAM208B
A_33_P3342653	6,03134	5,53417	1,411442151	ENST00000617732	80332	NM_153202	ADAM33
A_22_P00006496	3,0671	2,57	1,411373669	ENST00000533170	N/A	N/A	N/A
A_22_P00010928	6,539	6,04197	1,41130519	N/A	N/A	N/A	Inc-NR2C2-1
A_33_P3280120	2,17007	1,67313	1,411217151	N/A	N/A	N/A	N/A
A_33_P3550894	4,23604	3,73912	1,411197588	ENST00000430265	2624	NM_001145661	GATA2
A_33_P3313302	8,66536	8,16851	1,411129118	ENST00000567440	56965	NM_020214	PARP6
A_23_P91919	12,6261	12,1293	1,411080213	ENST00000479209	27230	NM_014445	SERP1
A_32_P198330	7,95572	7,45898	1,411021529	ENST00000513458	285672	NM_173829	SREK1IP1
A_21_P0005951	8,46161	7,96497	1,410923727	ENST00000522414	N/A	N/A	N/A
A_21_P0006351	5,36593	4,8694	1,410816154	N/A	N/A	N/A	Inc-RP11-262H14.4.1-4
A_22_P00006702	2,10383	1,60734	1,410777038	ENST00000504057	N/A	N/A	N/A
A_21_P0008083	5,19087	4,69443	1,410728145	N/A	N/A	N/A	Inc-UCHL3-5
A_23_P362712	9,57178	9,07534	1,410728145	ENST00000474130	83451	NM_001301058	ABHD11
A_33_P3263287	3,99232	3,49602	1,410591254	N/A	100129111	AK126895	LOC100129111
A_24_P329600	11,8529	11,3566	1,410591254	ENST00000533705	29979	NM_013438	UBQLN1
A_23_P32054	6,83399	6,33776	1,410522814	ENST00000492174	157922	NM_015447	CAMSAP1
A_33_P3365432	4,22528	3,72905	1,410522814	ENST00000447071	4689	NM_000631	NCF4
A_22_P00003277	4,16079	3,66457	1,410513037	N/A	100132159	NR_120496	CALML3-AS1
A_23_P193	10,3572	9,861	1,410493483	ENST00000358527	64789	NM_022774	EXO5
A_22_P00016460	3,80474	3,30879	1,410249084	ENST00000507496	101929470	NR_125817	LOC101929470
A_24_P896205	2,37211	1,87628	1,410131788	N/A	103689912	NR_125749	TBX2-AS1
A_23_P134147	9,69638	9,20059	1,410092691	ENST00000230122	9841	NM_014797	ZBTB24
A_22_P00015094	2,62988	2,13421	1,409975408	N/A	N/A	N/A	Inc-SNW1-1
A_23_P65302	2,8781	2,38249	1,40991677	ENST00000283550	122258	NM_145248	SPACA7
A_23_P22671	12,0359	11,5403	1,409906997	ENST00000286448	6845	NM_005638	VAMP7

A_33_P3423435	6,80303	6,30747	1,409867907	ENST00000268154	374655	NM_198526	ZNF710
A_21_P0001516	3,61251	3,11702	1,409799501	N/A	N/A	N/A	Inc-C1orf87-2
A_33_P3292164	3,17284	2,67736	1,409789729	ENST00000391354	100505724	NM_001277332	KRTAP9-7
A_23_P161098	7,95394	7,45852	1,409731099	ENST00000289703	2005	NM_001973	ELK4
A_22_P00003952	3,15151	2,65611	1,409711556	N/A	N/A	N/A	Inc-CHAD-5
A_23_P404091	10,8214	10,326	1,409711556	ENST00000507562	134266	NM_152407	GRPEL2
A_33_P3297907	3,27897	2,78381	1,409477062	ENST00000215530	27006	NM_020637	FGF22
A_21_P0000500	11,1346	10,6396	1,409320755	ENST00000484998	692201	NR_004399	SNORD86
A_33_P3285430	7,41533	6,92033	1,409320755	ENST00000547640	10059	AK123906	DNM1L
A_33_P3413188	7,76102	7,26605	1,409291449	ENST00000433425	644596	NR_024493	LINC00087
A_24_P419300	11,1238	10,6289	1,409223072	ENST00000454935	25845	NR_024158	PP7080
A_23_P350234	9,41564	8,92079	1,409174233	ENST00000616924	389898	NM_001012989	UBE2NL
A_33_P3304065	2,79911	2,30429	1,40914493	ENST00000199280	359	NM_000486	AQP2
A_22_P00024689	10,8055	10,3107	1,409125395	ENST00000618227	378938	NR_002819	MALAT1
A_33_P3230881	7,22984	6,73508	1,409086327	ENST00000266483	84920	NM_032834	ALG10
A_23_P502980	7,62968	7,13499	1,409017959	ENST00000498255	160851	NM_152910	DGKH
A_33_P3277378	4,25951	3,76486	1,408978893	N/A	N/A	N/A	N/A
A_21_P0011436	4,86967	4,37517	1,408832406	N/A	N/A	N/A	XLOC_I2_005194
A_23_P170587	11,7307	11,2362	1,408832406	ENST00000471645	56950	NM_020197	SMYD2
A_24_P127235	11,1048	10,6104	1,408734757	ENST00000475025	613	NM_004327	BCR
A_23_P354027	11,0086	10,5142	1,408734757	ENST00000333751	147040	NM_001002914	KCTD11
A_24_P911094	4,6886	4,19428	1,408656642	ENST00000376439	11159	XM_005263579	RABL2A
A_32_P171181	8,80259	8,30828	1,408646878	ENST00000612520	100132406	NM_001039703	NBPF10
A_32_P84728	5,96132	5,4671	1,408559005	N/A	N/A	N/A	N/A
A_22_P00021745	4,32797	3,83378	1,408529715	ENST00000432139	N/A	N/A	N/A
A_23_P25989	9,40029	8,90613	1,408500426	ENST00000446066	84193	NM_032233	SETD3
A_21_P0009110	7,74363	7,24951	1,408461375	ENST00000611381	146198	XM_005255805	ZFP90
A_22_P00004536	3,14818	2,65408	1,408441849	ENST00000436594	N/A	DB197961	N/A
A_33_P3213857	12,4236	11,9296	1,408344227	ENST00000621641	79621	NM_001142279	RNASEH2B
A_23_P396353	8,96264	8,46874	1,408246611	ENST00000476352	51199	NM_020921	NIN
A_22_P00018481	1,87059	1,37671	1,408227089	N/A	N/A	N/A	Inc-AC096644.1-3
A_21_P0009837	2,98033	2,48645	1,408227089	N/A	N/A	N/A	Inc-CST8-3
A_33_P3280709	4,91221	4,41838	1,408178284	N/A	N/A	N/A	N/A

A_22_P00003871	5,19376	4,70003	1,40808068	ENST00000569547	60677	NM_001172684	CELF6
A_24_P23034	10,7204	10,2267	1,4080514	ENST00000396105	57169	NM_021035	ZNFx1
A_22_P00020092	2,09858	1,60495	1,407983083	N/A	N/A	N/A	Inc-SLC1A2-1
A_33_P3315841	5,20369	4,71008	1,407963564	ENST00000505053	N/A	N/A	N/A
A_22_P00002435	5,01021	4,51673	1,4078367	N/A	N/A	N/A	Inc-C14orf49-2
A_32_P137035	13,1053	12,6119	1,407758635	ENST00000495323	5987	NM_006510	TRIM27
A_23_P325924	7,64961	7,15624	1,407729362	ENST00000401533	150946	NM_001191033	GAREML
A_23_P113382	4,5795	4,08614	1,407719604	ENST00000359742	23426	NM_021150	GRIP1
A_24_P151727	13,5917	13,0984	1,40766106	ENST00000472185	4841	NM_007363	NONO
A_22_P00007067	4,15023	3,65702	1,407573248	N/A	N/A	BG185545	Inc-GLDN-2
A_23_P2129	11,9572	11,464	1,407563492	ENST00000530783	55863	NM_018480	TMEM126B
A_23_P402279	1,96326	1,4701	1,407524466	ENST00000341702	317701	NM_173856	VN1R2
A_23_P138856	14,9006	14,4075	1,40746593	ENST00000525190	10589	NM_006442	DRAP1
A_21_P0001020	3,41055	2,91761	1,407309846	N/A	N/A	N/A	Inc-RXFP4-1
A_22_P00006348	2,06324	1,57034	1,407270827	ENST00000555246	100506412	N/A	LINC00871
A_33_P3216337	13,4336	12,9408	1,407173286	ENST00000019019	24140	NM_177439	FTSJ1
A_21_P0008516	2,83044	2,33768	1,407134272	N/A	N/A	N/A	Inc-SIPA1L1-1
A_23_P59294	6,18788	5,69517	1,407085505	ENST00000379933	6239	NM_001003699	RREB1
A_22_P00022260	3,8091	3,31644	1,40703674	ENST00000435156	N/A	N/A	N/A
A_22_P00003521	2,62197	2,12947	1,406880703	ENST00000577584	N/A	N/A	N/A
A_33_P3269548	2,31119	1,81878	1,40679294	N/A	653399	N/A	GSTTP2
A_21_P0011807	2,00545	1,51312	1,406714933	ENST00000622311	645784	N/A	ANKRD36BP2
A_23_P26062	1,96389	1,47163	1,40664668	ENST00000341689	338949	NM_001080462	TMEM202
A_22_P00023552	7,31728	6,82517	1,406500436	N/A	101929021	XR_246125	LOC101929021
A_22_P00020936	7,44614	6,95408	1,406451691	N/A	N/A	N/A	Inc-UNC93B1-2
A_33_P3360077	4,72277	4,23071	1,406451691	ENST00000609755	N/A	AK128206	N/A
A_33_P3357813	3,53453	3,04253	1,4063932	N/A	3352	M81589	HTR1D
A_33_P3343360	2,11968	1,62789	1,406188499	ENST00000432775	401145	NM_207491	CCSER1
A_21_P0001219	2,75149	2,25973	1,406159258	ENST00000453331	N/A	N/A	N/A
A_22_P00007566	2,25578	1,76423	1,405954591	N/A	N/A	N/A	Inc-HBZ-1
A_24_P417162	8,67374	8,18225	1,405896121	ENST00000407597	6907	NM_005647	TBL1X
A_19_P00318938	7,98298	7,49157	1,405818163	ENST00000414603	N/A	N/A	N/A
A_33_P3390456	7,93884	7,44768	1,405574575	ENST00000547254	10138	NM_001190979	YAF2



A_21_P0005433	2,15995	1,66882	1,405545347	N/A	N/A	N/A	Inc-MKLN1-1
A_23_P45831	10,5829	10,0918	1,40551612	ENST00000622533	9557	NM_004284	CHD1L
A_24_P940620	6,43542	5,9444	1,405438184	ENST00000327026	284001	XM_005256345	CCDC57
A_23_P68665	12,5638	12,0728	1,4054187	ENST00000253003	11047	NM_007002	ADRM1
A_22_P00013502	3,8289	3,33815	1,405175181	ENST00000511935	100507065	XR_110369	LOC100507065
A_23_P37569	8,71741	8,22669	1,405145961	ENST00000559717	4122	NM_006122	MAN2A2
A_33_P3324004	5,49995	5,00929	1,405087524	ENST00000614050	6359	NM_032965	CCL15
A_22_P00001898	2,58102	2,09039	1,405058306	N/A	N/A	N/A	Inc-B4GALT3-1
A_22_P00015970	1,96473	1,47412	1,405038828	N/A	N/A	AL833462	Inc-TEKT3-1
A_33_P3396607	11,0044	10,5138	1,405029089	ENST00000506179	7358	NM_003359	UGDH
A_22_P00014884	3,04007	2,54947	1,405029089	N/A	100874278	NR_046817	ER13-IT1
A_21_P0008774	2,11992	1,62939	1,404960919	N/A	N/A	N/A	Inc-DET1-2
A_33_P3341189	11,8018	11,3113	1,404931704	ENST00000346330	7319	NM_003336	UBE2A
A_22_P00015989	3,37459	2,88413	1,404892751	ENST00000514327	N/A	N/A	N/A
A_24_P84048	16,2313	15,741	1,404736952	ENST00000487417	N/A	N/A	N/A
A_22_P00001663	4,27154	3,78131	1,404668796	N/A	N/A	BC131614	Inc-ASH1L-1
A_21_P0002372	2,131	1,64077	1,404668796	N/A	N/A	N/A	Inc-SH3BP4-2
A_33_P3337771	11,9585	11,4683	1,404639587	ENST00000260129	96764	NM_024831	TGS1
A_33_P3372318	3,88515	3,39498	1,404610378	ENST00000490828	400954	AK131467	EML6
A_21_P0008060	5,42087	4,93075	1,404561699	N/A	100190939	NR_024458	TPT1-AS1
A_21_P0002694	2,30125	1,81114	1,404551963	N/A	N/A	N/A	Inc-THAP4-1
A_33_P3364661	7,65621	7,16612	1,404532492	ENST00000265538	387	DC392227	RHOA
A_21_P0002450	2,15601	1,66599	1,404464346	N/A	N/A	N/A	Inc-TMEM17-2
A_23_P109420	11,6512	11,1612	1,404444876	ENST00000413293	9790	NM_014753	BMS1
A_33_P3212640	5,58436	5,09438	1,404425406	ENST00000578207	388677	NM_203458	NOTCH2NL
A_22_P00021572	4,77189	4,28193	1,404405937	N/A	N/A	CR739627	Inc-ZFYVE1-1
A_32_P88905	10,3616	9,87166	1,404386468	N/A	N/A	N/A	N/A
A_23_P119964	11,4512	10,9613	1,40434753	ENST00000489306	10153	NM_005760	CEBPZ
A_23_P407992	6,20113	5,71123	1,40434753	ENST00000293925	57585	NM_020825	CRAMP1L
A_19_P00316682	4,43076	3,94088	1,404328062	ENST00000509530	N/A	N/A	N/A
A_33_P3398693	3,50398	3,01414	1,404289126	ENST00000338315	388931	NM_001080473	MFSD2B
A_23_P204550	11,6071	11,1173	1,404250192	ENST00000360820	55681	NM_017988	SCYL2
A_33_P3419970	9,54334	9,05359	1,404201525	ENST00000333383	256933	NM_148896	NPB

A_33_P3212704	6,51647	6,02686	1,404065267	N/A	N/A	N/A	N/A
A_23_P216468	6,21557	5,72597	1,404055535	ENST00000262352	6505	NM_004170	SLC1A1
A_33_P3224660	6,32515	5,8356	1,404006875	ENST00000429313	215	NM_000033	ABCD1
A_21_P0007449	1,92397	1,43447	1,403958217	N/A	N/A	N/A	Inc-RP11-817J15.3.1-1
A_22_P00022584	4,8694	4,37995	1,40390956	N/A	101928324	NR_125952	LOC101928324
A_33_P3325477	4,866	4,37668	1,403783061	ENST00000371368	115353	XM_006710328	LRRC42
A_23_P78664	13,0265	12,5372	1,4037636	ENST00000242776	10212	NM_005804	DDX39A
A_32_P141262	11,5083	11,0191	1,403666302	ENST00000429006	29883	NM_054026	CNOT7
A_33_P3419545	9,49966	9,0105	1,403627385	ENST00000496061	81602	NM_001193478	CDADC1
A_33_P3347168	8,69373	8,20459	1,403607926	ENST00000407597	6907	NM_005647	TBL1X
A_33_P3396600	3,55296	3,06398	1,40345227	ENST00000381759	23030	NM_015015	KDM4B
A_33_P3625172	2,15884	1,6699	1,403413359	ENST00000423178	399821	NR_033847	FLJ37035
A_33_P3354646	5,17773	4,68882	1,403384176	ENST00000470678	5407	NM_006229	PNLIPRP1
A_23_P164011	9,38724	8,89835	1,403364721	ENST00000250055	6665	NM_006942	SOX15
A_23_P126008	9,92202	9,43316	1,403335539	ENST00000372009	23139	NM_015112	MAST2
A_24_P386639	9,5984	9,10977	1,403111832	ENST00000382762	51272	NM_016526	BET1L
A_23_P300847	4,16181	3,67319	1,403102106	ENST00000555882	100302145	AF469204	MIR1247
A_33_P3307207	1,96925	1,48066	1,40307293	ENST00000332715	646625	NM_001105577	URAD
A_23_P253375	10,8692	10,3809	1,402790922	ENST00000558836	1523	NM_001913	CUX1
A_24_P23951	9,92276	9,43447	1,402781199	ENST00000511549	400892	NR_037566	BCRP2
A_32_P165933	3,31948	2,83119	1,402781199	ENST00000429548	389123	NM_203424	IQCF2
A_24_P188325	10,3076	9,81936	1,402732583	ENST00000416915	51377	NM_015984	UCHL5
A_24_P313186	10,1656	9,67736	1,402732583	ENST00000356978	801	NM_006888	CALM1
A_23_P104116	15,5283	15,0401	1,402693692	ENST00000369307	9939	NM_005105	RBM8A
A_33_P3233219	3,57045	3,08257	1,402382599	ENST00000331251	2831	NM_005285	NPBWR1
A_24_P232696	12,176	11,6882	1,402304836	ENST00000381513	6602	NM_139071	SMARCD1
A_33_P3415156	3,23046	2,74267	1,402295116	N/A	N/A	DA938875	N/A
A_22_P00000457	7,36604	6,87833	1,402217359	ENST00000513480	101929768	NR_109951	OSMR-AS1
A_23_P325654	2,02798	1,54027	1,402217359	ENST00000286349	287015	NM_152616	TRIM42
A_24_P393844	11,7978	11,3101	1,402207639	ENST00000527319	1802	NM_001384	DPH2
A_23_P141429	4,78245	4,29485	1,402110449	ENST00000419580	51225	NM_016428	ABI3
A_33_P3268060	1,97254	1,48495	1,402100731	ENST00000380371	401667	NM_001004748	OR51A2
A_23_P204536	10,2341	9,74652	1,402091012	ENST00000448372	29843	NM_001267595	SENP1

A_21_P0002168	5,60697	5,11942	1,402061857	ENST00000547349	N/A	XR_241269	N/A
A_33_P3350393	10,1474	9,65993	1,401984112	ENST00000417689	8824	NM_003869	CES2
A_33_P3283971	10,019	9,53159	1,401925806	ENST00000376148	4795	NM_005007	NFKBIL1
A_33_P3352407	18,4198	17,9324	1,401916089	ENST00000434913	N/A	N/A	N/A
A_23_P34741	14,0307	13,5434	1,401818919	ENST00000374266	51042	NM_015871	ZNF593
A_23_P100486	11,911	11,4237	1,401818919	ENST00000394975	79001	NM_206824	VKORC1
A_23_P151093	11,5382	11,051	1,401721756	ENST00000548490	51067	NM_001040436	YARS2
A_23_P150693	12,0593	11,5722	1,401624599	ENST00000317811	24147	NM_014344	FJX1
A_24_P942002	9,51161	9,02457	1,401566308	ENST00000326793	23527	NM_012287	ACAP2
A_33_P3224027	7,14463	6,65762	1,401537164	ENST00000547545	114785	NM_052897	MBD6
A_23_P409449	3,98494	3,49797	1,401498305	ENST00000334077	6887	NM_005421	TAL2
A_33_P3400309	2,10325	1,61629	1,401488591	ENST00000326929	79747	AK097570	ADGB
A_23_P66432	7,11022	6,62341	1,401342883	ENST00000441391	94015	NM_032646	TTYH2
A_23_P152305	9,11376	8,62699	1,40130403	ENST00000394156	1009	NM_001797	CDH11
A_33_P3355877	5,25683	4,77013	1,40123604	ENST00000508115	152518	NR_103795	NFXL1
A_33_P3350823	7,33237	6,84571	1,40119719	ENST00000326361	51193	NM_016331	ZNF639
A_22_P00003920	10,9214	10,4348	1,401138917	ENST00000568347	8824	NM_003869	CES2
A_23_P71146	11,5189	11,0323	1,401138917	ENST00000470867	5425	NM_006230	POLD2
A_23_P12884	12,7268	12,2402	1,401138917	ENST00000392870	2869	NM_005308	GRK5
A_23_P140907	11,2447	10,7581	1,401138917	ENST00000431232	58986	NM_021259	TMEM8A
A_21_P0011879	2,18694	1,70039	1,401090358	N/A	N/A	N/A	Inc-B3GNT7-1
A_33_P3287078	6,76548	6,27897	1,401051512	ENST00000377051	64412	NM_022482	GZF1
A_24_P93741	6,86265	6,37616	1,40103209	ENST00000296292	91869	NM_052859	RFT1
A_23_P501193	2,12337	1,63698	1,400934981	ENST00000615244	3773	NM_170741	KCNJ16
A_23_P24774	3,56283	3,07651	1,400867009	ENST00000525022	6833	NM_000352	ABCC8
A_33_P3461633	8,01708	7,53078	1,400847589	ENST00000587762	284454	NR_036515	LOC284454
A_23_P428827	10,3226	9,83646	1,400692238	ENST00000257787	55122	NM_018064	AKIRIN2
A_24_P214598	8,01585	7,52975	1,400653403	ENST00000506423	152926	NM_152542	PPM1K
A_32_P755542	11,5867	11,1006	1,400653403	ENST00000486090	132001	NM_138807	TAMM41
A_22_P00021783	2,04191	1,55589	1,400575737	N/A	N/A	N/A	Inc-RP11-166B2.1.1-1
A_33_P3331588	13,9451	13,4591	1,400556321	ENST00000474481	83858	NM_031921	ATAD3B
A_33_P3243405	4,83681	4,35084	1,400527197	ENST00000300098	11318	NM_007264	GPR182
A_24_P333716	9,51677	9,0309	1,400430124	ENST00000400602	64328	NM_022459	XPO4

A_21_P0014656	2,41192	1,9261	1,400381589	N/A	N/A	N/A	N/A
A_21_P0005828	3,23026	2,74454	1,400284526	N/A	N/A	N/A	Inc-RP11-350F16.2.1-2
A_23_P419038	8,43897	7,95329	1,400245702	ENST00000511124	9575	NM_004898	CLOCK
A_21_P0011818	3,89637	3,41071	1,400226291	N/A	N/A	N/A	XL0C_I2_007427
A_21_P0006358	5,12534	4,63984	1,400071009	N/A	N/A	N/A	Inc-HIATL1-2
A_33_P3328184	2,76324	2,27775	1,400061305	N/A	N/A	N/A	Inc-CAST-4
A_33_P3337182	5,10539	4,6199	1,400061305	ENST00000439955	N/A	N/A	N/A
A_23_P408675	10,1008	9,61539	1,399983671	ENST00000544642	9044	NM_003972	BTAf1
A_24_P216456	2,18641	1,7011	1,399886635	ENST00000357246	440738	NM_001004343	MAP1LC3C
A_33_P3268472	12,7413	12,256	1,399876932	ENST00000393301	1075	NM_001114173	CTSC
A_21_P0004237	2,9882	2,50317	1,399614969	N/A	N/A	N/A	Inc-C5orf17-6
A_23_P28625	11,5654	11,0804	1,399585866	ENST00000467777	55759	NM_018256	WDR12
A_22_P00003706	2,1172	1,63223	1,399556762	ENST00000522743	N/A	N/A	N/A
A_23_P26223	10,3356	9,85065	1,39953736	ENST00000395331	435	NM_001024943	ASL
A_32_P117354	10,9812	10,4963	1,399488857	ENST00000512946	22998	NM_014988	LIMCH1
A_21_P0010398	2,83847	2,35363	1,399430655	N/A	N/A	N/A	Inc-RGL4-4
A_23_P45940	11,4669	10,9821	1,399391855	ENST00000366514	64216	NM_022366	TFB2M
A_33_P3410409	13,0273	12,5426	1,39929486	ENST00000200639	3920	NM_001122606	LAMP2
A_22_P00018755	1,95449	1,46999	1,39910089	N/A	N/A	AW138088	Inc-CALCOCO2-5
A_33_P3286953	2,66773	2,18329	1,399042704	ENST00000381052	11174	NM_197941	ADAMTS6
A_23_P37283	7,83035	7,34595	1,399003915	ENST00000557184	10668	NM_006568	CGRRF1
A_32_P64475	7,13874	6,65435	1,398994218	ENST00000272091	163859	NM_152608	SDE2
A_24_P268676	12,4212	11,9369	1,398906947	ENST00000256495	8553	NM_003670	BHLHE40
A_23_P147918	15,5227	15,0384	1,398906947	ENST00000368703	140576	NM_080388	S100A16
A_33_P3401058	4,67113	4,18689	1,398848769	N/A	N/A	AK022140	Inc-KIAA0825-1
A_24_P9833	4,93733	4,45317	1,398771203	ENST00000530656	56981	NM_001256696	PRDM11
A_33_P3331437	6,44918	5,96505	1,398742117	ENST00000624776	9849	NM_001278524	ZNF518A
A_33_P3251093	10,7125	10,2284	1,398713031	ENST00000243389	206358	NM_078483	SLC36A1
A_23_P302094	11,8361	11,352	1,398713031	ENST00000473689	92856	NM_033416	IMP4
A_22_P00014264	3,88582	3,4018	1,398635472	ENST00000558370	N/A	N/A	N/A
A_23_P45864	5,02299	4,539	1,398606388	ENST00000263525	7143	NM_003285	TNR
A_22_P00001008	6,87795	6,39405	1,398519141	ENST00000422847	439990	NR_038464	LINC00857
A_33_P3329326	1,982	1,49819	1,3984319	ENST00000374025	388611	N/A	CD164L2

A_23_P391637	7,8238	7,34003	1,398393128	ENST00000293970	57465	NM_020705	TBC1D24
A_33_P3401813	4,35625	3,8725	1,398373742	N/A	N/A	AK126599	N/A
A_33_P3280114	2,06683	1,58309	1,398364049	N/A	N/A	N/A	N/A
A_23_P128624	14,8172	14,3335	1,398325279	ENST00000537802	79587	NM_024537	CARS2
A_33_P3316248	3,90797	3,4243	1,398296202	N/A	N/A	N/A	N/A
A_22_P00016933	6,25064	5,76699	1,398276818	ENST00000267970	10099	AL109670	TSPAN3
A_21_P0002967	3,87263	3,38901	1,398247741	ENST00000481004	N/A	N/A	N/A
A_33_P3230541	2,21693	1,73332	1,39823805	N/A	N/A	N/A	N/A
A_33_P3357062	11,4345	10,9509	1,398228358	ENST00000354291	57696	NM_020936	DDX55
A_24_P215628	8,01542	7,53189	1,398160517	ENST00000375403	55208	NM_001014283	DCUN1D2
A_33_P3236642	7,15312	6,66961	1,398141134	ENST00000470521	375056	NM_198551	MIA3
A_23_P395585	5,19738	4,71399	1,398024845	ENST00000318225	152065	XM_005247139	C3orf22
A_23_P140698	9,34532	8,86194	1,398015155	ENST00000559310	55192	NM_018163	DNAJC17
A_21_P0011008	4,59455	4,11129	1,397898876	N/A	N/A	N/A	XLOC_I2_002651
A_32_P90210	12,4729	11,9897	1,39784074	ENST00000217893	6880	NM_001015892	TAF9
A_33_P3849275	11,0336	10,5504	1,39784074	ENST00000543669	2273	NM_001159704	FHL1
A_33_P3229722	11,5766	11,0934	1,39784074	ENST00000381899	9491	NM_006814	PSMF1
A_22_P00004724	2,19579	1,71261	1,397821362	ENST00000600103	100852410	NR_046217	ZRANB2-AS2
A_23_P385217	13,2532	12,7701	1,397743853	ENST00000256496	55207	NM_018184	ARL8B
A_22_P00003284	15,7505	15,2674	1,397743853	ENST00000603283	642587	NM_001104548	MIR205HG
A_21_P0006757	7,8649	7,3819	1,397646972	N/A	N/A	N/A	Inc-RBP3-1
A_33_P3343073	9,4616	8,97863	1,397617909	ENST00000618915	6598	NM_003073	SMARCB1
A_22_P00024147	4,11829	3,63534	1,397598534	N/A	N/A	N/A	Inc-CPPED1-3
A_23_P356004	2,32655	1,84369	1,39751135	ENST00000377181	30818	NM_013434	KCNIP3
A_24_P38143	6,82121	6,33835	1,39751135	ENST00000457866	54806	NM_017651	AHI1
A_21_P0011723	4,97292	4,49022	1,39735637	ENST00000589310	N/A	N/A	N/A
A_32_P78783	7,02354	6,54103	1,397172353	ENST00000433976	197320	NM_001201407	ZNF778
A_21_P0014566	5,15362	4,67113	1,397152984	N/A	N/A	N/A	N/A
A_23_P405110	4,29246	3,81003	1,397094879	ENST00000370124	8556	NM_033313	CDC14A
A_33_P3299055	3,11112	2,62883	1,396959311	ENST00000457909	90342	NM_001293083	FER1L5
A_33_P3424516	2,08055	1,59826	1,396959311	ENST00000328611	390059	NM_001004756	OR51M1
A_22_P00021104	7,92682	7,44457	1,396920579	N/A	N/A	N/A	Inc-IL23A-2
A_22_P00017389	2,93703	2,45478	1,396920579	N/A	N/A	BU073897	Inc-VANGL2-1

A_23_P325562	5,29397	4,81172	1,396920579	ENST00000620288	6512	NM_006671	SLC1A7
A_24_P277934	2,04674	1,5645	1,396910897	ENST00000464916	1278	NM_000089	COL1A2
A_24_P134834	8,55721	8,075	1,396881849	ENST00000392062	84236	NM_032276	RHBDD1
A_23_P88680	14,0711	13,5891	1,396678532	ENST00000256545	56851	NM_020154	EMC7
A_23_P111303	10,8114	10,3295	1,396581725	ENST00000367178	22828	NM_014892	SCAF8
A_21_P0009000	3,69191	3,21003	1,396562365	ENST00000575693	101929566	XR_243337	LOC101929566
A_21_P0000755	2,36622	1,88444	1,396465566	N/A	100507173	N/A	LINC01012
A_23_P371824	13,3736	12,8919	1,396388132	ENST00000353024	7286	NM_020127	TUFT1
A_22_P00014053	7,2851	6,80344	1,396349416	ENST00000264057	8527	NM_152879	DGKD
A_24_P365365	12,4895	12,0079	1,396291345	ENST00000611869	6929	NM_003200	TCF3
A_19_P00322330	5,05352	4,57202	1,396194564	ENST00000493473	647107	N/A	LINC01192
A_21_P0012171	2,64759	2,16614	1,396146177	N/A	N/A	N/A	XLOC_I2_008991
A_21_P0004065	1,96154	1,48011	1,396126822	ENST00000511165	N/A	N/A	N/A
A_24_P108738	10,8389	10,3575	1,396097791	ENST00000623402	91179	NM_153334	SCARF2
A_33_P3259740	4,88721	4,40588	1,396030054	ENST00000616078	400661	NR_122073	LOC400661
A_19_P00315941	4,53741	4,05621	1,395904264	ENST00000615212	440993	NR_122105	LINC00969
A_24_P123347	10,7295	10,2484	1,395807511	ENST00000425339	5471	NM_002703	PPAT
A_24_P109082	8,94593	8,46491	1,395730113	ENST00000258399	57695	NM_020935	USP37
A_23_P216622	5,96649	5,48552	1,395681741	ENST00000448551	2218	NM_001079802	FKTN
A_22_P00020908	2,15784	1,67694	1,395614024	N/A	N/A	N/A	Inc-CDNF-1
A_23_P259692	14,2564	13,7755	1,395614024	ENST00000376588	29968	NM_058179	PSAT1
A_22_P00006367	2,02004	1,53917	1,395585004	ENST00000503037	102725242	N/A	LOC102725242
A_21_P0014898	6,79005	6,30928	1,395488272	N/A	N/A	N/A	N/A
A_32_P108826	7,48612	7,00543	1,395410892	ENST00000367405	360023	NM_194314	ZBTB41
A_23_P137984	16,6956	16,215	1,395323845	ENST00000368809	6281	NM_002966	S100A10
A_33_P3343573	5,64502	5,16444	1,395304501	ENST00000588598	N/A	AK090438	N/A
A_24_P330633	2,78253	2,30197	1,395285159	ENST00000355962	6898	NM_000353	TAT
A_21_P0010651	4,05441	3,57387	1,395265816	N/A	N/A	N/A	XLOC_I2_001089
A_32_P489130	6,46765	5,9874	1,394985378	ENST00000373275	254065	NM_153252	BRWD3
A_33_P3436316	10,2354	9,75519	1,394946701	ENST00000497249	171023	NM_001164603	ASXL1
A_33_P3280549	11,1996	10,7194	1,394937032	ENST00000413921	N/A	N/A	N/A
A_33_P3312549	4,54149	4,06132	1,394908026	ENST00000333235	N/A	XR_433169	N/A
A_22_P00004655	4,27583	3,79571	1,394859683	ENST00000555344	340073	NR_037895	C5orf66-AS2

A_21_P0013194	7,31698	6,83687	1,394850014	ENST00000617826	729737	NR_039983	LOC729737
A_22_P00010050	8,56066	8,08059	1,394811341	N/A	101927631	NR_110008	ADNP-AS1
A_24_P929441	2,78153	2,30148	1,394792005	N/A	100996535	XM_005275924	LOC100996535
A_21_P0006781	5,56746	5,08744	1,394763002	N/A	100507633	NR_108070	TNKS2-AS1
A_23_P129103	12,5393	12,0593	1,394743666	ENST00000316967	388152	NR_027001	GOLGA2P7
A_23_P24375	12,4516	11,9716	1,394743666	ENST00000535140	55611	NM_017670	OTUB1
A_23_P100517	9,9992	9,51925	1,394695329	ENST00000561878	124491	NM_145254	TMEM170A
A_23_P253446	5,42297	4,94311	1,394608326	ENST00000305124	2596	NM_002045	GAP43
A_33_P3331831	5,0551	4,57525	1,394598659	ENST00000612156	N/A	XM_005275740	N/A
A_21_P0010948	2,76727	2,28748	1,394540661	ENST00000456546	N/A	N/A	N/A
A_33_P3405128	5,0986	4,6189	1,394453668	ENST00000409481	N/A	N/A	N/A
A_23_P257278	9,81733	9,33763	1,394453668	ENST00000461356	51654	NM_016082	CDK5RAP1
A_33_P3350863	3,0874	2,60777	1,39438601	ENST00000221515	56729	NM_020415	RETN
A_21_P0013301	2,32531	1,84571	1,394357015	N/A	N/A	N/A	XLOC_I2_013808
A_33_P3292565	2,03209	1,55255	1,394299026	ENST00000553765	N/A	AB529249	N/A
A_33_P3531828	10,6835	10,204	1,394260369	ENST00000506436	51520	NM_020117	LARS
A_33_P3343962	6,44695	5,96748	1,394231376	N/A	100130373	XR_244171	LOC100130373
A_33_P3235360	4,64745	4,16802	1,39419272	N/A	N/A	N/A	N/A
A_33_P3420486	5,56775	5,08833	1,394183057	N/A	N/A	AK025118	N/A
A_33_P3286041	11,1148	10,6354	1,394163729	ENST00000359210	55718	NM_018119	POLR3E
A_23_P57941	9,68737	9,20808	1,394057434	ENST00000454079	10180	NM_005777	RBM6
A_21_P0009146	2,93953	2,46026	1,394038108	ENST00000511008	124871	NR_034161	FLJ40194
A_23_P96501	1,98337	1,50413	1,39400912	ENST00000395889	56159	NM_001003811	TEX11
A_33_P3294162	6,78036	6,30116	1,393970471	N/A	9512	NM_004279	PMPCB
A_23_P53668	8,64906	8,1699	1,393931822	ENST00000240055	4801	NM_006166	NFYB
A_33_P3353170	6,31075	5,83165	1,393873851	N/A	1213	BC051800	CLTC
A_21_P0009816	4,48492	4,00586	1,393835205	N/A	N/A	N/A	Inc-FOXA2-8
A_33_P3415440	10,073	9,594	1,393777239	ENST00000409947	10746	NM_006609	MAP3K2
A_23_P12079	6,25932	5,78048	1,393622672	ENST00000489935	3749	NM_001039574	KCNC4
A_21_P0012314	2,11511	1,6364	1,3934971	ENST00000624001	N/A	N/A	N/A
A_24_P85478	10,4765	9,9978	1,393487441	ENST00000563310	25820	NM_005744	ARIH1
A_22_P00023259	2,2489	1,77021	1,393477782	ENST00000465249	101929754	NR_121661	LOC101929754
A_33_P3340404	9,22562	8,74694	1,393468123	ENST00000506233	132320	NM_144643	SCLT1

A_32_P743407	8,75186	8,27329	1,393361881	ENST00000321919	84656	NM_032569	GLYR1
A_21_P0012353	2,0144	1,53583	1,393361881	ENST00000612817	N/A	N/A	N/A
A_33_P3325933	10,2644	9,78584	1,393352223	ENST00000472742	10084	NM_144495	PQBP1
A_33_P3327265	4,13443	3,65587	1,393352223	ENST00000316577	9840	NM_001136030	TESPA1
A_33_P3210223	3,85885	3,38031	1,393332907	ENST00000375948	79670	N/A	ZCCHC6
A_21_P0013885	9,3435	8,86499	1,393303934	ENST00000421819	N/A	XR_424049	N/A
A_21_P0010155	7,9842	7,50572	1,393274961	ENST00000423808	284825	NR_126011	LOC284825
A_22_P00023326	1,92347	1,44499	1,393274961	N/A	N/A	N/A	Inc-PTPN1-1
A_22_P00001117	2,89277	2,41429	1,393274961	N/A	101929654	XR_244692	LOC101929654
A_21_P0005899	2,763	2,28454	1,393255646	ENST00000523703	101927588	NR_125420	LOC101927588
A_33_P3211965	8,95221	8,47382	1,393188047	ENST00000568660	N/A	BM674043	N/A
A_23_P157527	7,79418	7,31585	1,393130107	ENST00000414626	85444	NM_033402	LRRCC1
A_24_P404487	6,73296	6,25468	1,393081825	ENST00000443905	440515	AL136548	ZNF506
A_22_P00013314	3,97346	3,49526	1,393004579	ENST00000548457	N/A	N/A	N/A
A_22_P00022015	5,91042	5,43223	1,392994923	N/A	N/A	BU754164	Inc-GPR143-1
A_24_P43723	2,88703	2,40886	1,392975612	ENST00000312891	349149	NM_181538	GJC3
A_33_P3412695	6,13253	5,65437	1,392965957	N/A	N/A	N/A	N/A
A_23_P424080	9,43374	8,95561	1,392936991	ENST00000238831	84272	NM_032312	YIPF4
A_23_P104098	4,43689	3,95881	1,392888717	ENST00000367267	127833	NM_177402	SYT2
A_23_P309779	8,5326	8,05457	1,392840444	ENST00000513269	55728	NM_018177	N4BP2
A_23_P65532	10,1222	9,64419	1,392821135	ENST00000267460	57161	NM_021255	PELI2
A_23_P2143	13,2303	12,7523	1,392811481	ENST00000610881	9789	NM_014752	SPCS2
A_24_P399694	11,369	10,8911	1,392714942	ENST00000500893	85364	NM_033089	ZCCHC3
A_23_P121506	7,94068	7,46278	1,392714942	ENST00000513898	8603	NM_003704	FAM193A
A_24_P409402	9,03454	8,55666	1,392695635	ENST00000474162	N/A	N/A	N/A
A_21_P0013858	7,54612	7,06828	1,392657021	ENST00000449645	55217	N/A	TMLHE
A_19_P00315493	7,88136	7,40356	1,392618409	N/A	145474	NR_027046	LOC145474
A_22_P00024635	3,25554	2,77787	1,392492927	N/A	N/A	N/A	Inc-ZC3H12B-3
A_23_P397480	1,91774	1,44018	1,392386759	ENST00000467409	150000	NR_003088	ABCC13
A_33_P3228499	8,47744	7,99988	1,392386759	N/A	N/A	N/A	N/A
A_33_P3255794	5,05157	4,57404	1,392357806	ENST00000536445	5426	NM_006231	POLE
A_22_P00016850	2,81091	2,33342	1,392319202	ENST00000558109	283710	NM_001243538	LOC283710
A_33_P3234939	7,37292	6,89551	1,392241997	ENST00000592292	10781	NM_006631	ZNF266



A_33_P3409392	12,4429	11,9655	1,392232347	ENST00000522566	8323	NM_003506	FZD6
A_24_P739582	4,93587	4,4586	1,3921069	ENST00000441188	N/A	N/A	N/A
A_24_P69691	6,61267	6,13543	1,392077952	ENST00000374633	219749	NM_145011	ZNF25
A_33_P3357490	2,75997	2,28277	1,392039356	ENST00000378803	344387	NM_001009565	CDKL4
A_19_P00321187	6,09887	5,6217	1,39201041	ENST00000556890	728755	XR_110268	LOC728755
A_24_P244952	10,4756	9,99844	1,392000761	ENST00000446231	23049	NM_015092	SMG1
A_24_P820037	3,67209	3,19496	1,391971816	ENST00000331565	388662	NM_001010898	SLC6A17
A_23_P47839	10,2387	9,76165	1,39189463	ENST00000238146	57696	NM_020936	DDX55
A_22_P00016486	2,23734	1,76031	1,391875335	ENST00000578466	N/A	N/A	N/A
A_23_P115223	13,7567	13,2798	1,39174992	ENST00000457918	10456	NM_006118	HAX1
A_24_P787897	2,27067	1,7938	1,391720979	ENST00000261381	64131	NM_022166	XYLT1
A_21_P0010051	5,58791	5,11108	1,391682393	N/A	N/A	N/A	Inc-PREX1-3
A_32_P180315	3,89706	3,42027	1,391643808	ENST00000529487	100499483	NM_020893	CCDC180
A_21_P0000676	7,16029	6,68355	1,391595578	N/A	400512	N/A	FLJ21408
A_23_P122041	11,6587	11,182	1,391556996	ENST00000481195	5515	NM_002715	PPP2CA
A_33_P3330468	10,646	10,1694	1,391460544	ENST00000372487	55285	NM_001171080	RBM41
A_24_P84401	4,34036	3,86377	1,391450899	ENST00000527217	29104	N/A	N6AMT1
A_22_P00015864	8,54949	8,07291	1,391441254	N/A	100129075	NR_027123	KTN1-AS1
A_23_P142849	12,7547	12,2782	1,391364098	ENST00000375734	390	NM_005168	RND3
A_24_P944458	9,81145	9,33514	1,39118087	ENST00000471186	51141	NM_016133	INSIG2
A_33_P7280795	4,17993	3,70364	1,391161585	N/A	N/A	AF400500	Inc-SNURF-3
A_23_P60101	9,28822	8,81204	1,391055518	ENST00000330143	79943	NM_030895	ZNF696
A_21_P0014261	8,23423	7,75813	1,390978384	N/A	102723539	XR_424215	LOC102723539
A_22_P00024772	4,1812	3,70513	1,390949459	ENST00000457668	N/A	N/A	N/A
A_33_P3222664	9,21713	8,74108	1,390930177	N/A	N/A	N/A	N/A
A_23_P63190	10,2033	9,72729	1,390891613	ENST00000369535	4893	NM_002524	NRAS
A_33_P3404336	6,82673	6,35076	1,390853049	N/A	N/A	AK130766	N/A
A_33_P3494875	8,64001	8,16405	1,390843409	N/A	N/A	N/A	Inc-AC016745.1-2
A_22_P00017513	4,6878	4,21198	1,390708447	N/A	N/A	N/A	Inc-WDFY2-1
A_33_P3593546	13,43	12,9542	1,390689168	ENST00000553942	4140	NM_001128918	MARK3
A_33_P3255194	4,09546	3,61986	1,390496391	ENST00000315022	114880	NM_001201482	OSBPL6
A_33_P3358521	7,66772	7,19216	1,390457839	ENST00000545243	57589	NM_020829	RIC1
A_33_P3714482	5,47651	5,00096	1,390448201	ENST00000468442	91355	NM_001135772	LRP5L

A_23_P417200	8,8386	8,36307	1,390428925	ENST00000254942	7014	NM_005652	TERF2
A_22_P00006385	1,93084	1,45532	1,390419287	N/A	N/A	CA396498	Inc-FBN2-6
A_33_P3274768	7,17522	6,69974	1,390380737	N/A	100132790	AK128756	LOC100132790
A_21_P0000163	6,14774	5,67233	1,390313277	ENST00000453464	401934	NM_001205252	RNF223
A_22_P00011991	2,21167	1,73638	1,390197639	N/A	N/A	BE710008	Inc-PLAU-1
A_23_P163113	9,29686	8,82158	1,390188003	ENST00000554785	55015	NM_017922	PRPF39
A_23_P379794	8,53404	8,05879	1,390159095	ENST00000614443	284098	NM_178517	PIGW
A_22_P00006568	2,02343	1,54822	1,390120552	ENST00000560363	100131315	NR_109767	LOC100131315
A_33_P3303136	14,07	13,5948	1,390110917	ENST00000616722	5269	NM_001195291	SERPINB6
A_21_P0010871	7,18383	6,70866	1,390082011	ENST00000580094	399761	N/A	BMS1P5
A_33_P8975387	3,56342	3,0883	1,390033835	ENST00000494761	101927346	XR_245076	LOC101927346
A_24_P382026	8,65121	8,17614	1,389985661	ENST00000581777	57409	NM_020679	MIF4GD
A_33_P3261246	8,78377	8,3087	1,389985661	ENST00000274242	6167	NM_000997	RPL37
A_33_P3249185	10,7123	10,2374	1,389821881	ENST00000373236	56681	N/A	SAR1A
A_22_P00025117	4,10008	3,62518	1,389821881	ENST00000455399	100873065	N/A	PTCHD1-AS
A_33_P3396877	11,0352	10,5603	1,389821881	ENST00000441850	10557	NM_183005	RPP38
A_33_P3422888	4,86861	4,39376	1,389773715	ENST00000409552	23274	NM_001243403	CLEC16A
A_22_P00017327	2,61541	2,14058	1,389754448	N/A	N/A	BG207573	Inc-USP35-3
A_23_P302207	2,24183	1,76704	1,389715917	ENST00000457543	54753	NM_017560	ZNF853
A_21_P0010970	3,14922	2,67449	1,389658121	N/A	N/A	N/A	XLLOC_I2_002281
A_23_P258418	9,94948	9,47511	1,389311399	ENST00000505186	79155	NM_024309	TNIP2
A_24_P305678	13,3916	12,9173	1,389243991	ENST00000320996	23760	NM_012399	PITPNB
A_23_P387630	3,4018	2,92754	1,389205473	ENST00000374597	9754	NM_014725	STARD8
A_21_P0000482	10,0978	9,62356	1,389186215	N/A	26774	NR_003940	SNORD80
A_24_P66125	11,9659	11,4917	1,389147699	ENST00000371160	10735	NM_001042749	STAG2
A_23_P88184	6,82087	6,34671	1,389109184	ENST00000298896	55727	NM_018167	BTBD7
A_23_P16538	9,38309	8,90904	1,389003274	ENST00000594635	8178	NM_006532	ELL
A_24_P170395	2,19449	1,72048	1,388964763	ENST00000332359	N/A	N/A	N/A
A_23_P143774	2,28205	1,80806	1,388945508	ENST00000545383	54456	NM_018995	MOV10L1
A_23_P89327	5,91948	5,44555	1,388887745	ENST00000421016	57335	NM_020652	ZNF286A
A_23_P163258	11,7249	11,251	1,388858864	ENST00000566831	56965	NM_020214	PARP6
A_23_P122007	11,0302	10,5563	1,388858864	ENST00000510890	90355	NM_033211	C5orf30
A_33_P3298349	3,75797	3,28411	1,388820357	ENST00000397067	116969	NM_001297668	ART5

A_21_P0014381	3,13926	2,6655	1,388724095	N/A	1891	BC014786	ECH1
A_33_P3333677	4,83425	4,36051	1,388704843	N/A	N/A	N/A	N/A
A_24_P932416	3,84727	3,37365	1,388589339	ENST00000408960	645843	NM_001123228	TMEM14E
A_24_P309594	11,9177	11,4441	1,388570089	ENST00000442892	55652	NM_017842	SLC48A1
A_21_P0000147	10,311	9,83753	1,388444972	ENST00000504780	5238	NM_001199919	PGM3
A_21_P0000333	5,32549	4,85206	1,388406476	N/A	677827	NR_002978	SNORA46
A_33_P3221134	4,56975	4,09639	1,388339112	N/A	N/A	N/A	N/A
A_33_P3385477	13,7894	13,3161	1,388281374	ENST00000474481	83858	NM_031921	ATAD3B
A_24_P349002	10,6649	10,1916	1,388281374	ENST00000615331	9883	NM_172020	POM121
A_24_P287691	11,1551	10,6818	1,388281374	ENST00000398333	10239	NM_005829	AP3S2
A_33_P3351180	2,47633	2,00306	1,388252506	ENST00000390547	N/A	S55735	N/A
A_33_P3243787	6,9748	6,50163	1,388156283	ENST00000399429	340267	NM_001037763	COL28A1
A_33_P3259615	3,83774	3,3646	1,388127417	ENST00000302783	143941	NM_001080441	TTC36
A_23_P83073	11,4154	10,9423	1,388088931	ENST00000428393	84641	NM_032558	HIATL1
A_23_P72537	12,4148	11,9417	1,388088931	ENST00000287295	9131	NM_004208	AIFM1
A_33_P3304293	8,14932	7,67626	1,388050445	ENST00000394477	10735	NM_001042751	STAG2
A_22_P00017042	3,69407	3,2211	1,387963857	ENST00000420549	N/A	N/A	N/A
A_21_P0002104	2,79762	2,32471	1,387906134	N/A	N/A	N/A	Inc-FAM168B-1
A_23_P150510	12,476	12,0031	1,387896514	ENST00000337672	219541	NM_153450	MED19
A_23_P27947	11,6782	11,2053	1,387896514	ENST00000587385	84306	NM_032346	PDCD2L
A_23_P166508	5,62033	5,14743	1,387896514	ENST00000424852	102723775	NR_120595	LINC01315
A_23_P406521	1,93837	1,46547	1,387896514	ENST00000381623	128646	NM_178460	SIRPD
A_23_P16469	10,667	10,1941	1,387896514	ENST00000598875	5329	NM_001005377	PLAUR
A_33_P3255001	2,16885	1,69598	1,387867654	ENST00000432505	152024	NR_026834	LINC00691
A_22_P00025502	4,43186	3,95903	1,387829175	N/A	N/A	N/A	Inc-C8orf42-1
A_24_P358619	7,5011	7,02828	1,387819555	ENST00000397104	7652	NM_001080409	ZNF99
A_24_P236799	11,7208	11,248	1,387800316	ENST00000578921	11031	NM_006868	RAB31
A_24_P259276	11,0621	10,5893	1,387800316	ENST00000310442	254359	NM_207340	ZDHHC24
A_22_P00014305	6,25118	5,77838	1,387800316	N/A	101929212	NR_104064	SMIM2-AS1
A_33_P3400699	5,90877	5,43608	1,387694505	ENST00000339444	375611	NM_206883	SLC26A5
A_33_P3248610	4,3023	3,82962	1,387684887	ENST00000404843	55252	NM_018263	ASXL2
A_23_P201211	2,27919	1,80652	1,387675268	ENST00000461387	83416	NM_031281	FCRL5
A_24_P115529	2,04284	1,57017	1,387675268	N/A	51145	NR_122032	LOC51145

A_23_P134395	12,2963	11,8237	1,387607939	ENST00000610724	26608	NM_012453	TBL2
A_22_P00014550	6,0509	5,57832	1,387588703	N/A	N/A	N/A	Inc-SIRT5-1
A_21_P0000366	9,07384	8,60129	1,387559849	N/A	692058	NR_003031	SNORD11
A_21_P0005637	2,36323	1,89072	1,387521378	N/A	N/A	N/A	Inc-MBOAT4-2
A_23_P111811	10,2394	9,76696	1,387454057	ENST00000427726	54556	NM_019071	ING3
A_21_P0012658	5,5209	5,0485	1,387415589	N/A	N/A	N/A	XLOC_I2_011048
A_33_P3251640	4,56013	4,08774	1,387405972	N/A	284440	N/A	LINC00663
A_33_P6518002	7,66277	7,19043	1,387357889	ENST00000446449	1385	NM_134442	CREB1
A_23_P215198	11,4333	10,961	1,387319424	ENST00000361660	55253	NM_018264	TYW1
A_22_P00023963	2,35921	1,88693	1,387300192	N/A	N/A	N/A	Inc-CCDC90A-6
A_32_P128258	2,39026	1,91798	1,387300192	ENST00000611992	284367	AF161341	SIGLEC17P
A_33_P3373163	2,53105	2,05881	1,387261728	ENST00000482495	N/A	N/A	N/A
A_23_P54179	12,2995	11,8273	1,387223266	ENST00000556551	57862	NM_021188	ZNF410
A_33_P3292919	12,3652	11,8932	1,387030969	ENST00000445265	6949	NM_001135243	TCOF1
A_32_P170003	9,85033	9,3784	1,386963672	ENST00000391993	26146	NM_015650	TRAF3IP1
A_22_P00022122	2,1021	1,63029	1,386848312	N/A	N/A	BG207970	Inc-IBTK-3
A_23_P28772	13,5724	13,1008	1,386646456	ENST00000372712	55861	NM_001048226	DBNDD2
A_23_P37942	3,80885	3,33726	1,386636844	ENST00000328796	9074	NM_021195	CLDN6
A_22_P00019947	3,87992	3,40834	1,386627233	ENST00000512185	N/A	XR_251865	N/A
A_22_P00015624	4,03621	3,56464	1,386617622	N/A	101929759	XR_242480	LOC101929759
A_33_P3361422	8,15507	7,68352	1,386598399	ENST00000494263	1593	NM_000784	CYP27A1
A_23_P130743	2,48756	2,01601	1,386598399	ENST00000221498	27120	NM_014419	DKKL1
A_19_P00804979	4,47473	4,00318	1,386598399	N/A	9866	XM_006718397	TRIM66
A_23_P122815	11,3506	10,8791	1,386550344	ENST00000449187	813	NM_001219	CALU
A_21_P0010648	6,12156	5,65011	1,386502291	N/A	N/A	N/A	XLOC_I2_001086
A_32_P216520	1,95093	1,47956	1,386425409	ENST00000286574	11197	NM_007191	WIF1
A_33_P3239839	11,8134	11,3422	1,386262049	N/A	80028	NM_024963	FBXL18
A_23_P103070	11,2767	10,8055	1,386262049	ENST00000248975	7533	NM_003405	YWHAH
A_33_P3240018	7,67582	7,20468	1,386204397	ENST00000282096	5140	NM_000922	PDE3B
A_23_P167040	12,0443	11,5732	1,386165964	ENST00000316218	10954	NM_006810	PDIA5
A_23_P363647	10,6312	10,1601	1,386165964	ENST00000493637	203522	NM_182540	DDX26B
A_33_P3354881	7,13008	6,65908	1,386069886	N/A	100506753	NR_126339	LOC100506753
A_33_P3355281	6,5614	6,09043	1,386041063	ENST00000395733	55586	NM_017584	MIOX

A_22_P00001570	3,37672	2,90579	1,386002635	ENST00000443947	N/A	N/A	N/A
A_24_P818529	5,15664	4,68582	1,385896961	ENST00000454281	N/A	Z48511	N/A
A_24_P887857	15,4014	14,9306	1,385877749	ENST00000420566	N/A	N/A	N/A
A_23_P163955	11,5502	11,0795	1,38578169	ENST00000472446	10400	NM_007169	PEMT
A_22_P00006254	2,54965	2,07903	1,385704849	ENST00000606385	9750	NM_001286446	FAM65B
A_23_P3963	11,0313	10,5607	1,385685639	ENST00000337231	30850	NM_014603	CDR2L
A_22_P00006912	5,57337	5,10282	1,385637615	N/A	N/A	N/A	Inc-GAS2L2-1
A_21_P0011816	5,56662	5,09612	1,385589594	ENST00000625078	3321	NM_001007237	IGSF3
A_22_P00024636	2,11444	1,64404	1,385493555	N/A	N/A	BC067356	Inc-PTPN23-1
A_24_P274615	7,84359	7,37321	1,385474348	ENST00000265138	57561	NM_020801	ARRDC3
A_21_P0014790	4,19809	3,72777	1,385416729	N/A	N/A	N/A	N/A
A_33_P3320748	11,4422	10,9719	1,385397523	ENST00000343376	112812	NM_001031734	FDX1L
A_33_P3225313	6,21581	5,74555	1,385359113	ENST00000519721	157769	NM_144963	FAM91A1
A_21_P0005681	1,98585	1,51565	1,385301498	N/A	N/A	N/A	Inc-WRN-4
A_21_P0004696	13,4021	12,9319	1,385301498	N/A	N/A	N/A	Inc-TULP4-1
A_33_P3247838	6,53294	6,0628	1,385243886	ENST00000439326	284391	NM_001136501	ZNF844
A_33_P3296372	11,4461	10,976	1,38520548	ENST00000360403	8891	NM_020365	EIF2B3
A_22_P00012501	7,1467	6,67666	1,385147872	N/A	654433	NR_015377	PAX8-AS1
A_21_P0007565	2,09158	1,62161	1,385080666	ENST00000548617	N/A	N/A	N/A
A_22_P00001899	2,4059	1,93597	1,385042264	N/A	100874246	NR_046748	ARHGAP31-AS1
A_24_P40721	7,69045	7,22057	1,384994263	ENST00000450297	55304	NM_018327	SPTLC3
A_21_P0004402	7,98705	7,51719	1,384975063	N/A	N/A	N/A	Inc-C5orf43-3
A_22_P00013714	3,85488	3,38503	1,384965463	ENST00000558369	283673	NR_026949	EWSAT1
A_23_P117683	13,533	13,0635	1,384629509	ENST00000620261	25764	NM_016400	HYPK
A_23_P59677	10,7166	10,2471	1,384629509	ENST00000497979	60561	NM_021930	RINT1
A_33_P3251841	5,14366	4,67421	1,384581522	ENST00000310045	92126	NM_032160	DSEL
A_22_P00013165	5,77398	5,30456	1,384552731	ENST00000580863	54941	NM_017831	RNF125
A_23_P111865	7,83932	7,36991	1,384543134	ENST00000292450	7589	NM_145914	ZSCAN21
A_33_P3260021	6,17019	5,70078	1,384543134	N/A	N/A	N/A	N/A
A_21_P0012301	4,43106	3,96175	1,384447168	ENST00000433633	N/A	N/A	N/A
A_33_P3403867	10,8227	10,3534	1,384437572	ENST00000395814	56937	NM_020182	PMEPA1
A_22_P00004833	2,15459	1,68533	1,384399188	N/A	N/A	N/A	Inc-CYB561D2-1
A_23_P376759	10,3908	9,92165	1,384293636	ENST00000272444	8446	NM_003584	DUSP11

A_23_P328642	2,53663	2,06753	1,384245661	ENST00000439802	151254	NM_152525	ALS2CR11
A_22_P00009695	4,16687	3,69778	1,384236066	ENST00000443504	N/A	N/A	N/A
A_21_P0006971	4,85231	4,38327	1,384188093	N/A	N/A	N/A	Inc-C10orf31-7
A_23_P206760	9,79729	9,32827	1,384168905	ENST00000566821	3240	NM_005143	HP
A_33_P3251518	4,79413	4,32513	1,384149716	ENST00000467298	N/A	AK001508	N/A
A_19_P00319095	16,3509	15,8819	1,384149716	ENST00000623001	387066	NR_003038	SNHG5
A_22_P00017851	4,98204	4,51319	1,384005811	N/A	N/A	BM918748	Inc-ZCCHC7-3
A_22_P00010236	4,39605	3,92722	1,383986624	ENST00000569778	N/A	N/A	N/A
A_33_P3349469	14,2429	13,7741	1,383957845	ENST00000378755	55210	NM_018188	ATAD3A
A_33_P3359748	7,61866	7,14987	1,383948253	ENST00000369923	6301	XM_006710813	SARS
A_33_P3226135	6,90711	6,43836	1,383909882	N/A	N/A	N/A	N/A
A_23_P417113	10,3733	9,90461	1,383852328	ENST00000287912	155435	BC011923	RBM33
A_33_P3262452	8,24633	7,77782	1,38367968	ENST00000399744	55670	NM_001127649	PEX26
A_21_P0001406	2,04657	1,57816	1,383583774	N/A	N/A	N/A	Inc-BTG2-2
A_21_P0012445	5,84701	5,37863	1,383555004	N/A	N/A	N/A	XLOC_I2_010239
A_22_P00002009	2,44771	1,97941	1,383478285	ENST00000428415	101929374	N/A	LOC101929374
A_21_P0006323	4,1947	3,72654	1,383344038	N/A	N/A	N/A	Inc-TRUB2-2
A_21_P0011458	8,21027	7,7422	1,383257743	N/A	N/A	N/A	XLOC_I2_005415
A_21_P0006248	2,27494	1,80689	1,383238568	N/A	N/A	N/A	Inc-C9orf66-5
A_33_P3273906	4,87434	4,40633	1,383200217	ENST00000320891	390264	NM_001004462	OR10G4
A_23_P71300	9,79254	9,32462	1,383113931	ENST00000520486	55246	NM_018246	CCDC25
A_19_P00316423	12,8673	12,3994	1,383094757	N/A	N/A	AI421806	N/A
A_21_P0010154	6,28006	5,81219	1,383065997	ENST00000458316	284825	N/A	LOC284825
A_21_P0012526	3,28857	2,82072	1,383046823	N/A	N/A	N/A	Inc-MUC20-2
A_33_P3264746	11,5149	11,0471	1,382998891	N/A	N/A	N/A	N/A
A_33_P3396553	7,68135	7,21357	1,382979719	N/A	N/A	N/A	N/A
A_23_P15202	10,0096	9,54184	1,382960547	ENST00000571392	1723	NM_001361	DHODH
A_21_P0009406	5,62525	5,15749	1,382960547	N/A	N/A	N/A	Inc-NR1D1-1
A_33_P3250253	6,01395	5,54634	1,382816765	N/A	100131150	AK096194	LOC100131150
A_33_P3349774	6,15582	5,68821	1,382816765	ENST00000279069	149986	NM_144703	LSM14B
A_23_P65217	10,5428	10,0752	1,38280718	ENST00000261296	23483	NM_014305	TGDS
A_23_P360268	2,12104	1,6535	1,382749672	N/A	158696	NR_026935	LINC00889
A_23_P425324	2,26865	1,80112	1,382740088	N/A	64396	NR_003281	GMCL1P1

A_33_P3243717	7,08367	6,61614	1,382740088	ENST00000395867	57209	NM_021045	ZNF248
A_33_P3388865	5,43156	4,96415	1,382625079	ENST00000361484	376132	BC106893	LRRC10
A_23_P106741	14,2319	13,7646	1,382519664	ENST00000219313	5713	NM_002811	PSMD7
A_23_P304991	10,7816	10,3144	1,382423838	ENST00000399120	3141	NM_000411	HLCS
A_23_P14493	11,3247	10,8576	1,382328019	ENST00000298292	55172	NM_018139	DNAAF2
A_21_P0005534	5,17367	4,70667	1,382232207	N/A	N/A	N/A	Inc-MRPS33-1
A_23_P44295	10,9414	10,4744	1,382232207	ENST00000480013	23122	NM_015097	CLASP2
A_21_P0011492	5,37625	4,9094	1,3820885	N/A	146429	N/A	SLC22A31
A_22_P00010305	7,02884	6,56232	1,3817724	N/A	N/A	N/A	Inc-MTX1-1
A_33_P3353125	10,0849	9,6184	1,381753244	N/A	N/A	BC018676	N/A
A_23_P168828	11,5497	11,0833	1,381657472	ENST00000285407	7071	NM_005655	KLF10
A_23_P19754	7,65046	7,18415	1,381571282	ENST00000222482	51200	NM_016352	CPA4
A_33_P3272080	9,14945	8,68315	1,381561706	ENST00000623824	347148	CV575364	QRFP
A_24_P29594	2,24775	1,78158	1,38143722	ENST00000367837	10767	NM_006620	HBS1L
A_32_P107617	5,33316	4,86699	1,38143722	ENST00000372292	6441	NM_003019	SFTPD
A_33_P3259183	5,30736	4,84123	1,381398919	ENST00000338353	149297	NM_001017961	FAM78B
A_21_P0011671	5,94026	5,47426	1,381274448	N/A	N/A	N/A	XLOC_I2_006578
A_23_P208334	4,83156	4,36558	1,3812553	ENST00000589073	5141	NM_006202	PDE4A
A_33_P3363395	3,56063	3,09467	1,381236152	ENST00000458136	N/A	BC018064	N/A
A_33_P3242039	6,69782	6,23243	1,380690541	N/A	N/A	N/A	N/A
A_33_P3226105	5,60549	5,1401	1,380690541	N/A	N/A	N/A	N/A
A_33_P3254751	5,93913	5,47382	1,380613982	ENST00000483353	30815	AK124217	ST6GALNAC6
A_21_P0005586	3,36224	2,89698	1,380566134	N/A	N/A	N/A	Inc-AC008060.7.1-3
A_23_P340308	5,50742	5,04216	1,380566134	ENST00000390673	259294	NM_176888	TAS2R19
A_23_P86653	11,5047	11,0395	1,380508719	ENST00000462445	5552	NM_002727	SRGN
A_33_P3371142	2,90579	2,44062	1,380480013	ENST00000416620	N/A	N/A	N/A
A_21_P0002027	1,97566	1,51054	1,38043217	N/A	N/A	N/A	Inc-LAPTM4A-1
A_22_P00001996	2,11794	1,65289	1,380365192	N/A	100873917	NR_046623	LPP-AS1
A_33_P3257784	5,60493	5,1399	1,380346057	ENST00000503030	26262	NM_012171	TSPAN17
A_33_P3349325	7,29932	6,83429	1,380346057	ENST00000508274	9364	NM_001017979	RAB28
A_22_P00001786	1,97748	1,51246	1,380336489	N/A	N/A	N/A	Inc-ATP2C2-1
A_33_P3245987	3,24382	2,7788	1,380336489	ENST00000504759	N/A	N/A	N/A
A_23_P313278	3,63646	3,17145	1,380326921	N/A	4584	AB038784	MUC3A

A_23_P132856	2,28778	1,82285	1,380250382	ENST00000328557	375387	NM_198565	NRROS
A_22_P00017452	2,63741	2,17254	1,38019298	ENST00000557745	N/A	BM807759	N/A
A_33_P3332860	9,61934	9,15453	1,38013558	ENST00000359617	8675	NM_001001433	STX16
A_33_P3318631	2,09764	1,63288	1,380087749	ENST00000355273	79310	NM_001005482	OR5H2
A_32_P76853	10,403	9,93825	1,380078183	ENST00000611771	101059918	NM_001282484	GOLGA8R
A_21_P0002999	3,00377	2,53906	1,38003992	N/A	N/A	N/A	Inc-CRYBG3-1
A_21_P0009930	3,36957	2,90489	1,380011223	N/A	102724622	XR_425231	LOC102724622
A_24_P363278	4,92558	4,46093	1,379982527	ENST00000354489	4117	NM_005906	MAK
A_23_P160226	6,30423	5,83973	1,379839055	ENST00000421030	374977	NM_001039464	MROH7
A_23_P330419	4,88781	4,42343	1,379724288	ENST00000270593	93650	NM_033068	ACPT
A_22_P00010467	4,45268	3,9883	1,379724288	ENST00000445161	100506126	NR_108045	LINC00867
A_24_P373844	8,88045	8,41614	1,379657345	ENST00000284006	79047	NM_024076	KCTD15
A_33_P3296577	9,69215	9,22791	1,379590405	ENST00000357304	84726	NM_013318	PRRC2B
A_23_P418031	13,0128	12,5486	1,379552155	ENST00000455833	126917	NM_001136265	IFFO2
A_21_P0011382	7,76072	7,29663	1,379446974	ENST00000354771	388165	XM_006720536	UBE2Q2P1
A_22_P00011896	5,14577	4,68176	1,379370483	N/A	100874330	NR_046786	LINC01014
A_23_P120973	7,04293	6,57899	1,379303557	ENST00000487732	55007	NM_017911	FAM118A
A_33_P3235132	7,12051	6,65661	1,379265315	ENST00000412149	N/A	AK127783	N/A
A_33_P3273409	12,36	11,8961	1,379265315	ENST00000409648	79939	NM_024881	SLC35E1
A_22_P00008601	9,55061	9,08673	1,379246195	ENST00000452643	23081	NM_001146696	KDM4C
A_33_P3304511	2,85129	2,38743	1,379227074	ENST00000272452	27233	NM_006588	SULT1C4
A_33_P3424467	8,12409	7,66024	1,379217514	ENST00000366513	163882	NM_152609	CNST
A_23_P159406	13,8129	13,3491	1,379169715	ENST00000307098	6699	NM_003125	SPRR1B
A_33_P3309924	3,64552	3,18174	1,379150596	ENST00000519065	3066	NM_001527	HDAC2
A_33_P3240234	2,92573	2,46204	1,379064563	N/A	N/A	N/A	N/A
A_23_P131789	1,98263	1,51906	1,37894986	ENST00000489102	671	NM_001725	BPI
A_24_P120115	8,0059	7,54237	1,378911628	ENST00000340870	8837	NM_003879	CFLAR
A_19_P00813352	6,89038	6,42687	1,378892512	N/A	N/A	N/A	Inc-DYM-1
A_23_P95923	8,01318	7,54976	1,378806495	ENST00000293648	54811	NM_017656	ZNF562
A_21_P0014897	2,75102	2,28762	1,378787381	N/A	N/A	N/A	N/A
A_33_P3358898	3,631	3,16764	1,378749153	ENST00000389623	284297	NM_001144950	SSC5D
A_24_P418408	10,7737	10,3105	1,378596254	ENST00000494111	375061	NM_198552	FAM89A
A_21_P0006599	2,38314	1,91994	1,378596254	N/A	N/A	N/A	Inc-ZFY-2



A_23_P104109	8,57029	8,10718	1,378510255	ENST00000543470	26750	NM_012424	RPS6KC1
A_22_P00002797	1,96049	1,49741	1,37848159	N/A	N/A	N/A	Inc-C2orf40-1
A_24_P340853	4,97474	4,51191	1,378242738	ENST00000527262	84875	NM_032789	PARP10
A_22_P00019529	5,50016	5,03735	1,378223632	ENST00000427591	102724096	NR_125874	LOC102724096
A_33_P6814367	6,5488	6,08608	1,378137656	N/A	654433	NR_047570	PAX8-AS1
A_32_P103837	11,7321	11,2694	1,378118551	ENST00000617411	58516	NM_021238	FAM60A
A_33_P3479066	4,77333	4,31065	1,378099447	N/A	N/A	N/A	N/A
A_23_P209246	8,27208	7,80952	1,377984825	ENST00000361492	2736	NM_005270	GLI2
A_21_P0011175	4,92505	4,46253	1,377946619	ENST00000345795	113201	NM_138423	CASC4
A_33_P3257728	5,79101	5,32851	1,377927517	ENST00000266542	51279	NM_001297642	C1RL
A_23_P216596	8,55426	8,09178	1,377908415	ENST00000374469	79987	NM_153366	SVEP1
A_33_P3421913	3,53989	3,07747	1,377851111	ENST00000621709	23705	NM_001301043	CADM1
A_22_P00003497	6,25612	5,79376	1,377793808	N/A	N/A	BG205572	Inc-CCDC90B-1
A_23_P369654	2,19138	1,72902	1,377793808	ENST00000401432	22979	AB023170	EFR3B
A_33_P3405904	8,48545	8,02309	1,377793808	N/A	N/A	N/A	N/A
A_33_P3215198	2,30106	1,83871	1,377784258	N/A	129607	NM_001256477	CMPK2
A_22_P00002485	2,56612	2,10383	1,377726959	N/A	N/A	AL531532	Inc-C16orf13-2
A_33_P3364696	10,5351	10,073	1,377545527	ENST00000409707	10617	NM_213622	STAMBP
A_21_P0001616	3,27257	2,81051	1,377507334	N/A	N/A	N/A	Inc-C1orf133-1
A_24_P56052	11,3715	10,9095	1,377450046	ENST00000389919	80829	NM_053023	ZFP91
A_22_P00000429	5,97642	5,51446	1,377411856	N/A	N/A	AK123300	Inc-AC073343.1-1
A_24_P148151	8,58028	8,11834	1,377392761	ENST00000475168	7257	NM_005999	TSNAX
A_22_P00004182	6,54563	6,08379	1,377297291	ENST00000522769	N/A	BX093040	N/A
A_23_P150080	11,7455	11,2837	1,377259104	ENST00000378203	10557	NM_183005	RPP38
A_21_P0009260	1,94572	1,48392	1,377259104	N/A	N/A	N/A	Inc-PCTP-1
A_23_P21734	11,6568	11,195	1,377259104	ENST00000380818	102157402	NM_001015891	AK6
A_21_P0004718	4,80147	4,33969	1,377240012	ENST00000397717	4835	NM_001290221	NQO2
A_22_P00001704	1,95127	1,48952	1,377211373	N/A	N/A	N/A	Inc-ATF7IP2-2
A_23_P101564	2,32426	1,86259	1,377135006	ENST00000222157	26291	NM_019113	FGF21
A_24_P202717	11,6524	11,1908	1,377068189	ENST00000586497	55111	NM_018049	PLEKHJ1
A_33_P3212360	1,95979	1,49821	1,377049099	N/A	642968	XR_428533	FAM163B
A_33_P3211443	9,66747	9,20589	1,377049099	ENST00000455305	23507	NM_015350	LRR8B
A_22_P00006229	5,48472	5,0233	1,376896388	ENST00000466692	100507054	XR_108535	LOC100507054

A_21_P0012682	2,22831	1,7669	1,376886844	N/A	N/A	N/A	XLOC_I2_011281
A_23_P169278	8,87931	8,41791	1,3768773	ENST00000357081	23287	NM_015239	AGTPBP1
A_21_P0000447	2,01562	1,55428	1,376820039	N/A	100033423	NR_003326	SNORD116-11
A_21_P0001136	2,59264	2,13131	1,376810495	N/A	N/A	N/A	Inc-JUN-4
A_21_P0007547	7,72471	7,26339	1,376800952	N/A	100288798	XR_171951	LOC100288798
A_23_P151565	11,6777	11,2164	1,376781866	ENST00000554259	253959	NM_014990	RALGAPA1
A_22_P00006564	2,58354	2,12233	1,37669598	N/A	100379174	NR_072988	MACROD2-AS1
A_24_P66932	6,74462	6,28342	1,376686438	ENST00000515639	729080	NR_033244	LOC729080
A_23_P154806	15,102	14,6408	1,376686438	ENST00000202028	2036	NM_012156	EPB41L1
A_21_P0014763	6,42571	5,96455	1,376648268	N/A	N/A	N/A	N/A
A_33_P3383326	8,50901	8,04788	1,376619642	ENST00000374430	1902	NM_057159	LPAR1
A_23_P116280	1,9065	1,44539	1,376600558	ENST00000448076	7490	NM_024426	WT1
A_33_P3294297	13,029	12,5679	1,376591016	ENST00000567452	55658	NM_194460	RNF126
A_23_P140738	11,9095	11,4485	1,376495602	ENST00000327397	9780	NM_001142864	PIEZO1
A_33_P3404014	4,83958	4,37867	1,376409734	ENST00000371325	388799	NM_001013646	FAM209B
A_23_P211957	12,7085	12,2476	1,376400193	ENST00000295754	7048	NM_001024847	TGFBR2
A_33_P3382513	13,6712	13,2103	1,376400193	ENST00000561734	113000	NM_058192	RPUSD1
A_23_P77401	4,81484	4,35395	1,376390653	ENST00000433677	55313	NM_018340	CPPED1
A_22_P00014438	2,27087	1,80998	1,376390653	N/A	N/A	AA213559	Inc-SH2B3-1
A_23_P59418	6,74696	6,28609	1,376371572	ENST00000223190	4899	NM_005011	NRF1
A_21_P0001460	2,12869	1,66782	1,376371572	N/A	440556	NR_015440	LINC00982
A_24_P223163	5,31514	4,85432	1,376323872	ENST00000422287	92345	NM_138386	NAF1
A_33_P3246293	5,06336	4,60256	1,376304792	ENST00000367822	10767	NM_001145207	HBS1L
A_24_P323754	3,15204	2,69125	1,376295252	ENST00000313031	N/A	AF052121	N/A
A_21_P0011211	2,86667	2,4059	1,376276173	N/A	N/A	N/A	Inc-TPTE2-2
A_22_P00013487	4,22437	3,76361	1,376266633	N/A	N/A	BX402762	Inc-RP11-334E6.3.1-2
A_21_P0011296	4,07893	3,61821	1,376228476	N/A	N/A	N/A	XLOC_I2_004594
A_21_P0014643	4,46229	4,00157	1,376228476	N/A	100507420	NR_121620	LOC100507420
A_23_P210939	15,6917	15,231	1,376209397	ENST00000374450	3692	NM_181468	EIF6
A_22_P00005665	5,04497	4,58432	1,376161702	N/A	101927917	NR_120537	TUB-AS1
A_21_P0010560	2,80996	2,34933	1,376142625	N/A	N/A	N/A	XLOC_I2_000423
A_23_P129358	10,0738	9,61319	1,376123547	ENST00000422445	79918	NM_024860	SETD6
A_22_P00003078	2,05258	1,59206	1,376037703	N/A	N/A	N/A	Inc-C8orf48-3

A_23_P214876	10,8392	10,3787	1,376018627	ENST00000341776	3720	NM_004973	JARID2
A_21_P0009819	3,15589	2,69543	1,375980476	N/A	N/A	N/A	Inc-VSX1-1
A_33_P3398922	11,7191	11,2587	1,375923252	ENST00000590208	4152	NM_001204142	MBD1
A_22_P00004005	3,83879	3,3784	1,375913715	N/A	N/A	N/A	Inc-CHMP1A-2
A_22_P00024836	3,0876	2,62722	1,375904178	N/A	N/A	BX092012	Inc-CSRP1-1
A_23_P50276	4,7188	4,25852	1,375808811	ENST00000253109	83854	NM_031917	ANGPTL6
A_23_P151471	13,0144	12,5542	1,375732522	ENST00000375441	8451	NM_001008895	CUL4A
A_33_P3881812	2,41541	1,95526	1,375684844	ENST00000520549	345611	BC038539	IRGM
A_24_P105564	10,6634	10,2033	1,375637167	ENST00000254101	5565	NM_005399	PRKAB2
A_23_P389250	8,38355	7,92353	1,375560887	ENST00000416383	341346	NM_001145010	SMCO2
A_23_P382602	5,65437	5,19438	1,375532284	ENST00000622552	607	NM_004326	BCL9
A_21_P0011020	4,37891	3,91894	1,375513215	N/A	N/A	N/A	XLOC_I2_002790
A_33_P3248394	2,59627	2,1363	1,375513215	ENST00000484180	11185	NM_001199219	INMT
A_24_P83899	2,41795	1,958	1,375494146	ENST00000305447	2915	NM_000842	GRM5
A_22_P00006742	4,10395	3,6442	1,375303476	N/A	N/A	N/A	Inc-FSIP1-1
A_32_P124708	4,11777	3,65802	1,375303476	ENST00000491143	9480	NM_004852	ONECUT2
A_23_P104692	9,55346	9,0938	1,375217682	ENST00000532970	246330	NM_145065	PELI3
A_23_P92650	3,79972	3,34012	1,37516049	ENST00000239451	83884	NM_031947	SLC25A2
A_33_P3252598	2,24321	1,78378	1,374998457	ENST00000382209	613210	NM_001033018	DEFB136
A_23_P207058	9,85168	9,39232	1,374931744	ENST00000330871	9021	NM_003955	SOCS3
A_23_P329016	9,10372	8,64455	1,37475068	ENST00000472113	92715	XM_005266125	DPH7
A_24_P121406	3,68973	3,23059	1,374722093	ENST00000282007	23091	NM_015070	ZC3H13
A_21_P0011727	4,37009	3,91102	1,374655393	N/A	N/A	N/A	N/A
A_33_P3326115	2,52991	2,071	1,374502947	ENST00000400522	388795	XM_006710086	EFCAB8
A_33_P3419334	9,38405	8,92516	1,374483892	ENST00000369851	2773	NM_006496	GNAI3
A_23_P47125	3,10396	2,64516	1,37439815	ENST00000611603	120065	NM_153444	OR5P2
A_23_P214766	11,8267	11,3679	1,37439815	ENST00000012134	3097	NM_006734	HIVEP2
A_23_P121222	8,44698	7,98822	1,374360044	ENST00000264926	56852	NM_020165	RAD18
A_23_P340131	8,79472	8,33604	1,374283836	ENST00000377456	10279	NM_005865	PRSS16
A_23_P203994	13,7028	13,2442	1,374207631	ENST00000540962	5715	NM_002813	PSMD9
A_22_P00010304	5,17673	4,71818	1,374160006	N/A	N/A	CR933610	Inc-MTX1-1
A_33_P3367575	5,73593	5,27743	1,374112382	ENST00000397520	56478	NM_001164502	EIF4ENIF1
A_21_P0006778	4,29078	3,83229	1,374102857	ENST00000449882	N/A	N/A	N/A

A_22_P00025116	7,94571	7,48727	1,374055235	N/A	101927267	NR_120449	LOC101927267
A_23_P165691	13,3035	12,8451	1,374017139	ENST00000477232	10213	NM_005805	PSMD14
A_23_P385199	3,81292	3,35461	1,373931426	ENST00000319637	284656	NM_173641	EPHA10
A_23_P253158	9,58953	9,13129	1,373864764	ENST00000330386	57634	NM_015409	EP400
A_21_P0014096	5,02797	4,56975	1,373845718	N/A	N/A	BX102845	N/A
A_21_P0010137	4,58282	4,12467	1,373779061	ENST00000434081	727699	NR_033840	LINC00163
A_33_P3409277	4,49477	4,03665	1,373750494	N/A	100128882	XR_429794	LOC100128882
A_23_P217277	3,09582	2,6377	1,373750494	ENST00000370490	84631	NM_032539	SLITRK2
A_32_P226768	7,62583	7,16773	1,37373145	N/A	101060264	NR_126415	FOXP4-AS1
A_23_P165788	8,59379	8,13574	1,373683841	ENST00000616524	493911	NM_001008489	PHOSPHO2
A_33_P3355886	2,30409	1,84606	1,373664798	ENST00000398992	255649	XR_247225	OOSP1
A_32_P191004	8,14501	7,68705	1,373598149	ENST00000238789	54454	NM_017552	ATAD2B
A_22_P00021209	5,45166	4,99376	1,373541024	N/A	N/A	DB266696	Inc-HCRTR1-1
A_23_P91293	12,0326	11,5747	1,373541024	ENST00000476395	9217	NM_004738	VAPB
A_19_P00322762	6,79437	6,33653	1,373483901	ENST00000598190	55769	AK307375	ZNF83
A_23_P311144	6,8446	6,3868	1,37344582	ENST00000409529	165055	NM_144978	CCDC138
A_33_P3362727	5,24698	4,78931	1,373322066	N/A	N/A	N/A	N/A
A_33_P3359753	8,90424	8,44661	1,37328399	ENST00000366687	126731	NM_145257	CCSAP
A_23_P88753	11,6431	11,1855	1,373255433	ENST00000007390	115939	NM_001001410	TSR3
A_23_P112159	10,699	10,2415	1,37316025	ENST00000519980	27161	NM_012154	AGO2
A_33_P3243394	7,45482	6,99733	1,373150732	ENST00000383718	7871	AK124200	SLMAP
A_33_P3401394	3,11508	2,65764	1,373103143	N/A	N/A	N/A	N/A
A_33_P3375762	4,60413	4,14669	1,373103143	ENST00000522530	392364	NR_040117	LOC392364
A_21_P0008433	4,78707	4,32969	1,373046038	N/A	N/A	N/A	Inc-MDGA2-2
A_23_P86855	11,1928	10,7356	1,372874739	ENST00000542359	28992	NM_014067	MACROD1
A_22_P00008617	2,09255	1,63537	1,372855707	ENST00000566193	N/A	BX648634	N/A
A_33_P3221489	6,90138	6,44428	1,372779582	ENST00000359209	55243	NM_018240	KIRREL
A_21_P0013708	10,515	10,0579	1,372779582	ENST00000427109	100506119	XR_426441	LINC01503
A_22_P00002182	3,54465	3,0876	1,372732006	N/A	100507388	NR_121617	LOC100507388
A_22_P00025624	2,77655	2,31956	1,372674917	ENST00000242315	23349	XR_242502	KIAA1045
A_21_P0013286	2,47688	2,02004	1,372532204	N/A	N/A	N/A	XLOC_I2_013737
A_33_P3269854	3,88202	3,42537	1,372351456	ENST00000436804	N/A	N/A	N/A
A_23_P57807	9,69295	9,23635	1,372303895	ENST00000170447	23609	NM_014160	MKRN2

A_33_P3267989	2,99507	2,53849	1,372284871	ENST00000442825	116449	NM_052964	CLNK
A_23_P19938	13,1124	12,6559	1,372208778	ENST00000454368	11014	NM_006854	KDELR2
A_22_P00005125	2,81859	2,36211	1,372189755	ENST00000444436	N/A	N/A	N/A
A_23_P355394	3,75151	3,29511	1,372113667	ENST00000306304	202374	NM_145001	STK32A
A_33_P3228355	5,35294	4,89656	1,372094645	ENST00000394323	2086	NM_001007253	ERV3-1
A_33_P3245133	5,69681	5,24046	1,372066114	N/A	N/A	N/A	N/A
A_33_P3336484	10,4812	10,0249	1,372018562	ENST00000283050	100288332	NM_001277325	NPIPA5
A_33_P3393048	4,98875	4,53247	1,371999542	ENST00000390300	N/A	AJ249379	N/A
A_32_P22401	13,8139	13,3577	1,371923464	ENST00000373148	55700	NM_018067	MAP7D1
A_21_P0012869	5,76668	5,31052	1,371885427	ENST00000507037	728554	TCONS_I2_00022662	LOC728554
A_21_P0000390	3,50292	3,04684	1,371809356	N/A	692209	NR_003074	SNORD92
A_21_P0000560	3,08425	2,62819	1,371790339	ENST00000476804	644444	NR_028358	TMEM30C
A_21_P0011424	3,50648	3,05048	1,371733289	N/A	N/A	N/A	XLOC_I2_005179
A_24_P103922	11,8025	11,3465	1,371733289	ENST00000411419	1488	NM_001329	CTBP2
A_33_P3302632	8,19485	7,73892	1,371666733	N/A	8344	NM_003523	HIST1H2BE
A_24_P324368	2,6197	2,16378	1,371657226	ENST00000317287	85406	NM_032364	DNAJC14
A_33_P3365720	4,46872	4,01281	1,371647718	ENST00000514422	285492	NR_040045	LINC00955
A_21_P0003360	3,90453	3,44863	1,371638211	ENST00000507639	100506827	N/A	LOC100506827
A_33_P3346866	13,3999	12,944	1,371638211	ENST00000420613	54934	NM_017822	KANSL2
A_23_P359655	12,9792	12,5233	1,371638211	ENST00000539644	144348	NM_152437	ZNF664
A_19_P00322966	5,68996	5,23425	1,371457581	N/A	92249	NR_015353	LINC01278
A_33_P3296479	8,94306	8,48737	1,371438568	ENST00000474136	351	NM_001204303	APP
A_21_P0005829	4,14174	3,68609	1,371400544	N/A	N/A	N/A	Inc-EFCAB1-4
A_33_P3299170	13,3275	12,8719	1,371353016	ENST00000490762	55692	NM_201412	LUC7L
A_22_P00018537	2,05797	1,60237	1,371353016	N/A	N/A	N/A	Inc-MED9-1
A_33_P3249793	1,94834	1,49279	1,371305489	ENST00000341558	4303	NM_005938	FOXO4
A_22_P00016276	4,05555	3,60001	1,371295984	ENST00000562361	N/A	N/A	N/A
A_23_P57110	10,1519	9,69638	1,371276974	ENST00000381944	113278	NM_033409	SLC52A3
A_21_P0014479	12,8949	12,4394	1,371257964	N/A	N/A	BC041347	Inc-DNASE1L3-1
A_33_P3333337	7,22157	6,76609	1,371238955	ENST00000311191	23143	NM_001164213	LRCH1
A_23_P140978	8,09713	7,64169	1,371200937	ENST00000219069	10127	NM_005741	ZNF263
A_22_P00011293	2,424	1,96866	1,371105895	ENST00000544004	N/A	N/A	N/A
A_32_P58280	5,69626	5,24096	1,371067881	ENST00000495132	54536	NM_019053	EXOC6

A_22_P00001393	9,05076	8,59561	1,370925336	ENST00000559909	N/A	N/A	N/A
A_23_P98571	6,90067	6,44555	1,370896828	ENST00000432063	220004	NM_145017	PPP1R32
A_21_P0012183	6,11721	5,66215	1,370839815	ENST00000432875	440482	NR_040113	ANKRD20A5P
A_21_P0008289	1,83886	1,38387	1,370773303	ENST00000444357	101101776	NR_073460	BMS1P17
A_33_P3390217	4,45501	4,00019	1,370611788	ENST00000375922	164395	XM_006723725	TTLL9
A_23_P218079	14,1114	13,6567	1,370497788	ENST00000549258	54407	NM_018976	SLC38A2
A_22_P00025709	2,7126	2,25795	1,370450291	ENST00000474444	N/A	N/A	N/A
A_22_P00012124	3,48706	3,03255	1,370317308	N/A	N/A	N/A	Inc-POLN-1
A_22_P00005257	1,95479	1,50029	1,37030781	N/A	N/A	N/A	Inc-DMRTA1-3
A_22_P00006224	7,12292	6,66846	1,370269818	N/A	N/A	N/A	Inc-FAM49B-1
A_22_P00021345	4,86395	4,4095	1,37026032	ENST00000424941	N/A	N/A	N/A
A_23_P91640	5,92841	5,47399	1,370231826	ENST00000215906	57168	NM_020437	ASPHD2
A_33_P3232393	5,37572	4,92132	1,370212831	ENST00000623531	N/A	XR_244448	N/A
A_33_P3380101	13,0552	12,6012	1,36983298	ENST00000373148	55700	NM_018067	MAP7D1
A_19_P00808794	2,91843	2,46448	1,369785506	N/A	N/A	N/A	XL0C_I2_008221
A_22_P00009393	9,31067	8,85673	1,369776011	ENST00000397708	8888	NM_003906	MCM3AP
A_21_P0006497	4,41688	3,96295	1,369766517	N/A	N/A	N/A	Inc-FAM156B-1
A_33_P3345294	5,42321	4,96931	1,369738034	ENST00000368966	221262	N/A	CCDC162P
A_23_P205686	11,6474	11,1937	1,369548161	ENST00000394164	5663	NM_000021	PSEN1
A_33_P3211223	3,43285	2,97916	1,369538668	N/A	N/A	N/A	N/A
A_33_P3211739	10,9815	10,5279	1,369453234	ENST00000616381	64764	NM_194071	CREB3L2
A_21_P0012902	5,25021	4,79664	1,369424758	N/A	N/A	N/A	XL0C_I2_012010
A_22_P00001466	7,93485	7,48129	1,369415265	N/A	N/A	BC034958	Inc-AQP9-1
A_33_P3294153	2,19967	1,74622	1,369310857	ENST00000368555	50632	N/A	CALY
A_21_P0014215	7,143	6,68958	1,369282383	N/A	N/A	N/A	N/A
A_22_P00025127	3,3407	2,88728	1,369282383	ENST00000450129	N/A	N/A	N/A
A_24_P342944	2,91006	2,45682	1,369111553	ENST00000264723	10675	NM_006574	CSPG5
A_33_P3400374	13,8321	13,3789	1,369073594	ENST00000427522	85441	NM_001037335	HELZ2
A_21_P0013615	6,25239	5,79919	1,369073594	N/A	N/A	N/A	XL0C_I2_015098
A_23_P319557	4,25012	3,79693	1,369064104	ENST00000328344	N/A	AF426268	N/A
A_23_P141505	4,05916	3,60601	1,369026146	ENST00000571664	10462	NM_182906	CLEC10A
A_21_P0002319	4,74872	4,29557	1,369026146	ENST00000443670	102724224	NR_110599	LINC01117
A_23_P342600	6,3835	5,93044	1,368940745	ENST00000493263	140901	NM_080836	STK35

A_33_P3381044	2,03643	1,58337	1,368940745	ENST00000589958	N/A	N/A	N/A
A_33_P3260034	3,51455	3,06151	1,368921767	N/A	N/A	N/A	N/A
A_33_P3319572	5,35024	4,89733	1,36879842	ENST00000585734	284418	NM_001145402	FAM71E2
A_33_P3294424	4,20437	3,75151	1,368750982	N/A	727799	AK127690	LOC727799
A_33_P3269403	1,95575	1,50294	1,368703546	ENST00000449804	2299	NM_012188	FOX11
A_33_P3372941	13,6442	13,1914	1,368694059	ENST00000557915	26277	NM_012461	TINF2
A_22_P00024517	2,28309	1,83029	1,368694059	N/A	101928093	NM_001287812	LOC101928093
A_21_P0013805	11,1082	10,6554	1,368694059	ENST00000456563	389906	NR_034031	LOC389906
A_33_P3355503	11,1612	10,7084	1,368694059	ENST00000320241	2300	NM_005250	FOXL1
A_24_P209047	2,16437	1,71168	1,368589705	ENST00000231454	3567	NM_000879	IL5
A_22_P00016991	7,5294	7,07672	1,368580219	N/A	N/A	N/A	Inc-TTC26-2
A_21_P0009352	3,9796	3,5272	1,368314629	N/A	N/A	N/A	Inc-ABCA5-1
A_23_P136547	11,3426	10,8902	1,368314629	ENST00000511666	54872	NM_017733	PIGG
A_23_P131846	7,42733	6,9752	1,368058573	ENST00000244050	6615	NM_005985	SNAI1
A_23_P423389	10,1941	9,74204	1,367992196	ENST00000486056	10488	NM_006368	CREB3
A_21_P0007936	9,68876	9,23673	1,36796375	N/A	N/A	N/A	Inc-GTF2F2-2
A_23_P16110	8,95863	8,50665	1,36791634	ENST00000456448	26648	NM_001079935	OR7E24
A_21_P0000224	7,21605	6,76409	1,367897377	N/A	116937	NR_000027	SNORD83A
A_21_P0003089	11,266	10,8141	1,367840489	ENST00000343123	10016	NR_073609	PDCD6
A_22_P00010069	6,92354	6,47167	1,367812046	ENST00000533220	101927204	NR_110184	LOC101927204
A_21_P0009652	3,03698	2,58512	1,367802565	N/A	N/A	N/A	Inc-ZNF526-1
A_33_P3391275	6,53185	6,08002	1,367774123	ENST00000416742	284749	NR_026958	LINC00494
A_32_P416161	5,73773	5,28592	1,367755161	ENST00000372956	402415	NM_212559	XKRX
A_21_P0000151	1,96649	1,51478	1,367660359	ENST00000380470	140456	NM_080873	ASB11
A_33_P3375476	12,7493	12,2976	1,367650879	ENST00000270583	54758	NM_017566	KLHDC4
A_33_P3244194	6,4762	6,02457	1,367584522	ENST00000383657	201562	NM_198402	PTPLB
A_24_P576506	4,75407	4,30252	1,367508689	ENST00000414069	503542	NM_001012508	SPRN
A_33_P3876985	9,25601	8,8046	1,367375992	ENST00000596280	51029	NM_016076	DESI2
A_33_P3344564	4,46845	4,01727	1,367158017	ENST00000515380	65250	XR_427661	C5orf42
A_21_P0008347	5,32231	4,8712	1,367091684	N/A	N/A	N/A	Inc-FUT8-1
A_24_P132039	9,23156	8,78055	1,366996927	ENST00000394514	9604	NM_004290	RNF14
A_22_P00003066	3,11304	2,6622	1,366835857	ENST00000523171	619344	NR_046232	LINC01298
A_23_P91590	14,5417	14,0909	1,36679796	ENST00000486575	5902	NM_002882	RANBP1

A_23_P250607	13,2119	12,7611	1,36679796	ENST00000481823	5358	NM_005032	PLS3
A_21_P0004129	4,73133	4,28054	1,366788486	ENST00000504349	N/A	N/A	N/A
A_22_P00007511	2,66967	2,21889	1,366779013	ENST00000445660	N/A	N/A	N/A
A_33_P3342443	9,36827	8,91763	1,366646386	ENST00000424092	100271927	NM_001277335	RASA4B
A_23_P60488	9,88086	9,43027	1,366599023	ENST00000351030	4957	NM_002540	ODF2
A_21_P0010638	4,48112	4,03063	1,3665043	N/A	N/A	N/A	XLOC_I2_001011
A_23_P151361	2,68388	2,23347	1,366428527	ENST00000400419	79024	NM_024058	SMIM2
A_24_P413437	11,916	11,4656	1,366419056	ENST00000373856	4841	NM_007363	NONO
A_22_P00020362	1,9654	1,51501	1,366409585	ENST00000443504	N/A	N/A	N/A
A_23_P77415	8,25958	7,80925	1,366352759	ENST00000361711	29948	NM_182981	OSGIN1
A_23_P5586	11,9387	11,4884	1,366324346	ENST00000476969	10199	NM_005791	MPHOSPH10
A_22_P00012141	5,18015	4,72987	1,366305405	N/A	N/A	N/A	Inc-POLR2F-1
A_33_P3210099	7,29388	6,84366	1,366248583	ENST00000258888	57538	NM_020778	ALPK3
A_33_P3401407	2,07863	1,62842	1,366239113	ENST00000587790	390858	NR_024021	OACYLP
A_23_P101505	14,4111	13,9609	1,366229643	ENST00000319756	11012	NM_144947	KLK11
A_19_P00321360	3,63942	3,18932	1,366134947	ENST00000506206	101927136	NR_110840	LOC101927136
A_21_P0002403	1,97146	1,52145	1,366049725	N/A	N/A	N/A	Inc-NTSR2-3
A_21_P0010613	1,92012	1,47013	1,366030788	N/A	N/A	N/A	XLOC_I2_000902
A_23_P131935	14,4614	14,0115	1,365945573	ENST00000217289	55612	NM_017671	FERMT1
A_22_P00001133	5,58331	5,13344	1,36591717	N/A	N/A	N/A	Inc-ALX4-5
A_21_P0014734	5,73515	5,28535	1,365850896	N/A	N/A	N/A	N/A
A_33_P3386835	8,88018	8,43053	1,365708894	ENST00000523340	6575	XR_171115	SLC20A2
A_24_P854492	4,4207	3,97107	1,365689961	ENST00000613780	440823	NR_003491	MIAT
A_33_P3235335	7,11699	6,66736	1,365689961	ENST00000351488	8897	NM_021090	MTMR3
A_19_P00803997	5,24967	4,80005	1,365680495	ENST00000426282	100506714	N/A	NUP50-AS1
A_21_P0005559	2,06644	1,61682	1,365680495	N/A	N/A	N/A	Inc-RAMP3-2
A_21_P0012908	5,13087	4,68127	1,365661562	N/A	N/A	N/A	XLOC_I2_012046
A_21_P0014663	4,79511	4,3456	1,365576371	ENST00000360187	100289635	NM_183238	ZNF605
A_33_P3312985	2,39954	1,95009	1,365519579	ENST00000600723	200298	NR_103718	LINC00528
A_32_P196115	7,81782	7,36838	1,365510114	ENST00000485586	221785	NM_145115	ZSCAN25
A_21_P0003824	2,05407	1,60466	1,365481719	N/A	N/A	N/A	Inc-CRIPAK-1
A_23_P390722	7,27629	6,82705	1,365320827	ENST00000482587	163590	NM_022347	TOR1AIP2
A_33_P3320368	13,1797	12,7305	1,365282973	ENST00000587406	54929	NM_017814	TMEM161A



A_23_P67913	8,35438	7,90524	1,365226194	ENST00000443704	29926	NM_013335	GMPPA
A_33_P3331242	14,1327	13,6836	1,365188342	ENST00000520177	10146	NM_005754	G3BP1
A_23_P305914	1,9217	1,47261	1,36517888	ENST00000547525	9671	NM_014653	WSCD2
A_24_P49447	9,07471	8,62563	1,365169417	ENST00000418622	57589	NM_020829	RIC1
A_22_P00018474	5,53365	5,08465	1,365093718	N/A	N/A	N/A	Inc-PSPC1-1
A_22_P00002487	2,71397	2,26498	1,365084256	N/A	N/A	N/A	Inc-C16orf42-1
A_21_P0009663	5,92899	5,48002	1,365065332	N/A	N/A	N/A	Inc-ZNF30-1
A_33_P3272140	10,0903	9,64134	1,36505587	ENST00000479162	129401	NM_001287585	NUP35
A_24_P144303	2,68409	2,23513	1,36505587	ENST00000435236	442459	N/A	XRCC6P5
A_23_P61466	9,33567	8,88673	1,365036946	ENST00000546182	283316	NM_174941	CD163L1
A_22_P00023681	2,98432	2,53552	1,364904489	N/A	N/A	N/A	Inc-CCNB1IP1-2
A_33_P3257755	10,6847	10,2359	1,364904489	N/A	N/A	N/A	N/A
A_33_P3369452	8,87499	8,42622	1,364876107	ENST00000399807	128989	NM_001283106	TANGO2
A_22_P00000872	8,63177	8,18301	1,364866646	ENST00000565929	N/A	N/A	N/A
A_22_P00013447	4,4484	3,99969	1,364819344	N/A	102724966	XR_426435	LOC102724966
A_33_P3389599	5,31834	4,86967	1,364781504	ENST00000451663	391267	N/A	ANKRD20A11P
A_22_P00007063	5,45112	5,00247	1,364762584	ENST00000435967	100505938	NR_125740	LOC100505938
A_22_P00012656	5,76699	5,31834	1,364762584	N/A	N/A	N/A	Inc-PYCARD-1
A_33_P3287862	4,86319	4,41459	1,364715286	ENST00000421395	101060524	NR_111000	LOC101060524
A_22_P00005783	3,07069	2,62215	1,36465853	ENST00000566847	N/A	BC029589	N/A
A_23_P372478	3,15649	2,70795	1,36465853	ENST00000538527	327657	NM_175739	SERPINA9
A_33_P3324137	10,8966	10,4481	1,364620694	N/A	29053	BC015320	PRO0628
A_33_P3278968	4,66068	4,21226	1,364545026	ENST00000457663	3111	NM_002119	HLA-DOA
A_24_P36944	5,06311	4,61475	1,364488277	ENST00000502249	9859	NM_014812	CEP170
A_33_P3404286	11,9566	11,5083	1,364431531	ENST00000465499	23392	NM_001080398	KIAA0368
A_24_P81947	11,4277	10,9794	1,364431531	ENST00000420959	23603	NM_014325	CORO1C
A_22_P00007758	2,99653	2,54835	1,364318045	N/A	N/A	BG387923	Inc-HMHB1-1
A_23_P133585	13,3505	12,9024	1,364242394	ENST00000615305	1022	NM_001799	CDK7
A_22_P00017049	6,01584	5,56775	1,364232938	N/A	N/A	XR_111287	Inc-TUBA1A-1
A_22_P00018216	2,8	2,35191	1,364232938	N/A	N/A	N/A	Inc-ZNF667-1
A_33_P3251470	5,54718	5,09912	1,364204569	ENST00000561876	N/A	N/A	N/A
A_33_P3310674	11,7673	11,3193	1,364147835	ENST00000398734	7322	NM_181838	UBE2D2
A_32_P193646	11,2139	10,7659	1,364147835	ENST00000320676	27316	NM_002139	RBMX

A_24_P929369	10,7906	10,3427	1,364053283	ENST00000261842	23431	NM_007347	AP4E1
A_33_P3254831	4,33639	3,88853	1,364015464	N/A	N/A	N/A	N/A
A_21_P0003453	2,07491	1,6271	1,363968191	N/A	N/A	N/A	Inc-SEL1L3-1
A_24_P298420	10,1437	9,69595	1,363911467	ENST00000553915	10419	NM_001039619	PRMT5
A_23_P23869	2,13185	1,68437	1,363656235	ENST00000263726	89884	NM_033343	LHX4
A_23_P34757	8,57134	8,12409	1,363438853	ENST00000366935	55105	NM_018040	GPATCH2
A_33_P3229725	13,29	12,8429	1,363297101	ENST00000395619	410	NM_000487	ARSA
A_22_P00008544	4,39033	3,94334	1,363193158	N/A	N/A	CB216772	Inc-KCNMB1-3
A_21_P0013852	3,8873	3,44042	1,363089224	ENST00000445416	100131755	N/A	ARMCX4
A_22_P00002220	7,46074	7,01392	1,363032536	ENST00000568571	N/A	N/A	N/A
A_23_P75255	12,1499	11,7031	1,36301364	ENST00000263559	9559	NM_004896	VPS26A
A_22_P00020770	4,84173	4,39509	1,362862486	ENST00000604660	N/A	N/A	N/A
A_22_P00007355	2,09105	1,64442	1,362853039	N/A	N/A	N/A	Inc-GRAMD2-1
A_32_P725218	8,90649	8,4599	1,362815253	ENST00000333483	339175	NM_181725	METTL2A
A_24_P310256	4,36104	3,91447	1,362796361	ENST00000591840	163175	NM_139284	LGI4
A_33_P3309665	8,11454	7,66809	1,362683011	ENST00000318833	124961	NM_153018	ZFP3
A_22_P00007316	4,04352	3,59709	1,362664121	ENST00000553929	283587	NR_046094	LINC01146
A_21_P0011722	2,64995	2,20357	1,362616895	N/A	N/A	N/A	XLOC_I2_006926
A_33_P3286846	3,2052	2,75882	1,362616895	ENST00000567137	653550	NM_001205259	TP53TG3C
A_22_P00010533	2,47994	2,03357	1,36260745	N/A	N/A	N/A	Inc-NCF4-1
A_22_P00008337	5,89909	5,45273	1,362598005	ENST00000381340	3709	NM_002223	ITPR2
A_24_P267522	5,54036	5,09406	1,362541338	ENST00000356958	199704	NM_152655	ZNF585A
A_21_P0000530	9,14128	8,69512	1,362409122	N/A	125144	NR_045024	LRR75A-AS1
A_23_P145863	16,385	15,9389	1,362352462	ENST00000467589	6282	NM_005620	S100A11
A_23_P92687	12,4079	11,9618	1,362352462	ENST00000230895	1611	NM_004394	DAP
A_21_P0010505	2,60749	2,16141	1,362333576	ENST00000587530	N/A	N/A	N/A
A_32_P138042	5,17907	4,733	1,362324133	N/A	N/A	BX445743	N/A
A_23_P354387	15,3991	14,9531	1,362258035	ENST00000359263	26509	NM_013451	MYOF
A_22_P00003425	6,58901	6,14302	1,362248592	N/A	N/A	N/A	Inc-CCDC23-1
A_22_P00013333	4,31548	3,86955	1,362191939	N/A	N/A	DB148808	Inc-RP11-148O21.2.1-2
A_23_P162386	1,95304	1,50716	1,36214473	ENST00000267012	51411	NM_016293	BIN2
A_22_P00022787	6,99075	6,54487	1,36214473	ENST00000453135	101929181	N/A	LOC101929181
A_21_P0000940	3,41229	2,96642	1,362135288	ENST00000423796	N/A	XR_109346	N/A

A_23_P83931	13,858	13,4122	1,362069199	ENST00000355029	10276	NM_001047160	NET1
A_19_P00325498	2,05371	1,60799	1,361993672	N/A	768096	NR_003244	HAR1A
A_21_P0011126	11,1908	10,7451	1,36197479	ENST00000368494	116150	NM_138459	NUS1
A_21_P0001643	5,40515	4,9595	1,361927589	N/A	N/A	N/A	Inc-IRF2BP2-2
A_22_P00025727	3,36978	2,92426	1,361804872	N/A	N/A	N/A	Inc-C4orf52-1
A_33_P3329664	2,79585	2,35042	1,361719921	ENST00000338647	139735	NM_001136273	ZFP92
A_32_P98732	4,80624	4,36104	1,361502848	ENST00000259803	8521	NM_003643	GCM1
A_23_P40307	12,197	11,7518	1,361502848	ENST00000377943	6629	NM_003092	SNRPB2
A_22_P00010319	5,71923	5,27406	1,361474536	N/A	N/A	N/A	Inc-MUC5B-1
A_22_P00020266	4,72831	4,28317	1,361446226	N/A	N/A	BU686915	Inc-CCDC73-1
A_22_P00001313	4,1364	3,69132	1,361389606	N/A	N/A	AK056793	Inc-ANP32A-3
A_23_P1102	3,6491	3,20409	1,361323552	ENST00000366683	58	NM_001100	ACTA1
A_24_P392230	5,47731	5,0323	1,361323552	ENST00000441577	N/A	N/A	N/A
A_23_P120899	4,26868	3,82368	1,361314116	ENST00000403662	1439	NM_000395	CSF2RB
A_23_P69670	9,15609	8,71111	1,361295245	ENST00000320776	55330	NM_018366	BLOC1S4
A_33_P3400263	9,04084	8,59592	1,361238631	ENST00000220913	54108	NM_017444	CHRAC1
A_21_P0013854	8,27861	7,83376	1,361172585	ENST00000440604	N/A	N/A	N/A
A_33_P3293403	3,16483	2,72001	1,361144281	ENST00000377420	653427	NM_001126334	FOXD4L5
A_22_P00004064	2,20028	1,75546	1,361144281	N/A	N/A	N/A	Inc-CHSY1-3
A_19_P00320088	4,46705	4,02232	1,361059371	N/A	N/A	N/A	Inc-ARHGAP26-4
A_23_P60180	10,5705	10,1258	1,361031069	ENST00000318560	25	NM_005157	ABL1
A_22_P00015594	4,84924	4,40456	1,361012201	N/A	N/A	N/A	Inc-STXBP1-1
A_21_P0012399	3,31258	2,86808	1,360842403	N/A	N/A	N/A	XLOC_I2_009887
A_33_P3245389	10,9011	10,4566	1,360842403	ENST00000261556	54916	NM_017799	TMEM260
A_23_P91468	15,665	15,2205	1,360842403	ENST00000370861	5688	NM_002792	PSMA7
A_23_P3819	6,88561	6,44112	1,36083297	ENST00000252799	65988	NM_023931	ZNF747
A_24_P295806	10,4717	10,0273	1,36074808	ENST00000528426	66005	NM_023947	CHID1
A_33_P3391429	9,30041	8,85601	1,36074808	ENST00000306562	79894	NM_024836	ZNF672
A_23_P163458	11,6859	11,2415	1,36074808	ENST00000220325	30844	NM_139265	EHD4
A_21_P0011581	3,13966	2,6956	1,36042743	N/A	N/A	N/A	XLOC_I2_006026
A_22_P00013803	7,87441	7,43038	1,360399141	ENST00000608290	N/A	N/A	N/A
A_22_P00019311	8,03366	7,58964	1,360389711	N/A	N/A	N/A	Inc-MARVELD3-2
A_22_P00012658	2,36026	1,91642	1,360219991	N/A	103344926	N/A	LINCR-0002

A_23_P57819	10,0011	9,55738	1,360106856	ENST00000287652	9797	NM_014760	TATDN2
A_22_P00019047	4,14157	3,69795	1,360012583	N/A	N/A	N/A	Inc-COG1-1
A_23_P200443	14,229	13,7854	1,35999373	ENST00000368445	6464	NM_003029	SHC1
A_23_P401106	8,30195	7,85836	1,359984303	ENST00000444035	5138	NM_002599	PDE2A
A_33_P3208970	3,53431	3,09074	1,35996545	ENST00000349618	257101	NM_001114759	ZNF683
A_32_P207243	7,29592	6,85241	1,359908892	N/A	N/A	AF132973	N/A
A_23_P400465	13,2311	12,7876	1,359899465	ENST00000329970	112495	NM_138408	GTF3C6
A_21_P0011462	6,01847	5,57505	1,359824059	N/A	N/A	N/A	XLOC_I2_005438
A_33_P3214284	4,87021	4,42683	1,359786357	N/A	N/A	N/A	N/A
A_32_P25273	16,6848	16,2415	1,359710956	ENST00000345042	3329	NM_002156	HSPD1
A_23_P143662	9,1534	8,71034	1,35948478	ENST00000439502	23761	NM_014338	PISD
A_23_P41380	11,2209	10,7779	1,359428242	ENST00000296577	6059	NM_002940	ABCE1
A_22_P00011727	5,2608	4,81786	1,359371706	ENST00000448204	N/A	N/A	N/A
A_22_P00008897	1,98506	1,54213	1,359362284	N/A	N/A	BX088853	Inc-KLHL31-4
A_24_P450596	6,98805	6,54512	1,359362284	ENST00000591344	342892	NM_001193552	ZNF850
A_19_P00320562	4,24681	3,80389	1,359352861	N/A	101928857	N/A	CTD-3080P12.3
A_19_P00812627	4,01712	3,57423	1,359324595	N/A	N/A	N/A	XLOC_I2_012335
A_32_P191527	8,35177	7,90891	1,359296329	ENST00000437519	387893	NM_020382	SETD8
A_32_P492524	2,14364	1,70078	1,359296329	N/A	114805	NM_052917	GALNT13
A_33_P3321934	2,77824	2,33541	1,359268063	N/A	N/A	N/A	N/A
A_22_P00017050	5,08744	4,6447	1,35918327	N/A	N/A	AA218968	Inc-TUBA1C-1
A_21_P0008450	4,35772	3,91515	1,35902312	N/A	N/A	N/A	Inc-ATP6V1D-1
A_22_P00006887	2,21946	1,77695	1,358966601	N/A	N/A	AK094875	Inc-GAMT-2
A_23_P93973	4,52404	4,08162	1,358881827	ENST00000265310	56302	NM_019841	TRPV5
A_33_P3381259	5,99318	5,55078	1,358862989	N/A	N/A	N/A	Inc-DNAI1-1
A_24_P296698	14,192	13,7496	1,358862989	ENST00000395491	5606	NM_145109	MAP2K3
A_23_P430161	9,0294	8,58708	1,35878764	ENST00000366645	149371	NM_175876	EXOC8
A_21_P0002727	5,53185	5,08962	1,358702877	N/A	N/A	N/A	Inc-KCNH8-1
A_33_P3253931	4,66725	4,22509	1,358636954	N/A	84678	AB031230	KDM2B
A_22_P00000206	8,31986	7,87774	1,358599285	N/A	N/A	N/A	Inc-ABT1-2
A_23_P313728	8,06765	7,62554	1,358589868	ENST00000474985	25940	NM_015475	FAM98A
A_33_P3217332	8,55334	8,11123	1,358589868	ENST00000343769	81931	NM_031218	ZNF93
A_23_P361569	10,4475	10,0054	1,358580451	ENST00000420066	80255	NM_025181	SLC35F5

A_33_P3396612	12,6511	12,209	1,358580451	ENST00000567036	96610	N/A	BMS1P20
A_24_P291978	7,96233	7,52038	1,358439204	ENST00000622666	90956	NM_052853	ADCK2
A_22_P00021134	3,30494	2,863	1,358429788	ENST00000449845	N/A	N/A	N/A
A_21_P0013237	2,51061	2,06868	1,358420372	N/A	N/A	N/A	Inc-VKORC1L1-2
A_22_P00010163	8,06531	7,62342	1,358382709	N/A	N/A	AK022225	Inc-MRPS17-1
A_21_P0000007	4,67037	4,22851	1,358354463	N/A	100170229	NM_001145641	SRRM5
A_24_P162373	10,3124	9,87055	1,358345047	ENST00000402174	84133	NM_001206998	ZNRF3
A_22_P00011015	2,09805	1,65634	1,358213239	N/A	N/A	N/A	Inc-NSUN6-4
A_23_P135730	9,52706	9,08536	1,358203825	ENST00000361113	199692	NM_145295	ZNF627
A_23_P19592	11,2809	10,8392	1,358203825	ENST00000513973	5238	NM_015599	PGM3
A_24_P213950	3,18159	2,73998	1,358119098	ENST00000298251	220296	NM_152722	HEPACAM
A_22_P00023094	2,20339	1,76184	1,358062617	ENST00000536495	N/A	N/A	N/A
A_33_P3364308	6,00357	5,56206	1,358024964	ENST00000563871	146183	BC040551	OTOA
A_33_P3279441	10,8544	10,4129	1,358015551	ENST00000415811	9570	NM_001012511	GOSR2
A_33_P3232498	2,29822	1,85677	1,357968486	ENST00000331664	388939	NM_001029883	C2orf71
A_33_P3212072	3,31601	2,87456	1,357968486	ENST00000367762	92344	NM_001146039	GORAB
A_22_P00007790	7,39003	6,9486	1,357949661	ENST00000489705	284702	NR_026778	HNRNPU-AS1
A_22_P00008465	3,51006	3,06866	1,357921423	N/A	100874114	NR_046732	CCDC13-AS1
A_33_P3398927	10,2335	9,79212	1,357902599	ENST00000398493	4152	NM_001204151	MBD1
A_24_P216253	10,8873	10,446	1,357827303	ENST00000373907	22839	NM_014902	DLGAP4
A_23_P157072	14,4315	13,9902	1,357827303	ENST00000475415	8662	NM_001037283	EIF3B
A_24_P50753	11,2957	10,8544	1,357827303	ENST00000415493	11163	NM_199040	NUDT4
A_21_P0012506	3,00991	2,56864	1,357799068	N/A	N/A	N/A	Inc-RNF13-2
A_33_P3642036	3,44959	3,00842	1,357704956	N/A	100289333	AK093188	LOC100289333
A_33_P3254580	2,70647	2,26534	1,357667313	N/A	N/A	N/A	N/A
A_22_P00001617	7,8257	7,38459	1,357648491	ENST00000515319	9189	NM_001171135	ZBED1
A_23_P103775	8,63749	8,19651	1,35752616	ENST00000370454	84230	NM_032270	LRRC8C
A_23_P150249	12,5086	12,0677	1,357450885	ENST00000312579	11007	NM_006848	CCDC85B
A_23_P1519	10,2001	9,75928	1,357375614	ENST00000526450	9600	NM_004910	PITPNM1
A_22_P00017015	2,20958	1,76882	1,357319164	N/A	N/A	N/A	Inc-TTC35-3
A_24_P413941	8,9137	8,47299	1,357272124	ENST00000319974	205327	NM_153689	C2orf69
A_22_P00010404	2,43699	1,9964	1,357159234	N/A	N/A	BC037534	Inc-MYO1D-1
A_22_P00007962	8,88302	8,44243	1,357159234	N/A	N/A	N/A	Inc-ID1-1

A_22_P00020137	1,90888	1,4683	1,357149826	N/A	N/A	N/A	Inc-RALB-1
A_24_P336551	9,2487	8,80812	1,357149826	ENST00000490491	632	NM_199173	BGLAP
A_21_P0009512	3,74726	3,30675	1,357083979	N/A	N/A	N/A	Inc-ENOSF1-1
A_33_P3250845	12,8371	12,3966	1,357074572	ENST00000398013	81614	NM_001184889	NIPA2
A_32_P184367	17,7865	17,3461	1,35698051	ENST00000431607	N/A	AK130582	N/A
A_22_P00018327	8,4996	8,05941	1,356783001	N/A	N/A	N/A	Inc-ZNF91-2
A_23_P336663	1,8477	1,40761	1,356688959	ENST00000419776	157724	NM_138817	SLC7A13
A_24_P251599	7,46186	7,02198	1,356491493	ENST00000397368	859	NM_001234	CAV3
A_33_P3350549	6,17842	5,7386	1,356435079	N/A	N/A	N/A	N/A
A_33_P3270451	10,042	9,60218	1,356435079	ENST00000439343	81567	NM_030810	TXNDC5
A_23_P52147	11,7325	11,2927	1,356416275	ENST00000543662	6905	NM_001079515	TBCE
A_33_P3358648	12,4814	12,0418	1,356228249	ENST00000289175	9208	NM_001137552	LRRFIP1
A_23_P314835	2,89789	2,45833	1,356190647	ENST00000371168	128602	NM_178456	C20orf85
A_22_P00018325	3,34458	2,90505	1,356162446	ENST00000493502	23145	N/A	SSPO
A_22_P00009316	5,41686	4,97733	1,356162446	ENST00000527757	100507205	NR_038309	LOC100507205
A_33_P3383762	5,87247	5,43294	1,356162446	N/A	N/A	N/A	N/A
A_23_P209183	11,2894	10,85	1,356040249	ENST00000252599	79709	NM_024656	COLGALT1
A_24_P106357	9,77978	9,34039	1,35603085	ENST00000506538	134430	NM_139281	WDR36
A_23_P353316	7,19646	6,75714	1,355965056	ENST00000361125	57154	NM_020429	SMURF1
A_21_P0011578	15,1349	14,6956	1,355946259	ENST00000577449	N/A	N/A	N/A
A_21_P0004416	2,75616	2,31689	1,355918063	N/A	102724530	XR_425866	LOC102724530
A_33_P3419383	2,05602	1,61679	1,355880469	ENST00000284767	27295	NM_014476	PDLIM3
A_22_P00000459	2,14943	1,71021	1,355871071	N/A	N/A	N/A	Inc-AC091435.2-1
A_23_P218025	2,20892	1,76971	1,355861673	ENST00000455537	3798	NM_004984	KIF5A
A_33_P3358462	5,51359	5,07439	1,355852275	ENST00000341310	2736	NM_005270	GLI2
A_22_P00004717	9,66316	9,22397	1,355842877	N/A	N/A	BU617929	Inc-CTDSP2-2
A_23_P80098	13,1982	12,7591	1,355758298	ENST00000424203	2618	NM_000819	GART
A_23_P218997	16,0438	15,6048	1,355664327	ENST00000511482	10016	NM_013232	PDCD6
A_33_P3305433	4,43158	3,99258	1,355664327	N/A	N/A	BU159546	N/A
A_23_P415006	10,8745	10,4355	1,355664327	ENST00000493523	26056	NM_015470	RAB11FIP5
A_33_P3215797	6,90167	6,46274	1,355598551	ENST00000374011	27245	NM_001029882	AHDC1
A_23_P24796	11,0708	10,6321	1,355382454	ENST00000265978	84067	NM_032127	FAM160A2
A_33_P3411075	16,489	16,0504	1,355288509	ENST00000473330	6624	NM_003088	FSCN1

A_21_P0007181	3,66666	3,22809	1,355260327	N/A	N/A	N/A	Inc-INSC-3
A_21_P0014899	7,63605	7,19748	1,355260327	N/A	N/A	AK126805	N/A
A_23_P96633	5,16746	4,7289	1,355250933	ENST00000344129	54967	NM_001031705	CT55
A_24_P108863	7,42486	6,98633	1,355222752	ENST00000487842	6322	NM_001037540	SCML1
A_24_P300483	8,11004	7,67155	1,355185177	ENST00000438029	79020	NM_024054	C7orf25
A_33_P7574262	3,60015	3,16171	1,355138211	N/A	65072	NR_040030	CFLAR-AS1
A_22_P00000413	3,48299	3,04456	1,355128818	ENST00000578030	N/A	N/A	N/A
A_24_P127928	11,6267	11,1883	1,355100639	ENST00000358951	25782	NM_012414	RAB3GAP2
A_23_P346405	8,70354	8,26523	1,355016106	ENST00000605416	90550	NM_138357	MCU
A_24_P143492	9,71065	9,27238	1,354978538	ENST00000485049	55653	NM_001010974	BCAS4
A_22_P00005472	2,06043	1,62217	1,354969146	N/A	N/A	N/A	Inc-DYNC111-1
A_24_P262738	10,1309	9,69264	1,354969146	ENST00000596582	79016	NM_024050	DDA1
A_33_P3209356	10,8293	10,3912	1,354818883	ENST00000308769	64326	NM_022457	RFWD2
A_33_P3389779	4,70348	4,26545	1,354753148	ENST00000408998	N/A	N/A	N/A
A_33_P3215913	2,3212	1,88318	1,354743758	N/A	N/A	N/A	N/A
A_33_P3258191	13,1964	12,7584	1,354724977	ENST00000442039	283951	NM_001272051	C16orf91
A_33_P3382031	3,37909	2,94109	1,354724977	ENST00000377495	653567	NM_001098844	TMEM236
A_22_P00017255	7,22599	6,7881	1,354621689	ENST00000439207	N/A	N/A	N/A
A_24_P936145	2,57495	2,13706	1,354621689	ENST00000262494	2775	NM_138736	GNAO1
A_33_P3407700	6,57835	6,14047	1,354612299	ENST00000306480	201931	NM_001100389	TMEM192
A_22_P00025715	8,16806	7,73031	1,354490242	N/A	N/A	N/A	Inc-PDZK1IP1-1
A_22_P00010760	2,50336	2,06563	1,354471465	ENST00000563424	N/A	N/A	N/A
A_22_P00002310	2,09792	1,66025	1,354415135	N/A	N/A	N/A	Inc-C11orf36-2
A_33_P3225843	7,54748	7,10983	1,354396359	ENST00000504487	91050	NM_173463	CCDC149
A_23_P380326	7,53189	7,0943	1,354340032	ENST00000336643	55334	NM_018375	SLC39A9
A_33_P3216438	5,49191	5,0544	1,354264934	ENST00000335496	374955	NM_198546	SPATA21
A_33_P3764802	11,4547	11,0172	1,354255547	ENST00000379250	23408	NM_012241	SIRT5
A_23_P139099	4,33846	3,90097	1,35424616	ENST00000314706	81328	NM_001005275	OR4A15
A_24_P276816	8,82123	8,38385	1,354142908	ENST00000528066	55758	NM_018254	RCOR3
A_23_P435002	9,99844	9,56108	1,354124136	ENST00000339397	153443	NM_152546	SRFBP1
A_23_P80551	10,4868	10,0495	1,35406782	ENST00000463888	100506243	NM_001205272	KRBOX1
A_22_P00015125	1,96274	1,52544	1,35406782	N/A	N/A	N/A	Inc-SNX25-1
A_23_P168576	7,96838	7,5311	1,354049049	ENST00000615241	22932	NM_152992	POMZP3

A_22_P00016298	4,46766	4,03045	1,353983352	ENST00000539588	N/A	BI754073	N/A
A_23_P104199	11,7706	11,3334	1,353973967	ENST00000494395	3688	NM_133376	ITGB1
A_23_P102320	11,0175	10,5803	1,353973967	ENST00000479162	129401	NM_138285	NUP35
A_32_P8402	11,3342	10,897	1,353973967	ENST00000434910	10492	NM_006372	SYNCRIP
A_22_P00010922	3,19992	2,76278	1,353917658	N/A	N/A	DB336226	Inc-NQO2-5
A_33_P3309526	3,88682	3,44974	1,353861351	ENST00000442510	5788	NM_002838	PTPRC
A_23_P304450	12,2637	11,8267	1,353786279	ENST00000269216	2627	NM_005257	GATA6
A_23_P137057	16,4052	15,9682	1,353786279	ENST00000317881	292	NM_001152	SLC25A5
A_22_P00014573	5,81973	5,38274	1,353776895	N/A	101926987	NR_109939	DLGAP4-AS1
A_23_P421032	4,83841	4,40142	1,353776895	ENST00000320982	284904	NM_174977	SEC14L4
A_24_P203689	7,71813	7,28126	1,353664296	ENST00000394412	374654	NM_198525	KIF7
A_23_P153797	4,02426	3,58742	1,353636148	ENST00000252575	1463	NM_004386	NCAN
A_22_P00002994	5,49225	5,05547	1,353579853	N/A	N/A	N/A	Inc-C6orf221-1
A_33_P3342081	6,57996	6,14325	1,353514178	ENST00000369096	639	NM_001198	PRDM1
A_22_P00020866	4,60688	4,17036	1,353335935	ENST00000561182	101928850	XR_243165	LOC101928850
A_33_P3315698	2,31355	1,87721	1,353167094	ENST00000382029	145447	NM_001206673	ABHD12B
A_33_P3329176	3,01952	2,58318	1,353167094	ENST00000390436	N/A	X70308	N/A
A_21_P0007826	4,25732	3,82102	1,353129577	N/A	N/A	N/A	Inc-MGST1-2
A_23_P203645	9,36704	8,93075	1,353120198	ENST00000527447	58487	NM_001039618	CREBZF
A_21_P0011210	6,36911	5,93289	1,353054546	ENST00000444553	N/A	N/A	N/A
A_21_P0013928	5,57781	5,14159	1,353054546	N/A	N/A	N/A	N/A
A_21_P0009030	2,1947	1,75848	1,353054546	ENST00000562818	388276	NM_001242473	C16orf97
A_32_P506600	16,6189	16,1827	1,353035789	ENST00000392369	5901	NM_006325	RAN
A_21_P0001606	2,9356	2,49943	1,353007653	ENST00000451690	102724954	NR_126003	LINC01032
A_21_P0010224	1,9377	1,50154	1,352998275	N/A	N/A	N/A	Inc-JAM2-8
A_21_P0013971	6,37575	5,93963	1,352960762	ENST00000497570	79750	BX104753	ZNF385D
A_23_P126836	4,14601	3,7099	1,352951385	ENST00000281834	7292	NM_003326	TNFSF4
A_24_P315500	9,78918	9,35308	1,352942007	N/A	100130557	NR_024567	NFYC-AS1
A_21_P0006253	4,97267	4,53658	1,352932629	N/A	N/A	N/A	Inc-PTPRD-3
A_23_P55477	13,3546	12,9186	1,352848231	ENST00000582124	136	NM_000676	ADORA2B
A_22_P00025951	1,93752	1,50153	1,352838854	N/A	N/A	N/A	Inc-CSR2BP-1
A_33_P3762733	5,91644	5,48047	1,3528201	ENST00000262354	266917	NR_040254	D21S2088E
A_22_P00014779	7,1853	6,74933	1,3528201	N/A	N/A	N/A	Inc-SLC38A8-1



A_33_P3420068	9,3503	8,91438	1,352773215	ENST00000418542	51125	NM_001002296	GOLGA7
A_33_P3254048	2,1434	1,70756	1,352698204	N/A	N/A	N/A	N/A
A_23_P412508	1,99459	1,55897	1,352491943	ENST00000523914	255762	NM_173806	PDZD9
A_22_P00017037	5,47426	5,03866	1,352473194	ENST00000413975	101927587	NR_119375	LOC101927587
A_23_P8269	3,95211	3,51661	1,352379451	ENST00000275200	83551	NM_053278	TAAR8
A_23_P205611	8,91438	8,47889	1,352370077	ENST00000554682	2764	NM_004124	GMFB
A_21_P0009613	3,14211	2,70666	1,352332582	N/A	N/A	N/A	Inc-TSHZ1-1
A_22_P00011020	4,72967	4,29423	1,352323208	N/A	N/A	N/A	Inc-NT5C-2
A_21_P0000206	7,35046	6,91502	1,352323208	ENST00000497519	6083	NR_000006	SNORD21
A_22_P00019762	3,63291	3,19751	1,352285714	ENST00000420404	N/A	N/A	N/A
A_24_P167614	10,6234	10,188	1,352285714	ENST00000504674	26512	NM_012141	INTS6
A_21_P0003241	5,33453	4,89923	1,352191984	N/A	N/A	N/A	Inc-C3orf38-2
A_23_P216556	10,508	10,0727	1,352191984	ENST00000374557	54566	NM_018424	EPB41L4B
A_22_P00004443	5,4784	5,04315	1,352145122	N/A	N/A	BU561321	Inc-COX6C-1
A_21_P0009095	2,0807	1,64553	1,352070145	ENST00000417476	102723536	XR_424775	LOC102723536
A_22_P00025365	4,41924	3,98408	1,352060773	N/A	N/A	N/A	Inc-TUFM-3
A_33_P3397768	3,0631	2,62802	1,351985801	N/A	9701	AK024148	PPP6R2
A_21_P0004882	2,64934	2,21428	1,351967059	N/A	N/A	N/A	Inc-UBR2-2
A_21_P0014360	3,37181	2,93682	1,351901462	N/A	101927057	XR_243788	LOC101927057
A_22_P00017078	6,09482	5,65983	1,351901462	N/A	N/A	N/A	Inc-TUSC5-2
A_21_P0014904	7,59463	7,15966	1,351882721	N/A	N/A	AI686662	N/A
A_33_P3209209	2,22614	1,7912	1,35185461	N/A	N/A	N/A	N/A
A_33_P3218955	6,58778	6,15286	1,351835869	ENST00000611820	7403	NM_001291415	KDM6A
A_21_P0004309	5,06937	4,6345	1,351789019	N/A	N/A	N/A	Inc-NDFIP1-2
A_22_P00016953	2,27739	1,84255	1,35176091	N/A	N/A	BX647332	Inc-TSPYL6-1
A_23_P75310	2,13015	1,69531	1,35176091	ENST00000417247	58504	NM_021226	ARHGAP22
A_23_P163278	9,4636	9,02878	1,35174217	ENST00000261888	54956	NM_017851	PARP16
A_22_P00002008	3,09185	2,65705	1,351723431	ENST00000438026	N/A	N/A	N/A
A_19_P00318097	2,18826	1,75347	1,351714062	ENST00000485404	201617	N/A	LINC00870
A_33_P3847514	8,89668	8,46194	1,351667216	ENST00000415078	135398	NM_001145652	C6orf141
A_22_P00002826	3,64212	3,20739	1,351657847	N/A	N/A	N/A	Inc-C2orf69-3
A_22_P00006179	5,59368	5,15898	1,35162974	ENST00000479592	100507642	NR_108065	LOC100507642
A_22_P00019043	3,21621	2,78153	1,351611003	N/A	N/A	N/A	Inc-TTC8-1

A_23_P168329	2,62915	2,19449	1,351592266	ENST00000259782	27283	NM_014464	TINAG
A_33_P3452003	5,90043	5,46585	1,35151732	N/A	143286	AL049428	LOC143286
A_22_P00007461	8,2977	7,86316	1,351479848	N/A	N/A	BP394394	Inc-GTF2A2-2
A_33_P3252281	6,17251	5,73803	1,351423643	ENST00000355167	2070	NM_004100	EYA4
A_22_P00018223	1,95085	1,51639	1,351404908	N/A	N/A	N/A	Inc-ZNF675-1
A_21_P0013188	2,22771	1,79329	1,35136744	N/A	N/A	N/A	XLOC_I2_013328
A_33_P3394203	5,96505	5,53072	1,35128314	ENST00000372417	25844	N/A	YIPF3
A_24_P302249	1,9861	1,55177	1,35128314	ENST00000463273	336	NM_001643	APOA2
A_23_P41908	6,43445	6,00019	1,351217577	ENST00000522858	10827	NM_018691	FAM114A2
A_22_P00001916	6,33487	5,90066	1,351170748	ENST00000574472	N/A	BG475240	N/A
A_21_P0007088	5,96048	5,52637	1,351077095	N/A	N/A	N/A	Inc-C10orf137-1
A_22_P00015030	4,81598	4,38188	1,35106773	N/A	100874364	NR_047505	HOXC-AS2
A_23_P23924	16,0751	15,641	1,35106773	ENST00000433674	824	NM_001748	CAPN2
A_33_P3275412	2,96683	2,53274	1,351058365	N/A	574406	AK127688	ADAMTSL4-AS1
A_21_P0002363	2,91761	2,48373	1,350861718	N/A	N/A	N/A	Inc-CCDC140-2
A_23_P348028	3,01635	2,58253	1,350805539	ENST00000259211	27179	NM_014440	IL36A
A_21_P0009530	2,79008	2,35628	1,350786813	N/A	N/A	N/A	Inc-RP11-67704.1.1-2
A_23_P52336	12,2307	11,7969	1,350786813	ENST00000335350	219699	NM_170744	UNC5B
A_33_P3322075	5,65552	5,22173	1,35077745	N/A	N/A	AK055942	N/A
A_22_P00002300	2,78803	2,35428	1,350739999	ENST00000541891	26070	AL117582	DKFZP434K028
A_23_P98232	10,0462	9,61248	1,350711911	ENST00000526334	7542	NM_006782	ZFPL1
A_21_P0011359	10,2159	9,78218	1,350711911	ENST00000568033	N/A	XR_248093	N/A
A_21_P0003175	3,52134	3,08781	1,350534037	N/A	N/A	N/A	Inc-TMCC1-4
A_23_P126593	16,1026	15,6692	1,350412347	ENST00000271638	6282	NM_005620	S100A11
A_19_P00317504	4,59299	4,15961	1,350393626	ENST00000382641	N/A	N/A	N/A
A_33_P3377649	7,70167	7,26831	1,350374906	ENST00000470870	10279	NM_005865	PRSS16
A_22_P00023098	5,23287	4,79955	1,350337466	ENST00000422638	N/A	N/A	N/A
A_33_P3242416	5,62871	5,1954	1,350328107	N/A	N/A	N/A	N/A
A_21_P0011283	2,03999	1,60669	1,350318747	ENST00000557440	283547	NR_039982	LINC00639
A_21_P0004480	4,33576	3,90266	1,350131566	N/A	N/A	N/A	Inc-TRIM7-3
A_21_P0006294	3,34117	2,90827	1,349944411	N/A	N/A	N/A	Inc-AUH-2
A_24_P944964	2,06771	1,63484	1,34991634	ENST00000401815	2814	NM_004488	GP5
A_19_P00322898	5,76054	5,3278	1,349794706	ENST00000448692	340591	NR_026551	CA5BP1

A_23_P21776	10,6949	10,2622	1,349757282	ENST00000316634	10302	AK292051	SNAPC5
A_23_P130531	12,5291	12,0965	1,349663727	ENST00000588869	11140	NM_007065	CDC37
A_23_P91814	9,49858	9,06602	1,349626307	ENST00000273158	54977	NM_017875	SLC25A38
A_22_P00013505	3,48611	3,05369	1,349495345	ENST00000539653	100507065	NR_120433	LOC100507065
A_19_P00319633	7,1733	6,74091	1,349467283	N/A	100294145	NR_037178	LOC100294145
A_22_P00012255	7,59867	7,16644	1,349317631	N/A	N/A	N/A	lnc-PPP1R14D-1
A_33_P3296789	8,53193	8,09975	1,349270868	ENST00000486704	55869	NM_001166422	HDAC8
A_23_P15829	9,08274	8,65059	1,349242811	ENST00000584582	7156	NM_004618	TOP3A
A_22_P00018147	1,91232	1,48021	1,349205402	ENST00000582231	101927651	NR_110784	LOC101927651
A_21_P0012994	3,45839	3,02629	1,34919605	N/A	N/A	N/A	XLOC_I2_012082
A_33_P3401846	2,78608	2,35414	1,349046428	N/A	N/A	N/A	N/A
A_21_P0006268	5,62138	5,18951	1,348980973	N/A	N/A	N/A	lnc-FAM75A6-1
A_21_P0011241	4,24314	3,81127	1,348980973	N/A	N/A	N/A	XLOC_I2_004180
A_24_P237586	8,27285	7,84101	1,348952922	ENST00000335174	353322	NM_181726	ANKRD37
A_33_P3405754	7,4258	6,994	1,348915522	ENST00000378223	9731	BC050721	CEP104
A_21_P0007176	7,39033	6,95874	1,348719187	N/A	N/A	N/A	lnc-CTR9-5
A_33_P3399778	5,06669	4,63511	1,348709838	N/A	N/A	N/A	N/A
A_21_P0008990	2,25813	1,82655	1,348709838	N/A	N/A	N/A	lnc-MAP1LC3B-4
A_33_P3346292	6,06416	5,63259	1,34870049	ENST00000379225	55833	AY358682	UBAP2
A_22_P00014386	4,56218	4,13062	1,348691141	N/A	N/A	N/A	lnc-SFI1-1
A_24_P65864	11,1086	10,6771	1,348635052	ENST00000470376	55968	NM_016143	NSFL1C
A_23_P128940	9,5834	9,15194	1,34859766	ENST00000484763	79609	NM_024558	VCPKMT
A_33_P3393412	4,72037	4,28893	1,348578965	ENST00000399676	439915	NM_001001480	KRTAP5-5
A_24_P212860	7,54356	7,11214	1,34856027	ENST00000478126	51531	NM_016481	C9orf156
A_32_P99019	2,00765	1,57626	1,348532228	ENST00000489034	158521	NM_152578	FMR1NB
A_33_P3417670	4,12643	3,69512	1,348457451	ENST00000339868	9187	NM_004727	SLC24A1
A_33_P3367795	7,7837	7,35253	1,348326602	ENST00000380381	6194	N/A	RPS6
A_33_P3315733	7,36807	6,93705	1,348186421	N/A	7109	BC046241	TRAPPC10
A_19_P00316344	8,91498	8,48398	1,348167732	N/A	N/A	N/A	lnc-C9orf69-2
A_33_P3331776	6,0996	5,66867	1,34810232	N/A	N/A	N/A	N/A
A_22_P00004519	2,34464	1,91372	1,348092976	N/A	N/A	N/A	lnc-CR2-1
A_22_P00019526	5,07973	4,64894	1,347971505	ENST00000424177	N/A	N/A	N/A
A_32_P40377	11,3538	10,9231	1,347887417	ENST00000471090	389906	NR_034031	LOC389906

A_33_P3322909	9,79377	9,36308	1,347878074	ENST00000375440	8451	NM_001278513	CUL4A
A_33_P3299122	1,92547	1,49484	1,347822019	ENST00000402929	6927	X71347	HNF1A
A_21_P0006129	1,99913	1,5685	1,347822019	N/A	N/A	N/A	Inc-DMRTA1-6
A_23_P16189	3,0865	2,65591	1,34778465	ENST00000263431	5582	NM_002739	PRKCG
A_24_P59111	2,53368	2,10313	1,347747282	ENST00000619756	1804	NM_001290253	DPP6
A_22_P00022083	2,30846	1,87792	1,34773794	N/A	N/A	AW962513	Inc-ARCN1-1
A_23_P49459	7,00612	6,57559	1,347728598	ENST00000564274	81691	NM_030941	LOC81691
A_21_P0010923	2,04058	1,61005	1,347728598	ENST00000450677	N/A	N/A	N/A
A_24_P64393	7,99946	7,56898	1,34768189	ENST00000358935	54708	NM_017824	mar-05
A_22_P00016713	3,7716	3,34117	1,347635184	N/A	N/A	BC035759	Inc-TRAP1-1
A_21_P0005714	9,07415	8,64375	1,347607161	N/A	N/A	N/A	Inc-C8orf34-1
A_23_P205778	9,23573	8,80535	1,347588479	ENST00000559348	10681	NM_016194	GNB5
A_21_P0013225	7,10532	6,67498	1,347551117	N/A	N/A	N/A	XL0C_I2_013458
A_22_P00002041	7,5668	7,13651	1,347504415	N/A	N/A	N/A	Inc-BHLHE41-2
A_24_P31235	11,8336	11,4034	1,347420356	ENST00000573714	1984	NM_001970	EIF5A
A_23_P126605	5,85239	5,4222	1,347411016	ENST00000463543	29765	NM_013353	TMOD4
A_33_P3389018	4,50275	4,07261	1,34736432	ENST00000536946	390649	NM_001001674	OR4F15
A_23_P108761	10,2548	9,82467	1,34735498	ENST00000289382	55571	NM_017546	CNOT11
A_23_P121196	11,0561	10,626	1,347326963	ENST00000306077	79188	NM_024334	TMEM43
A_21_P0011896	2,86643	2,43636	1,347298947	ENST00000451070	102723927	XR_425551	LOC102723927
A_33_P3342469	3,52226	3,09221	1,347280269	ENST00000321252	219874	NM_001005187	OR6T1
A_23_P60537	11,7858	11,3558	1,347233577	ENST00000374198	9128	NM_004697	PRPF4
A_23_P164999	11,4905	11,0606	1,347140197	ENST00000606400	997	NM_004359	CDC34
A_19_P00316035	3,61214	3,18228	1,347102847	ENST00000591549	101927151	XR_243976	LOC101927151
A_33_P3391387	5,87427	5,44446	1,347056161	N/A	100268168	NR_026682	LOC100268168
A_32_P182662	7,70489	7,27508	1,347056161	ENST00000495670	64853	NM_022831	AIDA
A_22_P00019699	3,18992	2,7602	1,34697213	ENST00000433893	101929542	XR_244985	LOC101929542
A_23_P147397	8,94537	8,51567	1,346953457	ENST00000398093	79659	NM_001080463	DYNC2H1
A_24_P14731	9,6822	9,25251	1,34694412	ENST00000218230	27344	NM_013271	PCSK1N
A_23_P39024	9,62272	9,19311	1,346869432	ENST00000552700	84292	NM_032332	WDR83
A_33_P3292417	13,5487	13,1191	1,346860096	ENST00000358625	11091	NM_017588	WDR5
A_24_P769359	10,9088	10,4792	1,346860096	ENST00000535572	65125	NM_001184985	WNK1
A_23_P74290	5,57471	5,14516	1,346813418	ENST00000490568	115362	NM_052942	GBP5

A_23_P121527	10,7235	10,294	1,346766742	ENST00000261426	51088	NM_015990	KLHL5
A_23_P255298	2,23531	1,80583	1,346748072	ENST00000441594	57467	NM_020707	HHATL
A_33_P3324949	5,48913	5,05972	1,346682729	N/A	646600	AK057462	IGF2BP2-AS1
A_33_P3247190	8,85601	8,42662	1,34666406	ENST00000491136	200014	NM_032449	CC2D1B
A_32_P103669	4,13101	3,70168	1,346608055	ENST00000612805	653641	NM_001164404	GOLGA6C
A_23_P7099	9,91247	9,48325	1,346505385	ENST00000264595	175	NM_000027	AGA
A_33_P3709173	2,35844	1,92922	1,346505385	N/A	57157	NM_001127360	PHTF2
A_21_P0008567	4,59682	4,16764	1,346468053	ENST00000450324	N/A	N/A	N/A
A_32_P170444	10,1901	9,76095	1,346440054	ENST00000265073	10923	NM_006713	SUB1
A_21_P0008820	3,24503	2,81594	1,346384058	N/A	N/A	N/A	Inc-GOLGA8J-1
A_22_P00021185	6,40315	5,97409	1,346356061	N/A	N/A	N/A	Inc-RFC5-1
A_24_P588897	9,04001	8,61095	1,346356061	ENST00000318445	28232	NM_013272	SLCO3A1
A_23_P500873	7,73574	7,30672	1,346318733	ENST00000587977	5892	NM_133629	RAD51D
A_21_P0008383	1,97283	1,54392	1,346216085	N/A	N/A	N/A	Inc-VRK1-5
A_23_P57059	13,6974	13,2685	1,346206754	ENST00000340954	6780	NM_017453	STAU1
A_33_P3297642	11,2685	10,8396	1,346206754	ENST00000369172	63877	NM_022063	FAM204A
A_21_P0004246	4,52632	4,09756	1,346076124	N/A	N/A	N/A	Inc-AC114947.1.1-2
A_22_P00001780	2,04784	1,61911	1,346048133	N/A	N/A	N/A	Inc-ATP2A1-1
A_22_P00018869	2,14256	1,71385	1,346029473	N/A	101928943	NR_120568	LOC101928943
A_33_P3420841	6,11582	5,68712	1,346020143	ENST00000402116	8664	N/A	EIF3D
A_33_P3424067	5,99135	5,56273	1,345945506	ENST00000615954	51111	NM_001300907	SUV420H1
A_23_P171107	3,78708	3,35868	1,345740275	ENST00000376042	85417	NM_033031	CCNB3
A_33_P3236591	9,33856	8,9102	1,345702964	ENST00000602705	146206	NM_001013838	RLTPR
A_19_P00802713	5,6949	5,26659	1,345656326	N/A	101929580	XR_242288	LOC101929580
A_33_P3401301	16,3712	15,9429	1,345646999	ENST00000460281	6170	NM_001000	RPL39
A_23_P10980	4,53247	4,10417	1,345646999	ENST00000545650	23284	NM_015236	LPHN3
A_23_P124486	8,23612	7,80783	1,345637672	ENST00000306726	5780	NM_002833	PTPN9
A_22_P00015947	4,14892	3,72067	1,345600363	ENST00000455894	101926930	NR_047003	LINC00378
A_33_P3406110	3,99519	3,56694	1,345600363	N/A	N/A	N/A	N/A
A_23_P357351	8,63028	8,20211	1,345525749	ENST00000550213	255027	NM_173803	MPV17L
A_21_P0009510	2,49884	2,07069	1,345507096	N/A	N/A	N/A	Inc-KCNG2-1
A_33_P3345051	5,05226	4,62416	1,345460466	ENST00000610896	100507003	NM_001195256	GFY
A_33_P3237250	3,85778	3,42969	1,34545114	ENST00000339615	440307	NR_104604	TTLL13P

A_33_P3232508	11,9053	11,4774	1,345273958	ENST00000618915	6598	NM_003073	SMARCB1
A_19_P00316533	8,02338	7,59548	1,345273958	ENST00000613961	10904	N/A	BLCAP
A_21_P0014374	2,546	2,11824	1,345143418	N/A	N/A	N/A	N/A
A_23_P435833	7,72539	7,29768	1,3450968	ENST00000487406	8939	NM_003934	FUBP3
A_22_P00003351	3,6172	3,18954	1,345050183	ENST00000484698	100302640	N/A	LINC00882
A_33_P3218694	7,90642	7,47882	1,344994245	ENST00000216832	5411	NM_002687	PNN
A_23_P63067	15,1544	14,7269	1,344901021	ENST00000471642	7818	NM_033657	DAP3
A_33_P3293675	3,22308	2,79561	1,344873054	ENST00000611005	10723	NM_006598	SLC12A7
A_21_P0002867	2,11459	1,68719	1,344807802	ENST00000487772	N/A	N/A	N/A
A_23_P144827	2,62722	2,1999	1,344733232	ENST00000504595	23194	NM_012304	FBXL7
A_33_P3313258	10,1734	9,74611	1,34470527	ENST00000378736	83858	NM_031921	ATAD3B
A_21_P0006972	1,9682	1,54094	1,344677308	N/A	N/A	N/A	Inc-C10orf31-6
A_23_P100730	6,6436	6,21635	1,344667987	ENST00000579476	8631	NM_003726	SKAP1
A_33_P3269899	1,96591	1,53871	1,344621385	ENST00000475774	8434	NM_021111	RECK
A_23_P139396	14,0734	13,6462	1,344621385	ENST00000532270	51501	NM_016401	C11orf73
A_23_P104318	15,6626	15,2354	1,344621385	ENST00000307365	54541	NM_019058	DDIT4
A_24_P254705	5,80916	5,382	1,344584105	ENST00000491337	57116	NM_020394	ZNF695
A_23_P342108	4,80639	4,37936	1,344462951	ENST00000292779	164592	NM_152612	CCDC116
A_21_P0010297	2,11262	1,68565	1,344407038	N/A	N/A	N/A	Inc-ICOSLG-5
A_22_P00012344	3,26485	2,83793	1,344360445	ENST00000618339	N/A	N/A	N/A
A_33_P3221341	4,33319	3,90643	1,344211359	ENST00000371681	143279	NM_173497	HECTD2
A_32_P213661	8,56167	8,13497	1,344155456	ENST00000470137	160857	NM_144974	CCDC122
A_33_P3215768	10,8889	10,4622	1,344155456	ENST00000543196	11226	NM_007210	GALNT6
A_33_P3341985	2,0043	1,5776	1,344155456	ENST00000321844	100506127	NM_001282456	LOC100506127
A_23_P368195	4,62824	4,20157	1,344127505	ENST00000286307	134353	NM_173491	LSM11
A_23_P215449	11,3323	10,9057	1,344062289	ENST00000339594	9031	NM_032408	BAZ1B
A_23_P98605	15,5446	15,118	1,344062289	ENST00000525717	51035	NM_015853	UBXN1
A_33_P3292148	2,26514	1,83855	1,344052973	N/A	729224	XR_159398	LOC729224
A_22_P00003299	3,66542	3,23885	1,344034341	ENST00000568695	101929224	NR_110787	LOC101929224
A_21_P0001344	4,2442	3,81763	1,344034341	N/A	N/A	N/A	Inc-SLC44A3-2
A_33_P3423954	5,12274	4,69632	1,343894606	ENST00000269399	84733	NM_032647	CBX2
A_22_P00003303	4,02589	3,59951	1,343857346	N/A	N/A	N/A	Inc-CAND2-1
A_33_P3318624	5,1991	4,77278	1,343801457	ENST00000530930	1488	NM_001290214	CTBP2

A_33_P3221384	4,99912	4,57282	1,343782828	N/A	N/A	N/A	N/A
A_23_P98057	9,01627	8,59007	1,343689688	ENST00000395797	7580	NM_001005368	ZNF32
A_21_P0014146	5,89844	5,47224	1,343689688	N/A	N/A	AW274973	Inc-RASA1-5
A_21_P0000274	7,77314	7,34696	1,34367106	ENST00000503170	619570	NR_002591	SNORD95
A_23_P383601	7,62479	7,19889	1,343410304	N/A	379025	NR_029434	PSMA3-AS1
A_24_P357536	7,94917	7,52333	1,343354435	ENST00000480038	80204	NM_001190274	FBXO11
A_23_P256526	1,94874	1,52295	1,343307878	ENST00000619534	7634	NM_007136	ZNF80
A_23_P345361	9,63246	9,20669	1,343289256	ENST00000619301	147339	NM_145055	C18orf25
A_22_P00007546	2,03268	1,60693	1,343270634	ENST00000457683	N/A	N/A	N/A
A_21_P0000272	4,78199	4,35625	1,343261324	N/A	26798	NR_002589	SNORD51
A_23_P212241	2,03544	1,60973	1,343233392	ENST00000620033	10752	NM_006614	CHL1
A_21_P0010689	4,14553	3,71998	1,343084431	N/A	N/A	N/A	XLOC_I2_000018
A_23_P103877	2,18236	1,75683	1,343065812	ENST00000376085	126755	NM_001010847	LRRC38
A_33_P3357580	11,6825	11,2571	1,342944795	ENST00000330263	51154	NM_016183	MRTO4
A_21_P0008023	2,18202	1,75668	1,342888944	N/A	N/A	N/A	Inc-RASA3-1
A_22_P00019171	2,85349	2,42818	1,34286102	N/A	N/A	AK057158	Inc-ENY2-1
A_24_P926684	4,57497	4,1497	1,342823788	ENST00000503418	7323	AF116686	UBE2D3
A_33_P3287731	3,31535	2,89011	1,342795865	N/A	23522	AA626923	KAT6B
A_22_P00015116	1,94948	1,52424	1,342795865	N/A	N/A	N/A	Inc-SNX19-1
A_22_P00022830	4,96064	4,53553	1,342674873	N/A	N/A	N/A	Inc-ROPN1B-1
A_19_P00805076	5,42891	5,00383	1,342646953	N/A	102724030	XR_424361	LOC102724030
A_33_P3280106	3,67972	3,25466	1,34262834	ENST00000277549	774	NM_001243812	CACNA1B
A_24_P684186	10,791	10,366	1,342572503	ENST00000622787	133418	NM_198449	EMB
A_22_P00022869	1,94027	1,51536	1,342488751	ENST00000418246	9491	N/A	PSMF1
A_33_P3305173	6,85275	6,42789	1,342442225	ENST00000479991	340526	NM_001024455	RGAG4
A_23_P347508	10,8696	10,4448	1,342386396	ENST00000371538	65260	NM_023077	COA7
A_24_P211709	3,52652	3,10175	1,342358482	ENST00000371106	7512	NM_003399	XPNPPE2
A_22_P00001794	2,31498	1,89022	1,342349177	N/A	N/A	N/A	Inc-ATP6AP1L-1
A_22_P00022871	5,22759	4,80286	1,342321264	ENST00000533793	101928894	NR_120565	LOC101928894
A_23_P115124	10,0656	9,64095	1,342246832	ENST00000284551	81559	NM_145214	TRIM11
A_22_P00016324	4,3803	3,95566	1,342237528	N/A	101929911	XR_251682	LOC101929911
A_21_P0010992	1,98218	1,55754	1,342237528	N/A	N/A	N/A	XLOC_I2_002433
A_22_P00020072	6,58623	6,1616	1,342228225	N/A	N/A	AV707226	Inc-BAG3-1

A_33_P6570838	9,05388	8,62932	1,342163101	ENST00000287594	255027	AF075063	MPV17L
A_21_P0008722	7,86096	7,43656	1,342014259	N/A	N/A	N/A	Inc-RASGRP1-5
A_22_P00009725	1,95755	1,53317	1,341995655	ENST00000555255	101927129	NR_120323	LINC01580
A_32_P49867	3,90097	3,4766	1,341986353	ENST00000622710	100507055	NM_001195520	LRCOL1
A_33_P3766635	2,05772	1,63338	1,341958447	ENST00000318666	N/A	AB529246	N/A
A_22_P00006928	4,01958	3,59529	1,341911939	ENST00000569373	N/A	BC037164	N/A
A_21_P0012650	3,00613	2,58194	1,341818928	N/A	N/A	N/A	XLOC_I2_011027
A_24_P197537	5,64389	5,21971	1,341809627	ENST00000340978	8622	NM_003719	PDE8B
A_33_P3273424	4,03769	3,61357	1,341753824	ENST00000490291	54884	N/A	RETSAT
A_22_P00003163	4,41046	3,98634	1,341753824	N/A	N/A	N/A	Inc-C9orf53-1
A_23_P90099	15,4036	14,9796	1,341642225	ENST00000588560	374882	NM_198536	TMEM205
A_21_P0008448	6,75405	6,33005	1,341642225	N/A	101927856	XR_245773	LOC101927856
A_33_P3214179	6,27636	5,85239	1,341614327	N/A	N/A	N/A	N/A
A_23_P23611	6,01763	5,59368	1,341595728	ENST00000494409	278	NM_001008219	AMY1C
A_22_P00009460	4,19872	3,77481	1,341558531	N/A	N/A	N/A	Inc-MAEA-1
A_33_P3369964	5,11986	4,69606	1,341456247	ENST00000569119	342371	N/A	ATXN1L
A_21_P0002506	3,99424	3,57045	1,341446948	N/A	N/A	N/A	Inc-TMEM163-1
A_21_P0010943	7,26905	6,84532	1,341391116	ENST00000444438	N/A	XM_005269836	N/A
A_33_P3396270	8,52391	8,10019	1,341381863	ENST00000223073	389015	NM_001011552	SLC9A4
A_24_P100351	13,0709	12,6472	1,341363267	N/A	54552	NM_019067	GNL3L
A_22_P00013099	4,73235	4,30877	1,3412517	ENST00000502221	101927710	XR_247890	LOC101927710
A_33_P3398897	10,0885	9,66492	1,3412517	ENST00000281243	5860	NM_000320	QDPR
A_23_P15832	2,19485	1,77131	1,341214514	ENST00000575751	8386	NM_014566	OR1D5
A_33_P3295358	9,94418	9,52064	1,341214514	ENST00000301455	51129	NM_139314	ANGPTL4
A_33_P3322499	4,76387	4,34058	1,340982119	ENST00000344893	401898	NR_028594	ZNF833P
A_23_P30995	10,0342	9,61099	1,340907761	ENST00000369681	51167	NM_016230	CYB5R4
A_33_P3385993	3,96832	3,54514	1,340879878	ENST00000375934	164395	NM_001008409	TTLL9
A_22_P00007762	2,10195	1,67894	1,340721885	N/A	N/A	N/A	Inc-HMOX1-1
A_21_P0007638	5,89337	5,47039	1,340694005	ENST00000547114	N/A	N/A	N/A
A_33_P3423202	3,40724	2,98432	1,340638249	N/A	N/A	N/A	N/A
A_33_P3244083	8,66299	8,2401	1,340610371	ENST00000523968	23303	NM_015254	KIF13B
A_33_P3272075	4,28113	3,85825	1,340601079	ENST00000234961	4985	NM_000911	OPRD1
A_23_P6914	9,89666	9,47392	1,340470992	ENST00000296220	114885	NM_022776	OSBPL11



A_22_P00010228	2,53408	2,11144	1,340378081	ENST00000502684	N/A	N/A	N/A
A_32_P204381	11,018	10,5954	1,340340919	ENST00000567518	57019	NM_020313	CIAPIN1
A_23_P173	4,12894	3,70634	1,340340919	ENST00000368078	844	NM_001231	CASQ1
A_21_P0003242	5,04815	4,62558	1,340313047	N/A	N/A	N/A	Inc-EPHA6-1
A_33_P3271410	6,69945	6,27694	1,340257306	ENST00000302236	79725	NM_024672	THAP9
A_23_P112801	14,7335	14,311	1,340248017	ENST00000334660	11261	NM_007236	CHP1
A_33_P3259028	5,60641	5,18392	1,340238727	ENST00000343526	8805	AK127592	TRIM24
A_21_P0006388	3,61663	3,19424	1,340145832	ENST00000603487	101928550	NR_121580	SMC2-AS1
A_23_P76690	13,1242	12,7019	1,340062232	ENST00000606347	7347	NM_006002	UCHL3
A_23_P127475	10,8342	10,4119	1,340062232	ENST00000530384	9973	NM_005125	CCS
A_24_P38815	11,0222	10,5999	1,340062232	ENST00000299427	1200	NM_000391	TPP1
A_33_P3831730	7,45817	7,03588	1,340052943	N/A	N/A	N/A	Inc-NDUFA4-2
A_33_P3217689	9,97786	9,5556	1,340025078	ENST00000396137	133746	NM_152405	JMY
A_22_P00005062	2,8343	2,41209	1,339978637	ENST00000522882	N/A	DA411236	N/A
A_23_P250002	8,23941	7,81722	1,339960061	ENST00000416605	57531	NM_020771	HACE1
A_23_P403521	9,47139	9,0492	1,339960061	ENST00000485025	57002	NM_020192	YAE1D1
A_21_P0010736	4,3058	3,88362	1,339950773	ENST00000457321	N/A	N/A	N/A
A_21_P0013563	3,5795	3,15759	1,339700025	N/A	N/A	N/A	XLOC_I2_014771
A_22_P00000129	12,2431	11,8212	1,339690739	ENST00000619374	57494	NR_123740	RIMKLB
A_33_P3279162	3,40309	2,98124	1,33964431	ENST00000370040	653149	NM_001143987	NBPF6
A_23_P143047	7,70713	7,28547	1,339467893	ENST00000522587	90423	NM_080653	ATP6V1E2
A_33_P3253249	18,3622	17,9406	1,339412187	ENST00000534180	2495	NM_002032	FTH1
A_23_P137427	12,9901	12,5685	1,339412187	ENST00000372759	10269	NM_005857	ZMPSTE24
A_21_P0002039	2,0423	1,62072	1,339393619	N/A	N/A	N/A	Inc-AC013480.1.1-2
A_33_P3220347	4,70325	4,28172	1,3393472	N/A	285888	NM_001103176	CNPY1
A_23_P89824	8,08059	7,65914	1,339272933	ENST00000473688	85019	NM_032933	TMEM241
A_23_P76851	13,2873	12,8659	1,339226518	ENST00000553915	10419	NM_001039619	PRMT5
A_23_P11032	7,62875	7,20737	1,339207952	ENST00000491894	84679	NM_032591	SLC9A7
A_33_P3369565	8,16702	7,7457	1,339152258	ENST00000397172	54840	NM_001195252	APTX
A_22_P00010905	4,78735	4,36606	1,339124411	N/A	100294362	NR_029376	LOC100294362
A_21_P0010556	4,54509	4,1238	1,339124411	N/A	N/A	N/A	XLOC_I2_000416
A_24_P68585	9,56553	9,14429	1,339078001	ENST00000444664	6464	NM_183001	SHC1
A_33_P3228445	3,98071	3,55947	1,339078001	ENST00000317594	486	NM_001680	FXD2

A_23_P26037	6,63045	6,2093	1,338994468	ENST00000451277	84978	NM_032892	FRMD5
A_33_P3372090	4,01919	3,59808	1,338957343	N/A	N/A	N/A	N/A
A_22_P00019852	2,95837	2,53731	1,33891094	N/A	101927200	XR_244180	LOC101927200
A_24_P206317	2,52501	2,10396	1,338901659	ENST00000461159	9734	NM_058176	HDAC9
A_33_P3304865	3,7099	3,28886	1,338892378	N/A	26046	BC031633	LTN1
A_21_P0013117	7,21214	6,79111	1,338883098	ENST00000612111	N/A	N/A	N/A
A_23_P171054	6,67097	6,25011	1,33872534	ENST00000376983	2002	NM_005229	ELK1
A_33_P3422740	7,87711	7,45629	1,338688223	ENST00000424684	N/A	XM_006710255	N/A
A_33_P3382229	7,90026	7,47948	1,338651107	ENST00000492075	7140	NM_001297646	TNNT3
A_23_P166087	2,85308	2,43233	1,338623271	ENST00000379376	9770	NM_014737	RASSF2
A_21_P0011196	2,29226	1,87154	1,338595436	ENST00000548416	N/A	N/A	N/A
A_33_P3256272	4,20961	3,78903	1,338465544	ENST00000400372	386680	NM_198694	KRTAP10-5
A_33_P3271316	7,39358	6,97304	1,338428434	ENST00000322177	54913	NM_017793	RPP25
A_21_P0007419	4,90751	4,48702	1,338382049	N/A	N/A	N/A	Inc-NFRKB-1
A_33_P3385686	4,21602	3,79556	1,338354218	N/A	N/A	N/A	N/A
A_21_P0012865	2,35862	1,93819	1,338326388	N/A	N/A	N/A	XLOC_I2_011870
A_33_P3311621	4,49778	4,07735	1,338326388	N/A	338739	NR_034027	CSTF3-AS1
A_33_P3417640	3,07692	2,65661	1,338215074	ENST00000156499	43847	NM_022046	KLK14
A_33_P3317305	6,01985	5,5996	1,33815942	ENST00000619456	116987	NM_001244888	AGAP1
A_24_P409494	8,55044	8,13035	1,338011022	ENST00000399781	23786	NM_015367	BCL2L13
A_23_P253484	8,06697	7,64698	1,337918281	ENST00000353187	51166	NM_016228	AADAT
A_21_P0009031	2,03803	1,61806	1,337899734	N/A	N/A	N/A	Inc-TOX3-3
A_22_P00004199	3,44813	3,02819	1,337871913	ENST00000615716	N/A	N/A	N/A
A_22_P00001128	2,01341	1,5935	1,337844093	ENST00000501541	N/A	AK093366	N/A
A_24_P283928	9,4702	9,05036	1,337779182	ENST00000447747	79035	NM_024068	NABP2
A_33_P3260014	2,17311	1,75327	1,337779182	ENST00000329066	7173	NM_175721	TPO
A_21_P0004953	3,80957	3,38974	1,337769909	N/A	N/A	N/A	Inc-PHACTR2-1
A_33_P3289995	5,16242	4,7426	1,337760637	ENST00000369232	85015	N/A	USP45
A_23_P102412	8,46801	8,04821	1,337742091	ENST00000234453	65977	NM_019091	PLEKHA3
A_21_P0008672	1,98883	1,56906	1,337714274	N/A	N/A	N/A	Inc-CRTC3-1
A_23_P8539	8,307	7,88724	1,337705002	ENST00000482149	221955	NM_139179	DAGLB
A_21_P0013047	5,24395	4,8242	1,33769573	N/A	100289495	N/A	LOC100289495
A_21_P0007271	4,59666	4,17703	1,337584468	N/A	N/A	N/A	Inc-DDI1-3

A_33_P3554318	5,07473	4,65512	1,337565925	ENST00000532542	10612	NM_006458	TRIM3
A_33_P3356631	4,41838	3,9988	1,337538112	ENST00000330236	7745	NM_001278119	ZKSCAN8
A_23_P132263	9,18034	8,76082	1,337482486	ENST00000330125	56478	NM_019843	EIF4ENIF1
A_24_P403303	6,41505	5,99556	1,337454674	ENST00000395374	51105	NM_198513	PHF20L1
A_33_P3366195	2,76174	2,34235	1,337361972	ENST00000527771	9915	NM_014862	ARNT2
A_22_P00019251	1,97805	1,55875	1,337278546	ENST00000511291	N/A	N/A	N/A
A_23_P217208	5,71123	5,29198	1,3372322	ENST00000376529	7355	NM_005660	SLC35A2
A_33_P3372237	10,2443	9,82508	1,337204393	ENST00000521716	25879	NM_015420	DCAF13
A_33_P3390246	4,99496	4,57577	1,337176587	N/A	N/A	AK123701	N/A
A_21_P0012365	2,34505	1,9259	1,337139513	ENST00000433639	N/A	N/A	N/A
A_24_P22976	9,66108	9,24193	1,337139513	ENST00000593460	27106	NM_001025604	ARRDC2
A_33_P3306973	8,06157	7,64244	1,337120977	N/A	N/A	N/A	N/A
A_33_P3243878	11,9961	11,577	1,337093172	ENST00000618348	643707	NM_001267536	GOLGA6L4
A_21_P0003545	5,04713	4,62824	1,336898558	ENST00000512036	N/A	N/A	N/A
A_22_P00008189	2,73167	2,31288	1,336805895	N/A	N/A	N/A	Inc-INSIG1-2
A_24_P392958	9,19972	8,78093	1,336805895	ENST00000461188	128637	NM_144628	TBC1D20
A_33_P3233081	8,99329	8,57456	1,3367503	ENST00000423982	4439	NM_002441	MSH5
A_21_P0014870	9,67354	9,25481	1,3367503	ENST00000552477	N/A	N/A	N/A
A_33_P3360540	16,0029	15,5842	1,336722503	ENST00000538402	10555	NM_006412	AGPAT2
A_21_P0000094	5,22579	4,80709	1,336722503	ENST00000391796	945	NM_001177608	CD33
A_24_P122050	12,085	11,6664	1,336629852	ENST00000381899	9491	NM_006814	PSMF1
A_21_P0005354	5,62498	5,20644	1,336574264	N/A	N/A	N/A	Inc-OCM-1
A_22_P00024545	5,5724	5,15395	1,336490887	N/A	N/A	N/A	Inc-LUZP1-1
A_33_P3361337	8,8222	8,40376	1,336481623	ENST00000468535	202915	NM_001097620	TMEM184A
A_23_P130429	7,6743	7,25604	1,336314885	ENST00000584687	6093	NM_005406	ROCK1
A_33_P3372844	14,6511	14,2329	1,33625931	ENST00000479602	54606	NM_019082	DDX56
A_23_P17490	13,6633	13,2451	1,33625931	ENST00000379286	29058	NM_001009924	TMEM230
A_22_P00003086	2,16724	1,74908	1,336222262	N/A	102723322	XR_426337	LOC102723322
A_23_P25525	14,3708	13,9527	1,336166691	ENST00000439403	2971	NM_002097	GTF3A
A_24_P26897	10,8319	10,4138	1,336166691	ENST00000368594	3632	NM_005539	INPP5A
A_23_P41066	11,1892	10,7711	1,336166691	ENST00000359365	11186	NM_170713	RASSF1
A_21_P0010042	2,56576	2,14769	1,336138907	N/A	101929863	XR_253974	LOC101929863
A_33_P3337026	9,94019	9,52245	1,335833315	ENST00000568600	N/A	U17986	N/A

A_23_P322854	2,94	2,52231	1,335787019	N/A	N/A	BC010426	N/A
A_22_P00005230	1,94766	1,53	1,335759243	ENST00000427085	100507242	XR_424548	SNHG23
A_23_P208310	10,7576	10,3401	1,335611111	ENST00000309424	10849	NM_012099	CD3EAP
A_24_P172768	10,424	10,0065	1,335611111	ENST00000616146	2764	NM_004124	GMFB
A_32_P152696	11,8875	11,47	1,335611111	N/A	N/A	N/A	N/A
A_23_P345065	9,16694	8,74946	1,335592595	ENST00000480357	51540	NM_016510	SCLY
A_21_P0010484	1,93617	1,51875	1,335537051	N/A	N/A	N/A	Inc-C22orf34-1
A_33_P3326917	1,88462	1,46727	1,335472252	ENST00000329363	440836	NM_001014440	ODF3B
A_24_P164731	10,6904	10,2731	1,335425968	ENST00000591157	11018	NM_006858	TMED1
A_33_P3294314	4,02012	3,60282	1,335425968	N/A	N/A	N/A	N/A
A_33_P3215517	8,42983	8,01276	1,335213087	ENST00000375433	55920	NM_018715	RCC2
A_33_P3276461	3,59667	3,17961	1,335203832	N/A	N/A	AK096231	N/A
A_23_P70384	10,3423	9,92526	1,335185322	ENST00000229866	9025	NM_003958	RNF8
A_24_P272290	9,63446	9,21743	1,335176067	ENST00000380283	221749	NM_183373	PXDC1
A_23_P91095	2,06312	1,64612	1,335148303	ENST00000374481	940	NM_006139	CD28
A_21_P0008245	4,07153	3,65461	1,335074269	N/A	N/A	N/A	Inc-USP12-2
A_22_P00013630	4,60711	4,19019	1,335074269	N/A	N/A	DB067770	Inc-RP11-625H11.1.1-2
A_23_P82859	7,12225	6,70534	1,335065015	ENST00000297438	734	NM_004337	OSGIN2
A_32_P902988	3,1859	2,76911	1,334953972	ENST00000373765	4146	NM_002379	MATN1
A_33_P3353672	10,9641	10,5474	1,334870696	ENST00000338176	9364	NM_004249	RAB28
A_33_P3268224	4,47197	4,05533	1,334815181	ENST00000274008	166378	NM_145207	SPATA5
A_33_P3397733	2,9124	2,49581	1,334768921	ENST00000559921	283726	NM_001008226	FAM154B
A_21_P0006302	1,89392	1,47736	1,334741166	N/A	N/A	N/A	Inc-ALG2-3
A_21_P0000216	9,6814	9,2649	1,334685656	ENST00000492798	26813	NR_000016	SNORD36C
A_33_P3306452	6,41424	5,99781	1,334620899	ENST00000465474	N/A	XM_005263605	N/A
A_33_P3876192	4,00712	3,5907	1,334611648	N/A	28823	BQ708343	IGLV1-44
A_22_P00017749	5,71771	5,30144	1,334472893	N/A	N/A	N/A	Inc-YIF1A-1
A_33_P3421832	5,28462	4,86837	1,334454393	N/A	N/A	CU677276	N/A
A_23_P321855	10,6321	10,2159	1,334408145	ENST00000375736	8874	NM_003899	ARHGEF7
A_33_P3224730	4,92998	4,5138	1,334389646	ENST00000623487	256158	NM_001291815	HMCN2
A_21_P0011960	6,80812	6,39205	1,334287908	ENST00000449819	100506797	XR_112377	LOC100506797
A_23_P165952	8,16101	7,745	1,334232418	ENST00000243903	79913	NM_024855	ACTR5
A_21_P0008752	2,16805	1,75206	1,334213922	N/A	N/A	N/A	Inc-ITGA11-2

A_33_P3338539	4,72349	4,30759	1,334130692	N/A	N/A	N/A	N/A
A_23_P170467	11,655	11,2391	1,334130692	ENST00000561381	9960	NM_006537	USP3
A_22_P00015267	6,16616	5,75031	1,334084455	N/A	N/A	CD522735	Inc-SPARCL1-1
A_21_P0013050	4,66241	4,24657	1,334075208	N/A	102724511	N/A	LOC102724511
A_23_P13683	6,59483	6,17906	1,33401048	ENST00000300101	9880	NM_014830	ZBTB39
A_21_P0009047	2,32155	1,90581	1,33398274	N/A	N/A	N/A	Inc-TK2-6
A_22_P00000680	5,36996	4,95432	1,333890279	N/A	N/A	N/A	Inc-ADAL-1
A_23_P167017	6,78913	6,3735	1,333881033	ENST00000264231	64091	NM_022135	POPDC2
A_21_P0009374	2,55756	2,14193	1,333881033	N/A	N/A	N/A	Inc-FAM57A-1
A_21_P0014069	2,1527	1,73716	1,333797823	N/A	N/A	N/A	N/A
A_23_P62920	10,8701	10,4546	1,333760843	ENST00000538366	22920	NM_014970	KIFAP3
A_22_P00004869	7,71248	7,29698	1,333760843	N/A	N/A	N/A	Inc-CYP7B1-3
A_33_P3424826	3,75129	3,33579	1,333760843	N/A	N/A	N/A	N/A
A_21_P0003667	3,08817	2,67268	1,333751598	N/A	N/A	N/A	Inc-ARFIP1-1
A_33_P3310276	4,10783	3,69235	1,333742354	N/A	55124	XM_005273551	PIWIL2
A_33_P3370511	8,30983	7,89436	1,333733109	ENST00000425501	N/A	AK128128	N/A
A_21_P0012376	9,04878	8,63338	1,333668397	ENST00000418195	8487	NM_001009183	GEMIN2
A_23_P216402	9,24901	8,83367	1,333612933	ENST00000491309	83549	NM_031432	UCK1
A_24_P98277	10,4844	10,0691	1,333575958	ENST00000523420	51125	NM_001002296	GOLGA7
A_32_P79190	5,15562	4,74041	1,333492767	ENST00000399720	100874392	NR_046228	ANKRD20A12P
A_21_P0007507	3,36872	2,95351	1,333492767	N/A	N/A	N/A	Inc-C1QL4-3
A_23_P149858	4,74929	4,3341	1,333474281	ENST00000370005	83401	NM_152310	ELOVL3
A_24_P945293	7,72098	7,30584	1,333428067	ENST00000263856	51652	NM_016079	CHMP3
A_21_P0005210	4,81533	4,40024	1,333381855	ENST00000447039	101927354	NR_108073	LOC101927354
A_33_P3401658	3,44989	3,03485	1,333335644	ENST00000593482	5670	NM_031246	PSG2
A_22_P00008928	5,42994	5,01505	1,333197022	N/A	N/A	N/A	Inc-KRR1-1
A_22_P00022810	9,32624	8,91137	1,33317854	ENST00000434904	23509	NM_015352	POFUT1
A_24_P116871	10,9099	10,4951	1,333113855	ENST00000355491	10907	AK314901	TXNL4A
A_23_P144202	7,49654	7,08175	1,333104615	ENST00000483569	60678	NM_021937	EEFSEC
A_23_P76034	8,54884	8,13406	1,333095375	ENST00000524510	5818	NM_203286	PVRL1
A_21_P0007247	10,1219	9,70714	1,333076894	ENST00000526795	100506233	NR_038903	RAB30-AS1
A_33_P3403102	2,12138	1,70681	1,332901342	ENST00000322583	285800	NM_175922	PRR18
A_22_P00016840	4,47132	4,05676	1,332892103	N/A	N/A	DA509635	Inc-TRMT61B-2

A_21_P0001059	2,21428	1,79977	1,33284591	ENST00000423842	101929565	N/A	LOC101929565
A_21_P0007521	1,82497	1,41053	1,332781241	N/A	N/A	N/A	Inc-CLEC4D-1
A_22_P00007215	2,51738	2,10297	1,332753527	N/A	N/A	BQ435778	Inc-GPC6-2
A_23_P24709	11,7379	11,3235	1,332744289	ENST00000263847	5007	NM_002556	OSBP
A_33_P3324149	4,80164	4,38731	1,332679625	N/A	N/A	N/A	N/A
A_32_P87649	3,45369	3,03938	1,332661151	ENST00000468258	127391	NM_001008740	TMCO2
A_33_P3393106	6,87181	6,45767	1,332504126	ENST00000436829	80013	NM_024948	FAM188A
A_23_P157795	14,3431	13,929	1,332467181	ENST00000374594	8727	NM_003798	CTNNAL1
A_21_P0006387	3,16503	2,75102	1,33238406	N/A	N/A	N/A	Inc-ERP44-3
A_24_P399630	9,26666	8,85265	1,33238406	ENST00000350356	5566	NM_002730	PRKACA
A_33_P3691168	4,12155	3,70756	1,33236559	ENST00000611895	133396	NM_001297572	IL31RA
A_33_P3355296	7,8413	7,42733	1,332347119	ENST00000467427	728294	XM_006712726	D2HGDH
A_22_P00010781	3,91689	3,50292	1,332347119	ENST00000368592	84504	N/A	NKX6-2
A_33_P3220376	6,06971	5,65578	1,332310179	N/A	N/A	N/A	N/A
A_22_P00022561	4,64624	4,23232	1,332300945	N/A	100507099	NR_103839	FRY-AS1
A_21_P0011966	3,52073	3,10687	1,332245537	ENST00000428123	100216479	NR_046258	FAR2P2
A_21_P0014333	3,99969	3,58584	1,332236303	N/A	N/A	DA101410	N/A
A_24_P461497	7,49486	7,08106	1,332190132	ENST00000567299	N/A	N/A	N/A
A_33_P3360863	4,81215	4,3984	1,332143962	ENST00000610177	644794	XR_242295	LOC644794
A_23_P162142	11,594	11,1803	1,332097794	ENST00000527881	25987	NM_015516	TSKU
A_19_P00317851	1,91798	1,5043	1,332079328	ENST00000508998	N/A	N/A	N/A
A_24_P30206	10,467	10,0534	1,332005464	ENST00000278100	56647	NM_078468	BCCIP
A_23_P404667	12,48	12,0664	1,332005464	ENST00000216115	638	NM_001197	BIK
A_32_P129540	9,02662	8,61302	1,332005464	ENST00000547904	728739	NR_037629	LOC728739
A_33_P3301620	10,5566	10,143	1,332005464	ENST00000469382	140545	NM_001184997	RNF32
A_22_P00009312	1,8619	1,44831	1,331996231	ENST00000558226	N/A	DB001621	N/A
A_19_P00811038	5,5922	5,17863	1,331977766	ENST00000424306	N/A	N/A	N/A
A_22_P00022421	1,98924	1,57568	1,331968533	N/A	554202	NR_027054	MIR31HG
A_24_P349547	11,1378	10,7243	1,331913139	ENST00000546724	N/A	N/A	N/A
A_22_P00010530	2,23568	1,82222	1,331876211	ENST00000509000	N/A	N/A	N/A
A_21_P0007932	3,36075	2,9473	1,331866979	ENST00000425609	100874159	N/A	LINC00400
A_23_P152995	2,22171	1,80836	1,331774665	ENST00000579221	6532	NM_001045	SLC6A4
A_22_P00011134	2,39004	1,97676	1,331710048	N/A	101927143	N/A	LOC101927143

A_22_P00007460	2,24036	1,82709	1,331700817	N/A	N/A	N/A	Inc-GTF2A2-1
A_22_P00017806	7,69116	7,27789	1,331700817	N/A	N/A	N/A	Inc-ZBTB25-2
A_33_P3237605	3,52279	3,10954	1,331682356	N/A	N/A	N/A	N/A
A_33_P3320718	9,60256	9,18932	1,331673126	ENST00000564039	84326	NR_109978	C16orf13
A_33_P3324114	2,08895	1,67571	1,331673126	N/A	285194	N/A	TUSC7
A_23_P94174	13,7957	13,3825	1,331636204	ENST00000260102	29088	NM_014175	MRPL15
A_24_P323967	5,26318	4,84998	1,331636204	ENST00000422689	400713	NM_001145434	ZNF880
A_21_P0013302	7,16826	6,75514	1,331562365	ENST00000413875	N/A	N/A	N/A
A_33_P3396010	4,47261	4,05963	1,331433156	ENST00000438221	177	NM_001206966	AGER
A_24_P103469	1,94617	1,53321	1,331414698	ENST00000376092	7940	NM_007161	LST1
A_21_P0001203	1,89811	1,48527	1,331303959	ENST00000436955	101929093	N/A	LINC01350
A_23_P52176	8,31575	7,90291	1,331303959	ENST00000340684	7678	NM_003431	ZNF124
A_24_P107897	11,7064	11,2937	1,331174774	ENST00000356957	51061	XM_005255346	TXNDC11
A_32_P75299	14,5276	14,1149	1,331174774	ENST00000544379	401505	NM_001134484	TOMM5
A_24_P119259	5,61409	5,20159	1,330990247	ENST00000426663	8548	NM_003666	BLZF1
A_22_P00013645	1,91649	1,50403	1,330953345	N/A	N/A	N/A	Inc-RP11-650K20.3.1-1
A_24_P865245	2,23917	1,82672	1,330944119	ENST00000565327	N/A	N/A	N/A
A_33_P3350658	2,22489	1,81252	1,330870318	ENST00000367893	4009	NM_177398	LMX1A
A_21_P0007619	6,04078	5,62841	1,330870318	ENST00000547554	N/A	N/A	N/A
A_21_P0010220	8,0002	7,58785	1,330851869	ENST00000623794	101930100	XR_424058	LOC101930100
A_33_P3356877	1,99772	1,5854	1,330824195	ENST00000374781	138803	NM_001001961	OR13C3
A_22_P00012135	2,69351	2,2812	1,33081497	ENST00000511962	102724598	XR_425736	LOC102724598
A_22_P00001912	6,31931	5,90701	1,330805746	ENST00000470638	5558	NM_000947	PRIM2
A_22_P00014701	8,01375	7,60145	1,330805746	N/A	N/A	N/A	Inc-SLC25A35-1
A_22_P00015717	4,71433	4,30206	1,330778073	ENST00000528445	N/A	N/A	N/A
A_23_P74723	1,82754	1,41532	1,330731952	ENST00000367641	84066	NM_032126	TEX35
A_21_P0007868	5,05464	4,64244	1,330713504	N/A	N/A	N/A	Inc-RBP5-1
A_21_P0010674	4,98289	4,57077	1,330639716	N/A	101928670	N/A	LOC101928670
A_32_P213349	2,97111	2,55907	1,330565932	N/A	N/A	N/A	Inc-DPP4-1
A_23_P104705	8,65173	8,23974	1,330519819	ENST00000546034	3177	NM_001532	SLC29A2
A_23_P162734	12,3476	11,9357	1,330436819	ENST00000381570	6049	NM_005977	RNF6
A_24_P31929	8,40567	7,99388	1,330335382	ENST00000449135	5638	NM_000950	PRRG1
A_23_P133739	3,71693	3,30533	1,330160191	ENST00000380907	135458	NM_148959	HUS1B

A_21_P0006120	3,05731	2,64574	1,330132532	N/A	N/A	N/A	Inc-SMARCA2-1
A_33_P3323559	7,64533	7,23387	1,330031118	ENST00000291554	1409	NM_000394	CRYAA
A_24_P329353	7,69545	7,2841	1,329929712	ENST00000403646	80228	NM_032831	ORAI2
A_33_P3325087	9,69747	9,28617	1,329883621	ENST00000540900	84081	NM_032141	NSRP1
A_21_P0011768	6,35746	5,94619	1,329855967	N/A	N/A	N/A	XLOC_I2_006648
A_23_P356109	6,15011	5,73896	1,329745357	ENST00000318724	222255	NM_152749	ATXN7L1
A_24_P603890	14,9469	14,5359	1,329607108	ENST00000406156	N/A	N/A	N/A
A_33_P3371320	9,80461	9,39362	1,329597892	ENST00000342045	9577	NM_001261840	BRE
A_23_P105028	10,7339	10,323	1,32951495	ENST00000398868	25923	NM_015459	ATL3
A_22_P00024077	4,55095	4,14017	1,329404369	N/A	102724115	XR_426137	LOC102724115
A_21_P0003802	1,9473	1,53663	1,329303011	N/A	N/A	N/A	Inc-RP11-487E13.1.1-1
A_23_P48803	2,90727	2,49662	1,329284583	ENST00000249700	29767	NM_014548	TMOD2
A_21_P0010053	2,67646	2,26583	1,329266155	N/A	N/A	N/A	Inc-PREX1-2
A_23_P167308	12,0262	11,6156	1,329238514	ENST00000511600	6047	NM_002938	RNF4
A_24_P109069	7,78685	7,37634	1,329155594	ENST00000503753	83849	NM_181519	SYT15
A_23_P134274	14,8875	14,477	1,329146381	ENST00000303151	10248	NM_005837	POP7
A_33_P3246418	15,2354	14,825	1,329054255	ENST00000373051	4188	NM_001300804	MDFI
A_33_P3213992	4,15039	3,74021	1,3288516	N/A	N/A	N/A	N/A
A_22_P00004694	6,30245	5,89229	1,328833178	ENST00000534270	9401	NM_004260	RECQL4
A_33_P3413404	2,62459	2,21449	1,328777915	ENST00000402876	29780	AK309987	PARVB
A_24_P116378	10,9444	10,5343	1,328777915	ENST00000380557	145781	NM_001018090	GCOM1
A_23_P55706	13,6601	13,2501	1,328685814	ENST00000221452	5971	NM_006509	RELB
A_22_P00011556	4,05498	3,64509	1,328584511	ENST00000513332	N/A	N/A	N/A
A_21_P0008710	3,60075	3,19098	1,328474007	N/A	N/A	N/A	Inc-UBE3A-1
A_22_P00005678	9,022	8,61225	1,32845559	ENST00000330125	56478	NM_019843	EIF4ENIF1
A_22_P00013083	3,17904	2,76931	1,328437174	N/A	N/A	BC035239	Inc-RHOJ-1
A_23_P27180	10,902	10,4923	1,32840955	ENST00000540900	84081	NM_032141	NSRP1
A_22_P00000608	3,00595	2,59627	1,328391135	N/A	N/A	AK057259	Inc-ACHE-1
A_33_P3380932	8,02981	7,62017	1,328354305	ENST00000393312	168850	XM_005250181	ZNF800
A_21_P0002934	3,89115	3,48153	1,32833589	N/A	N/A	N/A	Inc-OXNAD1-2
A_33_P3357097	3,98128	3,57167	1,328326682	N/A	100132741	N/A	LOC100132741
A_24_P63380	5,44226	5,03267	1,328308268	ENST00000512312	658	NM_001203	BMPR1B
A_23_P321892	4,31312	3,90357	1,32827144	ENST00000495413	3273	NM_000412	HRG



A_33_P3326904	8,86338	8,45383	1,32827144	N/A	441268	AK125166	LOC441268
A_22_P00007410	5,8114	5,40189	1,328234613	ENST00000414438	N/A	N/A	N/A
A_24_P107859	9,52821	9,11874	1,328197787	ENST00000299084	161742	NM_152594	SPRED1
A_22_P00017486	4,75762	4,34816	1,328188581	ENST00000378821	643965	NM_001146685	TMEM88B
A_24_P250650	12,0221	11,6127	1,328133344	ENST00000452831	11159	NM_013412	RABL2A
A_24_P48862	6,2711	5,86188	1,327967648	ENST00000215730	9342	NM_004782	SNAP29
A_33_P3420704	5,80739	5,39817	1,327967648	N/A	N/A	N/A	N/A
A_23_P342053	8,62404	8,21484	1,327949238	ENST00000568015	5930	NM_032626	RBBP6
A_21_P0000352	5,70488	5,29569	1,327940034	N/A	677771	NR_003005	SCARNA4
A_22_P00024715	7,60498	7,1958	1,327930829	ENST00000594597	57655	NM_001136199	GRAMD1A
A_23_P85180	9,27009	8,86091	1,327930829	ENST00000369982	8269	NM_003492	TMEM187
A_33_P3240936	5,4568	5,04764	1,32791242	ENST00000530824	23621	NM_012104	BACE1
A_23_P34578	12,1708	11,7617	1,327857195	ENST00000462812	29889	NM_013285	GNL2
A_21_P0006601	2,23668	1,82764	1,327801972	N/A	N/A	N/A	Inc-TSPY10-2
A_22_P00006467	4,44904	4,04	1,327801972	ENST00000517482	N/A	N/A	N/A
A_33_P3221119	10,6159	10,2069	1,327765158	ENST00000471341	54856	NM_001282861	GON4L
A_23_P80353	7,48039	7,07139	1,327765158	ENST00000466589	83746	NM_031488	L3MBTL2
A_33_P3355739	2,55844	2,14963	1,327590306	ENST00000468982	89766	NM_001199528	UMODL1
A_23_P140994	10,3151	9,9063	1,327581104	ENST00000568008	11269	NM_007242	DDX19B
A_22_P00015894	3,21322	2,80443	1,327571902	ENST00000428786	N/A	X16866	N/A
A_24_P497186	9,8929	9,48412	1,3275627	ENST00000366609	359948	NM_182972	IRF2BP2
A_33_P3625314	2,05353	1,64476	1,327553498	ENST00000413356	440704	NR_033922	LOC440704
A_24_P221575	3,57087	3,16213	1,327525892	ENST00000509159	22902	NM_001037442	RUFY3
A_23_P45345	13,084	12,6753	1,327489086	ENST00000535601	27336	NM_014500	HTATSF1
A_21_P0011719	2,08528	1,67666	1,327415476	N/A	N/A	N/A	XLOC_I2_006902
A_23_P75430	8,34568	7,93709	1,327387874	ENST00000298966	56935	NM_020179	SMCO4
A_23_P3379	2,95527	2,54669	1,327378673	ENST00000560943	5923	NM_002891	RASGRF1
A_33_P3290949	7,93267	7,52419	1,32728667	ENST00000487043	55037	N/A	PTCD3
A_33_P3826460	2,0741	1,66563	1,32727747	ENST00000505877	N/A	N/A	N/A
A_22_P00023164	1,99575	1,58728	1,32727747	N/A	N/A	N/A	Inc-AMN-1
A_33_P3270360	5,7511	5,34268	1,32723147	ENST00000309433	219959	NM_001004458	OR1S1
A_33_P3255165	5,40952	5,00116	1,327176274	N/A	100132116	NR_125373	ACTA2-AS1
A_22_P00011079	2,48076	2,07241	1,327167074	N/A	N/A	N/A	Inc-NUCB2-1

A_33_P3219578	6,31954	5,91124	1,327121079	N/A	7545	U79264	ZIC1
A_22_P00019062	2,39659	1,98834	1,327075085	ENST00000426794	N/A	N/A	N/A
A_24_P287075	8,3877	7,97949	1,327038291	ENST00000433890	5871	NM_004579	MAP4K2
A_21_P0009323	6,41455	6,00645	1,326937114	N/A	N/A	N/A	Inc-NR1D1-1
A_23_P78871	8,66333	8,25532	1,326854338	ENST00000430256	79047	NM_024076	KCTD15
A_23_P323943	6,19201	5,78409	1,326771567	ENST00000280467	159963	NM_178498	SLC5A12
A_33_P3335386	13,0372	12,6293	1,326753174	ENST00000388995	644815	DJ031151	FAM83G
A_23_P104734	10,6327	10,2249	1,326661214	ENST00000525946	3703	NM_152713	STT3A
A_33_P3264331	3,79093	3,38318	1,326615236	ENST00000371116	27022	NM_012183	FOXD3
A_23_P75647	9,05107	8,64337	1,32656926	ENST00000614711	10525	NM_006389	HYOU1
A_24_P827491	9,15273	8,74509	1,32651409	ENST00000418595	5036	NM_006191	PA2G4
A_33_P3401841	6,69884	6,29125	1,326468118	ENST00000613122	9150	AK123920	CTDP1
A_22_P00003315	2,33138	1,92383	1,326431341	N/A	N/A	N/A	Inc-CAPSL-1
A_19_P00321568	8,55565	8,14812	1,326412952	N/A	N/A	XR_132973	N/A
A_21_P0000539	7,04167	6,63415	1,326403759	N/A	388685	NR_027468	LINC01138
A_21_P0000269	5,7276	5,32014	1,326348596	ENST00000524867	619565	NR_002585	SNORA52
A_21_P0000624	7,51787	7,11049	1,32627505	N/A	6540	NM_001243392	SLC6A13
A_33_P3363016	7,722	7,31463	1,326265857	ENST00000619151	2972	NM_001242790	BRF1
A_33_P3265855	10,4713	10,064	1,326201507	ENST00000517296	553158	NM_181334	PRR5-ARHGAP8
A_22_P00015884	4,54009	4,1328	1,326192315	N/A	N/A	N/A	Inc-TCEANC2-1
A_33_P3372752	2,41604	2,00875	1,326192315	N/A	400682	XM_003846486	LOC400682
A_22_P00024376	2,26498	1,85769	1,326192315	ENST00000511867	N/A	N/A	N/A
A_33_P3378865	4,21683	3,80957	1,326164738	ENST00000375389	23196	NM_001286724	FAM120A
A_33_P3231110	11,5793	11,1721	1,326109585	ENST00000268049	9960	NM_006537	USP3
A_33_P3333455	10,0727	9,66552	1,326091202	ENST00000613734	11117	NM_007046	EMILIN1
A_21_P0008588	2,40905	2,00192	1,326045244	N/A	N/A	N/A	Inc-C15orf2-9
A_22_P00013631	2,24978	1,84265	1,326045244	N/A	N/A	DB289084	Inc-RP11-625H11.1.1-3
A_33_P3365193	6,04197	5,63486	1,326026861	ENST00000330330	278	NM_001008219	AMY1C
A_21_P0007470	3,69888	3,29188	1,32592576	N/A	N/A	N/A	Inc-BLID-1
A_22_P00009882	3,79045	3,38345	1,32592576	N/A	114794	NR_110512	ELFN2
A_33_P3349693	7,20777	6,80087	1,325833857	ENST00000478015	253558	NM_182551	LCLAT1
A_33_P3224867	5,22518	4,81831	1,325806288	ENST00000432710	83445	NM_001206842	GSG1
A_21_P0014080	4,56851	4,16164	1,325806288	N/A	100505785	XR_133208	KIRREL-IT1

A_23_P313632	10,8102	10,4034	1,325741961	ENST00000557164	2530	NM_178155	FUT8
A_23_P8571	8,96294	8,55628	1,325613316	ENST00000275560	136853	NM_080744	SSC4D
A_22_P00007123	2,74454	2,33789	1,325604128	ENST00000420776	N/A	BM729034	N/A
A_21_P0002906	2,93786	2,53125	1,325567375	ENST00000449106	100874219	N/A	TMEM212-AS1
A_23_P109034	14,8017	14,3951	1,325558187	ENST00000372733	6385	NM_002999	SDC4
A_22_P00016195	2,5872	2,18062	1,325539811	ENST00000456728	N/A	N/A	N/A
A_33_P3384988	3,31559	2,90918	1,325383625	ENST00000380860	64924	NM_024055	SLC30A5
A_23_P98022	9,12909	8,72294	1,325144788	ENST00000432464	23411	NM_012238	SIRT1
A_32_P21474	7,12329	6,71716	1,325126418	ENST00000369940	134728	NM_001010844	IRAK1BP1
A_21_P0007097	3,45154	3,04542	1,325117233	ENST00000466271	222389	XR_428635	BEND7
A_22_P00008432	2,12554	1,71951	1,32503457	ENST00000566804	N/A	AK026452	N/A
A_32_P220307	17,3606	16,9546	1,325007017	ENST00000468844	6170	NM_001000	RPL39
A_23_P154526	7,00819	6,60227	1,324933545	ENST00000497306	2888	NM_004490	GRB14
A_32_P221256	9,72283	9,31698	1,32486926	N/A	403340	NR_003682	MGC70870
A_21_P0011275	2,79694	2,39123	1,324740701	ENST00000619210	503639	N/A	DUXAP10
A_23_P82950	12,2264	11,8207	1,324731518	ENST00000519802	5108	NM_006197	PCM1
A_22_P00024701	5,41353	5,00787	1,324694789	ENST00000588460	79157	CU688225	MFSD11
A_21_P0001088	4,43645	4,03088	1,324612153	N/A	N/A	N/A	Inc-AL590822.1-1
A_21_P0014278	2,20578	1,80032	1,32451116	ENST00000535976	100507066	NR_045382	CLIP1-AS1
A_22_P00004473	8,93272	8,52727	1,32450198	N/A	100129917	NR_036512	LOC100129917
A_24_P97836	7,56573	7,16029	1,324492799	ENST00000380774	5884	NM_002873	RAD17
A_33_P3328365	5,51388	5,10855	1,324391815	N/A	N/A	BF355127	Inc-C21orf90-1
A_24_P83615	7,47948	7,07418	1,324364276	ENST00000613500	22861	NM_001033053	NLRP1
A_24_P82142	10,4096	10,0043	1,324364276	ENST00000343827	6938	NM_207038	TCF12
A_33_P3217393	7,70859	7,30335	1,324309198	ENST00000564751	80381	NM_001024736	CD276
A_23_P41818	11,6226	11,2174	1,324272481	ENST00000502988	51663	NM_016107	ZFR
A_22_P00020059	5,12384	4,71865	1,324263302	N/A	N/A	DA667009	Inc-NDUFV1-1
A_21_P0005982	2,81965	2,41453	1,32419905	N/A	N/A	N/A	Inc-CCDC166-1
A_33_P3279871	2,93599	2,53105	1,324033844	ENST00000600907	N/A	XM_001732878	N/A
A_33_P3688511	1,95357	1,54865	1,324015489	ENST00000583223	N/A	AK130404	N/A
A_23_P151970	8,88593	8,48119	1,323850307	ENST00000306917	10116	NM_015322	FEM1B
A_23_P93602	4,44	4,03527	1,323841131	ENST00000329722	352999	NM_001010905	C6orf58
A_22_P00017772	5,13806	4,7334	1,323776899	N/A	N/A	AF086429	Inc-YWHAZ-1

A_23_P153360	11,1286	10,724	1,323721846	ENST00000599310	79086	NM_024104	SMIM7
A_33_P3473108	4,68176	4,27716	1,323721846	N/A	N/A	Z39353	N/A
A_33_P3857239	14,4061	14,0016	1,323630096	ENST00000585017	284116	NR_033415	KRT42P
A_24_P775249	6,70534	6,30085	1,323620921	ENST00000577806	400657	NR_024484	LINC00909
A_21_P0001245	5,08288	4,67854	1,323483309	ENST00000451766	101927851	N/A	LOC101927851
A_33_P3333146	4,79138	4,38706	1,323464961	ENST00000254695	23108	NM_015085	RAP1GAP2
A_33_P3379081	2,00942	1,60515	1,323419094	N/A	N/A	BE265920	N/A
A_24_P210829	9,72374	9,31962	1,323281503	ENST00000460297	4833	NM_005009	NME4
A_33_P3374903	4,63935	4,23525	1,323263158	N/A	N/A	N/A	N/A
A_23_P407112	5,79067	5,38658	1,323253986	ENST00000295213	132671	NM_145263	SPATA18
A_22_P00019192	3,70777	3,30373	1,323208127	N/A	N/A	AV706190	Inc-ABL1-1
A_33_P3371243	1,9645	1,56049	1,323180611	N/A	N/A	N/A	N/A
A_23_P126735	2,0888	1,6849	1,323079728	ENST00000423557	3586	NM_000572	IL10
A_22_P00009759	2,28106	1,87734	1,322914662	ENST00000515656	N/A	N/A	N/A
A_23_P153897	5,1501	4,74642	1,322877984	ENST00000587867	2788	NM_052847	GNG7
A_24_P125434	3,67422	3,27055	1,322868814	ENST00000611534	84203	NM_032243	TXNDC2
A_23_P372368	4,93181	4,52815	1,322859645	N/A	N/A	AF426265	N/A
A_33_P3414422	10,0513	9,64765	1,322850475	ENST00000315266	10243	NM_020806	GPHN
A_23_P168726	2,26152	1,85792	1,32280463	ENST00000046087	11055	NM_007009	ZBPB
A_23_P165078	10,335	9,93145	1,322758786	ENST00000411545	81926	NM_031213	ABHD17A
A_33_P3367396	6,20807	5,80455	1,32273128	ENST00000360827	400823	NM_207468	FAM177B
A_21_P0011595	5,02956	4,62605	1,322722111	N/A	N/A	N/A	XLOC_I2_006101
A_22_P00016362	6,15065	5,7472	1,322667102	ENST00000554954	N/A	N/A	N/A
A_23_P120153	13,1755	12,7721	1,322621263	ENST00000295317	284996	NM_173647	RNF149
A_21_P0012603	2,51881	2,11543	1,322602927	ENST00000508358	N/A	N/A	N/A
A_24_P402779	7,49678	7,09348	1,322529589	ENST00000475782	10039	NM_005485	PARP3
A_23_P101332	12,538	12,1347	1,322529589	ENST00000612875	65095	NM_023008	KRI1
A_33_P3284854	7,41883	7,01555	1,322511255	ENST00000607822	N/A	N/A	N/A
A_24_P290770	7,18094	6,7777	1,322474588	ENST00000459672	4967	NM_001003941	OGDH
A_23_P148798	11,7355	11,3323	1,322437921	ENST00000367451	51377	NM_015984	UCHL5
A_23_P135966	10,6364	10,2332	1,322437921	ENST00000465988	9016	NM_001282197	SLC25A14
A_21_P0008203	3,70559	3,30245	1,322382924	N/A	N/A	N/A	Inc-UGGT2-1
A_22_P00000871	4,58731	4,18418	1,322373758	N/A	N/A	N/A	Inc-AGRP-3

A_24_P47547	14,7407	14,3376	1,32234626	ENST00000477395	5901	NM_006325	RAN
A_21_P0012821	4,17036	3,76739	1,32222711	N/A	N/A	N/A	XLOC_I2_011426
A_24_P194819	4,06475	3,6618	1,32220878	N/A	N/A	N/A	N/A
A_24_P702813	9,76627	9,36345	1,322089642	ENST00000367590	9213	NM_004736	XPR1
A_33_P3213561	8,56137	8,15856	1,322080478	ENST00000561636	N/A	N/A	N/A
A_33_P3354067	4,38844	3,98563	1,322080478	ENST00000545710	N/A	N/A	N/A
A_23_P8380	10,5985	10,1958	1,321979679	ENST00000424142	78996	NM_024033	C7orf49
A_19_P00810009	5,70959	5,30704	1,321842237	N/A	N/A	AF319524	Inc-SNURF-1
A_21_P0014201	5,17932	4,77685	1,32176894	ENST00000447430	N/A	N/A	N/A
A_33_P3212555	3,15171	2,74925	1,321759779	ENST00000394236	5627	NM_000313	PROS1
A_33_P3774867	8,52142	8,11897	1,321750617	N/A	N/A	BC094703	Inc-AP002478.1-1
A_22_P00002236	4,5466	4,14415	1,321750617	N/A	101929328	XR_246137	KCNMA1-AS1
A_21_P0011606	2,15675	1,75438	1,321677325	N/A	N/A	N/A	XLOC_I2_006166
A_33_P3211078	10,3514	9,94905	1,321659003	ENST00000537275	8091	NM_001300918	HMG2
A_24_P77082	2,31233	1,91001	1,32163152	ENST00000366555	8564	NM_003679	KMO
A_33_P3250887	6,02195	5,61963	1,32163152	N/A	644186	NM_001123225	SYCE3
A_33_P3373541	6,76645	6,36435	1,321429997	ENST00000609345	60528	NM_173717	ELAC2
A_21_P0003592	1,96854	1,56649	1,321384201	ENST00000512268	N/A	N/A	N/A
A_23_P20068	1,86015	1,45811	1,321375041	ENST00000361669	2913	NM_000840	GRM3
A_22_P00005824	3,19289	2,79087	1,321356723	N/A	N/A	BX644926	Inc-ERAL1-1
A_23_P167595	7,73348	7,33147	1,321347565	ENST00000265339	7320	NM_003337	UBE2B
A_24_P248053	13,1841	12,7822	1,321246821	ENST00000517857	116447	NM_052963	TOP1MT
A_21_P0014372	3,6669	3,26503	1,321219346	N/A	101928571	NR_110733	ZNF649-AS1
A_33_P3328653	4,63623	4,23438	1,321201031	ENST00000262738	9620	NM_014246	CELSR1
A_21_P0009300	2,24693	1,84509	1,321191873	N/A	N/A	N/A	Inc-PMP22-2
A_23_P130304	13,7116	13,3098	1,321155242	ENST00000585769	10907	BC080184	TXNL4A
A_21_P0013060	11,7504	11,3486	1,321155242	N/A	N/A	N/A	XLOC_I2_012870
A_33_P3610406	2,29571	1,89392	1,321146084	N/A	347694	NR_028501	ECEL1P2
A_24_P127121	12,1377	11,736	1,32106367	ENST00000399148	N/A	N/A	N/A
A_33_P3420402	7,88385	7,48216	1,321054513	ENST00000518228	57531	NM_020771	HACE1
A_33_P3395074	10,6686	10,267	1,320972104	ENST00000570600	57048	NM_020360	PLSCR3
A_23_P87742	7,81692	7,41533	1,320962947	ENST00000396830	25900	NM_001039670	IFFO1
A_22_P00021540	2,28435	1,88279	1,320935479	N/A	N/A	N/A	Inc-FAM57A-2

A_33_P3332369	2,39781	1,99626	1,320926323	ENST00000376248	2572	N/A	GAD2
A_22_P00013895	2,43904	2,03749	1,320926323	N/A	104502417	NR_126469	MGAT3-AS1
A_21_P0012956	3,43828	3,03675	1,320908011	N/A	101926941	NR_120664	LOC101926941
A_22_P00020832	3,95955	3,55807	1,320862233	N/A	N/A	N/A	Inc-TMC5-1
A_22_P00017753	5,31277	4,9113	1,320853077	N/A	N/A	N/A	Inc-YIF1A-5
A_21_P0002720	3,17365	2,77219	1,320843922	ENST00000446091	N/A	N/A	N/A
A_22_P00019274	3,57068	3,16926	1,320807301	N/A	N/A	BG401516	Inc-MTERFD3-2
A_21_P0014918	7,50378	7,10265	1,320541829	ENST00000568097	100289574	NR_109773	HERC2P4
A_33_P3410821	6,90669	6,50558	1,320523522	N/A	N/A	N/A	N/A
A_33_P3368755	3,41591	3,01483	1,320496063	ENST00000379034	158809	NM_173523	MAGEB6
A_23_P256205	8,31919	7,9182	1,320413689	ENST00000506113	22885	NM_014945	ABLIM3
A_21_P0009166	5,00626	4,60529	1,320395384	ENST00000447729	N/A	N/A	N/A
A_22_P00009212	2,04204	1,64112	1,320349623	N/A	N/A	AK124874	Inc-LPIN3-1
A_23_P337201	12,8624	12,4615	1,320331319	ENST00000342756	6731	NM_006947	SRP72
A_33_P3383226	5,36152	4,96064	1,320313016	ENST00000307395	2815	NM_000174	GP9
A_21_P0001741	7,03774	6,63686	1,320313016	N/A	N/A	N/A	Inc-HIST2H3PS2-3
A_33_P3526315	7,45436	7,0536	1,3202032	N/A	84786	BC005372	MGC12488
A_23_P140821	6,50974	6,10904	1,320148295	ENST00000602727	50855	NM_016948	PARD6A
A_33_P3388646	6,94088	6,54025	1,320084243	ENST00000369252	3983	NM_001003408	ABLIM1
A_33_P3240437	5,59187	5,19139	1,319946998	N/A	642335	AK098072	LOC642335
A_23_P50349	12,1799	11,7795	1,319873807	ENST00000596758	9322	NM_004240	TRIP10
A_23_P436476	11,3631	10,9628	1,319782323	ENST00000495224	23029	NM_015014	RBM34
A_32_P14850	14,9614	14,5611	1,319782323	ENST00000429990	440348	XM_005256273	NPIPB15
A_21_P0003235	1,91764	1,51743	1,319699994	N/A	N/A	N/A	Inc-GPR27-1
A_33_P3793307	8,47859	8,0785	1,319590229	ENST00000420918	339803	NR_036496	LOC339803
A_21_P0002798	5,09647	4,69647	1,319507911	ENST00000494887	N/A	N/A	N/A
A_22_P00007977	3,93419	3,53431	1,319398162	N/A	N/A	AK310119	Inc-IDS-1
A_23_P64560	9,7902	9,39034	1,319379871	ENST00000477358	27315	NM_014489	PGAP2
A_33_P3339687	5,14914	4,74929	1,319370726	ENST00000343381	79862	NM_024804	ZNF669
A_23_P77066	9,71462	9,31496	1,319196979	ENST00000584968	6638	NM_022807	SNRPN
A_22_P00012847	4,05963	3,65997	1,319196979	N/A	N/A	N/A	Inc-RASAL1-1
A_19_P00331853	5,65983	5,26023	1,319142116	N/A	100131564	N/A	LOC100131564
A_32_P331139	2,10765	1,70806	1,319132973	ENST00000367974	257177	NM_001013625	CFAP126

A_21_P0009716	2,1572	1,75766	1,319087256	N/A	N/A	N/A	Inc-LSR-1
A_24_P15043	9,43268	9,03316	1,319068969	ENST00000232766	23276	NM_025010	KLHL18
A_24_P329487	9,82095	9,42147	1,319032398	ENST00000304916	157638	NM_174911	FAM84B
A_23_P75500	11,5512	11,1518	1,318959257	ENST00000530238	25855	NM_001024957	BRMS1
A_23_P136978	12,8212	12,4219	1,318867837	ENST00000373004	27286	NM_014467	SRPX2
A_33_P3311235	3,01867	2,61943	1,318812988	ENST00000594319	728780	N/A	ANKDD1B
A_23_P78209	11,614	11,2148	1,318776423	ENST00000357736	4097	NM_002359	MAFG
A_24_P340776	10,9159	10,5169	1,318593614	ENST00000356023	N/A	AB527617	N/A
A_21_P0007318	4,79691	4,39791	1,318593614	ENST00000525154	440028	NR_033972	LOC440028
A_22_P00013296	4,67854	4,27955	1,318584475	N/A	N/A	CR737344	Inc-RP11-1105G2.3.1-1
A_21_P0007938	2,8661	2,46723	1,318474803	N/A	N/A	N/A	Inc-DLEU1-1
A_23_P155666	8,58977	8,19094	1,318438247	ENST00000513045	27163	NM_001042402	NAAA
A_23_P37545	13,1364	12,7376	1,318410831	ENST00000538028	79719	NM_024666	AAGAB
A_21_P0005793	6,10966	5,71094	1,318337725	N/A	N/A	N/A	Inc-ANGPT2-2
A_33_P3222917	14,1779	13,7792	1,318319449	ENST00000318424	80381	NM_001024736	CD276
A_33_P3315715	4,18854	3,7899	1,318264623	ENST00000405223	130271	AK126308	PLEKHH2
A_22_P00010566	2,65051	2,25191	1,318228073	N/A	N/A	DA304148	Inc-NDE1-2
A_23_P27013	10,3608	9,96243	1,318017933	ENST00000311177	3219	NM_024017	HOXB9
A_22_P00005072	2,86359	2,46526	1,31798139	N/A	102724196	XR_424327	LOC102724196
A_23_P318938	1,99538	1,59705	1,31798139	ENST00000381923	120939	NM_153022	TMEM52B
A_21_P0000321	11,7959	11,3976	1,317953984	N/A	677814	NR_002967	SNORA31
A_22_P00004984	6,20043	5,80216	1,317926578	N/A	90768	NR_125905	LOC90768
A_21_P0000348	9,65022	9,25199	1,317890038	N/A	677846	NR_002996	SNORA80A
A_23_P23411	8,50565	8,10747	1,317844364	ENST00000459707	5546	NM_005973	PRCC
A_21_P0007068	7,66373	7,2656	1,317798692	N/A	101929506	XR_252776	LOC101929506
A_33_P3303810	15,3153	14,9172	1,31777129	ENST00000367313	3898	NM_005558	LAD1
A_23_P78835	10,4611	10,063	1,31777129	ENST00000610935	126208	NM_001002836	ZNF787
A_32_P78816	13,9048	13,5067	1,31777129	ENST00000395471	5723	NM_004577	PSPH
A_24_P285768	9,29926	8,90121	1,31772562	ENST00000256497	9695	NM_014674	EDEM1
A_23_P125829	15,5648	15,1668	1,317679952	ENST00000476531	5230	NM_000291	PGK1
A_23_P413761	15,1206	14,7227	1,31758862	ENST00000620389	6428	NM_003017	SRSF3
A_21_P0013857	4,70718	4,30929	1,317579487	N/A	N/A	N/A	Inc-MAGEA8-2
A_21_P0000383	4,38794	3,99005	1,317579487	ENST00000467175	692199	NR_003065	SNORD84

A_21_P0005807	5,18186	4,78401	1,317542957	N/A	N/A	N/A	Inc-GFRA2-1
A_33_P6814866	8,14377	7,74601	1,317460767	N/A	N/A	AK127569	Inc-GTF2F2-2
A_23_P159937	10,3975	9,99977	1,317433371	ENST00000253122	6535	NM_005629	SLC6A8
A_21_P0008454	5,93519	5,53747	1,31742424	N/A	N/A	N/A	Inc-MAP3K9-1
A_33_P3310706	5,57136	5,17367	1,317396845	N/A	N/A	DB043695	N/A
A_21_P0003090	5,20159	4,80402	1,317287271	N/A	N/A	N/A	Inc-AC069257.9.1-5
A_22_P00012113	5,66266	5,26518	1,317205097	N/A	N/A	N/A	Inc-POLD3-2
A_22_P00011141	4,85327	4,45582	1,317177707	N/A	101928273	N/A	LOC101928273
A_24_P207150	10,3186	9,92133	1,317013378	ENST00000232165	7337	NM_130839	UBE3A
A_33_P3328973	3,77946	3,38226	1,316949477	N/A	N/A	AK129565	N/A
A_24_P324405	10,8838	10,4868	1,316766922	ENST00000330736	29123	NM_013275	ANKRD11
A_33_P3325395	3,70315	3,30616	1,316757795	N/A	N/A	AK027069	N/A
A_24_P270525	13,3474	12,9505	1,316675654	ENST00000396061	2958	NM_004492	GTF2A2
A_23_P166159	13,0958	12,699	1,316584392	ENST00000202017	81572	NM_030815	PDRG1
A_23_P27538	2,25777	1,861	1,316557015	ENST00000409035	125972	NM_145046	CALR3
A_22_P00013016	2,18221	1,78557	1,316438386	ENST00000554261	N/A	XR_243240	N/A
A_22_P00009178	4,1115	3,71488	1,316420137	ENST00000530228	340357	NR_015383	LOC340357
A_23_P170518	11,8152	11,4187	1,316310644	ENST00000269445	54808	NM_017653	DYM
A_33_P3353622	5,52235	5,12585	1,316310644	ENST00000353796	57786	NM_021163	RBAK
A_23_P119936	3,19394	2,79762	1,316146423	ENST00000305165	5068	NM_138938	REG3A
A_33_P3377750	11,4598	11,0635	1,316128178	ENST00000585434	147700	NM_177417	KLC3
A_23_P142407	9,39925	9,00296	1,316119055	ENST00000415440	94039	NM_033204	ZNF101
A_23_P56213	5,62243	5,22623	1,316036954	ENST00000600231	57655	NM_020895	GRAMD1A
A_22_P00016905	8,3151	7,9189	1,316036954	N/A	N/A	AK123295	Inc-TSKU-1
A_33_P3396522	14,4394	14,0432	1,316036954	ENST00000531944	5436	NM_002696	POLR2G
A_24_P28722	8,3391	7,94292	1,31601871	ENST00000382040	91543	NM_080657	RSAD2
A_23_P368558	10,0466	9,65051	1,315936615	ENST00000186436	23505	NM_015348	TMEM131
A_33_P3320782	5,59829	5,20222	1,315918372	ENST00000538065	6314	NM_000333	ATXN7
A_32_P150300	5,90066	5,50459	1,315918372	N/A	101928370	N/A	LOC101928370
A_23_P361381	5,34396	4,94793	1,315881888	ENST00000216024	11144	NM_007068	DMC1
A_21_P0014205	4,61475	4,21872	1,315881888	ENST00000436944	114049	AK091162	WBSR22
A_24_P6864	3,63345	3,23749	1,315818042	ENST00000304105	N/A	N/A	N/A
A_33_P3298159	8,14863	7,7527	1,315790681	ENST00000444903	5730	NM_000954	PTGDS



A_33_P3280945	14,0495	13,6536	1,31576332	N/A	8420	NR_036473	SNHG3
A_21_P0014911	6,55191	6,15601	1,31576332	N/A	N/A	N/A	N/A
A_22_P00013317	3,62972	3,23383	1,3157542	ENST00000548488	N/A	AL137575	N/A
A_22_P00009671	1,97005	1,57417	1,31574508	ENST00000556013	100886964	NR_049735	PTCSC3
A_23_P47991	11,1673	10,7715	1,315672122	ENST00000281928	23389	NM_015335	MED13L
A_22_P00019134	5,6977	5,30192	1,315653883	N/A	N/A	N/A	Inc-CBX1-1
A_21_P0014288	10,0263	9,63058	1,315599167	N/A	100505494	AK124233	ANKRD10-IT1
A_33_P3305418	6,61232	6,2166	1,315599167	N/A	N/A	AK127935	N/A
A_23_P108641	12,3404	11,9447	1,315580929	ENST00000460307	84908	NM_032822	FAM136A
A_23_P252775	10,948	10,5523	1,315580929	ENST00000479656	54840	NM_175073	APTX
A_33_P3256267	4,77934	4,38375	1,315480625	ENST00000377200	375743	XM_005251976	PTAR1
A_24_P323997	5,38658	4,991	1,315471507	ENST00000543508	284355	NM_198479	TPRX1
A_33_P3214803	6,86946	6,47388	1,315471507	ENST00000369215	59336	NM_021620	PRDM13
A_21_P0007996	2,29412	1,89857	1,315444153	N/A	N/A	N/A	Inc-LECT1-1
A_33_P3371514	8,0597	7,66428	1,315325624	ENST00000375522	64768	NM_022755	IPPK
A_22_P00024162	3,08403	2,68867	1,315270923	N/A	N/A	N/A	Inc-SLC3A2-1
A_22_P00005193	6,70514	6,30984	1,315216223	N/A	N/A	N/A	Inc-DKK4-1
A_22_P00005882	3,01574	2,6205	1,315161526	N/A	N/A	N/A	Inc-ESRP2-2
A_23_P363896	16,1977	15,8026	1,315033908	N/A	125144	NR_027162	LRRC75A-AS1
A_33_P3278407	11,3642	10,9691	1,315033908	ENST00000366809	4301	NM_001207008	MLLT4
A_21_P0010029	5,99023	5,59518	1,314988333	N/A	N/A	N/A	Inc-FAM182B-1
A_33_P3354678	4,65829	4,26326	1,314970104	N/A	117852	AF230412	TRIM78P
A_22_P00018383	2,7238	2,32879	1,314951875	N/A	N/A	N/A	Inc-SERPINB1-1
A_19_P00316467	4,14941	3,75445	1,314906303	ENST00000473756	N/A	N/A	N/A
A_33_P3317483	2,87685	2,48191	1,314888074	ENST00000567119	752014	NM_001048212	CEMP1
A_19_P00322886	5,03713	4,6422	1,31487896	N/A	N/A	N/A	Inc-SNURF-3
A_33_P3406505	6,52555	6,13064	1,314860732	ENST00000594635	8178	NM_006532	ELL
A_22_P00025521	2,00517	1,6103	1,314824277	N/A	101928191	NR_125851	LOC101928191
A_22_P00007556	2,38921	1,99435	1,314815164	ENST00000518922	N/A	N/A	N/A
A_24_P941922	6,8012	6,40647	1,314696692	ENST00000428680	4850	BC035590	CNOT4
A_22_P00010915	2,29508	1,9004	1,314651129	ENST00000512831	N/A	XR_425799	N/A
A_33_P3372084	8,82915	8,43455	1,314578231	ENST00000511402	N/A	N/A	N/A
A_22_P00006054	4,73751	4,34297	1,314523561	ENST00000419813	100775104	NR_046220	KLHL7-AS1

A_21_P0000874	4,76344	4,36894	1,314487115	N/A	100507299	NR_039990	SMC5-AS1
A_22_P00015264	6,24016	5,84567	1,314478003	ENST00000622372	619455	NR_037183	SPANXA2-OT1
A_22_P00015842	1,85422	1,45976	1,31445067	N/A	N/A	N/A	Inc-TBCCD1-1
A_24_P914940	9,90109	9,50665	1,314432448	ENST00000494489	729991	NM_001145784	MEF2BNB
A_33_P3307068	5,57927	5,18486	1,314405115	ENST00000462089	2801	N/A	GOLGA2
A_33_P3254375	3,52487	3,13057	1,314304901	N/A	N/A	N/A	N/A
A_33_P3313528	4,95134	4,55717	1,314186475	N/A	N/A	CU693037	N/A
A_33_P3364211	4,48838	4,09427	1,314131821	N/A	101927249	AK126423	PDZRN3-AS1
A_24_P142095	11,6067	11,2126	1,314122712	ENST00000394518	11214	NM_006738	AKAP13
A_23_P355289	12,7701	12,376	1,314122712	ENST00000427658	172	NR_003226	AFG3L1P
A_24_P322354	8,60305	8,20899	1,314086277	ENST00000616604	220134	NM_001039535	SKA1
A_21_P0012131	3,35929	2,96534	1,313986087	ENST00000432910	284757	N/A	MIR646HG
A_33_P3215333	4,47689	4,08296	1,313967871	ENST00000414705	4773	NM_012340	NFATC2
A_24_P112750	9,13452	8,74063	1,313931441	ENST00000548115	7024	NM_005653	TFCP2
A_22_P00014722	6,57773	6,18389	1,313885904	N/A	100507308	NR_109982	TARID
A_22_P00015660	3,89767	3,50398	1,313749304	N/A	101930316	XR_247649	LOC101930316
A_24_P115507	2,69777	2,30409	1,313740198	ENST00000298628	1757	NM_007101	SARDH
A_24_P396197	11,4244	11,0308	1,313667351	ENST00000587290	5589	NM_002743	PRKCSH
A_33_P3228295	5,47304	5,07945	1,313658245	ENST00000381732	10171	N/A	RCL1
A_21_P0012006	5,26816	4,87462	1,313612718	ENST00000445514	101927661	N/A	LOC101927661
A_22_P00020732	1,91932	1,5259	1,313503459	N/A	101929162	NR_120474	LOC101929162
A_21_P0012496	2,45849	2,06513	1,313448833	ENST00000498032	N/A	N/A	N/A
A_33_P3339100	4,4374	4,04405	1,313439729	ENST00000263686	6403	NM_003005	SELP
A_21_P0013011	2,053	1,65978	1,313321382	ENST00000439891	N/A	N/A	N/A
A_33_P3314291	3,26463	2,87142	1,313312278	N/A	N/A	DB307521	N/A
A_21_P0000653	2,8306	2,43742	1,313284969	N/A	283104	NR_036485	SBF2-AS1
A_23_P7941	9,43316	9,04001	1,31325766	ENST00000485654	51069	NM_015950	MRPL2
A_23_P501134	6,39126	5,99813	1,313239455	ENST00000262327	3980	NM_002311	LIG3
A_33_P3485760	3,63901	3,24594	1,31318484	N/A	641451	CD654100	SNORA19
A_22_P00004960	7,9006	7,50762	1,313102922	ENST00000424886	N/A	N/A	N/A
A_21_P0002969	2,10802	1,71507	1,313075617	N/A	N/A	N/A	Inc-SLC25A26-1
A_22_P00000918	3,13042	2,73749	1,313057414	N/A	N/A	AK124440	Inc-AKAP1-1
A_33_P3292337	8,84166	8,44875	1,313039211	ENST00000302418	3799	NM_004521	KIF5B

A_23_P162746	11,1548	10,7619	1,31303011	ENST00000298248	51084	NM_015974	CRYL1
A_33_P3235117	6,11025	5,71739	1,312993706	N/A	100133286	NR_040084	LOC100133286
A_22_P00004601	3,53629	3,14347	1,312957302	ENST00000517807	N/A	BC040995	N/A
A_23_P35354	9,24454	8,85186	1,312829898	ENST00000370379	55280	NM_018294	CWF19L1
A_22_P00001192	2,01081	1,6183	1,31267521	N/A	641373	NR_045006	NRON
A_23_P259955	5,09536	4,70291	1,312620618	ENST00000374372	8200	NM_000557	GDF5
A_22_P00019139	2,06654	1,67413	1,312584225	N/A	N/A	AK124882	Inc-TPCN2-5
A_21_P0006809	3,60719	3,21478	1,312584225	ENST00000438753	N/A	N/A	N/A
A_22_P00019426	4,57024	4,17788	1,312538735	N/A	N/A	N/A	Inc-RIC8A-1
A_21_P0000172	6,16223	5,76991	1,312502345	ENST00000610462	10675	NM_001206945	CSPG5
A_24_P23995	11,7329	11,3406	1,31248415	ENST00000305943	149603	NM_001010858	RNF187
A_23_P370666	2,07776	1,68551	1,312438663	ENST00000534119	92292	NM_080661	GLYATL1
A_21_P0002466	2,14629	1,75414	1,312347695	N/A	N/A	N/A	Inc-LRRTM1-4
A_23_P404108	9,02878	8,63678	1,312211255	ENST00000224756	54462	NM_018999	CCSER2
A_23_P68401	10,7113	10,3193	1,312211255	ENST00000405275	56259	NM_030877	CTNBL1
A_22_P00004897	2,30168	1,90969	1,312202159	N/A	N/A	N/A	Inc-DAD1-2
A_23_P317796	5,32751	4,93555	1,312174873	ENST00000379423	346606	NM_178176	MOGAT3
A_22_P00014395	4,3217	3,92975	1,312165778	N/A	102723346	XR_427907	LOC102723346
A_22_P00020365	5,99684	5,60493	1,312129397	N/A	N/A	BQ189593	Inc-TSR1-1
A_22_P00008805	3,78456	3,39265	1,312129397	N/A	100874241	NR_046693	STARD13-AS
A_23_P59261	12,6734	12,2815	1,312120302	ENST00000535040	7162	NM_006670	TPBG
A_33_P3236778	2,85146	2,45965	1,31203845	N/A	N/A	N/A	N/A
A_23_P119141	12,0541	11,6623	1,312029356	ENST00000393623	9817	NM_203500	KEAP1
A_33_P3239989	5,09083	4,69904	1,312020262	N/A	N/A	N/A	N/A
A_33_P3373991	4,57453	4,1828	1,311965698	ENST00000437095	N/A	N/A	N/A
A_23_P254404	8,29088	7,89915	1,311965698	ENST00000308527	257364	NM_153271	SNX33
A_33_P3268734	1,74318	1,35147	1,31194751	N/A	414316	CR748640	COL5A1-AS1
A_22_P00015651	2,1498	1,7581	1,311938416	ENST00000583236	N/A	N/A	N/A
A_33_P3236858	12,9529	12,5612	1,311938416	ENST00000564176	7041	NM_001042454	TGFB111
A_23_P157600	8,91946	8,52785	1,311856576	ENST00000520176	23259	NM_015214	DDHD2
A_23_P146134	2,23376	1,84217	1,31183839	ENST00000256261	78986	NM_024025	DUSP26
A_33_P3249743	3,40457	3,01314	1,31169291	ENST00000561706	N/A	XR_424638	N/A
A_33_P3218649	3,18429	2,79294	1,311620177	ENST00000316715	2824	NM_001001995	GPM6B

A_23_P6963	8,01247	7,6213	1,311456541	ENST00000493707	7324	NM_003341	UBE2E1
A_23_P203299	14,0623	13,6712	1,31139291	ENST00000531345	5954	NM_002901	RCN1
A_21_P0013908	3,14996	2,75896	1,311302014	N/A	N/A	N/A	XLOC_I2_016079
A_23_P162106	12,4016	12,0107	1,311211125	ENST00000543058	51642	NM_016055	MRPL48
A_22_P00015568	2,72835	2,3375	1,311165683	N/A	100506071	NR_038356	LOC100506071
A_23_P115838	6,98956	6,59878	1,311102066	ENST00000286067	26148	NM_015652	C10orf12
A_22_P00005609	4,04327	3,6525	1,311092978	ENST00000420403	N/A	XR_113300	N/A
A_21_P0004484	7,5314	7,14082	1,310920321	ENST00000507582	255167	NR_024424	LINC01018
A_23_P205489	8,22495	7,8344	1,310893062	ENST00000617478	23428	NM_182728	SLC7A8
A_24_P330796	6,65279	6,26237	1,310774944	ENST00000581761	54903	NM_017777	MKS1
A_23_P256835	9,63803	9,24763	1,310756772	ENST00000437733	51112	NM_016030	TRAPPC12
A_19_P00317016	3,55357	3,16327	1,310665921	N/A	N/A	N/A	Inc-GARS-2
A_33_P3648597	5,10628	4,71599	1,310656836	N/A	283075	AK096372	LOC283075
A_33_P3489228	4,16394	3,77374	1,310575076	ENST00000417004	26095	NM_015605	PTPN20B
A_33_P3218925	4,69557	4,30537	1,310575076	ENST00000394621	261729	NM_001244944	STEAP2
A_21_P0005115	4,49559	4,10549	1,310484237	ENST00000612677	401258	N/A	RAB44
A_33_P3249731	5,33715	4,94711	1,310429736	N/A	N/A	N/A	XLOC_I2_000001
A_33_P3415895	9,67931	9,28928	1,310420653	ENST00000277746	29982	NM_030759	NRBF2
A_33_P3378101	5,11633	4,72631	1,31041157	ENST00000371839	84871	NM_032785	AGBL4
A_22_P00007601	8,93688	8,54686	1,31041157	ENST00000567753	N/A	AL117559	N/A
A_24_P106542	4,14197	3,75196	1,310402487	ENST00000368317	84870	NM_032784	RSPO3
A_33_P3279501	4,03222	3,64235	1,310275331	ENST00000399472	N/A	XM_006710150	N/A
A_22_P00008338	3,90696	3,51712	1,310248085	N/A	N/A	N/A	Inc-ITPR2-2
A_32_P197489	14,0992	13,7094	1,310211757	ENST00000621843	51621	NM_015995	KLF13
A_33_P3312790	6,49702	6,10731	1,310130025	ENST00000614717	84465	NM_032445	MEGF11
A_22_P00017259	4,12867	3,73896	1,310130025	N/A	N/A	AY701053	Inc-UNG-1
A_23_P85969	11,4242	11,0345	1,310120944	ENST00000394583	284695	NM_182976	ZNF326
A_24_P59494	6,26784	5,87828	1,309993815	ENST00000228820	57097	NM_020367	PARP11
A_33_P3265504	6,47358	6,08405	1,309966575	ENST00000520547	143244	NM_001099692	EIF5AL1
A_32_P148476	8,08729	7,69776	1,309966575	ENST00000496795	N/A	N/A	N/A
A_24_P318939	8,79511	8,40567	1,309884857	ENST00000376436	26152	NM_015655	ZNF337
A_23_P255569	11,415	11,0256	1,30984854	ENST00000580731	64118	NM_022156	DUS1L
A_33_P3284290	6,66481	6,27542	1,309839461	ENST00000306502	197320	NM_001201407	ZNF778

A_23_P81087	9,55168	9,16236	1,309775908	ENST00000493425	57117	NM_020395	INTS12
A_33_P3394605	11,7986	11,4093	1,309757751	ENST00000619543	10362	NM_006339	HMG20B
A_21_P0005152	5,86546	5,47618	1,309739594	N/A	N/A	N/A	Inc-GMDS-3
A_33_P3256391	10,6389	10,2497	1,309666969	ENST00000598494	92359	NM_139161	CRB3
A_21_P0008994	1,88212	1,49302	1,309576193	N/A	N/A	N/A	Inc-JPH3-2
A_23_P2006	2,19949	1,81048	1,3094945	ENST00000379936	1262	NM_001037329	CNGA4
A_23_P77653	2,30779	1,91903	1,309267601	ENST00000566786	6559	NM_000339	SLC12A3
A_33_P3406458	6,82802	6,43942	1,309122407	ENST00000304788	140838	NM_152667	NANP
A_33_P3278813	4,49655	4,10802	1,309058889	ENST00000594215	N/A	AY461701	N/A
A_33_P3231297	14,4969	14,1084	1,309031669	ENST00000370509	8804	NM_003851	CREG1
A_22_P00022299	5,6836	5,29511	1,309022595	ENST00000416861	N/A	N/A	N/A
A_24_P216654	8,08646	7,69798	1,309013522	ENST00000540564	6646	NM_003101	SOAT1
A_22_P00009855	3,10439	2,71591	1,309013522	N/A	283480	NR_036486	FGF14-IT1
A_22_P00011608	3,7742	3,38573	1,309004448	N/A	101929066	NR_125429	LOC101929066
A_21_P0000053	9,39686	9,0084	1,308995375	ENST00000542527	730094	NM_001164579	C16orf52
A_33_P3393821	13,2629	12,8745	1,308940937	ENST00000602298	715	NM_001733	C1R
A_21_P0006424	3,59916	3,21081	1,308895573	N/A	N/A	N/A	Inc-FAAH2-2
A_21_P0007448	3,87163	3,48329	1,3088865	N/A	N/A	N/A	Inc-PIWIL4-4
A_21_P0007430	5,69567	5,30736	1,308859283	ENST00000527059	494141	N/A	LOC494141
A_22_P00004878	6,28085	5,89255	1,308850211	ENST00000567540	N/A	N/A	N/A
A_23_P94186	8,35201	7,96376	1,30880485	ENST00000359228	137797	NM_205545	LYPD2
A_22_P00012953	4,9063	4,51817	1,308695992	ENST00000444770	N/A	N/A	N/A
A_33_P3262560	7,1258	6,73769	1,308677849	ENST00000585600	3909	NR_130106	LAMA3
A_33_P3283206	3,88362	3,49561	1,308587142	N/A	102723979	N/A	LOC102723979
A_23_P135157	10,1706	9,7826	1,308578071	ENST00000397292	9373	NM_001031689	PLAA
A_33_P3244026	10,7571	10,3691	1,308578071	ENST00000416600	57506	NM_020746	MAVS
A_33_P3251193	3,14837	2,76038	1,308569001	ENST00000439627	23236	XM_005260681	PLCB1
A_23_P99027	11,9287	11,5408	1,308487371	ENST00000351677	5781	NM_002834	PTPN11
A_23_P92334	8,20842	7,82063	1,308387608	ENST00000381938	80008	NM_024943	TMEM156
A_24_P1919	7,68705	7,29932	1,308333194	ENST00000487476	4763	NM_000267	NF1
A_24_P305933	6,88033	6,49263	1,308305989	ENST00000261226	57458	NM_020698	TMCC3
A_33_P3361707	8,37623	7,98856	1,308278783	ENST00000258149	4193	NM_002392	MDM2
A_22_P00005781	3,16023	2,77261	1,308233443	N/A	N/A	BC038752	Inc-ENTHD1-1

A_19_P00801088	3,69863	3,31105	1,308197171	N/A	100874392	NR_046228	ANKRD20A12P
A_21_P0013441	9,84886	9,46128	1,308197171	ENST00000428370	27342	NM_001287060	RABGEF1
A_24_P409519	3,6949	3,30734	1,308179036	ENST00000358540	84867	NM_006906	PTPN5
A_21_P0012253	10,605	10,2175	1,308124631	ENST00000510112	N/A	XM_006724933	N/A
A_33_P3327687	4,95082	4,56335	1,30809743	N/A	727993	XR_244229	LOC727993
A_23_P32083	3,18096	2,79363	1,307970498	ENST00000382082	169522	NM_133497	KCNV2
A_23_P161183	9,75381	9,36656	1,30789797	ENST00000471035	64429	NM_022494	ZDHC6
A_33_P3293785	4,82367	4,43645	1,307870774	ENST00000391620	386682	NM_198696	KRTAP10-3
A_23_P64173	11,2466	10,8595	1,307761993	ENST00000525374	114769	NM_001017534	CARD16
A_23_P11286	11,7225	11,3354	1,307761993	ENST00000316594	3188	NM_019597	HNRNPH2
A_21_P0009947	3,75907	3,37197	1,307761993	N/A	N/A	N/A	Inc-SSTR4-4
A_21_P0006570	5,81896	5,43187	1,307752928	N/A	N/A	N/A	Inc-PLS3-2
A_22_P00011227	2,24231	1,8555	1,307499142	N/A	N/A	DB215008	Inc-OR10AB1P-2
A_23_P343237	7,07672	6,68992	1,307490079	ENST00000481918	90806	NM_144567	ANGEL2
A_24_P944640	5,61909	5,23235	1,307435704	ENST00000452780	57669	NM_020909	EPB41L5
A_24_P218587	9,27597	8,88925	1,307417579	ENST00000251871	9440	NM_004268	MED17
A_33_P3211153	11,8116	11,4249	1,307399454	ENST00000591653	124401	NM_133450	ANKS3
A_21_P0008478	6,71716	6,33047	1,307390392	N/A	N/A	N/A	Inc-SERPINA12-1
A_23_P4036	10,1592	9,77253	1,307372268	ENST00000584379	55852	NM_018469	TEX2
A_23_P323227	13,6536	13,267	1,307308835	ENST00000526510	5499	NM_001008709	PPP1CA
A_24_P418189	13,0399	12,6533	1,307308835	ENST00000483219	N/A	N/A	N/A
A_22_P00001616	8,22292	7,8364	1,307236345	N/A	N/A	N/A	Inc-ARSD-1
A_23_P23266	9,69079	9,30428	1,307227284	ENST00000367808	8548	U79751	BLZF1
A_21_P0000244	10,4542	10,0677	1,307218223	ENST00000561775	595097	NR_002440	SNORD16
A_33_P3414389	10,6293	10,2431	1,306946423	ENST00000536178	10603	NM_020979	SH2B2
A_33_P3273020	16,0621	15,6759	1,306946423	ENST00000541388	2286	NM_004470	FKBP2
A_22_P00004301	2,57658	2,19039	1,306937364	ENST00000442712	N/A	XR_425118	N/A
A_33_P3313830	6,66928	6,28312	1,306910187	ENST00000501702	644873	NR_015360	LINC01184
A_21_P0007129	7,00507	6,61912	1,306719966	N/A	101929295	N/A	LOC101929295
A_22_P00010874	2,67506	2,28912	1,306710908	ENST00000533759	100505504	XR_110921	LOC100505504
A_23_P131089	4,48434	4,09841	1,306701851	ENST00000330915	256949	NM_198471	KANK3
A_33_P3242713	2,83611	2,45018	1,306701851	N/A	N/A	AK022058	N/A
A_33_P3235816	2,25384	1,86792	1,306692793	ENST00000436258	N/A	BX647611	N/A

A_33_P3244249	3,75613	3,37022	1,306683736	ENST00000513604	79628	AK127248	SH3TC2
A_23_P257956	13,6399	13,2541	1,30658411	ENST00000480213	3608	NM_004515	ILF2
A_33_P3224809	10,8037	10,4179	1,30658411	ENST00000319363	23765	NM_014339	IL17RA
A_33_P3235721	3,38761	3,00205	1,306366771	ENST00000327419	399947	NM_207645	C11orf87
A_21_P0009075	5,40573	5,02017	1,306366771	N/A	N/A	N/A	Inc-ZDHHC7-1
A_32_P36942	8,41908	8,03366	1,306240007	N/A	129450	NM_001039693	TYW5
A_22_P00007648	2,67754	2,29246	1,305932201	ENST00000441724	148645	NR_103534	LINC00337
A_33_P3356035	3,46852	3,08346	1,305914097	ENST00000440812	9887	N/A	SMG7
A_33_P3369885	7,85026	7,46522	1,305895994	ENST00000423230	727957	NM_001099280	MROH1
A_21_P0009805	5,1454	4,76036	1,305895994	N/A	N/A	N/A	Inc-KCNN4-1
A_23_P204484	12,2418	11,8568	1,305859787	ENST00000229340	11021	NM_006861	RAB35
A_22_P00014351	1,95511	1,57014	1,305832633	N/A	N/A	N/A	Inc-SERPINI1-9
A_23_P53057	9,00244	8,61754	1,305769275	ENST00000278319	7762	NM_013250	ZNF215
A_23_P320159	5,02848	4,64359	1,305760224	ENST00000490617	170082	NM_001297563	TCEANC
A_21_P0007452	4,48684	4,10195	1,305760224	N/A	N/A	N/A	Inc-AP000679.2.1-1
A_23_P114210	3,90434	3,51948	1,305733072	ENST00000373200	5456	NM_000307	POU3F4
A_24_P409595	6,08106	5,69626	1,305678769	ENST00000574657	9479	NM_005456	MAPK8IP1
A_23_P407074	11,9281	11,5434	1,305588269	ENST00000408974	1785	NM_001005360	DNM2
A_23_P213857	5,08936	4,70471	1,305543022	ENST00000313164	730	NM_000587	C7
A_22_P00015112	9,86463	9,48	1,305524923	N/A	N/A	N/A	Inc-SNX17-1
A_23_P35131	7,69872	7,31416	1,30546158	ENST00000271628	10262	NM_005850	SF3B4
A_23_P209477	11,3828	10,9983	1,305407289	ENST00000472077	5496	NM_177983	PPM1G
A_22_P00005073	2,24405	1,85959	1,305371096	ENST00000559049	N/A	N/A	N/A
A_21_P0000702	4,39119	4,00691	1,30520824	N/A	100507266	NR_037888	STX18-AS1
A_23_P19313	10,1835	9,79922	1,30520824	ENST00000392092	6908	NM_003194	TBP
A_23_P84910	7,17177	6,78751	1,305190146	ENST00000377073	7712	NM_003446	ZNF157
A_33_P3413168	6,99565	6,61139	1,305190146	N/A	85301	BC007696	COL27A1
A_22_P00007453	2,49021	2,10601	1,305135865	N/A	N/A	N/A	Inc-GTDC1-2
A_23_P258978	9,17635	8,79215	1,305135865	ENST00000475407	2800	NM_002077	GOLGA1
A_21_P0000200	9,03126	8,64716	1,305045403	ENST00000344683	79648	NM_024596	MCPH1
A_22_P00015273	3,72037	3,3363	1,305018266	N/A	N/A	N/A	Inc-SPATA17-2
A_33_P3369258	8,57909	8,19508	1,304963993	ENST00000395941	26127	NM_001171888	FGFR1OP2
A_33_P3215529	4,1904	3,8064	1,304954948	ENST00000413932	9414	AF083893	TJP2

A_33_P3272568	3,89201	3,50801	1,304954948	ENST00000379331	10549	N/A	PRDX4
A_33_P3363254	3,61027	3,22631	1,304918767	N/A	N/A	N/A	N/A
A_23_P106675	10,1777	9,79377	1,304891632	ENST00000564138	5336	NM_002661	PLCG2
A_33_P3214939	2,79046	2,40653	1,304891632	N/A	N/A	N/A	XLOC_I2_005020
A_33_P3307775	7,56711	7,18319	1,304882588	N/A	8562	NM_003677	DENR
A_21_P0011909	4,29051	3,9067	1,304783099	N/A	N/A	N/A	XLOC_I2_007967
A_22_P00013594	6,24141	5,85772	1,304674575	ENST00000532357	N/A	AK125355	N/A
A_22_P00013522	2,13692	1,75325	1,304656488	N/A	N/A	BX090410	Inc-RP11-404P21.6.1-1
A_33_P3365437	4,29903	3,91538	1,304638402	ENST00000367387	56956	NM_020204	LHX9
A_22_P00007095	3,10954	2,72589	1,304638402	ENST00000509999	N/A	N/A	N/A
A_21_P0013816	5,8356	5,45197	1,304620316	ENST00000426799	N/A	N/A	N/A
A_23_P380526	2,08967	1,70613	1,304538932	ENST00000475135	55211	NM_018189	DPPA4
A_23_P407206	5,76175	5,37823	1,304520848	ENST00000619400	2055	NM_018941	CLN8
A_22_P00014615	6,19671	5,81322	1,304493721	ENST00000538901	104472718	NR_126452	LINC00508
A_23_P202773	10,6378	10,2544	1,304412345	ENST00000539943	25858	NM_001039496	TEX40
A_23_P147025	7,09909	6,7157	1,304403304	ENST00000257017	9363	NM_004794	RAB33A
A_24_P942773	10,673	10,2897	1,304321933	ENST00000295952	7871	XM_005265458	SLMAP
A_22_P00018273	2,81613	2,43284	1,304312892	N/A	100874118	NR_046740	DDX26B-AS1
A_33_P3363600	4,40588	4,02261	1,304294811	ENST00000472048	N/A	N/A	N/A
A_23_P85941	4,31836	3,9351	1,30428577	ENST00000369792	257	NM_006492	ALX3
A_23_P500410	3,99492	3,6117	1,304249608	ENST00000303892	534	NM_130463	ATP6V1G2
A_22_P00014134	1,98674	1,60358	1,304195367	N/A	N/A	DB295693	Inc-SCGB3A2-1
A_24_P144881	5,78884	5,40573	1,304150168	ENST00000476347	6049	NM_005977	RNF6
A_21_P0013349	7,02392	6,64089	1,304077853	ENST00000325888	2318	NM_001458	FLNC
A_33_P3529859	8,06037	7,67736	1,304059774	ENST00000536437	84678	NM_032590	KDM2B
A_23_P43248	10,7621	10,3791	1,304050735	ENST00000378164	6873	NM_003184	TAF2
A_33_P3329878	10,3887	10,0057	1,304050735	ENST00000405396	54476	NM_207111	RNF216
A_23_P79622	6,08773	5,70488	1,303915157	ENST00000434643	51661	NM_181342	FKBP7
A_23_P254079	7,3788	6,996	1,303869968	ENST00000514365	8987	NM_003943	STBD1
A_24_P92174	2,35191	1,96914	1,303842855	ENST00000390597	N/A	DQ100868	N/A
A_22_P00012497	2,00454	1,62178	1,303833818	ENST00000517949	100128993	NR_038919	LOC100128993
A_22_P00004595	3,14367	2,76092	1,30382478	N/A	N/A	N/A	Inc-CSGALNACT1-2
A_23_P151497	10,1844	9,80165	1,30382478	ENST00000389749	115708	NM_152307	TRMT61A



A_33_P3346098	9,13762	8,75495	1,303752483	ENST00000308893	9344	NM_016151	TAOK2
A_33_P3333985	9,9824	9,59974	1,303743446	N/A	N/A	N/A	N/A
A_21_P0014001	9,09561	8,71301	1,303689226	N/A	100652772	NR_073113	NNT-AS1
A_24_P274640	11,3395	10,9569	1,303689226	ENST00000508065	730394	NM_001042490	GTF2H2C_2
A_19_P00810361	11,1862	10,8037	1,303598864	ENST00000515142	N/A	N/A	N/A
A_33_P3278318	5,99616	5,6137	1,303562721	ENST00000376510	22921	NM_012228	MSRB2
A_22_P00023019	6,29961	5,91719	1,303526579	N/A	N/A	N/A	Inc-ACSBG1-1
A_33_P3217709	5,09965	4,71725	1,303508509	ENST00000476797	N/A	AK097639	N/A
A_23_P135454	9,64031	9,25795	1,303472368	ENST00000269143	10939	NM_006796	AFG3L2
A_21_P0002647	2,27876	1,8964	1,303472368	N/A	N/A	N/A	Inc-KIDINS220-6
A_23_P24485	7,72259	7,34027	1,303436229	ENST00000524794	4798	NM_006165	NFRKB
A_23_P84775	11,327	10,9447	1,303418159	ENST00000302078	5356	NM_002669	PLRG1
A_22_P00020846	3,79923	3,41694	1,303409125	N/A	N/A	N/A	Inc-C7orf73-1
A_23_P131240	8,7691	8,38681	1,303409125	ENST00000404924	165324	NM_181713	UBXN2A
A_22_P00020402	3,57403	3,19182	1,30333685	N/A	N/A	N/A	Inc-RALGAPA2-2
A_23_P105535	9,14891	8,76679	1,303255547	ENST00000549591	282809	NM_172240	POC1B
A_23_P259901	4,96489	4,58282	1,30321038	ENST00000369915	8277	NM_012253	TKTL1
A_24_P225616	8,02142	7,63942	1,303147149	ENST00000360566	6241	NM_001034	RRM2
A_33_P3419481	7,49376	7,11178	1,303129084	ENST00000430745	N/A	N/A	N/A
A_22_P00011055	2,67969	2,29773	1,303111019	ENST00000560439	N/A	N/A	N/A
A_22_P00024092	8,51881	8,13688	1,303083922	ENST00000532148	145389	NM_153811	SLC38A6
A_21_P0000305	10,7631	10,3812	1,303056825	ENST00000264254	79031	NM_024065	PDCL3
A_22_P00008143	6,07881	5,69711	1,302876196	ENST00000415611	101927841	XR_250155	LOC101927841
A_24_P278460	9,69439	9,31276	1,302812981	ENST00000354817	84188	NM_032228	FAR1
A_22_P00023347	7,99324	7,61162	1,302803951	N/A	N/A	N/A	Inc-C12orf49-2
A_33_P3290622	10,1985	9,81688	1,302803951	ENST00000374454	51248	NM_016484	PDZD11
A_21_P0008664	5,81511	5,43349	1,302803951	N/A	N/A	N/A	Inc-WHAMM-2
A_23_P146497	11,026	10,6444	1,30278589	ENST00000356818	9858	NM_014811	PPP1R26
A_21_P0008380	5,48258	5,10111	1,302668503	ENST00000555032	N/A	N/A	N/A
A_33_P3365732	7,02504	6,6436	1,302641415	ENST00000528882	85456	NM_033396	TNKS1BP1
A_22_P00004325	4,39582	4,01441	1,302614327	N/A	286002	NR_028137	SLC26A4-AS1
A_33_P3842629	1,96954	1,58828	1,302478899	N/A	N/A	N/A	XLOC_I2_013457
A_21_P0001338	4,51956	4,13833	1,302451815	N/A	N/A	N/A	Inc-CDC7-1

A_33_P3387756	10,7088	10,3276	1,302424731	ENST00000308906	198437	NM_001007125	LKAAEAR1
A_21_P0013587	9,87022	9,48918	1,302280296	N/A	N/A	N/A	XLOC_I2_014835
A_33_P3367247	7,52718	7,14615	1,302271269	ENST00000380641	54875	NM_001114395	CNTLN
A_23_P127446	13,0848	12,7039	1,302153928	ENST00000532052	5977	NM_006268	DPF2
A_19_P00316340	6,42045	6,03956	1,302144902	N/A	100506860	N/A	LOC100506860
A_19_P00317963	3,58435	3,20369	1,301937326	N/A	N/A	N/A	Inc-PERP-3
A_24_P8454	7,79874	7,41809	1,301928301	ENST00000505173	9043	NM_001130528	SPAG9
A_23_P104464	11,5522	11,1716	1,301883181	ENST00000610656	240	NM_000698	ALOX5
A_21_P0012237	5,4563	5,07579	1,301801968	N/A	N/A	N/A	XLOC_I2_009278
A_23_P86330	15,1392	14,7587	1,301792944	ENST00000367577	51278	NM_016545	IER5
A_32_P144596	8,85024	8,46974	1,301792944	ENST00000310430	8658	NM_003747	TNKS
A_33_P3371989	2,51313	2,13268	1,301747828	ENST00000370901	3547	NM_205833	IGSF1
A_33_P3215487	11,5893	11,2089	1,301702714	ENST00000348624	9907	NM_014855	AP5Z1
A_23_P164691	10,7335	10,3531	1,301702714	ENST00000587992	3385	NM_002162	ICAM3
A_23_P34473	1,94403	1,56372	1,301621512	ENST00000262340	6121	NM_000329	RPE65
A_33_P3299000	3,04953	2,66926	1,301585424	ENST00000489917	83890	NM_031952	SPATA9
A_23_P75083	7,61936	7,23911	1,30156738	ENST00000509513	10771	NM_212479	ZMYND11
A_23_P151368	10,4783	10,0981	1,301522272	ENST00000382754	221143	NM_174928	N6AMT2
A_33_P3399253	1,89132	1,51113	1,301513251	N/A	102724987	N/A	LOC102724987
A_21_P0014576	3,74797	3,36778	1,301513251	N/A	N/A	AI830629	N/A
A_23_P146004	8,88437	8,50419	1,301504229	ENST00000440859	79872	NM_024814	CBLL1
A_33_P3377209	8,56721	8,18715	1,301395978	ENST00000362052	2029	NM_207168	ENSA
A_24_P506816	3,63667	3,25667	1,301341855	ENST00000484189	401428	NR_002158	OR2A20P
A_22_P00012059	4,50533	4,12534	1,301332835	ENST00000564376	51090	N/A	PLLP
A_23_P423864	14,0848	13,7049	1,301251656	ENST00000257118	1912	NM_198040	PHC2
A_23_P162766	10,1323	9,75241	1,301242637	ENST00000442173	23348	NM_015296	DOCK9
A_33_P3315223	9,95118	9,57134	1,30119754	ENST00000314940	10949	NM_006805	HNRNPA0
A_32_P195065	6,8708	6,49102	1,301143426	ENST00000357877	10505	NM_004263	SEMA4F
A_33_P3222524	3,53344	3,15368	1,301125388	N/A	N/A	N/A	N/A
A_24_P169524	1,99927	1,61953	1,301107351	ENST00000427283	N/A	N/A	N/A
A_24_P379233	11,6055	11,2258	1,301071277	ENST00000373366	2707	NM_024009	GJB3
A_23_P215931	11,2214	10,8417	1,301071277	ENST00000321250	23484	NM_015344	LEPROTL1
A_21_P0009331	5,75937	5,37969	1,301053241	N/A	103752589	N/A	TMEM92-AS1

A_23_P12463	13,1573	12,7777	1,300981097	ENST00000367602	5768	NM_002826	QSOX1
A_33_P3705275	3,88992	3,51032	1,300981097	ENST00000588648	147991	NM_207325	DPY19L3
A_23_P30162	7,82345	7,44386	1,300972079	ENST00000509826	256471	NM_152778	MFSD8
A_33_P3283813	3,47537	3,09582	1,300936009	ENST00000427715	169026	NM_001172813	SLC30A8
A_21_P0014834	3,42725	3,04772	1,300917974	N/A	N/A	N/A	N/A
A_21_P0008749	2,85261	2,47309	1,300908957	N/A	N/A	N/A	Inc-UBAP1L-1
A_23_P409438	5,63518	5,25571	1,300863872	ENST00000331982	282616	NM_172138	IFNL2
A_22_P00008656	3,44458	3,06516	1,300818788	ENST00000531948	N/A	N/A	N/A
A_33_P7491516	2,9117	2,5323	1,300800755	N/A	100506655	NR_039998	LCMT1-AS2
A_23_P35205	8,23239	7,85304	1,300755674	ENST00000374395	11123	NM_013441	RCAN3
A_21_P0003594	3,32683	2,94749	1,300746657	N/A	N/A	N/A	Inc-PCDH7-6
A_33_P3211342	2,43284	2,05353	1,300719609	N/A	N/A	N/A	Inc-AC021066.1-2
A_33_P3249046	3,97132	3,59203	1,300701578	ENST00000336803	9075	NM_001171092	CLDN2
A_24_P99046	7,54933	7,17013	1,300620438	ENST00000389032	23012	NM_015000	STK38L
A_21_P0007649	3,99834	3,61936	1,300422119	N/A	N/A	N/A	Inc-FAM101A-2
A_33_P3382291	2,06983	1,69097	1,300313957	N/A	100133957	NR_028119	UXT-AS1
A_22_P00007647	3,79489	3,41608	1,300268893	ENST00000426616	N/A	DA506378	N/A
A_21_P0000186	5,11475	4,73598	1,300232842	N/A	284385	N/A	ZNF561-AS1
A_22_P00016108	6,50163	6,12294	1,300160744	N/A	102724814	NR_110555	LOC102724814
A_21_P0004548	6,49615	6,11751	1,300115684	N/A	79844	N/A	ZDHHC11
A_33_P3406811	3,83665	3,45802	1,300106673	N/A	N/A	N/A	N/A
A_24_P346762	6,61368	6,23505	1,300106673	ENST00000378557	80256	NM_025182	FAM214B
A_23_P108404	8,86768	8,48906	1,300097661	ENST00000453371	116987	NM_001037131	AGAP1
A_22_P00003850	4,16353	3,78492	1,300088649	ENST00000421019	100506115	NM_001278655	LINC01272
A_33_P3293734	11,8975	11,5189	1,300079638	N/A	N/A	N/A	N/A
A_24_P101921	2,13131	1,75273	1,300061615	N/A	10640	AF118083	EXOC5
A_21_P0014871	12,9358	12,5574	1,299899421	ENST00000552481	N/A	N/A	N/A
A_23_P353035	3,71282	3,33452	1,299809322	ENST00000295666	3490	NM_001553	IGFBP7
A_23_P140290	2,33561	1,95743	1,299701212	ENST00000557422	6252	NM_021136	RTN1
A_33_P3220738	1,93162	1,55358	1,299575094	ENST00000424564	460	NM_207108	ASTN1
A_32_P201979	6,57063	6,19263	1,299539062	ENST00000298068	143279	NM_182765	HECTD2
A_24_P144163	14,6393	14,2613	1,299539062	ENST00000479057	N/A	N/A	N/A
A_22_P00008942	4,02405	3,64609	1,299503032	ENST00000565518	N/A	AL117588	N/A

A_22_P00025269	1,82812	1,45019	1,29947601	N/A	N/A	AA412646	Inc-C1orf31-2
A_22_P00005149	6,35697	5,97909	1,299430974	N/A	101927978	XR_433286	LOC101927978
A_33_P3348086	3,62361	3,24576	1,299403954	N/A	N/A	N/A	N/A
A_24_P310009	8,17119	7,79341	1,299340908	ENST00000570827	124739	NM_153210	USP43
A_33_P3287537	5,92252	5,54476	1,299322895	ENST00000371720	23203	AK307206	PMPCA
A_21_P0010545	7,50843	7,13069	1,299304883	N/A	101410535	N/A	LAMTOR5-AS1
A_21_P0005195	4,51651	4,1389	1,299187809	N/A	N/A	N/A	Inc-GNB2-1
A_21_P0000340	6,76162	6,38408	1,299124773	N/A	677837	NR_002986	SNORA60
A_21_P0003187	2,01424	1,63676	1,299070746	N/A	N/A	N/A	Inc-ZBBX-3
A_33_P3214650	10,6985	10,3211	1,298998712	ENST00000452371	6891	NM_001290043	TAP2
A_21_P0008645	1,98596	1,60856	1,298998712	N/A	N/A	N/A	Inc-AC069368.3.1-1
A_33_P3348220	3,49797	3,12063	1,298944689	ENST00000583646	64772	NM_001042573	ENGASE
A_22_P00024620	3,10808	2,73075	1,298935685	N/A	N/A	N/A	Inc-CBLL1-1
A_22_P00011540	5,86474	5,48742	1,298926682	ENST00000504882	N/A	N/A	N/A
A_32_P109794	10,2839	9,90658	1,298926682	ENST00000354586	6815	NM_145251	STYX
A_22_P00018341	7,67339	7,29617	1,29883665	ENST00000359653	54764	NM_017580	ZRANB1
A_23_P76743	4,17449	3,79732	1,298791637	ENST00000550583	374569	NM_001080464	ASPG
A_33_P3232458	9,3738	8,99669	1,298737623	ENST00000404424	79745	NM_024692	CLIP4
A_22_P00001167	3,9541	3,57704	1,298692613	N/A	101927256	XR_242121	LOC101927256
A_21_P0009730	3,26937	2,89235	1,298656606	ENST00000593109	386758	NR_037161	ZNF582-AS1
A_23_P16573	10,5538	10,1768	1,298638603	ENST00000598277	54555	NM_019070	DDX49
A_33_P3334205	4,85561	4,47861	1,298638603	ENST00000319018	202915	NM_001097620	TMEM184A
A_21_P0005710	1,81159	1,43459	1,298638603	N/A	N/A	N/A	Inc-NKAIN3-6
A_24_P324563	11,8475	11,4706	1,298548591	ENST00000592757	81926	NM_031213	ABHD17A
A_22_P00014168	5,42588	5,04903	1,298503588	N/A	N/A	AK002090	Inc-SCRN3-3
A_21_P0008930	2,06884	1,69203	1,298467586	N/A	N/A	N/A	Inc-RP11-22D3.1.1-3
A_21_P0006718	2,49801	2,12124	1,298431585	ENST00000562162	N/A	XR_424076	N/A
A_23_P364625	2,75896	2,38224	1,298386586	ENST00000380055	64922	NM_022901	LRRC19
A_33_P3409996	7,32352	6,94685	1,298341588	ENST00000401897	9907	NM_014855	AP5Z1
A_21_P0009796	4,17274	3,79611	1,298305591	N/A	N/A	N/A	Inc-ZNF71-3
A_21_P0010668	3,25044	2,87387	1,298251597	N/A	N/A	N/A	XLOC_I2_001288
A_33_P3214422	4,03747	3,66092	1,298233599	ENST00000483551	8125	AK127498	ANP32A
A_23_P404965	8,31266	7,93621	1,298143616	ENST00000376621	2794	NM_005275	GNL1

A_23_P19479	9,98137	9,60495	1,298116622	ENST00000466336	8859	NM_032454	STK19
A_23_P82412	13,7646	13,3882	1,298098626	ENST00000457352	55695	NM_148956	NSUN5
A_23_P420218	3,29584	2,91953	1,298017649	ENST00000270458	59283	NM_031895	CACNG8
A_24_P113686	10,8156	10,4393	1,298008652	ENST00000370574	54680	NM_017953	ZNHIT6
A_23_P409626	8,48818	8,1119	1,297990658	ENST00000403734	221092	NM_001079559	HNRNPUL2
A_23_P25445	4,18435	3,80808	1,297981661	ENST00000257894	84070	NM_032130	FAM186B
A_22_P00007786	7,49415	7,11793	1,297936677	ENST00000555688	283624	NR_038970	LINC00641
A_23_P502832	10,0541	9,67794	1,297882699	ENST00000374114	10137	NM_006047	RBM12
A_23_P126212	4,21558	3,83946	1,297846714	ENST00000318121	63967	NM_022111	CLSPN
A_22_P00007979	9,6321	9,25601	1,297819727	ENST00000523759	3423	NM_006123	IDS
A_21_P0013198	13,3378	12,9618	1,297738767	N/A	8781	BC065228	PSPHP1
A_33_P3360665	8,14229	7,76636	1,297675802	ENST00000410057	90	NM_001105	ACVR1
A_23_P104372	12,0728	11,6969	1,297648818	ENST00000372950	23234	NM_015190	DNAJC9
A_33_P3317198	12,4974	12,1215	1,297648818	ENST00000340473	2963	NM_004128	GTF2F2
A_22_P00011399	2,09072	1,71483	1,297639823	N/A	N/A	N/A	Inc-PACRGL-3
A_23_P415611	2,41941	2,04363	1,297540887	ENST00000512651	150159	NM_139173	SLC9B1
A_23_P99942	9,11055	8,7349	1,297423972	ENST00000532145	79705	NM_024652	LRRK1
A_21_P0010234	5,07613	4,70057	1,297343037	N/A	N/A	N/A	Inc-C21orf63-2
A_22_P00012475	3,72508	3,34952	1,297343037	N/A	N/A	N/A	Inc-PRR7-2
A_22_P00014886	3,92147	3,54595	1,297307067	N/A	N/A	N/A	Inc-SLC7A1-2
A_21_P0010721	6,07827	5,70278	1,297280091	ENST00000430442	57234	XR_426752	LINC00869
A_21_P0006100	3,00443	2,62898	1,297244123	N/A	N/A	N/A	Inc-KLF4-4
A_23_P115608	9,32332	8,94792	1,297199165	ENST00000486374	57584	NM_020824	ARHGAP21
A_22_P00009452	2,15178	1,77638	1,297199165	N/A	N/A	AK096995	Inc-MAB21L2-1
A_23_P59630	10,2224	9,84702	1,297181182	ENST00000437568	5387	BC101598	PMS2P3
A_21_P0007108	5,38876	5,01344	1,297127235	N/A	N/A	N/A	Inc-PCBD1-2
A_33_P3418766	9,14171	8,76645	1,29707329	ENST00000336078	55205	NM_018181	ZNF532
A_24_P20120	8,66373	8,2885	1,297046318	ENST00000412148	55704	NM_018084	CCDC88A
A_21_P0014447	1,72509	1,34988	1,297028338	N/A	N/A	N/A	N/A
A_21_P0014336	4,02672	3,65154	1,297001367	N/A	N/A	N/A	Inc-CA5A-4
A_23_P308673	7,56898	7,19383	1,296974397	ENST00000279394	9344	NM_004783	TAOK2
A_32_P34116	10,4424	10,0673	1,296929448	ENST00000368494	116150	NM_138459	NUS1
A_33_P3380417	8,69622	8,32114	1,296911469	ENST00000539591	253512	NM_001286807	SLC25A30

A_33_P3348288	8,69991	8,32483	1,296911469	ENST00000337910	9886	NM_001242359	RHOBTB1
A_23_P384329	6,31102	5,93598	1,296875511	ENST00000443035	10260	NM_001144823	DENND4A
A_33_P3247403	8,07373	7,69872	1,296848544	ENST00000367625	64222	NM_022371	TOR3A
A_22_P00018811	2,53849	2,16353	1,296803599	N/A	N/A	BU658380	Inc-MTX3-1
A_33_P3283599	6,65545	6,28052	1,296776633	ENST00000429823	729171	NR_003366	ANKRD20A8P
A_23_P127367	15,3755	15,0006	1,296749668	ENST00000528087	57804	NM_021173	POLD4
A_21_P0011133	8,49006	8,1152	1,296713715	ENST00000440905	93492	NM_199254	TPTE2
A_21_P0013342	4,62935	4,2545	1,296704727	ENST00000453589	51622	NM_015622	CCZ1
A_23_P137238	4,07391	3,6991	1,296668775	ENST00000492117	8284	NM_004653	KDM5D
A_24_P77968	4,86021	4,48541	1,296659787	ENST00000325888	2318	NM_001458	FLNC
A_33_P3276638	9,94502	9,57029	1,296596874	ENST00000521516	79618	NM_024567	HMBOX1
A_33_P3415623	2,05421	1,67956	1,296524978	ENST00000525971	84125	AB058704	LRRIQ1
A_22_P00016286	2,46587	2,09122	1,296524978	ENST00000544711	101930457	XR_247882	LOC101930457
A_23_P76799	11,0244	10,6498	1,296480044	ENST00000360310	11177	NM_013448	BAZ1A
A_23_P64669	11,8558	11,4813	1,296390182	ENST00000543897	55596	NM_017612	ZCCHC8
A_22_P00002526	3,96789	3,59339	1,296390182	N/A	N/A	N/A	Inc-C17orf48-1
A_22_P00009372	3,19924	2,82485	1,296291341	N/A	100874369	NR_046768	CACNA1C-IT2
A_22_P00011011	4,54636	4,17199	1,296273371	N/A	N/A	U80764	Inc-NSUN6-1
A_22_P00008907	4,74898	4,37473	1,296165554	ENST00000507579	N/A	N/A	N/A
A_33_P3320283	4,28317	3,90897	1,296120633	N/A	N/A	N/A	N/A
A_22_P00004475	4,52952	4,15538	1,29606673	N/A	101930019	XR_251537	LOC101930019
A_22_P00013730	2,50123	2,12714	1,296021813	ENST00000559394	N/A	N/A	N/A
A_19_P00320792	9,26372	8,88972	1,295940965	ENST00000420006	128439	NR_003239	SNHG11
A_33_P3268219	2,18657	1,81266	1,295860123	N/A	N/A	N/A	N/A
A_33_P3424010	2,65073	2,27682	1,295860123	ENST00000613720	N/A	L10120	N/A
A_33_P3324675	5,52426	5,15037	1,295842159	N/A	N/A	N/A	N/A
A_33_P3300867	5,92065	5,5468	1,295806231	N/A	N/A	AK124637	Inc-PAICS-1
A_22_P00022271	2,07716	1,70336	1,295761322	ENST00000553381	56252	N/A	YLPM1
A_22_P00020814	2,09934	1,72554	1,295761322	ENST00000527727	N/A	N/A	N/A
A_33_P3278664	5,08698	4,71325	1,295698453	ENST00000380180	10611	NM_001011515	PDLIM5
A_21_P0000487	4,96415	4,59049	1,295635587	N/A	692225	NR_004378	SNORD94
A_23_P98763	6,74933	6,37575	1,295563744	ENST00000538413	220074	NM_145309	LRTOMT
A_23_P357365	7,79909	7,42553	1,295545783	ENST00000483235	10274	NM_005862	STAG1

A_33_P3423791	4,35278	3,97924	1,295527824	ENST00000464418	29841	NM_198182	GRHL1
A_22_P00015408	7,82872	7,45518	1,295527824	N/A	N/A	AF086477	Inc-SRPX2-1
A_23_P126349	1,99389	1,62037	1,295509864	ENST00000370445	343472	NM_020063	BARHL2
A_23_P167882	2,79146	2,41795	1,295500884	ENST00000478427	112744	NM_052872	IL17F
A_24_P673063	11,84	11,4665	1,295491904	ENST00000437960	2171	NM_001444	FABP5
A_23_P394545	7,89	7,51658	1,295420069	ENST00000311317	23325	NM_015275	KIAA1033
A_23_P97365	12,0198	11,6464	1,295402111	ENST00000394593	55144	NM_018103	LRRC8D
A_24_P365506	9,15884	8,78546	1,295384153	ENST00000536936	55612	NM_017671	FERMT1
A_32_P148824	9,94867	9,57529	1,295384153	ENST00000367470	54953	NM_017847	C1orf27
A_22_P00001177	3,69682	3,3235	1,29533028	ENST00000554926	N/A	N/A	N/A
A_21_P0011577	12,9516	12,5783	1,295312323	ENST00000503084	3842	NM_002270	TNPO1
A_23_P43726	11,4865	11,1132	1,295312323	ENST00000378460	23279	NM_015231	NUP160
A_21_P0000830	6,68285	6,30956	1,295303345	ENST00000530270	100506233	NR_038903	RAB30-AS1
A_23_P407654	2,94358	2,57037	1,29523152	ENST00000300179	222950	NM_173564	NYAP1
A_21_P0011941	6,33744	5,96429	1,295177654	N/A	N/A	N/A	XLOC_l2_008163
A_22_P00014743	10,1675	9,79437	1,295159699	N/A	102606465	NR_109849	LOC102606465
A_21_P0005265	2,29332	1,92028	1,295078906	ENST00000445293	N/A	N/A	N/A
A_22_P00002372	2,08202	1,70904	1,295025046	N/A	N/A	N/A	Inc-C12orf61-3
A_33_P6812270	8,20377	7,83083	1,294989141	ENST00000551421	100506844	NR_038269	LOC100506844
A_22_P00006949	2,13374	1,76093	1,294872456	N/A	101929570	NR_110258	LOC101929570
A_21_P0001036	4,13021	3,75769	1,294612196	ENST00000458683	104169671	N/A	LINC01036
A_24_P160440	13,7062	13,3337	1,294594249	ENST00000430433	128308	NM_181462	MRPL55
A_32_P95067	9,37618	9,00374	1,294540409	ENST00000327299	205	NM_001005353	AK4
A_23_P94030	14,8039	14,4315	1,294504518	ENST00000222399	3912	NM_002291	LAMB1
A_22_P00005771	6,24399	5,87162	1,294477599	N/A	N/A	N/A	Inc-ENPP1-2
A_33_P3269578	7,73282	7,36047	1,294459654	ENST00000296302	55193	NM_018313	PBRM1
A_33_P3279526	7,81104	7,4387	1,294450682	ENST00000441309	N/A	N/A	N/A
A_22_P00010200	6,46103	6,08885	1,294307131	N/A	101927895	XR_241220	LOC101927895
A_24_P285032	7,59169	7,21953	1,294289188	ENST00000521702	3423	NM_006123	IDS
A_23_P423891	8,13406	7,76202	1,294181536	ENST00000609923	8034	NM_152707	SLC25A16
A_21_P0004343	2,65591	2,28391	1,294145654	ENST00000512115	102577424	N/A	LINC01574
A_23_P66543	3,83229	3,46029	1,294145654	ENST00000581552	23533	NM_014308	PIK3R5
A_33_P3329098	9,35705	8,98525	1,29396626	ENST00000621533	9589	NM_004906	WTAP

A_33_P3433873	10,362	9,99037	1,293813795	ENST00000613446	55055	NM_001287821	ZWILCH
A_23_P100868	12,0088	11,6372	1,293786891	ENST00000621344	80179	NM_001033580	MYO19
A_22_P00015955	2,18389	1,81229	1,293786891	N/A	101928295	NR_110729	LOC101928295
A_23_P343837	5,03572	4,66414	1,293768955	ENST00000453942	57097	NM_020367	PARP11
A_33_P3256500	6,84101	6,46944	1,293759988	ENST00000392645	6311	AK095017	ATXN2
A_33_P3424489	4,27018	3,89861	1,293759988	ENST00000390305	N/A	S73129	N/A
A_22_P00007523	2,959	2,58749	1,293706183	N/A	N/A	N/A	Inc-HAAO-1
A_33_P3240053	8,41169	8,04025	1,293643413	ENST00000388761	402682	NM_001015072	UFSP1
A_24_P401739	10,2525	9,88115	1,293562714	ENST00000575283	55114	NM_001006634	ARHGAP17
A_33_P3381235	6,95935	6,58827	1,293320647	N/A	100127888	NR_024470	SLCO4A1-AS1
A_33_P3218905	4,22457	3,8535	1,293311682	N/A	285512	NR_002806	FAM13A-AS1
A_23_P208013	6,80842	6,43745	1,29322204	ENST00000299687	55628	NM_017757	ZNF407
A_24_P185036	9,571	9,20006	1,293195148	ENST00000434935	55783	NM_018348	CMTR2
A_21_P0004175	1,98698	1,6161	1,293141367	ENST00000514240	N/A	N/A	N/A
A_33_P3316934	3,14664	2,7758	1,293105514	ENST00000494145	11186	AK310032	RASSF1
A_23_P125772	4,29123	3,92041	1,293087588	ENST00000370101	26576	NM_014370	SRPK3
A_33_P3343295	10,7553	10,3845	1,293069662	ENST00000571227	79585	NM_024535	CORO7
A_21_P0003914	5,39438	5,02363	1,293024848	N/A	N/A	N/A	Inc-ENPP6-1
A_33_P3376644	6,45767	6,08699	1,292962112	ENST00000447266	26054	NM_015571	SENP6
A_22_P00024170	1,93715	1,56651	1,292926264	N/A	N/A	N/A	Inc-RPL36AL-1
A_33_P6821973	4,74069	4,37009	1,292890417	N/A	400960	NR_033872	PCBP1-AS1
A_23_P104892	15,2691	14,8985	1,292890417	ENST00000396525	1982	NM_001418	EIF4G2
A_33_P3268464	7,51098	7,14054	1,292747039	N/A	9526	AK027742	MPDU1
A_24_P943393	15,3907	15,0203	1,292711197	ENST00000378024	79026	NM_001620	AHNAK
A_22_P00002141	4,16103	3,79066	1,292684316	ENST00000420264	N/A	N/A	N/A
A_24_P135444	11,0858	10,7155	1,292621596	ENST00000568325	267	NM_001144	AMFR
A_23_P41359	10,7914	10,4212	1,292532001	ENST00000507532	27309	NM_014487	ZNF330
A_33_P3246663	2,0412	1,67104	1,292496165	ENST00000580256	644139	NM_001101387	PIRT
A_21_P0007324	2,96578	2,59564	1,292478247	N/A	102723330	XR_424228	LOC102723330
A_22_P00014394	2,9446	2,57446	1,292478247	ENST00000442852	N/A	N/A	N/A
A_33_P3263417	8,43455	8,06444	1,292451371	N/A	378805	NR_109851	LINC-PINT
A_24_P80138	11,2763	10,9062	1,292442413	ENST00000264254	79031	NM_024065	PDCL3
A_22_P00000515	3,77098	3,40101	1,292325957	N/A	400997	NR_122074	LOC400997



A_23_P144005	6,62341	6,25344	1,292325957	ENST00000415132	51066	NM_015931	SSUH2
A_33_P3279193	2,02157	1,65165	1,292281169	ENST00000533247	N/A	N/A	N/A
A_22_P00007066	10,7997	10,4298	1,292263255	ENST00000559672	N/A	N/A	N/A
A_33_P3223648	7,44162	7,07173	1,292254297	ENST00000406711	100505876	NR_037879	CEBPZOS
A_32_P181103	9,47092	9,10112	1,292173685	ENST00000233838	2677	NM_000821	GGCX
A_33_P3328814	4,83484	4,46508	1,292137859	ENST00000426838	26040	NM_001130110	SETBP1
A_33_P3342569	3,66519	3,29548	1,292093077	ENST00000522530	729159	NM_001282301	LOC729159
A_23_P347528	10,8014	10,4317	1,292084121	ENST00000257915	7024	NM_005653	TFCP2
A_23_P23983	9,97685	9,60719	1,292048298	ENST00000476912	80013	NM_024948	FAM188A
A_33_P3398107	10,2792	9,90955	1,292039342	ENST00000372727	90196	NM_001197129	SYS1
A_33_P3257187	9,41166	9,04202	1,292030386	ENST00000397128	5562	NM_206907	PRKAA1
A_21_P0000588	6,83659	6,46696	1,292021431	N/A	404266	NR_110331	HOXB-AS3
A_24_P85317	7,13769	6,76807	1,292012475	ENST00000420239	1106	NM_001042572	CHD2
A_24_P98762	2,08612	1,71658	1,291940833	ENST00000527614	5519	NM_002716	PPP2R1B
A_33_P3689678	1,98938	1,62003	1,291770698	N/A	285857	AK097853	LOC285857
A_33_P3340105	7,68421	7,3149	1,291734883	ENST00000430708	646201	NR_033774	BASP1P1
A_22_P00004741	2,62351	2,2542	1,291734883	N/A	100507178	NR_037868	SLFNL1-AS1
A_23_P411881	9,13655	8,76742	1,291573728	ENST00000615625	10464	NM_006346	PIBF1
A_21_P0014122	4,38706	4,01798	1,291528966	N/A	N/A	N/A	N/A
A_22_P00013163	1,9748	1,60572	1,291528966	N/A	N/A	N/A	Inc-RNF113B-2
A_33_P3347161	7,56742	7,19851	1,291376788	ENST00000380961	6907	NM_005647	TBL1X
A_33_P3248787	4,20645	3,83758	1,291340983	N/A	N/A	DB221055	N/A
A_24_P118247	9,00001	8,63118	1,29130518	ENST00000564584	348180	NM_001012762	CTU2
A_23_P63825	13,1848	12,816	1,291278329	ENST00000489349	2805	NM_002079	GOT1
A_23_P382199	12,4066	12,0378	1,291278329	ENST00000583475	9218	NM_003574	VAPA
A_23_P74895	2,12368	1,75493	1,291233577	ENST00000254231	79727	NM_024674	LIN28A
A_23_P62647	3,90038	3,53165	1,291215677	ENST00000235739	6504	NM_003037	SLAMF1
A_21_P0001654	2,35756	1,98883	1,291215677	N/A	N/A	N/A	Inc-HNRNPU-2
A_33_P3433156	8,08296	7,71425	1,291197777	ENST00000485175	55687	NM_001282785	TRMU
A_21_P0000285	9,44894	9,08024	1,291188827	N/A	26800	NR_002744	SNORD49A
A_33_P3264771	1,88778	1,51912	1,291153028	ENST00000398468	344022	NM_001134462	NOTO
A_33_P3212232	2,57534	2,20678	1,291063536	ENST00000361050	219972	NM_001039396	MPEG1
A_22_P00012779	6,84602	6,47748	1,291045638	ENST00000582435	101927323	NR_110774	PPP4R1-AS1

A_24_P229234	3,20091	2,83269	1,290759306	ENST00000251041	23026	NM_015011	MYO16
A_32_P47701	15,3195	14,9515	1,29056249	ENST00000488500	1915	NM_001402	EEF1A1
A_32_P94660	7,96992	7,60221	1,290303097	ENST00000398851	114659	NM_052888	LRRC37B
A_19_P00810806	7,69262	7,32492	1,290294153	N/A	101929212	NR_104064	SMIM2-AS1
A_33_P3283350	4,86101	4,49335	1,290258379	N/A	N/A	N/A	N/A
A_33_P3332937	3,89131	3,52367	1,290240493	N/A	650794	BX648740	MIPEPP3
A_21_P0008607	4,30138	3,93391	1,290088466	ENST00000560056	100507480	XR_109174	LOC100507480
A_22_P00012315	1,8353	1,46784	1,290079524	N/A	N/A	N/A	Inc-PPP6C-2
A_22_P00024264	8,29507	7,92768	1,29001693	N/A	N/A	AB000465	Inc-ADD1-1
A_22_P00004186	5,34603	4,97864	1,29001693	ENST00000452787	100507140	N/A	LOC100507140
A_24_P170753	6,82388	6,45652	1,289990106	ENST00000443539	347918	AK090610	EP400NL
A_23_P79259	8,90381	8,53645	1,289990106	ENST00000409212	23677	NM_014521	SH3BP4
A_24_P9090	10,6022	10,2349	1,289936458	ENST00000621267	9987	NM_031372	HNRNPDL
A_24_P96403	12,0103	11,6431	1,289847049	ENST00000344691	861	NM_001001890	RUNX1
A_23_P92642	10,0354	9,6682	1,289847049	ENST00000394723	54882	NM_024668	ANKHD1
A_23_P202117	7,63902	7,27185	1,289820228	ENST00000490164	84333	NR_046310	PCGF5
A_33_P3211327	5,98256	5,61541	1,289802347	ENST00000334821	100130348	AK124141	TMEM262
A_23_P39755	4,61178	4,24465	1,289784467	ENST00000287590	93010	NM_145236	B3GNT7
A_24_P943815	5,92229	5,55524	1,289712948	ENST00000444736	8228	NM_004650	PNPLA4
A_19_P00807670	5,37304	5,00603	1,28967719	N/A	144481	NR_038263	SOCS2-AS1
A_24_P942321	5,27377	4,9068	1,289641433	ENST00000357447	55691	NM_018027	FRMD4A
A_33_P3292083	4,03928	3,67232	1,289632494	ENST00000530033	100505532	N/A	LINC01301
A_23_P165698	8,97596	8,6091	1,289543107	ENST00000258457	79074	NM_024093	C2orf49
A_32_P60459	10,7431	10,3763	1,289489477	ENST00000376495	220213	NM_001145373	OTUD1
A_33_P3411805	5,67273	5,30593	1,289489477	ENST00000412714	N/A	N/A	N/A
A_23_P126706	2,51292	2,14614	1,289471601	ENST00000367629	9068	NM_004673	ANGPTL1
A_33_P3378707	7,24262	6,8759	1,289417975	N/A	646214	N/A	LOC646214
A_21_P0006035	3,27068	2,90413	1,289266045	ENST00000450399	N/A	N/A	N/A
A_24_P100517	10,6225	10,2561	1,289132004	ENST00000409687	89958	NM_178448	SAPCD2
A_19_P00325158	9,12032	8,75392	1,289132004	ENST00000534336	378938	NR_002819	MALAT1
A_23_P410040	1,8499	1,4836	1,289042652	ENST00000621889	90134	NM_173162	KCNH7
A_33_P3330323	7,29535	6,92906	1,289033717	ENST00000219905	23269	NM_001080541	MGA
A_33_P3327063	1,90559	1,53931	1,289024782	ENST00000455136	161497	NM_153700	STRC

A_22_P00017698	3,44249	3,07627	1,288971174	ENST00000562532	343702	AK123879	XKR7
A_23_P98580	9,56922	9,20305	1,288926502	ENST00000523235	9415	NM_004265	FADS2
A_19_P00320242	6,46572	6,0996	1,288881832	N/A	N/A	AF319524	Inc-SNURF-1
A_32_P41496	10,1192	9,7531	1,288863965	ENST00000424288	100132831	N/A	LOC100132831
A_24_P372562	13,3833	13,0173	1,28877463	ENST00000533507	114971	NM_175732	PTPMT1
A_33_P3325262	11,2981	10,9321	1,28877463	ENST00000568600	6535	NM_005629	SLC6A8
A_33_P3364443	6,84532	6,47936	1,288738899	ENST00000560208	643911	N/A	CRNDE
A_23_P401014	8,83333	8,46741	1,288703168	ENST00000570085	25820	NM_005744	ARIH1
A_23_P115261	3,67599	3,31014	1,288640641	ENST00000366667	183	NM_000029	AGT
A_24_P159312	7,76416	7,39836	1,288595981	ENST00000566454	9057	NM_001076785	SLC7A6
A_21_P0005531	5,82259	5,4568	1,288587049	N/A	N/A	N/A	Inc-AKR1B1-1
A_24_P216421	5,40849	5,04272	1,288569185	ENST00000481841	1838	NM_033148	DTNB
A_33_P3314974	6,1585	5,79277	1,288533459	N/A	100130522	NR_028339	PARD6G-AS1
A_21_P0007750	4,58482	4,21917	1,28846201	N/A	N/A	N/A	Inc-C12orf42-3
A_23_P92994	10,4179	10,0523	1,288417356	ENST00000409565	56947	NM_020194	MFF
A_21_P0002520	2,12087	1,75529	1,288399495	N/A	N/A	N/A	Inc-TLK1-1
A_21_P0013386	9,91123	9,54576	1,288301263	ENST00000535943	92105	NM_033547	INTS4
A_33_P3233843	5,39833	5,0329	1,288265544	ENST00000522633	3572	NM_001190981	IL6ST
A_32_P517715	4,06182	3,69642	1,288238756	ENST00000487270	5890	NM_133509	RAD51B
A_33_P3221665	3,54304	3,17777	1,288122679	ENST00000422435	23046	NM_001252102	KIF21B
A_33_P3330236	6,67239	6,30715	1,288095893	N/A	N/A	N/A	N/A
A_22_P00001630	6,38016	6,01495	1,288069108	ENST00000565044	N/A	BX538340	N/A
A_22_P00012188	1,95963	1,59446	1,288033396	ENST00000435156	N/A	N/A	N/A
A_24_P390833	6,70653	6,34142	1,287979829	ENST00000592977	65258	NM_023075	MPPE1
A_23_P341443	13,6055	13,2404	1,287970902	ENST00000174618	4335	NM_020310	MNT
A_23_P210719	10,7506	10,3855	1,287970902	ENST00000461211	55968	NM_016143	NSFL1C
A_23_P307860	4,27908	3,91399	1,287961974	ENST00000478865	136306	NM_174959	SVOPL
A_33_P3332382	7,79517	7,43012	1,287926265	N/A	100129406	AK092791	LOC100129406
A_24_P397817	1,93339	1,56837	1,287899483	ENST00000308868	3952	NM_000230	LEP
A_23_P340376	2,29352	1,92856	1,287845922	ENST00000624762	11223	NM_001271733	MST1L
A_23_P401380	10,3683	10,0034	1,287792363	ENST00000301180	57609	NM_173602	DIP2B
A_22_P00021650	4,00611	3,64123	1,287774511	N/A	N/A	N/A	Inc-AEBP2-2
A_19_P00812715	4,51418	4,14941	1,287676327	N/A	N/A	N/A	XLOC_I2_010118

A_33_P3343432	9,62575	9,26101	1,287649551	ENST00000471464	117145	NM_053055	THEM4
A_23_P152181	11,3846	11,0199	1,28761385	ENST00000563282	55718	NM_018119	POLR3E
A_33_P3349334	11,3044	10,9397	1,28761385	ENST00000339298	122809	NM_199421	SOCS4
A_21_P0004997	1,83157	1,467	1,287497829	N/A	101928004	XR_241967	LOC101928004
A_22_P00010171	2,11975	1,75522	1,287462133	N/A	N/A	N/A	Inc-MRPS22-2
A_23_P36076	15,6168	15,2523	1,287435361	ENST00000293880	6749	NM_003146	SSRP1
A_23_P73493	10,9052	10,5408	1,287346126	ENST00000370277	1069	NM_004344	CETN2
A_24_P128312	7,63847	7,27408	1,287337203	ENST00000543471	7633	NM_007135	ZNF79
A_22_P00007311	2,09172	1,72734	1,28732828	N/A	N/A	BM127608	Inc-GPR63-2
A_22_P00019636	8,46303	8,09867	1,287310434	N/A	N/A	N/A	Inc-TMEM5-1
A_24_P101561	8,68315	8,31881	1,287292588	ENST00000488019	N/A	N/A	N/A
A_22_P00022877	7,15399	6,78968	1,28726582	N/A	N/A	BM906553	Inc-IL15RA-1
A_22_P00020375	7,65375	7,28945	1,287256897	ENST00000440790	651302	NR_103448	ZNF192P1
A_33_P3212982	8,57572	8,21144	1,287239052	ENST00000582986	9842	NM_014798	PLEKHM1
A_21_P0006818	5,4502	5,08592	1,287239052	N/A	N/A	N/A	Inc-AKR1E2-5
A_22_P00003944	5,94678	5,58258	1,287167674	ENST00000418451	N/A	N/A	N/A
A_33_P3329949	13,3042	12,94	1,287167674	ENST00000463788	310	NM_004034	ANXA7
A_33_P3376365	9,73834	9,37414	1,287167674	ENST00000377836	54626	BC012091	HES2
A_22_P00003188	5,0497	4,68554	1,287131987	N/A	N/A	N/A	Inc-C9orf95-1
A_33_P3262580	7,80007	7,43592	1,287123065	ENST00000371206	953	AJ133134	ENTPD1
A_23_P118607	9,82404	9,45991	1,287105222	ENST00000423601	100885850	NM_025267	PTGES3L-AARSD1
A_23_P103131	12,1169	11,7528	1,287078458	ENST00000404569	54471	NM_019008	MIEF1
A_21_P0007592	3,88102	3,51695	1,287051694	N/A	N/A	N/A	Inc-NAV3-1
A_33_P3245278	5,52762	5,16363	1,286980327	ENST00000615556	5793	NM_002841	PTPRG
A_22_P00013012	3,62138	3,25742	1,286953565	N/A	N/A	N/A	Inc-RGMA-3
A_23_P101811	8,25497	7,89104	1,286926804	ENST00000344099	7561	NM_021030	ZNF14
A_33_P3261862	2,67434	2,31049	1,286855443	ENST00000391496	402317	NM_001001802	OR2A42
A_33_P3311618	9,87753	9,51368	1,286855443	ENST00000462042	5876	NM_004582	RABGGTB
A_22_P00010022	3,8861	3,52226	1,286846524	N/A	140846	NR_109815	FAM83C-AS1
A_22_P00022008	2,07602	1,7122	1,286828684	N/A	N/A	N/A	Inc-C6orf228-2
A_21_P0007567	2,00089	1,6371	1,286801926	N/A	N/A	N/A	Inc-XRCC6BP1-1
A_24_P148811	9,35003	8,98627	1,286775168	ENST00000322623	8607	NM_003707	RUVBL1
A_23_P148984	9,12979	8,76604	1,286766248	ENST00000361951	55157	NM_018122	DARS2

A_33_P3262376	1,98774	1,624	1,286757329	ENST00000307050	161725	NM_130901	OTUD7A
A_23_P348636	5,91719	5,55345	1,286757329	ENST00000322957	2302	NM_001454	FOXJ1
A_33_P3560679	2,494	2,13031	1,286712734	ENST00000568031	N/A	BC026225	N/A
A_33_P3416286	10,2201	9,85643	1,286694897	ENST00000359646	10137	NM_006047	RBM12
A_21_P0013773	7,161	6,79738	1,286650304	ENST00000431339	N/A	N/A	N/A
A_33_P3336915	16,1939	15,8303	1,286632468	ENST00000495111	N/A	AB209077	N/A
A_23_P61823	10,7615	10,3979	1,286632468	ENST00000471466	53917	NM_001031677	RAB24
A_33_P3317825	9,13723	8,77374	1,28653437	ENST00000369535	4893	NM_002524	NRAS
A_23_P414895	8,82875	8,46529	1,286507618	ENST00000525135	55761	NM_018259	TTC17
A_21_P0012142	1,84288	1,47948	1,286454115	ENST00000472805	100130934	N/A	ZNF663P
A_21_P0000933	3,44926	3,08587	1,286445198	ENST00000435253	101928476	NR_125954	LOC101928476
A_33_P3423984	2,8085	2,44513	1,286427364	ENST00000508898	23022	AK096458	PALLD
A_23_P121326	9,84491	9,48154	1,286427364	ENST00000418577	11068	NM_007022	CYB561D2
A_24_P244699	10,081	9,71766	1,286400614	ENST00000258662	55270	NM_018283	NUDT15
A_23_P120056	9,58175	9,21854	1,286284703	ENST00000272430	6242	NM_033046	RTKN
A_24_P269062	8,34144	7,97824	1,286275787	ENST00000344120	81848	NM_030964	SPRY4
A_21_P0010876	9,57497	9,21193	1,286133142	ENST00000532854	642826	NR_024495	BMS1P6
A_22_P00001460	2,31387	1,95085	1,286115313	ENST00000546821	101927292	NR_110048	LOC101927292
A_23_P4294	8,94037	8,57745	1,286026169	ENST00000570486	7775	NM_014519	ZNF232
A_33_P3227467	12,6667	12,3038	1,286008341	ENST00000267859	663	NM_004330	BNIP2
A_24_P29975	12,9009	12,538	1,286008341	ENST00000465124	81873	NM_030978	ARPC5L
A_21_P0008593	2,01649	1,65364	1,285963772	N/A	N/A	N/A	Inc-C15orf2-5
A_21_P0007500	4,14626	3,78341	1,285963772	N/A	N/A	N/A	Inc-CD9-1
A_23_P105227	5,50329	5,14046	1,285945945	ENST00000323418	10873	NM_001014811	ME3
A_22_P00021935	3,31721	2,95439	1,285937032	ENST00000433219	N/A	BG181804	N/A
A_33_P3238493	3,67171	3,30897	1,285865726	ENST00000423550	22982	NM_014974	DIP2C
A_19_P00321223	5,09764	4,73519	1,285607277	ENST00000437696	N/A	N/A	N/A
A_21_P0002412	3,29419	2,93193	1,285437976	N/A	N/A	N/A	Inc-APOB-3
A_21_P0007561	4,46684	4,10458	1,285437976	ENST00000566418	N/A	N/A	N/A
A_33_P3245623	4,8608	4,49855	1,285429066	N/A	N/A	N/A	N/A
A_33_P3306545	12,9831	12,6209	1,285384517	ENST00000534272	1982	NM_001172705	EIF4G2
A_23_P373649	12,3695	12,0073	1,285384517	ENST00000580018	100287932	NM_006327	TIMM23
A_21_P0000217	5,14771	4,78563	1,285277606	ENST00000485706	26814	NR_000017	SNORD36B

A_33_P3354851	6,19453	5,83247	1,285259789	ENST00000557168	N/A	X58768	N/A
A_33_P3422581	5,04732	4,6853	1,285224154	ENST00000409835	51057	NM_015910	WDPCP
A_33_P3559060	3,73777	3,37576	1,285215246	ENST00000381198	150379	NM_138814	PNPLA5
A_23_P64083	14,0691	13,7071	1,285206337	ENST00000610523	10992	NM_006842	SF3B2
A_33_P3289045	7,04718	6,68524	1,285152888	ENST00000402588	653689	NM_001080843	GSTT2B
A_22_P00018324	8,51935	8,15742	1,28514398	ENST00000481772	23145	NM_198455	SSPO
A_21_P0005676	2,03871	1,67681	1,285117257	N/A	N/A	N/A	Inc-EXTL3-1
A_22_P00020056	1,9057	1,54388	1,285045997	N/A	N/A	CU687031	Inc-C11orf30-1
A_23_P132027	10,4214	10,0596	1,285028182	ENST00000498203	6676	NM_003116	SPAG4
A_33_P3418527	2,15118	1,78938	1,285028182	ENST00000309838	390093	NM_001004461	OR10A6
A_21_P0013240	6,66539	6,3036	1,285019275	ENST00000489094	9569	NM_001199207	GTF2IRD1
A_33_P3370714	4,44411	4,08235	1,284992554	ENST00000425343	5225	NM_001166424	PGC
A_23_P58588	4,71843	4,35672	1,284948021	ENST00000519560	6586	NM_003062	SLIT3
A_23_P201647	9,84225	9,48057	1,284921301	ENST00000347615	9887	NM_173156	SMG7
A_21_P0011269	2,82524	2,46363	1,284858958	N/A	N/A	N/A	XLOC_I2_004385
A_21_P0001725	6,7585	6,39689	1,284858958	N/A	N/A	N/A	Inc-ELOVL1-1
A_24_P237389	10,0154	9,65385	1,284805523	ENST00000379607	1964	NM_001412	EIF1AX
A_33_P3366575	6,53963	6,17808	1,284805523	ENST00000372103	55916	NM_018698	NXT2
A_23_P930	8,91335	8,55181	1,284796618	ENST00000476538	51107	NM_001077628	APH1A
A_33_P3284888	4,18485	3,82342	1,284698661	ENST00000504404	220107	NM_198989	DLEU7
A_21_P0013504	4,89733	4,53592	1,284680851	ENST00000524514	100996662	XR_252493	LOC100996662
A_33_P3232692	3,56252	3,20113	1,284663042	ENST00000294984	11009	NM_001185156	IL24
A_23_P322845	10,8684	10,5071	1,284582903	ENST00000424479	84513	NM_001102559	PPAPDC1B
A_23_P251767	6,92528	6,56399	1,284573999	ENST00000538234	54971	NM_017869	BANP
A_33_P3416787	2,38386	2,02259	1,284556191	ENST00000421913	N/A	N/A	N/A
A_23_P214603	12,5047	12,1435	1,284493865	ENST00000376389	10211	NM_005803	FLOT1
A_24_P219920	8,7144	8,3532	1,284493865	ENST00000269856	55527	NM_018708	FEM1A
A_24_P248606	11,7912	11,4301	1,284404834	ENST00000357430	2181	NM_004457	ACSL3
A_22_P00014724	4,82494	4,46388	1,284369223	N/A	N/A	N/A	Inc-SLC2A12-3
A_23_P147431	10,7314	10,3704	1,284315809	ENST00000519728	4067	NM_002350	LYN
A_33_P3314471	6,76774	6,40674	1,284315809	ENST00000474969	10989	N/A	IMMT
A_21_P0005157	4,85611	4,49517	1,284262397	N/A	N/A	N/A	Inc-DTNBP1-2
A_24_P595237	1,94069	1,57977	1,284244593	ENST00000554823	646658	NM_001105579	SYNDIG1L

A_21_P0011289	2,90937	2,54854	1,284164481	N/A	N/A	N/A	XLOC_I2_004562
A_24_P188071	17,0564	16,6956	1,284137777	ENST00000552448	84790	NM_032704	TUBA1C
A_33_P3219055	11,3334	10,9726	1,284137777	ENST00000342683	145853	NM_001143936	C15orf61
A_32_P466514	8,11386	7,75308	1,284119976	ENST00000238647	64207	NM_024496	IRF2BPL
A_33_P3367073	6,85514	6,49436	1,284119976	N/A	101928991	XM_006710027	LOC101928991
A_22_P00019841	2,06249	1,70174	1,284093273	N/A	N/A	N/A	Inc-AP1S2-1
A_21_P0005094	3,57445	3,21381	1,28399537	N/A	N/A	N/A	Inc-PHF10-1
A_24_P320171	5,41571	5,0551	1,28396867	ENST00000513449	152992	NM_152544	TRMT44
A_24_P941166	8,33966	7,97914	1,283888575	ENST00000378061	155054	NM_001001661	ZNF425
A_23_P147388	11,9408	11,5803	1,283870776	ENST00000524189	23303	NM_015254	KIF13B
A_21_P0008445	3,27299	2,91265	1,283728398	N/A	N/A	N/A	Inc-SIX1-1
A_23_P34968	13,0888	12,7285	1,283692806	ENST00000497147	79005	NM_001204856	SCNM1
A_23_P68970	11,8212	11,4609	1,283692806	ENST00000263245	26286	NM_014570	ARFGAP3
A_23_P39799	6,74229	6,38202	1,283666113	ENST00000409549	84695	NM_032603	LOXL3
A_33_P6702964	7,01878	6,65853	1,283648318	ENST00000413737	57468	AW963483	SLC12A5
A_33_P3405434	4,38327	4,02307	1,283603831	ENST00000467486	127731	AK057346	VWA5B1
A_21_P0012500	4,24992	3,88972	1,283603831	ENST00000514145	N/A	XR_241558	N/A
A_33_P3316770	4,6952	4,33501	1,283594933	ENST00000463718	6579	XM_005253478	SLCO1A2
A_22_P00000596	5,49825	5,13806	1,283594933	ENST00000622400	100527964	NR_037642	LHX4-AS1
A_32_P19840	11,4301	11,07	1,283514861	N/A	N/A	XM_006710194	Inc-EPHA1-1
A_33_P3215838	3,85997	3,49989	1,283497068	ENST00000595151	354	N/A	KLK3
A_33_P3304252	12,0786	11,7186	1,283425898	ENST00000432845	64983	NM_031903	MRPL32
A_22_P00022263	8,38864	8,02868	1,283390314	N/A	N/A	N/A	Inc-AL353597.1-1
A_33_P3334548	11,7984	11,4386	1,283247989	ENST00000409600	9689	N/A	BZW1
A_21_P0004562	3,36139	3,00164	1,283203516	N/A	N/A	N/A	Inc-ANKRA2-3
A_33_P3338724	10,787	10,4273	1,283159044	ENST00000622419	94059	NM_198988	LENG9
A_22_P00017278	2,10948	1,74982	1,283123468	N/A	101927478	NR_110630	LOC101927478
A_23_P127721	5,10726	4,74764	1,283087893	ENST00000534820	5024	NM_002559	P2RX3
A_24_P659836	6,6666	6,30698	1,283087893	N/A	644186	NM_001123225	SYCE3
A_23_P68942	17,5516	17,1921	1,282981173	ENST00000481985	6122	NM_000967	RPL3
A_21_P0010133	2,5181	2,1586	1,282981173	ENST00000430060	101927821	NR_109958	LINC01425
A_33_P3218531	2,70965	2,35021	1,282927817	N/A	N/A	AF119878	Inc-C2orf65-1
A_22_P00002926	4,73519	4,37581	1,282874462	ENST00000514769	N/A	BU178338	N/A

A_23_P218375	10,2872	9,92783	1,28286557	ENST00000570360	3682	NM_002208	ITGAE
A_23_P74668	7,23387	6,87451	1,282856678	ENST00000614859	93190	NM_152290	C1orf158
A_21_P0010962	3,89024	3,5309	1,282838894	N/A	N/A	N/A	XLOC_I2_002204
A_24_P352445	11,4281	11,0688	1,282803326	ENST00000358678	28977	NM_172177	MRPL42
A_33_P3213752	13,0042	12,6449	1,282803326	ENST00000357886	51654	NM_016408	CDK5RAP1
A_24_P154080	8,12769	7,76854	1,282669958	ENST00000470394	1889	NM_001397	ECE1
A_33_P3338956	8,20268	7,84359	1,282616614	ENST00000455168	55207	NM_018184	ARL8B
A_33_P3341424	8,69138	8,33243	1,282492154	N/A	4651	NM_012334	MYO10
A_33_P3378785	8,07023	7,71135	1,282429929	ENST00000538190	387742	AK124823	FAM99A
A_33_P3378031	9,64279	9,28391	1,282429929	ENST00000355654	129787	NM_152834	TMEM18
A_24_P407259	7,55572	7,19685	1,28242104	ENST00000376945	11166	NM_007084	SOX21
A_23_P3042	11,7097	11,3511	1,282181057	ENST00000422769	5529	NM_006246	PPP2R5E
A_22_P00011655	3,10834	2,74976	1,282163283	ENST00000552524	N/A	BG401236	N/A
A_23_P259393	9,89139	9,53285	1,282127734	ENST00000394752	51460	NM_016329	SFMBT1
A_33_P3391220	3,26173	2,90321	1,28210996	ENST00000427208	151234	N/A	SULT1C2P1
A_23_P156732	9,72003	9,36158	1,282047753	ENST00000480565	5252	NM_024165	PHF1
A_33_P6476600	7,8918	7,53336	1,282038867	ENST00000512942	101929128	NR_125431	LOC101929128
A_23_P126075	12,6803	12,3219	1,282003322	ENST00000366620	3775	NM_002245	KCNK1
A_22_P00007822	5,12961	4,77127	1,281950006	ENST00000547349	101929715	NR_110597	LOC101929715
A_19_P00802464	5,27884	4,92053	1,281923349	N/A	N/A	N/A	Inc-WDR27-1
A_23_P59877	12,9305	12,5722	1,281914463	ENST00000524732	2171	NM_001444	FABP5
A_32_P5251	10,4963	10,138	1,281914463	ENST00000394081	5914	NM_001024809	RARA
A_22_P00015661	6,47873	6,12046	1,281887807	N/A	101930316	XR_247649	LOC101930316
A_21_P0007174	4,97529	4,61713	1,281790071	N/A	N/A	N/A	Inc-CTR9-3
A_23_P369456	9,00335	8,64528	1,281710112	ENST00000243918	90196	NM_033542	SYS1
A_21_P0001498	4,62648	4,26845	1,281674576	N/A	102724077	N/A	LINC01389
A_21_P0014699	8,21004	7,85202	1,281665692	N/A	102724105	XR_430257	ZNF528-AS1
A_23_P210379	12,6432	12,2852	1,281647924	ENST00000370275	55738	NM_175609	ARFGAP1
A_23_P397120	5,31561	4,95767	1,281594623	ENST00000215531	284422	NM_001136503	SMIM24
A_33_P3241782	1,84943	1,49154	1,281550207	ENST00000403045	119	NM_001617	ADD2
A_23_P129367	2,06496	1,70709	1,281532441	ENST00000360716	84229	NM_032269	DRC7
A_24_P55250	11,7477	11,3899	1,281470262	ENST00000608532	51020	NM_016063	HDDC2
A_23_P255805	10,9049	10,5471	1,281470262	ENST00000528017	7553	NM_003416	ZNF7



A_22_P00021380	6,37375	6,01613	1,281310388	ENST00000366215	401236	NM_001190766	STMND1
A_24_P93754	5,1851	4,82753	1,281265982	ENST00000381306	23081	AB018323	KDM4C
A_21_P0010228	9,5805	9,22295	1,28124822	ENST00000436878	284825	NR_126011	LOC284825
A_24_P314351	10,0083	9,65079	1,281212696	ENST00000326624	10009	NM_006777	ZBTB33
A_23_P139228	10,7141	10,3566	1,281203816	ENST00000445086	23647	NM_012402	ARFIP2
A_19_P00810523	11,2793	10,9218	1,281203816	ENST00000512623	91942	NM_174889	NDUFAF2
A_23_P103110	10,1994	9,84194	1,281168294	ENST00000538320	23764	NM_012323	MAFF
A_33_P3410284	5,74527	5,38782	1,281159413	ENST00000472874	23348	XM_006719941	DOCK9
A_22_P00007537	2,83143	2,47404	1,281106133	ENST00000563631	N/A	N/A	N/A
A_23_P159893	2,78896	2,4316	1,281079493	ENST00000372042	91851	NM_145234	CHRD1
A_33_P3380098	8,24735	7,89	1,281070613	ENST00000538144	5829	NM_001243756	PXN
A_24_P414658	6,42727	6,06993	1,281061734	ENST00000359193	8969	L19778	HIST1H2AG
A_22_P00006145	4,86769	4,51038	1,281035095	N/A	N/A	BC021142	Inc-FAM18A-1
A_23_P115215	12,1234	11,7661	1,281026216	ENST00000368892	6944	NM_005997	VPS72
A_33_P3303380	5,40607	5,04877	1,281026216	ENST00000374768	56288	XM_005252536	PARD3
A_33_P3317331	3,45939	3,10211	1,281008457	N/A	N/A	AK129846	N/A
A_23_P36183	10,7672	10,41	1,280937425	ENST00000453096	2965	NM_005316	GTF2H1
A_33_P3273136	10,7031	10,3459	1,280937425	ENST00000488770	63933	NM_001031713	MCUR1
A_23_P423926	10,3191	9,96191	1,280928546	ENST00000331758	26039	NM_198935	SS18L1
A_21_P0011229	1,97056	1,61357	1,280750984	ENST00000563710	647166	N/A	LINC00371
A_23_P94053	10,3271	9,97021	1,280662212	ENST00000359863	8295	NM_003496	TRRAP
A_22_P00000258	5,32351	4,96662	1,280662212	N/A	N/A	DA688068	Inc-AC007405.2.1-3
A_23_P150394	4,3195	3,96267	1,280608952	ENST00000526014	53826	NM_022003	FXD6
A_23_P46928	14,8707	14,5139	1,280582323	ENST00000381075	5214	NM_002627	PFKP
A_24_P402898	9,57392	9,21713	1,280573446	ENST00000454497	54726	NM_001102653	OTUD4
A_21_P0007549	4,65611	4,29932	1,280573446	N/A	N/A	N/A	Inc-FAM113B-1
A_22_P00022538	2,00314	1,64637	1,280555694	ENST00000455931	N/A	N/A	N/A
A_22_P00003567	1,9562	1,59944	1,280546818	ENST00000506299	N/A	N/A	N/A
A_21_P0014471	4,94257	4,58583	1,280529066	N/A	100505736	NR_120504	LOC100505736
A_24_P204675	14,8614	14,5047	1,280493562	ENST00000357370	100132247	NM_001135865	NPIPB5
A_33_P3424472	6,92319	6,56649	1,280493562	ENST00000265388	23534	NM_012470	TNPO3
A_21_P0003404	6,24378	5,88715	1,280431434	ENST00000504882	N/A	N/A	N/A
A_23_P314584	11,0593	10,7027	1,280404809	ENST00000357955	7867	NM_004635	MAPKAPK3

A_33_P3267640	6,04735	5,69075	1,280404809	ENST00000382774	3083	NM_001297439	HGFAC
A_23_P425516	6,82938	6,47292	1,280280563	ENST00000310032	26262	NM_012171	TSPAN17
A_21_P0010329	4,33159	3,97518	1,280236193	N/A	N/A	N/A	Inc-CRYBA4-1
A_22_P00001318	4,26821	3,9118	1,280236193	ENST00000614267	195977	NM_001278688	ANTXRL
A_22_P00024999	2,9137	2,55731	1,280218445	N/A	N/A	N/A	Inc-SHANK2-5
A_33_P3265709	2,73832	2,38201	1,280147457	ENST00000307832	134083	NM_001001657	OR2Y1
A_24_P97770	6,02795	5,67173	1,2800676	ENST00000519796	57222	NM_001031711	ERGIC1
A_23_P79931	10,775	10,4188	1,280049854	ENST00000446916	8455	NM_139322	ATRN
A_33_P3214298	13,2511	12,8949	1,280049854	ENST00000326739	3615	NM_000884	IMPDH2
A_33_P3244347	11,0496	10,6934	1,280049854	ENST00000393960	5091	NM_001040716	PC
A_22_P00000284	4,92006	4,56403	1,279899028	N/A	N/A	N/A	Inc-AC009113.1-1
A_21_P0007824	3,62302	3,26718	1,279730479	N/A	N/A	N/A	Inc-CDKN1B-1
A_22_P00024094	5,58706	5,23126	1,279694998	N/A	N/A	N/A	Inc-BEST4-1
A_24_P352952	2,47142	2,11569	1,279632908	ENST00000590074	54757	NM_017565	FAM20A
A_21_P0011493	2,27294	1,91732	1,279535345	N/A	N/A	N/A	XLOC_I2_005606
A_33_P3415913	4,47223	4,11664	1,279508738	ENST00000602269	126298	NM_001007561	IRGQ
A_24_P79241	9,40656	9,05107	1,279420052	ENST00000217173	22888	NM_014948	UBOX5
A_22_P00004629	3,98386	3,6284	1,279393448	N/A	N/A	N/A	Inc-CSTF3-1
A_24_P161293	13,318	12,9626	1,279340241	N/A	400818	CR936830	NBPF9
A_23_P6943	3,60755	3,25221	1,279287035	ENST00000284311	2838	NM_005290	GPR15
A_22_P00014164	7,33104	6,97573	1,279260434	ENST00000442865	646762	N/A	LOC646762
A_32_P75264	1,94755	1,59225	1,279251567	ENST00000399298	219623	NM_178505	TMEM26
A_33_P3315258	6,85196	6,49678	1,279145166	ENST00000467213	9557	NM_004284	CHD1L
A_33_P3257609	7,78582	7,43068	1,279109701	ENST00000367269	4660	NM_002481	PPP1R12B
A_33_P3365963	10,282	9,92688	1,279091969	N/A	N/A	N/A	N/A
A_33_P6579294	6,30187	5,94678	1,279065371	ENST00000540766	55250	N/A	ELP2
A_21_P0008836	2,61355	2,25849	1,279038774	N/A	N/A	N/A	Inc-ZSCAN2-2
A_21_P0013605	4,55646	4,20141	1,279029908	ENST00000624552	256158	NM_001291815	HMCN2
A_24_P124370	10,3233	9,9683	1,278985581	ENST00000334956	55742	NM_018222	PARVA
A_21_P0014111	5,91977	5,5649	1,278870338	N/A	101926903	NR_109998	LSAMP-AS1
A_22_P00016746	4,04424	3,68949	1,278763969	N/A	N/A	AK130443	Inc-TRIB1-3
A_33_P3251821	7,2384	6,88371	1,278710788	N/A	80006	NR_003545	TRAPPC13
A_21_P0003771	3,04191	2,68728	1,278657609	N/A	N/A	N/A	Inc-PCDH18-3

A_22_P00005595	3,58164	3,22703	1,278639883	ENST00000519005	N/A	DR156699	N/A
A_33_P3292332	12,6242	12,2696	1,27863102	ENST00000302418	3799	NM_004521	KIF5B
A_19_P00319376	6,70024	6,34569	1,278586707	N/A	550112	NR_015439	UBA6-AS1
A_22_P00000562	5,84982	5,49528	1,278577845	N/A	N/A	AL603067	Inc-AC127496.3-6
A_33_P3358253	10,3961	10,0416	1,278542395	ENST00000298229	3636	NM_001567	INPPL1
A_24_P89911	10,8409	10,4864	1,278542395	ENST00000373078	203245	NM_197956	NAIF1
A_22_P00000174	5,14339	4,78892	1,278515809	ENST00000413103	N/A	XR_110477	N/A
A_22_P00003640	5,66467	5,31023	1,278489223	N/A	N/A	N/A	Inc-CD80-1
A_21_P0014879	3,16667	2,81234	1,278391747	N/A	N/A	N/A	Inc-TCTN3-1
A_33_P3342613	13,6153	13,261	1,278365164	ENST00000320602	29801	NM_013373	ZDHHC8
A_23_P125408	8,88111	8,52682	1,278356303	ENST00000586906	83475	NM_031304	DOHH
A_33_P3379176	4,10222	3,74797	1,27832086	ENST00000455505	N/A	AK022678	N/A
A_33_P3361267	4,21179	3,85754	1,27832086	N/A	N/A	AK124326	Inc-PGR-1
A_22_P00007019	8,68915	8,33494	1,278285418	N/A	102724826	NR_126467	ZNF337-AS1
A_33_P3260782	2,99306	2,63886	1,278276558	ENST00000534379	5897	N/A	RAG2
A_19_P00331839	5,27995	4,92578	1,278249977	N/A	100132356	NR_034127	LOC100132356
A_21_P0012226	1,88546	1,53131	1,278232257	ENST00000419467	101927843	NR_109959	LOC101927843
A_23_P26976	3,86606	3,51197	1,278179098	ENST00000258969	1101	NM_001267	CHAD
A_33_P3239123	5,63369	5,27964	1,27814366	ENST00000372550	10465	AK309438	PPIH
A_33_P3350232	5,41313	5,05914	1,278090504	N/A	N/A	AK127825	N/A
A_33_P3358213	2,28859	1,93464	1,278055068	ENST00000619609	353238	NM_207421	PADI6
A_23_P337033	8,95352	8,59971	1,277931051	ENST00000266068	26205	NM_012384	GMEB2
A_32_P199301	8,94427	8,59048	1,277913335	ENST00000544902	7027	NM_007111	TFDP1
A_33_P3305102	7,92639	7,57268	1,277842475	ENST00000569977	222487	NM_170776	GPR97
A_33_P3243544	12,4869	12,1333	1,277745048	ENST00000418437	2101	NM_001282450	ESRRA
A_23_P89056	11,1816	10,8281	1,277656484	ENST00000564887	9688	NM_014669	NUP93
A_33_P3294252	11,5397	11,1862	1,277656484	ENST00000262053	466	NM_005171	ATF1
A_33_P3395823	10,6579	10,3044	1,277656484	ENST00000344425	3785	NM_172109	KCNQ2
A_23_P122228	14,9261	14,5726	1,277656484	ENST00000274137	4726	NM_004553	NDUFS6
A_33_P3299495	4,39932	4,04592	1,277567927	N/A	N/A	N/A	N/A
A_21_P0013782	4,71646	4,36309	1,277541361	N/A	N/A	N/A	XLOC_I2_015585
A_23_P339079	9,99605	9,64279	1,277443957	ENST00000586155	126231	NM_152360	ZNF573
A_22_P00009439	5,03203	4,67878	1,277435103	N/A	N/A	BM695980	Inc-LYZL1-3

A_22_P00016409	1,78408	1,43116	1,277142937	ENST00000414689	124446	BC050051	TMEM219
A_33_P3289227	1,81957	1,46665	1,277142937	ENST00000497858	7802	NM_003462	DNALI1
A_21_P0005469	3,47731	3,12441	1,277125233	ENST00000608770	101927391	NR_110084	LOC101927391
A_33_P3384252	3,54595	3,19306	1,27711638	N/A	N/A	N/A	Inc-DTYMK-3
A_22_P00022944	4,72371	4,37086	1,277080972	N/A	N/A	N/A	Inc-PBX1-2
A_33_P3403598	6,04128	5,68848	1,277036712	ENST00000416147	144404	NM_001080825	TMEM120B
A_33_P3413958	7,61501	7,26221	1,277036712	ENST00000524483	26628	NR_120437	OR7E47P
A_21_P0000281	4,74443	4,39164	1,27702786	N/A	26789	NR_002737	SNORD59A
A_24_P60268	2,22851	1,87579	1,2769659	ENST00000409093	80059	NM_024993	LRRTM4
A_22_P00004029	2,07764	1,72503	1,27686854	N/A	N/A	BE048204	Inc-CHPF-1
A_21_P0011828	2,34627	1,99368	1,276850839	N/A	N/A	N/A	XLOC_I2_007449
A_33_P3284152	4,067	3,71441	1,276850839	ENST00000407635	285191	XR_241442	LOC285191
A_33_P3327567	2,78781	2,43523	1,276841989	ENST00000467061	90407	AK172748	TMEM41A
A_22_P00000307	3,98005	3,62749	1,276824288	ENST00000457901	N/A	AB371490	N/A
A_22_P00008552	2,49321	2,14071	1,276771187	ENST00000442937	100505566	NR_047568	LINC00578
A_22_P00002624	1,83643	1,48394	1,276762337	ENST00000435542	N/A	N/A	N/A
A_22_P00000342	2,30824	1,9558	1,276718089	N/A	N/A	N/A	Inc-AC015804.1-3
A_24_P355267	10,4262	10,0738	1,276682691	ENST00000373068	114789	NM_001006641	SLC25A25
A_23_P81717	4,97045	4,61809	1,276647295	ENST00000468647	79981	NM_024919	FRMD1
A_33_P6501835	7,49157	7,13925	1,276611899	ENST00000523747	101929128	NR_125431	LOC101929128
A_33_P3252491	6,18886	5,83656	1,276594202	ENST00000342691	N/A	N/A	N/A
A_32_P780862	3,08558	2,7333	1,276576504	ENST00000397360	656	NM_001720	BMP8B
A_33_P3423740	6,13416	5,7819	1,276558807	ENST00000461715	84187	NM_032227	TMEM164
A_33_P3409261	5,29161	4,9394	1,276514566	ENST00000617069	100652758	NM_001278082	LOC100652758
A_22_P00006932	5,02776	4,67555	1,276514566	N/A	N/A	N/A	Inc-GATAD1-2
A_24_P766208	17,4009	17,0487	1,276505718	ENST00000417615	6122	NM_000967	RPL3
A_33_P3324333	9,25368	8,90149	1,27649687	ENST00000581935	N/A	BC022023	N/A
A_23_P129629	11,7186	11,3665	1,27641724	ENST00000566451	4504	NM_005954	MT3
A_33_P3813561	1,97628	1,62423	1,276373004	N/A	283728	AK095617	LOC283728
A_22_P00000494	6,42864	6,07664	1,276328769	N/A	100873924	NR_046901	HLX-AS1
A_23_P205336	12,1676	11,8157	1,276240304	ENST00000556095	51527	NM_016472	GSKIP
A_23_P210869	3,70474	3,35288	1,276204919	ENST00000376075	84701	NM_032609	COX4I2
A_22_P00022710	2,14387	1,79207	1,276151844	ENST00000544034	N/A	N/A	N/A

A_33_P3370305	4,6449	4,29316	1,276098772	ENST00000541594	113277	NM_001291586	TMEM106A
A_22_P00014326	10,4312	10,0795	1,276063391	N/A	N/A	BC038733	Inc-SERPINC1-1
A_23_P164737	10,2737	9,92202	1,276045701	ENST00000263390	9441	NM_004831	MED26
A_23_P76622	5,49348	5,14185	1,276001478	ENST00000446125	1638	NM_001922	DCT
A_24_P942354	12,9858	12,6342	1,275974944	ENST00000539476	5306	NM_006224	PITPNA
A_33_P3240787	4,17405	3,82251	1,275921879	N/A	100131910	AK130702	LOC100131910
A_21_P0003693	2,08299	1,73149	1,275886504	N/A	N/A	N/A	Inc-F11-3
A_22_P00005964	4,30345	3,95211	1,275745011	N/A	N/A	XM_005273639	Inc-EXTL3-5
A_23_P30972	10,1929	9,84161	1,275700798	ENST00000324723	10973	NM_022091	ASCC3
A_33_P3263387	7,85664	7,50535	1,275700798	ENST00000392102	9654	NM_014640	TLL4
A_21_P0008730	2,05391	1,70269	1,275638902	N/A	N/A	N/A	Inc-EXD1-1
A_21_P0010068	5,30651	4,95534	1,275594693	N/A	N/A	N/A	Inc-HRH3-1
A_23_P101319	4,75091	4,39975	1,275585851	ENST00000544719	26974	NM_152354	ZNF285
A_33_P3257861	5,66912	5,31798	1,275568168	ENST00000439388	1757	NM_001134707	SARDH
A_33_P3223980	12,8067	12,4556	1,275532802	ENST00000509409	7170	NM_001043352	TPM3
A_19_P00813085	5,94984	5,59877	1,275506278	N/A	N/A	N/A	Inc-SNURF-1
A_33_P3237859	2,15516	1,80425	1,275364828	ENST00000521715	497634	N/A	LINC00293
A_33_P3270009	2,3411	1,99022	1,275338308	ENST00000405141	8648	NM_147223	NCOA1
A_33_P3221164	3,12122	2,77037	1,275311788	ENST00000521071	84294	AK055279	UTP23
A_33_P3263503	1,98527	1,6345	1,275241072	N/A	100507399	AY358246	HCG8
A_23_P322043	11,7627	11,412	1,275179198	ENST00000361813	23381	NM_015327	SMG5
A_33_P3276308	6,39802	6,04735	1,275152682	N/A	641737	XR_252152	FLJ44124
A_33_P3408117	3,96432	3,61375	1,275064298	ENST00000478296	100131827	NM_001128223	ZNF717
A_24_P337657	7,53708	7,18652	1,27505546	ENST00000265354	6722	NM_003131	SRF
A_21_P0010592	6,97443	6,62398	1,274958245	ENST00000428504	100288069	NR_033908	LOC100288069
A_21_P0000207	7,90326	7,55286	1,27491406	ENST00000507485	6189	NM_001267699	RPS3A
A_23_P82162	8,1337	7,78331	1,274905223	ENST00000258052	6610	NM_003080	SMPD2
A_22_P00015831	2,22696	1,87661	1,274869875	N/A	N/A	N/A	Inc-TBC1D30-1
A_24_P79153	9,02536	8,67505	1,274834529	ENST00000472442	113178	NM_079834	SCAMP4
A_23_P49975	14,0115	13,6612	1,274825692	ENST00000269576	3858	NM_000421	KRT10
A_23_P200936	9,75241	9,40211	1,274825692	ENST00000470570	4548	NM_000254	MTR
A_21_P0001715	3,89344	3,54325	1,274728495	N/A	N/A	N/A	Inc-GPR137B-1
A_33_P3372376	3,30178	2,9516	1,27471966	N/A	N/A	AK124259	N/A

A_24_P108301	7,86413	7,51399	1,274684317	ENST00000583043	25914	NM_173630	RTTN
A_33_P3362521	9,63871	9,28859	1,274666647	ENST00000611584	51244	NM_016474	CCDC174
A_33_P3331911	6,07044	5,72034	1,274648976	N/A	N/A	N/A	N/A
A_23_P5976	7,69798	7,348	1,274542958	ENST00000372520	90204	NM_080603	ZSWIM1
A_22_P00017738	7,55711	7,20713	1,274542958	N/A	N/A	N/A	Inc-YBEY-1
A_23_P369328	9,50497	9,15508	1,274463451	ENST00000373279	219738	NM_145306	C10orf35
A_33_P3631022	4,22127	3,87143	1,274419282	N/A	100270680	AJ315134	CASC11
A_22_P00016478	2,18477	1,83493	1,274419282	N/A	100506540	NR_038360	SPTY2D1-AS1
A_21_P0002544	2,10167	1,75185	1,274401615	N/A	N/A	N/A	Inc-EPHA4-3
A_33_P3316470	1,8914	1,54159	1,274392781	ENST00000408922	135946	NM_001005281	OR6B1
A_22_P00006602	3,40705	3,05731	1,274330949	N/A	N/A	N/A	Inc-FOS-1
A_23_P82674	10,2431	9,89338	1,274313283	ENST00000497279	2631	NM_001483	GBAS
A_33_P3417502	6,07664	5,72696	1,274277952	ENST00000284523	89780	NM_033131	WNT3A
A_21_P0009361	2,84401	2,49439	1,274224957	N/A	N/A	N/A	Inc-SDK2-5
A_23_P74950	14,8893	14,5397	1,274207293	ENST00000375436	55920	NM_018715	RCC2
A_33_P3221793	5,21631	4,86672	1,274198461	N/A	N/A	N/A	N/A
A_33_P3347622	9,93569	9,58611	1,274189629	ENST00000511449	92597	NM_001244767	MOB1B
A_23_P156708	6,94311	6,59355	1,274171965	ENST00000549232	7148	NM_032470	TNXB
A_21_P0012875	3,79008	3,44056	1,274136638	N/A	N/A	N/A	XLOC_I2_011885
A_22_P00003002	5,68416	5,33478	1,274013001	N/A	N/A	N/A	Inc-C6orf228-2
A_22_P00016780	7,86144	7,51211	1,273968848	N/A	N/A	N/A	Inc-TRIM41-3
A_23_P43150	9,15992	8,81059	1,273968848	ENST00000395571	11244	NM_001017926	ZHX1
A_33_P3235204	6,55992	6,21066	1,273907036	ENST00000486908	84173	NM_032213	ELMOD3
A_22_P00014741	5,30619	4,95704	1,273809909	N/A	148867	XR_246237	SLC30A7
A_22_P00012979	3,4301	3,08097	1,27379225	N/A	N/A	N/A	Inc-RESP18-1
A_23_P146572	13,2522	12,9032	1,273677475	ENST00000371601	56654	NM_015392	NPDC1
A_23_P322008	1,95331	1,60434	1,27365099	ENST00000518632	7201	NM_003301	TRHR
A_23_P259442	10,4688	10,12	1,273500918	ENST00000402744	1363	NM_001873	CPE
A_33_P3250750	6,54948	6,20076	1,273430302	N/A	N/A	CU677518	N/A
A_22_P00015191	5,56941	5,22072	1,273403822	N/A	N/A	N/A	Inc-SOX13-3
A_23_P150549	2,54424	2,19561	1,273350864	ENST00000541699	643834	NM_001079807	PGA3
A_33_P3280451	4,48237	4,13376	1,273333212	N/A	N/A	CU675766	N/A
A_23_P12503	10,9669	10,6183	1,273324386	ENST00000261396	55746	NM_018230	NUP133

A_24_P217572	1,81707	1,46852	1,273280257	ENST00000324300	1909	NM_001957	EDNRA
A_19_P00324359	4,65857	4,31025	1,273077282	N/A	N/A	N/A	Inc-MYC-1
A_23_P160968	11,2108	10,8625	1,273059633	ENST00000493293	3918	NM_018891	LAMC2
A_21_P0010685	3,62859	3,28036	1,272997865	ENST00000429505	N/A	XR_248712	N/A
A_23_P90463	14,477	14,1288	1,272971394	ENST00000591515	51690	NM_016199	LSM7
A_21_P0013136	6,38523	6,03707	1,272936101	ENST00000420601	N/A	N/A	N/A
A_24_P391604	5,99114	5,64301	1,272909631	ENST00000391624	337968	NM_181605	KRTAP6-3
A_21_P0013836	2,05686	1,70874	1,272900808	N/A	N/A	N/A	XLOC_I2_015849
A_22_P00008764	1,87903	1,53092	1,272891985	N/A	N/A	N/A	Inc-KIF13B-2
A_23_P120270	11,459	11,1109	1,272883162	ENST00000409218	90411	NM_139279	MCFD2
A_33_P3406651	3,12422	2,77621	1,272803758	ENST00000358992	342933	NM_001080456	ZSCAN5B
A_33_P3272614	4,41706	4,06919	1,27268025	ENST00000401470	9858	NM_014811	PPP1R26
A_33_P3366246	9,099	8,75113	1,27268025	ENST00000376723	56886	NM_020120	UGGT1
A_22_P00003428	4,29095	3,9431	1,272662607	N/A	102723673	XR_424639	LOC102723673
A_22_P00019419	5,85502	5,50718	1,272653786	ENST00000523317	N/A	AA311918	N/A
A_23_P212545	12,1839	11,8361	1,272618501	ENST00000273047	5868	NM_004162	RAB5A
A_22_P00002545	5,47976	5,13217	1,272433271	N/A	N/A	N/A	Inc-C17orf63-3
A_22_P00013157	4,17788	3,8303	1,272424451	N/A	102724097	NR_123731	TTC39A-AS1
A_23_P127824	7,86619	7,51862	1,272415631	ENST00000381563	7140	NM_001042780	TNNT3
A_23_P127793	9,59177	9,24425	1,272371533	ENST00000533165	256364	NM_153265	EML3
A_22_P00017487	5,87323	5,52582	1,272274524	N/A	N/A	DA798783	Inc-VWA3B-1
A_21_P0010518	4,29599	3,94862	1,272239249	ENST00000481055	11209	NR_027504	MST1P2
A_33_P3286208	7,10983	6,76247	1,272230431	ENST00000318317	122769	NM_203467	LRR1
A_24_P923945	4,75853	4,41121	1,272195157	ENST00000375218	23352	AK022322	UBR4
A_23_P16157	14,7681	14,4208	1,272177521	ENST00000398148	8570	NM_003685	KHSRP
A_33_P3243343	13,9039	13,5566	1,272177521	N/A	N/A	N/A	N/A
A_21_P0012284	5,89776	5,55046	1,272177521	ENST00000416717	N/A	N/A	N/A
A_24_P321068	8,43651	8,08923	1,272159885	ENST00000374212	1317	NM_001859	SLC31A1
A_24_P251841	9,17345	8,82618	1,272151067	ENST00000274031	80854	NM_030648	SETD7
A_33_P3401571	6,26756	5,92033	1,272115796	ENST00000622511	4583	NM_002457	MUC2
A_24_P393838	11,1747	10,8276	1,272001172	ENST00000366607	9804	NM_014765	TOMM20
A_24_P339514	6,98834	6,64126	1,271983539	ENST00000324071	1555	NM_000767	CYP2B6
A_23_P114466	7,1648	6,81779	1,271921823	ENST00000624573	90665	NM_033284	TBL1Y

A_23_P216766	8,68349	8,33658	1,271833663	ENST00000375991	81689	NM_030940	ISCA1
A_32_P92505	11,1316	10,7847	1,271824848	ENST00000379509	253558	NM_182551	LCLAT1
A_23_P159688	6,52739	6,18062	1,27171025	ENST00000376771	4943	NM_002536	TBC1D25
A_23_P101246	7,58997	7,24336	1,27156922	ENST00000600663	147645	NM_001163922	VSIG10L
A_33_P3275235	11,8483	11,5017	1,271560406	ENST00000555528	207	NM_005163	AKT1
A_21_P0005448	3,5677	3,22131	1,27137533	ENST00000454149	N/A	N/A	N/A
A_24_P138361	15,2541	14,9078	1,27129602	ENST00000531120	10480	NM_006360	EIF3M
A_21_P0000950	2,5057	2,15942	1,271278397	ENST00000416696	N/A	N/A	N/A
A_21_P0011466	7,22919	6,88308	1,271128604	ENST00000570151	N/A	N/A	N/A
A_23_P134078	10,7675	10,4214	1,271119794	ENST00000328908	9425	NM_004824	CDYL
A_33_P3415500	12,8459	12,4998	1,271119794	ENST00000620511	7204	XR_241714	TRIO
A_23_P3204	12,7687	12,4228	1,270943591	ENST00000261845	5597	NM_002748	MAPK6
A_21_P0013905	1,94866	1,60293	1,270793838	ENST00000439217	N/A	N/A	N/A
A_33_P3247180	7,99134	7,64576	1,270661718	ENST00000460370	200014	NM_032449	CC2D1B
A_23_P90855	5,10243	4,75686	1,270652911	ENST00000470617	9855	NM_014808	FARP2
A_33_P3245620	8,61431	8,26877	1,270626488	N/A	N/A	N/A	N/A
A_33_P3348362	9,09635	8,75082	1,270617681	N/A	84837	NR_027263	ARHGAP5-AS1
A_23_P4850	3,13751	2,79201	1,27059126	ENST00000439556	90589	NM_145233	ZNF625
A_21_P0003108	2,06084	1,71539	1,270547225	N/A	N/A	N/A	Inc-AZI2-1
A_24_P937790	5,93936	5,594	1,270467967	ENST00000533508	100130274	NM_001162914	CCDC166
A_23_P53646	12,6106	12,2654	1,270327075	ENST00000261182	4673	NM_139207	NAP1L1
A_23_P99762	11,9931	11,6479	1,270327075	ENST00000527449	58517	NM_021239	RBM25
A_21_P0013867	6,21066	5,86546	1,270327075	ENST00000428194	N/A	N/A	N/A
A_21_P0008647	6,87339	6,52835	1,270186199	ENST00000559029	145837	NR_026979	LOC145837
A_19_P00320927	4,01878	3,67377	1,270159787	N/A	100292680	N/A	LINC00942
A_24_P255654	13,773	13,428	1,270150983	ENST00000550578	N/A	N/A	N/A
A_24_P203622	7,43392	7,08899	1,270089356	ENST00000404627	85440	NM_033407	DOCK7
A_33_P3777165	6,07592	5,73102	1,270062945	N/A	152048	BC022164	FLJ31715
A_21_P0005134	3,06588	2,721	1,270045339	ENST00000457339	285735	N/A	LINC00326
A_22_P00004778	4,01112	3,66626	1,270027732	N/A	N/A	BC015826	Inc-CTXN1-1
A_22_P00010428	2,56432	2,21946	1,270027732	ENST00000414065	N/A	N/A	N/A
A_33_P3287084	4,6084	4,26354	1,270027732	N/A	N/A	N/A	N/A
A_22_P00017202	1,94997	1,60517	1,269974914	ENST00000428569	N/A	N/A	N/A



A_24_P162293	6,24214	5,89739	1,269930901	ENST00000440394	23085	NM_178040	ERC1
A_32_P10936	2,31215	1,96742	1,269913296	ENST00000382254	1010	NM_004061	CDH12
A_23_P48676	13,3286	12,9839	1,26988689	ENST00000216392	5836	NM_002863	PYGL
A_33_P3216319	7,47779	7,1331	1,269878087	ENST00000568020	23174	NM_015144	ZCCHC14
A_32_P10396	8,42953	8,08487	1,269851681	ENST00000295888	23001	NM_014991	WDFY3
A_33_P3420426	10,1977	9,85306	1,269834078	N/A	100132724	NR_027642	DCAF13P3
A_33_P3217559	5,65817	5,31359	1,269781268	ENST00000331224	8788	NM_003836	DLK1
A_22_P00013204	3,92041	3,57587	1,269746062	N/A	N/A	AK021576	Inc-RNF219-3
A_33_P3800734	1,85879	1,51426	1,269737261	ENST00000622037	6263	NM_001036	RYR3
A_33_P3222783	9,33436	8,98991	1,269666854	ENST00000371991	6836	NM_001280790	SURF4
A_21_P0005252	7,32087	6,97665	1,269464455	ENST00000470135	340340	N/A	LOC340340
A_21_P0007607	2,52881	2,18462	1,269438057	N/A	N/A	N/A	Inc-RP11-511B23.3.1-3
A_23_P29330	9,38273	9,03857	1,26941166	ENST00000404354	27127	NM_148674	SMC1B
A_22_P00010950	6,10291	5,75875	1,26941166	N/A	N/A	N/A	Inc-NR4A2-1
A_32_P921149	2,00852	1,66437	1,269402862	N/A	100129476	XR_132697	LOC100129476
A_23_P122387	12,0791	11,735	1,269358868	ENST00000372116	55168	NM_018135	MRPS18A
A_33_P3265075	12,4342	12,0901	1,269358868	ENST00000310571	80227	NM_001267803	PAAF1
A_23_P415633	7,70368	7,35963	1,269314876	ENST00000579457	124923	NM_001174103	SGK494
A_23_P212595	6,05921	5,7152	1,269279684	ENST00000504652	9730	NM_014703	VPRBP
A_33_P3224371	10,5867	10,2427	1,269270886	ENST00000443648	10084	NM_001167989	PQBP1
A_33_P3237784	15,0688	14,7248	1,269270886	ENST00000326194	64840	NM_001282167	PORCN
A_33_P3340595	3,12464	2,78067	1,269244493	N/A	N/A	N/A	N/A
A_33_P3340990	8,49856	8,15463	1,269209302	ENST00000300245	64400	NM_001012398	AKTIP
A_21_P0012251	2,7414	2,39749	1,269191707	N/A	N/A	N/A	XLOC_I2_009303
A_24_P230721	9,92651	9,58275	1,269059754	ENST00000558521	84942	NM_032856	WDR73
A_33_P3234168	13,0647	12,721	1,269006976	ENST00000336273	92140	NM_178812	MTDH
A_23_P501634	5,41841	5,07473	1,268989384	ENST00000429381	11120	NM_078476	BTN2A1
A_23_P209689	8,25712	7,91351	1,268927814	ENST00000616279	9475	NM_004850	ROCK2
A_23_P150238	11,0249	10,6813	1,268919018	ENST00000449692	83638	NM_031450	C11orf68
A_23_P161507	3,88762	3,54404	1,268901427	ENST00000255087	9633	NM_004923	MTL5
A_21_P0014607	3,14521	2,8017	1,268839861	N/A	N/A	N/A	N/A
A_24_P472455	10,4768	10,1333	1,268831066	ENST00000298316	382	NM_001663	ARF6
A_33_P3404351	1,99803	1,65455	1,268813477	ENST00000390427	N/A	AB306024	N/A

A_22_P00009427	3,81593	3,47249	1,268778298	N/A	101929713	XR_247064	LOC101929713
A_21_P0014011	4,79844	4,45501	1,268769504	N/A	N/A	XM_005255732	Inc-CCDC64B-1
A_23_P64343	12,7052	12,3618	1,268743121	ENST00000525158	26519	NM_012456	TIMM10
A_33_P3376379	7,11286	6,76949	1,268716738	ENST00000483271	163882	NM_001139459	CNST
A_22_P00004396	3,9945	3,65125	1,268611214	N/A	N/A	DB514891	Inc-COLQ-1
A_24_P321125	2,1249	1,78172	1,268549662	ENST00000298124	474354	NM_001006939	LRRC18
A_21_P0000357	5,80822	5,4651	1,268496906	N/A	677828	NR_003014	SNORA47
A_23_P160862	13,2798	12,9367	1,268479321	ENST00000554987	3192	NM_031844	HNRNPU
A_21_P0011148	8,1538	7,81072	1,268461736	ENST00000400311	N/A	N/A	N/A
A_22_P00019960	8,64716	8,30411	1,268435359	N/A	N/A	N/A	Inc-CALML6-1
A_23_P163580	5,77265	5,42966	1,268382608	ENST00000564128	80152	NM_025082	CENPT
A_24_P943781	2,79896	2,45598	1,268373816	ENST00000310396	79974	NM_024913	CPED1
A_24_P388570	9,73891	9,39596	1,268347441	ENST00000514314	84864	NM_032778	MINA
A_22_P00023041	2,60495	2,26205	1,268303484	N/A	N/A	N/A	Inc-ZBTB2-3
A_19_P00811348	4,52838	4,18554	1,268250738	N/A	N/A	AF400485	Inc-SNURF-1
A_23_P115519	4,03645	3,69363	1,268233156	ENST00000368787	84648	NM_032563	LCE3D
A_33_P3286372	4,46142	4,11862	1,268215575	ENST00000381786	348738	NM_182626	C2orf48
A_23_P13524	12,2188	11,876	1,268215575	ENST00000528531	84233	NM_032273	TMEM126A
A_23_P74359	11,9071	11,5644	1,268127672	ENST00000340006	1465	NM_004078	CSRP1
A_23_P130585	4,7891	4,44642	1,268110092	ENST00000597251	117286	NM_054113	CIB3
A_33_P3313940	3,66833	3,32567	1,268092513	ENST00000450729	N/A	N/A	N/A
A_21_P0011135	15,2	14,8574	1,268039775	ENST00000421800	1973	NM_001416	EIF4A1
A_23_P31798	3,35947	3,01687	1,268039775	ENST00000286479	10	NM_000015	NAT2
A_23_P317800	11,757	11,4144	1,268039775	ENST00000510092	29945	NM_013367	ANAPC4
A_22_P00014749	4,28298	3,94042	1,268004618	N/A	101928861	NR_120513	LOC101928861
A_22_P00016364	2,73587	2,39332	1,267995829	N/A	N/A	N/A	Inc-TMEM18-1
A_32_P100683	7,387	7,04447	1,267978251	ENST00000612946	23331	NM_001145418	TTC28
A_22_P00020960	5,70394	5,36152	1,267881576	ENST00000425048	N/A	N/A	N/A
A_22_P00012502	3,90079	3,55837	1,267881576	N/A	N/A	N/A	Inc-PSD4-1
A_23_P75978	10,5433	10,2009	1,267864	ENST00000535477	81570	NM_030813	CLPB
A_21_P0013320	8,98657	8,6442	1,267837636	N/A	N/A	N/A	XLOC_I2_013873
A_24_P49214	8,28005	7,93772	1,267802484	ENST00000428120	199990	NM_001282671	C1orf86
A_33_P3253574	3,88182	3,53952	1,267776121	ENST00000354597	390271	NM_001005467	OR8B3

A_23_P80062	10,3493	10,007	1,267776121	ENST00000252996	6874	NM_003185	TAF4
A_24_P127719	8,14883	7,80653	1,267776121	ENST00000333480	389692	NM_201589	MAFA
A_33_P3237719	4,95407	4,61178	1,267767334	N/A	N/A	N/A	N/A
A_32_P34876	6,61295	6,27077	1,267670675	ENST00000444934	56964	NM_020212	WDR93
A_23_P215435	6,48552	6,14357	1,267468594	ENST00000395270	9883	NM_001257190	POM121
A_22_P00007867	3,93044	3,58849	1,267468594	N/A	N/A	N/A	Inc-HS3ST3A1-4
A_19_P00803850	5,85921	5,51729	1,267442238	ENST00000587904	100505474	NR_040025	LINC01539
A_23_P53736	12,5143	12,1724	1,267424668	ENST00000427718	23014	NM_033624	FBXO21
A_23_P143303	11,0585	10,7166	1,267424668	ENST00000380445	64601	NM_022575	VPS16
A_22_P00014542	6,14278	5,80089	1,267415883	ENST00000443870	N/A	AK055335	N/A
A_21_P0001418	5,77077	5,42891	1,267389528	N/A	N/A	N/A	Inc-ATF3-1
A_23_P105833	8,8369	8,49505	1,267380743	ENST00000257336	54841	NM_017693	BIVM
A_33_P3281308	3,18484	2,84305	1,267328035	ENST00000427391	286467	NR_026975	FIRRE
A_33_P3270639	4,1569	3,81526	1,267196275	N/A	N/A	N/A	N/A
A_24_P18917	5,07875	4,7372	1,267117226	ENST00000545827	64788	NM_022773	LMF1
A_23_P81280	1,95654	1,61501	1,26709966	ENST00000376841	153579	NM_152547	BTNL9
A_24_P347704	10,1938	9,85231	1,267064529	ENST00000264010	10664	NM_006565	CTCF
A_32_P29784	15,1453	14,8039	1,266985488	ENST00000330188	7170	NM_001043352	TPM3
A_24_P696470	5,33211	4,99074	1,266959142	ENST00000566478	399671	NM_203309	HEATR4
A_33_P3222210	10,2321	9,89074	1,26695036	ENST00000503096	81926	NM_001130111	ABHD17A
A_21_P0011074	5,06733	4,72597	1,26695036	N/A	N/A	N/A	XLOC_I2_003253
A_33_P3376463	6,93732	6,59601	1,266906452	ENST00000475707	7182	BC051670	NR2C2
A_21_P0013267	7,60653	7,26523	1,26689767	ENST00000605862	729218	NR_109983	LOC729218
A_33_P3256677	10,7421	10,4009	1,266809859	ENST00000565945	112869	NM_138414	CCDC101
A_23_P50000	10,8256	10,4844	1,266809859	ENST00000570699	79850	NM_024792	FAM57A
A_33_P3308862	6,46343	6,12227	1,266774736	ENST00000620936	729262	NM_001278495	NUTM2B
A_33_P3323463	6,64768	6,30671	1,266607915	ENST00000532091	N/A	N/A	N/A
A_23_P203305	10,1207	9,77978	1,266564019	ENST00000278200	196294	XR_429208	IMMP1L
A_23_P212050	6,98253	6,64163	1,26654646	ENST00000482958	590	NM_000055	BCHE
A_23_P131596	8,61589	8,27505	1,266493787	ENST00000258083	84279	NM_032319	PRADC1
A_24_P350744	7,32492	6,98416	1,26642356	ENST00000466713	22889	NM_014949	KIAA0907
A_33_P3365755	4,36681	4,0261	1,26637967	ENST00000367267	127833	NM_001136504	SYT2
A_21_P0007813	2,17532	1,83474	1,266265563	N/A	N/A	N/A	Inc-POLE-3

A_33_P3411313	2,52444	2,18389	1,266239232	ENST00000408897	N/A	XM_003959967	N/A
A_23_P145134	8,53522	8,19485	1,266081257	ENST00000349556	11116	NM_007045	FGFR1OP
A_21_P0000498	5,7152	5,37491	1,266011053	ENST00000448136	677850	NR_004397	SNORD1C
A_22_P00015783	2,04349	1,70334	1,265888204	ENST00000538783	N/A	AL037786	N/A
A_22_P00005559	4,56542	4,22528	1,26587943	N/A	N/A	BG429116	Inc-EEF1B2-3
A_23_P378416	3,45672	3,11661	1,265853107	ENST00000356942	2824	NM_001001996	GPM6B
A_19_P00316202	7,3253	6,9852	1,265844333	N/A	N/A	BC128221	Inc-TP53INP1-1
A_33_P3360675	9,81177	9,47174	1,265782915	ENST00000430040	5575	NM_001164761	PRKAR1B
A_22_P00017379	6,7747	6,43471	1,26574782	N/A	N/A	DA940890	Inc-UVRAG-2
A_33_P3418055	4,65559	4,31566	1,265695181	ENST00000616224	9310	NM_004234	ZNF235
A_33_P3353520	4,68409	4,34418	1,265677634	ENST00000601382	646862	NM_001195135	RNF225
A_23_P359738	10,5928	10,2529	1,265668861	ENST00000258484	26122	NM_015630	EPC2
A_23_P145068	10,7711	10,4312	1,265668861	ENST00000370305	25821	NM_012123	MTO1
A_24_P633349	6,59917	6,25932	1,265624997	N/A	N/A	AK056973	Inc-ITGAL-2
A_33_P3862354	8,52032	8,18059	1,26551973	ENST00000472677	80305	NM_025204	TRABD
A_24_P212819	12,5196	12,1799	1,265493415	N/A	N/A	AK057884	N/A
A_33_P3322415	7,13432	6,79469	1,265432014	ENST00000622871	57787	NM_031417	MARK4
A_23_P56673	7,55404	7,21451	1,265344304	ENST00000471577	83444	NM_031288	INO80B
A_19_P00803019	7,31145	6,97195	1,265317992	ENST00000552334	N/A	AK096584	N/A
A_21_P0001065	2,02999	1,69049	1,265317992	ENST00000421147	N/A	N/A	N/A
A_23_P395075	7,70228	7,3628	1,265300451	ENST00000542128	55818	NM_018433	KDM3A
A_22_P00012154	4,07993	3,74045	1,265300451	ENST00000438185	N/A	N/A	N/A
A_33_P3372217	1,96904	1,62956	1,265300451	ENST00000401992	5673	BG354573	PSG5
A_23_P140154	9,43883	9,09935	1,265300451	ENST00000622205	26175	NM_001098621	TMEM251
A_23_P77502	9,65051	9,31107	1,26526537	ENST00000262304	5310	NM_001009944	PKD1
A_33_P3339187	2,14233	1,80291	1,26524783	ENST00000623702	100506650	NM_001243552	C17orf112
A_24_P497226	9,20094	8,86152	1,26524783	ENST00000393021	6198	NM_003161	RPS6KB1
A_21_P0006744	1,98897	1,6496	1,265203981	ENST00000414308	N/A	N/A	N/A
A_33_P3242323	3,61582	3,27653	1,265133825	ENST00000366674	27097	N/A	TAF5L
A_22_P00002690	2,37762	2,03838	1,265089979	ENST00000423403	101926964	NR_110628	LOC101926964
A_21_P0001317	4,42858	4,08936	1,265072442	N/A	102724572	XR_425155	LOC102724572
A_23_P380371	4,70889	4,36979	1,26496722	ENST00000373935	253430	NM_152230	IPMK
A_23_P112652	10,9513	10,6122	1,26496722	ENST00000331889	25904	NM_015442	CNOT10

A_33_P3393836	11,3976	11,0585	1,26496722	ENST00000409467	51251	NM_001166118	NT5C3A
A_33_P3350748	18,0107	17,6716	1,26496722	ENST00000331817	3855	NM_005556	KRT7
A_33_P3233010	9,33118	8,99218	1,264879542	ENST00000612483	3812	NM_001242867	KIR3DL2
A_33_P3252834	12,4511	12,1121	1,264879542	ENST00000367309	23612	NM_012396	PHLDA3
A_23_P110005	9,34039	9,00141	1,264862008	ENST00000423832	84276	NM_032316	NICN1
A_22_P00001111	2,13816	1,79925	1,264800638	N/A	N/A	BX486423	Inc-ALKBH4-2
A_33_P3405444	13,5858	13,2469	1,264791871	ENST00000223023	8976	NM_003941	WASL
A_22_P00006547	11,2283	10,8894	1,264791871	N/A	N/A	N/A	Inc-FKBP2-1
A_33_P3392325	13,4919	13,153	1,264791871	ENST00000360383	8881	NM_001078645	CDC16
A_24_P346587	9,3896	9,05076	1,264739271	ENST00000262146	9650	NM_014637	MTFR1
A_33_P3319953	3,78131	3,44249	1,264721738	N/A	N/A	N/A	N/A
A_33_P3369706	4,16371	3,82498	1,264642843	ENST00000512115	102577424	NR_108030	LINC01574
A_32_P194962	8,31406	7,97533	1,264642843	N/A	N/A	BE300169	N/A
A_21_P0004831	2,08585	1,74713	1,264634077	N/A	102724234	XR_425966	LOC102724234
A_24_P244100	10,1293	9,79061	1,26460778	ENST00000444643	54788	NM_001002762	DNAJB12
A_24_P115424	1,91177	1,57317	1,264528892	ENST00000398462	10407	NM_016512	SPAG11B
A_32_P216602	10,61	10,2715	1,264441244	N/A	N/A	DB229023	Inc-NAV1-3
A_23_P46606	10,824	10,4855	1,264441244	ENST00000366997	9926	NM_014873	LPGAT1
A_33_P3319886	4,96727	4,6288	1,264414951	ENST00000601292	374877	NM_198534	C19orf45
A_22_P00009118	2,6956	2,35716	1,264388659	ENST00000567803	N/A	DB051691	N/A
A_33_P3319134	5,57015	5,2318	1,264309785	N/A	100506191	AF289610	LOC100506191
A_21_P0011326	7,32689	6,98861	1,264248442	N/A	N/A	N/A	XLOC_I2_004706
A_23_P259611	4,09095	3,75269	1,264230915	ENST00000476435	51314	NM_016616	NME8
A_22_P00022539	2,13047	1,79224	1,264204627	ENST00000547552	N/A	DB087247	N/A
A_21_P0005357	2,23182	1,8936	1,264195864	N/A	N/A	N/A	Inc-AHR-2
A_22_P00025220	2,40607	2,06799	1,264073192	N/A	N/A	N/A	Inc-PLEKHA2-1
A_22_P00010274	3,73206	3,394	1,264055668	ENST00000565199	N/A	N/A	N/A
A_32_P75094	10,8877	10,5497	1,264003098	ENST00000307864	84883	NM_032797	AIFM2
A_33_P3389148	11,2689	10,931	1,263915487	ENST00000586243	6794	NM_000455	STK11
A_22_P00021313	5,50768	5,16983	1,263871684	N/A	N/A	AY358191	Inc-AC118344.1-1
A_24_P356509	6,07747	5,73965	1,263845403	ENST00000345365	5892	NM_001142571	RAD51D
A_33_P3404739	7,7767	7,43898	1,263757803	N/A	135398	XM_005248851	C6orf141
A_23_P111672	11,1399	10,8022	1,263740284	ENST00000358204	26136	NM_152829	TES

A_22_P00020023	10,4721	10,1344	1,263740284	ENST00000563086	57546	NM_020786	PDP2
A_21_P0007384	2,74267	2,40508	1,263643932	N/A	N/A	N/A	Inc-SESN3-1
A_23_P217054	10,3655	10,028	1,263565104	ENST00000478453	79269	NM_024345	DCAF10
A_24_P85881	3,01395	2,67646	1,263556346	ENST00000447444	165082	NM_153835	GPR113
A_33_P3324909	8,84705	8,50965	1,263477524	ENST00000252818	3727	NM_001286968	JUND
A_24_P31421	5,92395	5,58657	1,263460008	ENST00000614245	29998	NM_015711	GLTSCR1
A_23_P51646	12,679	12,3417	1,263389949	ENST00000372201	1263	NM_004073	PLK3
A_33_P3297297	2,38901	2,05171	1,263389949	N/A	N/A	N/A	N/A
A_33_P3310780	14,8362	14,4989	1,263389949	ENST00000301843	2017	NM_005231	CTTN
A_33_P7699408	8,02807	7,69079	1,263372435	ENST00000438428	101928973	NR_125966	LOC101928973
A_33_P3281250	2,63556	2,29843	1,263241086	ENST00000547918	N/A	AK302432	N/A
A_23_P159382	9,51811	9,18099	1,26323233	ENST00000505134	9871	NM_014822	SEC24D
A_32_P4403	11,8297	11,4926	1,263214818	ENST00000327827	29035	NM_014117	C16orf72
A_21_P0003244	7,07451	6,73743	1,263197306	N/A	N/A	N/A	Inc-EPHA6-1
A_21_P0002876	6,38612	6,04913	1,263118507	N/A	N/A	N/A	Inc-RP11-723O4.6.1-1
A_24_P145009	6,14945	5,81246	1,263118507	N/A	441208	NR_003502	ZNRF2P1
A_33_P3333642	9,79922	9,46227	1,263083486	ENST00000399003	N/A	AK131315	N/A
A_21_P0011743	8,89289	8,55598	1,263048466	ENST00000438368	100506930	N/A	LINC00665
A_22_P00022734	1,74702	1,41014	1,263022202	N/A	N/A	N/A	Inc-CTD-2054N24.2.1-1
A_24_P648176	6,95967	6,6228	1,263013448	ENST00000556351	144363	NM_001001660	LYRM5
A_21_P0006572	5,40307	5,06621	1,263004693	N/A	101928359	XR_244532	LOC101928359
A_33_P3307495	9,32771	8,99087	1,262987184	ENST00000574439	64220	NM_001199042	STRA6
A_33_P3315190	7,99732	7,66049	1,26297843	ENST00000379612	9645	NM_001282666	MICAL2
A_33_P3286422	7,96629	7,62968	1,26278585	ENST00000566889	2175	NM_001018112	FANCA
A_23_P336554	9,34842	9,01189	1,262715828	ENST00000422485	3556	NM_134470	IL1RAP
A_33_P3225327	8,13915	7,80272	1,262628307	ENST00000619199	79572	NM_024524	ATP13A3
A_33_P3249674	1,7412	1,40483	1,262575796	N/A	N/A	BC027978	Inc-TOMM7-1
A_22_P00023617	5,57758	5,24123	1,262558294	N/A	101929769	XR_246052	LINC01063
A_21_P0002823	6,09594	5,7596	1,262549542	ENST00000438488	103344926	N/A	LINC0002
A_23_P321201	9,06205	8,72572	1,262540791	ENST00000529977	23258	NM_015213	DENND5A
A_33_P3363082	6,87019	6,53388	1,262523288	N/A	677775	NR_003008	SCARNA5
A_33_P3295550	2,09279	1,75656	1,262453281	ENST00000373644	80312	NM_030625	TET1
A_22_P00001620	4,83701	4,50085	1,262392028	N/A	101928809	NR_125906	LOC101928809

A_23_P143120	9,12797	8,79181	1,262392028	ENST00000310823	6868	NM_003183	ADAM17
A_33_P3300877	5,7386	5,40244	1,262392028	N/A	N/A	N/A	N/A
A_22_P00004877	2,46161	2,12546	1,262383278	N/A	N/A	AK125723	Inc-CYR61-3
A_23_P381577	5,14133	4,80527	1,262304529	ENST00000302609	219749	NM_145011	ZNF25
A_21_P0014421	6,30671	5,97065	1,262304529	ENST00000480319	N/A	N/A	N/A
A_23_P72584	6,83219	6,49615	1,26228703	ENST00000448477	414149	NM_001039844	ACBD7
A_23_P318396	9,02753	8,6916	1,262190789	ENST00000310513	10658	NM_198700	CELF1
A_33_P3225268	8,80655	8,47062	1,262190789	ENST00000367602	5768	NM_001004128	QSOX1
A_23_P101461	12,6026	12,2667	1,262164543	ENST00000593174	81576	NM_030818	CCDC130
A_21_P0002691	4,03527	3,69946	1,262085807	N/A	N/A	N/A	Inc-KLF7-1
A_33_P3405728	10,5058	10,17	1,262077059	ENST00000340811	5318	NM_004572	PKP2
A_33_P3357843	8,47528	8,13953	1,262033319	ENST00000381431	6443	NM_000232	SGCB
A_19_P00320846	6,75943	6,42371	1,262007076	N/A	550112	NR_015439	UBA6-AS1
A_33_P3212630	3,88885	3,55315	1,261989581	ENST00000510875	55138	NM_018088	FAM90A1
A_22_P00020428	5,63798	5,30248	1,261814645	ENST00000580347	N/A	DB027098	N/A
A_23_P141992	6,14408	5,8086	1,261797152	ENST00000581773	374875	NM_198706	HSD11B1L
A_33_P3362770	9,423	9,08755	1,261770914	ENST00000566038	54700	NM_001301064	RRN3
A_33_P3391536	7,1192	6,78378	1,261744677	N/A	N/A	N/A	N/A
A_22_P00002867	3,89009	3,55468	1,261735931	N/A	N/A	N/A	Inc-C3orf71-1
A_22_P00006738	4,87882	4,54353	1,261630987	ENST00000528119	N/A	N/A	N/A
A_22_P00011363	3,88707	3,55184	1,261578519	N/A	100134015	NR_038395	UBOX5-AS1
A_22_P00022747	5,11167	4,77644	1,261578519	N/A	N/A	N/A	Inc-MTERF-1
A_21_P0006675	8,01222	7,6771	1,261482332	ENST00000442526	N/A	N/A	N/A
A_23_P215819	12,0559	11,7208	1,261464844	ENST00000416144	79027	NM_024061	ZNF655
A_23_P149281	11,5672	11,2321	1,261464844	ENST00000611929	1969	NM_004431	EPHA2
A_33_P3246148	1,87652	1,54143	1,2614561	ENST00000377171	N/A	N/A	N/A
A_21_P0001908	4,0842	3,74913	1,261438613	ENST00000445332	N/A	N/A	N/A
A_33_P3242965	8,1497	7,81468	1,261394895	ENST00000378785	219293	NM_001039211	ATAD3C
A_23_P339954	15,0832	14,7482	1,261377409	ENST00000435324	100507607	NM_001287251	NPIP89
A_33_P3354965	3,97594	3,64096	1,261359923	ENST00000330233	1396	AB527908	CRIP1
A_24_P175612	7,62517	7,29025	1,261307465	ENST00000459894	118980	NM_178858	SFXN2
A_24_P916656	8,13265	7,79774	1,261298722	ENST00000395326	27297	NM_014478	CRCP
A_24_P84008	10,4252	10,0903	1,26128998	ENST00000594613	N/A	AI198876	N/A

A_22_P00010628	7,19718	6,86233	1,261246268	N/A	N/A	N/A	Inc-NDUFS8-1
A_23_P34018	17,4194	17,0847	1,26111514	ENST00000468844	6170	NM_001000	RPL39
A_23_P141636	14,7712	14,4366	1,261027729	ENST00000576573	9775	NM_014740	EIF4A3
A_32_P204676	12,1185	11,7839	1,261027729	ENST00000486269	2171	NM_001444	FABP5
A_33_P3404701	8,85916	8,52458	1,261010248	ENST00000554293	6400	NM_005065	SEL1L
A_21_P0002743	3,53711	3,20258	1,260966545	ENST00000492683	N/A	N/A	N/A
A_22_P00022872	2,10931	1,77485	1,260905364	N/A	101927188	NR_126040	LOC101927188
A_33_P3222307	6,73394	6,39961	1,26079175	N/A	100129380	AK125520	LOC100129380
A_33_P3334826	5,05075	4,71646	1,260756794	ENST00000551907	100335030	NR_033267	LOC100335030
A_22_P00013596	2,51328	2,17903	1,260721839	ENST00000552584	102724933	NR_120492	LOC102724933
A_33_P3538279	9,37312	9,03892	1,260678147	N/A	114224	XR_158845	PRO2852
A_21_P0006521	6,48615	6,15195	1,260678147	N/A	101928092	XR_247293	LOC101928092
A_22_P00011770	3,80601	3,47188	1,26061698	N/A	N/A	N/A	Inc-PFKP-13
A_23_P2203	8,77715	8,44304	1,260599504	ENST00000537305	51347	NM_016281	TAOK3
A_33_P3350643	5,97065	5,63657	1,260573291	ENST00000355497	4010	NM_001174146	LMX1B
A_22_P00011370	4,11195	3,77791	1,260538341	ENST00000328963	5027	AF086044	P2RX7
A_33_P3356255	7,27601	6,94204	1,26047718	ENST00000447489	311	N/A	ANXA11
A_22_P00013643	2,80941	2,47545	1,260468443	N/A	101928785	XR_245261	LOC101928785
A_23_P107644	14,7953	14,4614	1,260416023	ENST00000300413	6632	NM_006938	SNRPD1
A_33_P3250857	4,4098	4,07593	1,260389814	ENST00000474863	64853	BC043142	AIDA
A_22_P00015081	6,71034	6,37653	1,260337397	N/A	N/A	AF400491	Inc-SNURF-3
A_22_P00025104	5,81741	5,4836	1,260337397	ENST00000434792	101927472	NR_120622	LOC101927472
A_22_P00025953	4,77866	4,44492	1,260276246	N/A	N/A	N/A	Inc-MSMP-1
A_21_P0000319	4,25084	3,91712	1,260258775	ENST00000467544	677812	NR_002965	SNORA29
A_23_P398943	1,9709	1,63722	1,260223834	ENST00000614838	90011	NR_026716	KIR3DX1
A_33_P3252141	11,0449	10,7113	1,260153954	ENST00000299608	54495	NM_019022	TMX3
A_22_P00007165	3,41207	3,07858	1,260057876	N/A	101927598	XR_245762	LOC101927598
A_23_P36513	10,5279	10,1945	1,259979272	ENST00000546531	5571	NM_001206710	PRKAG1
A_21_P0002294	7,58496	7,25157	1,259970538	ENST00000590687	7771	N/A	ZNF112
A_23_P80382	9,73448	9,4011	1,259961805	ENST00000432916	55615	NM_015366	PRR5
A_23_P38567	10,0335	9,70013	1,259953072	ENST00000395525	92521	NM_152904	SPECC1
A_33_P3387429	3,06623	2,73286	1,259953072	N/A	N/A	N/A	N/A
A_22_P00023931	6,79173	6,45839	1,259926872	N/A	N/A	N/A	Inc-MKL1-1



A_24_P186124	9,62541	9,2921	1,259900673	ENST00000391980	130916	NM_182501	MTERF4
A_33_P3361925	4,95677	4,62352	1,259848276	ENST00000615775	23133	NM_001184898	PHF8
A_22_P00014697	12,5515	12,2183	1,259804614	ENST00000616577	7178	NM_001286272	TPT1
A_24_P928901	9,47633	9,14319	1,259752221	ENST00000374212	1317	NM_001859	SLC31A1
A_33_P3217804	5,462	5,12888	1,259734757	ENST00000493088	157922	N/A	CAMSAP1
A_32_P69368	2,12124	1,78817	1,259691099	ENST00000396290	3398	NM_002166	ID2
A_22_P00024534	4,7535	4,42045	1,259673636	N/A	N/A	N/A	Inc-UBB-2
A_23_P109470	9,26886	8,93591	1,259586325	ENST00000484924	8563	NM_001002878	THOC5
A_33_P3283231	7,98532	7,6526	1,259385533	ENST00000429584	404281	NM_206923	YY2
A_23_P390190	10,9137	10,581	1,259368074	ENST00000381736	9818	NM_014089	NUPL1
A_21_P0007929	5,13344	4,80084	1,259280785	N/A	N/A	N/A	Inc-RP11-90M5.1.1-2
A_22_P00004791	4,00538	3,67278	1,259280785	ENST00000437014	N/A	N/A	N/A
A_23_P17382	9,94122	9,60877	1,259149862	ENST00000322927	63925	NM_022095	ZNF335
A_23_P90223	7,88254	7,5502	1,25905386	ENST00000392157	92285	NM_152279	ZNF585B
A_21_P0001837	8,38172	8,04945	1,258992772	ENST00000423925	N/A	N/A	N/A
A_22_P00004713	7,35986	7,02765	1,258940413	ENST00000546580	100506844	NR_038269	LOC100506844
A_24_P915692	12,4296	12,0974	1,258931686	ENST00000266671	22822	NM_007350	PHLDA1
A_21_P0013670	6,72223	6,39012	1,258853153	N/A	N/A	N/A	XLOC_I2_015295
A_32_P81357	11,4465	11,1144	1,258844427	ENST00000427863	51011	NM_016044	FAHD2A
A_23_P89455	11,5687	11,2366	1,258844427	ENST00000502268	10237	NM_005827	SLC35B1
A_33_P3222703	7,55122	7,21919	1,258783349	ENST00000334075	10168	NM_001024855	ZNF197
A_22_P00006815	2,04714	1,71513	1,258765899	N/A	N/A	AF086092	Inc-GABRA2-1
A_21_P0000639	5,73803	5,40607	1,258722274	N/A	100288123	NR_034114	LOC100288123
A_24_P341222	11,088	10,7561	1,258669926	ENST00000522137	389203	NM_001145432	SMIM20
A_33_P3373985	9,81909	9,48721	1,258652477	ENST00000414130	N/A	N/A	N/A
A_33_P3387115	6,37063	6,03881	1,258600133	N/A	N/A	BC021693	N/A
A_22_P00008423	4,45936	4,1276	1,25854779	N/A	N/A	N/A	Inc-JUN-6
A_23_P345118	11,4828	11,1511	1,25849545	ENST00000373509	5292	NM_002648	PIM1
A_24_P65098	6,37985	6,04838	1,258294831	ENST00000307216	25963	NM_001110503	TMEM87A
A_33_P3229032	2,99875	2,66728	1,258294831	ENST00000250340	6320	NM_002975	CLEC11A
A_33_P3263867	4,00276	3,67153	1,258085525	ENST00000261826	5027	NM_002562	P2RX7
A_22_P00012316	2,0734	1,74219	1,258068084	N/A	N/A	N/A	Inc-PPP6R2-1
A_24_P283320	11,0598	10,7287	1,257972165	ENST00000367378	5110	NM_005389	PCMT1

A_23_P46755	2,33897	2,0079	1,257946006	ENST00000581492	2658	NM_016204	GDF2
A_24_P231173	7,17813	6,84708	1,257928568	ENST00000275732	64599	NM_022574	GIGYF1
A_22_P00018004	6,15405	5,82308	1,257858815	ENST00000451691	100289333	NR_104179	LOC100289333
A_21_P0008181	2,02748	1,69655	1,25782394	N/A	N/A	N/A	Inc-KCTD12-1
A_22_P00006962	3,09443	2,7635	1,25782394	ENST00000567865	N/A	AY353059	N/A
A_22_P00018457	5,97909	5,64817	1,257815222	N/A	N/A	N/A	Inc-CCDC51-1
A_33_P3412847	6,54296	6,21204	1,257815222	N/A	101927904	XR_242707	LOC101927904
A_23_P103864	7,03026	6,69945	1,257719322	ENST00000366661	79573	NM_024525	TTC13
A_21_P0011132	2,04804	1,71723	1,257719322	N/A	N/A	N/A	XLOC_I2_003647
A_33_P3276758	4,88427	4,5535	1,257684451	N/A	N/A	N/A	N/A
A_23_P370479	1,89312	1,56239	1,257649581	ENST00000375749	23509	NM_015352	POFUT1
A_23_P94118	11,0028	10,6721	1,257623429	ENST00000355904	2961	NM_002095	GTF2E2
A_24_P298360	11,7688	11,4381	1,257623429	ENST00000528516	4054	NM_021070	LTBP3
A_21_P0004199	3,98476	3,65422	1,257483962	N/A	N/A	N/A	Inc-NDUFS6-8
A_22_P00001173	6,42247	6,09195	1,25746653	ENST00000554058	100506603	NR_104184	LOC100506603
A_23_P431789	13,4405	13,11	1,257449098	ENST00000486310	378	NM_001660	ARF4
A_24_P171983	10,9462	10,6157	1,257449098	ENST00000489477	29078	NM_014165	NDUF4F4
A_33_P3490794	3,89041	3,56	1,257370656	ENST00000556053	145820	NR_027132	LINC00924
A_22_P00019362	3,1172	2,7868	1,257361941	N/A	N/A	N/A	Inc-NUP188-1
A_33_P3344332	15,25	14,9197	1,25727479	ENST00000468844	6170	NM_001000	RPL39
A_21_P0011612	2,24305	1,91275	1,25727479	ENST00000389840	8632	N/A	DNAH17
A_33_P3310172	1,90938	1,57916	1,257205074	ENST00000403963	1607	NM_145695	DGKB
A_22_P00014003	3,19632	2,8661	1,257205074	N/A	N/A	N/A	Inc-RUNX2-2
A_33_P3266010	13,3645	13,0344	1,257100507	ENST00000311320	9610	NM_004292	RIN1
A_21_P0008603	2,03732	1,70739	1,256952385	N/A	N/A	N/A	Inc-GABRA5-4
A_33_P3401556	1,91903	1,58917	1,256891399	ENST00000302823	1493	NM_005214	CTLA4
A_33_P3395014	4,59836	4,26868	1,256734591	ENST00000417074	55289	BC131514	ACOXL
A_22_P00009424	5,14159	4,81196	1,256691037	ENST00000565668	N/A	BC039537	N/A
A_23_P416751	4,73278	4,40317	1,256673615	ENST00000327920	162963	NM_173530	ZNF610
A_33_P3256810	2,22463	1,89503	1,256664905	ENST00000463068	7104	NM_004617	TM4SF4
A_23_P424316	10,1329	9,8033	1,256664905	ENST00000359486	6942	NM_005650	TCF20
A_21_P0011364	9,75807	9,42854	1,256603932	ENST00000454486	100288615	NR_036650	WHAMMP1
A_33_P3438201	4,67486	4,34538	1,256560383	N/A	N/A	N/A	N/A

A_33_P3291636	7,11983	6,79037	1,256542963	ENST00000405993	7625	NM_003426	ZNF74
A_22_P00025071	2,27406	1,94463	1,256516834	N/A	N/A	N/A	Inc-C7orf11-6
A_22_P00013619	2,14158	1,81218	1,256490706	N/A	N/A	AK125860	Inc-RP11-582J16.5.1-4
A_33_P3228315	6,92788	6,59849	1,256481997	ENST00000573754	79092	NM_052819	CARD14
A_24_P631848	5,87654	5,54718	1,256455869	ENST00000451828	N/A	BC036435	N/A
A_21_P0010867	6,66297	6,33363	1,256438451	ENST00000435805	100129482	N/A	ZNF37BP
A_22_P00021840	4,47534	4,14601	1,256429742	ENST00000505575	N/A	N/A	N/A
A_22_P00004164	4,77502	4,44572	1,256403616	N/A	N/A	N/A	Inc-CLEC3A-4
A_23_P205959	15,5477	15,2184	1,256403616	ENST00000329841	220	NM_000693	ALDH1A3
A_24_P237613	6,44428	6,11504	1,256351364	ENST00000282344	219333	NM_182488	USP12
A_22_P00023870	5,21598	4,88675	1,256342656	N/A	N/A	CD674525	Inc-CARHSP1-1
A_33_P3375496	5,79805	5,46884	1,25632524	N/A	N/A	N/A	N/A
A_23_P70733	6,26349	5,93431	1,256299115	ENST00000367931	9287	NM_001033080	TAAR2
A_23_P27404	8,42022	8,09104	1,256299115	ENST00000594295	284371	NM_001136499	ZNF841
A_22_P00002476	5,04538	4,71627	1,256238161	ENST00000558255	N/A	BX088900	N/A
A_23_P371239	11,1641	10,835	1,256229453	ENST00000539778	80790	NM_198390	CMIP
A_22_P00003135	5,38078	5,05178	1,256142381	N/A	N/A	N/A	Inc-C9orf147-1
A_32_P34138	6,70742	6,37844	1,256124967	ENST00000343959	643161	NM_001146157	FAM25A
A_33_P6820294	7,3439	7,01493	1,256116261	N/A	728730	NR_037875	LOC728730
A_33_P3247659	7,66126	7,33237	1,256046609	ENST00000307216	25963	NM_001110503	TMEM87A
A_21_P0002272	3,26394	2,93505	1,256046609	N/A	N/A	N/A	Inc-IL37-1
A_33_P3318377	6,16279	5,83391	1,256037903	N/A	N/A	N/A	N/A
A_23_P361469	9,94261	9,61379	1,255985666	ENST00000598878	131965	NM_152396	METTL6
A_33_P3380797	4,97669	4,64788	1,255976961	N/A	2248	NM_005247	FGF3
A_32_P75792	6,34876	6,02004	1,255898611	ENST00000330388	388581	NM_001014980	FAM132A
A_22_P00004712	7,73688	7,40816	1,255898611	ENST00000551421	100506844	NR_038269	LOC100506844
A_23_P5903	7,08082	6,75212	1,255881201	ENST00000466961	28231	NM_016354	SLCO4A1
A_22_P00015003	5,57265	5,24395	1,255881201	N/A	N/A	N/A	Inc-SMND1-3
A_23_P38015	14,6078	14,2791	1,255881201	ENST00000543786	64319	NM_001105079	FBRS
A_33_P3303940	10,5528	10,2242	1,255794153	ENST00000330045	79184	NM_024332	BRCC3
A_22_P00000203	5,78218	5,4536	1,255776744	ENST00000575911	N/A	BF825985	N/A
A_33_P6443530	6,10463	5,77606	1,25576804	N/A	80778	NM_001286769	ZNF34
A_24_P174755	9,60688	9,27832	1,255759335	ENST00000461013	6584	NM_003060	SLC22A5

A_22_P00010239	5,70869	5,38019	1,255707111	N/A	N/A	N/A	Inc-MTA2-1
A_33_P3394234	11,1883	10,8598	1,255707111	ENST00000396026	7692	NM_003434	ZNF133
A_22_P00025574	3,46097	3,13253	1,255654888	N/A	N/A	N/A	Inc-TTC33-1
A_33_P3361513	8,61095	8,28258	1,255593965	ENST00000442241	54475	NM_001014445	NLE1
A_23_P93792	9,99207	9,66374	1,255559153	ENST00000382321	5395	NM_000535	PMS2
A_21_P0000542	3,33378	3,00547	1,255541748	N/A	8418	NR_027626	CMAHP
A_23_P211814	10,9222	10,5939	1,255533045	ENST00000360240	4134	NM_002375	MAP4
A_21_P0011679	2,3436	2,01539	1,255454723	N/A	N/A	N/A	XLOC_I2_006640
A_23_P416747	4,11291	3,78473	1,255428617	ENST00000531913	916	NM_000733	CD3E
A_24_P419211	8,49133	8,16322	1,255367705	ENST00000381801	9107	NM_004685	MTMR6
A_33_P3304212	14,6634	14,3353	1,255359003	ENST00000394691	26030	NM_015549	PLEKHG3
A_33_P3306272	4,32643	3,99834	1,255350302	ENST00000513200	285600	NM_001145678	KIAA0825
A_22_P00010779	8,18797	7,85995	1,255289393	ENST00000508406	101928978	NR_125909	LOC101928978
A_23_P92629	10,9709	10,6429	1,255271991	ENST00000545000	10283	NM_005869	CWC27
A_21_P0007854	7,85954	7,53164	1,255184985	N/A	N/A	N/A	Inc-HNF1A-1
A_33_P3267467	3,54203	3,21416	1,255158885	ENST00000442560	5991	N/A	RFX3
A_24_P4705	8,11154	7,7837	1,255132785	ENST00000328257	51400	NM_016147	PPME1
A_21_P0004585	4,51091	4,18316	1,255054488	N/A	N/A	N/A	Inc-BOD1-2
A_22_P00013556	1,88331	1,55559	1,25502839	ENST00000507341	N/A	N/A	N/A
A_23_P250404	11,3684	11,0407	1,255010992	ENST00000533482	10111	NM_005732	RAD50
A_33_P3212375	2,6729	2,34522	1,254993594	N/A	N/A	XM_006710182	Inc-ZNF117-1
A_22_P00003699	4,51165	4,18398	1,254984895	ENST00000568659	N/A	BX106581	N/A
A_22_P00021307	4,00808	3,68047	1,254932703	ENST00000415417	100506126	N/A	LINC00867
A_22_P00014840	4,83003	4,5025	1,254863116	N/A	N/A	N/A	Inc-SLC47A2-3
A_33_P3290144	1,95993	1,63241	1,254854418	ENST00000389601	142686	NM_001142733	ASB14
A_33_P3416301	5,46884	5,14133	1,25484572	ENST00000498701	1876	NM_212540	E2F6
A_21_P0013974	2,03489	1,7076	1,254654381	ENST00000529080	341676	XM_003118889	NEK5
A_24_P192805	9,94156	9,61436	1,254576114	ENST00000375707	440068	NM_001007232	CARD17
A_33_P3213888	2,3241	1,9969	1,254576114	ENST00000581115	643008	NM_001162995	SMIM5
A_19_P00807614	5,48638	5,15918	1,254576114	N/A	N/A	N/A	Inc-WDR7-8
A_23_P91015	9,64095	9,31376	1,254567418	ENST00000389501	10322	NM_006062	SMYD5
A_22_P00015190	4,94	4,61283	1,254550026	N/A	101929441	NR_123739	LOC101929441
A_21_P0010157	3,21551	2,88834	1,254550026	N/A	N/A	N/A	Inc-GRIK1-AS2-1

A_21_P0009191	1,94784	1,62067	1,254550026	N/A	N/A	N/A	Inc-HOXB7-1
A_33_P3251065	2,57742	2,2503	1,254506547	ENST00000602090	26085	AY923173	KLK13
A_33_P3335590	12,8253	12,4982	1,254489156	ENST00000389347	146439	NM_001103175	CCDC64B
A_24_P365025	11,0606	10,7335	1,254489156	ENST00000357122	9043	NM_003971	SPAG9
A_23_P106544	12,6366	12,3095	1,254489156	ENST00000567593	56942	NM_020188	CMC2
A_33_P3225086	12,3748	12,0477	1,254489156	ENST00000378750	9409	NM_057174	PEX16
A_23_P206454	10,2779	9,95085	1,25444568	ENST00000314994	92806	NM_145039	CENPBD1
A_21_P0008705	4,99624	4,66923	1,254410899	N/A	N/A	N/A	Inc-POTEB-5
A_33_P3269678	12,0286	11,7016	1,254402205	ENST00000409054	541471	NR_015395	MIR4435-1HG
A_33_P3413927	7,83746	7,51055	1,254323953	ENST00000551994	55591	NM_017599	VEZT
A_33_P3256655	2,11677	1,78992	1,254271788	N/A	N/A	N/A	N/A
A_22_P00018019	2,00253	1,67569	1,254263095	ENST00000576762	N/A	AF098665	N/A
A_23_P208416	9,6682	9,34155	1,254097922	ENST00000611092	79939	NM_024881	SLC35E1
A_23_P36322	11,187	10,8604	1,254054459	ENST00000298229	3636	NM_001567	INPPL1
A_24_P246173	10,3852	10,0586	1,254054459	ENST00000594824	4650	NM_004145	MYO9B
A_24_P67806	7,19184	6,8653	1,254002305	ENST00000366577	4548	NM_000254	MTR
A_21_P0010776	8,46908	8,14254	1,254002305	ENST00000440862	79668	NM_001178056	PARP8
A_33_P3281041	5,50914	5,18262	1,253984921	N/A	N/A	N/A	N/A
A_24_P98263	10,9506	10,6241	1,253967537	ENST00000530629	9166	NM_004215	EBAG9
A_23_P380724	11,9809	11,6544	1,253967537	ENST00000380266	60493	NM_021826	FASTKD5
A_33_P3257708	12,7855	12,4591	1,253880622	ENST00000368233	128240	NM_144772	APOA1BP
A_21_P0011311	10,3105	9,98417	1,253819785	ENST00000624918	N/A	N/A	N/A
A_33_P3409649	2,99859	2,67228	1,253802403	ENST00000274609	9509	NM_021599	ADAMTS2
A_33_P3466016	7,58901	7,26281	1,253706809	N/A	200830	AK054953	LOC200830
A_21_P0011755	3,98687	3,66067	1,253706809	ENST00000590022	N/A	N/A	N/A
A_33_P3230488	14,1721	13,8459	1,253706809	ENST00000528964	6199	NM_003952	RPS6KB2
A_33_P3412722	8,60373	8,27754	1,253698119	ENST00000480807	29886	NM_013321	SNX8
A_21_P0011465	9,32462	8,99846	1,253672049	ENST00000411546	23049	NM_015092	SMG1
A_33_P3400292	4,86837	4,54222	1,25366336	N/A	N/A	N/A	N/A
A_22_P00011830	1,68373	1,35765	1,253602533	N/A	N/A	N/A	Inc-PHF3-2
A_33_P3261953	4,19172	3,86564	1,253602533	N/A	100996349	NR_103470	LOC100996349
A_22_P00006435	4,34116	4,01509	1,253593844	N/A	N/A	N/A	Inc-FBXO7-1
A_22_P00015000	2,82749	2,50143	1,253585154	N/A	N/A	DB081557	Inc-SMG6-4

A_23_P20804	10,0401	9,71404	1,253585154	ENST00000297620	203259	NM_147202	FAM219A
A_23_P429082	7,15019	6,82419	1,25353302	ENST00000336349	144108	NM_194285	SPTY2D1
A_21_P0001427	1,97731	1,65131	1,25353302	N/A	N/A	N/A	Inc-CNIH3-1
A_33_P3287972	6,45367	6,12767	1,25353302	ENST00000452898	5922	XM_006713719	RASA2
A_23_P62634	5,72034	5,39438	1,253498266	ENST00000374352	6006	NM_020485	RHCE
A_23_P78092	3,55263	3,22673	1,253446135	ENST00000578021	2123	NM_001003927	EVI2A
A_22_P00005575	11,6039	11,278	1,253446135	ENST00000569087	N/A	N/A	N/A
A_33_P3325110	8,55156	8,22573	1,253385319	ENST00000367203	9580	NM_005686	SOX13
A_33_P3342430	16,3318	16,006	1,253359256	ENST00000443279	N/A	N/A	N/A
A_32_P74579	2,46749	2,14171	1,253341881	ENST00000604641	246176	NM_139285	GAS2L2
A_33_P3367701	4,71008	4,38437	1,25328107	ENST00000288381	84187	NM_032227	TMEM164
A_24_P408424	14,0595	13,7338	1,253272383	ENST00000216181	4627	NM_002473	MYH9
A_21_P0012050	6,78939	6,46373	1,253237635	ENST00000419394	N/A	XR_427580	N/A
A_33_P3341787	7,19613	6,87047	1,253237635	ENST00000324799	N/A	AF050145	N/A
A_23_P207037	4,44049	4,11484	1,253228948	ENST00000310828	11314	NM_007261	CD300A
A_33_P3418516	5,80688	5,48123	1,253228948	ENST00000535432	1871	NM_001949	E2F3
A_24_P85619	4,98576	4,66012	1,253220262	N/A	N/A	AF363068	N/A
A_33_P3403666	5,21445	4,88882	1,253211575	N/A	27158	NM_001144026	NDOR1
A_21_P0012722	7,3495	7,02392	1,253168143	ENST00000501725	N/A	XR_425724	N/A
A_33_P3389342	6,52946	6,20389	1,253159456	ENST00000467498	10865	NM_212481	ARID5A
A_23_P206661	9,6911	9,36558	1,253116026	ENST00000320623	1728	NM_000903	NQO1
A_21_P0010723	3,92923	3,60373	1,253098654	ENST00000454544	57234	NR_111950	LINC00869
A_33_P3368750	10,4414	10,1159	1,253098654	ENST00000340965	54852	NM_001104554	PAQR5
A_33_P3296193	4,22851	3,90303	1,253081283	N/A	100101490	NR_003677	MCTS2P
A_23_P389391	9,50733	9,18185	1,253081283	ENST00000537830	6560	NM_005072	SLC12A4
A_33_P3293237	2,82188	2,49642	1,253063911	N/A	N/A	N/A	Inc-SULF1-3
A_33_P3329462	6,16721	5,8419	1,252933635	ENST00000428276	103689915	N/A	DLEU1-AS1
A_22_P00025928	5,07046	4,74516	1,25292495	N/A	N/A	AK126895	Inc-RIC3-1
A_21_P0012298	5,74923	5,42393	1,25292495	N/A	N/A	N/A	XLOC_I2_009539
A_23_P83976	3,32839	3,00315	1,252872843	ENST00000582795	201134	NM_001199165	CEP112
A_19_P00317759	2,99323	2,66799	1,252872843	N/A	N/A	N/A	Inc-NR5A2-1
A_22_P00010494	6,81687	6,49168	1,252829423	ENST00000448379	N/A	N/A	N/A
A_32_P79492	2,32639	2,00123	1,252803371	ENST00000585503	8629	AK092432	JRK

A_22_P00006548	3,88912	3,56399	1,25277732	N/A	N/A	N/A	Inc-FKBP3-1
A_23_P37514	12,3135	11,9885	1,252664439	ENST00000360639	56905	NM_015492	C15orf39
A_23_P34733	11,8954	11,5704	1,252664439	ENST00000366560	2271	NM_000143	FH
A_33_P3212112	10,3252	10,0002	1,252664439	ENST00000290209	9990	NM_001042496	SLC12A6
A_22_P00002332	5,39544	5,07068	1,252456069	ENST00000533575	101928536	N/A	LINC01493
A_33_P3222348	4,9298	4,60509	1,252412662	N/A	N/A	AK124642	N/A
A_21_P0012563	2,09584	1,77113	1,252412662	ENST00000420947	N/A	N/A	N/A
A_33_P3316313	8,722	8,3973	1,252403981	ENST00000391980	130916	NM_182501	MTERF4
A_23_P217475	11,3961	11,0714	1,252403981	ENST00000490775	3423	NM_006123	IDS
A_23_P311192	7,52082	7,19613	1,2523953	ENST00000482632	10558	NM_178324	SPTLC1
A_22_P00000315	2,47852	2,15386	1,252369258	ENST00000440935	N/A	N/A	N/A
A_33_P3319905	3,32976	3,0051	1,252369258	ENST00000334475	54210	NM_018643	TREM1
A_33_P3243500	3,58692	3,26249	1,252169616	ENST00000544461	729732	NR_047662	LOC729732
A_33_P3369419	5,23091	4,9065	1,252152258	ENST00000466224	54856	NM_001282861	GON4L
A_22_P00009253	3,16525	2,84085	1,252143578	ENST00000417715	N/A	N/A	N/A
A_22_P00015498	8,14653	7,82217	1,252108862	N/A	N/A	N/A	Inc-STAR4-1
A_33_P3215720	6,34511	6,02079	1,252074147	ENST00000393023	5504	NM_001291504	PPP1R2
A_33_P3828101	6,10707	5,7828	1,252030754	ENST00000395557	153733	NM_152549	CCDC112
A_23_P161481	4,66183	4,33756	1,252030754	ENST00000263563	27143	NM_014431	PALD1
A_21_P0006287	3,11414	2,78987	1,252030754	N/A	N/A	N/A	Inc-CDK20-1
A_23_P18372	11,4197	11,0955	1,251970007	ENST00000326505	84002	NM_032047	B3GNT5
A_23_P146479	12,1696	11,8454	1,251970007	ENST00000371964	6835	NM_017503	SURF2
A_23_P131816	13,7669	13,4427	1,251970007	ENST00000372622	116092	NM_052951	DNTTIP1
A_33_P3209950	6,3817	6,05751	1,251961329	ENST00000377494	10235	XM_006718416	RASGRP2
A_33_P3210443	5,94658	5,62243	1,251926617	ENST00000556586	145216	NR_038436	LINC00637
A_23_P52058	10,4825	10,1584	1,25188323	ENST00000471918	6894	NM_005646	TARBP1
A_33_P3242109	5,91014	5,58605	1,251874552	N/A	N/A	BC039168	Inc-NINJ2-2
A_21_P0009027	2,2216	1,89763	1,251770429	N/A	N/A	N/A	Inc-SALL1-2
A_33_P3306715	3,82342	3,49946	1,251761752	N/A	647024	NM_001164446	C6orf132
A_24_P167052	10,3211	9,99714	1,251761752	ENST00000326799	10730	NM_139312	YME1L1
A_33_P3219811	7,74675	7,4228	1,251753075	ENST00000371623	5730	N/A	PTGDS
A_23_P367899	5,51303	5,18912	1,25171837	ENST00000586890	2057	NM_000121	EPOR
A_24_P150068	4,3557	4,03184	1,251674989	ENST00000502622	3359	NM_213621	HTR3A

A_33_P3408665	12,4615	12,1377	1,251622935	N/A	N/A	N/A	N/A
A_33_P3293768	4,24763	3,92384	1,251614259	ENST00000400368	386674	NM_198688	KRTAP10-6
A_22_P00009983	3,52941	3,20564	1,251596908	ENST00000452219	101928782	N/A	LOC101928782
A_33_P3375451	6,45251	6,12876	1,251579558	ENST00000382554	57523	NM_025081	NYNRIN
A_22_P00005929	4,43666	4,11291	1,251579558	N/A	N/A	R47879	Inc-EXO1-2
A_24_P136094	6,62984	6,30611	1,251562207	ENST00000389857	440193	NM_001080414	CCDC88C
A_33_P3382118	10,3364	10,0127	1,251536182	N/A	N/A	N/A	N/A
A_23_P430670	4,55034	4,22666	1,251518832	ENST00000336257	23563	NM_024533	CHST5
A_21_P0000337	3,72566	3,40199	1,251510157	N/A	677834	NR_002983	SNORA55
A_23_P427122	2,47448	2,15093	1,251406064	ENST00000359918	116969	NM_053017	ART5
A_23_P54728	11,8587	11,5352	1,251362694	ENST00000566437	65990	NM_023933	FAM173A
A_23_P55616	8,12885	7,8054	1,251319326	ENST00000321925	6563	NM_001146037	SLC14A1
A_24_P203502	8,03177	7,70835	1,251293306	ENST00000591045	N/A	N/A	N/A
A_22_P00000723	2,11629	1,79288	1,251284633	N/A	N/A	N/A	Inc-ADAMTS18-6
A_33_P3307820	2,0228	1,6994	1,251275959	ENST00000539295	153918	NM_001013623	ZC2HC1B
A_22_P00018101	6,95243	6,62906	1,25124994	ENST00000576671	N/A	N/A	N/A
A_21_P0012077	10,0284	9,70518	1,251119852	ENST00000409139	N/A	N/A	N/A
A_22_P00002298	2,0464	1,72327	1,251041805	ENST00000545986	N/A	DA916467	N/A
A_33_P3406408	13,0308	12,7077	1,251015791	ENST00000373605	63905	NM_022077	MANBAL
A_33_P3292915	7,64211	7,31908	1,250955093	ENST00000394269	6949	NM_001008657	TCOF1
A_23_P309739	4,31991	3,99689	1,250946422	ENST00000440973	2099	NM_000125	ESR1
A_33_P3209162	4,90426	4,58128	1,250911739	ENST00000592954	346	NM_001646	APOC4
A_21_P0009803	3,91102	3,58829	1,250694991	ENST00000603718	N/A	XR_424978	N/A
A_33_P3288574	2,01724	1,69458	1,250634308	ENST00000334670	386678	NM_198692	KRTAP10-11
A_23_P309950	3,30879	2,98628	1,250504284	ENST00000370271	55719	AL833126	FAM178A
A_22_P00010287	3,64509	3,32258	1,250504284	ENST00000577879	N/A	N/A	N/A
A_23_P365418	10,023	9,70049	1,250504284	ENST00000434415	100289678	NM_001195220	ZNF783
A_33_P3217073	14,4001	14,0776	1,250495616	ENST00000372134	27069	NM_014394	GHITM
A_23_P156667	10,8576	10,5351	1,250495616	ENST00000376511	5514	NM_002714	PPP1R10
A_22_P00012242	2,76834	2,4459	1,250443611	ENST00000554773	101927729	XR_245767	LOC101927729
A_22_P00012575	2,18799	1,86559	1,250408942	ENST00000454594	101928040	N/A	BARX1-AS1
A_32_P83465	14,3276	14,0052	1,250408942	ENST00000426482	100132406	NM_001039703	NBPF10
A_33_P3399428	2,11597	1,7936	1,25038294	ENST00000381078	N/A	AK125751	N/A



A_24_P357169	10,6204	10,2982	1,25023561	ENST00000568225	83481	NM_031308	EPPK1
A_22_P00008558	6,34182	6,01962	1,25023561	N/A	N/A	BC031864	Inc-KCNMB4-1
A_24_P336417	11,1664	10,8442	1,25023561	ENST00000367589	9213	NM_004736	XPR1
A_23_P93431	13,4251	13,103	1,250148953	ENST00000357847	51390	NM_016108	AIG1
A_33_P3326025	8,89515	8,5731	1,250105627	ENST00000610351	256949	AY203940	KANK3
A_33_P3378689	10,338	10,016	1,250062303	ENST00000480474	51322	NM_016628	WAC
A_33_P3408514	2,42437	2,1024	1,250036309	ENST00000379116	6339	NM_001130413	SCNN1D
A_23_P140309	13,3063	12,9844	1,249975658	ENST00000622254	93487	NM_144578	MAPK1IP1L
A_21_P0007230	4,30277	3,98088	1,249966994	N/A	N/A	N/A	Inc-CCND1-1
A_23_P255968	7,01787	6,69605	1,249906346	ENST00000258034	9038	NM_003967	TAAR5
A_33_P3418917	9,02381	8,70212	1,249793724	N/A	284618	NM_001039517	RUSC1-AS1
A_24_P387321	7,1958	6,87418	1,249733085	ENST00000355684	51710	NM_016264	ZNF44
A_22_P00021565	12,7364	12,4148	1,24971576	ENST00000531523	677844	N/A	SNORA78
A_23_P159255	8,44352	8,12193	1,249707097	ENST00000580949	5797	NM_002845	PTPRM
A_33_P3412519	5,46038	5,13885	1,249655125	ENST00000399744	55670	NM_001199319	PEX26
A_22_P00017736	5,7554	5,43389	1,249637801	ENST00000568026	N/A	N/A	N/A
A_33_P3403254	2,83102	2,50952	1,249629139	ENST00000547628	729747	NM_001080404	ZNF878
A_24_P940086	2,00216	1,68077	1,249533863	ENST00000570453	11248	NM_007225	NXPH3
A_23_P300087	2,10921	1,78789	1,249473237	ENST00000447106	387316	NR_045612	VN1R10P
A_33_P3613358	6,30509	5,98377	1,249473237	N/A	N/A	AK097143	N/A
A_23_P207125	9,14253	8,82123	1,249455916	ENST00000302926	57555	NM_020795	NLGN2
A_22_P00016506	1,95535	1,63409	1,249421274	ENST00000419467	101927843	NR_109959	LOC101927843
A_22_P00000330	3,8569	3,53571	1,249360653	N/A	N/A	N/A	Inc-AC012123.1.1-2
A_32_P93996	5,22352	4,90236	1,249334674	ENST00000375587	100128361	NR_036505	LOC100128361
A_24_P945194	9,74866	9,42752	1,249317354	ENST00000307296	10015	NM_013374	PDCD6IP
A_33_P3251198	7,35219	7,03107	1,249300035	ENST00000404098	23236	AX721082	PLCB1
A_23_P502470	7,71692	7,39587	1,24923942	ENST00000381287	3572	NM_002184	IL6ST
A_33_P3407999	2,547	2,22597	1,249222102	N/A	N/A	N/A	N/A
A_33_P3237364	3,26084	2,93981	1,249222102	N/A	N/A	N/A	N/A
A_33_P3397785	5,05845	4,73751	1,249144174	ENST00000567334	127833	NM_001136504	SYT2
A_33_P3310104	14,6033	14,2824	1,249109541	ENST00000382771	5268	NM_002639	SERPIN5
A_22_P00000846	4,01751	3,69663	1,249092225	N/A	728723	NR_024398	ZBED3-AS1
A_33_P3322450	4,21986	3,89904	1,249040278	ENST00000378815	117177	XM_006719228	RAB3IP

A_22_P00017257	6,1245	5,80371	1,249014305	N/A	N/A	DB451973	Inc-UNC93B1-2
A_23_P155900	1,97606	1,65535	1,248945047	ENST00000344413	10886	NM_053036	NPFFR2
A_21_P0005492	6,82594	6,50525	1,248927733	N/A	N/A	N/A	Inc-C7orf11-2
A_33_P3291877	6,85839	6,53783	1,248815198	ENST00000478761	57492	NM_020732	ARID1B
A_23_P400945	6,84141	6,52085	1,248815198	ENST00000326786	2117	NM_005240	ETV3
A_22_P00006983	2,8464	2,52594	1,24872864	ENST00000510938	N/A	N/A	N/A
A_23_P146325	8,57844	8,25805	1,248668052	N/A	29065	NR_002765	ASAP1-IT1
A_23_P55828	2,74114	2,42076	1,248659397	ENST00000253451	6370	NM_005624	CCL25
A_21_P0011623	6,47099	6,15065	1,248624778	ENST00000506394	N/A	N/A	N/A
A_23_P30649	3,77207	3,45173	1,248624778	ENST00000237201	81833	NM_030960	SPACA1
A_33_P3256480	7,05745	6,73718	1,248564196	N/A	N/A	N/A	N/A
A_23_P14464	8,7232	8,40294	1,248555541	ENST00000554011	10640	NM_006544	EXOC5
A_23_P203406	14,3923	14,0722	1,24841708	ENST00000540933	23193	NM_198335	GANAB
A_33_P3313680	1,95464	1,63454	1,24841708	ENST00000403951	1607	NM_004080	DGKB
A_24_P130041	11,9439	11,6238	1,24841708	ENST00000422722	1595	NM_000786	CYP51A1
A_21_P0000250	10,8569	10,5369	1,248330549	ENST00000463740	26815	NR_002448	SNORD36A
A_32_P203515	11,3338	11,0139	1,248244024	ENST00000437398	23384	NM_015330	SPECC1L
A_22_P00003484	4,61839	4,29851	1,24822672	ENST00000511243	100874053	NR_047481	JRKL-AS1
A_33_P3362274	2,18276	1,86291	1,248200764	ENST00000390456	N/A	N/A	N/A
A_23_P82299	14,3458	14,026	1,248157506	ENST00000476185	221908	NM_145030	PPP1R35
A_33_P3323435	10,6253	10,3055	1,248157506	ENST00000554752	4293	NM_033141	MAP3K9
A_33_P3213493	7,34664	7,02689	1,248114248	ENST00000316509	6844	NM_014232	VAMP2
A_21_P0010069	4,82071	4,50108	1,248010438	N/A	N/A	N/A	Inc-RP11-93B14.6.1-4
A_21_P0014801	10,9128	10,5932	1,247984486	ENST00000567298	54758	XR_424741	KLHDC4
A_21_P0005495	4,98444	4,66486	1,247967186	N/A	N/A	N/A	Inc-SUN3-1
A_33_P3212350	4,23755	3,918	1,247941235	N/A	84433	AK097139	CARD11
A_23_P431330	9,4513	9,13175	1,247941235	ENST00000324803	285464	NM_175918	CRIPAK
A_33_P3323945	5,70758	5,38806	1,247915285	ENST00000330106	51286	NM_016564	CEND1
A_24_P633902	9,4652	9,14569	1,247906635	ENST00000539368	27246	NM_014455	RNF115
A_21_P0013685	11,8581	11,5386	1,247897985	ENST00000437852	N/A	N/A	N/A
A_21_P0000246	6,68644	6,36697	1,247872036	ENST00000564647	595099	NR_002442	SNORD18B
A_23_P396777	6,80411	6,48465	1,247863387	ENST00000620529	10336	NM_006315	PCGF3
A_21_P0014733	1,85072	1,53127	1,247854737	ENST00000447529	N/A	AK094915	N/A

A_23_P159539	9,72813	9,40871	1,247828789	ENST00000381333	8623	NM_004192	ASMTL
A_32_P44316	14,8346	14,5152	1,247811491	ENST00000443590	1915	NM_001402	EEF1A1
A_23_P207766	11,8207	11,5013	1,247811491	ENST00000269321	396	NM_004309	ARHGDI A
A_22_P00010555	6,9501	6,63075	1,247768246	N/A	N/A	AK123156	Inc-NCOA5-1
A_22_P00003873	4,10758	3,78825	1,247750948	N/A	N/A	AK026947	Inc-CEMP1-5
A_22_P00001384	2,13345	1,81414	1,247733651	N/A	N/A	N/A	Inc-AP3M1-2
A_23_P4353	12,8818	12,5625	1,247725002	ENST00000348811	26118	NM_015626	WSB1
A_23_P18672	2,19153	1,87227	1,247690408	ENST00000511446	57733	NM_020973	GBA3
A_33_P3396635	5,76526	5,44606	1,247638519	ENST00000376895	10214	NM_021014	SSX3
A_21_P0014239	2,93824	2,61909	1,24759528	N/A	N/A	BC042955	Inc-C9orf30-1
A_22_P00004404	4,08774	3,7686	1,247586633	N/A	N/A	N/A	Inc-COMMD2-1
A_19_P00321473	10,173	9,85394	1,247517454	N/A	414777	NR_102326	HCG18
A_24_P66337	5,70538	5,38632	1,247517454	ENST00000319406	253558	AK095284	LCLAT1
A_23_P100022	2,82544	2,50639	1,247508807	ENST00000557410	9899	NM_014848	SV2B
A_22_P00004073	1,99368	1,67465	1,247491513	N/A	N/A	N/A	Inc-CIB1-1
A_33_P3397486	8,74332	8,42435	1,247439632	ENST00000522255	9583	NM_004901	ENTPD4
A_22_P00007987	8,98876	8,66979	1,247439632	ENST00000435023	101928973	NR_125966	LOC101928973
A_33_P3388882	6,80959	6,49073	1,247344523	N/A	100132923	NR_027425	FAM66D
A_33_P3236646	10,9176	10,5989	1,247206196	ENST00000340535	375056	NM_198551	MIA3
A_33_P3879920	14,2778	13,9591	1,247206196	ENST00000623385	202658	NM_001199119	TRIM39-RPP21
A_22_P00010493	4,89021	4,57154	1,247180261	N/A	N/A	N/A	Inc-NBAS-1
A_22_P00006321	1,93352	1,61493	1,247111105	ENST00000458413	N/A	N/A	N/A
A_21_P0003558	4,3523	4,03377	1,24705924	N/A	N/A	N/A	Inc-CRIPAK-1
A_23_P502078	5,51469	5,19616	1,24705924	ENST00000329492	23542	NM_012324	MAPK8IP2
A_21_P0013934	7,68387	7,36534	1,24705924	N/A	N/A	AA778499	N/A
A_33_P3253747	5,44762	5,12913	1,247024664	N/A	1544	NM_000761	CYP1A2
A_23_P31240	3,68029	3,36185	1,246981447	ENST00000360039	79690	NM_024637	GAL3ST4
A_22_P00001307	4,3894	4,07104	1,246912301	N/A	N/A	N/A	Inc-ANO6-1
A_33_P3404989	7,46622	7,14791	1,246869087	ENST00000369163	8357	NM_003536	HIST1H3H
A_21_P0004684	4,64384	4,32554	1,246860445	ENST00000454262	N/A	N/A	N/A
A_33_P3413821	8,10265	7,78436	1,246851802	ENST00000368173	55243	NM_018240	KIRREL
A_33_P3247165	4,01441	3,69614	1,246834517	ENST00000449977	196993	NM_001102658	CT62
A_33_P3421674	3,73475	3,4165	1,246817233	N/A	N/A	N/A	N/A

A_23_P113789	7,40794	7,08977	1,246748096	ENST00000398888	10869	NM_006677	USP19
A_24_P44279	8,17879	7,86065	1,246722171	ENST00000455858	26259	NM_153348	FBXW8
A_23_P332260	4,28893	3,97083	1,246687605	ENST00000527246	59351	NM_021635	PBOV1
A_32_P430695	4,42315	4,10505	1,246687605	ENST00000624754	339883	NM_178339	C3orf35
A_23_P351734	7,71777	7,39973	1,246635758	ENST00000378156	261734	NM_015102	NPHP4
A_23_P387045	9,41517	9,09715	1,246618476	ENST00000378407	203260	NM_174923	CCDC107
A_23_P415061	4,51361	4,19563	1,246583913	ENST00000358460	90736	NM_138362	FAM104B
A_23_P326157	3,02568	2,70772	1,246566632	ENST00000610560	64090	NM_022134	GAL3ST2
A_33_P3376449	4,87785	4,5599	1,246557991	ENST00000478793	254887	NM_173570	ZDHC23
A_33_P6809500	8,46559	8,14768	1,24652343	ENST00000551421	100506844	NR_038269	LOC100506844
A_33_P3257528	8,47569	8,15788	1,24643703	ENST00000510989	26036	NM_015555	ZNF451
A_33_P3338335	13,7338	13,416	1,246428391	ENST00000300952	90007	NM_177401	MIDN
A_33_P8915099	4,15242	3,83468	1,246376554	ENST00000428222	101928336	N/A	LOC101928336
A_32_P15320	16,4323	16,1146	1,246341998	ENST00000415278	1915	NM_001402	EEF1A1
A_33_P3239222	14,1458	13,8281	1,246341998	ENST00000475415	8662	NM_001037283	EIF3B
A_23_P200838	6,14741	5,82972	1,246333359	ENST00000366559	8564	NM_003679	KMO
A_21_P0011780	4,8245	4,50686	1,246290165	ENST00000433232	101927621	NR_110708	LINC01534
A_21_P0007705	2,02437	1,70683	1,246203782	N/A	N/A	N/A	Inc-ZNF641-1
A_23_P10305	7,3197	7,00217	1,246195144	ENST00000455276	56474	NM_175859	CTPS2
A_33_P3284933	3,29652	2,97899	1,246195144	ENST00000356897	246778	NM_145659	IL27
A_24_P136758	9,13793	8,82043	1,24616923	ENST00000610417	N/A	XM_005259029	N/A
A_21_P0011632	2,30539	1,98792	1,246143317	ENST00000433051	N/A	N/A	N/A
A_33_P3274001	5,24664	4,92917	1,246143317	N/A	N/A	N/A	N/A
A_24_P303874	13,1566	12,8392	1,246082855	ENST00000320778	157927	NM_173520	C9orf62
A_23_P134454	16,8207	16,5033	1,246082855	ENST00000341049	857	NM_001753	CAV1
A_33_P3229390	8,56112	8,24375	1,246056944	N/A	N/A	N/A	N/A
A_21_P0000652	4,58947	4,27219	1,245979213	ENST00000602965	442524	N/A	DPY19L2P3
A_33_P3312842	7,39323	7,076	1,245936032	ENST00000323037	223082	NM_147128	ZNRF2
A_22_P00012818	2,35021	2,03304	1,245884216	N/A	N/A	DA432077	Inc-RARRES2-2
A_23_P12526	9,80196	9,48482	1,245858309	ENST00000391878	7159	NM_005426	TP53BP2
A_23_P89431	2,15838	1,84127	1,245832402	ENST00000582017	6347	NM_002982	CCL2
A_24_P87490	10,7436	10,4265	1,245823766	ENST00000518506	201158	NM_145301	TVP23C
A_23_P36464	11,1931	10,876	1,245823766	ENST00000538016	55726	NM_018164	ASUN

A_22_P00012909	2,1598	1,84273	1,245797861	N/A	N/A	N/A	Inc-RBMX-2
A_23_P106661	6,79772	6,48066	1,245789225	ENST00000479381	113540	NM_052999	CMTM1
A_32_P26330	6,64808	6,33105	1,24576332	ENST00000417863	9100	NM_005153	USP10
A_33_P3325978	7,22885	6,91187	1,245720146	N/A	N/A	N/A	N/A
A_23_P13663	13,9224	13,6055	1,245651071	ENST00000544921	58516	NM_021238	FAM60A
A_21_P0006611	3,95631	3,63942	1,245642436	N/A	N/A	N/A	Inc-PFKP-11
A_24_P129277	8,49604	8,1792	1,245599267	ENST00000467706	10392	NM_006092	NOD1
A_22_P00018020	6,71611	6,39929	1,245581999	N/A	N/A	N/A	Inc-ZNF205-1
A_22_P00006689	2,1075	1,79072	1,245547465	N/A	N/A	N/A	Inc-FPR1-1
A_21_P0013688	2,00142	1,68466	1,245530198	N/A	N/A	N/A	XLOC_I2_015418
A_33_P3238941	6,50617	6,18943	1,245512931	ENST00000607974	253650	NM_147195	ANKRD18A
A_21_P0007206	4,59351	4,27679	1,245495665	N/A	N/A	N/A	Inc-CTD-2210P24.4.1-3
A_23_P118722	6,63686	6,32015	1,245487032	ENST00000619926	432	NM_001671	ASGR1
A_33_P3355071	8,42176	8,10518	1,245374807	ENST00000377059	8028	NM_004641	MLLT10
A_33_P3284883	5,25158	4,93525	1,245159019	ENST00000603061	79817	NM_024761	MOB3B
A_23_P45970	10,0908	9,77451	1,245124496	ENST00000609516	54955	NM_017850	C1orf109
A_23_P251593	17,748	17,4318	1,245046824	ENST00000472730	4736	NM_007104	RPL10A
A_33_P3240763	2,6468	2,33064	1,245012304	N/A	N/A	BC040838	N/A
A_33_P3330175	7,40112	7,08497	1,245003674	N/A	N/A	N/A	XLOC_I2_015203
A_22_P00007974	5,87295	5,55695	1,244874235	N/A	N/A	BX364425	Inc-IDH3G-1
A_22_P00017870	1,92581	1,60981	1,244874235	N/A	N/A	N/A	Inc-ZDHHC6-1
A_23_P326844	7,43991	7,12392	1,244865607	ENST00000267425	161424	NM_174913	NOP9
A_33_P3367606	3,51948	3,20351	1,244848349	N/A	79857	NR_026806	FLJ13224
A_32_P9842	12,9732	12,6573	1,24478795	ENST00000414996	64419	NM_001077526	MTMR14
A_21_P0007161	2,1228	1,80696	1,244736182	ENST00000452629	N/A	N/A	N/A
A_33_P3402116	11,47	11,1542	1,244701671	ENST00000373204	26523	NM_012199	AGO1
A_21_P0013821	2,26648	1,95071	1,244675789	ENST00000435991	N/A	N/A	N/A
A_22_P00009483	2,9576	2,64183	1,244675789	ENST00000370438	N/A	AF050146	N/A
A_33_P3391135	4,15933	3,84357	1,244667161	ENST00000376682	283383	NM_198827	GPR133
A_23_P52914	4,69333	4,37759	1,244649907	ENST00000314644	81309	NM_001001920	OR4C15
A_33_P3282181	13,4356	13,1199	1,244615398	ENST00000404127	393	NM_001164741	ARHGAP4
A_19_P00315905	3,5096	3,19394	1,24458089	ENST00000505997	102467213	NR_104671	LOC102467213
A_22_P00012192	1,95555	1,63999	1,244494626	ENST00000565538	N/A	AL162033	N/A

A_22_P00020754	9,30995	8,99442	1,244468747	N/A	N/A	AL137645	Inc-EBPL-2
A_23_P62270	10,0554	9,73988	1,244460121	ENST00000404049	8242	NM_004187	KDM5C
A_23_P201996	12,7975	12,4821	1,244356614	ENST00000354911	51322	NM_100264	WAC
A_22_P00004041	3,50589	3,19058	1,24427899	N/A	N/A	HY003396	Inc-CHRNA6-1
A_23_P13914	11,0159	10,7007	1,244184122	ENST00000539298	57647	NM_032656	DHX37
A_33_P3259522	5,91186	5,5967	1,244149626	ENST00000371330	200008	NM_201546	CDCP2
A_23_P171270	4,4739	4,15888	1,244028899	ENST00000354514	474381	NM_001017991	H2AFB2
A_33_P3212650	12,2667	11,9517	1,244011653	ENST00000609477	51020	BC061520	HDDC2
A_24_P917866	8,30734	7,99238	1,243977162	ENST00000322030	6418	NM_003011	SET
A_23_P117933	13,2718	12,9569	1,243925428	ENST00000564386	2653	NM_004483	GCSH
A_33_P3401322	10,6208	10,3059	1,243925428	ENST00000368219	81875	NM_001303095	ISG20L2
A_23_P28538	11,4221	11,1072	1,243925428	ENST00000464458	64969	NM_031902	MRPS5
A_33_P3396831	7,52117	7,20645	1,243770237	ENST00000368256	7203	N/A	CCT3
A_33_P3384392	13,3706	13,0559	1,243752995	ENST00000416281	156	NM_001619	ADRBK1
A_23_P310972	3,67153	3,35684	1,243744374	ENST00000611598	56104	NM_032095	PCDHGB1
A_22_P00015062	2,1005	1,78591	1,243658167	N/A	N/A	N/A	Inc-SNRPD3-1
A_33_P3210228	3,30096	2,98642	1,243615066	ENST00000375947	79670	N/A	ZCCHC6
A_24_P76740	9,42638	9,11189	1,243571967	ENST00000491136	200014	NM_032449	CC2D1B
A_23_P43317	4,97192	4,65747	1,243537488	ENST00000253008	59335	NM_021619	PRDM12
A_21_P0004252	4,92108	4,60666	1,24351163	N/A	N/A	N/A	Inc-SNX18-1
A_33_P3274560	7,52472	7,21037	1,243451295	ENST00000409456	80704	N/A	SLC19A3
A_23_P26439	5,06389	4,74955	1,243442677	ENST00000623401	79007	NM_001042610	DBNDD1
A_22_P00005663	4,58354	4,26931	1,243347872	N/A	102724671	XR_424164	LOC102724671
A_21_P0002763	2,97953	2,66532	1,243330636	ENST00000495228	344595	N/A	LINC00883
A_21_P0007432	2,21907	1,90487	1,243322018	N/A	101930264	N/A	LOC101930264
A_33_P3233565	9,67292	9,35882	1,24323584	ENST00000420761	7390	NM_000375	UROS
A_32_P140898	10,876	10,5619	1,24323584	ENST00000616844	3344	NM_002158	FOXN2
A_33_P3371109	3,1682	2,85418	1,243166903	N/A	100130597	AK127669	LOC100130597
A_24_P345846	5,34543	5,03154	1,243054887	ENST00000307333	118429	NM_058172	ANTXR2
A_33_P3315239	5,12751	4,81363	1,243046271	N/A	7553	NM_001282796	ZNF7
A_22_P00006907	6,21426	5,90043	1,243003191	ENST00000583191	N/A	N/A	N/A
A_33_P3419720	12,9164	12,6026	1,242977344	ENST00000536378	4292	NM_000249	MLH1
A_23_P206830	12,1556	11,8418	1,242977344	ENST00000571178	51025	NM_016069	PAM16

A_19_P00320536	7,75308	7,43936	1,24290842	N/A	N/A	AK124562	N/A
A_33_P3321230	7,76854	7,45482	1,24290842	ENST00000367918	116843	NM_052831	SLC18B1
A_22_P00001808	4,35395	4,04023	1,24290842	ENST00000523496	N/A	DA757715	N/A
A_24_P109554	7,43498	7,12133	1,242848115	ENST00000373855	11064	NM_007018	CNTRL
A_33_P3412143	8,49454	8,18094	1,242805042	ENST00000529419	644943	NM_001080521	RASSF10
A_33_P3317815	10,6212	10,3076	1,242805042	ENST00000256078	3845	NM_004985	KRAS
A_33_P3374010	3,16171	2,84816	1,242761971	ENST00000357171	22941	NM_012309	SHANK2
A_23_P31389	9,34155	9,02811	1,242667219	ENST00000482395	29896	NM_013293	TRA2A
A_22_P00022023	1,7146	1,40126	1,242581086	N/A	N/A	AK092105	Inc-PAPPA-AS1-1
A_21_P0013986	9,71165	9,39835	1,242546635	ENST00000418195	N/A	XR_171390	N/A
A_33_P3233764	5,86764	5,55436	1,24252941	ENST00000392273	9113	NM_001270519	LATS1
A_33_P3369646	8,21144	7,89822	1,242477736	N/A	N/A	N/A	N/A
A_22_P00017886	7,18652	6,87339	1,242400228	ENST00000568248	N/A	AL833303	N/A
A_23_P357284	2,17621	1,86321	1,242288282	ENST00000323040	2828	NM_005282	GPR4
A_33_P3416479	4,44492	4,13195	1,242262449	ENST00000297373	5260	NM_001258459	PHKG1
A_23_P135381	2,5724	2,25945	1,242245228	ENST00000375281	389058	NM_001003845	SP5
A_33_P3502311	8,38313	8,07023	1,242202176	N/A	102723564	XR_429483	LOC102723564
A_23_P154058	10,0492	9,73631	1,242193566	ENST00000405940	8890	NM_001034116	EIF2B4
A_23_P1145	9,89624	9,5834	1,242150515	ENST00000488290	55149	NM_018109	MTPAP
A_23_P156842	12,0816	11,7688	1,242116076	ENST00000429723	9521	NM_004280	EEF1E1
A_33_P3421476	3,05001	2,73722	1,242107466	N/A	N/A	DA798455	N/A
A_21_P0012185	7,4383	7,12552	1,242098857	ENST00000432230	N/A	N/A	N/A
A_33_P3346573	7,05389	6,74121	1,242012764	ENST00000383736	4134	NM_001134364	MAP4
A_24_P743869	5,06792	4,75529	1,24196972	ENST00000448814	92482	NM_001195304	BBIP1
A_22_P00001060	4,94594	4,63335	1,241935286	N/A	N/A	N/A	Inc-ALB-1
A_22_P00024540	6,01206	5,69949	1,241918069	N/A	N/A	N/A	Inc-VN1R2-1
A_33_P3403082	8,56583	8,25327	1,241909461	ENST00000358393	284739	NR_027686	LINC00176
A_24_P141227	3,32798	3,01547	1,24186642	ENST00000526117	4010	NM_002316	LMX1B
A_24_P250499	13,1017	12,7892	1,241857812	ENST00000373433	58490	NM_021215	RPRD1B
A_33_P3216237	13,0079	12,6954	1,241857812	ENST00000436868	28969	NM_001159767	BZW2
A_19_P00805679	6,90394	6,59161	1,241711486	ENST00000476232	730102	NR_037167	LOC730102
A_23_P44781	7,89076	7,57844	1,241702879	ENST00000274695	54901	NM_017774	CDKAL1
A_23_P59602	11,1019	10,7897	1,241599602	ENST00000405785	54468	NM_019005	MIOS

A_23_P126120	7,03504	6,72294	1,241513544	ENST00000484920	91687	NM_033319	CENPL
A_19_P00321361	8,89541	8,58333	1,241496333	N/A	378805	NR_109851	LINC-PINT
A_33_P3317376	9,54509	9,23303	1,241479122	ENST00000396978	391	NM_001665	RHOG
A_33_P3333030	4,97558	4,66369	1,241332841	ENST00000369899	51684	NM_001178133	SUFU
A_33_P3350728	5,4072	5,09536	1,24128982	ENST00000373287	9855	NM_001282984	FARP2
A_23_P165494	12,6066	12,2948	1,241255405	ENST00000486498	26003	NM_015530	GORASP2
A_21_P0004517	5,68657	5,37477	1,241255405	N/A	100505894	NR_105019	TMEM161B-AS1
A_23_P88470	8,65498	8,34321	1,241229594	ENST00000313478	54822	NM_017672	TRPM7
A_24_P186379	11,2475	10,9359	1,241083342	ENST00000478895	282969	NM_198472	FUOM
A_22_P00008160	2,05244	1,74089	1,241040331	N/A	N/A	N/A	Inc-IMPACT-2
A_21_P0000229	3,79732	3,48584	1,240980116	N/A	338427	NR_001292	SNORD108
A_23_P411772	4,53173	4,22028	1,240954311	ENST00000622527	56103	NM_032096	PCDHGB2
A_23_P157758	8,21544	7,90407	1,2408855	ENST00000540714	158358	NM_001017969	KIAA2026
A_24_P7965	3,75484	3,44353	1,240833894	ENST00000469486	2104	NM_206594	ESRRG
A_23_P85604	11,5357	11,2244	1,240825293	ENST00000486652	80232	NM_025160	WDR26
A_33_P3272361	14,3619	14,0506	1,240825293	ENST00000405275	56259	NM_001281495	CTNBL1
A_33_P3329149	6,4332	6,12192	1,240808092	ENST00000613626	8621	NM_031267	CDK13
A_23_P200404	13,2353	12,9241	1,240739289	ENST00000354858	204	NM_001625	AK2
A_33_P3684897	5,7399	5,4287	1,240739289	N/A	644975	DA730659	FLJ30064
A_22_P00004446	2,97156	2,66037	1,240730689	ENST00000503843	100505878	NR_105017	LOC100505878
A_22_P00018016	1,88854	1,57743	1,24066189	ENST00000565046	N/A	BC040316	N/A
A_33_P3275959	10,1791	9,868	1,24065329	N/A	8034	BC001407	SLC25A16
A_19_P00322058	1,92717	1,61608	1,240644691	ENST00000436112	100507254	NR_038981	LINC01013
A_33_P3243449	5,05566	4,74462	1,240601694	ENST00000245903	970	NM_001252	CD70
A_24_P83075	5,29418	4,98317	1,240575897	N/A	102723489	XM_006724071	LINC00205
A_24_P322474	11,5934	11,2824	1,240567298	ENST00000380702	5141	NM_006202	PDE4A
A_23_P69637	5,95331	5,64237	1,240515705	ENST00000509620	54726	NM_017493	OTUD4
A_33_P3335999	10,8625	10,5516	1,240481311	ENST00000367998	8703	NM_001199873	B4GALT3
A_23_P4007	8,12841	7,81753	1,240464115	ENST00000250113	9513	NM_004860	FXR2
A_33_P3305710	2,30284	1,992	1,240429722	N/A	N/A	N/A	N/A
A_21_P0004206	2,1928	1,882	1,24039533	N/A	N/A	N/A	Inc-C5orf38-3
A_22_P00025875	4,16857	3,85778	1,240386733	N/A	N/A	N/A	Inc-DGKE-2
A_33_P3318444	7,58703	7,27629	1,240343745	ENST00000399398	643904	NM_001146684	RNF222



A_22_P00015215	3,07435	2,76365	1,240309356	ENST00000538810	102606463	NR_110132	LINC01152
A_23_P318296	5,94168	5,63099	1,240300759	ENST00000396257	84725	NM_032639	PLEKHA8
A_22_P00010120	8,14538	7,83469	1,240300759	N/A	101928069	NR_120586	LOC101928069
A_24_P309069	1,98516	1,67451	1,240266371	ENST00000297537	2636	NM_001098834	GBX1
A_23_P374288	11,8106	11,5	1,240223387	ENST00000394114	22794	NM_007359	CASC3
A_24_P206604	4,76444	4,45387	1,240197598	ENST00000487989	5209	NM_004566	PFKFB3
A_33_P3344801	4,28226	3,9717	1,240189001	N/A	N/A	N/A	N/A
A_21_P0003638	1,65547	1,34498	1,240128828	N/A	N/A	N/A	Inc-UGT8-2
A_22_P00017061	7,25356	6,94311	1,240094445	ENST00000612143	N/A	XR_432949	N/A
A_21_P0004311	1,94454	1,6343	1,239913949	N/A	N/A	N/A	Inc-ARHGAP26-2
A_33_P3262949	5,39284	5,08261	1,239905355	ENST00000378844	55612	N/A	FERMT1
A_23_P3856	7,6499	7,33967	1,239905355	ENST00000393430	162239	NM_153688	ZFP1
A_22_P00008280	2,12308	1,8129	1,239862384	N/A	N/A	N/A	Inc-ISCA2-1
A_22_P00015104	4,53575	4,22558	1,23985379	N/A	N/A	S71020	Inc-SNX11-2
A_23_P148829	3,44658	3,13644	1,239828008	ENST00000378404	140625	NM_080431	ACTRT2
A_33_P3346302	10,1448	9,83467	1,239819414	ENST00000539807	55833	NM_018449	UBAP2
A_32_P342064	16,8393	16,5292	1,239793633	ENST00000534180	2495	NM_002032	FTH1
A_33_P3422614	4,62189	4,31179	1,239793633	ENST00000464074	6251	N/A	RSU1
A_33_P3316273	6,27224	5,96227	1,239681921	ENST00000613396	6348	NM_002983	CCL3
A_21_P0002669	3,31866	3,0087	1,239673328	N/A	N/A	N/A	Inc-EIF2AK3-1
A_32_P176594	2,29168	1,98174	1,239656143	ENST00000483705	57710	NM_020950	KIAA1614
A_24_P175909	13,8109	13,5011	1,239535852	ENST00000262027	4141	NM_004990	MARS
A_33_P3390202	5,43781	5,12801	1,239535852	ENST00000372519	128497	NM_080608	SPATA25
A_23_P255317	9,0641	8,75432	1,239518668	ENST00000394514	9604	NM_004290	RNF14
A_33_P3351529	17,8728	17,5631	1,239449937	N/A	N/A	N/A	N/A
A_23_P14543	8,74137	8,4317	1,239424163	ENST00000557057	8846	NM_006020	ALKBH1
A_22_P00018010	4,40119	4,09155	1,239398391	ENST00000613560	101928238	XR_244091	LOC101928238
A_21_P0006347	6,43976	6,13019	1,239338256	N/A	N/A	N/A	Inc-DCAF10-2
A_21_P0010073	3,72125	3,41174	1,239286714	N/A	N/A	XM_006723787	Inc-KCNQ2-1
A_23_P20384	13,2726	12,9631	1,239278124	ENST00000520286	27257	NM_014462	LSM1
A_23_P98252	12,2476	11,9381	1,239278124	ENST00000529254	402	NM_001667	ARL2
A_33_P3303729	5,74376	5,43427	1,239269534	N/A	N/A	N/A	XLOC_I2_013415
A_21_P0004717	5,28916	4,97969	1,239252355	N/A	N/A	N/A	Inc-SERPINB6-2

A_22_P00008648	6,2213	5,91186	1,239226585	ENST00000414005	N/A	AF161538	N/A
A_22_P00002559	5,03126	4,72195	1,239114925	ENST00000581412	101928343	XR_243757	LOC101928343
A_33_P3299854	10,0677	9,75845	1,239063393	ENST00000491445	4686	NM_002486	NCBP1
A_33_P3449417	14,2856	13,9764	1,239020451	ENST00000569298	3735	NM_001130089	KARS
A_22_P00004324	4,94793	4,6388	1,238960334	N/A	N/A	CR627474	Inc-COG3-2
A_21_P0009389	4,88857	4,5795	1,238908809	N/A	N/A	N/A	Inc-TMEM98-1
A_21_P0007189	4,70987	4,40089	1,238831524	N/A	N/A	N/A	Inc-METT15-4
A_23_P171385	8,29633	7,98739	1,238797177	ENST00000370800	84295	NM_032335	PHF6
A_23_P74229	15,1595	14,8506	1,23876283	ENST00000359297	83931	NM_032017	STK40
A_33_P3503937	9,69561	9,38685	1,238642626	N/A	284581	AK094426	LOC284581
A_21_P0002162	3,98408	3,67539	1,238582528	N/A	N/A	N/A	Inc-ASAP2-5
A_24_P148499	5,41381	5,10513	1,238573943	ENST00000490412	841	NM_033358	CASP8
A_21_P0000219	7,4319	7,12329	1,238513848	ENST00000472481	26817	NR_000019	SNORD34
A_33_P3247473	4,57838	4,26978	1,238505264	ENST00000334160	337963	NM_181624	KRTAP23-1
A_23_P103672	9,11811	8,80951	1,238505264	ENST00000368223	10763	NM_006617	NES
A_33_P3259801	11,1811	10,8725	1,238505264	ENST00000453505	387521	NM_199129	TMEM189
A_22_P00023170	4,04207	3,73357	1,23841942	ENST00000508313	100506085	NR_037878	LOC100506085
A_21_P0009973	4,61502	4,30653	1,238410836	N/A	N/A	N/A	Inc-PTPN1-2
A_22_P00004882	3,8013	3,49283	1,238393668	N/A	N/A	DA338519	Inc-CYTH4-1
A_33_P3288039	6,65051	6,34206	1,2383765	ENST00000589951	374868	NM_198531	ATP9B
A_24_P403459	5,46983	5,16138	1,2383765	ENST00000421715	3441	NM_021068	IFNA4
A_24_P379765	9,44087	9,13244	1,238359333	ENST00000497054	55233	NM_018221	MOB1A
A_33_P3474538	2,23459	1,9262	1,238324999	N/A	7643	NM_007138	ZNF90
A_33_P3351276	5,24046	4,93208	1,238316415	N/A	N/A	N/A	N/A
A_33_P3314356	3,04477	2,73643	1,238282082	ENST00000506423	152926	AF351614	PPM1K
A_33_P3220723	9,78794	9,47961	1,238273499	ENST00000409663	23240	NM_015196	KIAA0922
A_21_P0006290	3,35739	3,04907	1,238264916	N/A	N/A	N/A	Inc-SEMA4D-1
A_33_P3324086	12,3806	12,0723	1,23824775	ENST00000488770	63933	NM_001031713	MCUR1
A_32_P411592	11,9739	11,6657	1,238161925	ENST00000355673	114785	NM_052897	MBD6
A_22_P00004499	3,53472	3,22654	1,23814476	N/A	N/A	N/A	Inc-CPPED1-3
A_22_P00005751	1,75039	1,44223	1,238127596	N/A	N/A	N/A	Inc-EN2-1
A_33_P3788618	5,52704	5,21893	1,238084686	ENST00000340967	340485	NM_001010887	ACER2
A_23_P117506	11,0681	10,7601	1,237990291	ENST00000553986	51635	NM_016029	DHRS7

A_19_P00320721	10,4554	10,1474	1,237990291	ENST00000391947	4194	NM_002393	MDM4
A_21_P0005811	3,54839	3,24046	1,237930225	N/A	N/A	N/A	Inc-DUSP4-2
A_24_P399083	7,92472	7,61682	1,237904483	ENST00000423037	54957	NM_017853	TXNL4B
A_33_P3271051	11,8564	11,5486	1,237818681	ENST00000396741	9265	NM_004227	CYTH3
A_24_P232365	2,85958	2,55181	1,237792941	ENST00000356785	54518	NM_019043	APBB1IP
A_33_P3313532	6,09533	5,78759	1,237767202	ENST00000618763	84210	NM_032250	ANKRD20A1
A_24_P416131	14,3404	14,0327	1,237732885	ENST00000567278	23406	NM_021149	COTL1
A_19_P00321890	5,68563	5,37801	1,237664252	N/A	100272228	N/A	LINC00894
A_23_P34424	2,25405	1,94644	1,237655673	ENST00000506017	9132	NM_004700	KCNQ4
A_33_P3358099	6,63711	6,32953	1,237629937	ENST00000392619	342510	NM_181449	CD300E
A_22_P00014211	6,56369	6,25612	1,237621359	N/A	100874007	NR_046654	VIPR1-AS1
A_33_P3228564	6,65878	6,35136	1,237492687	ENST00000312943	79930	NM_001144875	DOK3
A_24_P128205	10,9466	10,6392	1,237475532	ENST00000431051	5707	NM_002807	PSMD1
A_24_P12281	7,18938	6,88208	1,23738976	ENST00000556232	11154	NM_007077	AP4S1
A_24_P626850	6,08885	5,78159	1,237355453	ENST00000377403	9563	NM_004285	H6PD
A_23_P121447	6,85154	6,5443	1,237338299	ENST00000330368	84517	NM_032487	ACTRT3
A_24_P42501	9,89162	9,58439	1,237329723	ENST00000449612	23597	NM_001037171	ACOT9
A_23_P217109	10,4776	10,1704	1,237303994	ENST00000259392	1318	NM_001860	SLC31A2
A_23_P35609	9,98262	9,67543	1,237295417	ENST00000420761	7390	NM_000375	UROS
A_22_P00001214	6,06483	5,7577	1,237243961	N/A	N/A	BC043518	Inc-ANKRD10-2
A_23_P33856	11,352	11,0449	1,237218233	ENST00000371145	10735	NM_001042749	STAG2
A_23_P15285	11,0862	10,7792	1,237132479	ENST00000564107	79091	NM_024109	METTLL22
A_33_P3312544	4,69311	4,38611	1,237132479	ENST00000381582	2560	AK296023	GABRB1
A_33_P3423590	5,45419	5,14721	1,237115329	N/A	100129275	AK126260	LOC100129275
A_33_P3243692	2,47609	2,16918	1,237055305	ENST00000606225	53944	AB042562	CSNK1G1
A_33_P3219100	12,8719	12,565	1,23704673	ENST00000373605	63905	NM_022077	MANBAL
A_22_P00010132	5,08465	4,77779	1,237012432	N/A	N/A	N/A	Inc-MRPL3-2
A_22_P00013602	3,16801	2,86116	1,237003858	N/A	N/A	BQ922675	Inc-RP11-539E17.5.1-1
A_33_P3313065	3,56809	3,26132	1,236935266	ENST00000373680	392391	NM_001001923	OR5C1
A_21_P0005812	4,35789	4,05112	1,236935266	N/A	N/A	N/A	Inc-DUSP4-3
A_24_P813147	10,2506	9,94392	1,236858104	ENST00000308911	347688	NM_177987	TUBB8
A_33_P3290612	2,14851	1,84183	1,236858104	N/A	N/A	N/A	N/A
A_33_P3362900	6,25371	5,94713	1,236772375	ENST00000611917	375190	NM_001145710	FAM228B

A_33_P3225690	9,67794	9,37137	1,236763802	ENST00000443185	9658	NM_014643	ZNF516
A_21_P0009274	5,27653	4,97009	1,236652364	N/A	N/A	N/A	Inc-MFSD11-2
A_24_P7202	5,89049	5,58406	1,236643792	ENST00000319688	57498	NM_020738	KIDINS220
A_22_P00022774	12,4766	12,1702	1,236618077	ENST00000380728	2874	NM_004489	GPS2
A_23_P57534	7,31551	7,00914	1,236592362	ENST00000403230	10521	NM_006386	DDX17
A_24_P179903	14,0662	13,7599	1,236532364	ENST00000354858	204	NM_001625	AK2
A_33_P3271755	8,82158	8,51531	1,236506651	ENST00000359782	23408	NM_031244	SIRT5
A_23_P128246	7,56871	7,26249	1,236463798	ENST00000552695	11153	NM_007076	FICD
A_24_P345993	7,77206	7,46587	1,236438087	N/A	821	NM_001746	CANX
A_21_P0001581	4,50997	4,20382	1,236403806	N/A	N/A	N/A	Inc-SEMA6C-2
A_21_P0001689	5,47681	5,17067	1,236395236	N/A	149047	NR_027310	MGC27382
A_23_P13183	12,6976	12,3915	1,236360956	ENST00000358681	2132	NM_000401	EXT2
A_22_P00007505	4,18015	3,87408	1,236335247	N/A	N/A	N/A	Inc-GYPA-1
A_23_P119214	10,6515	10,3455	1,236275261	ENST00000595876	10469	NM_006351	TIMM44
A_22_P00023251	2,01601	1,71002	1,236266692	N/A	100652999	NR_046221	LOC100652999
A_32_P110390	8,41055	8,10458	1,236249554	ENST00000287773	134285	NM_173490	TMEM171
A_32_P812268	2,04935	1,74338	1,236249554	ENST00000329905	255022	NM_001001412	CALHM1
A_33_P3222648	11,912	11,6061	1,236189572	ENST00000499879	6789	NM_006282	STK4
A_21_P0000331	5,51175	5,20588	1,236163866	N/A	677825	NR_002976	SNORA44
A_23_P204269	8,49101	8,18514	1,236163866	ENST00000280377	9958	NM_006313	USP15
A_21_P0000674	4,21113	3,90532	1,236112457	ENST00000458670	100289473	NR_037142	LOC100289473
A_33_P3287735	11,8164	11,5106	1,236103889	ENST00000396930	7994	NM_001099412	KAT6A
A_33_P3282898	6,67857	6,37279	1,236086753	ENST00000378192	7094	BC020881	TLN1
A_23_P406986	8,24128	7,93554	1,236052482	ENST00000380492	158747	NM_152581	MOSPD2
A_21_P0007949	1,91348	1,6078	1,236001077	N/A	N/A	N/A	Inc-SCEL-1
A_23_P106016	2,92312	2,61745	1,235992509	ENST00000331968	5587	NM_002742	PRKD1
A_33_P3299898	9,71368	9,40801	1,235992509	ENST00000580501	1517	NR_033407	CTSLP2
A_33_P3316052	5,20725	4,90181	1,235795478	ENST00000380319	11238	N/A	CA5B
A_33_P3316348	6,70908	6,40364	1,235795478	N/A	N/A	N/A	N/A
A_24_P288954	8,8665	8,56112	1,235744084	ENST00000477945	402055	NM_001013694	SRRD
A_23_P335495	5,76856	5,46325	1,235684127	ENST00000487192	50636	NM_001001891	ANO7
A_21_P0014571	2,99746	2,69222	1,235624173	N/A	N/A	AK126526	Inc-NT5DC3-1
A_24_P111134	9,9606	9,65536	1,235624173	ENST00000452340	29954	NM_013382	POMT2

A_32_P212095	4,61202	4,30679	1,235615608	ENST00000590148	284067	NM_001136483	C17orf105
A_21_P0014061	7,06163	6,75646	1,235564221	N/A	400797	XR_241155	LINC00083
A_23_P128375	6,59202	6,28687	1,235547093	ENST00000358906	84915	NM_032829	FAM222A
A_23_P71316	10,3161	10,011	1,235504273	ENST00000522708	11030	NM_001008712	RBPMS
A_33_P3366028	3,62873	3,32375	1,235401511	ENST00000217320	140711	NM_080628	TLDC2
A_23_P76322	5,50596	5,20109	1,23530732	ENST00000546003	5288	NM_004570	PIK3C2G
A_22_P00010508	8,60153	8,29671	1,235264508	ENST00000428035	N/A	N/A	N/A
A_33_P3375910	4,97077	4,666	1,235221698	N/A	N/A	N/A	N/A
A_22_P00018910	3,72067	3,41591	1,235213136	N/A	N/A	N/A	Inc-LAMA1-5
A_23_P114095	7,20579	6,90103	1,235213136	ENST00000379484	51360	NM_015884	MBTPS2
A_33_P3296687	4,79211	4,48747	1,235110398	ENST00000007735	3883	NM_004138	KRT33A
A_33_P3299525	8,83576	8,53117	1,235067593	ENST00000340067	283219	NM_001029859	KCTD21
A_24_P329924	8,44304	8,13848	1,235041911	ENST00000375300	23387	NM_025164	SIK3
A_23_P25097	11,0795	10,775	1,234990548	ENST00000446587	84298	NM_032338	LLPH
A_23_P96641	8,27109	7,9666	1,234981988	ENST00000380668	5634	NM_001039091	PRPS2
A_23_P165414	7,63163	7,32719	1,234939187	ENST00000272797	151230	NM_144711	KLHL23
A_22_P00019232	1,9772	1,67289	1,234827913	N/A	102724153	NR_110552	LOC102724153
A_23_P129188	9,94671	9,64242	1,234810795	ENST00000467889	91860	NM_033429	CALML4
A_21_P0014553	10,1041	9,79982	1,234802236	ENST00000620237	503639	BC013389	DUXAP10
A_23_P319565	7,49002	7,18574	1,234802236	ENST00000374127	267004	NM_170753	PGBD3
A_32_P108655	12,7771	12,4729	1,234733765	ENST00000327299	205	NM_001005353	AK4
A_22_P00008534	1,9463	1,64214	1,234699532	ENST00000556546	N/A	N/A	N/A
A_21_P0005565	7,1189	6,81476	1,234682415	N/A	N/A	N/A	Inc-VKORC1L1-1
A_33_P3287690	5,12681	4,82273	1,234631067	ENST00000551483	4848	AK129966	CNOT2
A_19_P00316415	7,17216	6,86815	1,234571164	N/A	N/A	N/A	Inc-ERP44-3
A_33_P3339311	5,97778	5,67382	1,234528378	ENST00000261396	55746	BX387507	NUP133
A_23_P318039	6,72435	6,42045	1,234477037	ENST00000542068	9125	NM_005444	RQCD1
A_23_P343935	10,0245	9,72063	1,234451367	ENST00000476717	54583	NM_022051	EGLN1
A_32_P230196	6,46447	6,1606	1,234451367	ENST00000413193	642517	NM_001190810	AGAP9
A_22_P00005585	7,33044	7,02657	1,234451367	ENST00000506037	55974	BC069245	SLC50A1
A_23_P15101	6,21242	5,90855	1,234451367	ENST00000574033	79838	NM_024780	TMC5
A_23_P30050	9,08904	8,78522	1,234408584	ENST00000264451	10463	NM_006345	SLC30A9
A_23_P106562	9,00735	8,70354	1,234400028	ENST00000568613	2588	NM_000512	GALNS

A_23_P79942	12,3324	12,0286	1,234391472	ENST00000610179	80025	NM_153638	PANK2
A_23_P91552	2,13281	1,82901	1,234391472	ENST00000397746	10841	NM_206965	FTCD
A_21_P0012676	5,27569	4,97192	1,234365804	ENST00000505994	2713	N/A	GK3P
A_33_P3354771	7,66525	7,36152	1,23433158	ENST00000591566	729991	AK057161	MEF2BNB
A_33_P3415052	12,0974	11,7937	1,234305914	N/A	348938	NM_001172292	NIPAL4
A_21_P0011731	11,0492	10,7455	1,234305914	ENST00000596989	388523	NM_001267716	ZNF728
A_33_P3272808	4,42814	4,12444	1,234305914	ENST00000254630	55037	NM_017952	PTCD3
A_22_P00003043	5,83215	5,52854	1,234228916	ENST00000436714	N/A	N/A	N/A
A_33_P3401317	4,78563	4,48209	1,234169032	N/A	641455	NM_001145442	POTEM
A_33_P3351999	9,13412	8,83068	1,234083489	N/A	N/A	N/A	N/A
A_21_P0014285	8,50965	8,20621	1,234083489	ENST00000550223	100506465	NR_110026	LINC01234
A_23_P202345	8,52231	8,21889	1,234066381	ENST00000373783	84890	NM_032804	ADO
A_22_P00010161	2,27714	1,97374	1,234049273	N/A	101928696	NR_121196	LOC101928696
A_21_P0001011	6,52983	6,22644	1,23404072	N/A	N/A	N/A	Inc-RP3-377D14.1.1-4
A_33_P3329549	9,80506	9,50179	1,233938079	ENST00000543786	64319	NM_001105079	FBRS
A_23_P255916	10,294	9,99075	1,233920973	ENST00000484134	285367	NM_173659	RPUSD3
A_21_P0006511	8,64173	8,3385	1,233903868	N/A	N/A	N/A	Inc-HTR2C-1
A_23_P129221	11,6279	11,3247	1,23387821	ENST00000561421	2184	NM_000137	FAH
A_33_P3839760	13,9074	13,6042	1,23387821	ENST00000485191	55009	NM_017914	C19orf24
A_24_P765552	2,99023	2,68713	1,233792687	N/A	100128644	AY358240	LOC100128644
A_23_P6891	10,4881	10,185	1,233792687	ENST00000232905	10289	NM_005875	EIF1B
A_33_P3379669	7,98776	7,68472	1,233741376	ENST00000392827	727800	NM_031297	RNF208
A_24_P158065	11,178	10,875	1,23370717	ENST00000481407	257415	NM_001040057	FAM133B
A_23_P42829	14,7194	14,4164	1,23370717	ENST00000354725	27044	NM_014390	SND1
A_21_P0000934	2,95257	2,64959	1,233690067	ENST00000421157	100996251	NR_103777	LOC100996251
A_21_P0005919	4,77168	4,46872	1,233672965	N/A	N/A	N/A	Inc-FBXO25-4
A_22_P00006860	1,98484	1,68188	1,233672965	ENST00000380722	100506731	XR_110231	LOC100506731
A_23_P148519	12,4481	12,1453	1,233536154	ENST00000593751	29057	NM_014138	FAM156A
A_21_P0012136	2,37673	2,07398	1,233493403	N/A	N/A	N/A	XL0C_I2_008755
A_23_P110606	8,57456	8,27182	1,233484853	ENST00000292599	9794	NM_014757	MAML1
A_33_P3274618	7,44809	7,14538	1,233459204	ENST00000427210	731275	NR_029401	LINC01347
A_24_P203710	11,8593	11,5566	1,233450654	ENST00000319725	8939	NM_003934	FUBP3
A_23_P97123	6,59034	6,2878	1,233313868	ENST00000604892	84832	NR_026844	ANKRD36BP1

A_21_P0007187	2,03598	1,73346	1,233296771	N/A	N/A	N/A	Inc-ANO5-2
A_21_P0014171	3,84256	3,54005	1,233288222	N/A	81688	XM_005249433	C6orf62
A_23_P123164	4,29316	3,99074	1,233211288	ENST00000496192	89883	NR_002140	OR6W1P
A_23_P390734	9,09531	8,79291	1,233194192	ENST00000229395	26127	NM_015633	FGFR1OP2
A_33_P3356926	6,69523	6,39285	1,233177097	ENST00000513507	10307	NM_133174	APBB3
A_33_P3357651	8,24227	7,94	1,233083075	ENST00000618832	386685	NM_198699	KRTAP10-12
A_33_P3374504	5,41807	5,11585	1,23304034	ENST00000334363	10587	NM_001282512	TXNRD2
A_22_P00002661	2,79317	2,49096	1,233031794	ENST00000577528	100506985	N/A	LOC100506985
A_22_P00000343	3,88747	3,58536	1,232946329	N/A	101928915	XR_242359	LOC101928915
A_33_P3315779	7,49346	7,19137	1,232929237	ENST00000273960	55008	NM_001165136	HERC6
A_22_P00015395	5,66526	5,36318	1,232920691	ENST00000573220	N/A	N/A	N/A
A_21_P0013940	1,94506	1,64313	1,232792509	N/A	N/A	AK304854	N/A
A_23_P202978	13,1462	12,8443	1,232766874	ENST00000534497	834	NM_033292	CASP1
A_33_P3253723	5,74767	5,4458	1,232741239	ENST00000311813	358	NM_198098	AQP1
A_24_P382765	12,277	11,9752	1,232681428	ENST00000401959	4809	NM_005008	NHP2L1
A_33_P3237403	8,12162	7,81991	1,232604531	ENST00000358296	163227	NM_173531	ZNF100
A_23_P104509	5,23871	4,93702	1,232587444	ENST00000494792	9679	NM_014661	FAM53B
A_23_P164468	8,88074	8,57909	1,23255327	ENST00000262198	22850	NM_014913	ADNP2
A_33_P3365845	6,66709	6,36546	1,232536183	N/A	N/A	N/A	N/A
A_33_P3221960	6,72117	6,41955	1,23252764	ENST00000264260	8807	NM_003853	IL18RAP
A_21_P0007902	3,2971	2,99552	1,232493467	ENST00000546180	101927637	N/A	LOC101927637
A_24_P2948	10,212	9,91043	1,232484925	ENST00000462780	23623	NM_014328	RUSC1
A_22_P00016998	6,7406	6,43913	1,232399498	ENST00000454482	257203	NR_026719	DSCR9
A_23_P76159	10,291	9,98956	1,232373871	ENST00000322349	8411	NM_003566	EEA1
A_33_P3299754	7,9666	7,66525	1,232296994	ENST00000423465	22931	NM_001256412	RAB18
A_21_P0008013	4,29289	3,99159	1,232254287	N/A	N/A	N/A	Inc-SLITRK6-12
A_24_P32692	1,95885	1,65756	1,232245746	ENST00000360774	140803	NM_017662	TRPM6
A_21_P0010804	2,2766	1,97536	1,23220304	ENST00000420049	N/A	N/A	N/A
A_33_P3248024	5,7432	5,44198	1,232185958	N/A	285033	NR_046322	STARD7-AS1
A_33_P3252915	8,54978	8,24858	1,232168876	ENST00000498828	9616	NR_037702	RNF7
A_32_P101844	7,77864	7,4775	1,232117633	ENST00000413087	N/A	N/A	N/A
A_33_P3368159	2,36827	2,06714	1,232109093	ENST00000360672	84174	NM_032214	SLA2
A_22_P00018819	2,1088	1,80768	1,232100552	N/A	N/A	N/A	Inc-SPPL3.1-1

A_21_P0011675	13,8938	13,5927	1,232083472	ENST00000431702	N/A	N/A	N/A
A_23_P501849	16,6328	16,3318	1,231998073	ENST00000562879	6137	NM_033251	RPL13
A_22_P00010004	4,91012	4,60919	1,231938298	ENST00000572159	N/A	XR_243721	N/A
A_23_P414211	5,25295	4,95205	1,231912681	ENST00000341640	5078	NM_006193	PAX4
A_21_P0007029	4,7423	4,44141	1,231904142	ENST00000419400	399821	N/A	FLJ37035
A_22_P00012393	1,82842	1,52759	1,231852909	N/A	N/A	N/A	Inc-PRKAG2-1
A_33_P3231086	4,51133	4,21051	1,231844371	N/A	N/A	N/A	N/A
A_23_P76291	9,86773	9,56694	1,231818756	ENST00000539179	11272	NM_007244	PRR4
A_21_P0006876	3,77348	3,4727	1,231810217	N/A	N/A	N/A	Inc-C10orf107-1
A_22_P00007733	4,78892	4,48816	1,231793141	ENST00000522028	N/A	N/A	N/A
A_23_P70688	6,61435	6,31369	1,231707763	ENST00000379953	9450	NM_004271	LY86
A_23_P253932	11,3553	11,0547	1,231656538	ENST00000464668	55179	NM_001033030	FAIM
A_22_P00005871	6,36157	6,06098	1,231648001	N/A	N/A	BX099285	Inc-ESCO1-2
A_23_P24215	7,64377	7,34318	1,231648001	ENST00000225235	23232	NM_015188	TBC1D12
A_23_P30315	12,9065	12,606	1,231571169	ENST00000334421	81786	NM_033342	TRIM7
A_21_P0010061	1,97071	1,67023	1,231554096	N/A	N/A	N/A	Inc-CBLN4-3
A_23_P101342	8,26077	7,9603	1,23154556	ENST00000586417	84971	NM_032885	ATG4D
A_33_P3388618	9,75588	9,45543	1,231528487	ENST00000576812	8711	NM_001251902	TNK1
A_33_P3237413	10,0495	9,74906	1,231519951	N/A	N/A	AK124190	N/A
A_22_P00003927	6,79968	6,49929	1,23147727	N/A	N/A	BC015447	Inc-CETP-1
A_23_P214681	5,0129	4,71254	1,231451663	ENST00000337400	5467	NM_006238	PPARD
A_32_P16489	9,59536	9,295	1,231451663	ENST00000467840	51318	NM_145644	MRPL35
A_23_P142918	7,96529	7,66496	1,231426056	ENST00000319974	205327	NM_153689	C2orf69
A_21_P0004728	2,86464	2,56432	1,23141752	ENST00000491317	221718	NR_027793	LINC00518
A_33_P3213089	6,38829	6,08799	1,231400449	ENST00000565670	N/A	N/A	N/A
A_21_P0004621	5,0215	4,72128	1,231332168	ENST00000440168	N/A	N/A	N/A
A_23_P209320	11,1173	10,8171	1,231315098	ENST00000254657	8864	NM_022817	PER2
A_33_P3395688	7,09844	6,79833	1,231238287	ENST00000380568	100820829	NM_001018100	MYZAP
A_23_P87500	13,8971	13,597	1,231229753	ENST00000548974	29095	NM_014182	ORMDL2
A_33_P3222769	10,2901	9,99	1,231229753	ENST00000301698	388199	NM_001013638	PRR25
A_33_P3292896	7,8891	7,58901	1,231221219	ENST00000463277	94097	NM_144579	SFXN5
A_23_P334990	11,0639	10,7639	1,231144413	ENST00000543473	64426	NM_022491	SUDS3
A_33_P3377391	3,94836	3,64836	1,231144413	ENST00000564843	101928611	NR_120337	LINC01413



A_33_P3248615	7,61794	7,31795	1,23113588	N/A	N/A	N/A	N/A
A_21_P0006931	1,94044	1,64051	1,231084679	N/A	N/A	N/A	Inc-GPR26-3
A_24_P380919	13,3134	13,0135	1,23105908	ENST00000351839	3190	NM_002140	HNRNPK
A_33_P3299781	9,17779	8,87791	1,231042014	ENST00000380201	65992	N/A	DDR GK1
A_24_P417352	2,67313	2,37327	1,231024948	ENST00000610838	102725284	BX161420	LOC102725284
A_21_P0013258	3,78003	3,48019	1,231007883	N/A	N/A	N/A	XLOC_I2_013532
A_24_P254965	8,81665	8,51684	1,230982285	ENST00000412342	55869	NM_018486	HDAC8
A_33_P3378412	2,93298	2,63318	1,230973752	N/A	N/A	N/A	N/A
A_23_P91250	8,848	8,54824	1,230939623	ENST00000347606	55713	NM_001270497	ZNF334
A_23_P147199	9,41886	9,11914	1,230905495	ENST00000465539	10778	NR_024565	ZNF271P
A_22_P00021833	4,34297	4,04327	1,230888431	ENST00000434663	2934	AK125819	GSN
A_24_P942370	5,97672	5,67708	1,230837241	ENST00000548729	8693	NM_003774	GALNT4
A_33_P3287105	7,05812	6,7585	1,230820178	N/A	N/A	N/A	N/A
A_23_P58466	13,4827	13,1831	1,230803115	ENST00000380707	6606	NM_000344	SMN1
A_21_P0002441	3,88014	3,58056	1,230786053	N/A	N/A	N/A	Inc-C2orf63-1
A_24_P34155	6,93259	6,63305	1,230751928	ENST00000479325	861	NM_001122607	RUNX1
A_33_P3394198	10,0673	9,76777	1,230743397	ENST00000373228	2356	NM_001018078	FPGS
A_23_P77661	9,58987	9,29047	1,230632501	ENST00000542684	124411	NM_001130913	ZNF720
A_21_P0000161	8,30107	8,00169	1,230615441	N/A	79650	NM_001204911	USB1
A_22_P00025031	1,91408	1,61475	1,230572792	ENST00000412722	N/A	N/A	N/A
A_22_P00007110	2,78863	2,4893	1,230572792	N/A	N/A	N/A	Inc-GLTP-1
A_22_P00003119	2,8278	2,52858	1,230478969	N/A	100506599	N/A	PPP1R26-AS1
A_22_P00000102	14,825	14,5258	1,230461911	ENST00000520619	641638	NR_002599	SNHG6
A_33_P3324228	3,32165	3,02247	1,230444853	ENST00000600892	732275	N/A	LINC00917
A_22_P00011182	4,37063	4,07153	1,230376625	N/A	102723466	XR_424708	LOC102723466
A_33_P3279431	9,87926	9,5802	1,230342512	ENST00000225724	9527	NM_001007024	GOSR1
A_23_P77993	3,91914	3,62009	1,230333984	ENST00000253407	10882	AF095154	C1QL1
A_33_P3258712	7,75921	7,46018	1,230316928	N/A	101928000	XR_243583	LOC101928000
A_21_P0012576	2,0534	1,75445	1,230248707	ENST00000503017	N/A	N/A	N/A
A_33_P3337019	9,83646	9,53761	1,230163435	N/A	728975	XR_247237	LOC728975
A_23_P28068	8,97785	8,67921	1,229984385	ENST00000361619	84705	NM_133644	GTPBP3
A_21_P0001781	2,0798	1,78116	1,229984385	ENST00000435411	101927156	XR_241361	LOC101927156
A_33_P3394075	6,23573	5,93711	1,229967334	ENST00000368323	6016	NM_006912	RIT1

A_22_P00009933	2,06344	1,76486	1,229933232	ENST00000476130	N/A	N/A	N/A
A_24_P419177	5,86868	5,57015	1,229890607	ENST00000264447	27332	NM_014497	ZNF638
A_23_P68087	11,6767	11,3782	1,229865032	ENST00000479093	471	NM_004044	ATIC
A_22_P00009162	6,95129	6,65279	1,229865032	ENST00000341547	4008	NM_005358	LMO7
A_21_P0013178	3,96005	3,66162	1,22980536	N/A	102659288	N/A	LOC102659288
A_21_P0002442	2,23194	1,93363	1,229703072	N/A	N/A	N/A	Inc-FANCL-2
A_22_P00011391	5,65417	5,35595	1,229626362	N/A	728448	NR_003929	PPIEL
A_33_P3373892	8,58823	8,29009	1,229558179	ENST00000376040	60560	AK056059	NAA35
A_23_P150325	8,57198	8,2739	1,229507044	ENST00000303130	83935	NM_032021	TMEM133
A_23_P125705	1,89981	1,60173	1,229507044	ENST00000373517	4674	NM_021963	NAP1L2
A_21_P0008913	4,31133	4,01328	1,229481477	ENST00000567395	N/A	N/A	N/A
A_22_P00017888	6,84175	6,5437	1,229481477	N/A	N/A	N/A	Inc-ZFAT-3
A_22_P00004696	5,44341	5,1454	1,229447389	ENST00000617875	9401	NM_004260	RECQL4
A_23_P211227	7,5096	7,21168	1,229370695	ENST00000615172	23275	NM_133635	POFUT2
A_24_P56689	8,6091	8,31131	1,229259922	ENST00000219091	7755	NM_003456	ZNF205
A_33_P3228609	6,54025	6,24252	1,2292088	ENST00000444323	440894	NR_046110	LINC01123
A_23_P145153	11,3558	11,0581	1,229183239	ENST00000539212	5134	NM_002598	PDCD2
A_22_P00022579	4,54715	4,24952	1,2291236	ENST00000506911	N/A	N/A	N/A
A_22_P00024203	4,14845	3,85084	1,229106561	N/A	N/A	N/A	Inc-USP31-1
A_23_P146084	10,3809	10,0833	1,229098042	ENST00000221130	2936	NM_000637	GSR
A_33_P3406866	6,4759	6,17842	1,228995812	ENST00000404907	23114	NM_001005388	NFASC
A_21_P0001037	5,18987	4,89244	1,228953219	ENST00000444887	N/A	N/A	N/A
A_19_P00318775	3,15453	2,85714	1,228919146	ENST00000553416	348120	N/A	LINC01193
A_21_P0003219	6,91744	6,62008	1,228893592	N/A	N/A	N/A	Inc-OXNAD1-1
A_23_P323783	9,27521	8,97785	1,228893592	ENST00000279068	149986	NM_144703	LSM14B
A_21_P0000243	8,28716	7,98992	1,228791379	N/A	26807	NR_002439	SNORD43
A_33_P3320079	7,60145	7,30421	1,228791379	ENST00000380953	4781	NM_005596	NFIB
A_21_P0014633	4,71153	4,41436	1,22873176	ENST00000432038	100505824	XR_111915	LOC100505824
A_21_P0010713	4,81437	4,51721	1,228723243	N/A	N/A	N/A	Inc-PROK1-1
A_24_P365901	5,86521	5,56805	1,228723243	ENST00000486685	340348	NM_178562	TSPAN33
A_19_P00322599	8,78029	8,48321	1,22865511	ENST00000406486	85379	NM_001145206	KIAA1671
A_33_P3229472	4,08142	3,78443	1,228578465	ENST00000619191	387273	NM_001012710	KRTAP5-10
A_21_P0011394	3,0836	2,78665	1,228544402	ENST00000524476	440248	N/A	HERC2P9

A_22_P00014648	2,29552	1,99858	1,228535886	N/A	101929330	XR_242525	LOC101929330
A_33_P3416762	12,955	12,6581	1,228501824	ENST00000618741	10434	NM_006330	LYPLA1
A_21_P0008232	2,26607	1,96925	1,228433704	N/A	N/A	N/A	Inc-TNFRSF19-1
A_24_P310616	10,4647	10,1679	1,228416674	ENST00000445167	7355	NM_001042498	SLC35A2
A_33_P3229177	13,2197	12,9231	1,228246391	ENST00000473023	56655	NM_019896	POLE4
A_22_P00012477	6,26524	5,96865	1,228237877	ENST00000454232	401052	NM_001008737	LOC401052
A_23_P79628	9,84518	9,54859	1,228237877	ENST00000488687	23198	NM_014614	PSME4
A_24_P144620	8,01276	7,71629	1,22813572	ENST00000546650	729515	NM_018452	TMEM242
A_33_P3291619	5,34776	5,05132	1,228110182	ENST00000399868	399715	NR_040079	LOC399715
A_33_P3412384	2,69575	2,39936	1,228067619	ENST00000622511	4583	NM_002457	MUC2
A_22_P00011835	4,50483	4,20845	1,228059107	ENST00000559030	N/A	BX537873	N/A
A_23_P350172	9,99075	9,69439	1,228042083	ENST00000299563	254225	NM_001098638	RNF169
A_22_P00018579	7,35287	7,05655	1,228008035	ENST00000429099	N/A	N/A	N/A
A_33_P3267208	8,34869	8,05241	1,227973987	ENST00000303052	53944	NM_022048	CSNK1G1
A_23_P13271	4,30071	4,00443	1,227973987	ENST00000527486	N/A	N/A	N/A
A_24_P330303	11,9926	11,6964	1,227905896	ENST00000557522	122786	NM_001042481	FRMD6
A_23_P32785	8,60282	8,30663	1,227897385	ENST00000318887	285237	NM_173824	C3orf38
A_33_P3307144	2,75693	2,46076	1,227880363	ENST00000487161	2898	NM_021956	GRIK2
A_33_P3276784	5,43979	5,14366	1,227846319	ENST00000623013	N/A	N/A	N/A
A_32_P516342	7,30672	7,01065	1,227795255	ENST00000548383	341405	NM_182608	ANKRD33
A_23_P406105	14,1444	13,8484	1,227735684	ENST00000300648	10985	NM_006836	GCN1L1
A_32_P69930	9,03768	8,7417	1,227718664	ENST00000310085	257236	NM_153376	CCDC96
A_23_P6869	7,9189	7,62292	1,227718664	ENST00000266025	11070	NM_007024	TMEM115
A_33_P3294509	15,0937	14,7978	1,227650587	ENST00000263398	960	NM_000610	CD44
A_23_P164284	13,5241	13,2283	1,227565495	ENST00000397317	1366	NM_001307	CLDN7
A_24_P110914	10,8524	10,5566	1,227565495	N/A	100190939	NR_024458	TPT1-AS1
A_21_P0013234	10,0267	9,73091	1,227556987	N/A	N/A	N/A	XLOC_I2_013460
A_19_P00806193	3,00122	2,70543	1,227556987	N/A	N/A	N/A	Inc-IL6-3
A_24_P826485	6,62374	6,32803	1,227488918	N/A	N/A	AF034176	Inc-HMGA1-3
A_33_P3396891	12,2177	11,922	1,22748041	ENST00000370626	60370	NM_021732	AVPI1
A_33_P3839820	2,07644	1,78074	1,22748041	ENST00000589708	101928538	XR_243761	LOC101928538
A_33_P3282394	12,5012	12,2055	1,22748041	ENST00000252674	4298	NM_005934	MLLT1
A_24_P145122	8,48939	8,19375	1,227429362	ENST00000367142	64710	NM_022731	NUCKS1

A_33_P3248664	11,683	11,3874	1,22739533	ENST00000211402	7407	NM_006295	VAR5
A_33_P3359900	9,49198	9,19641	1,227369808	ENST00000303221	133418	NM_198449	EMB
A_21_P0012119	3,33906	3,04358	1,227293243	N/A	N/A	N/A	XLOC_I2_008622
A_21_P0010516	1,9486	1,65327	1,227165645	N/A	N/A	N/A	XLOC_I2_000080
A_33_P3377786	7,17013	6,87484	1,227131621	N/A	N/A	BC031259	N/A
A_32_P12610	8,04756	7,75233	1,227080588	ENST00000471343	1876	NM_198256	E2F6
A_24_P15621	10,799	10,5039	1,226970021	ENST00000431994	386757	NR_003083	SLC6A10P
A_21_P0008254	5,8971	5,60205	1,226927499	N/A	N/A	N/A	Inc-LCP1-1
A_33_P3243502	6,26046	5,96542	1,226918994	ENST00000544461	729732	NR_047662	LOC729732
A_33_P3415395	7,17674	6,8817	1,226918994	ENST00000434210	55304	NM_018327	SPTLC3
A_21_P0000656	2,44062	2,14561	1,226893481	ENST00000585044	79415	NR_036519	C17orf62
A_21_P0005785	7,88178	7,58681	1,226859465	N/A	N/A	N/A	Inc-ERICH1-5
A_22_P00004867	1,99614	1,70123	1,226808443	ENST00000523769	N/A	XR_113143	N/A
A_24_P194881	8,08968	7,79478	1,226799939	N/A	85358	NM_033517	SHANK3
A_22_P00000870	5,05041	4,75552	1,226791436	N/A	N/A	N/A	Inc-AGRP-3
A_21_P0003249	2,21573	1,92087	1,226765925	N/A	N/A	N/A	Inc-MCM2-1
A_24_P159036	17,2687	16,9739	1,226714907	ENST00000298289	6166	NM_001001	RPL36AL
A_33_P3371889	2,34847	2,05371	1,226680895	ENST00000261402	9891	NM_014840	NUAK1
A_33_P3343526	2,45148	2,15675	1,226655388	ENST00000279791	390162	NM_001004743	OR5M9
A_21_P0004507	4,0661	3,77138	1,226646885	N/A	N/A	N/A	Inc-PIK3R1-1
A_22_P00020797	2,03133	1,73666	1,226604373	N/A	N/A	N/A	Inc-TMEM126B-2
A_22_P00000221	4,24212	3,94747	1,226587369	N/A	102724366	XR_424793	LOC102724366
A_21_P0010823	2,28874	1,99411	1,226570365	N/A	N/A	N/A	XLOC_I2_001569
A_33_P3353190	5,50946	5,21489	1,226519355	N/A	101930611	XR_250546	LOC101930611
A_22_P00024000	3,09559	2,80105	1,22649385	ENST00000553644	N/A	N/A	N/A
A_23_P385034	10,5412	10,2467	1,226459845	ENST00000535432	1871	NM_001949	E2F3
A_21_P0009975	3,30329	3,00887	1,226391838	N/A	N/A	N/A	Inc-MOCS3-3
A_33_P3377269	3,08383	2,78942	1,226383337	N/A	N/A	N/A	N/A
A_21_P0007545	7,6213	7,32689	1,226383337	N/A	N/A	N/A	Inc-ARID2-3
A_21_P0009795	7,23716	6,94278	1,226357835	N/A	N/A	N/A	Inc-EPN1-1
A_33_P3214436	4,68222	4,38794	1,226272833	ENST00000367518	116461	NR_023349	TSEN15
A_23_P211806	12,096	11,8018	1,226204836	ENST00000460646	9209	NM_017724	LRRFIP2
A_23_P108823	6,20753	5,91339	1,226153841	ENST00000315022	114880	NM_032523	OSBPL6

A_21_P0000581	7,23329	6,93918	1,226128344	ENST00000610690	728407	NR_029388	PARGP1
A_23_P83923	10,586	10,2919	1,226119845	ENST00000306562	79894	NM_024836	ZNF672
A_33_P3244013	6,29726	6,00316	1,226119845	ENST00000434381	10529	NM_006393	NEBL
A_23_P139297	12,268	11,9739	1,226119845	ENST00000299413	54765	NM_017583	TRIM44
A_21_P0000039	8,5211	8,22701	1,226111346	ENST00000519857	23259	NM_001164234	DDHD2
A_23_P115316	10,304	10,01	1,22603486	ENST00000367627	64222	NM_022371	TOR3A
A_33_P3339731	3,27136	2,9774	1,226000868	N/A	100131170	AK098403	LOC100131170
A_33_P3279610	5,69791	5,40397	1,225983872	ENST00000287490	1339	NM_005205	COX6A2
A_33_P6805502	4,1102	3,81633	1,225924388	ENST00000436546	388387	NR_027254	LINC00671
A_22_P00010463	4,34318	4,04936	1,225881902	N/A	N/A	N/A	Inc-NAIF1-1
A_23_P92042	6,25996	5,96619	1,225839416	ENST00000443694	3708	NM_002222	ITPR1
A_23_P204609	10,1595	9,86576	1,225813926	ENST00000261219	55591	NM_017599	VEZT
A_21_P0007622	2,19053	1,89682	1,225788436	N/A	N/A	N/A	Inc-ASCL4-1
A_32_P16258	8,93995	8,64632	1,225720466	ENST00000272427	23233	XM_005264223	EXOC6B
A_23_P323563	11,0227	10,7291	1,225694978	ENST00000409797	64857	NM_022835	PLEKHG2
A_23_P29555	14,4911	14,1975	1,225694978	ENST00000479868	6396	NM_183352	SEC13
A_33_P3380346	7,56322	7,26974	1,225593032	ENST00000382888	7468	NM_133330	WHSC1
A_33_P3371785	8,16285	7,86954	1,225448623	ENST00000315456	1837	NM_001128175	DTNA
A_23_P111753	13,868	13,5747	1,225440129	ENST00000432845	64983	NM_031903	MRPL32
A_23_P139143	9,26847	8,97518	1,225431634	ENST00000300150	6809	NM_004177	STX3
A_33_P3348395	1,86869	1,57541	1,22542314	N/A	101929469	XM_005253817	LOC101929469
A_22_P00019728	1,64841	1,35516	1,225397659	N/A	N/A	BG198323	Inc-FLRT1-1
A_23_P501745	9,15089	8,8577	1,225346697	ENST00000447513	5192	NM_153818	PEX10
A_23_P500381	10,068	9,77483	1,22532971	ENST00000336152	3363	NM_019859	HTR7
A_22_P00007667	2,81018	2,51704	1,22530423	ENST00000502101	N/A	N/A	N/A
A_24_P12626	16,1905	15,8975	1,225185332	ENST00000451122	857	NM_001753	CAV1
A_33_P3316379	13,5391	13,2461	1,225185332	N/A	N/A	N/A	N/A
A_32_P54544	14,3304	14,0375	1,225100411	ENST00000419314	908	NM_001762	CCT6A
A_23_P66421	11,6238	11,3312	1,224845685	ENST00000583834	26151	NM_015654	NAT9
A_22_P00022179	4,76068	4,46817	1,224769278	ENST00000477754	9181	N/A	ARHGEF2
A_22_P00000195	4,52815	4,2357	1,224718342	N/A	N/A	N/A	Inc-ABI3-1
A_22_P00025138	5,7093	5,41686	1,224709853	ENST00000565136	N/A	DB049433	N/A
A_22_P00000659	2,25795	1,96551	1,224709853	N/A	N/A	N/A	Inc-ACTL7B-1

A_22_P00005284	2,26744	1,97501	1,224701364	ENST00000418387	N/A	N/A	N/A
A_23_P218770	14,004	13,7116	1,224675898	ENST00000249071	5880	NM_002872	RAC2
A_22_P00011189	4,14379	3,85143	1,224641943	N/A	N/A	N/A	Inc-OIT3-2
A_23_P202408	8,71507	8,42274	1,224616477	ENST00000480158	26091	NM_001278185	HERC4
A_33_P3392677	8,86872	8,5764	1,224607989	N/A	N/A	N/A	N/A
A_23_P412409	11,6598	11,3675	1,224591012	ENST00000338920	23215	NM_015172	PRRC2C
A_32_P23795	11,2078	10,9155	1,224591012	N/A	N/A	N/A	XLOC_I2_010916
A_21_P0000472	7,40008	7,10781	1,224565548	ENST00000582588	100124516	NR_003701	SNORD58C
A_32_P18824	13,6567	13,3645	1,224506133	ENST00000394689	29117	NM_013263	BRD7
A_33_P3309636	13,362	13,0698	1,224506133	ENST00000228136	10944	NM_014267	C11orf58
A_24_P20383	8,9009	8,60872	1,224489158	ENST00000467289	10093	NM_005718	ARPC4
A_22_P00020703	3,68801	3,39591	1,22442126	N/A	N/A	N/A	Inc-GPR101-1
A_21_P0000335	6,83786	6,54585	1,224344879	ENST00000484998	677831	NR_002981	SNORA51
A_33_P3217704	9,0596	8,76763	1,224310933	ENST00000378566	80256	NM_025182	FAM214B
A_22_P00007557	3,57423	3,28233	1,224251531	ENST00000523792	N/A	BC041064	N/A
A_33_P3318368	4,09386	3,80197	1,224243045	ENST00000512714	285489	NM_001301071	DOK7
A_21_P0009758	5,10871	4,81684	1,224226073	N/A	N/A	N/A	Inc-C19orf12-1
A_22_P00007367	2,72282	2,43095	1,224226073	ENST00000430542	N/A	N/A	N/A
A_22_P00011073	5,30248	5,01068	1,224166675	N/A	N/A	N/A	Inc-NUB1-1
A_23_P71591	12,6489	12,3571	1,224166675	ENST00000544867	55035	NM_017948	NOL8
A_22_P00017579	2,86253	2,57076	1,22414122	N/A	N/A	BG184928	Inc-WDR67-1
A_33_P3317752	5,24306	4,95134	1,224098795	ENST00000621138	100132476	NM_033061	KRTAP4-7
A_33_P3255131	6,90365	6,61195	1,224081825	ENST00000304372	146212	NM_001100915	KCTD19
A_21_P0000252	9,80783	9,51615	1,224064856	ENST00000487034	606500	NR_002450	SNORD68
A_23_P359457	2,96769	2,67609	1,223996981	ENST00000570791	146754	NM_001303270	DNAH2
A_33_P3318187	10,3446	10,053	1,223996981	ENST00000567035	92806	NM_145039	CENPBD1
A_24_P101047	3,7691	3,47756	1,223946078	ENST00000370733	57691	NM_020931	KIAA1586
A_33_P3228642	6,34787	6,05638	1,22390366	ENST00000594993	N/A	XM_005258631	N/A
A_23_P59528	10,7584	10,467	1,223827311	ENST00000479853	57001	NM_020186	ACN9
A_22_P00005720	10,2801	9,98883	1,223717038	N/A	N/A	N/A	Inc-ELTD1-6
A_21_P0009195	6,64619	6,35496	1,22368311	N/A	N/A	N/A	Inc-PHB-2
A_23_P162879	12,6553	12,3641	1,223657664	ENST00000489117	84334	NM_032374	APOPT1
A_32_P108474	9,3662	9,07506	1,223606775	ENST00000296577	6059	NM_002940	ABCE1

A_33_P3375170	3,80449	3,51336	1,223598294	N/A	100131242	AK124483	LOC100131242
A_22_P00009529	3,64096	3,34985	1,223581331	ENST00000440955	101927501	NR_110387	LOC101927501
A_22_P00021287	2,52546	2,2344	1,223538926	ENST00000366308	255654	N/A	LOC255654
A_32_P93187	7,97736	7,6863	1,223538926	ENST00000573479	8467	NM_003601	SMARCA5
A_21_P0011318	1,94374	1,65269	1,223530445	N/A	N/A	N/A	XLOC_I2_004640
A_22_P00017637	2,06265	1,77171	1,223437159	ENST00000531538	N/A	AA444375	N/A
A_24_P98975	10,5002	10,2093	1,223403238	ENST00000553251	88455	NM_033121	ANKRD13A
A_23_P64785	8,41413	8,12337	1,223284524	ENST00000547026	121274	NM_152320	ZNF641
A_21_P0013931	4,11918	3,82843	1,223276045	N/A	N/A	N/A	N/A
A_21_P0009475	5,65092	5,36021	1,223242129	N/A	N/A	N/A	Inc-KATNAL2-1
A_24_P208081	1,86619	1,57548	1,223242129	ENST00000375102	64600	NM_022819	PLA2G2F
A_19_P00321183	8,30542	8,01473	1,223225172	N/A	N/A	BX648855	Inc-LRIG2-4
A_23_P394605	8,99552	8,70487	1,223191257	ENST00000398844	10802	NM_021982	SEC24A
A_33_P3262449	1,98042	1,68981	1,223157343	ENST00000566571	283685	XM_002343322	GOLGA6L2
A_23_P28105	10,0183	9,72779	1,223072564	ENST00000498545	7247	NM_004622	TSN
A_33_P3283485	4,98083	4,69035	1,223047131	N/A	N/A	XR_109251	N/A
A_21_P0006426	2,9595	2,66905	1,223021699	N/A	101928345	N/A	PABPC1L2B-AS1
A_33_P3246715	4,66583	4,37541	1,222996267	ENST00000602548	441495	NR_033773	CENPVP2
A_33_P3218252	11,9757	11,6853	1,222979313	ENST00000381231	23049	NM_015092	SMG1
A_33_P3349727	4,7249	4,43454	1,222945405	N/A	N/A	N/A	N/A
A_22_P00022564	5,42122	5,13087	1,222936928	ENST00000520603	N/A	BG182387	N/A
A_33_P3604591	5,08244	4,79211	1,222919975	N/A	677844	AI271839	SNORA78
A_23_P98282	9,44669	9,15647	1,222826735	ENST00000529997	6712	NM_006946	SPTBN2
A_33_P3235975	10,086	9,79582	1,222792832	ENST00000514908	84303	NM_032343	CHCHD6
A_21_P0002676	2,461	2,17085	1,222767405	N/A	N/A	N/A	Inc-MKI67IP-1
A_23_P86801	3,96679	3,67664	1,222767405	ENST00000352508	5913	NM_032645	RAPSN
A_23_P374322	5,594	5,30388	1,222741978	ENST00000441843	144811	NM_153218	LACC1
A_23_P336015	9,27136	8,98127	1,222716552	ENST00000327044	26155	NM_015658	NOC2L
A_21_P0006774	2,01539	1,72536	1,222665702	ENST00000421256	N/A	N/A	N/A
A_21_P0003842	3,48788	3,19792	1,222606379	ENST00000508099	101929448	N/A	LOC101929448
A_33_P3280681	6,55097	6,26103	1,222589431	ENST00000610314	114823	XM_005277062	LENG8
A_33_P3296442	9,59704	9,30722	1,222487743	ENST00000554755	N/A	N/A	N/A
A_23_P28263	14,9895	14,6997	1,222470796	ENST00000273062	58190	NM_021198	CTDSP1

A_33_P3381771	10,3708	10,081	1,222470796	ENST00000268719	79018	NM_024052	GID4
A_22_P00018284	5,82756	5,53778	1,222453849	N/A	N/A	N/A	Inc-ZNF8-1
A_32_P79115	6,62307	6,33333	1,222419955	N/A	N/A	N/A	N/A
A_22_P00016297	7,32959	7,03988	1,222394536	ENST00000536505	N/A	BI754073	N/A
A_23_P163639	12,2887	11,999	1,222386063	ENST00000301030	29123	NM_013275	ANKRD11
A_33_P3223121	6,36084	6,07128	1,222267448	ENST00000342645	28996	NM_001113239	HIPK2
A_23_P77437	6,6336	6,34407	1,222242032	ENST00000566687	54496	NM_019023	PRMT7
A_23_P348138	8,61183	8,32231	1,22223356	ENST00000407029	57591	NM_020831	MKL1
A_33_P3288754	13,7586	13,4691	1,222216616	ENST00000391812	84798	NM_001290149	C19orf48
A_33_P3329784	9,04794	8,75847	1,222191201	ENST00000439231	23141	NM_015114	ANKLE2
A_33_P3369956	9,59648	9,30703	1,222174258	ENST00000382686	11273	NM_148416	ATXN2L
A_23_P18384	8,9197	8,63028	1,222148844	ENST00000471453	25852	NM_213654	ARMC8
A_22_P00018974	2,10518	1,81576	1,222148844	N/A	N/A	CB243907	Inc-C12orf66-1
A_23_P217015	11,8193	11,5299	1,222131902	ENST00000477806	6418	NM_003011	SET
A_22_P00003897	4,01461	3,72522	1,22212343	N/A	N/A	BX361500	Inc-CEP41-1
A_33_P3245824	11,8171	11,5278	1,222047193	ENST00000466449	80148	NM_025078	PQLC1
A_21_P0014079	5,53713	5,24783	1,222047193	ENST00000476966	10485	AK095626	C1orf61
A_21_P0012458	5,91926	5,62998	1,222030252	N/A	100506990	NR_040092	LOC100506990
A_23_P143650	5,75746	5,46829	1,22193708	ENST00000407308	150290	NM_152511	DUSP18
A_33_P3281224	2,00901	1,71989	1,221894732	ENST00000532644	N/A	N/A	N/A
A_23_P70719	5,6708	5,38168	1,221894732	ENST00000618192	3908	NM_000426	LAMA2
A_23_P370434	15,3313	15,0422	1,221877793	ENST00000225698	708	NM_001212	C1QBP
A_24_P211044	5,77052	5,48145	1,221852385	ENST00000453363	1442	NM_001317	CSH1
A_22_P00006959	2,65149	2,36247	1,221810039	ENST00000505200	N/A	N/A	N/A
A_21_P0004409	2,58063	2,29168	1,221750758	N/A	N/A	N/A	Inc-ZNF366-3
A_33_P3331193	2,70155	2,41264	1,221716885	ENST00000390605	N/A	DQ926483	N/A
A_23_P83917	9,96271	9,67385	1,221674544	ENST00000526258	22992	NM_012308	KDM2A
A_24_P21447	9,03217	8,74332	1,221666076	ENST00000372022	6838	NM_006753	SURF6
A_33_P3281765	2,47752	2,18868	1,221657608	N/A	N/A	N/A	N/A
A_21_P0002627	3,39652	3,1077	1,221640672	N/A	N/A	N/A	Inc-SPAG16-1
A_22_P00023691	2,11288	1,82414	1,221572932	ENST00000504799	N/A	N/A	N/A
A_19_P00320989	6,01253	5,72379	1,221572932	N/A	100272228	NR_027456	LINC00894
A_21_P0011336	4,67459	4,38586	1,221564465	ENST00000617986	440300	NR_033738	LOC440300



A_24_P74932	14,2872	13,9985	1,221539063	ENST00000376322	5355	NM_002668	PLP2
A_33_P3311911	2,10066	1,81198	1,221522129	N/A	N/A	N/A	N/A
A_23_P154539	13,4648	13,1763	1,221369734	ENST00000266079	24148	NM_012469	PRPF6
A_22_P00016876	5,50681	5,21833	1,221352802	ENST00000607312	400128	NR_104174	TUSC8
A_33_P3491294	10,2673	9,97897	1,221225822	ENST00000563145	51005	NM_015944	AMDHD2
A_33_P3299665	4,98382	4,69557	1,221158105	N/A	100505530	N/A	LOC100505530
A_23_P69988	13,8244	13,5362	1,221115784	ENST00000520013	5917	NM_002887	RARS
A_33_P3227212	3,97107	3,68287	1,221115784	N/A	N/A	N/A	N/A
A_33_P3208966	4,1157	3,82751	1,221107319	ENST00000600605	N/A	AY513606	N/A
A_23_P408095	15,5027	15,2146	1,221031145	ENST00000474024	11034	NM_001011546	DSTN
A_22_P00006670	5,25442	4,96633	1,221022682	ENST00000425554	102723924	N/A	LOC102723924
A_33_P3371402	5,87011	5,58211	1,220946513	ENST00000593346	100132967	NR_027401	FAM223A
A_33_P3239367	5,67045	5,38251	1,220895736	ENST00000366704	84033	BC043916	OBSCN
A_32_P226078	4,84582	4,55792	1,220861886	ENST00000321531	51686	NM_016178	OAZ3
A_33_P3352772	1,8505	1,56262	1,220844961	ENST00000335021	245910	NM_001037668	DEFB107A
A_22_P00023852	1,94778	1,65991	1,220836499	ENST00000420710	N/A	N/A	N/A
A_22_P00013789	2,1024	1,81457	1,220802651	N/A	N/A	N/A	Inc-RP1L1-4
A_33_P3273664	5,97967	5,692	1,220667267	ENST00000513814	153642	NM_198150	ARSK
A_22_P00002719	3,38781	3,10018	1,220633423	N/A	N/A	N/A	Inc-C20orf202-1
A_23_P212042	4,339	4,05139	1,220616502	ENST00000296350	4241	NM_005929	MFI2
A_24_P414376	12,4989	12,2115	1,220438841	ENST00000261438	51274	NM_016531	KLF3
A_24_P94054	11,0704	10,783	1,220438841	ENST00000372806	6789	NM_006282	STK4
A_33_P3402035	11,5692	11,2818	1,220438841	ENST00000262395	9618	NM_004295	TRAF4
A_24_P93206	3,91738	3,63013	1,220311956	ENST00000615704	388021	NM_001286390	TMEM179
A_22_P00004509	2,0629	1,77568	1,22028658	N/A	N/A	N/A	Inc-CPT2-4
A_33_P3256282	5,07097	4,78378	1,220261206	ENST00000391621	386679	AB528847	KRTAP10-2
A_23_P136232	9,45237	9,16519	1,220252747	ENST00000262644	54928	NM_017813	IMPAD1
A_33_P3272962	2,08953	1,80242	1,220193542	ENST00000334391	245939	NM_001037732	DEFB128
A_33_P3294017	10,4045	10,1174	1,220185084	N/A	3183	NM_031314	HNRNPC
A_23_P215566	13,3979	13,1108	1,220185084	ENST00000242057	196	NM_001621	AHR
A_21_P0011859	5,15772	4,87065	1,220159711	N/A	N/A	N/A	XL0C_I2_007586
A_33_P3415345	6,23985	5,9528	1,220142796	ENST00000496244	57679	NM_001135745	ALS2
A_23_P210643	12,6274	12,3404	1,22010051	ENST00000344018	51497	NM_198976	NELFCD

A_33_P3265467	1,67154	1,38461	1,220041312	ENST00000374375	N/A	BC085019	N/A
A_24_P317835	11,1234	10,8365	1,220015942	ENST00000371712	56623	NM_019892	INPP5E
A_22_P00008555	5,66884	5,38228	1,219728455	N/A	N/A	N/A	Inc-KCNMB2-7
A_21_P0008086	2,08417	1,79766	1,219686183	N/A	N/A	N/A	Inc-NDFIP2-2
A_21_P0009566	2,28588	1,99944	1,219627005	N/A	N/A	N/A	Inc-RNF152-1
A_22_P00009231	3,29687	3,01046	1,219601644	ENST00000438818	101929535	XR_242017	LOC101929535
A_33_P3399172	9,21034	8,92397	1,21956783	ENST00000411545	N/A	N/A	N/A
A_21_P0007458	7,68539	7,39908	1,21951711	N/A	N/A	N/A	Inc-ZBED5-1
A_22_P00012581	5,39743	5,11135	1,219322706	N/A	N/A	N/A	Inc-PTPN14-1
A_22_P00014026	5,16542	4,87939	1,219280448	ENST00000478745	N/A	N/A	N/A
A_23_P156156	11,3148	11,0288	1,219255094	ENST00000507402	84240	NM_032280	ZCCHC9
A_33_P3304883	3,97847	3,6925	1,219229741	N/A	100131372	XR_171616	LOC100131372
A_33_P3400547	11,2437	10,9578	1,219170585	ENST00000282892	9412	NM_004264	MED21
A_22_P00018132	7,12133	6,83559	1,219035382	N/A	N/A	N/A	Inc-ZNF503-2
A_22_P00009378	5,21861	4,93287	1,219035382	ENST00000522975	N/A	BG531614	N/A
A_23_P218282	9,62952	9,34391	1,218925541	ENST00000576500	54925	NM_017810	ZSCAN32
A_21_P0002333	3,20717	2,92157	1,218917092	N/A	N/A	N/A	Inc-OBFC2A-2
A_21_P0009890	5,35713	5,07163	1,218832606	ENST00000437696	N/A	N/A	N/A
A_33_P3407657	4,44126	4,15581	1,218790365	ENST00000399577	23295	NM_015246	MGRN1
A_24_P157156	4,8331	4,5477	1,218748126	ENST00000494389	284992	NM_001080539	CCDC150
A_21_P0006565	3,07922	2,7939	1,218680546	N/A	102724212	N/A	LOC102724212
A_33_P3407937	6,2373	5,95201	1,218655204	ENST00000381663	55344	NM_018390	PLCXD1
A_33_P3343750	8,19776	7,91253	1,218604523	ENST00000585696	163081	NM_001300979	ZNF567
A_32_P37592	10,7847	10,4995	1,218579183	N/A	677769	NR_003003	SCARNA17
A_33_P3220833	8,98401	8,69883	1,21856229	ENST00000327134	5062	NM_002577	PAK2
A_24_P136124	6,30222	6,0171	1,218511612	ENST00000623513	N/A	AF258585	N/A
A_22_P00005432	2,56702	2,28191	1,218503166	N/A	N/A	N/A	Inc-DTYMK-1
A_23_P250994	10,7402	10,4551	1,21849472	ENST00000513054	10393	NM_014885	ANAPC10
A_33_P3408244	10,8595	10,5745	1,218410264	ENST00000432597	399833	NR_033789	SPRNP1
A_23_P358995	12,0025	11,7176	1,218325813	ENST00000610980	25998	NM_015525	IBTK
A_32_P92399	11,6327	11,3478	1,218325813	ENST00000288022	84342	NM_032382	COG8
A_21_P0003095	3,70691	3,42205	1,218292034	N/A	N/A	N/A	Inc-FBXO45-1
A_21_P0014780	3,5202	3,23536	1,218275145	N/A	N/A	N/A	N/A

A_22_P00006917	4,08996	3,80519	1,218216036	N/A	N/A	AA311247	Inc-GAS6-5
A_21_P0010486	2,27638	1,99174	1,218106268	N/A	N/A	N/A	XLOC_014484
A_21_P0013456	7,63817	7,35356	1,218080939	N/A	N/A	N/A	XLOC_I2_014048
A_21_P0014842	5,00765	4,72306	1,218064052	ENST00000366454	N/A	AY358705	N/A
A_23_P3849	11,9413	11,6568	1,217988068	ENST00000573872	10131	NM_016292	TRAP1
A_24_P311604	8,37687	8,09237	1,217988068	ENST00000503747	133015	NM_145048	PACRGL
A_24_P152404	7,34064	7,05625	1,217895205	ENST00000311122	79591	BC032118	C10orf76
A_24_P52004	10,3867	10,1024	1,217819231	ENST00000303538	23244	NM_001100399	PDS5A
A_32_P494790	2,00034	1,71605	1,217810789	ENST00000619152	N/A	N/A	N/A
A_23_P216017	8,00086	7,7166	1,217785466	ENST00000523958	9583	NM_004901	ENTPD4
A_23_P501795	9,95518	9,67094	1,217768584	ENST00000614493	6837	NM_133640	MED22
A_33_P3414907	7,27254	6,98834	1,217734821	ENST00000367555	80896	NM_001200050	NPL
A_33_P3702906	2,3778	2,0936	1,217734821	N/A	440047	CN273640	LOC440047
A_22_P00000827	2,10959	1,82539	1,217734821	N/A	N/A	CR743177	Inc-AGA-1
A_33_P3409282	4,81303	4,52887	1,217701059	N/A	N/A	N/A	N/A
A_33_P3286694	6,39996	6,11582	1,217684178	ENST00000438290	100507533	NR_046514	SOX21-AS1
A_22_P00008442	3,81776	3,53365	1,217658857	ENST00000437721	102157400	XR_424439	LINC00384
A_23_P255601	9,34471	9,06061	1,217650417	ENST00000611119	84548	NM_032508	TMEM185A
A_22_P00011891	5,07897	4,7949	1,217625097	ENST00000424705	101927326	XR_244183	LOC101927326
A_33_P3328913	2,97858	2,69455	1,217591337	N/A	N/A	BC126309	N/A
A_32_P143880	9,2613	8,97737	1,217506943	ENST00000452572	51072	NM_015955	MEMO1
A_23_P23748	7,04976	6,76586	1,217481626	ENST00000357672	22911	NM_014969	WDR47
A_23_P500773	10,6468	10,3629	1,217481626	ENST00000369320	6885	NM_003188	MAP3K7
A_33_P3475737	9,80984	9,52594	1,217481626	ENST00000480336	653121	NM_001040441	ZBTB8A
A_24_P117954	9,70885	9,42496	1,217473187	ENST00000586449	125476	NM_194281	INO80C
A_24_P627306	11,051	10,7672	1,21739724	ENST00000374491	55741	NM_018217	EDEM2
A_24_P360529	6,88422	6,60043	1,217388802	N/A	5150	AF332652	PDE7A
A_33_P3382730	7,98822	7,70446	1,217363487	ENST00000406525	23185	NM_015155	LARP4B
A_32_P203300	8,59722	8,31351	1,217321297	ENST00000450253	1977	NM_001130679	EIF4E
A_33_P3368695	3,96771	3,68407	1,217262234	ENST00000541682	84667	NM_001165967	HES7
A_23_P40718	10,0196	9,736	1,217228484	ENST00000406477	29780	NM_001003828	PARVB
A_21_P0014631	7,28866	7,00507	1,217220047	ENST00000610119	101929787	XR_250866	LOC101929787
A_22_P00024685	3,4688	3,18523	1,217203173	ENST00000440750	N/A	N/A	N/A

A_33_P3474319	12,0447	11,7612	1,217144116	ENST00000526405	219855	NM_198277	SLC37A2
A_23_P146284	11,6244	11,3409	1,217144116	ENST00000265896	6713	NM_003129	SQLE
A_33_P3371224	9,22883	8,94537	1,21711037	ENST00000292246	55129	NM_001204831	ANO10
A_33_P3779229	6,27579	5,99236	1,217085061	ENST00000392993	256356	NM_001039547	GK5
A_22_P00013092	5,47902	5,19562	1,217059752	N/A	N/A	AK126895	Inc-RIC3-1
A_22_P00024586	6,605	6,3217	1,216975395	ENST00000449339	N/A	XR_425264	N/A
A_22_P00015349	7,37393	7,09069	1,216924784	N/A	283335	NR_033854	LOC283335
A_33_P3423853	2,11208	1,82885	1,216916349	N/A	253868	NR_033263	C20orf166-AS1
A_23_P41204	7,82217	7,53905	1,216823567	ENST00000340957	131408	NM_144635	FAM131A
A_21_P0009544	6,84844	6,56534	1,216806698	N/A	N/A	N/A	Inc-INO80C-1
A_21_P0010261	2,09733	1,81425	1,21678983	N/A	102725378	N/A	LOC102725378
A_33_P3347482	4,56691	4,28384	1,216781396	ENST00000618559	646262	NM_001289974	LACTBL1
A_33_P3370001	1,79393	1,51087	1,216772962	ENST00000357191	391190	NM_001001963	OR2L8
A_24_P338145	12,3571	12,0741	1,216722359	ENST00000452248	30968	NM_013442	STOML2
A_32_P137939	18,3052	18,0222	1,216722359	ENST00000462494	60	NM_001101	ACTB
A_33_P3280965	12,7011	12,4181	1,216722359	ENST00000564014	735301	NR_003142	SNHG9
A_23_P25073	13,9751	13,6923	1,216553697	ENST00000538315	60488	NM_021821	MRPS35
A_22_P00001180	2,94062	2,65783	1,216545264	N/A	100507530	NR_125386	LOC100507530
A_33_P3341442	3,5272	3,24446	1,216503103	ENST00000262825	1439	NM_000395	CSF2RB
A_32_P184727	13,9372	13,6545	1,216469375	N/A	3837	NM_002265	KPNB1
A_33_P3369146	5,7063	5,42362	1,216452511	ENST00000393842	492	NM_001001344	ATP2B3
A_23_P70020	12,8596	12,577	1,216385058	ENST00000261813	5201	NM_002622	PFDN1
A_19_P00322569	7,25859	6,97605	1,216334471	ENST00000437157	N/A	EF609116	N/A
A_23_P319895	8,65904	8,37652	1,216317609	N/A	23067	NM_015048	SETD1B
A_33_P3307980	8,44384	8,16135	1,216292317	N/A	N/A	AK131345	Inc-FAM133B-1
A_33_P3349776	8,93204	8,6496	1,216250164	ENST00000361670	149986	NM_144703	LSM14B
A_33_P3257140	7,25783	6,97541	1,216233304	ENST00000616279	9475	NM_004850	ROCK2
A_24_P107941	13,1664	12,884	1,216216443	ENST00000566082	79650	NM_024598	USB1
A_33_P3374559	7,22685	6,9445	1,216174293	ENST00000444220	91316	NR_024448	GUSBP11
A_21_P0000324	6,71218	6,42987	1,216140574	ENST00000475966	677817	NR_002969	SNORA36A
A_33_P3352340	6,35136	6,06908	1,216115285	ENST00000398470	728318	NM_001190460	KRTAP9-1
A_24_P298737	6,12259	5,84037	1,21606471	N/A	N/A	AK090442	N/A
A_23_P214091	12,8286	12,5464	1,216047852	ENST00000519891	10434	NM_006330	LYPLA1

A_33_P3276222	9,51239	9,23019	1,216047852	N/A	N/A	N/A	N/A
A_23_P86570	10,5765	10,2944	1,215963564	ENST00000372919	310	NM_004034	ANXA7
A_21_P0006246	4,47721	4,19512	1,215955136	N/A	N/A	N/A	Inc-CACNA1B-1
A_33_P3230837	4,50371	4,22163	1,215946708	N/A	677772	NR_003006	SCARNA6
A_23_P97906	10,8766	10,5946	1,215879283	ENST00000369857	22978	NM_012229	NT5C2
A_21_P0008865	5,84147	5,55954	1,21582029	N/A	N/A	N/A	Inc-KLHL25-9
A_33_P3411291	4,65539	4,37351	1,215778153	ENST00000284061	8526	NM_003647	DGKE
A_24_P402438	7,42513	7,14327	1,215761299	ENST00000479322	7042	NM_003238	TGFB2
A_23_P76761	10,8864	10,6046	1,215710738	ENST00000555067	7443	NM_003384	VRK1
A_33_P3283824	4,33095	4,04916	1,215702312	ENST00000424970	64116	NM_001135147	SLC39A8
A_24_P379693	7,96312	7,68135	1,215685458	ENST00000273075	23549	NM_012100	DNPEP
A_23_P113462	7,20243	6,92068	1,215668606	ENST00000361961	55605	NM_017641	KIF21A
A_33_P3272580	9,94392	9,66221	1,215634901	ENST00000367585	2519	NM_032020	FUCA2
A_23_P89199	12,849	12,5673	1,215626474	ENST00000578317	8533	NM_003653	COPS3
A_33_P3302861	5,26368	4,98204	1,215575919	ENST00000621565	23322	NM_015272	RPGRIP1L
A_24_P89971	11,2117	10,9301	1,215542217	ENST00000618229	6836	NM_033161	SURF4
A_22_P00007990	5,49905	5,21746	1,215533791	N/A	N/A	N/A	Inc-IFFO1-1
A_33_P3313710	1,85539	1,57388	1,215466389	N/A	102724724	XM_006709941	LOC102724724
A_32_P233938	9,15798	8,87648	1,215457965	ENST00000481407	257415	NM_001040057	FAM133B
A_22_P00015085	6,33717	6,05575	1,215390567	N/A	N/A	AF400497	Inc-SNURF-3
A_23_P319050	5,90327	5,62193	1,215323173	ENST00000339914	284443	NM_145326	ZNF493
A_23_P140256	14,3572	14,0759	1,215289478	ENST00000554056	4860	NM_000270	PNP
A_33_P3413732	7,52578	7,24456	1,21522209	ENST00000535190	N/A	N/A	N/A
A_22_P00008401	6,01316	5,73197	1,21519682	N/A	N/A	N/A	Inc-JPH1-3
A_33_P3376925	5,62299	5,34181	1,215188397	ENST00000420303	N/A	N/A	N/A
A_33_P3393135	5,68776	5,40663	1,215146283	N/A	8329	BC112254	HIST1H2AI
A_33_P3265159	4,52272	4,24159	1,215146283	N/A	26130	BC110990	GAPVD1
A_33_P3396473	11,2996	11,0185	1,215121015	ENST00000395741	9701	NM_001242898	PPP6R2
A_33_P3301514	2,66173	2,38069	1,21507048	ENST00000379022	4897	NM_001193582	NRCAM
A_32_P66020	8,04696	7,76595	1,215045214	ENST00000509141	92017	NM_032167	SNX29
A_23_P81248	13,5151	13,2341	1,215036792	ENST00000313368	6879	NM_005642	TAF7
A_33_P3304133	6,76445	6,48348	1,215011526	ENST00000339772	89944	NM_138342	GLB1L2
A_22_P00004607	1,88649	1,60568	1,214876785	ENST00000522330	N/A	N/A	N/A

A_33_P3429575	11,9914	11,7106	1,214868364	N/A	643454	BC157883	LOC643454
A_22_P00014064	4,44952	4,16881	1,214792579	ENST00000577382	N/A	AK055411	N/A
A_21_P0003403	3,64683	3,36617	1,214750478	ENST00000503009	N/A	N/A	N/A
A_21_P0009384	4,77518	4,49453	1,214742058	N/A	N/A	N/A	Inc-TP53I13-1
A_24_P225719	10,6957	10,4151	1,214699959	ENST00000323303	25843	NM_015387	MOB4
A_33_P3416124	4,61668	4,33612	1,214666281	N/A	100130872	NR_024569	LOC100130872
A_32_P76627	14,8594	14,5789	1,214615765	ENST00000417510	N/A	N/A	N/A
A_21_P0008220	5,19784	4,91737	1,214590508	N/A	N/A	N/A	Inc-TUBGCP3-6
A_21_P0001244	6,41158	6,13118	1,214531577	ENST00000451766	101927851	N/A	LOC101927851
A_32_P456537	10,9364	10,656	1,214531577	ENST00000414406	6950	NM_030752	TCP1
A_23_P149496	11,4719	11,1915	1,214531577	ENST00000373884	55113	NM_018053	XKR8
A_21_P0007426	1,94094	1,66059	1,214489486	N/A	N/A	N/A	Inc-OR52K2-1
A_23_P154507	12,1435	11,8632	1,214447395	ENST00000494563	9270	NM_022334	ITGB1BP1
A_33_P3235561	3,87633	3,59605	1,21443056	N/A	832	NM_001206541	CAPZB
A_33_P3327971	4,31246	4,03222	1,214396889	N/A	N/A	N/A	N/A
A_23_P2661	13,3529	13,0727	1,214363219	ENST00000393436	5908	NM_015646	RAP1B
A_33_P3253144	4,89877	4,61864	1,214304299	ENST00000357198	79930	NM_024872	DOK3
A_23_P19543	13,7359	13,4558	1,214279049	ENST00000373822	6732	NM_003137	SRPK1
A_23_P201432	11,9164	11,6363	1,214279049	ENST00000366535	159	NM_001126	ADSS
A_21_P0008595	2,24794	1,96785	1,214270632	N/A	N/A	N/A	Inc-C15orf2-2
A_21_P0000138	2,06401	1,78396	1,214236966	ENST00000469230	10385	NM_001197238	BTN2A2
A_32_P104000	10,4935	10,2135	1,214194884	ENST00000324344	123879	NM_173475	DCUN1D3
A_33_P3244640	5,44198	5,16201	1,214169636	ENST00000369108	2869	AF370369	GRK5
A_24_P145047	8,69512	8,41516	1,21416122	ENST00000326648	23060	NM_015042	ZNF609
A_23_P104741	3,08301	2,8031	1,214119141	ENST00000525144	84623	NM_032531	KIRREL3
A_33_P3232955	6,36957	6,08972	1,214068649	ENST00000248076	9002	NM_003950	F2RL3
A_33_P6805163	5,98975	5,70992	1,214051818	N/A	317648	NR_015453	NOP14-AS1
A_22_P00023307	4,45688	4,1772	1,213925597	N/A	N/A	N/A	Inc-IRF2BP2-3
A_21_P0006148	4,38188	4,10222	1,213908769	N/A	N/A	N/A	Inc-FAM27D1.1-3
A_22_P00008509	2,02373	1,74408	1,213900355	ENST00000450040	N/A	N/A	N/A
A_22_P00017551	4,09526	3,81571	1,213816216	ENST00000431150	N/A	N/A	N/A
A_24_P71938	9,46265	9,18316	1,213765736	N/A	4086	NM_005900	SMAD1
A_24_P72646	5,73544	5,45604	1,21369002	N/A	80094	NR_027715	BIN3-IT1

A_33_P3285354	9,36441	9,08505	1,21365637	ENST00000433688	65998	NM_001144936	C11orf95
A_23_P218456	13,2442	12,9649	1,213605896	ENST00000590261	3609	NM_012218	ILF3
A_23_P110492	12,2948	12,0156	1,213521778	ENST00000274140	10299	NM_005885	mar-06
A_23_P61881	12,7515	12,4723	1,213521778	ENST00000449376	10425	NM_006321	ARIH2
A_21_P0003741	3,18567	2,90655	1,213454488	N/A	N/A	N/A	Inc-PHOX2B-2
A_23_P425332	9,64633	9,36733	1,21335356	ENST00000304338	57718	NM_058237	PPP4R4
A_23_P88781	12,1619	11,8829	1,21335356	ENST00000567518	57019	NM_020313	CIAPIN1
A_33_P3420020	5,017	4,73801	1,21334515	ENST00000510070	9677	NM_001130858	PPIP5K1
A_23_P39550	2,09846	1,81947	1,21334515	ENST00000476823	81615	NM_030923	TMEM163
A_23_P347059	8,70649	8,4275	1,21334515	ENST00000309395	92597	NM_173468	MOB1B
A_22_P00003787	3,35781	3,07883	1,21333674	N/A	N/A	AK096618	Inc-CDK5R1-1
A_23_P317465	9,13928	8,86032	1,213319919	ENST00000321437	51762	NM_016530	RAB8B
A_24_P112447	5,78022	5,5013	1,21328628	ENST00000370489	57089	NM_020354	ENTPD7
A_23_P21063	1,98872	1,70988	1,213219002	ENST00000333535	6331	NM_198056	SCN5A
A_21_P0013468	7,82313	7,54432	1,213193775	ENST00000588159	286042	N/A	FAM86B3P
A_23_P89621	9,32488	9,0462	1,21308446	ENST00000269397	8535	NM_003655	CBX4
A_21_P0010949	9,69915	9,42049	1,213067643	N/A	101060691	NR_120611	NUTM2B-AS1
A_23_P89941	11,6845	11,4059	1,213017194	ENST00000393599	1032	NM_001800	CDKN2D
A_33_P3280955	1,94746	1,66886	1,213017194	N/A	100128079	XR_424776	LOC100128079
A_23_P31536	13,8361	13,5575	1,213017194	ENST00000576834	6742	NM_003143	SSBP1
A_21_P0006009	1,97199	1,69342	1,21299197	N/A	N/A	N/A	Inc-ALDH1B1-1
A_22_P00023466	6,57529	6,29674	1,212975155	N/A	N/A	BC043518	Inc-ANKRD10-2
A_23_P341349	9,46749	9,18899	1,212933117	ENST00000494738	11132	NM_023083	CAPN10
A_22_P00003353	3,36029	3,08182	1,212907895	ENST00000477210	100302640	NR_028303	LINC00882
A_33_P3211809	7,41574	7,13732	1,212865859	ENST00000467577	861	NM_001122607	RUNX1
A_23_P400515	5,42449	5,14607	1,212865859	ENST00000247986	57576	NM_020816	KIF17
A_32_P109522	10,4155	10,1371	1,212849046	ENST00000368576	221302	NM_145062	ZUFSP
A_23_P15045	10,1279	9,84958	1,212781793	ENST00000569796	1877	NM_004424	E4F1
A_22_P00010377	2,02846	1,75014	1,212781793	ENST00000451953	100506527	N/A	LINC01007
A_23_P79231	9,23946	8,96126	1,212680921	ENST00000432329	1385	NM_134442	CREB1
A_23_P259663	7,543	7,26482	1,212664109	ENST00000326775	23660	NM_014569	ZKSCAN5
A_19_P00321398	2,81628	2,53812	1,212647298	ENST00000522967	N/A	N/A	N/A
A_33_P3295261	2,16683	1,88879	1,212546438	ENST00000367288	25802	NM_012134	LMOD1

A_33_P3343605	4,60102	4,32303	1,212504415	N/A	N/A	N/A	N/A
A_22_P00013787	3,32584	3,04789	1,212470797	N/A	N/A	AK307207	Inc-RP1L1-2
A_33_P3287716	4,49352	4,21558	1,212462393	N/A	N/A	AK128048	N/A
A_33_P3369939	9,91299	9,63509	1,212428777	ENST00000382021	134218	NM_194283	DNAJC21
A_23_P77145	11,1438	10,8659	1,212428777	ENST00000261890	8766	NM_004663	RAB11A
A_33_P3212490	11,3899	11,112	1,212428777	ENST00000393063	23405	NM_001195573	DICER1
A_33_P3215803	4,98656	4,70867	1,212420373	ENST00000312053	2015	NM_001974	EMR1
A_33_P3372099	5,41218	5,13431	1,212403566	ENST00000273990	115265	NM_145244	DDIT4L
A_33_P3413227	6,31269	6,03489	1,212344741	N/A	100132363	AK096512	LOC100132363
A_24_P41371	6,72697	6,44918	1,212336337	ENST00000588932	54862	NM_017721	CC2D1A
A_21_P0005166	1,86169	1,58397	1,212277516	N/A	N/A	N/A	Inc-SUPT3H-1
A_33_P3394599	11,7783	11,5006	1,21226071	ENST00000487894	10362	NM_006339	HMG20B
A_33_P3365710	5,11276	4,83509	1,212235502	ENST00000568298	9114	AK125522	ATP6V0D1
A_23_P123454	9,55907	9,28148	1,212168284	ENST00000611621	79873	NM_024815	NUDT18
A_33_P3404123	4,55908	4,28156	1,21210947	ENST00000391354	100505724	NM_001277332	KRTAP9-7
A_21_P0012266	2,85012	2,57261	1,212101069	N/A	N/A	N/A	XLOC_I2_009332
A_23_P404685	11,6902	11,4127	1,212092667	ENST00000335123	353131	NM_178348	LCE1A
A_24_P253755	8,26341	7,98598	1,212033857	ENST00000607144	9487	NM_004278	PIGL
A_23_P28869	13,2132	12,9358	1,212008654	ENST00000399903	5786	NM_002836	PTPRA
A_23_P55873	10,9269	10,6495	1,212008654	ENST00000318003	54862	NM_017721	CC2D1A
A_24_P178300	4,88013	4,60283	1,211924647	ENST00000408934	643905	NM_001080835	PRR21
A_23_P415882	12,7876	12,5103	1,211924647	ENST00000607714	92609	NM_001001563	TIMM50
A_21_P0014880	7,41966	7,14239	1,211899446	N/A	N/A	N/A	N/A
A_23_P169207	2,00181	1,72457	1,211874245	ENST00000277216	138804	NM_001001919	OR13C4
A_21_P0004360	5,97848	5,70126	1,211857445	ENST00000503989	100505625	NR_103771	LOC100505625
A_21_P0008975	3,04118	2,76397	1,211849045	ENST00000563360	101928248	N/A	LINC01229
A_33_P3233273	9,44799	9,1708	1,211832246	ENST00000323078	65999	NM_001142928	LRR61
A_33_P3228722	6,79662	6,51944	1,211823846	ENST00000571618	N/A	AL096745	N/A
A_23_P115919	10,0706	9,79343	1,211815446	ENST00000263038	5264	NM_001037537	PHYH
A_33_P3368925	4,91819	4,64103	1,211807047	ENST00000588831	79414	N/A	LRFN3
A_24_P316234	4,40024	4,1231	1,211790248	N/A	N/A	AK090485	N/A
A_32_P139229	8,46741	8,19031	1,21175665	ENST00000321545	125919	NM_213598	ZNF543
A_24_P373174	8,16889	7,8918	1,211748251	ENST00000336787	5873	NM_004580	RAB27A



A_33_P3651282	5,94062	5,66354	1,211739852	ENST00000546204	N/A	DW416857	N/A
A_22_P00019867	7,79304	7,51598	1,211723054	N/A	N/A	N/A	Inc-GSTO2-2
A_33_P3415062	6,10731	5,83025	1,211723054	ENST00000406486	85379	NM_001145206	KIAA1671
A_23_P36888	10,4086	10,1316	1,21167266	ENST00000546455	91523	NM_138371	PCED1B
A_21_P0000349	7,87479	7,59792	1,211563483	N/A	677679	NR_002998	SCARNA3
A_21_P0003264	2,65846	2,3816	1,211555085	N/A	101928711	N/A	LOC101928711
A_33_P3398667	5,24919	4,97242	1,211479506	ENST00000590777	100101467	NM_001166012	ZSCAN30
A_23_P420417	9,87453	9,59776	1,211479506	ENST00000394933	116238	NM_138463	TLCD1
A_23_P30582	2,03616	1,75943	1,211445917	ENST00000507407	6550	NM_004174	SLC9A3
A_33_P3277970	5,11844	4,84173	1,211429123	ENST00000489078	N/A	XM_003960330	N/A
A_33_P3322859	10,3244	10,0477	1,211420726	ENST00000409160	55502	NM_018645	HES6
A_22_P00003639	4,49402	4,21736	1,211387139	N/A	N/A	N/A	Inc-CD63-1
A_33_P3304668	7,19949	6,92288	1,211345156	ENST00000225964	1277	NM_000088	COL1A1
A_23_P75839	12,7532	12,4766	1,21133676	ENST00000251968	7251	NM_006292	TSG101
A_33_P3267250	3,2291	2,95257	1,211277987	ENST00000368482	126668	NM_182499	TDRD10
A_23_P213584	1,70433	1,42781	1,211269591	ENST00000292432	3101	NM_002115	HK3
A_23_P86917	13,9902	13,7137	1,211252799	ENST00000301838	8772	NM_003824	FADD
A_21_P0006578	6,83283	6,55638	1,211210821	N/A	101927574	XR_426524	LINC01186
A_22_P00013923	2,35393	2,07749	1,211202426	ENST00000593015	101927755	NR_110816	LOC101927755
A_33_P3223243	5,47536	5,1991	1,211051318	ENST00000369664	54879	AK301869	ST7L
A_21_P0010059	4,45992	4,18378	1,21095059	N/A	N/A	N/A	Inc-CYP24A1-1
A_32_P42537	2,7073	2,43135	1,21079112	ENST00000611003	100132304	NR_120493	LOC100132304
A_33_P3254311	3,80976	3,53381	1,21079112	ENST00000417977	N/A	KM004779	N/A
A_23_P26522	4,9363	4,66038	1,210765943	ENST00000219660	343	NM_001169	AQP8
A_21_P0011948	7,16738	6,89146	1,210765943	ENST00000605570	N/A	XR_425456	N/A
A_22_P00015882	4,94366	4,66775	1,210757551	N/A	N/A	N/A	Inc-TCEAL4-1
A_22_P00013880	3,95789	3,68202	1,210723982	ENST00000413043	N/A	N/A	N/A
A_21_P0008092	2,79187	2,51613	1,210614889	N/A	N/A	N/A	Inc-NDFIP2-8
A_33_P3244361	8,87626	8,60058	1,210564542	N/A	N/A	N/A	N/A
A_22_P00011105	1,95546	1,6798	1,21054776	N/A	N/A	N/A	Inc-NUDT16-1
A_33_P3279059	10,5579	10,2823	1,210497416	ENST00000259808	8737	NM_003804	RIPK1
A_33_P3418466	6,35907	6,08348	1,210489026	N/A	N/A	N/A	N/A
A_23_P146486	2,37348	2,09792	1,210463855	ENST00000374016	50514	NM_017418	dic-01

A_22_P00016918	2,99125	2,71571	1,210447074	N/A	104472714	NR_126441	DISC1-IT1
A_22_P00024912	4,25274	3,97727	1,210388344	N/A	102723366	XR_424492	LOC102723366
A_33_P3277178	6,17419	5,89883	1,21029606	ENST00000472850	23145	AK093431	SSPO
A_22_P00004574	3,55315	3,2778	1,210287671	ENST00000447149	101929539	NR_110540	LINC01422
A_19_P00321977	7,93055	7,65523	1,210262504	N/A	N/A	AF130094	Inc-LTBP3-2
A_21_P0010183	4,39145	4,11618	1,21022056	ENST00000419299	387486	NR_109786	LINC00320
A_24_P184388	8,61261	8,33737	1,210195395	ENST00000447974	220074	NM_145309	LRTOMT
A_24_P940921	10,5229	10,2477	1,210161842	ENST00000224140	23064	NM_015046	SETX
A_33_P3282566	8,21253	7,93738	1,210119901	ENST00000335464	54868	NM_017728	TMEM104
A_24_P33461	6,68867	6,41354	1,210103126	ENST00000425471	N/A	XR_427803	N/A
A_22_P00013104	4,65158	4,37648	1,210077963	N/A	N/A	N/A	Inc-RIMS3-2
A_23_P255827	8,26459	7,98953	1,210044413	ENST00000510120	N/A	AF300871	N/A
A_19_P00315967	6,43745	6,16248	1,209968928	ENST00000563248	N/A	N/A	N/A
A_33_P3399373	12,5595	12,2846	1,209910222	ENST00000355552	131601	NM_001136053	TPRA1
A_23_P156284	12,7215	12,4467	1,20982636	ENST00000472831	1627	NM_080881	DBN1
A_24_P43588	11,9447	11,6699	1,20982636	ENST00000451025	9587	NM_001003690	MAD2L1BP
A_21_P0008127	3,8492	3,57445	1,209784431	N/A	N/A	N/A	Inc-CRYL1-1
A_23_P60259	8,63603	8,36136	1,209717349	ENST00000374688	55151	NM_018112	TMEM38B
A_22_P00002574	3,11144	2,8368	1,209692193	N/A	N/A	BG957402	Inc-C17orf97-4
A_21_P0011482	4,90552	4,63091	1,209667039	N/A	N/A	N/A	XL0C_I2_005490
A_23_P145146	12,9505	12,6759	1,209658654	ENST00000167218	5134	NM_002598	PDCD2
A_33_P3333826	12,6119	12,3373	1,209658654	ENST00000426727	92912	NM_173469	UBE2Q2
A_22_P00007360	2,7186	2,44401	1,209650269	ENST00000422831	N/A	N/A	N/A
A_24_P406714	9,65504	9,38045	1,209650269	ENST00000377059	8028	NM_004641	MLLT10
A_22_P00011396	4,37517	4,10061	1,209625116	N/A	N/A	AK097173	Inc-PABPN1L-1
A_19_P00318261	8,17544	7,90092	1,209591578	N/A	677810	NR_003016	SNORA26
A_23_P208482	5,2179	4,9434	1,20957481	ENST00000394122	10332	NM_001144904	CLEC4M
A_33_P3274832	2,03557	1,7611	1,209549658	ENST00000536497	283440	NR_033958	LOC283440
A_21_P0012316	8,35141	8,07694	1,209549658	ENST00000613597	728229	NM_001242313	TMEM191B
A_21_P0007368	4,33969	4,06524	1,20953289	N/A	N/A	N/A	Inc-NUMA1-1
A_33_P3382769	7,19993	6,92552	1,209499355	ENST00000561287	N/A	NR_024474	N/A
A_22_P00025812	3,04925	2,77501	1,209356842	N/A	100861514	NR_104120	ELMO1-AS1
A_24_P167984	10,6825	10,4083	1,209323312	ENST00000566488	23300	NM_015251	ATMIN

A_23_P117980	8,423	8,14883	1,209298165	ENST00000562542	10300	NM_005886	KATNB1
A_23_P414308	9,42752	9,1534	1,209256255	ENST00000389169	201163	NM_144606	FLCN
A_24_P915007	11,8698	11,5957	1,209239491	ENST00000292431	112939	NM_052876	NACC1
A_33_P3340682	8,55524	8,28116	1,209222728	ENST00000289816	92822	NM_001113525	ZNF276
A_33_P3280009	6,40254	6,12847	1,209214346	N/A	N/A	N/A	N/A
A_22_P00020232	5,62584	5,35178	1,209205964	N/A	N/A	AK058022	Inc-APOA1-1
A_22_P00020707	2,76685	2,49279	1,209205964	N/A	N/A	BC026111	Inc-JAG1-6
A_33_P3355743	8,31764	8,04361	1,20918082	ENST00000366934	55105	NM_001297754	GPATCH2
A_23_P112289	4,45056	4,17654	1,209172438	ENST00000395211	7111	NM_003275	TMOD1
A_23_P392222	10,949	10,675	1,209155676	ENST00000320188	375757	NM_001040011	SWI5
A_33_P3255176	2,20643	1,93245	1,209138913	ENST00000428812	101928303	N/A	LOC101928303
A_22_P00023117	1,95438	1,68047	1,209080247	N/A	N/A	N/A	Inc-RFC2-2
A_19_P00319019	15,9009	15,627	1,209071866	ENST00000623001	387066	NR_003038	SNHG5
A_24_P740962	7,47922	7,20544	1,208971303	N/A	N/A	AF086551	Inc-ZSWIM7-1
A_22_P00004206	3,12014	2,8464	1,208937784	ENST00000563057	N/A	N/A	N/A
A_32_P384562	3,79859	3,52487	1,208921024	ENST00000263511	114819	NR_023386	CROCCP3
A_33_P3382303	5,59137	5,31766	1,208912645	ENST00000328118	752	NM_005892	FMNL1
A_33_P3246175	4,97815	4,70447	1,208887506	ENST00000394005	142827	NM_207321	ACSM6
A_32_P124245	2,26689	1,99324	1,208862368	ENST00000367734	167826	NM_175747	OLIG3
A_21_P0008140	1,85402	1,58048	1,208770201	N/A	102723392	XR_424440	LOC102723392
A_33_P3358457	4,115	3,84149	1,208745065	ENST00000438299	2736	NM_005270	GLI2
A_23_P202602	11,6678	11,3943	1,208736687	ENST00000369075	11196	NM_007190	SEC23IP
A_33_P3285754	5,63278	5,35935	1,20867804	ENST00000613027	N/A	N/A	N/A
A_33_P3347528	2,31689	2,04349	1,208652907	ENST00000369743	149620	N/A	CHIAP2
A_23_P398854	11,7854	11,512	1,208652907	ENST00000515886	285489	NM_173660	DOK7
A_23_P115780	2,93981	2,66644	1,208627774	ENST00000372105	26103	NM_015613	LRIT1
A_24_P201491	13,3629	13,0896	1,208569132	ENST00000524482	740	NM_004927	MRPL49
A_23_P131227	10,996	10,7228	1,208485363	ENST00000317907	55622	NM_017735	TTC27
A_24_P152983	16,1768	15,9036	1,208485363	ENST00000445363	N/A	N/A	N/A
A_24_P158421	11,1974	10,9243	1,208401601	ENST00000431664	56681	NM_020150	SAR1A
A_23_P71830	6,05772	5,78463	1,208393225	ENST00000373654	57684	AB384239	ZBTB26
A_33_P3359223	8,25289	7,97981	1,208384849	ENST00000620716	441476	NM_001256699	C9orf173
A_21_P0008816	3,69752	3,42447	1,208359721	N/A	N/A	N/A	Inc-SNURF-1

A_23_P209740	13,2817	13,0087	1,208317843	ENST00000491229	5707	NM_002807	PSMD1
A_33_P3222937	13,1469	12,8739	1,208317843	ENST00000404032	54867	NM_017727	TMEM214
A_33_P3280993	9,83541	9,56241	1,208317843	N/A	414777	NR_102326	HCG18
A_33_P3241771	5,40284	5,1299	1,208267592	ENST00000623469	N/A	XR_109230	N/A
A_23_P502575	12,4028	12,1299	1,208234092	ENST00000619188	1457	NM_177559	CSNK2A1
A_21_P0005017	2,21824	1,94535	1,208225717	N/A	N/A	N/A	Inc-TRIM27-15
A_23_P256716	9,64242	9,36957	1,208192219	ENST00000508573	8467	NM_003601	SMARCA5
A_23_P417921	2,8605	2,58767	1,20817547	ENST00000296097	285126	NM_173650	DNAJC5G
A_23_P359430	10,9665	10,6937	1,208150347	ENST00000369227	25832	NM_015383	NBPF14
A_22_P00017346	7,61131	7,33852	1,208141972	N/A	101928000	XR_243583	LOC101928000
A_23_P216812	1,69499	1,42227	1,208083354	ENST00000380142	1030	NM_004936	CDKN2B
A_24_P76666	7,91161	7,63902	1,2079745	ENST00000400217	1457	NM_177559	CSNK2A1
A_22_P00012600	7,33489	7,06234	1,207941008	N/A	N/A	N/A	Inc-PTPRCAP-1
A_24_P149713	8,87863	8,60613	1,207899145	ENST00000373464	23099	NM_014007	ZBTB43
A_33_P3333158	2,24448	1,97199	1,207890772	ENST00000368854	119587	NM_198148	CPXM2
A_32_P231179	8,41712	8,14466	1,207865655	ENST00000468063	150483	NM_144705	TEKT4
A_21_P0007586	7,36047	7,08804	1,207840539	ENST00000553247	N/A	N/A	N/A
A_23_P39375	7,50409	7,23169	1,207815423	ENST00000300976	55295	NM_018316	KLHL26
A_23_P351215	9,48852	9,21618	1,207765192	ENST00000413427	6498	NM_005414	SKIL
A_24_P167683	6,87898	6,60667	1,207740078	ENST00000553695	3705	NM_014216	ITPK1
A_24_P252130	10,9726	10,7003	1,207731706	ENST00000311565	5467	NM_006238	PPARD
A_24_P336113	8,95418	8,68207	1,207572661	ENST00000620406	23523	NM_012295	CABIN1
A_23_P257176	4,32099	4,04891	1,20754755	ENST00000432095	83697	NM_031467	SLC4A9
A_22_P00007003	9,92555	9,65351	1,20751407	N/A	N/A	AL137445	Inc-GGCT-1
A_23_P62335	8,82296	8,55093	1,207505701	ENST00000369439	55217	NM_018196	TMLHE
A_21_P0011772	6,34055	6,0686	1,207438744	ENST00000599858	114132	NM_001135163	SIGLEC11
A_23_P8083	6,80344	6,53155	1,207388529	ENST00000375819	80740	NM_025261	LY6G6C
A_23_P98686	9,2436	8,97177	1,207338316	ENST00000474221	80162	NM_025092	ATHL1
A_23_P75707	3,33675	3,06493	1,207329948	ENST00000610894	219469	NM_001005199	OR8H1
A_33_P6819918	8,51531	8,2435	1,207321579	ENST00000546580	100506844	NR_038269	LOC100506844
A_23_P356152	5,96351	5,69171	1,207313211	ENST00000482840	5599	NM_001278547	MAPK8
A_23_P47527	15,4541	15,1823	1,207313211	ENST00000545210	746	NM_014206	TMEM258
A_21_P0003098	2,05864	1,78689	1,207271369	N/A	N/A	N/A	Inc-AC018816.3.1-6

A_22_P00015727	3,22884	2,95709	1,207271369	ENST00000542121	N/A	BI764345	N/A
A_23_P50399	8,1975	7,92577	1,207254633	ENST00000591385	90379	NM_138353	DCAF15
A_32_P232620	6,89822	6,6265	1,207246265	N/A	N/A	AK023827	Inc-PARN-3
A_22_P00022647	4,46981	4,19809	1,207246265	ENST00000446029	N/A	N/A	N/A
A_32_P80850	4,58144	4,30972	1,207246265	ENST00000309791	7373	NM_021110	COL14A1
A_23_P120194	12,664	12,3923	1,207229529	ENST00000392349	94101	NM_016467	ORMDL1
A_33_P3743508	11,4005	11,1288	1,207229529	ENST00000432783	158435	NR_033838	LOC158435
A_33_P3379215	2,00414	1,7325	1,207179323	ENST00000511618	N/A	N/A	N/A
A_22_P00011709	6,02759	5,75597	1,207162588	N/A	196047	NR_002791	EMX2OS
A_33_P3380051	4,4071	4,13551	1,207137486	ENST00000330655	255275	NM_001145113	MYADML2
A_22_P00004243	5,49274	5,22124	1,207062183	ENST00000563954	N/A	N/A	N/A
A_23_P58337	12,3624	12,0909	1,207062183	ENST00000514543	81608	NM_030917	FIP1L1
A_23_P74653	13,2378	12,9664	1,206978519	ENST00000321265	10726	NM_006600	NUDC
A_33_P3211604	13,0207	12,7493	1,206978519	ENST00000393436	5908	NM_015646	RAP1B
A_32_P514599	11,5617	11,2903	1,206978519	ENST00000388967	N/A	N/A	N/A
A_33_P3384229	4,04228	3,77098	1,20689486	ENST00000604758	N/A	N/A	N/A
A_23_P86386	4,92531	4,65403	1,206878129	ENST00000343381	79862	NM_024804	ZNF669
A_23_P86550	15,3177	15,0465	1,206811208	ENST00000541549	8661	NM_003750	EIF3A
A_33_P3235432	6,1874	5,9162	1,206811208	ENST00000460133	64802	NM_001297779	NMNAT1
A_24_P246518	2,427	2,15581	1,206802843	ENST00000299598	114780	NM_052892	PKD1L2
A_23_P90895	7,91078	7,63973	1,20668574	ENST00000460299	129285	NM_152994	PPP1R21
A_23_P48166	13,6164	13,3454	1,20664392	ENST00000547459	5756	NM_002822	TWF1
A_33_P3376434	9,59024	9,31929	1,206602101	ENST00000492939	55209	NM_001292043	SETD5
A_21_P0011041	17,9324	17,6615	1,206560284	N/A	N/A	N/A	XLOC_l2_002910
A_23_P117797	9,68395	9,41306	1,206551921	ENST00000249806	54982	NM_017882	CLN6
A_23_P40936	9,36093	9,09004	1,206551921	ENST00000478572	7182	NM_003298	NR2C2
A_24_P306443	8,19614	7,92531	1,206501743	ENST00000559466	100233156	NR_037871	LOC100233156
A_21_P0013807	5,58358	5,31277	1,206485018	ENST00000422914	N/A	N/A	N/A
A_33_P3300092	13,0938	12,823	1,206476655	ENST00000261797	3340	NM_001543	NDST1
A_33_P3333863	10,1798	9,90906	1,20642648	ENST00000411858	51622	NM_015622	CCZ1
A_22_P00006414	4,01548	3,74475	1,206418118	N/A	N/A	N/A	Inc-FBXO25-2
A_23_P251548	9,00965	8,73894	1,206401393	ENST00000478068	113419	NM_144582	TEX261
A_22_P00015795	8,50387	8,23323	1,20634286	N/A	N/A	BE669601	Inc-TARDBP-2

A_23_P63243	13,5794	13,3088	1,206309413	ENST00000483282	25912	NM_138740	C1orf43
A_24_P194508	9,79801	9,52745	1,206275968	ENST00000333933	474343	NM_001006683	SPIN2B
A_23_P119535	3,70673	3,43622	1,206234162	ENST00000215368	1943	NM_001405	EFNA2
A_33_P3293798	8,80334	8,53287	1,206200719	ENST00000400375	386677	NM_198691	KRTAP10-1
A_22_P00010633	5,5013	5,23091	1,206133835	N/A	N/A	N/A	Inc-NDUFV3-1
A_22_P00013821	2,1008	1,83043	1,206117114	N/A	N/A	N/A	Inc-RPE-2
A_22_P00024592	2,79603	2,52567	1,206108754	ENST00000519123	N/A	N/A	N/A
A_33_P3317628	15,641	15,3707	1,206058594	ENST00000331563	11187	NM_007183	PKP3
A_23_P157620	10,4091	10,1388	1,206058594	ENST00000436711	64760	NM_022749	FAM160B2
A_22_P00021592	1,82609	1,55593	1,205941563	N/A	N/A	N/A	Inc-TCTEX1D1-1
A_23_P123265	10,0382	9,76811	1,205883052	ENST00000395436	25870	NM_015411	SUMF2
A_33_P3249066	1,95927	1,6892	1,205866335	N/A	N/A	N/A	N/A
A_32_P194312	1,63765	1,36762	1,205832902	ENST00000392650	54549	NM_001144952	SDK2
A_21_P0012964	3,69946	3,42944	1,205824544	ENST00000504512	101928176	NR_125806	LINC01411
A_23_P42695	14,5911	14,3211	1,205807828	ENST00000005374	79017	NM_024051	GGCT
A_19_P00318152	12,4748	12,2049	1,20572425	ENST00000440918	128439	NR_003239	SNHG11
A_23_P169154	11,8753	11,6055	1,205640679	ENST00000339450	79956	NM_024896	ERMP1
A_23_P40952	10,9999	10,7302	1,205557113	ENST00000442415	5894	NM_002880	RAF1
A_22_P00024789	6,45543	6,18573	1,205557113	N/A	N/A	N/A	Inc-ZRANB1-2
A_33_P3407618	6,03457	5,76488	1,205548757	N/A	727751	NR_102747	LOC727751
A_23_P168551	3,2586	2,98894	1,205523688	ENST00000439491	222962	NM_001040661	SLC29A4
A_22_P00003999	4,47077	4,20112	1,205515332	ENST00000432511	730227	NR_034151	LINC01136
A_21_P0007655	3,07237	2,80274	1,20549862	ENST00000545642	101927464	NR_110053	LOC101927464
A_33_P3368500	12,0007	11,7311	1,205473553	ENST00000471199	51098	AK097603	IFT52
A_21_P0003236	2,08175	1,81215	1,205473553	N/A	N/A	N/A	Inc-ROBO2-4
A_22_P00008028	4,99658	4,72705	1,205415065	N/A	N/A	N/A	Inc-IGFALS-1
A_32_P83049	2,45942	2,18992	1,205389999	ENST00000403714	22979	NM_014971	EFR3B
A_23_P145463	8,40147	8,13197	1,205389999	ENST00000379660	51000	NM_015948	SLC35B3
A_23_P62588	4,03838	3,76889	1,205381644	ENST00000307786	163688	NM_138705	CALML6
A_21_P0007875	1,96832	1,69887	1,205348224	N/A	N/A	N/A	Inc-SLC38A2-1
A_21_P0014480	6,38302	6,11359	1,205331514	N/A	401068	BC028186	LOC401068
A_23_P11843	6,25437	5,98506	1,205231262	ENST00000367175	10446	NM_201630	LRRN2
A_22_P00024683	4,9803	4,71099	1,205231262	ENST00000556556	N/A	N/A	N/A

A_21_P0013313	3,19241	2,92312	1,205214554	N/A	N/A	N/A	XLOC_I2_013857
A_22_P00023351	6,98284	6,71359	1,205181139	ENST00000447206	N/A	N/A	N/A
A_33_P3254431	3,09752	2,82833	1,205131018	N/A	199990	AK054818	C1orf86
A_24_P383850	7,45293	7,18383	1,20505584	ENST00000356916	8672	NM_003760	EIF4G3
A_23_P209232	11,2735	11,0044	1,20505584	ENST00000320081	79745	NM_024692	CLIP4
A_32_P72110	6,00316	5,73413	1,204997372	N/A	5817	NM_006505	PVR
A_22_P00025921	2,07069	1,80167	1,20498902	ENST00000447651	N/A	N/A	N/A
A_19_P00320570	6,02714	5,75819	1,204930555	N/A	N/A	N/A	Inc-UBLCP1-4
A_23_P368145	7,8344	7,56547	1,204913851	ENST00000498166	92344	NM_152281	GORAB
A_33_P3311160	9,83096	9,56207	1,204880444	N/A	N/A	AB385295	N/A
A_21_P0013750	3,96267	3,69384	1,204830335	N/A	N/A	N/A	XLOC_I2_015441
A_24_P119131	8,65967	8,39084	1,204830335	ENST00000449592	144404	NM_001080825	TMEM120B
A_33_P3245709	11,2604	10,9916	1,204805282	ENST00000461147	57148	NM_020336	RALGAPB
A_23_P36753	11,1518	10,883	1,204805282	ENST00000261733	217	NM_000690	ALDH2
A_22_P00025168	3,2209	2,95211	1,204796931	N/A	101928119	XR_242649	LOC101928119
A_22_P00006131	2,01839	1,74961	1,20478858	ENST00000530896	101928989	NR_120571	LOC101928989
A_22_P00002672	3,70298	3,43426	1,204738475	N/A	N/A	N/A	Inc-C1orf31-1
A_23_P435610	9,89708	9,62837	1,204730125	ENST00000375208	23065	NM_015047	EMC1
A_24_P200427	13,1521	12,8834	1,204721774	ENST00000264221	10606	NM_001079525	PAICS
A_32_P18258	15,0766	14,8079	1,204721774	ENST00000319006	6888	NM_006755	TALDO1
A_24_P142442	12,7555	12,4869	1,204638272	ENST00000540200	26073	NM_015584	POLDIP2
A_23_P57413	5,84119	5,57265	1,204588174	ENST00000484588	9647	NM_014634	PPM1F
A_23_P313734	10,4227	10,1542	1,204554776	ENST00000531404	85459	NM_033395	CEP295
A_32_P83811	2,89383	2,62535	1,204538077	ENST00000424749	100129583	NM_001242936	FAM47E
A_21_P0002226	5,55647	5,288	1,204529728	ENST00000445738	339807	NR_034023	LOC339807
A_21_P0002550	1,86719	1,59892	1,204362756	N/A	N/A	N/A	Inc-COL6A3-2
A_24_P312189	9,63598	9,36772	1,204354408	ENST00000310512	56257	NM_019606	MEPCE
A_22_P00008782	6,0586	5,7904	1,204304322	ENST00000434596	N/A	N/A	N/A
A_33_P6815667	7,65186	7,38366	1,204304322	N/A	100505538	NR_038991	RBM26-AS1
A_23_P54477	15,4802	15,212	1,204304322	ENST00000328848	55505	NM_018648	NOP10
A_33_P3247753	6,62869	6,3605	1,204295974	ENST00000604411	9383	NR_003255	TSIX
A_23_P371254	6,2705	6,00235	1,204262584	ENST00000610639	259289	NM_176884	TAS2R43
A_19_P00812701	3,47125	3,20314	1,204229196	N/A	N/A	N/A	N/A

A_23_P356139	6,59355	6,32546	1,204212502	ENST00000238961	55719	NM_018121	FAM178A
A_21_P0014368	5,89393	5,62584	1,204212502	ENST00000596510	8605	AK124241	PLA2G4C
A_21_P0009977	3,44686	3,17881	1,204179114	N/A	N/A	N/A	Inc-TSHZ2-4
A_23_P43557	7,59225	7,32423	1,204154074	ENST00000491650	57706	NM_024820	DENND1A
A_24_P58204	3,80698	3,53908	1,20405392	ENST00000300773	282763	NM_001005567	OR51B5
A_22_P00016715	1,73879	1,4709	1,204045574	N/A	N/A	N/A	Inc-TRAPPC11-2
A_21_P0007170	5,33916	5,07128	1,204037228	N/A	N/A	N/A	Inc-OR51E1-1
A_33_P3334343	6,89243	6,62457	1,204020537	ENST00000570209	8924	NM_004667	HERC2
A_22_P00017158	3,83135	3,56359	1,203937083	ENST00000546615	N/A	N/A	N/A
A_33_P3345001	3,57969	3,31194	1,203928738	ENST00000441217	N/A	N/A	N/A
A_21_P0011500	8,46953	8,20179	1,203920393	ENST00000417964	100288069	NR_033908	LOC100288069
A_24_P366566	5,26239	4,99466	1,203912048	ENST00000354565	26341	NM_001005338	OR5H1
A_33_P3374030	5,15898	4,89133	1,203845291	ENST00000591705	N/A	AK125954	N/A
A_21_P0006943	1,90707	1,63947	1,20380357	N/A	N/A	N/A	Inc-ADARB2-1
A_32_P212802	7,92051	7,65295	1,203770194	N/A	101930277	XM_005276001	LOC101930277
A_22_P00005014	3,2054	2,93786	1,203753506	ENST00000442751	643355	NM_001270945	LOC643355
A_33_P3288491	4,17633	3,90882	1,203728475	ENST00000325995	340359	NM_001081675	KLHL38
A_33_P3297217	8,27715	8,00966	1,203711788	ENST00000507956	27163	NM_001042402	NAAA
A_23_P75921	9,10189	8,8344	1,203711788	ENST00000348124	7189	NM_145803	TRAF6
A_33_P3221129	2,06475	1,7973	1,203678414	ENST00000317449	221091	NM_203422	LRRN4CL
A_23_P39050	8,30953	8,04209	1,203670071	ENST00000341191	55552	NM_001080493	ZNF823
A_33_P3400843	2,43435	2,167	1,203594985	ENST00000334221	338761	NM_001008223	C1QL4
A_24_P58054	10,147	9,87975	1,203511561	ENST00000417961	23315	NM_015266	SLC9A8
A_21_P0009647	2,68194	2,41474	1,203469851	ENST00000567374	N/A	N/A	N/A
A_24_P282343	8,39651	8,12938	1,203411459	ENST00000463994	6792	NM_003159	CDKL5
A_22_P00016826	4,75712	4,49003	1,203378094	N/A	N/A	N/A	Inc-TRIP4-1
A_22_P00011907	5,47508	5,20802	1,203353071	N/A	N/A	N/A	Inc-PIK3R1-5
A_22_P00012829	6,84637	6,57931	1,203353071	N/A	100505894	NR_105019	TMEM161B-AS1
A_22_P00007299	6,41325	6,14637	1,203202942	ENST00000367282	9283	BC040156	GPR37L1
A_32_P154021	4,59862	4,33182	1,203136224	ENST00000324000	51046	NM_015879	ST8SIA3
A_21_P0000037	6,15548	5,88868	1,203136224	N/A	9753	NM_001163391	ZSCAN12
A_23_P500000	13,2469	12,9801	1,203136224	ENST00000349847	8796	NM_144777	SCEL
A_33_P3362371	8,45475	8,18797	1,203119545	ENST00000543123	10313	NM_001265591	RTN3



A_23_P203540	11,7043	11,4376	1,203052832	ENST00000257831	26298	NM_012153	EHF
A_33_P3354404	6,84904	6,58245	1,202961107	ENST00000360770	353323	NM_181684	KRTAP12-2
A_21_P0012984	4,96392	4,69736	1,202936093	N/A	N/A	N/A	Inc-FGF10-3
A_23_P53345	10,5936	10,3271	1,202886065	ENST00000395901	56938	NM_020183	ARNTL2
A_33_P3219260	11,9065	11,6402	1,202719321	ENST00000374454	51248	NM_016484	PDZD11
A_22_P00010866	2,19345	1,92717	1,202702648	ENST00000546412	N/A	CD688177	N/A
A_22_P00002430	5,23585	4,96959	1,202685975	N/A	N/A	BC031314	Inc-C14orf37-1
A_21_P0003361	2,45378	2,18754	1,202669303	ENST00000512678	100506827	XR_108545	LOC100506827
A_22_P00017002	3,1035	2,83735	1,202594279	N/A	N/A	N/A	Inc-TTC30B-1
A_24_P336705	12,067	11,8009	1,202552601	ENST00000471759	5876	NM_004582	RABGGTB
A_24_P181149	9,14429	8,87821	1,20253593	ENST00000393262	79738	NM_024685	BBS10
A_33_P3326382	3,4675	3,20154	1,20243591	ENST00000215095	112755	AK123137	STX1B
A_22_P00007902	4,84305	4,57712	1,202410906	ENST00000553270	N/A	CB106236	N/A
A_23_P19517	12,4654	12,1995	1,202385903	ENST00000605930	3710	NM_002224	ITPR3
A_22_P00008580	5,26588	5,00004	1,202335898	ENST00000452746	101929247	N/A	LINC01231
A_22_P00004665	2,44752	2,1817	1,20231923	N/A	N/A	AK093043	Inc-CTD-2054N24.2.1-2
A_22_P00020762	6,0757	5,80991	1,202294229	N/A	N/A	N/A	Inc-AGAP2-2
A_33_P3253596	8,33494	8,06915	1,202294229	ENST00000374403	24137	NM_012310	KIF4A
A_33_P3267562	7,72391	7,45817	1,202252562	ENST00000234392	25806	NM_012476	VAX2
A_23_P31489	9,45301	9,18734	1,202194229	ENST00000453200	55665	NM_001077664	URGCP
A_33_P3368358	7,50237	7,23671	1,202185896	ENST00000379433	4739	NM_182966	NEDD9
A_33_P3278877	3,27585	3,01024	1,202144232	ENST00000473767	6092	NM_001290065	ROBO2
A_21_P0002608	2,88875	2,62329	1,20201925	N/A	N/A	N/A	Inc-GLI2-4
A_21_P0006249	3,358	3,09259	1,201977591	N/A	101929382	XR_242528	LOC101929382
A_33_P3281018	6,5364	6,2711	1,201885949	ENST00000417032	154822	N/A	LINC00689
A_33_P3350988	2,28748	2,02219	1,201877618	ENST00000398796	388942	NR_033996	LOC388942
A_21_P0000205	6,75212	6,48688	1,201835965	ENST00000381786	348738	NM_182626	C2orf48
A_21_P0004058	4,31269	4,04746	1,201827634	ENST00000509456	N/A	N/A	N/A
A_23_P39356	4,70589	4,44068	1,201810973	ENST00000246553	2864	NM_005303	FFAR1
A_23_P23850	6,03595	5,77077	1,201785983	ENST00000371231	1600	NM_021080	DAB1
A_33_P3245168	4,85815	4,59299	1,201769323	ENST00000461131	346653	NM_001290254	FAM71F2
A_21_P0008469	2,01576	1,75067	1,201711014	ENST00000554142	N/A	N/A	N/A
A_22_P00003312	8,14115	7,87606	1,201711014	ENST00000576365	N/A	XM_005256006	N/A

A_22_P00012128	6,09507	5,82999	1,201702684	N/A	N/A	N/A	Inc-POLR1E-2
A_24_P316102	9,32891	9,06384	1,201694355	ENST00000430455	8028	NM_001195630	MLLT10
A_22_P00011819	3,82121	3,55615	1,201686025	N/A	N/A	N/A	Inc-PHF14-1
A_24_P943613	8,72163	8,45659	1,201669366	ENST00000261439	23216	NM_015173	TBC1D1
A_22_P00000104	9,2342	8,96917	1,201661037	N/A	N/A	XM_005268519	Inc-NDFIP1-3
A_23_P165007	6,26425	5,99927	1,201619391	ENST00000587287	115727	NM_170604	RASGRP4
A_33_P3415617	6,02171	5,75675	1,201602734	N/A	N/A	N/A	N/A
A_33_P3356637	2,2931	2,02816	1,201586076	N/A	N/A	N/A	N/A
A_22_P00017574	3,36682	3,10191	1,20156109	N/A	N/A	N/A	Inc-WDR60-7
A_22_P00019225	5,78852	5,52369	1,201494463	N/A	N/A	N/A	Inc-EIF3A-2
A_23_P372660	9,25756	8,99283	1,201411185	ENST00000394104	26130	NM_015635	GAPVD1
A_23_P113634	11,5873	11,3226	1,201386202	ENST00000290858	865	NM_001755	CBFB
A_23_P212213	10,7475	10,4828	1,201386202	ENST00000484006	25917	NM_015453	THUMPD3
A_33_P3330546	7,04609	6,78141	1,201369548	ENST00000513792	155061	NM_152557	ZNF746
A_23_P34527	9,8281	9,56356	1,201252972	ENST00000489992	80308	NM_025207	FLAD1
A_21_P0010632	6,36247	6,09796	1,201227993	N/A	N/A	N/A	XLOC_I2_001011
A_33_P3295738	7,17703	6,91252	1,201227993	ENST00000562761	1258	NM_001135639	CNGB1
A_21_P0000827	7,08434	6,81993	1,201144733	N/A	100506428	NR_038894	CBR3-AS1
A_24_P228667	10,8163	10,5519	1,201136407	ENST00000443660	64976	NM_003776	MRPL40
A_21_P0004813	4,16665	3,90226	1,201128081	N/A	N/A	N/A	Inc-IRF4-2
A_24_P391431	7,84675	7,5824	1,20109478	ENST00000341864	51616	NM_015975	TAF9B
A_21_P0011819	4,24004	3,97573	1,201061479	N/A	N/A	N/A	Inc-ZNF2-1
A_21_P0012679	7,09797	6,83374	1,200994879	ENST00000500092	101927282	N/A	LOC101927282
A_21_P0013423	2,00563	1,7414	1,200994879	ENST00000433337	N/A	N/A	N/A
A_33_P3273148	12,3951	12,1309	1,200969906	ENST00000316939	90480	NM_052850	GADD45GIP1
A_23_P89550	8,72641	8,46229	1,200903312	ENST00000617618	22861	NM_033004	NLRP1
A_23_P68998	6,20689	5,94289	1,200803427	ENST00000216075	55586	NM_017584	MIOX
A_19_P00317023	11,2732	11,0093	1,200720197	N/A	N/A	N/A	Inc-MYC-2
A_23_P204630	11,7942	11,5303	1,200720197	ENST00000343702	59277	NM_021229	NTN4
A_21_P0012810	2,00603	1,74215	1,200703552	ENST00000510975	N/A	N/A	N/A
A_21_P0010553	6,42097	6,15712	1,200678584	N/A	N/A	N/A	XLOC_I2_000399
A_23_P3193	10,737	10,4732	1,200636972	ENST00000163416	9950	NM_005113	GOLGA5
A_23_P372144	11,2231	10,9593	1,200636972	ENST00000221899	58509	NM_021231	CACTIN

A_23_P120933	17,3559	17,0921	1,200636972	ENST00000337304	468	NM_001675	ATF4
A_22_P00017026	5,14499	4,8812	1,20062865	ENST00000567837	N/A	BC042991	N/A
A_33_P3269864	3,82059	3,5568	1,20062865	N/A	284009	NR_028335	LOC284009
A_33_P3248272	8,51429	8,25058	1,200562075	ENST00000380154	7993	NM_005671	UBXN8
A_21_P0008758	6,08647	5,8228	1,200528789	N/A	N/A	N/A	Inc-MAN2C1-3
A_21_P0005540	4,96317	4,69952	1,200512146	N/A	N/A	N/A	Inc-ACTR3C-2
A_21_P0002041	4,36894	4,10529	1,200512146	N/A	102725386	N/A	LOC102725386
A_21_P0008215	9,12886	8,8653	1,200437257	N/A	101927712	XR_243074	LOC101927712
A_22_P00013416	4,57305	4,30949	1,200437257	ENST00000556773	N/A	BM931031	N/A
A_23_P111621	11,1988	10,9354	1,200304131	ENST00000486086	9569	NM_005685	GTF2IRD1
A_33_P3394517	8,88873	8,62534	1,200295811	ENST00000411546	23049	NM_015092	SMG1
A_33_P3230259	4,8957	4,63232	1,200287492	N/A	23397	NM_015341	NCAPH
A_22_P00003189	3,41295	3,14965	1,200220935	N/A	100996348	NR_121630	LOC100996348
A_23_P81760	6,5808	6,31755	1,20017934	ENST00000540719	9444	NM_006775	QKI
A_23_P353048	2,21107	1,94794	1,200079516	ENST00000623373	23145	NM_198455	SSPO
A_24_P318656	8,59096	8,32787	1,200046243	ENST00000559488	3690	NM_000212	ITGB3
A_21_P0012348	2,05452	1,79152	1,199971382	ENST00000424029	221223	NM_145024	CES5A
A_23_P115683	13,6433	13,3803	1,199971382	ENST00000299238	79803	NM_024747	HPS6
A_33_P3243957	5,22149	4,95858	1,199896527	ENST00000368686	26097	AK097870	CHTOP
A_33_P3239884	4,36175	4,09889	1,199854942	ENST00000284894	4685	NM_004540	NCAM2
A_23_P64661	3,32459	3,06176	1,199829992	ENST00000430041	64333	NM_032496	ARHGAP9
A_21_P0011657	5,49969	5,23688	1,199813359	N/A	N/A	N/A	XLOC_I2_006417
A_23_P111112	11,6487	11,3859	1,199805043	ENST00000542001	57176	NM_020442	VARS2
A_33_P3818959	8,77864	8,51602	1,199655356	ENST00000342066	148398	NM_152486	SAMD11
A_33_P3342160	9,12862	8,86607	1,19959715	ENST00000359933	55102	NM_018036	ATG2B
A_22_P00006575	5,30089	5,03841	1,199538947	N/A	100133991	NR_024435	MAP3K14-AS1
A_22_P00008813	10,0821	9,81962	1,199538947	N/A	102725022	N/A	LOC102725022
A_32_P155091	15,5315	15,2691	1,199472432	ENST00000325215	11273	NM_145714	ATXN2L
A_23_P12992	15,9729	15,7105	1,199472432	ENST00000537918	51504	NM_016404	TRMT112
A_23_P92230	9,19198	8,92975	1,199331101	ENST00000361875	9819	NM_014779	TSC22D2
A_32_P25514	9,64945	9,38724	1,199314474	ENST00000356592	2566	NM_198904	GABRG2
A_33_P3286873	4,47821	4,21602	1,199297848	ENST00000483825	919	AK128376	CD247
A_21_P0003556	3,70657	3,4444	1,199281223	N/A	N/A	N/A	Inc-PDE6B-1

A_24_P920125	10,0947	9,83255	1,199264597	ENST00000468812	5478	NM_021130	PPIA
A_33_P3234571	8,63482	8,37276	1,199189786	ENST00000526076	5606	NM_145109	MAP2K3
A_21_P0009739	6,27133	6,00928	1,199181474	N/A	N/A	N/A	Inc-S1PR2-1
A_21_P0001706	4,40064	4,13863	1,199148226	ENST00000502767	51177	N/A	PLEKHO1
A_33_P3398634	11,3621	11,1001	1,199139914	ENST00000445214	7942	NM_001271943	TFEB
A_33_P3290532	2,04011	1,77811	1,199139914	N/A	255480	NR_038440	TBX5-AS1
A_24_P414256	13,1321	12,8701	1,199139914	ENST00000477624	51372	AK126594	TMA7
A_24_P280378	9,61248	9,35054	1,199090044	ENST00000559767	9716	NM_014691	AQR
A_21_P0009268	5,10513	4,84325	1,199040176	N/A	N/A	N/A	Inc-MAP2K6-2
A_33_P3299125	1,98911	1,72726	1,199015243	N/A	N/A	N/A	N/A
A_33_P3360426	8,84237	8,58058	1,198965379	ENST00000264785	9948	NM_017491	WDR1
A_33_P3569068	9,64381	9,38209	1,198907206	ENST00000406869	8379	NM_003550	MAD1L1
A_33_P3216357	4,04475	3,78307	1,198873966	ENST00000349663	8242	NM_001146702	KDM5C
A_22_P00008117	5,58973	5,32811	1,198824107	N/A	N/A	AA505990	Inc-IL25-1
A_22_P00020323	1,91533	1,65374	1,198799178	N/A	N/A	N/A	Inc-ACOX3-2
A_33_P3336925	9,88044	9,61897	1,198699469	ENST00000511767	10611	NM_001256429	PDLIM5
A_33_P3319581	8,85265	8,59122	1,198666235	N/A	401720	NM_001013690	FIGNL2
A_33_P3303572	5,82999	5,56856	1,198666235	ENST00000525810	1896	NM_001005610	EDA
A_21_P0000343	5,07163	4,81022	1,198649618	N/A	677796	NR_002991	SNORA5C
A_24_P36847	11,0318	10,7704	1,198641309	ENST00000485081	1660	NM_001357	DHX9
A_23_P157215	14,0786	13,8172	1,198641309	ENST00000436868	28969	NM_014038	BZW2
A_22_P00010119	2,33524	2,07385	1,198633001	N/A	N/A	N/A	Inc-MRP63-6
A_21_P0012358	2,38587	2,12459	1,198541613	ENST00000418271	N/A	N/A	N/A
A_22_P00018488	4,78026	4,51901	1,19851669	N/A	N/A	DA967691	Inc-SNX24-1
A_23_P121082	10,6026	10,3414	1,198475154	ENST00000429644	2632	NM_000158	GBE1
A_23_P69058	12,7163	12,4551	1,198475154	ENST00000536378	4292	NM_000249	MLH1
A_33_P3348797	9,07506	8,81387	1,198466847	ENST00000338051	134553	NM_001135586	C5orf24
A_22_P00009613	1,93464	1,67347	1,198450232	N/A	101929472	NR_109945	CTD-2350J17.1
A_22_P00007255	8,5639	8,30276	1,198425312	N/A	N/A	N/A	Inc-GPR137C-1
A_33_P3374643	12,4882	12,2271	1,198392085	ENST00000376384	80227	NM_001267803	PAAF1
A_22_P00017823	4,45245	4,19143	1,198325634	N/A	N/A	N/A	Inc-ZC3H12B-3
A_33_P3319585	3,25331	2,9923	1,198317327	N/A	401720	NM_001013690	FIGNL2
A_23_P58082	10,8381	10,5771	1,198309021	ENST00000439685	151887	NM_199511	CCDC80

A_33_P3234043	5,02748	4,76659	1,198217658	ENST00000471755	649	AK291620	BMP1
A_19_P00318915	8,94184	8,68098	1,198192742	ENST00000522875	N/A	N/A	N/A
A_33_P3216448	5,58761	5,32677	1,198176132	ENST00000383088	1302	NM_001163771	COL11A2
A_33_P3244610	2,71516	2,45439	1,198117998	ENST00000381623	128646	NM_178460	SIRPD
A_33_P3239659	3,82865	3,5679	1,198101388	N/A	N/A	N/A	N/A
A_21_P0000001	2,74376	2,48303	1,198084779	ENST00000408955	135948	NM_001004685	OR2F2
A_22_P00014390	3,3182	3,05749	1,19806817	N/A	N/A	N/A	Inc-SFN-1
A_23_P49021	12,2508	11,9901	1,198059866	ENST00000560569	80349	NM_025234	WDR61
A_22_P00020809	4,42581	4,16514	1,198034953	N/A	644277	XR_110541	LOC644277
A_33_P3385656	5,80615	5,5456	1,197935308	ENST00000312349	408263	NM_001001343	FNDC9
A_24_P220454	8,88844	8,62799	1,197852276	ENST00000360264	1523	NM_181552	CUX1
A_33_P3251108	8,32551	8,06507	1,197843973	ENST00000359479	9197	NM_001190992	SLC33A1
A_33_P6570042	2,88031	2,61989	1,197827368	ENST00000451772	55857	AK296399	KIZ
A_22_P00011233	5,1375	4,8772	1,197727739	N/A	N/A	AK057939	Inc-OR10V1-1
A_33_P3421821	2,54399	2,28372	1,197702833	ENST00000448094	8398	NM_001004426	PLA2G6
A_23_P3186	11,3768	11,1166	1,197644722	ENST00000553865	8812	NM_001099402	CCNK
A_21_P0000304	7,12357	6,86337	1,197644722	N/A	654322	NR_002922	SNORA13
A_21_P0012274	10,4196	10,1595	1,19756171	ENST00000549484	642477	NR_122112	LINC01296
A_19_P00322418	5,43427	5,17419	1,197545109	ENST00000531443	55074	NM_018002	OXR1
A_33_P3317937	4,97148	4,71153	1,197437204	ENST00000334664	337975	NM_181615	KRTAP20-1
A_22_P00016399	4,42343	4,16353	1,197395705	N/A	80072	NR_027262	HEXA-AS1
A_23_P143190	10,2178	9,95792	1,197379105	ENST00000396863	4605	NM_002466	MYBL2
A_23_P429383	4,14269	3,88289	1,19731271	ENST00000249499	3235	NM_014213	HOXD9
A_33_P3367087	4,69694	4,43715	1,197304411	ENST00000466270	399818	NM_212554	METTL10
A_21_P0012884	9,10005	8,84026	1,197304411	ENST00000507841	728613	NR_003713	LOC728613
A_23_P311616	8,41741	8,15767	1,197262917	ENST00000397625	23210	NM_015167	JMJD6
A_33_P3351062	4,87406	4,61433	1,197254618	N/A	N/A	N/A	N/A
A_33_P3802558	8,27617	8,01645	1,197246319	N/A	N/A	BC015643	N/A
A_23_P148121	11,5812	11,3215	1,197229722	ENST00000309295	254102	NM_001099409	EHBP1L1
A_21_P0006697	5,31433	5,05464	1,197221423	ENST00000412362	N/A	N/A	N/A
A_24_P323941	7,5824	7,32272	1,197213125	ENST00000371328	200232	NM_001012971	FAM209A
A_32_P101860	8,17243	7,91278	1,19718823	N/A	113277	NM_001291586	TMEM106A
A_23_P130376	4,33501	4,07542	1,197138441	ENST00000538948	63895	NM_022068	PIEZO2

A_21_P0008268	2,44846	2,18889	1,197121845	N/A	N/A	N/A	Inc-GAS6-4
A_19_P00320972	2,2569	1,99733	1,197121845	ENST00000513116	3925	NM_001145454	STMN1
A_22_P00012272	5,96748	5,70794	1,197096952	N/A	N/A	N/A	Inc-PPP1R3D-2
A_21_P0012478	1,96716	1,70763	1,197088655	ENST00000414309	647323	N/A	LOC647323
A_23_P157465	9,62779	9,36827	1,197080357	ENST00000341403	7993	NM_005671	UBXN8
A_33_P3360753	5,62414	5,36468	1,197030573	ENST00000370221	3785	AK293727	KCNQ2
A_22_P00017739	4,54536	4,28591	1,197022276	N/A	114044	NR_110566	MCM3AP-AS1
A_33_P3295623	2,13249	1,87306	1,197005682	N/A	N/A	N/A	N/A
A_23_P413193	9,61319	9,35377	1,196997385	ENST00000369729	119392	NM_145247	SFR1
A_24_P192197	11,3754	11,116	1,196980791	ENST00000618555	56897	NM_130395	WRNIP1
A_33_P3302881	5,39801	5,13861	1,196980791	ENST00000407079	401265	NM_001003760	KLHL31
A_33_P3396872	2,1004	1,84104	1,196947604	N/A	79974	NM_001105533	CPED1
A_33_P3385516	2,06055	1,80125	1,196897825	ENST00000064571	140689	NM_080617	CBLN4
A_24_P409250	2,61745	2,35816	1,196889529	ENST00000534745	100500804	AK300203	MIR3654
A_23_P207194	3,89723	3,63794	1,196889529	ENST00000323322	2688	NM_000515	GH1
A_22_P00015645	6,35777	6,09854	1,196839753	N/A	N/A	N/A	Inc-SUPT6H-3
A_23_P14915	9,97545	9,71629	1,196781683	ENST00000262506	1459	NM_001896	CSNK2A2
A_21_P0007895	4,10975	3,85064	1,196740207	ENST00000539956	54621	N/A	VSIG10
A_33_P3226492	4,58978	4,33075	1,196673847	N/A	7879	AF119891	RAB7A
A_32_P69166	6,44603	6,18702	1,196657258	ENST00000393392	338699	NM_182603	ANKRD42
A_23_P217659	11,933	11,674	1,196648963	ENST00000453705	79184	NM_001018055	BRCC3
A_33_P3416171	2,68581	2,42682	1,196640669	ENST00000554321	100507043	N/A	TUNAR
A_21_P0010597	2,09894	1,83998	1,196615786	N/A	N/A	N/A	XLOC_I2_000738
A_24_P100673	13,5661	13,3072	1,196566021	ENST00000249209	51234	NM_016454	EMC4
A_23_P205177	4,38167	4,12285	1,196499671	ENST00000375559	2159	NM_000504	F10
A_22_P00002774	4,29624	4,03747	1,196458204	ENST00000415205	388906	NR_036498	OGFRP1
A_22_P00007541	2,11043	1,85168	1,196441618	ENST00000569178	101929288	XR_244239	LOC101929288
A_23_P142560	5,60017	5,34144	1,196425032	ENST00000558170	9839	NM_014795	ZEB2
A_33_P3340085	8,37833	8,1197	1,196342105	ENST00000339677	84271	NM_178136	POLDIP3
A_22_P00018099	3,69985	3,44123	1,196333812	N/A	N/A	N/A	Inc-ZNF397-1
A_33_P3324651	13,6142	13,3556	1,196317228	ENST00000433027	9584	NM_001242600	RBM39
A_21_P0002208	4,08719	3,82865	1,196267475	N/A	N/A	N/A	Inc-PRKCE-1
A_23_P78372	7,45629	7,19786	1,196176268	ENST00000621904	9984	NM_005131	THOC1

A_21_P0014378	5,60205	5,34369	1,19611823	ENST00000592362	284459	AK056243	HKR1
A_23_P403081	8,30411	8,04575	1,19611823	ENST00000506213	375444	NM_198566	C5orf34
A_19_P00809423	5,73616	5,47781	1,19610994	ENST00000421002	100874167	N/A	LINC00423
A_33_P3594654	9,95392	9,69561	1,196076777	N/A	79134	NM_024121	TMEM185B
A_22_P00004640	3,79765	3,53935	1,196068486	ENST00000557197	N/A	N/A	N/A
A_22_P00022663	5,91783	5,65954	1,196060196	N/A	N/A	N/A	Inc-RPL30-1
A_33_P3325131	10,115	9,85676	1,196018744	ENST00000503126	821	NM_001746	CANX
A_23_P502336	1,96415	1,706	1,195944135	ENST00000315576	30817	NM_013447	EMR2
A_33_P3343845	7,33523	7,07708	1,195944135	ENST00000490741	23492	NM_175709	CBX7
A_21_P0013769	10,5138	10,2557	1,195902688	ENST00000430422	2107	NM_001256302	ETF1
A_33_P3702055	5,92134	5,66324	1,195902688	ENST00000354352	6556	NM_000578	SLC11A1
A_24_P20777	18,1569	17,8988	1,195902688	ENST00000504562	6167	NM_000997	RPL37
A_21_P0009366	2,40508	2,14699	1,195894398	ENST00000570929	N/A	N/A	N/A
A_33_P3280044	14,3065	14,0485	1,195819797	ENST00000568100	29123	NM_001256182	ANKRD11
A_33_P3217028	11,1144	10,8564	1,195819797	ENST00000396854	10548	NM_001014842	TM9SF1
A_23_P432506	1,94463	1,68665	1,195803219	N/A	N/A	AK054875	Inc-GATA5-2
A_22_P00001850	5,19108	4,93314	1,195770065	N/A	100874242	NR_046701	PRICKLE2-AS2
A_22_P00011104	3,26583	3,00789	1,195770065	N/A	101929410	XR_245430	SUCLA2-AS1
A_22_P00023938	2,18563	1,9277	1,195761777	ENST00000520606	N/A	CD691743	N/A
A_23_P13344	17,7432	17,4853	1,195736912	ENST00000496634	1937	NM_001404	EEF1G
A_23_P31143	15,0203	14,7624	1,195736912	ENST00000392482	7164	NM_001003395	TPD52L1
A_33_P3538104	4,0889	3,83108	1,195670608	ENST00000569713	283854	XR_243451	CASC22
A_23_P368896	7,44523	7,18746	1,19562917	ENST00000622259	29934	NM_013346	SNX12
A_24_P240242	5,92487	5,66718	1,195562872	ENST00000477765	4134	NM_002375	MAP4
A_22_P00015290	3,58056	3,32294	1,195504864	N/A	N/A	N/A	Inc-SPCS2-1
A_23_P371215	2,09481	1,83726	1,195446859	ENST00000316386	29851	NM_012092	ICOS
A_32_P11471	17,695	17,4375	1,195405429	ENST00000526555	2197	NM_001997	FAU
A_23_P109547	10,3579	10,1004	1,195405429	ENST00000325301	54471	NM_019008	MIEF1
A_24_P4054	14,9429	14,6854	1,195405429	ENST00000488670	7205	NM_003302	TRIP6
A_33_P3321533	5,45552	5,19804	1,195388857	ENST00000563442	100507421	N/A	TMEM178B
A_24_P340800	6,40519	6,14774	1,195364	ENST00000453351	285268	NM_198484	ZNF621
A_33_P3222744	6,83374	6,57632	1,195339144	ENST00000620222	51351	NM_015852	ZNF117
A_24_P50908	9,22035	8,96294	1,195330858	ENST00000366699	81559	AK074623	TRIM11

A_22_P00002297	14,6609	14,4035	1,195322573	ENST00000535297	746	NM_014206	TMEM258
A_24_P143138	4,905	4,64762	1,195306002	ENST00000375135	2245	NM_004463	FGD1
A_33_P3420695	5,40125	5,14389	1,195289432	N/A	N/A	N/A	N/A
A_33_P3211793	5,39997	5,14264	1,195264577	ENST00000538304	729732	NR_047662	LOC729732
A_22_P00014205	5,65705	5,39972	1,195264577	ENST00000452867	100302401	NR_027982	RASAL2-AS1
A_21_P0008024	3,53533	3,27801	1,195256292	N/A	348021	NR_026852	LINC00442
A_21_P0005518	2,02868	1,77137	1,195248007	N/A	N/A	N/A	Inc-AC092031.1-1
A_23_P217609	18,0438	17,7865	1,195239722	ENST00000372849	6173	NM_021029	RPL36A
A_23_P45945	18,0005	17,7432	1,195239722	ENST00000469308	10209	NM_005801	EIF1
A_33_P3251408	2,16769	1,91045	1,195190015	N/A	N/A	N/A	N/A
A_33_P3319943	10,9334	10,6762	1,195156877	ENST00000480283	546	NM_000489	ATRX
A_33_P3274069	11,2271	10,9699	1,195156877	ENST00000216085	25807	NM_012265	RHBDD3
A_23_P157784	12,613	12,3558	1,195156877	ENST00000474848	84681	NM_032593	HINT2
A_21_P0009999	2,3397	2,08251	1,195148593	N/A	N/A	N/A	Inc-PRNT-1
A_33_P3296567	9,20006	8,94306	1,194991205	ENST00000405995	84726	NM_013318	PRRC2B
A_24_P322353	7,65494	7,39796	1,194974639	ENST00000588801	9050	NM_024430	PSTPIP2
A_21_P0014370	6,23861	5,98165	1,194958073	N/A	N/A	BX103273	N/A
A_23_P320878	8,13986	7,8829	1,194958073	ENST00000300209	25895	NM_206914	METTL21B
A_24_P400997	9,20774	8,95079	1,19494979	ENST00000320876	23347	NM_015295	SMCHD1
A_22_P00015306	4,88834	4,63143	1,19491666	N/A	N/A	DA214217	Inc-SPINK9-1
A_24_P363477	9,31962	9,06272	1,194908377	ENST00000486040	29960	NM_013393	FTSJ2
A_23_P330908	10,1024	9,84551	1,194900095	ENST00000524119	79139	NM_024295	DERL1
A_21_P0014351	7,91929	7,66243	1,194875248	N/A	100506325	NR_103856	SP2-AS1
A_33_P3346222	7,18813	6,93128	1,194866966	ENST00000480223	4439	NM_025259	MSH5
A_22_P00001971	4,35497	4,09819	1,194808992	ENST00000429944	6660	NM_001261414	SOX5
A_24_P520767	5,53885	5,28211	1,194775865	ENST00000443802	149351	XR_132798	LOC149351
A_33_P3339536	12,7832	12,5265	1,194742739	ENST00000332050	2130	NM_013986	EWSR1
A_23_P377888	11,0996	10,8429	1,194742739	ENST00000621063	22909	NM_014967	FAN1
A_23_P9465	11,8147	11,558	1,194742739	ENST00000460181	2356	NM_004957	FPGS
A_33_P3390102	15,8701	15,6134	1,194742739	ENST00000393033	10755	NM_005716	GIPC1
A_22_P00004933	5,11687	4,86021	1,194709614	N/A	N/A	BU072076	Inc-DBX1-3
A_21_P0009298	1,98148	1,72484	1,194693052	ENST00000581851	100289255	NR_036581	LINC00675
A_22_P00020557	5,88038	5,62382	1,194626806	N/A	N/A	N/A	Inc-AC010536.1-1



A_24_P263703	5,22407	4,96758	1,194568844	N/A	100130609	AF318327	PP12708
A_33_P3348234	6,45677	6,20043	1,194444649	N/A	N/A	AK024925	N/A
A_33_P3246774	4,32035	4,06402	1,194436369	N/A	N/A	N/A	XLOC_I2_015848
A_23_P2884	10,2656	10,0093	1,194411532	ENST00000559118	5283	NM_004569	PIGH
A_33_P3330099	10,7398	10,4836	1,194328745	ENST00000381154	414	NM_001669	ARSD
A_33_P3398065	10,8469	10,5907	1,194328745	ENST00000392483	7164	NM_001292026	TPD52L1
A_21_P0000757	3,54368	3,28748	1,194328745	ENST00000551726	100507377	NR_038300	LOC100507377
A_33_P3218584	12,3736	12,1174	1,194328745	ENST00000357500	51367	NM_015918	POP5
A_32_P21579	3,06263	2,80654	1,194237685	ENST00000354631	1787	NM_004412	TRDMT1
A_19_P00810894	5,41271	5,15664	1,19422113	ENST00000573229	286023	N/A	FLJ40288
A_22_P00011001	4,13504	3,87899	1,194204574	N/A	N/A	AK055679	Inc-NSMCE1-1
A_24_P403417	10,0163	9,76025	1,194204574	ENST00000481476	9536	NM_004878	PTGES
A_33_P3351249	9,05217	8,79619	1,194146633	ENST00000574412	58191	NM_001100812	CXCL16
A_22_P00017391	1,92145	1,6655	1,194121801	ENST00000582470	N/A	N/A	N/A
A_24_P56894	7,89337	7,63748	1,19407214	ENST00000324238	51379	NM_015986	CRLF3
A_24_P414712	7,28004	7,02418	1,19404731	ENST00000449261	27154	NM_015695	BRPF3
A_21_P0005754	3,17499	2,91915	1,194030757	N/A	N/A	N/A	Inc-UTP23-1
A_33_P3422233	10,2015	9,94567	1,194022481	ENST00000389851	57654	NM_020894	UVSSA
A_21_P0002636	5,24561	4,98979	1,194014205	N/A	N/A	N/A	Inc-FAM150B-1
A_21_P0003476	5,08998	4,83425	1,193939721	ENST00000507156	N/A	N/A	N/A
A_21_P0014890	2,52404	2,26833	1,193923169	N/A	100507548	AK130852	LOC100507548
A_21_P0006686	3,82684	3,57113	1,193923169	N/A	N/A	N/A	Inc-FAM22B-1
A_23_P476	12,3373	12,0816	1,193914894	ENST00000359523	9019	NM_003953	MPZL1
A_22_P00015297	2,81806	2,56244	1,193848691	N/A	N/A	N/A	Inc-SPG11-2
A_24_P201879	8,04386	7,78825	1,193840416	ENST00000521776	9724	NM_021645	UTP14C
A_33_P3289356	11,2665	11,0109	1,193832141	ENST00000369489	965	NM_001779	CD58
A_33_P3328609	8,18059	7,925	1,193823866	ENST00000426801	8502	NM_003628	PKP4
A_23_P110196	10,2569	10,0014	1,193749393	ENST00000502913	51191	NM_016323	HERC5
A_23_P127557	5,75314	5,49767	1,19372457	ENST00000531837	143879	NM_198439	KBTBD3
A_22_P00013851	2,87727	2,62182	1,193708022	N/A	N/A	N/A	Inc-RPL38-1
A_23_P142174	3,90472	3,64927	1,193708022	ENST00000302177	3171	NM_004497	FOXA3
A_22_P00022176	4,23525	3,97982	1,193691474	ENST00000429809	101927889	XR_246197	LINC01153
A_19_P00803697	4,87485	4,61943	1,1936832	N/A	N/A	N/A	Inc-EMX2-1

A_23_P390068	11,4951	11,2397	1,193666652	ENST00000215582	126353	NM_173481	MISP
A_23_P61551	9,15835	8,90298	1,19364183	ENST00000569466	10421	NM_006110	CD2BP2
A_32_P143048	7,24627	6,99098	1,193575643	ENST00000562515	9372	NM_004799	ZFYVE9
A_33_P3412945	11,9893	11,7341	1,193501186	ENST00000392485	6427	NM_003016	SRSF2
A_21_P0001213	3,14875	2,89357	1,193484641	ENST00000412162	100131234	N/A	MIR181A1HG
A_23_P169503	7,05132	6,79616	1,193468096	ENST00000421286	1056	NM_001807	CEL
A_33_P3421907	5,6394	5,38426	1,193451551	ENST00000580780	N/A	N/A	N/A
A_33_P3353343	7,13243	6,87733	1,193418462	ENST00000576894	23524	NM_016333	SRRM2
A_33_P3273063	7,40338	7,14833	1,193377102	ENST00000367402	348995	NM_198887	NUP43
A_23_P137848	12,3311	12,0761	1,193335743	ENST00000434558	79590	NM_145729	MRPL24
A_23_P12128	5,19885	4,94388	1,193310929	ENST00000369517	7252	NM_000549	TSHB
A_22_P00011082	1,84019	1,58524	1,193294386	N/A	N/A	N/A	Inc-NUDCD2-2
A_33_P3322945	5,49014	5,23521	1,193277843	ENST00000377185	387778	NM_001008778	SPDYC
A_21_P0007909	1,60199	1,34708	1,193261301	ENST00000561557	N/A	N/A	N/A
A_23_P139722	10,9619	10,707	1,19325303	ENST00000162749	7132	NM_001065	TNFRSF1A
A_23_P151907	7,86242	7,6076	1,193186864	ENST00000557794	5046	NM_002570	PCSK6
A_23_P153050	10,2723	10,0175	1,193170323	ENST00000399138	54890	NM_017758	ALKBH5
A_19_P00322662	2,10892	1,85414	1,193153782	ENST00000435479	283673	NR_026949	EWSAT1
A_22_P00011103	4,50155	4,24681	1,193120702	N/A	100873965	NR_046511	MED4-AS1
A_33_P3401701	3,25065	2,99593	1,193104161	ENST00000510697	1909	NM_001957	EDNRA
A_23_P136964	8,1973	7,9426	1,193087622	ENST00000474584	6103	NM_000328	RPGR
A_23_P77590	11,1067	10,8521	1,193004926	ENST00000571759	55697	NM_018052	VAC14
A_22_P00016831	3,24943	2,99489	1,192955311	N/A	N/A	BX099579	Inc-TRMT112-1
A_22_P00024641	6,51738	6,26285	1,192947042	ENST00000419060	N/A	AK090922	N/A
A_24_P307289	8,10777	7,85336	1,19284782	ENST00000576060	339168	NM_198154	TMEM95
A_33_P3289721	4,75042	4,49604	1,192823016	ENST00000395906	374286	NM_006382	CDRT1
A_33_P3346032	5,54743	5,29311	1,192773409	N/A	N/A	AK124942	Inc-GOLGA8J-2
A_22_P00000786	2,22869	1,97438	1,192765141	ENST00000453988	100129269	NR_034126	LINC01160
A_33_P3709317	8,69855	8,44424	1,192765141	N/A	677811	NR_002964	SNORA28
A_33_P3308740	5,38482	5,13053	1,192748606	ENST00000283195	5903	NM_006267	RANBP2
A_24_P221198	7,21515	6,96094	1,192682468	ENST00000398075	255374	NM_203397	MBLAC1
A_21_P0013895	4,19898	3,94481	1,1926494	ENST00000505047	N/A	N/A	N/A
A_33_P3399618	5,8698	5,61569	1,1925998	ENST00000344581	123103	NM_001109997	KLHL33

A_23_P34956	13,5381	13,284	1,192591534	ENST00000468006	65005	NM_031420	MRPL9
A_21_P0009825	2,00341	1,74934	1,192566735	ENST00000449270	101929371	N/A	LOC101929371
A_23_P416711	3,37349	3,11942	1,192566735	ENST00000328299	256435	NM_152996	ST6GALNAC3
A_24_P493287	4,82859	4,57453	1,192558468	N/A	N/A	AF119855	N/A
A_21_P0005246	1,77557	1,52153	1,192541936	N/A	N/A	N/A	Inc-STEAP1-1
A_24_P228717	11,3469	11,0929	1,192508872	ENST00000441619	5880	NM_002872	RAC2
A_22_P00012061	4,15888	3,90492	1,192475809	N/A	N/A	AL110176	Inc-PLOD2-2
A_22_P00019254	4,00856	3,75464	1,192442747	ENST00000553732	N/A	N/A	N/A
A_33_P3420852	8,96952	8,71582	1,192260923	ENST00000360202	84063	NM_199180	KIRREL2
A_33_P3327158	5,31085	5,05717	1,192244395	N/A	100131432	AK127761	LOC100131432
A_22_P00012142	5,13885	4,88518	1,192236131	N/A	N/A	N/A	Inc-POLR2L-1
A_19_P00802433	7,0923	6,83866	1,192211339	N/A	101927171	N/A	LINC01564
A_23_P12329	10,5425	10,2889	1,192178284	ENST00000360244	51107	NM_016022	APH1A
A_32_P90080	11,407	11,1534	1,192178284	ENST00000323716	83787	NM_031905	ARMC10
A_24_P53778	2,02738	1,77384	1,192128704	ENST00000494442	142683	NM_080878	ITLN2
A_24_P306726	16,3904	16,1369	1,192095652	ENST00000403538	7178	NM_003295	TPT1
A_33_P3291998	6,45017	6,19671	1,1920626	ENST00000495034	55103	AK001106	RALGPS2
A_33_P3685297	3,55137	3,29796	1,192021287	N/A	N/A	AJ276252	N/A
A_23_P74391	8,12913	7,87573	1,192013025	ENST00000463155	23596	NM_014322	OPN3
A_21_P0010494	7,7053	7,45191	1,192004763	N/A	N/A	N/A	Inc-PPIAL4G-4
A_33_P3343503	4,51485	4,26148	1,191988238	ENST00000554335	23034	NM_001161576	SAMD4A
A_22_P00020046	4,11664	3,86332	1,191946928	ENST00000502766	101927040	NR_110954	LOC101927040
A_22_P00006489	1,92903	1,67572	1,191938666	N/A	N/A	N/A	Inc-FGF10-4
A_33_P8733193	8,82087	8,56767	1,191847788	ENST00000532572	11098	NR_120593	PRSS23
A_24_P45476	7,34915	7,09601	1,191798222	ENST00000367818	6375	NM_002995	XCL1
A_22_P00010181	1,96775	1,71461	1,191798222	ENST00000511712	N/A	N/A	N/A
A_33_P3364051	7,11312	6,86004	1,191748657	ENST00000398793	8940	NM_003935	TOP3B
A_22_P00006391	1,957	1,70396	1,191715615	ENST00000591174	100996288	XR_158942	LOC100996288
A_32_P722809	4,56351	4,31047	1,191715615	ENST00000453166	N/A	BC034142	N/A
A_21_P0008733	3,91351	3,66048	1,191707355	N/A	N/A	N/A	Inc-RP11-90J19.1.1-3
A_21_P0003083	5,37863	5,12561	1,191699095	N/A	N/A	N/A	Inc-HES1-2
A_33_P3254121	6,11527	5,86227	1,191682575	ENST00000358165	8635	AK001769	RNASSET2
A_22_P00003314	5,84086	5,58791	1,191641275	N/A	N/A	N/A	Inc-CAPRIN2-2

A_22_P00001601	4,83029	4,57734	1,191641275	N/A	N/A	N/A	Inc-ARRB2-2
A_22_P00017727	6,17752	5,92463	1,191591717	ENST00000612654	55857	NM_001163023	KIZ
A_22_P00008188	2,90023	2,64734	1,191591717	ENST00000418523	N/A	N/A	N/A
A_21_P0010675	7,75494	7,50206	1,191583457	ENST00000427210	731275	NR_029401	LINC01347
A_24_P337746	10,0871	9,83427	1,191542161	ENST00000437078	27342	NM_014504	RABGEF1
A_22_P00011101	3,6812	3,42842	1,191500866	ENST00000522464	N/A	N/A	N/A
A_21_P0005743	2,10864	1,85586	1,191500866	N/A	N/A	N/A	Inc-GRHL2-7
A_23_P369987	9,89338	9,64065	1,191459572	ENST00000555330	9870	NM_001039479	AREL1
A_33_P3234643	8,70609	8,45343	1,191401764	ENST00000434316	55002	NM_017905	TMCO3
A_22_P00005066	2,21091	1,95831	1,191352216	N/A	N/A	N/A	Inc-DENR-1
A_23_P148475	10,3095	10,0569	1,191352216	ENST00000374403	24137	NM_012310	KIF4A
A_23_P52402	10,0397	9,78721	1,191261383	ENST00000455371	10531	NM_014889	PITRM1
A_21_P0014930	1,94925	1,69683	1,191203584	ENST00000417732	266697	NR_024592	POM121L4P
A_23_P30983	6,61461	6,36221	1,191187071	ENST00000296882	375519	NM_198568	GJB7
A_32_P52206	8,19058	7,93824	1,191137532	ENST00000620995	55253	NM_018264	TYW1
A_24_P410100	2,06799	1,81569	1,191104507	N/A	N/A	AF119882	N/A
A_23_P152858	13,7225	13,4702	1,191104507	ENST00000496655	55352	NM_018405	COPRS
A_24_P175427	8,26914	8,01688	1,191071483	ENST00000441707	92399	NM_199177	MRRF
A_22_P00020201	6,2303	5,97808	1,19103846	N/A	101929765	NR_120371	LINC01585
A_33_P3308553	6,43863	6,18642	1,191030204	ENST00000441105	N/A	N/A	N/A
A_24_P309360	11,4859	11,2338	1,190939396	ENST00000371142	56889	NM_020123	TM9SF3
A_21_P0012130	2,17359	1,92151	1,190922886	N/A	N/A	N/A	XLOC_I2_008692
A_22_P00017171	5,70202	5,44996	1,190906377	N/A	N/A	BE393031	Inc-UBLCP1-3
A_21_P0008781	2,16415	1,91211	1,190889867	ENST00000554440	104613533	NR_126501	LOC104613533
A_21_P0007094	2,0256	1,77361	1,190848595	N/A	N/A	N/A	Inc-KLF6-1
A_23_P13554	13,6285	13,3766	1,190774308	ENST00000526737	79053	NM_001007027	ALG8
A_23_P85453	2,24097	1,98911	1,190741294	ENST00000368034	51744	NM_016382	CD244
A_33_P3311646	10,3737	10,1219	1,190691773	N/A	N/A	N/A	N/A
A_22_P00024993	5,28167	5,02993	1,190642255	ENST00000416124	102724231	N/A	LOC102724231
A_19_P00316225	4,29978	4,0481	1,190592738	N/A	11170	NM_001282714	FAM107A
A_21_P0014039	6,74382	6,4922	1,190543224	ENST00000542061	57666	XM_005266181	FBRSL1
A_33_P3293265	4,15488	3,90327	1,190534972	ENST00000405916	N/A	N/A	N/A
A_22_P00012672	2,59707	2,34553	1,190477208	N/A	N/A	N/A	Inc-QKI-2

A_33_P3268567	11,922	11,6705	1,190444201	ENST00000393349	8440	NM_003581	NCK2
A_32_P209208	6,33283	6,08139	1,190394693	ENST00000409445	84698	NM_032606	CAPS2
A_33_P3273490	1,71089	1,45953	1,190328686	ENST00000379435	N/A	N/A	N/A
A_33_P3240263	9,29454	9,04322	1,190295683	ENST00000460403	51371	NM_015932	POMP
A_22_P00001115	2,81287	2,56157	1,190279182	ENST00000577807	N/A	N/A	N/A
A_23_P375147	10,9737	10,7224	1,190279182	ENST00000373670	54542	AK125196	RC3H2
A_22_P00007091	2,72775	2,47648	1,190254431	N/A	N/A	N/A	Inc-GLRB-2
A_23_P167828	12,4142	12,163	1,190196681	ENST00000487832	51389	NM_016104	RWDD1
A_19_P00804359	2,24578	1,99459	1,190188431	N/A	101928292	NR_120542	LINC01488
A_24_P62860	7,56153	7,31034	1,190188431	ENST00000263904	10254	NM_005843	STAM2
A_23_P20075	6,05638	5,80525	1,190138934	ENST00000546276	29881	NM_013389	NPC1L1
A_21_P0013818	5,46829	5,21716	1,190138934	N/A	N/A	N/A	XLOC_I2_015752
A_21_P0001394	2,71421	2,46309	1,190130684	N/A	N/A	N/A	Inc-CACNA1E-1
A_33_P3256510	4,19299	3,94187	1,190130684	ENST00000327876	56660	NM_022055	KCNK12
A_24_P36868	10,4738	10,2228	1,190031696	ENST00000414423	80232	NM_025160	WDR26
A_33_P3232120	5,35822	5,10726	1,189998702	ENST00000371468	N/A	N/A	N/A
A_23_P27005	8,04025	7,78929	1,189998702	ENST00000621143	79154	NM_024308	DHRS11
A_21_P0014237	8,32231	8,07136	1,189990454	N/A	N/A	BC042892	N/A
A_21_P0002582	3,10861	2,85769	1,189965709	N/A	N/A	N/A	Inc-SLC4A1AP-1
A_21_P0014694	8,90689	8,65605	1,189899725	N/A	101929910	XR_433240	LOC101929910
A_19_P00322624	3,73823	3,48751	1,189800756	N/A	N/A	N/A	XLOC_I2_010831
A_33_P3381022	6,08405	5,83335	1,189784262	ENST00000489498	23463	BC017037	ICMT
A_21_P0000204	3,03485	2,78418	1,189759521	ENST00000334680	337979	NM_181620	KRTAP22-1
A_22_P00012424	5,80888	5,55824	1,189734781	N/A	101927071	XR_243350	LOC101927071
A_24_P100234	8,56983	8,31919	1,189734781	ENST00000397641	22880	NM_014941	MORC2
A_33_P3303649	4,95306	4,70264	1,18955337	ENST00000443033	4151	NM_203377	MB
A_33_P3240507	10,5872	10,3368	1,189536879	ENST00000377474	115207	NM_138444	KCTD12
A_24_P728006	5,36021	5,10983	1,189520389	N/A	N/A	N/A	XLOC_I2_011874
A_23_P355623	9,48983	9,23946	1,189512143	ENST00000265742	54467	NM_019004	ANKIB1
A_33_P3295814	7,36736	7,11699	1,189512143	N/A	N/A	N/A	N/A
A_22_P00014753	3,39974	3,14938	1,189503898	N/A	N/A	N/A	Inc-SLC35E3-1
A_33_P3249489	7,50572	7,25538	1,189487409	ENST00000267522	112840	NM_001258272	WDR89
A_33_P3372451	14,2128	13,9625	1,189454429	ENST00000230431	10591	NM_199184	DNPH1

A_21_P0004503	5,99556	5,74527	1,189446185	N/A	257396	NR_034107	LOC257396
A_22_P00025115	7,02725	6,77698	1,189429696	ENST00000557232	N/A	N/A	N/A
A_23_P416142	10,1399	9,88964	1,189421451	ENST00000392382	1739	NM_004087	DLG1
A_33_P3327200	6,3559	6,10564	1,189421451	ENST00000341360	493	NM_001001396	ATP2B4
A_21_P0002459	2,01864	1,76838	1,189421451	N/A	N/A	N/A	Inc-EXOC6B-1
A_23_P66637	4,11079	3,86059	1,189371986	ENST00000344627	6442	NM_000023	SGCA
A_33_P3210909	11,2571	11,0069	1,189371986	ENST00000397105	6396	NM_001278946	SEC13
A_23_P48029	5,7556	5,50543	1,189347254	ENST00000345999	50856	NM_016184	CLEC4A
A_21_P0000347	10,0799	9,82977	1,189314278	ENST00000582965	677842	NR_002995	SNORA76C
A_22_P00013864	5,01641	4,76628	1,189314278	ENST00000558385	414926	NR_026764	LINC00593
A_21_P0013795	18,349	18,0989	1,189289547	ENST00000372849	6173	NM_021029	RPL36A
A_23_P19243	8,20211	7,9522	1,189132931	N/A	N/A	AF119870	N/A
A_23_P160631	14,5063	14,2564	1,189124688	ENST00000368262	7203	NM_005998	CCT3
A_23_P257726	9,99714	9,74734	1,189042267	ENST00000611338	51531	NM_016481	C9orf156
A_33_P3362088	12,5508	12,301	1,189042267	ENST00000499638	5025	NM_001256796	P2RX4
A_24_P88763	9,87208	9,62241	1,188935129	ENST00000264094	84695	NM_032603	LOXL3
A_24_P341187	9,26445	9,01479	1,188926888	ENST00000488292	57704	NM_020944	GBA2
A_21_P0013984	9,50333	9,25368	1,188918647	ENST00000418260	205	NM_001005353	AK4
A_22_P00020229	5,95648	5,70683	1,188918647	N/A	N/A	N/A	Inc-DALRD3-2
A_23_P107693	6,96036	6,71072	1,188910406	ENST00000396150	54807	NM_017652	ZNF586
A_33_P3417547	3,31782	3,06822	1,188877442	N/A	N/A	N/A	N/A
A_24_P144377	12,6968	12,4472	1,188877442	ENST00000331808	28955	NM_014015	DEXI
A_33_P3313635	6,63539	6,38589	1,188795039	N/A	N/A	BE561442	Inc-BOLA2B-1
A_23_P20494	15,2252	14,9757	1,188795039	ENST00000519278	10397	NM_006096	NDRG1
A_33_P3398917	6,35207	6,10262	1,188753839	ENST00000379822	388135	NM_001039614	C15orf59
A_33_P3238305	4,2179	3,96854	1,188679683	ENST00000399926	56911	NM_001286617	MAP3K7CL
A_22_P00008139	2,48504	2,23568	1,188679683	ENST00000418972	N/A	N/A	N/A
A_24_P356373	8,92037	8,67102	1,188671444	ENST00000561750	84264	NM_032304	HAGHL
A_33_P3238944	5,10797	4,8587	1,188605531	N/A	N/A	N/A	N/A
A_24_P384029	2,72936	2,48013	1,188572577	ENST00000456671	N/A	N/A	N/A
A_33_P3319860	2,76968	2,52052	1,188514908	ENST00000615885	25900	NR_036467	IFFO1
A_23_P424269	8,38988	8,14084	1,188416054	N/A	375748	NM_020207	ERCC6L2
A_33_P3353948	5,82234	5,57337	1,188358394	N/A	N/A	N/A	N/A

A_23_P77459	12,9203	12,6714	1,188300735	ENST00000563221	8883	NM_001018159	NAE1
A_21_P0013197	3,7899	3,54102	1,188284262	N/A	N/A	N/A	XLOC_I2_013383
A_24_P382630	9,85643	9,60758	1,188259553	ENST00000370823	26164	NM_015666	MTG2
A_22_P00008704	3,02265	2,77383	1,188234844	ENST00000567253	N/A	BX354304	N/A
A_33_P3251480	3,48432	3,23551	1,188226608	ENST00000499666	8649	NM_021970	LAMTOR3
A_23_P40072	11,2258	10,977	1,188218372	ENST00000425455	4528	NM_001005369	MTIF2
A_33_P3325336	14,5324	14,2837	1,188136013	ENST00000395772	N/A	N/A	N/A
A_23_P129014	10,5918	10,3431	1,188136013	ENST00000553871	90141	NM_145231	EFCAB11
A_23_P112412	12,2302	11,9815	1,188136013	ENST00000477648	54881	NM_017746	TEX10
A_33_P3399634	8,51684	8,26814	1,188136013	ENST00000529419	644943	NM_001080521	RASSF10
A_22_P00009237	5,56178	5,31311	1,188111307	ENST00000451149	N/A	N/A	N/A
A_22_P00011299	4,733	4,48434	1,188103072	N/A	150291	NR_026920	MORC2-AS1
A_22_P00015977	2,46707	2,21842	1,188094836	N/A	N/A	AK126789	Inc-TERF1-1
A_22_P00005367	2,11917	1,87059	1,188037191	ENST00000508998	N/A	N/A	N/A
A_33_P3417611	3,65887	3,41034	1,187996018	ENST00000611598	56104	NM_032095	PCDHGB1
A_33_P3563369	11,2381	10,9896	1,187971314	N/A	574042	BG987537	SNORA10
A_22_P00007805	5,82649	5,57806	1,187913675	ENST00000489695	3205	NM_152739	HOXA9
A_22_P00003929	4,95432	4,70589	1,187913675	N/A	N/A	N/A	Inc-CFH-1
A_22_P00024793	6,44798	6,19959	1,187880739	ENST00000308580	29766	AK125687	TMOD3
A_22_P00010666	6,13788	5,88953	1,187847805	N/A	N/A	N/A	Inc-NEO1-1
A_21_P0007970	4,80952	4,56123	1,187798405	ENST00000561786	101928698	NR_108094	LINC01070
A_23_P30204	8,37987	8,13163	1,187757239	ENST00000289448	57824	NM_021182	HMHB1
A_22_P00018269	5,14892	4,90078	1,187674913	ENST00000550908	N/A	DB459582	N/A
A_23_P127964	14,6131	14,365	1,187641984	ENST00000532709	5547	NM_199418	PRCP
A_24_P229389	4,00318	3,7551	1,18762552	ENST00000445000	401232	NR_026855	LINC01011
A_33_P3591761	7,5832	7,33523	1,187534972	ENST00000518333	157769	NM_144963	FAM91A1
A_33_P3280412	1,79299	1,54508	1,187485585	N/A	N/A	N/A	N/A
A_24_P681011	7,83351	7,5856	1,187485585	ENST00000406875	28996	NM_022740	HIPK2
A_23_P251660	11,4231	11,1752	1,187477354	ENST00000376545	23	NM_001025091	ABCF1
A_21_P0011842	11,7424	11,4945	1,187477354	ENST00000446998	9521	NM_001135650	EEF1E1
A_33_P3225230	13,2685	13,0207	1,187395047	ENST00000248054	23309	NM_015260	SIN3B
A_21_P0008475	2,87062	2,62285	1,187370356	N/A	101930294	N/A	LOC101930294
A_21_P0010340	5,415	5,16723	1,187370356	ENST00000442403	N/A	N/A	N/A

A_24_P114339	6,63335	6,38564	1,187320976	ENST00000283632	64795	NM_022780	RMND5A
A_33_P3424153	7,62228	7,3746	1,187296286	ENST00000445455	N/A	N/A	N/A
A_21_P0002523	2,19261	1,94496	1,187271597	N/A	N/A	N/A	Inc-KIAA1715-2
A_23_P152605	2,75781	2,5102	1,18723868	ENST00000301659	284110	NM_178171	GSDMA
A_22_P00002954	2,49417	2,24663	1,187181076	ENST00000514869	101929261	XR_241733	LOC101929261
A_22_P00025404	11,9481	11,7006	1,187148161	N/A	4046	NM_001242932	LSP1
A_21_P0009130	6,99342	6,74594	1,187131703	N/A	N/A	N/A	Inc-CMTM4-1
A_23_P91487	9,74085	9,49349	1,187032965	ENST00000486719	10069	NM_016940	RWDD2B
A_22_P00013678	2,08721	1,83986	1,187024737	N/A	N/A	N/A	Inc-RP11-6L6.2.1-1
A_23_P345460	9,39269	9,14535	1,187016509	ENST00000379344	25894	NM_001129728	PLEKHG4
A_21_P0006741	3,1105	2,86317	1,187008281	ENST00000446012	100507605	N/A	LINC00837
A_33_P3358233	7,81072	7,56356	1,186868418	ENST00000368223	10763	NM_006617	NES
A_23_P59787	11,0272	10,7801	1,186819059	ENST00000354926	51631	NM_016019	LUC7L2
A_22_P00024765	2,93536	2,68849	1,186629867	ENST00000454411	N/A	N/A	N/A
A_21_P0000632	4,05347	3,8066	1,186629867	N/A	100130855	NR_034080	USP3-AS1
A_19_P00322583	8,41302	8,1662	1,186588742	ENST00000523154	N/A	XR_425926	N/A
A_22_P00003109	10,8289	10,5821	1,186572292	N/A	N/A	N/A	Inc-C9orf103-1
A_23_P32861	10,5419	10,2951	1,186572292	ENST00000460469	51068	NM_015938	NMD3
A_22_P00009834	2,08188	1,83515	1,186514721	ENST00000439014	N/A	N/A	N/A
A_23_P83498	2,28607	2,03935	1,186506497	ENST00000290341	10642	NM_006546	IGF2BP1
A_33_P3358158	12,8789	12,6322	1,186490048	ENST00000382734	1416	NR_033733	CRYBB2P1
A_23_P428887	2,03682	1,79014	1,1864736	ENST00000379499	257240	NM_153270	KLHL34
A_21_P0004551	4,44352	4,19686	1,186457152	ENST00000505443	285577	NR_033898	LINC01019
A_21_P0009516	3,23985	2,99323	1,186424257	N/A	N/A	N/A	Inc-DLGAP1-1
A_33_P3395758	4,67304	4,4265	1,18635847	ENST00000555826	122525	NM_001017923	C14orf28
A_24_P91916	9,2599	9,01338	1,186342023	ENST00000218004	55916	NM_018698	NXT2
A_33_P3300635	11,9681	11,7216	1,186325577	ENST00000367080	5208	NM_006212	PFKFB2
A_21_P0000230	3,27119	3,02475	1,18627624	ENST00000551312	91380	NR_001293	SNORD107
A_32_P142028	14,5379	14,2915	1,18624335	ENST00000430246	3183	NM_031314	HNRNPC
A_21_P0010636	3,24164	2,99528	1,186210461	N/A	N/A	N/A	XLOC_I2_001011
A_24_P149645	13,2591	13,0128	1,186161129	ENST00000620341	22827	NM_014281	PUF60
A_33_P3375269	3,73896	3,49267	1,186152907	N/A	N/A	N/A	N/A
A_24_P367421	4,9107	4,66443	1,186136464	ENST00000528049	N/A	N/A	N/A



A_23_P118741	5,6467	5,40043	1,186136464	ENST00000308027	201232	NM_201566	SLC16A13
A_33_P3415445	7,91396	7,66772	1,186111799	ENST00000344908	10746	NM_006609	MAP3K2
A_22_P00023495	4,48519	4,23901	1,186062471	N/A	101927275	NR_110771	NDUFV2-AS1
A_23_P34537	9,64134	9,39518	1,186046029	ENST00000614058	2052	NM_000120	EPHX1
A_23_P140050	9,17288	8,92688	1,185914499	ENST00000464744	55578	NM_017569	SUPT20H
A_24_P336718	4,8336	4,58763	1,185889839	ENST00000367262	5877	NM_002871	RABIF
A_22_P00019325	5,32914	5,08321	1,18585696	N/A	N/A	N/A	Inc-MAP6-1
A_22_P00004030	3,31843	3,07257	1,185799423	N/A	N/A	N/A	Inc-CHPF2-1
A_32_P309404	5,06043	4,81458	1,185791204	N/A	6581	AK096980	SLC22A3
A_21_P0006930	2,02626	1,78043	1,185774765	N/A	N/A	N/A	Inc-GPR26-4
A_23_P88201	12,1407	11,8949	1,185750108	ENST00000557217	55012	NM_017917	PPP2R3C
A_33_P7465707	10,5588	10,3131	1,185667921	ENST00000256078	3845	NM_004985	KRAS
A_33_P3260016	11,9764	11,7307	1,185667921	ENST00000457368	121441	NM_152905	NEDD1
A_21_P0002409	2,00653	1,76084	1,185659703	N/A	N/A	N/A	Inc-OSR1-1
A_21_P0001743	5,05652	4,81091	1,185593958	N/A	N/A	N/A	Inc-KCNN3-2
A_24_P278299	11,763	11,5174	1,18558574	ENST00000459912	79754	NM_024701	ASB13
A_23_P369471	4,36496	4,11939	1,185561086	ENST00000335674	353142	NM_178431	LCE3A
A_24_P392151	2,87387	2,62838	1,185495347	ENST00000308963	254439	NM_001136485	C11orf86
A_22_P00023476	5,29082	5,04538	1,185454261	N/A	N/A	N/A	Inc-TELO2-2
A_19_P00318013	12,7808	12,5354	1,185421394	ENST00000432153	128439	NR_003239	SNHG11
A_33_P3237734	2,74077	2,4954	1,185396744	ENST00000506325	166614	NM_001040261	DCLK2
A_21_P0006415	5,34992	5,10466	1,185306366	N/A	N/A	N/A	Inc-MBTPS2-1
A_22_P00003007	3,65181	3,40655	1,185306366	N/A	N/A	N/A	Inc-C6orf70-3
A_33_P3343545	8,51079	8,26555	1,185289934	ENST00000313582	4793	NM_002503	NFKBIB
A_33_P3229452	7,99198	7,74675	1,185281718	N/A	401157	AK126441	FLJ44477
A_23_P19590	13,8149	13,5697	1,185257071	ENST00000367075	7430	NM_003379	EZR
A_22_P00018190	5,00832	4,76316	1,185224209	N/A	N/A	CV399373	Inc-ZNF609-2
A_23_P52373	9,1592	8,91407	1,185199563	ENST00000309979	8509	NM_003635	NDST2
A_22_P00019428	3,71636	3,47125	1,185183133	N/A	N/A	DA338616	Inc-NMNAT1-3
A_24_P250535	10,7826	10,5375	1,185174918	ENST00000246024	56255	NM_021156	TMX4
A_23_P42335	13,4012	13,1561	1,185174918	ENST00000229769	2178	NM_021922	FANCE
A_22_P00009979	7,43038	7,1853	1,185158488	ENST00000575792	100129781	XR_109259	LOC100129781
A_22_P00005850	5,52898	5,28393	1,185133844	ENST00000623764	N/A	N/A	N/A

A_23_P308581	13,1788	12,9338	1,185092771	ENST00000244496	88745	NM_033112	RRP36
A_33_P3274478	6,09391	5,84893	1,185076342	ENST00000344651	84747	NM_001080533	UNC119B
A_23_P69310	6,78726	6,54229	1,185068128	ENST00000400882	9034	NM_003965	CCRL2
A_33_P3371910	8,51501	8,27005	1,185059914	ENST00000358367	92906	NM_138394	HNRNPLL
A_33_P3376541	4,21446	3,96952	1,185043485	N/A	285033	NR_046322	STARD7-AS1
A_24_P365972	1,99022	1,74534	1,184994202	N/A	286359	N/A	LOC286359
A_33_P3327818	8,21889	7,97403	1,184977774	ENST00000624522	N/A	AL157466	N/A
A_22_P00025610	1,6026	1,35786	1,184879215	N/A	N/A	DB052738	Inc-SP110-1
A_24_P318967	12,318	12,0733	1,184846363	ENST00000398078	8566	NM_003681	PDXK
A_33_P3348159	9,76223	9,51771	1,184698544	ENST00000458153	4289	NM_001145354	MKLN1
A_32_P130577	7,03379	6,78939	1,184600007	N/A	N/A	BC066989	N/A
A_33_P3875570	1,90212	1,65774	1,184583585	N/A	100628314	BQ013595	LOC100628314
A_24_P81514	4,29005	4,04571	1,184550742	ENST00000371703	10556	NM_006413	RPP30
A_23_P85543	9,26548	9,02114	1,184550742	ENST00000367509	6045	NM_007212	RNF2
A_22_P00019293	2,4072	2,16287	1,184542531	ENST00000520162	N/A	N/A	N/A
A_33_P3289145	11,044	10,7997	1,1845179	ENST00000473228	10920	NM_198189	COPS8
A_33_P3312682	13,3152	13,0709	1,1845179	ENST00000170168	57455	NM_020695	REXO1
A_24_P203315	5,14637	4,90207	1,1845179	ENST00000531936	254263	NM_182553	CNIH2
A_33_P3220818	10,9278	10,6835	1,1845179	ENST00000592224	6294	NM_001201338	SAFB
A_22_P00003859	6,72636	6,48212	1,184468638	N/A	N/A	AF086337	Inc-CELA3A-2
A_24_P4334	6,47906	6,23482	1,184468638	ENST00000357058	152006	NM_194328	RNF38
A_33_P3209802	2,01097	1,7668	1,184411169	ENST00000617752	81472	NM_198074	OR2C3
A_33_P3805090	6,45512	6,21095	1,184411169	ENST00000264433	57600	NM_020840	FNIP2
A_23_P255257	10,0007	9,75657	1,18437833	ENST00000361264	25853	NM_015397	DCAF12
A_33_P3414487	13,432	13,1879	1,184353702	ENST00000430270	114049	NM_001202560	WBSCR22
A_33_P3349414	11,513	11,2689	1,184353702	ENST00000373464	23099	NM_014007	ZBTB43
A_21_P0000501	6,77147	6,52739	1,184337284	ENST00000530564	692223	NR_004403	SNORD97
A_33_P3418611	10,0146	9,77052	1,184337284	ENST00000601693	100287226	NM_001242680	ZNF729
A_23_P163647	15,9357	15,6917	1,184271612	ENST00000562238	1632	NM_001919	ECI1
A_23_P36825	9,73988	9,49594	1,18422236	ENST00000542056	9052	NM_003979	GPRC5A
A_23_P427299	5,18125	4,93733	1,184205944	N/A	646652	XR_427693	LOC646652
A_33_P3292060	5,43324	5,18936	1,184173111	ENST00000513929	55422	NM_018555	ZNF331
A_21_P0009696	3,11788	2,874	1,184173111	N/A	N/A	N/A	Inc-AC011467.1-1

A_33_P3242632	2,13907	1,89523	1,184140279	ENST00000419965	646743	NR_033930	LOC646743
A_33_P3230558	2,18942	1,9456	1,184123864	ENST00000380664	161436	NM_183387	EML5
A_33_P3273669	2,16322	1,9194	1,184123864	ENST00000406859	9378	NM_004801	NRXN1
A_24_P328819	9,02056	8,77676	1,184107448	ENST00000506426	60684	NM_199053	TRAPPC11
A_23_P93988	11,7419	11,4981	1,184107448	ENST00000056217	7984	NM_005435	ARHGEF5
A_23_P376686	7,38249	7,13874	1,184066411	ENST00000374993	56244	NM_019602	BTNL2
A_21_P0012105	6,12826	5,88451	1,184066411	ENST00000440809	N/A	N/A	N/A
A_33_P3732466	9,352	9,10828	1,184041789	N/A	100506282	XR_110899	LOC100506282
A_23_P167081	8,08328	7,83966	1,183959721	ENST00000622863	5978	NM_005612	REST
A_23_P357985	6,52628	6,28274	1,18389407	ENST00000272454	729540	NM_001037866	RGPD6
A_22_P00005233	6,33799	6,09453	1,183828423	N/A	154449	N/A	LOC154449
A_23_P207461	2,41086	2,16752	1,183729959	ENST00000451037	56934	NM_020178	CA10
A_23_P88489	8,79215	8,54884	1,183705344	ENST00000321596	117155	NM_172095	CATSPER2
A_33_P3338116	5,03592	4,7927	1,183631503	ENST00000305544	3913	NM_002292	LAMB2
A_33_P3330453	10,3511	10,1079	1,183615094	ENST00000356770	55193	NM_018313	PBRM1
A_23_P345942	11,3928	11,1497	1,183533055	ENST00000296597	91942	NM_174889	NDUFAF2
A_22_P00003251	2,66687	2,42384	1,183475631	ENST00000495536	N/A	N/A	N/A
A_23_P215341	10,0882	9,84518	1,183467428	ENST00000222803	55033	NM_017946	FKBP14
A_24_P135753	11,0109	10,7679	1,183451022	ENST00000383657	201562	AL832532	PTPLB
A_24_P377269	13,9015	13,6585	1,183451022	ENST00000617819	3308	NM_002154	HSPA4
A_22_P00016253	4,38103	4,13818	1,183327982	ENST00000559992	101928227	N/A	LOC101928227
A_33_P3287253	2,0251	1,78227	1,183311578	N/A	100128401	AK124497	LOC100128401
A_23_P117727	9,81993	9,57711	1,183303376	ENST00000560717	123263	NM_139242	MTFMT
A_21_P0014364	2,74742	2,5046	1,183303376	N/A	N/A	N/A	N/A
A_33_P3251685	8,19196	7,94917	1,18327877	ENST00000311765	57546	NM_020786	PDP2
A_21_P0001658	1,94644	1,70366	1,183270568	N/A	N/A	N/A	Inc-FAM213B-3
A_22_P00008240	6,23335	5,99064	1,183213157	ENST00000555512	102724190	NR_110553	LOC102724190
A_24_P839254	10,6542	10,4115	1,183204956	ENST00000295959	11102	NM_001098783	RPP14
A_22_P00003974	7,69152	7,44883	1,183196754	ENST00000556519	N/A	N/A	N/A
A_23_P63521	2,69366	2,451	1,183172151	ENST00000368783	353140	NM_178429	LCE2C
A_22_P00003607	2,38506	2,14244	1,183139347	N/A	N/A	N/A	Inc-CD302-1
A_33_P3407675	10,7488	10,5062	1,183122945	ENST00000367830	261726	NM_001031800	TIPRL
A_23_P218086	11,7242	11,4817	1,18304094	ENST00000541517	53373	NM_001143819	TPCN1

A_21_P0002433	3,6388	3,39636	1,18299174	N/A	N/A	N/A	Inc-ZFP36L2-1
A_33_P3298267	5,02417	4,78176	1,18296714	N/A	N/A	N/A	N/A
A_23_P118306	13,4608	13,2184	1,182958941	ENST00000612103	9093	NM_005147	DNAJA3
A_24_P132276	6,07536	5,83303	1,182901545	ENST00000369046	55278	NM_018292	QRSL1
A_21_P0014786	5,83045	5,58813	1,182893345	N/A	100507663	AK129895	LOC100507663
A_33_P3236259	5,04288	4,80058	1,182876947	ENST00000452342	N/A	BX398892	N/A
A_21_P0007163	5,6279	5,38561	1,182868748	N/A	N/A	N/A	Inc-APOA4-1
A_33_P3251322	7,73262	7,49038	1,182827754	ENST00000606184	64419	AK128312	MTMR14
A_21_P0002654	4,26793	4,02571	1,182811356	N/A	N/A	N/A	Inc-TRMT61B-4
A_22_P00015533	7,05625	6,81405	1,182794959	ENST00000518704	N/A	N/A	N/A
A_23_P340318	16,2728	16,0306	1,182794959	ENST00000534355	280636	NM_170746	C11orf31
A_23_P48481	8,075	7,83281	1,182786761	ENST00000468382	5890	NM_133510	RAD51B
A_21_P0000124	5,37744	5,13526	1,182778562	ENST00000468589	163486	NM_001195216	DENND1B
A_24_P405298	10,2849	10,0428	1,182712977	ENST00000296122	5500	NM_002709	PPP1CB
A_23_P160809	10,9786	10,7365	1,182712977	ENST00000468893	22796	NM_007357	COG2
A_33_P3393684	7,60221	7,36013	1,182696581	ENST00000368100	391123	NM_001013661	VSIG8
A_22_P00002311	1,64173	1,39965	1,182696581	N/A	N/A	N/A	Inc-C11orf36-3
A_23_P101516	5,97129	5,72935	1,182581817	ENST00000477616	3748	NM_004977	KCNC3
A_21_P0014257	4,07814	3,83621	1,18257362	ENST00000368619	282974	XR_424193	STK32C
A_23_P436138	7,05232	6,81042	1,182549029	ENST00000246163	4149	NM_145114	MAX
A_22_P00023250	4,87247	4,63063	1,18249985	N/A	N/A	N/A	Inc-NBPF3-4
A_21_P0013051	2,32595	2,08417	1,182450672	N/A	101930151	N/A	LOC101930151
A_22_P00004086	4,91538	4,67373	1,182344127	N/A	N/A	N/A	Inc-CISD2-4
A_19_P00804093	5,43755	5,19595	1,182303151	ENST00000507096	91050	NM_173463	CCDC149
A_22_P00015677	1,96364	1,72205	1,182294956	N/A	N/A	N/A	Inc-SYK-3
A_21_P0002940	7,78969	7,54811	1,182286761	ENST00000606069	N/A	N/A	N/A
A_24_P276102	5,50048	5,25893	1,182262176	ENST00000344359	5933	NM_183404	RBL1
A_23_P35820	14,8448	14,6033	1,182221203	ENST00000526975	1072	NM_005507	CFL1
A_33_P3309201	2,52754	2,28607	1,182196619	ENST00000562840	100506581	AK125749	C16orf95
A_33_P3421325	7,20203	6,96059	1,182172036	ENST00000478850	158431	NM_001001662	ZNF782
A_33_P3240512	11,2356	10,9942	1,18213926	ENST00000377474	115207	NM_138444	KCTD12
A_33_P3308101	8,48619	8,2448	1,182131066	ENST00000624628	N/A	XR_428276	N/A
A_33_P3650224	4,83509	4,59371	1,182122872	ENST00000422194	100132994	NM_001145139	CXorf49B

A_33_P3316093	4,02498	3,78361	1,182114678	N/A	N/A	N/A	N/A
A_21_P0003879	2,7677	2,52633	1,182114678	ENST00000623933	441058	NR_038377	MGC39584
A_33_P3421867	7,85267	7,61131	1,182106485	ENST00000373401	266727	AK126965	MDGA1
A_23_P257945	11,4756	11,2343	1,182057323	ENST00000380762	3052	NM_005333	HCCS
A_21_P0000388	6,07171	5,83045	1,18202455	N/A	692207	NR_003072	SNORD91A
A_22_P00005733	2,25067	2,00942	1,182016357	N/A	N/A	BU661971	Inc-EMILIN2-1
A_24_P297480	3,93391	3,69268	1,181999971	ENST00000267291	140432	NM_178861	RNF113B
A_21_P0014473	8,26814	8,02695	1,181967199	ENST00000458030	N/A	XR_245004	N/A
A_32_P176018	2,5194	2,2783	1,181893467	ENST00000617065	81569	NM_030812	ACTL8
A_22_P00007909	2,29773	2,05667	1,181860698	N/A	N/A	AK128174	Inc-HSPA4-2
A_22_P00009478	6,30715	6,0661	1,181852506	N/A	N/A	BE622226	Inc-MAGEA4-1
A_23_P83351	4,99376	4,75272	1,181844314	ENST00000362057	25861	NM_015404	DFNB31
A_23_P142322	12,416	12,175	1,181811547	ENST00000593128	1153	NM_001280	CIRBP
A_23_P397969	10,8092	10,5682	1,181811547	ENST00000473637	3607	NM_004514	FOXK2
A_23_P141302	9,89036	9,64945	1,181737824	ENST00000454073	7566	NM_144680	ZNF18
A_22_P00025001	1,82602	1,58513	1,181721442	ENST00000552167	N/A	N/A	N/A
A_21_P0012547	2,36525	2,12442	1,181672296	ENST00000484092	N/A	N/A	N/A
A_23_P92602	8,57613	8,33532	1,181655915	ENST00000515578	79963	NR_002451	ABCA11P
A_21_P0008801	7,15093	6,91013	1,181647724	N/A	N/A	N/A	Inc-ADAMTS17-1
A_23_P138058	11,5803	11,3395	1,181647724	ENST00000477976	26155	NM_015658	NOC2L
A_33_P3683362	4,53321	4,29246	1,181606772	N/A	N/A	BC035844	Inc-RNF125-2
A_22_P00013526	5,59646	5,35573	1,181590392	ENST00000413833	100287114	NR_034026	LINC00421
A_33_P3333648	5,22998	4,98928	1,181565822	ENST00000341449	390064	NM_001004754	OR51I2
A_24_P161261	5,10855	4,86787	1,181549442	ENST00000432940	441273	NM_001031618	SPDYE2
A_21_P0013435	1,97929	1,73866	1,181508493	ENST00000416366	285908	XR_432187	LINC00174
A_23_P82979	4,86138	4,62079	1,181475735	ENST00000462567	10319	NM_006059	LAMC3
A_22_P00010841	2,65426	2,41367	1,181475735	N/A	N/A	N/A	Inc-NOL11-1
A_33_P3292198	4,0346	3,79413	1,181377467	ENST00000375523	140732	NM_080675	SUN5
A_21_P0007502	7,17778	6,93732	1,181369278	ENST00000489452	100287569	NR_027345	LINC00173
A_24_P336759	12,3632	12,1228	1,181320148	ENST00000369026	4170	NM_021960	MCL1
A_33_P3390387	1,7835	1,54311	1,181311959	N/A	N/A	N/A	N/A
A_21_P0011503	4,76718	4,52679	1,181311959	ENST00000595170	N/A	XM_006726629	N/A
A_23_P81121	11,7292	11,4889	1,181238267	ENST00000509980	5393	NM_005033	EXOSC9

A_33_P3333078	8,15702	7,91681	1,18116458	ENST00000346085	57492	NM_020732	ARID1B
A_23_P100220	12,1571	11,9169	1,181156393	ENST00000473183	80004	NM_024939	ESRP2
A_33_P6822486	8,73343	8,49327	1,181123645	ENST00000547492	100506844	NR_038269	LOC100506844
A_22_P00013494	4,33267	4,09257	1,181074524	ENST00000519032	N/A	DB028566	N/A
A_22_P00013823	5,49503	5,25499	1,181025406	N/A	100874211	NR_046706	MID1IP1-AS1
A_22_P00016015	5,66186	5,42184	1,181009034	N/A	101060264	NR_126417	FOXP4-AS1
A_33_P3304764	4,92244	4,68243	1,181000847	N/A	N/A	N/A	N/A
A_23_P10911	7,08843	6,84844	1,180984475	ENST00000280800	196463	NM_173542	PLBD2
A_21_P0002612	5,71703	5,47705	1,18097629	N/A	N/A	N/A	Inc-GPR39-2
A_21_P0007766	2,48439	2,24448	1,18091899	N/A	N/A	N/A	Inc-TBX3-3
A_21_P0001263	2,52196	2,28205	1,18091899	N/A	N/A	N/A	Inc-VPS13D-1
A_24_P5550	8,64134	8,40147	1,180886248	ENST00000613632	79142	NM_024297	PHF23
A_33_P3612589	10,533	10,2932	1,180828952	ENST00000480283	546	NM_000489	ATRX
A_33_P3303355	7,97605	7,73635	1,180747106	ENST00000605784	644353	N/A	ZCCHC18
A_33_P3240229	10,2168	9,97718	1,180681634	ENST00000262367	1387	NM_004380	CREBBP
A_32_P98298	5,99438	5,75482	1,180632532	ENST00000399571	1850	NM_004420	DUSP8
A_21_P0013323	6,75128	6,51176	1,180599798	N/A	101929463	XR_426202	LOC101929463
A_23_P141315	10,7755	10,536	1,180583431	ENST00000442241	54475	NM_001014445	NLE1
A_24_P398130	7,38968	7,15019	1,180575248	ENST00000277575	9712	NM_014688	USP6NL
A_23_P254081	9,31537	9,07591	1,180550699	ENST00000340169	11019	NM_006859	LIAS
A_22_P00001139	5,01949	4,78009	1,180501603	N/A	101928830	XR_246023	LOC101928830
A_23_P57293	8,83475	8,59535	1,180501603	ENST00000382751	9875	NM_014825	URB1
A_33_P3367748	3,01339	2,77402	1,180477055	ENST00000461118	1298	BC065715	COL9A2
A_22_P00017919	2,87035	2,63113	1,180354325	ENST00000509212	N/A	N/A	N/A
A_24_P111054	4,74367	4,50455	1,180272512	ENST00000377414	6518	BC035878	SLC2A5
A_23_P23646	4,43373	4,1947	1,180198885	ENST00000473969	7391	NM_007122	USF1
A_23_P11984	8,41021	8,17119	1,180190704	ENST00000360584	6536	NM_201649	SLC6A9
A_22_P00025311	1,65853	1,41955	1,180157983	N/A	N/A	N/A	Inc-ARSI-1
A_22_P00021996	1,82549	1,58654	1,180133442	N/A	N/A	BX090126	Inc-AHI1-1
A_23_P390726	2,03028	1,79138	1,180092543	ENST00000514080	153657	NM_144725	TTC23L
A_23_P259135	12,7123	12,4734	1,180092543	ENST00000471897	23054	NM_014071	NCOA6
A_22_P00002240	10,6717	10,4328	1,180092543	N/A	N/A	N/A	Inc-C10orf114-1
A_33_P3351811	3,65821	3,41937	1,180043465	N/A	N/A	N/A	N/A

A_23_P350451	4,95112	4,71229	1,180035286	ENST00000613999	639	NM_001198	PRDM1
A_33_P3393734	6,68898	6,45017	1,180018927	ENST00000392558	6232	N/A	RPS27
A_22_P00013943	4,27337	4,0346	1,17998621	ENST00000436082	N/A	DB073256	N/A
A_24_P203407	6,4261	6,1874	1,179928958	ENST00000396825	128486	NM_001080472	FITM2
A_22_P00008940	2,04528	1,80658	1,179928958	ENST00000564363	N/A	N/A	N/A
A_33_P3235925	11,6495	11,4108	1,179928958	ENST00000469763	79706	NM_024653	PRKRIP1
A_32_P146659	4,99526	4,7566	1,179896244	N/A	401431	NR_027040	ATP6V0E2-AS1
A_22_P00017775	3,28485	3,0462	1,179888066	N/A	100507218	NR_040017	RNF157-AS1
A_24_P75072	11,5834	11,3448	1,179847175	ENST00000503306	23583	NM_014311	SMUG1
A_23_P29855	12,4636	12,2251	1,179765397	ENST00000514213	8615	NM_003715	USO1
A_21_P0007901	3,7774	3,53892	1,179749042	N/A	N/A	N/A	Inc-DHX37-10
A_32_P167396	4,97217	4,73369	1,179749042	N/A	100873985	NM_001289773	MED14OS
A_22_P00014460	4,26616	4,02774	1,179699979	N/A	100506749	XR_108380	AGAP1-IT1
A_33_P3315021	7,01493	6,77657	1,179650917	ENST00000416673	118433	N/A	RPL23AP7
A_23_P41664	4,65947	4,42114	1,179626387	ENST00000334994	100130733	NM_181506	LRRC70
A_33_P3238573	12,5224	12,2841	1,179601858	ENST00000361217	9909	NM_014856	DENND4B
A_23_P212423	4,25425	4,01597	1,179585505	ENST00000207870	9942	NM_005108	XYLB
A_21_P0003392	2,19118	1,95304	1,179471043	ENST00000442020	N/A	N/A	N/A
A_23_P110445	10,1174	9,87926	1,179471043	ENST00000511896	10307	NM_006051	APBB3
A_33_P3266993	1,95485	1,71672	1,179462868	N/A	N/A	AK130024	N/A
A_23_P2355	9,79852	9,5604	1,179454692	ENST00000550411	23468	NM_012117	CBX5
A_21_P0013455	4,5439	4,3058	1,179438342	ENST00000481762	79970	N/A	ZNF767P
A_33_P3314902	8,73218	8,49412	1,179405641	ENST00000421745	57448	NM_016252	BIRC6
A_23_P131899	12,6012	12,3632	1,179356592	ENST00000360779	27111	NM_080489	SDCBP2
A_22_P00020989	4,28783	4,04983	1,179356592	N/A	N/A	DA725978	Inc-CHTF8-2
A_21_P0010303	7,88628	7,64834	1,179307545	N/A	N/A	N/A	Inc-C21orf67-5
A_23_P145035	6,38469	6,14676	1,179299371	ENST00000297792	221656	NM_153042	KDM1B
A_33_P3355408	5,99813	5,76022	1,179283022	N/A	100128126	NR_038406	STAU2-AS1
A_22_P00003469	4,79328	4,5554	1,1792585	N/A	N/A	N/A	Inc-CCDC68-1
A_24_P273742	2,75447	2,51659	1,1792585	ENST00000256367	23508	NM_015351	TTC9
A_21_P0009507	4,41728	4,1794	1,1792585	N/A	N/A	N/A	Inc-SALL3-2
A_32_P226567	8,98084	8,74298	1,179242152	ENST00000578315	65110	NM_023011	UPF3A
A_22_P00009281	15,8026	15,5648	1,17919311	ENST00000371542	389816	NM_001013653	LRRC26

A_33_P3249509	9,61057	9,37279	1,179176763	ENST00000589164	4782	NM_205843	NFIC
A_23_P200096	8,23462	7,9969	1,179127724	ENST00000377399	80176	NM_025106	SPSB1
A_23_P251916	10,8327	10,595	1,179111377	ENST00000406452	51115	NM_016033	RMDN1
A_33_P3410274	2,20618	1,96854	1,179062341	ENST00000421233	N/A	N/A	N/A
A_23_P152272	13,3534	13,1158	1,179029651	ENST00000565678	10921	NM_006711	RNPS1
A_24_P337419	4,6988	4,46121	1,179021478	ENST00000296736	81789	NM_030953	TIGD6
A_33_P3393370	6,76341	6,52589	1,178964273	N/A	N/A	N/A	N/A
A_21_P0007574	1,83387	1,59643	1,178898899	N/A	N/A	N/A	Inc-CAND1-1
A_23_P88710	13,6865	13,4491	1,178866214	ENST00000568067	25963	NM_015497	TMEM87A
A_23_P102037	8,77887	8,54147	1,178866214	ENST00000263960	80219	NM_025147	COQ10B
A_23_P355439	4,70762	4,47028	1,178817187	ENST00000297012	221613	NM_170745	HIST1H2AA
A_23_P68059	9,90041	9,66316	1,178743651	ENST00000463744	84759	NM_032673	PCGF1
A_21_P0010386	4,93104	4,69379	1,178743651	ENST00000444890	100271722	NR_027036	LINC00899
A_19_P00322333	5,9354	5,69817	1,17872731	ENST00000578280	101059954	XR_172435	LOC101059954
A_22_P00003932	7,96955	7,73241	1,17865378	ENST00000434645	8837	NM_001202519	CFLAR
A_32_P149492	9,09227	8,85517	1,178621101	ENST00000369373	200030	NM_183372	NBPF11
A_21_P0012069	1,57771	1,3407	1,178547577	ENST00000441598	N/A	N/A	N/A
A_33_P3294679	2,07284	1,83586	1,17852307	N/A	140771	NR_024007	SMCR5
A_21_P0009600	2,62661	2,38966	1,178498563	N/A	N/A	N/A	Inc-NDUFV2-1
A_22_P00021273	2,97876	2,74183	1,178482226	N/A	N/A	AL117542	Inc-MAP6-3
A_21_P0000237	10,931	10,6941	1,178457721	N/A	574042	NR_002327	SNORA10
A_22_P00023839	3,12082	2,88395	1,178433215	ENST00000538731	100996246	XR_158871	LOC100996246
A_22_P00005450	2,41508	2,17836	1,178310698	ENST00000434398	400804	NR_024236	C1orf140
A_23_P309720	1,90946	1,67275	1,17830253	ENST00000378585	2563	NM_000815	GABRD
A_23_P3221	15,032	14,7953	1,178294363	ENST00000568606	58472	NM_021199	SQRDL
A_19_P00318243	6,93943	6,70277	1,178261694	N/A	101928857	N/A	CTD-3080P12.3
A_33_P3280779	6,6883	6,45165	1,178253527	ENST00000372274	80195	NM_001270374	TMEM254
A_33_P3232544	11,9452	11,7086	1,178212693	N/A	N/A	N/A	N/A
A_23_P39616	9,42005	9,18347	1,178196359	ENST00000464147	4999	NM_006190	ORC2
A_23_P83579	6,74803	6,51146	1,178188193	ENST00000533983	9915	NM_014862	ARNT2
A_33_P3331237	6,55524	6,31868	1,178180026	ENST00000394123	10146	N/A	G3BP1
A_22_P00016650	5,1005	4,86395	1,17817186	N/A	N/A	N/A	Inc-TP53I11-6
A_21_P0012008	3,61506	3,37853	1,178155527	N/A	N/A	N/A	XLOC_l2_007395



A_33_P3317073	4,61368	4,37715	1,178155527	ENST00000309395	92597	NM_001244766	MOB1B
A_33_P3336038	15,7016	15,4651	1,178131028	N/A	N/A	N/A	N/A
A_33_P3327444	5,47588	5,23939	1,178122862	N/A	571	NR_027655	BACH1
A_23_P367816	9,14625	8,9098	1,178090198	N/A	92017	NM_032167	SNX29
A_22_P00003150	2,28725	2,05081	1,178082032	N/A	N/A	AL700760	Inc-C9orf3-1
A_24_P180242	3,85038	3,61396	1,1780657	ENST00000467087	57620	NM_020860	STIM2
A_33_P3260146	4,62292	4,38655	1,178024872	ENST00000277198	84909	NM_001193329	C9orf3
A_33_P3265935	5,46484	5,22859	1,177926891	N/A	N/A	N/A	N/A
A_24_P130026	12,1257	11,8895	1,177886068	ENST00000445922	9529	NM_001015049	BAG5
A_24_P84021	6,85341	6,61725	1,17785341	ENST00000513286	N/A	XM_005265789	N/A
A_33_P3291816	4,22713	3,99098	1,177845246	ENST00000323319	53842	NM_001111319	CLDN22
A_23_P92424	12,0761	11,84	1,177804426	ENST00000254803	57050	NM_020368	UTP3
A_24_P51683	6,48671	6,25064	1,177779934	ENST00000302625	8941	NM_003936	CDK5R2
A_21_P0011936	3,11327	2,87727	1,17772279	ENST00000612359	N/A	XR_427131	N/A
A_21_P0007654	5,11609	4,88013	1,177690137	N/A	N/A	N/A	Inc-TMEM132B-2
A_23_P84995	4,27412	4,03817	1,177681974	ENST00000374852	55613	NM_017677	MTMR8
A_33_P3271975	5,34516	5,10926	1,177641159	N/A	100132368	AK131565	LOC100132368
A_21_P0011654	12,6293	12,3934	1,177641159	ENST00000539604	642799	NM_001277324	NPIPA2
A_23_P31602	13,1148	12,8789	1,177641159	ENST00000473447	8896	NM_003910	BUD31
A_24_P37887	12,9767	12,7408	1,177641159	ENST00000380007	285601	NM_199243	GPR150
A_23_P17430	9,32734	9,09144	1,177641159	ENST00000356208	55544	NM_017495	RBM38
A_33_P3280606	6,26323	6,02735	1,177624833	ENST00000334187	N/A	BX641018	N/A
A_23_P50735	6,8824	6,64652	1,177624833	ENST00000459757	339318	NM_001029997	ZNF181
A_33_P3351189	2,62507	2,38921	1,177608508	ENST00000403226	100129603	N/A	LOC100129603
A_32_P83784	9,93297	9,69713	1,177592183	ENST00000303965	116984	NM_015230	ARAP2
A_19_P00319525	8,74584	8,51001	1,177584021	N/A	100130890	NM_001195131	TSTD3
A_33_P7299171	10,4838	10,248	1,177559534	ENST00000232892	13	NM_001086	AADAC
A_23_P149626	11,0268	10,791	1,177559534	ENST00000377732	57449	NM_198681	PLEKHG5
A_23_P325075	9,1548	8,91905	1,177518723	ENST00000369485	8732	NM_003800	RNGTT
A_23_P301372	9,20559	8,96986	1,1775024	ENST00000405303	202018	NM_153365	TAPT1
A_23_P309619	10,5825	10,3468	1,177477914	ENST00000358431	85379	NM_001145206	KIAA1671
A_23_P74114	10,45	10,2143	1,177477914	ENST00000616557	349075	NM_182633	ZNF713
A_24_P312692	10,7655	10,5298	1,177477914	ENST00000378852	8539	NM_006595	API5

A_24_P227585	9,39104	9,15535	1,177469753	ENST00000379151	55425	NM_018559	GPALPP1
A_32_P18159	7,39384	7,15817	1,17745343	ENST00000379380	90624	NM_181705	LYRM7
A_23_P390032	6,6228	6,38717	1,177420784	ENST00000427197	159371	NM_153226	SLC35G1
A_21_P0010413	3,46121	3,22561	1,177396301	N/A	N/A	N/A	Inc-MCM5-1
A_22_P00024447	2,02143	1,78597	1,177282051	N/A	N/A	N/A	Inc-KIAA1147-4
A_24_P95439	9,9386	9,70315	1,177273891	ENST00000612826	833	NM_001014437	CARS
A_33_P3417620	5,74139	5,50596	1,17725757	ENST00000380308	8233	BC065719	ZRSR2
A_21_P0007815	2,85397	2,61854	1,17725757	N/A	N/A	N/A	Inc-RAD51AP1-1
A_23_P37191	14,5758	14,3404	1,17723309	ENST00000425762	5693	NM_002797	PSMB5
A_33_P3387272	14,4644	14,229	1,17723309	ENST00000455918	1915	NM_001402	EEF1A1
A_22_P00001250	8,12576	7,8904	1,177200451	ENST00000562996	N/A	XM_001127575	N/A
A_33_P3213362	4,98148	4,74615	1,177175972	N/A	255082	NR_026939	CASC2
A_22_P00021933	11,1575	10,9222	1,177151494	ENST00000506807	8974	NM_004199	P4HA2
A_21_P0013711	2,12053	1,88529	1,177102538	N/A	N/A	N/A	Inc-METTL11A-2
A_24_P7790	3,3341	3,09888	1,17708622	ENST00000330523	280664	NM_172006	WFDC10B
A_23_P252106	11,0191	10,7839	1,177069902	ENST00000522965	8767	NM_003821	RIPK2
A_24_P185986	9,03574	8,80057	1,177045426	ENST00000373379	139596	NM_145052	UPRT
A_22_P00005098	4,10597	3,87083	1,177020951	N/A	N/A	N/A	Inc-DHCR7-1
A_33_P3406836	1,68244	1,44732	1,177004634	ENST00000319595	3355	NM_000866	HTR1F
A_23_P345564	4,50802	4,27291	1,176996475	ENST00000349451	4987	NM_182647	OPRL1
A_23_P312132	2,1413	1,9062	1,176988317	ENST00000571644	3687	NM_000887	ITGAX
A_21_P0014717	5,75511	5,52004	1,176963842	N/A	N/A	N/A	N/A
A_22_P00021723	8,91539	8,68034	1,176947526	N/A	101927078	XR_251845	LOC101927078
A_23_P31654	18,0548	17,8198	1,176906737	ENST00000529920	6132	NM_000973	RPL8
A_33_P3321993	4,57047	4,33549	1,176890422	N/A	N/A	N/A	N/A
A_22_P00007372	3,35653	3,12159	1,176857792	ENST00000561926	102725415	AL162037	LOC102725415
A_33_P3233550	15,8975	15,6626	1,176825163	ENST00000402434	57142	NM_020532	RTN4
A_33_P3312877	10,7263	10,4914	1,176825163	ENST00000327351	203260	NM_174923	CCDC107
A_21_P0009629	8,12337	7,88847	1,176825163	ENST00000591487	101927921	NR_110792	LINC01478
A_24_P135579	9,35748	9,12266	1,176759908	ENST00000456500	N/A	N/A	N/A
A_33_P3283669	6,84967	6,61488	1,176735438	ENST00000545399	478	NM_001256214	ATP1A3
A_21_P0014018	8,18415	7,94938	1,176719125	N/A	100652736	NR_103767	LINC01311
A_32_P221799	9,51032	9,27559	1,1766865	N/A	8336	NM_003514	HIST1H2AM

A_33_P3340718	9,54088	9,30615	1,1766865	ENST00000611820	7403	NM_001291415	KDM6A
A_33_P3326682	8,67659	8,44186	1,1766865	ENST00000367975	6391	NM_003001	SDHC
A_33_P3386716	12,1051	11,8704	1,176662032	ENST00000367188	84919	NM_032833	PPP1R15B
A_23_P84334	9,93903	9,70437	1,176629408	ENST00000438581	55254	NM_018266	TMEM39A
A_23_P42241	5,25571	5,02108	1,176604941	ENST00000377154	81696	NM_030876	OR5V1
A_23_P131778	13,0103	12,7757	1,176580475	ENST00000373605	63905	NM_022077	MANBAL
A_21_P0009054	3,34247	3,10792	1,176539698	N/A	N/A	N/A	Inc-PMFBP1-2
A_33_P3382919	5,28561	5,05107	1,176531543	N/A	100130587	NR_110634	LOC100130587
A_21_P0009655	5,80484	5,57038	1,176466304	ENST00000326989	284365	N/A	MGC45922
A_21_P0001371	7,14744	6,91298	1,176466304	ENST00000625153	100131827	NM_001290209	ZNF717
A_33_P3331752	3,48666	3,25245	1,176262456	ENST00000614399	4584	NM_005960	MUC3A
A_24_P87763	14,842	14,6078	1,176254302	ENST00000309311	1938	NM_001961	EEF2
A_24_P272845	5,25191	5,01777	1,176205384	ENST00000266037	1795	NM_004947	DOCK3
A_23_P106720	9,07574	8,84166	1,176156468	ENST00000569792	10607	NM_006453	TBL3
A_19_P00800244	6,27185	6,03777	1,176156468	N/A	N/A	N/A	N/A
A_33_P3290914	7,18319	6,94917	1,176107554	ENST00000463684	8243	NM_001281463	SMC1A
A_33_P3421748	9,38138	9,14736	1,176107554	N/A	6651	NM_001291411	SON
A_23_P380815	10,0932	9,8592	1,17609125	ENST00000361983	26128	NM_015634	KIAA1279
A_23_P157147	14,3549	14,121	1,176009733	ENST00000396709	55146	NM_018106	ZDHHC4
A_21_P0006468	4,44538	4,21152	1,175977127	N/A	N/A	N/A	Inc-IDS-5
A_33_P3367438	2,12675	1,89303	1,175863015	ENST00000554719	9369	NM_004796	NRXN3
A_33_P3242304	4,70447	4,47077	1,175846714	ENST00000312693	7142	NM_005425	TNP2
A_33_P3318292	13,2661	13,0324	1,175846714	ENST00000357214	6421	NM_005066	SFPQ
A_32_P64038	9,91634	9,68266	1,175830414	N/A	400590	BC062632	LOC400590
A_33_P3395396	9,60542	9,37175	1,175822264	ENST00000337995	147923	XM_006723039	ZNF420
A_32_P89352	5,65488	5,42122	1,175814113	ENST00000217246	140733	NM_080676	MACROD2
A_33_P3285251	5,55405	5,3204	1,175805963	ENST00000376386	N/A	AK310550	N/A
A_33_P3317725	6,86233	6,62869	1,175797813	ENST00000399196	401247	AK098012	LINC00243
A_32_P148710	14,4256	14,192	1,175765214	ENST00000440986	1072	NM_005507	CFL1
A_33_P3307297	1,89849	1,66492	1,175740765	N/A	10777	XM_005264810	ARPP21
A_24_P401645	6,17522	5,94168	1,175716316	ENST00000616371	11154	NM_001254728	AP4S1
A_22_P00024575	8,12305	7,88951	1,175716316	N/A	N/A	N/A	Inc-UMODL1-5
A_33_P3210079	12,0321	11,7986	1,175683719	ENST00000221494	8175	NM_007165	SF3A2

A_33_P3254666	6,9979	6,76445	1,175642973	N/A	84445	AK097997	LZTS2
A_23_P331598	10,9399	10,7065	1,175602229	ENST00000379719	10527	NM_006391	IPO7
A_21_P0009565	3,50735	3,27409	1,175488154	N/A	N/A	N/A	Inc-RNF152-3
A_33_P3278659	3,9988	3,76557	1,17546371	ENST00000412872	N/A	AB128832	N/A
A_22_P00011858	3,87493	3,64171	1,175455563	N/A	N/A	N/A	Inc-PHYHIP-2
A_24_P391853	11,8599	11,6267	1,175439268	ENST00000392417	N/A	N/A	N/A
A_21_P0012807	2,38673	2,15357	1,175406678	ENST00000511993	N/A	N/A	N/A
A_23_P205255	7,56608	7,33293	1,175398531	ENST00000454394	91833	NM_001242417	WDR20
A_22_P00004929	2,41817	2,18507	1,175357795	N/A	N/A	N/A	Inc-DBT-2
A_21_P0010564	3,32477	3,09168	1,175349648	N/A	N/A	N/A	XLOC_I2_000471
A_24_P40229	8,73071	8,49766	1,175317061	ENST00000490258	51340	NM_016652	CRNKL1
A_24_P214552	1,61917	1,38616	1,175284475	ENST00000356020	23434	NR_125802	LINC01565
A_19_P00315869	6,02429	5,7913	1,175268182	N/A	N/A	N/A	Inc-DET1-1
A_32_P172848	5,35178	5,11882	1,175243743	ENST00000505354	2710	NM_000167	GK
A_22_P00016111	4,44101	4,20811	1,175194867	N/A	N/A	N/A	Inc-THTPA-3
A_33_P3216098	1,75347	1,52057	1,175194867	ENST00000609630	25787	NR_024159	DGCR9
A_23_P55388	6,38143	6,14853	1,175194867	ENST00000319121	55175	NM_018143	KLHL11
A_33_P3213797	6,05548	5,82259	1,175186721	ENST00000525254	10089	NM_005714	KCNK7
A_22_P00017364	3,47499	3,24213	1,175162284	ENST00000505978	N/A	N/A	N/A
A_23_P86975	2,06069	1,82798	1,175040107	ENST00000530950	59082	NM_021571	CARD18
A_24_P763243	18,751	18,5183	1,175031962	ENST00000434005	1915	NM_001402	EEF1A1
A_32_P84605	17,0847	16,852	1,175031962	ENST00000429775	6228	NM_001025	RPS23
A_23_P163027	11,6406	11,4079	1,175031962	ENST00000250416	10038	NM_005484	PARP2
A_21_P0014676	5,16614	4,93346	1,175015673	N/A	26628	NR_120438	OR7E47P
A_33_P3294504	3,8145	3,58183	1,175007528	ENST00000368175	115350	NM_001159397	FCRL1
A_23_P250516	9,29611	9,06349	1,174966806	ENST00000591384	101928710	NR_110848	LOC101928710
A_21_P0013052	4,99781	4,7652	1,174958662	N/A	N/A	N/A	XLOC_I2_012836
A_21_P0011947	1,97979	1,74719	1,174950518	N/A	N/A	N/A	XLOC_I2_008200
A_21_P0008817	1,97423	1,74179	1,174820219	N/A	N/A	N/A	Inc-SNURF-5
A_33_P3248939	2,84482	2,61239	1,174812076	N/A	N/A	N/A	N/A
A_33_P3312819	4,83813	4,60573	1,174787646	N/A	51214	NR_028044	IGF2-AS
A_22_P00003793	3,7499	3,51756	1,174738789	N/A	100129175	NR_046086	LOC100129175
A_33_P3250671	3,76968	3,53736	1,174722504	ENST00000522561	6932	NM_003202	TCF7

A_22_P00012248	6,33159	6,09929	1,174706219	N/A	N/A	N/A	Inc-PPP1R12B-1
A_19_P00811048	5,27011	5,03786	1,174665508	N/A	220930	NR_024284	ZEB1-AS1
A_33_P3608172	12,8862	12,654	1,174624798	ENST00000571697	2874	NM_004489	GPS2
A_21_P0013503	4,05676	3,82473	1,174486394	N/A	101928108	XM_006725099	LOC101928108
A_23_P33364	11,639	11,407	1,174461971	ENST00000514152	152503	NM_001009555	SH3D19
A_23_P91702	15,5708	15,3388	1,174461971	ENST00000405442	8664	NM_003753	EIF3D
A_21_P0014684	8,70452	8,47256	1,174429409	N/A	102725157	XR_433225	LOC102725157
A_22_P00015489	4,04386	3,81196	1,174380567	ENST00000507344	N/A	N/A	N/A
A_22_P00021621	2,45924	2,22751	1,174242192	N/A	N/A	N/A	Inc-TIPIN-1
A_33_P3347392	7,87172	7,64001	1,174225913	ENST00000355943	91137	NM_138773	SLC25A46
A_22_P00023960	4,61078	4,37908	1,174217774	N/A	N/A	AK097437	Inc-BATF3-3
A_33_P3398840	6,0152	5,78351	1,174209635	ENST00000381218	9189	NM_001171135	ZBED1
A_23_P77568	17,4701	17,2385	1,174136386	ENST00000565932	8663	NM_001037808	EIF3C
A_23_P80570	11,3543	11,1228	1,174055004	ENST00000232892	13	NM_001086	AADAC
A_21_P0013280	6,49329	6,26179	1,174055004	N/A	N/A	N/A	XLOC_I2_013728
A_23_P422511	5,3363	5,10491	1,17396549	ENST00000526898	283130	NM_182556	SLC25A45
A_21_P0010649	5,68683	5,45552	1,173900394	N/A	N/A	N/A	XLOC_I2_001086
A_23_P350555	5,66443	5,43324	1,173802756	ENST00000491828	140290	NM_144659	TCP10L
A_22_P00022219	3,75269	3,52153	1,173778347	N/A	101928433	XR_241982	LOC101928433
A_33_P3412463	3,48683	3,25568	1,173770211	ENST00000369312	79949	NM_001193434	PLEKHS1
A_23_P368934	11,1157	10,8846	1,173729532	ENST00000434748	57666	NM_001142641	FBRSL1
A_22_P00014623	2,86895	2,63789	1,17369699	N/A	N/A	N/A	Inc-SLC16A3-1
A_21_P0007057	7,36674	7,13572	1,173664449	ENST00000499986	399744	NR_024497	LINC00999
A_23_P152087	12,0677	11,8367	1,173648178	ENST00000338376	55177	NM_018145	RMDN3
A_33_P3235390	10,4244	10,1934	1,173648178	ENST00000468227	79876	NM_024818	UBA5
A_33_P3396275	5,79156	5,56058	1,173631908	ENST00000344320	643338	NM_001130448	C15orf62
A_33_P3404047	5,80713	5,57616	1,173623773	N/A	N/A	N/A	N/A
A_22_P00022364	6,6687	6,43773	1,173623773	ENST00000466692	100507054	XR_108535	LOC100507054
A_22_P00021181	6,91298	6,68206	1,173583099	N/A	101926903	NR_109998	LSAMP-AS1
A_22_P00004698	7,59661	7,36571	1,17356683	N/A	100287098	NR_109770	LOC100287098
A_24_P227069	9,22456	8,99367	1,173558695	ENST00000348367	57678	NM_020918	GPAM
A_33_P3277097	5,91414	5,68327	1,173542427	ENST00000383417	79136	NR_003673	LY6G6E
A_33_P3402474	10,4632	10,2324	1,173485487	ENST00000330083	79969	NM_001031722	ATAT1

A_22_P00013313	2,62182	2,39103	1,173477353	N/A	255480	NR_038440	TBX5-AS1
A_23_P309967	8,79652	8,56583	1,173396017	ENST00000563614	84516	NM_032486	DCTN5
A_24_P54131	6,90297	6,67239	1,173306553	ENST00000369563	64858	NM_022836	DCLRE1B
A_32_P9468	9,06806	8,83749	1,173298421	N/A	90639	NM_001031617	COX19
A_33_P3414507	2,27564	2,04515	1,173233361	ENST00000209540	126370	NM_001004713	OR1I1
A_32_P886589	2,16492	1,93445	1,173217097	ENST00000408887	283416	NR_121682	LINC01465
A_24_P294703	8,95795	8,72752	1,173184569	ENST00000512635	133619	NM_130809	PRRC1
A_33_P3262205	14,5989	14,3685	1,173160173	ENST00000401607	8904	NM_003915	CPNE1
A_33_P3327847	11,0285	10,7981	1,173160173	ENST00000373202	8879	NM_003901	SGPL1
A_22_P00025278	10,1079	9,87753	1,173135778	ENST00000571067	N/A	CB990811	N/A
A_22_P00010823	3,89829	3,66796	1,173103253	ENST00000584829	101927134	NR_109877	LINC01470
A_33_P3659808	13,0135	12,7832	1,173078859	ENST00000573523	27043	NM_014389	PELP1
A_32_P203099	4,24021	4,01006	1,172956898	ENST00000371504	202500	NM_182539	TCTE1
A_33_P3241369	5,11557	4,88542	1,172956898	ENST00000380433	114131	NM_053049	UCN3
A_24_P233960	10,4171	10,187	1,172916247	ENST00000368841	81609	NM_030918	SNX27
A_22_P00007431	4,71627	4,48624	1,172859338	N/A	N/A	BC046445	Inc-GSDMD-3
A_33_P3257714	11,518	11,288	1,172834949	ENST00000296674	6228	NM_001025	RPS23
A_22_P00023230	2,60568	2,37573	1,172794303	ENST00000415509	N/A	N/A	N/A
A_22_P00007346	6,53417	6,30423	1,172786173	N/A	N/A	N/A	Inc-GPT2-1
A_23_P77731	4,90822	4,6783	1,172769915	ENST00000219599	1428	NM_001888	CRYM
A_23_P337917	7,42168	7,19184	1,172704885	ENST00000535575	8496	NM_177444	PPFIBP1
A_23_P209519	7,84741	7,61758	1,172696756	ENST00000425450	3300	NM_001039550	DNAJB2
A_22_P00016354	10,0649	9,83507	1,172696756	N/A	728730	NR_037875	LOC728730
A_23_P382775	12,0634	11,8336	1,172672371	ENST00000439096	27113	NM_014417	BBC3
A_22_P00014021	3,10687	2,87708	1,172664243	ENST00000435284	100506532	XR_109854	LOC100506532
A_21_P0010222	5,98672	5,75702	1,17259109	N/A	N/A	N/A	Inc-USP25-1
A_24_P188941	17,2241	16,9944	1,17259109	ENST00000517671	4869	NM_002520	NPM1
A_33_P3369262	7,37608	7,14645	1,172534197	ENST00000538172	26127	NM_015633	FGFR1OP2
A_21_P0009942	4,05599	3,8264	1,172501688	N/A	102724734	XR_425232	LOC102724734
A_21_P0013552	2,08766	1,85811	1,17246918	N/A	N/A	N/A	XLOC_I2_014697
A_23_P120170	7,56032	7,33077	1,17246918	ENST00000408957	200765	NM_145702	TIGD1
A_33_P3417123	7,46522	7,23569	1,172452926	N/A	N/A	N/A	N/A
A_22_P00016353	6,40586	6,17634	1,172444799	N/A	728730	NR_037875	LOC728730

A_24_P106363	8,17147	7,94195	1,172444799	ENST00000512803	153562	NM_001038603	MARVELD2
A_32_P2452	1,99514	1,76563	1,172436673	ENST00000256062	83857	NM_175861	TMTC1
A_33_P3389394	9,9231	9,6936	1,172428546	N/A	85495	NR_002312	RPPH1
A_33_P3301174	14,6296	14,4001	1,172428546	ENST00000262225	10959	NM_006815	TMED2
A_23_P115762	10,645	10,4155	1,172428546	ENST00000454759	11319	NM_007265	ECD
A_19_P00806911	9,56241	9,33294	1,172404166	ENST00000607016	11165	N/A	NUDT3
A_33_P3269203	14,6258	14,3964	1,172347282	ENST00000524558	871	NM_001207014	SERPINH1
A_32_P102519	1,98643	1,75706	1,172322904	ENST00000275590	541473	NR_003602	LOC541473
A_23_P103690	10,0935	9,86419	1,17227415	ENST00000487649	10712	NM_006589	FAM189B
A_22_P00001348	8,6523	8,423	1,172266024	ENST00000580082	339290	NR_015389	LINC00667
A_23_P164814	9,50563	9,27638	1,172225397	ENST00000346736	79173	NM_024323	C19orf57
A_23_P309515	8,03921	7,80996	1,172225397	ENST00000409157	130535	NM_152387	KCTD18
A_24_P417007	7,76998	7,54076	1,172201022	ENST00000442738	5435	NM_001301129	POLR2F
A_33_P3371752	10,8252	10,596	1,172184772	ENST00000371727	2060	AK129853	EPS15
A_33_P3832680	3,3242	3,09501	1,172176647	N/A	644054	BC127791	FAM25C
A_21_P0009533	7,14833	6,91915	1,172168522	N/A	N/A	N/A	Inc-RP11-863N1.2.1-1
A_21_P0012524	3,55534	3,3262	1,172136023	ENST00000415410	100507391	NR_037891	LOC100507391
A_22_P00016791	5,55614	5,32701	1,172127898	N/A	N/A	N/A	Inc-TRIM63-1
A_33_P3681213	7,8054	7,57627	1,172127898	ENST00000378511	9581	NM_006036	PREPL
A_21_P0003800	2,02386	1,79474	1,172119774	N/A	N/A	N/A	Inc-GPM6A-2
A_23_P31477	10,707	10,4779	1,172103525	ENST00000460110	23386	NM_015332	NUDCD3
A_22_P00014715	5,5646	5,33555	1,172062904	N/A	N/A	N/A	Inc-SLC25A5-1
A_33_P3302245	5,7332	5,50417	1,172046655	ENST00000598660	25789	NM_012109	TMEM59L
A_22_P00002057	6,36575	6,13687	1,171924802	ENST00000447625	10904	N/A	BLCAP
A_21_P0000637	10,4273	10,1985	1,171859818	N/A	643749	NR_034111	TRAF3IP2-AS1
A_33_P3300740	4,34513	4,11635	1,171843573	N/A	N/A	BI056255	N/A
A_23_P367420	3,17048	2,9417	1,171843573	ENST00000603540	8747	NM_003813	ADAM21
A_32_P128310	5,90175	5,67302	1,171802961	ENST00000274695	54901	NM_017774	CDKAL1
A_32_P15421	7,58681	7,35811	1,171778594	ENST00000426256	91445	NM_152267	RNF185
A_21_P0013409	4,16838	3,9397	1,17176235	ENST00000492054	100134040	N/A	LOC100134040
A_23_P411162	7,80653	7,57788	1,171737984	ENST00000355768	8864	NM_022817	PER2
A_23_P303155	6,96507	6,73644	1,17172174	ENST00000283206	84910	NM_032824	TMEM87B
A_33_P3864411	5,81027	5,58174	1,171640525	ENST00000623630	399746	NR_045000	ACTR3BP5

A_32_P140706	8,98627	8,75775	1,171632404	ENST00000403974	5395	NM_000535	PMS2
A_21_P0012260	6,88832	6,65982	1,171616162	N/A	N/A	N/A	XLOC_I2_009328
A_33_P3260451	2,67207	2,4436	1,171591799	ENST00000526929	392188	NM_001256872	USP17L8
A_33_P3313825	5,62646	5,39801	1,171575558	N/A	7048	XM_006713316	TGFBR2
A_33_P3265419	3,62287	3,39443	1,171567437	N/A	N/A	N/A	N/A
A_23_P132845	8,6627	8,43428	1,171551196	ENST00000430397	1181	NM_004366	CLCN2
A_33_P3336240	2,05569	1,82731	1,171518714	ENST00000491870	245912	NR_024044	DEFB109P1
A_23_P208900	6,20899	5,98061	1,171518714	ENST00000586582	10501	NM_032108	SEMA6B
A_23_P46964	7,0198	6,79145	1,171494353	ENST00000299163	55662	NM_017902	HIF1AN
A_33_P3345608	6,64468	6,41648	1,171372557	ENST00000368813	26098	NM_001202438	EDRF1
A_24_P294124	9,78721	9,55907	1,171323842	ENST00000313349	9792	NM_014755	SERTAD2
A_19_P00322939	9,51925	9,29121	1,171242655	ENST00000512617	5820	NR_003367	PVT1
A_22_P00000579	6,09668	5,86868	1,171210181	N/A	N/A	N/A	Inc-AC136604.1-1
A_24_P43092	8,20302	7,97505	1,171185827	ENST00000464128	4735	NM_001008491	set-02
A_33_P3647427	5,36735	5,13961	1,170999127	ENST00000225587	N/A	X52357	N/A
A_33_P3417880	5,39864	5,17092	1,170982893	ENST00000343684	222698	NM_001007531	NKAPL
A_22_P00016861	12,4794	12,2517	1,17096666	ENST00000483588	125144	NR_045024	LRRC75A-AS1
A_24_P179351	17,6286	17,4009	1,17096666	ENST00000484604	7178	NM_003295	TPT1
A_23_P68884	12,3028	12,0751	1,17096666	ENST00000438989	4733	NM_004147	DRG1
A_19_P00316753	8,88227	8,65462	1,170926078	ENST00000513868	5820	NR_003367	PVT1
A_32_P216566	8,39119	8,16358	1,170893614	ENST00000369689	134701	NM_001009994	RIPPLY2
A_33_P3210069	6,08052	5,85292	1,170885498	N/A	N/A	N/A	N/A
A_33_P3373329	4,52428	4,29672	1,170853034	ENST00000369280	56165	NM_198795	TDRD1
A_23_P45185	5,0027	4,77518	1,170820572	ENST00000297904	2277	NM_004469	FIGF
A_23_P46725	8,83931	8,61183	1,17078811	ENST00000263062	80314	NM_025209	EPC1
A_22_P00009058	5,33079	5,10334	1,170763765	N/A	N/A	N/A	Inc-LENG9-1
A_33_P3364493	5,82972	5,60234	1,17070696	N/A	N/A	N/A	N/A
A_21_P0007044	4,16536	3,938	1,170690731	ENST00000436383	100507127	NR_038291	LINC00707
A_21_P0012918	12,1782	11,9509	1,170642044	N/A	N/A	N/A	XLOC_I2_012150
A_33_P3271965	4,30206	4,0748	1,170609588	ENST00000507907	2911	NM_001278067	GRM1
A_33_P3322428	5,53809	5,31085	1,17059336	ENST00000592762	57787	NM_001199867	MARK4
A_33_P3214027	4,82723	4,60001	1,170577132	ENST00000541492	23384	NM_001254732	SPECC1L
A_33_P3230269	8,07103	7,84391	1,170495997	ENST00000324907	29841	NM_198182	GRHL1



A_33_P3361817	3,73152	3,50442	1,17047977	ENST00000412176	N/A	N/A	N/A
A_21_P0011510	4,93502	4,70795	1,170455431	ENST00000570921	245	NR_002710	ALOX12P2
A_33_P3317277	6,20415	5,9771	1,170439205	ENST00000471976	8193	NM_001289978	DPF1
A_23_P126540	1,9886	1,76158	1,170414867	ENST00000463993	57413	NM_020683	TMIGD3
A_19_P00811613	2,02323	1,79623	1,170398641	N/A	101930048	XR_428438	LOC101930048
A_22_P00016608	5,00449	4,77753	1,170366192	ENST00000573301	N/A	N/A	N/A
A_22_P00002609	4,19061	3,96369	1,170333743	N/A	N/A	N/A	Inc-C1QTNF8-2
A_23_P350074	11,166	10,9391	1,170317518	ENST00000465425	163183	NM_001039876	SYNE4
A_24_P34944	5,58511	5,35822	1,170309406	ENST00000613314	26025	NM_032094	PCDHGA12
A_23_P162846	16,3168	16,0901	1,170155289	ENST00000472564	3916	NM_005561	LAMP1
A_21_P0005860	5,52788	5,30119	1,170147178	N/A	N/A	N/A	Inc-PEX2-3
A_32_P62008	16,7724	16,5458	1,170074183	ENST00000472730	4736	NM_007104	RPL10A
A_21_P0000540	3,08878	2,86219	1,170066073	N/A	100286844	NR_027500	BCDIN3D-AS1
A_23_P342138	3,59786	3,3714	1,169960644	ENST00000542621	92949	NM_001040272	ADAMTSL1
A_33_P3311439	7,15222	6,92579	1,169936315	ENST00000395514	2643	NM_001024071	GCH1
A_24_P191664	8,15542	7,92902	1,169911988	ENST00000470487	27333	NM_014498	GOLIM4
A_23_P109427	8,17708	7,95068	1,169911988	ENST00000616938	2953	NM_000854	GSTT2
A_23_P428260	8,76714	8,54075	1,169903878	ENST00000394622	261729	NM_152999	STEAP2
A_24_P215240	4,49694	4,27066	1,169814681	ENST00000376363	219670	NM_145010	ENKUR
A_23_P44724	12,3861	12,1599	1,169749815	ENST00000548783	1466	NM_001321	CSRP2
A_33_P3523501	9,57849	9,35233	1,169717383	ENST00000598042	374890	XR_109585	LOC374890
A_23_P218731	8,50933	8,28319	1,169701167	ENST00000437996	9946	NM_145858	CRYZL1
A_24_P307854	9,18316	8,95702	1,169701167	ENST00000620087	80028	NM_024963	FBXL18
A_22_P00021041	3,1479	2,92182	1,169652522	N/A	N/A	BX097819	Inc-EID1-2
A_22_P00018862	2,25529	2,02928	1,169595771	N/A	N/A	N/A	Inc-HIBADH-1
A_22_P00012878	5,57593	5,34992	1,169595771	ENST00000566383	102723373	NR_119378	LOC102723373
A_23_P253571	10,5946	10,3686	1,169587664	ENST00000216252	84844	NM_032758	PHF5A
A_33_P3250953	8,80951	8,58359	1,16952281	ENST00000378509	84912	NM_032826	SLC35B4
A_23_P321349	9,99891	9,77307	1,16945796	ENST00000531581	113174	NM_138421	SAAL1
A_22_P00005207	5,06836	4,84257	1,16941743	ENST00000556183	N/A	DB457795	N/A
A_33_P3229873	6,34925	6,12354	1,169352586	N/A	80313	NM_001143757	LRRC27
A_22_P00015597	8,71669	8,49101	1,16932827	ENST00000443556	134957	NM_001127715	STXBP5
A_23_P146551	7,78509	7,55953	1,169231012	ENST00000262244	79817	NM_024761	MOB3B

A_22_P00017597	2,75057	2,52501	1,169231012	N/A	N/A	BF940953	Inc-WDR73-1
A_33_P3372859	8,93561	8,71007	1,169214803	ENST00000314045	79039	NM_001111322	DDX54
A_21_P0010793	4,42743	4,20195	1,169166178	ENST00000623180	100132287	NR_028322	LOC100132287
A_22_P00010125	2,77965	2,5542	1,169141866	N/A	101927884	NR_110281	LOC101927884
A_21_P0007004	6,61978	6,39433	1,169141866	N/A	N/A	N/A	Inc-NDST2-3
A_24_P144784	1,99999	1,77455	1,169133762	ENST00000504307	373861	NR_024193	HILS1
A_23_P259632	10,1916	9,96616	1,169133762	ENST00000440632	83862	NM_031925	TMEM120A
A_24_P244162	10,4052	10,1798	1,169101347	ENST00000370631	55361	NM_018425	PI4K2A
A_23_P212617	13,4805	13,2551	1,169101347	ENST00000392396	7037	NM_003234	TFRC
A_24_P401787	2,68867	2,46331	1,169068933	ENST00000333850	121278	NM_173353	TPH2
A_33_P3245937	4,91461	4,68929	1,16903652	ENST00000413484	N/A	AK124574	N/A
A_21_P0003127	2,1178	1,8925	1,169020314	N/A	N/A	N/A	Inc-SUCLG2-1
A_21_P0001902	2,28823	2,06299	1,168971697	ENST00000455309	101928173	XR_245039	LOC101928173
A_22_P00014809	3,57018	3,34497	1,168947389	ENST00000414600	N/A	BG186396	N/A
A_23_P76218	2,07615	1,85095	1,168939287	ENST00000546807	117159	NM_053283	DCD
A_23_P311020	12,2922	12,067	1,168939287	ENST00000289359	129531	NM_138798	MITD1
A_19_P00802614	6,56436	6,33925	1,168866367	ENST00000520327	N/A	N/A	N/A
A_23_P19657	10,5179	10,2928	1,168858265	ENST00000239367	84918	NM_032832	LRP11
A_22_P00017840	3,72189	3,4968	1,168850163	N/A	100129196	NR_034182	MATN1-AS1
A_33_P3249135	6,59458	6,36957	1,16878535	ENST00000449802	65065	NM_001114132	NBEAL1
A_33_P3298942	8,71877	8,49377	1,168777249	ENST00000326831	23120	AK090832	ATP10B
A_21_P0014739	4,77366	4,54869	1,168752945	ENST00000438002	N/A	XR_426511	N/A
A_21_P0011308	6,49678	6,27185	1,168720541	ENST00000560598	100288637	NR_038253	LOC100288637
A_21_P0002036	2,34909	2,12417	1,16871244	N/A	100505774	XR_109967	LOC100505774
A_22_P00018854	2,04738	1,82247	1,168704339	N/A	100128285	NR_024595	DNM1P35
A_23_P42997	12,1488	11,9239	1,168696238	ENST00000436336	10898	NM_006693	CPSF4
A_22_P00009989	5,83105	5,60617	1,168680036	N/A	N/A	N/A	Inc-MLH3-1
A_33_P3325653	2,68139	2,45653	1,168663835	ENST00000473520	N/A	N/A	N/A
A_22_P00002555	5,23313	5,00832	1,168623333	N/A	N/A	N/A	Inc-C17orf75-2
A_22_P00001818	1,69404	1,46927	1,168590932	N/A	101929372	NM_001288707	LOC101929372
A_23_P211417	1,92759	1,70292	1,168509935	ENST00000354373	5988	NM_021026	RFPL1
A_33_P3397051	6,39689	6,17225	1,168485636	ENST00000366645	149371	NM_175876	EXOC8
A_22_P00006839	4,14103	3,91648	1,168412745	N/A	101927220	NR_110671	DEPDC1-AS1

A_33_P3380405	7,54836	7,3239	1,168339858	ENST00000586299	9267	AK123894	CYTH1
A_33_P3363071	4,07336	3,84892	1,168323661	ENST00000218436	347365	NM_198510	ITIH6
A_33_P3375234	9,66492	9,44052	1,168291269	ENST00000560779	55177	NM_018145	RMDN3
A_33_P3257479	5,44297	5,21861	1,168258877	N/A	N/A	N/A	N/A
A_23_P149494	10,7464	10,5221	1,168210292	ENST00000481556	26090	NM_015600	ABHD12
A_23_P215296	10,6368	10,4125	1,168210292	ENST00000465643	8621	NM_003718	CDK13
A_23_P154234	13,0974	12,8731	1,168210292	ENST00000465242	56655	NM_019896	POLE4
A_33_P3392000	9,46787	9,2436	1,168186	ENST00000607931	100506190	NR_038955	LINC00963
A_23_P323898	5,48106	5,25683	1,168153611	ENST00000396827	9753	NR_028077	ZSCAN12
A_33_P3402615	12,9695	12,7453	1,16812932	ENST00000372310	6536	NM_201649	SLC6A9
A_24_P233915	10,1818	9,95762	1,168113127	ENST00000460803	112950	NM_001001653	MED8
A_21_P0005606	4,48169	4,25755	1,16808074	N/A	N/A	N/A	Inc-SBDS-10
A_23_P121825	8,65302	8,42889	1,168072644	ENST00000231526	80006	NM_024941	TRAPPC13
A_21_P0010476	4,06947	3,84535	1,168064547	N/A	N/A	N/A	Inc-RASL10A-1
A_22_P00011921	3,28429	3,06019	1,168048355	N/A	N/A	BC042965	Inc-PIRT-3
A_21_P0008700	4,07204	3,84805	1,167959299	N/A	220	XR_109231	ALDH1A3
A_22_P00000164	3,08449	2,8605	1,167959299	N/A	N/A	N/A	Inc-ABCC1-1
A_23_P18213	4,43215	4,20828	1,167862155	ENST00000488988	25981	NM_015512	DNAH1
A_33_P3359027	2,64912	2,42526	1,16785406	ENST00000551256	387885	NM_001144872	CCDC42B
A_33_P3224710	2,24663	2,0228	1,167829775	ENST00000393485	22797	NM_012252	TFEC
A_23_P312752	2,42042	2,1966	1,167821681	ENST00000233826	3769	NM_002242	KCNJ13
A_33_P3398437	7,26675	7,04293	1,167821681	ENST00000619521	23269	AF176922	MGA
A_33_P3351388	5,79305	5,56924	1,167813586	N/A	N/A	N/A	N/A
A_23_P13455	1,87918	1,65538	1,167805491	ENST00000359350	119687	NM_001004749	OR51A7
A_22_P00011060	3,38974	3,16597	1,167781208	N/A	101929752	XR_241271	LOC101929752
A_24_P314585	2,76931	2,54557	1,167756925	ENST00000338270	3266	AB093575	ERAS
A_33_P3278801	5,43725	5,21354	1,167732642	N/A	84859	AK128758	LRCH3
A_33_P3303474	3,65379	3,4301	1,167716454	ENST00000371904	1579	NM_000778	CYP4A11
A_22_P00015269	2,23053	2,00702	1,167570771	N/A	100874200	NR_046572	ARHGEF3-AS1
A_21_P0011648	4,86649	4,64306	1,167506029	N/A	N/A	N/A	XLOC_I2_006267
A_33_P3215647	7,71717	7,49376	1,167489844	ENST00000546455	91523	NM_138371	PCED1B
A_33_P3261428	2,11298	1,88957	1,167489844	N/A	N/A	N/A	N/A
A_21_P0002711	4,89496	4,67157	1,167473659	ENST00000457079	401109	NR_034088	LINC00885

A_21_P0008545	4,19083	3,96745	1,167465567	N/A	N/A	N/A	Inc-TTC7B-4
A_21_P0012080	11,4174	11,1941	1,167400831	ENST00000437561	N/A	N/A	N/A
A_22_P00003465	12,0751	11,8518	1,167400831	N/A	100507419	NR_123723	MMP25-AS1
A_33_P3396444	7,86924	7,64601	1,167344189	ENST00000374313	22949	AK309450	PTGR1
A_23_P27709	4,45033	4,22713	1,167319916	ENST00000359342	114336	NM_033378	CGB2
A_22_P00010993	5,26905	5,04589	1,167287551	N/A	N/A	N/A	Inc-NRXN1-2
A_33_P3274179	1,92151	1,69837	1,167271369	N/A	100133791	AK126787	ERV18-1
A_22_P00009663	6,76609	6,54296	1,167263278	ENST00000555736	N/A	DB214798	N/A
A_21_P0013789	2,19411	1,97104	1,167214734	N/A	N/A	N/A	XLOC_I2_015593
A_32_P226149	14,1491	13,9261	1,167158102	ENST00000353245	7534	NM_145690	YWHAZ
A_24_P319374	1,95687	1,73392	1,167117652	ENST00000367868	10223	NM_005814	GPA33
A_33_P3291510	4,01509	3,79216	1,167101472	ENST00000250823	9084	NM_004679	VCY
A_21_P0007370	3,85449	3,63162	1,167052935	N/A	N/A	N/A	Inc-STARD10-1
A_21_P0002414	1,66738	1,44457	1,1670044	N/A	102723389	XR_425379	LOC102723389
A_33_P3255544	10,6884	10,4656	1,166996311	ENST00000519708	55819	NM_001280801	RNF130
A_22_P00009293	5,45053	5,22777	1,166963955	N/A	N/A	N/A	Inc-LRRC32-5
A_33_P3257042	5,69454	5,47191	1,166858806	ENST00000591344	342892	NM_001193552	ZNF850
A_24_P210513	7,00217	6,77955	1,166850718	ENST00000613511	55727	NM_018167	BTBD7
A_22_P00001014	2,37042	2,14784	1,166818366	ENST00000358748	401554	XR_108962	FLJ46836
A_22_P00011793	1,90287	1,68031	1,166802191	N/A	N/A	N/A	Inc-PGGT1B-2
A_23_P356122	8,77676	8,55426	1,166753666	ENST00000357489	26036	NM_001031623	ZNF451
A_24_P161813	6,32599	6,1035	1,166745578	ENST00000545779	441666	NR_024380	LOC441666
A_21_P0007787	1,95566	1,73323	1,166697056	N/A	387895	NR_033878	LINC00944
A_22_P00017341	10,2834	10,0611	1,166591931	ENST00000454756	100288413	NM_001242690	ERVMER34-1
A_24_P184305	8,04945	7,82715	1,166591931	ENST00000529955	582	NM_024649	BBS1
A_23_P5339	10,6654	10,4431	1,166591931	ENST00000424086	80775	NM_030577	TMEM177
A_23_P109928	12,5162	12,2939	1,166591931	ENST00000497315	9861	NM_014814	PSMD6
A_33_P3767773	14,3084	14,0863	1,166430218	ENST00000459947	23352	NM_020765	UBR4
A_23_P501887	11,4187	11,1966	1,166430218	ENST00000593432	1725	NM_013406	DHPS
A_22_P00024412	1,89913	1,67706	1,166405963	N/A	N/A	BU568718	Inc-EHD3-3
A_33_P3317387	3,71363	3,49158	1,166389793	N/A	5611	BC033823	DNAJC3
A_21_P0009460	1,95917	1,73712	1,166389793	N/A	N/A	N/A	Inc-SLMO1-1
A_23_P57733	3,38318	3,16114	1,166381708	ENST00000295881	1814	NM_033663	DRD3

A_22_P00014220	6,71532	6,49329	1,166373624	N/A	N/A	N/A	Inc-SEC24C-1
A_33_P3283601	7,69431	7,47232	1,166341285	ENST00000433290	389033	NR_026740	LOC389033
A_33_P3318606	1,95408	1,73225	1,166211941	ENST00000588376	25759	BC034544	SHC2
A_23_P419503	2,96877	2,747	1,166163441	ENST00000389201	94030	NM_001080457	LRRC4B
A_33_P3385988	9,46092	9,23919	1,166131108	ENST00000266182	N/A	N/A	N/A
A_24_P155791	8,28395	8,06223	1,166123025	ENST00000343276	140460	NM_024708	ASB7
A_21_P0002175	4,05943	3,83774	1,166098777	N/A	N/A	N/A	Inc-TRIB2-5
A_32_P4228	5,49074	5,26905	1,166098777	ENST00000557899	728450	NR_110635	LINC00687
A_23_P336644	7,85802	7,63635	1,166082611	ENST00000609928	163590	NM_145034	TOR1AIP2
A_22_P00019588	5,9883	5,76668	1,166042199	ENST00000502881	376940	NM_198581	ZC3H6
A_23_P163380	13,5502	13,3286	1,166026034	ENST00000479961	10588	NM_006441	MTHFS
A_33_P3375383	12,6414	12,4198	1,166026034	ENST00000221573	6618	NM_003083	SNAPC2
A_33_P3407374	16,4773	16,2557	1,166026034	N/A	N/A	N/A	N/A
A_33_P3311245	5,26263	5,04111	1,165961377	ENST00000334849	337974	NM_181614	KRTAP19-7
A_33_P3370076	9,47667	9,25516	1,165953296	ENST00000315869	7030	NM_006521	TFE3
A_33_P3348559	4,34489	4,12339	1,165945214	N/A	N/A	BC039440	Inc-DUSP4-1
A_22_P00005218	4,90366	4,68222	1,165896725	ENST00000520714	55384	NR_033359	MEG3
A_22_P00025777	4,95186	4,73049	1,165840156	N/A	N/A	N/A	Inc-NOM1-6
A_21_P0005463	5,97446	5,75314	1,165799752	N/A	N/A	N/A	Inc-COX19-1
A_33_P3262717	6,94487	6,72361	1,165751269	ENST00000595476	N/A	XM_006723257	N/A
A_22_P00017135	1,91781	1,69658	1,165727028	ENST00000448980	100874221	NR_046876	ZNF385D-AS2
A_33_P3326817	9,2382	9,01701	1,165694708	N/A	N/A	N/A	N/A
A_33_P3260006	2,69021	2,46908	1,165646229	ENST00000472655	102606463	NR_110124	LINC01152
A_21_P0002930	5,1964	4,97529	1,16563007	N/A	N/A	N/A	Inc-TSEN2-1
A_23_P10870	10,372	10,1509	1,16562199	ENST00000372586	22845	NM_014908	DOLK
A_21_P0006242	6,16096	5,93991	1,165581593	N/A	N/A	N/A	Inc-PPP1R26-2
A_23_P201342	15,0917	14,8707	1,165541198	ENST00000610709	1855	NM_004421	DVL1
A_23_P8497	3,10089	2,87991	1,16552504	ENST00000611037	2692	NM_000823	GHRHR
A_33_P3399875	5,82734	5,60641	1,165484647	ENST00000375222	128864	NM_080825	C20orf144
A_33_P3214432	10,3087	10,0878	1,165460412	ENST00000275766	92092	NM_080660	ZC3HAV1L
A_23_P83453	11,25	11,0292	1,165379631	ENST00000254480	6599	NM_003074	SMARCC1
A_22_P00004913	5,82945	5,6087	1,165339243	ENST00000503953	N/A	XR_425837	N/A
A_23_P216708	9,14284	8,92212	1,16531501	ENST00000376736	55312	NM_018339	RFK

A_19_P00320740	1,97996	1,75933	1,165242317	ENST00000505254	728264	N/A	MIR143HG
A_23_P15466	11,1458	10,9252	1,165218086	ENST00000255390	6341	NM_004589	SCO1
A_22_P00018322	8,44956	8,22898	1,165201933	ENST00000478854	23145	NM_198455	SSPO
A_23_P255286	13,7576	13,5371	1,165137322	ENST00000409031	55627	NM_017951	SMPD4
A_24_P286079	10,5284	10,3079	1,165137322	ENST00000265343	27125	NM_014423	AFF4
A_21_P0008323	2,8414	2,62094	1,165105018	N/A	N/A	N/A	Inc-MIPOL1-2
A_22_P00009383	6,41043	6,18998	1,165096942	ENST00000519609	N/A	N/A	N/A
A_22_P00008521	7,19383	6,9734	1,165080791	N/A	N/A	N/A	Inc-KCNJ12-1
A_33_P3262028	5,03377	4,81338	1,165048488	N/A	N/A	N/A	XLOC_I2_010082
A_33_P3317317	8,17206	7,95178	1,164959661	ENST00000616115	387267	NM_001012709	KRTAP5-4
A_22_P00021169	3,25002	3,02976	1,164943512	ENST00000498967	101927415	NR_110049	LOC101927415
A_21_P0000041	1,5867	1,36645	1,164935437	N/A	51735	NM_001164390	RAPGEF6
A_21_P0004938	2,21842	1,99817	1,164935437	N/A	N/A	N/A	Inc-RSPO3-1
A_33_P3243399	8,59535	8,37513	1,164911213	ENST00000467901	7871	AY358410	SLMAP
A_19_P00320274	7,12258	6,90242	1,164862767	N/A	283050	NR_024431	ZMIZ1-AS1
A_33_P3261803	4,35964	4,13958	1,164782027	ENST00000493636	2166	NM_001441	FAAH
A_19_P00810748	6,73609	6,51604	1,164773954	ENST00000340510	349114	NR_026999	LINC00265
A_24_P323635	9,77349	9,55346	1,164757807	ENST00000462503	N/A	N/A	N/A
A_23_P22499	9,41451	9,19448	1,164757807	ENST00000360845	54552	NM_019067	GNL3L
A_33_P3407691	5,69332	5,47329	1,164757807	N/A	N/A	N/A	N/A
A_33_P3229587	5,53252	5,31251	1,16474166	N/A	N/A	N/A	N/A
A_22_P00004821	4,89758	4,67763	1,164693221	ENST00000445759	100303728	NR_028443	SLC25A5-AS1
A_24_P237753	8,93364	8,71372	1,164669002	ENST00000372577	23511	NM_015354	NUP188
A_21_P0012983	4,95169	4,73179	1,164652856	N/A	100506674	NR_109862	LOC100506674
A_23_P92093	9,51269	9,29284	1,164612493	ENST00000498057	1951	NM_001407	CELSR3
A_33_P3300297	6,36221	6,14245	1,164539843	N/A	N/A	N/A	N/A
A_22_P00022528	2,77639	2,55665	1,164523699	ENST00000441381	N/A	XR_425997	N/A
A_24_P286465	12,2019	11,9822	1,164491412	ENST00000395699	5814	NM_033224	PURB
A_21_P0010050	4,98413	4,76444	1,16448334	N/A	N/A	N/A	Inc-PREX1-4
A_33_P3292596	5,43653	5,21687	1,164459126	ENST00000584014	2064	AB025286	ERBB2
A_24_P366082	9,4544	9,23477	1,164434912	ENST00000441493	57553	NM_015241	MICAL3
A_22_P00000656	3,76344	3,54384	1,164410699	N/A	N/A	AI827283	Inc-ACTG1-1
A_23_P151506	13,5434	13,3238	1,164410699	ENST00000216446	26499	NM_016445	PLEK2

A_33_P3239332	3,35578	3,13624	1,164362273	ENST00000585639	284260	NR_046454	LINC00907
A_22_P00015897	13,2274	13,0079	1,164329991	ENST00000521399	641638	NR_002599	SNHG6
A_21_P0011432	3,28298	3,06349	1,16432192	N/A	N/A	N/A	XLOC_I2_005187
A_22_P00017211	4,47427	4,25482	1,164289639	N/A	N/A	N/A	lnc-UEVLD-2
A_33_P3328659	15,7105	15,4911	1,164249288	ENST00000262738	9620	NM_014246	CELSR1
A_32_P50066	9,06767	8,8483	1,164225078	ENST00000311277	79884	NM_001039580	MAP9
A_22_P00008887	4,1336	3,91426	1,164200869	N/A	N/A	N/A	lnc-KLHL28-2
A_24_P242820	10,5643	10,345	1,164168591	ENST00000490104	7247	NM_004622	TSN
A_22_P00011753	1,97264	1,75353	1,164015283	N/A	100192378	NR_024360	ZFHX4-AS1
A_23_P17393	14,7358	14,5167	1,164007214	ENST00000262982	1434	NM_001316	CSE1L
A_33_P3358307	8,04722	7,82816	1,163974942	ENST00000581312	56957	NM_020205	OTUD7B
A_21_P0012051	7,12716	6,90814	1,16394267	ENST00000431796	346288	NM_207366	set-14
A_33_P3268234	4,88216	4,66315	1,163934602	ENST00000355612	390792	NM_213656	KRT39
A_24_P818268	6,05318	5,83428	1,16384586	N/A	N/A	N/A	N/A
A_23_P316960	11,6185	11,3996	1,16384586	ENST00000533377	2907	NM_000837	GRINA
A_22_P00023023	9,98484	9,76597	1,163821659	N/A	643977	NR_104643	FLJ32255
A_23_P389525	11,9745	11,7557	1,163765191	ENST00000471704	150684	NM_152516	COMMD1
A_21_P0003757	5,13317	4,91442	1,163724859	N/A	N/A	N/A	lnc-ARSJ-1
A_23_P218486	14,026	13,8073	1,163684528	ENST00000596731	51398	NM_016145	WDR83OS
A_22_P00013536	7,83169	7,61299	1,163684528	N/A	N/A	N/A	lnc-RP11-422N16.3.1-1
A_32_P230868	12,7023	12,4836	1,163684528	ENST00000422602	79567	NM_024519	FAM65A
A_33_P3213377	10,2903	10,0716	1,163684528	ENST00000452895	83943	NM_032549	IMMP2L
A_33_P3238196	8,28818	8,06953	1,163644198	ENST00000307441	7581	NM_001278171	ZNF33A
A_23_P44663	2,4487	2,23009	1,163611936	ENST00000553483	390502	NM_006220	SERPINA2
A_23_P165574	8,59304	8,37443	1,163611936	ENST00000295321	55677	NM_017969	IWS1
A_24_P222599	10,5219	10,3033	1,16360387	ENST00000342085	5170	NM_002613	PDPK1
A_22_P00007528	6,52239	6,30394	1,163482894	ENST00000369123	100113403	NR_046407	LINC00577
A_33_P3222659	5,18888	4,97045	1,163466765	N/A	N/A	N/A	lnc-WDR73-5
A_33_P3238626	5,72724	5,50886	1,163426443	N/A	N/A	AK123491	N/A
A_22_P00003498	6,96568	6,74739	1,163353867	ENST00000528524	100506282	XR_424261	LOC100506282
A_32_P703	10,3236	10,1054	1,163281295	N/A	646626	NR_045484	LOC646626
A_33_P3231878	11,4453	11,2271	1,163281295	ENST00000265970	5286	NM_002645	PIK3C2A
A_33_P3388016	11,571	11,3528	1,163281295	ENST00000477624	51372	NM_015933	TMA7

A_24_P408457	7,04883	6,83065	1,163265169	ENST00000396398	4668	NM_000262	NAGA
A_33_P3241541	5,4651	5,24698	1,163216791	ENST00000374710	83856	NM_001145313	FSD1L
A_23_P429560	10,2843	10,0662	1,163200666	ENST00000546433	54434	NM_018984	SSH1
A_33_P3378654	6,14676	5,92866	1,163200666	ENST00000452173	N/A	AK056520	N/A
A_22_P00024495	7,01522	6,79715	1,163176478	ENST00000555413	N/A	BX096648	N/A
A_33_P3334248	5,57536	5,35744	1,163055546	ENST00000484152	64319	AK096322	FBRS
A_33_P3227731	10,7897	10,5718	1,163039423	ENST00000412709	N/A	N/A	N/A
A_32_P191859	9,87896	9,66108	1,1630233	ENST00000437519	387893	NM_020382	SETD8
A_33_P3346108	4,87854	4,66068	1,163007177	ENST00000374155	285180	NM_198483	RUFY4
A_33_P3236441	10,0201	9,80228	1,162974932	ENST00000396213	160287	NM_144972	LDHAL6A
A_22_P00011821	2,04593	1,82812	1,162966871	ENST00000422697	100131472	XR_426131	LOC100131472
A_21_P0008581	3,85799	3,64023	1,162926566	N/A	N/A	N/A	Inc-OR4M2-7
A_24_P272160	2,04078	1,82306	1,162894324	N/A	23218	XM_006713072	NBEAL2
A_33_P3729002	2,00579	1,78829	1,162717005	N/A	N/A	N/A	Inc-GRHL2-9
A_23_P112201	10,0442	9,82673	1,162692827	ENST00000381309	23081	NM_015061	KDM4C
A_33_P6559880	6,31901	6,10158	1,162660591	ENST00000539666	9849	NM_001278526	ZNF518A
A_23_P317207	7,71396	7,49654	1,162652532	ENST00000463678	127002	NM_153340	ATXN7L2
A_23_P251303	11,339	11,1216	1,162636414	ENST00000313084	9919	NM_014866	SEC16A
A_24_P186943	6,09164	5,87427	1,162612238	ENST00000320399	2006	NM_000501	ELN
A_33_P3217427	4,76195	4,54459	1,162604179	ENST00000375838	23341	AK091848	DNAJC16
A_21_P0010741	6,4174	6,20017	1,162499423	ENST00000426045	N/A	XR_425082	N/A
A_33_P3336223	6,75292	6,53572	1,16247525	N/A	N/A	N/A	N/A
A_22_P00015919	3,79374	3,57658	1,162443019	N/A	N/A	N/A	Inc-TCIRG1-2
A_21_P0008031	4,09203	3,87493	1,162394676	N/A	102725491	XR_424431	LOC102725491
A_33_P3243812	7,02326	6,80621	1,162354391	ENST00000265601	8936	NM_003931	WASF1
A_33_P3421515	13,7779	13,5612	1,162072436	N/A	N/A	N/A	N/A
A_21_P0004273	3,68047	3,4638	1,162048272	N/A	N/A	N/A	Inc-XRCC4-1
A_24_P252973	9,47822	9,26156	1,162040217	ENST00000525602	10978	NM_006831	CLP1
A_23_P54230	9,35525	9,13859	1,162040217	ENST00000557605	79882	NM_207660	ZC3H14
A_33_P3265866	6,64422	6,42758	1,162024108	N/A	N/A	N/A	N/A
A_23_P106822	12,3903	12,1737	1,16199189	ENST00000268802	28987	NM_014062	NOB1
A_33_P3255647	8,54568	8,32928	1,161830815	ENST00000316594	100529097	NM_001199973	RPL36A-HNRNPH2
A_23_P165921	4,80348	4,5871	1,161814709	ENST00000370341	100144596	NR_028295	LINC00029



A_33_P3241108	5,9528	5,73643	1,161806656	ENST00000473993	55735	NM_018198	DNAJC11
A_22_P00011546	3,97573	3,7594	1,161774444	N/A	N/A	BG220587	Inc-PCDH12-1
A_22_P00006934	5,04216	4,82586	1,161750286	N/A	N/A	N/A	Inc-GATAD2B-1
A_33_P3229898	4,82252	4,60625	1,161726128	ENST00000379805	5160	N/A	PDHA1
A_33_P3398526	7,69297	7,47671	1,161718076	ENST00000357757	10018	NM_207002	BCL2L11
A_22_P00017547	10,1961	9,97985	1,161710023	N/A	642394	NR_033387	ADARB2-AS1
A_33_P3249716	7,00021	6,78398	1,161693919	ENST00000437068	130733	N/A	TMEM178A
A_24_P8075	9,87384	9,65761	1,161693919	ENST00000567298	54758	AY251274	KLHDC4
A_33_P3337450	3,68609	3,46998	1,161597296	N/A	101927838	XR_248253	LOC101927838
A_23_P340848	2,37494	2,15884	1,161589244	ENST00000291294	5739	NM_000960	PTGIR
A_23_P214354	8,52975	8,31371	1,161540936	ENST00000230449	55770	NM_018303	EXOC2
A_24_P195272	3,94334	3,72733	1,161516783	ENST00000494644	N/A	N/A	N/A
A_33_P3247077	10,4999	10,2839	1,161508732	N/A	N/A	N/A	N/A
A_33_P3715909	7,22455	7,00856	1,161500681	N/A	N/A	AF264629	N/A
A_33_P3808516	3,58311	3,36718	1,161452377	N/A	N/A	U66047	N/A
A_33_P3884230	6,93705	6,72117	1,161412124	ENST00000585382	4784	NM_002501	NFIX
A_22_P00013941	5,57718	5,36131	1,161404074	N/A	N/A	BI762183	Inc-RRP8-1
A_23_P377094	1,90487	1,68905	1,161363824	ENST00000619635	29944	NM_013364	PNMA3
A_22_P00009881	4,99707	4,78126	1,161355774	ENST00000415408	114794	NM_052906	ELFN2
A_23_P380614	13,41	13,1942	1,161347724	ENST00000338821	10079	NM_006045	ATP9A
A_22_P00014156	9,17244	8,95664	1,161347724	ENST00000562842	N/A	CD176148	N/A
A_22_P00022521	2,85667	2,64101	1,161235031	ENST00000616668	N/A	N/A	N/A
A_23_P502464	1,91288	1,69723	1,161226982	ENST00000313735	4843	NM_000625	NOS2
A_33_P3323041	5,49797	5,28237	1,161186738	ENST00000354485	N/A	AL832454	N/A
A_23_P76435	8,85064	8,63509	1,161146495	ENST00000548171	283459	NM_176818	GATC
A_33_P3377060	13,49	13,2745	1,161106253	ENST00000244763	6745	NM_003144	SSR1
A_23_P46131	6,09134	5,87589	1,161066013	ENST00000374268	79927	NM_024869	FAM110D
A_33_P3416687	7,39092	7,17551	1,161033822	ENST00000582708	10626	XR_248336	TRIM16
A_33_P6812640	3,50169	3,28628	1,161033822	ENST00000554260	101929241	NR_110165	LOC101929241
A_22_P00002736	17,333	17,1176	1,161025774	N/A	N/A	N/A	Inc-C20orf96-1
A_33_P3381245	14,7171	14,5017	1,161025774	ENST00000221784	9141	NM_004708	PDCD5
A_33_P3383287	7,5237	7,30838	1,160961395	N/A	N/A	AF068294	N/A
A_22_P00010059	1,82375	1,60843	1,160961395	ENST00000562158	N/A	BC015772	N/A

A_33_P3278540	11,6307	11,4154	1,160945301	ENST00000372014	64928	NM_032111	MRPL14
A_33_P3214047	1,79187	1,57671	1,160832648	ENST00000412929	N/A	N/A	N/A
A_24_P226210	8,63538	8,42022	1,160832648	ENST00000508138	153241	NM_153223	CEP120
A_33_P3260572	8,04657	7,83142	1,160824601	ENST00000415891	79745	NM_001287528	CLIP4
A_24_P357406	3,31034	3,09519	1,160824601	ENST00000382670	378948	NM_001006121	RBMY1B
A_33_P3257513	8,30276	8,08764	1,160800463	ENST00000409404	120114	NM_001008781	FAT3
A_23_P15654	11,3511	11,136	1,160784371	ENST00000262395	9618	NM_004295	TRAF4
A_21_P0000468	3,60892	3,39382	1,160784371	N/A	100113391	NR_003693	SNORD126
A_22_P00002484	6,06772	5,85265	1,160760233	N/A	N/A	AV707313	lnc-C16orf13-1
A_24_P90878	9,13684	8,92177	1,160760233	ENST00000381337	55623	NM_017736	THUMPD1
A_23_P102965	10,7417	10,5267	1,160703914	ENST00000498133	23786	NM_015367	BCL2L13
A_33_P3349619	6,66634	6,45136	1,160687824	ENST00000445663	N/A	N/A	N/A
A_23_P382488	5,32066	5,1057	1,160671733	ENST00000560349	90668	NM_138360	LRRC16B
A_22_P00013529	3,918	3,70315	1,16058324	N/A	N/A	N/A	lnc-RP11-410N8.4.1-1
A_21_P0008159	1,60062	1,38586	1,160510841	N/A	N/A	N/A	lnc-KIAA0226L-3
A_33_P3367681	4,03482	3,82007	1,160502797	N/A	N/A	N/A	N/A
A_23_P3355	11,9472	11,7325	1,160462578	ENST00000530292	5428	NM_002693	POLG
A_33_P3220545	3,25899	3,04435	1,160414317	ENST00000515652	340024	NM_001003841	SLC6A19
A_33_P3299386	6,48813	6,2735	1,160406273	ENST00000457177	162972	NM_001277092	ZNF550
A_23_P76731	9,78194	9,56736	1,160366057	ENST00000361847	5891	NM_014226	MOK
A_22_P00020611	5,60168	5,38712	1,160349971	N/A	N/A	N/A	lnc-PRL-2
A_21_P0005372	3,04216	2,82764	1,1603178	ENST00000585952	100506725	N/A	LOC100506725
A_23_P77493	10,2607	10,0462	1,160301715	ENST00000315491	10381	NM_006086	TUBB3
A_23_P108785	13,7395	13,5251	1,160221292	ENST00000478928	10096	NM_005721	ACTR3
A_24_P389517	13,0119	12,7975	1,160221292	ENST00000457156	3190	NM_031262	HNRNPK
A_33_P3411925	13,5105	13,2961	1,160221292	ENST00000585809	57418	NM_024100	WDR18
A_23_P6066	3,46191	3,24754	1,160197166	ENST00000380605	56265	NM_019609	CPXM1
A_32_P190416	7,70199	7,48762	1,160197166	ENST00000454590	9053	NM_003980	MAP7
A_21_P0006640	1,97501	1,7607	1,160148915	N/A	N/A	N/A	lnc-PFKP-12
A_21_P0006929	4,78424	4,57003	1,160068503	N/A	N/A	N/A	lnc-GPR26-4
A_23_P398372	10,979	10,7648	1,160060462	ENST00000561457	90120	NM_001256526	C9orf69
A_22_P00004363	5,04037	4,82617	1,160060462	ENST00000617298	N/A	XR_243071	N/A
A_24_P82419	16,2415	16,0273	1,160060462	ENST00000589417	440093	NM_001013699	H3F3C

A_21_P0000910	9,84702	9,63283	1,160052421	N/A	N/A	N/A	Inc-MIB2-1
A_33_P3280705	2,17721	1,96305	1,160028299	N/A	N/A	N/A	N/A
A_33_P3335621	8,84083	8,62669	1,160012217	ENST00000338548	5716	NM_170750	PSMD10
A_23_P342668	11,0134	10,7993	1,159980055	ENST00000474361	8227	NM_005088	AKAP17A
A_22_P00004292	6,07128	5,85721	1,159955935	N/A	N/A	N/A	Inc-CNOT6-4
A_21_P0011753	6,97167	6,7576	1,159955935	N/A	N/A	N/A	XLOC_I2_007063
A_21_P0001752	6,49519	6,28121	1,159883575	N/A	N/A	N/A	Inc-FAIM3-1
A_22_P00017190	4,53675	4,32281	1,159851417	N/A	N/A	N/A	Inc-UCHL3-1
A_21_P0011055	1,79498	1,58107	1,159827298	ENST00000458043	283310	N/A	OTOGL
A_23_P24751	11,7641	11,5502	1,159819259	ENST00000532583	283237	NM_173810	TTC9C
A_22_P00008862	1,95712	1,74326	1,159787103	N/A	338862	N/A	LINC00550
A_21_P0008178	9,17745	8,9636	1,159779064	N/A	N/A	N/A	Inc-PCDH9-3
A_33_P3345931	3,90202	3,6882	1,159754947	N/A	N/A	N/A	N/A
A_23_P417014	5,91217	5,69838	1,159730831	ENST00000452316	282890	NM_001010877	ZNF311
A_22_P00011090	2,09556	1,88177	1,159730831	N/A	N/A	N/A	Inc-NUDT11-2
A_21_P0001659	5,84307	5,62931	1,159706715	N/A	N/A	N/A	Inc-ACTRT2-1
A_23_P94703	10,1642	9,95044	1,159706715	ENST00000259339	27348	NM_014506	TOR1B
A_33_P3236319	4,3148	4,10107	1,1596826	N/A	N/A	N/A	Inc-CBWD5-2
A_21_P0009700	2,02779	1,8141	1,159650447	ENST00000587998	102724958	NR_110760	LOC102724958
A_33_P3398719	7,10436	6,89068	1,159642409	N/A	N/A	N/A	N/A
A_33_P3353873	2,06753	1,85388	1,159618295	N/A	N/A	N/A	N/A
A_33_P3499102	7,36416	7,15052	1,159610257	N/A	8241	AK098115	RBM10
A_32_P193322	11,7111	11,4975	1,159578107	ENST00000357387	253260	NM_152756	RICTOR
A_24_P942517	10,5973	10,3837	1,159578107	ENST00000246024	56255	NM_021156	TMX4
A_23_P80694	7,78652	7,57304	1,15948166	ENST00000335754	93973	NM_022899	ACTR8
A_22_P00012962	1,93924	1,72583	1,159425403	N/A	N/A	N/A	Inc-REG3G-2
A_23_P312646	11,6803	11,4669	1,159417366	ENST00000483807	286257	NM_183241	C9orf142
A_24_P347488	14,773	14,5597	1,159337004	ENST00000555787	5700	NM_002802	PSMC1
A_23_P56288	7,16378	6,95049	1,159328968	ENST00000621306	114823	NM_052925	LENG8
A_22_P00022837	1,90122	1,688	1,159272719	ENST00000581750	N/A	BX092560	N/A
A_33_P3279581	7,78409	7,5709	1,159248613	ENST00000558783	N/A	AY358648	N/A
A_33_P3278649	7,91222	7,69904	1,159240577	ENST00000355097	954	NM_203468	ENTPD2
A_23_P36724	7,28262	7,06945	1,159232542	ENST00000339235	144699	NM_152441	FBXL14

A_23_P76078	8,36559	8,15247	1,159192367	ENST00000228534	51561	NM_016584	IL23A
A_33_P3280471	4,05162	3,83855	1,159152193	ENST00000546748	2065	NM_001982	ERBB3
A_33_P3222218	4,93656	4,72349	1,159152193	ENST00000369800	54492	NM_001142651	NEURL1B
A_33_P3270317	6,98044	6,76738	1,159144158	ENST00000374115	6572	NM_003055	SLC18A3
A_21_P0010030	1,92668	1,71363	1,159136124	N/A	N/A	N/A	Inc-FAM182B-5
A_22_P00025334	4,78486	4,57181	1,159136124	ENST00000468141	100134259	NR_024452	LINC01119
A_23_P313031	7,29147	7,07846	1,159103986	N/A	101930506	XR_249340	LOC101930506
A_23_P109821	14,1687	13,9557	1,159095952	ENST00000492103	10474	NM_006354	TADA3
A_22_P00000136	7,78101	7,56804	1,159071849	ENST00000496128	201651	BF214111	AADACP1
A_33_P3309429	7,58827	7,37532	1,159055781	ENST00000477844	11097	BC039333	NUPL2
A_24_P453544	5,82478	5,61184	1,159047747	N/A	N/A	AY239294	N/A
A_33_P3327500	7,45105	7,23819	1,158983478	ENST00000388761	402682	NM_001015072	UFSP1
A_21_P0013318	8,37174	8,15891	1,158959378	ENST00000411872	27297	NM_001142414	CRCP
A_21_P0010603	3,40655	3,19378	1,158911179	ENST00000457096	N/A	XR_431139	N/A
A_33_P3279720	6,54738	6,33465	1,158879048	ENST00000612772	10139	N/A	ARFRP1
A_24_P251381	5,93625	5,72357	1,158838885	ENST00000318673	79840	NM_024782	NHEJ1
A_33_P3256880	4,13998	3,92745	1,158718404	N/A	642980	AK131413	LOC642980
A_33_P3419139	7,75578	7,54328	1,158694309	ENST00000497044	57698	NM_001127211	KIAA1598
A_24_P139773	9,90767	9,69523	1,158646122	ENST00000431586	5511	NM_138558	PPP1R8
A_24_P183094	12,4672	12,2548	1,158613998	ENST00000256031	79572	NM_024524	ATP13A3
A_33_P3423570	15,2225	15,0101	1,158613998	ENST00000564661	79006	NM_024042	METRNL
A_33_P3327491	6,09796	5,88556	1,158613998	N/A	N/A	N/A	N/A
A_21_P0011854	4,33295	4,12065	1,158533691	ENST00000614994	N/A	N/A	N/A
A_23_P43175	12,8503	12,638	1,158533691	ENST00000397712	151011	NM_144710	set-10
A_33_P3268318	5,04342	4,83112	1,158533691	N/A	N/A	N/A	N/A
A_19_P00801867	4,97242	4,76016	1,158501571	N/A	100129434	NR_125368	LOC100129434
A_33_P3804778	2,26228	2,05009	1,158445361	N/A	N/A	CD049825	N/A
A_21_P0010848	1,92856	1,71638	1,158437331	N/A	N/A	N/A	XLOC_I2_001800
A_33_P3394933	8,18127	7,96913	1,158405213	ENST00000395164	8974	NM_001017973	P4HA2
A_21_P0005417	1,73317	1,52107	1,158373096	N/A	100996249	NR_110159	LOC100996249
A_22_P00024298	6,51844	6,30639	1,15833295	ENST00000505338	114134	NM_052885	SLC2A13
A_33_P3372699	7,06908	6,85707	1,158300835	ENST00000320982	284904	NM_174977	SEC14L4
A_24_P55148	9,70437	9,49239	1,158276749	ENST00000339812	8970	NM_021058	HIST1H2BJ

A_23_P62336	1,94134	1,72941	1,158236607	ENST00000373111	53336	NM_033048	CPXCR1
A_23_P135465	8,93502	8,7232	1,158148299	ENST00000326737	283254	NM_173811	HARBI1
A_33_P3246083	11,3561	11,1443	1,158132244	ENST00000448177	54995	NM_017897	OXSM
A_22_P00004659	2,33282	2,12104	1,158116189	N/A	N/A	N/A	Inc-CTD-2014B16.3.1-1
A_22_P00004812	4,55323	4,34148	1,158092107	ENST00000515296	N/A	DA232433	N/A
A_24_P162287	6,98594	6,77422	1,158068025	ENST00000461386	11190	NM_007186	CEP250
A_21_P0003274	6,20785	5,99616	1,158043944	N/A	N/A	N/A	Inc-AC069257.9.1-6
A_32_P30649	6,82753	6,61587	1,158019863	ENST00000306376	2119	NM_004454	ETV5
A_23_P107465	5,80244	5,59082	1,157987757	ENST00000573281	3881	NM_002277	KRT31
A_23_P406785	4,43786	4,2263	1,157939598	ENST00000372478	375759	NM_199350	C9orf50
A_33_P3266530	13,7496	13,5381	1,157891442	ENST00000354321	64118	NM_022156	DUS1L
A_33_P3663105	2,42118	2,20973	1,157851313	N/A	284263	BC038429	LOC284263
A_33_P3244728	7,71451	7,50308	1,157835262	ENST00000263816	4036	NM_004525	LRP2
A_33_P3382766	2,52312	2,31177	1,15777106	N/A	100133121	AK093358	FAM27B
A_33_P6497255	2,01991	1,80858	1,15775501	N/A	101928264	XR_426854	LOC101928264
A_21_P0009685	10,4285	10,2172	1,157730935	ENST00000503892	153339	NM_174909	TMEM167A
A_33_P3225567	9,99	9,7787	1,157730935	ENST00000372936	79979	NM_024917	TRMT2B
A_24_P388703	6,14524	5,93398	1,157698837	N/A	439933	NR_122080	LOC439933
A_33_P3350259	2,33489	2,12368	1,157658715	ENST00000332386	199786	NM_001098524	FAM129C
A_23_P55518	9,7154	9,50425	1,15761057	ENST00000545051	4092	NM_005904	SMAD7
A_33_P3313660	5,17092	4,95978	1,157602546	N/A	23629	NR_002730	BRD7P3
A_21_P0000660	6,30051	6,08941	1,157570451	N/A	100499489	NR_036533	LOC100499489
A_19_P00801041	4,36979	4,15869	1,157570451	N/A	N/A	N/A	GNASAS
A_22_P00012485	5,57954	5,36849	1,157530333	ENST00000564160	100507321	NR_040023	ERVK13-1
A_33_P3276376	4,37037	4,15933	1,15752231	N/A	N/A	N/A	N/A
A_24_P219266	9,4706	9,25958	1,157506263	ENST00000563454	255252	NM_153260	LRRC57
A_21_P0012153	4,89809	4,68708	1,15749824	ENST00000603095	N/A	N/A	N/A
A_21_P0000275	7,67849	7,46756	1,157434057	ENST00000502890	619571	NR_002592	SNORD96A
A_23_P152107	14,8743	14,6634	1,157409989	ENST00000403747	7329	NM_194259	UBE2I
A_21_P0014077	8,99367	8,7828	1,157385921	N/A	100505666	NR_040772	LOC100505666
A_21_P0009993	8,75432	8,54349	1,157353832	N/A	100505771	XR_109592	LOC100505771
A_24_P326708	6,26381	6,05299	1,15734581	ENST00000544817	9024	NM_003957	BRSK2
A_33_P3305325	2,49904	2,28823	1,157337788	ENST00000416803	N/A	N/A	N/A

A_22_P00003091	3,62058	3,40979	1,157321744	N/A	100131726	NR_024479	FAM83A-AS1
A_33_P3305625	5,54395	5,33316	1,157321744	N/A	N/A	AK124509	N/A
A_22_P00000250	5,81627	5,60549	1,157313722	ENST00000381977	284009	NR_028335	LOC284009
A_33_P3355944	5,27964	5,0689	1,157281635	ENST00000582452	284276	N/A	LINC00908
A_33_P3294654	8,959	8,74828	1,157265592	ENST00000375599	79363	NM_030907	RSG1
A_24_P15640	9,6641	9,45338	1,157265592	N/A	N/A	BC137009	N/A
A_33_P3289561	10,2924	10,0817	1,157249549	N/A	N/A	N/A	N/A
A_33_P3416376	4,90236	4,69177	1,157161316	N/A	342918	XM_006723188	C19orf81
A_24_P583040	6,37279	6,16223	1,157137254	ENST00000397861	339210	NM_001085430	C17orf67
A_21_P0001535	2,41374	2,20325	1,157081111	N/A	N/A	N/A	Inc-GTF2B-3
A_22_P00010761	5,27427	5,06389	1,156992891	N/A	N/A	BC069188	Inc-NKD2-2
A_22_P00024677	7,15668	6,9463	1,156992891	ENST00000542219	101927901	N/A	LOC101927901
A_32_P169179	7,95294	7,74257	1,156984871	N/A	55545	NR_002307	MSX2P1
A_24_P108242	8,9272	8,71696	1,156880621	N/A	9570	NM_004287	GOSR2
A_24_P38754	5,53747	5,32728	1,156840527	ENST00000333926	55847	NM_018464	CISD1
A_23_P76969	11,4786	11,2685	1,156768362	ENST00000537413	26037	NM_015556	SIPA1L1
A_23_P84140	10,5796	10,3695	1,156768362	ENST00000393650	9657	NM_001023571	IQCB1
A_33_P3376454	9,09303	8,88302	1,156696201	N/A	100133299	AY358688	LOC100133299
A_23_P331943	11,4318	11,2218	1,156688184	ENST00000367090	57583	NM_020823	TMEM181
A_22_P00003566	5,4842	5,27427	1,156632062	N/A	N/A	N/A	Inc-CCT5-1
A_24_P221092	8,65203	8,4421	1,156632062	N/A	N/A	AF289615	N/A
A_33_P3326882	1,78797	1,57807	1,156608011	N/A	100131032	AK128135	LOC100131032
A_24_P244442	10,7878	10,578	1,156527844	ENST00000537604	26580	NM_032667	BSCL2
A_22_P00013644	1,90913	1,69935	1,156511811	ENST00000523195	157693	NR_103537	FAM87A
A_33_P3383912	7,37913	7,16938	1,156487762	ENST00000412634	3125	NM_022555	HLA-DRB3
A_23_P160689	9,28213	9,07238	1,156487762	ENST00000485275	55791	NM_018372	LRIF1
A_22_P00024831	2,61084	2,4011	1,156479746	ENST00000556652	N/A	N/A	N/A
A_23_P126689	8,9019	8,69221	1,156439667	ENST00000485277	27005	NM_001014443	USP21
A_22_P00006069	4,10261	3,89302	1,156359511	N/A	N/A	BF238994	Inc-FAM13B-1
A_23_P315571	1,92432	1,71476	1,156335465	ENST00000334133	23180	NM_015150	RFTN1
A_23_P94636	9,26782	9,05831	1,156295391	ENST00000423239	54542	NM_018835	RC3H2
A_23_P41314	2,03376	1,8243	1,156255317	ENST00000403665	2160	NM_000128	F11
A_21_P0005204	2,76537	2,55591	1,156255317	ENST00000492208	N/A	N/A	N/A

A_22_P00004557	1,91334	1,70389	1,156247303	N/A	N/A	AA626491	Inc-CRNKL1-2
A_33_P3359157	7,11214	6,9027	1,156239288	ENST00000487649	10712	NM_001267608	FAM189B
A_33_P3355608	6,61758	6,40821	1,156183188	ENST00000356878	56141	NM_031852	PCDHA7
A_33_P3364373	7,09672	6,88741	1,156135105	ENST00000612541	440021	NM_001004325	KRTAP5-2
A_23_P334864	9,09004	8,88074	1,156127091	ENST00000286181	285172	NM_173822	FAM126B
A_23_P69431	17,6845	17,4752	1,156127091	ENST00000564647	6124	NM_000968	RPL4
A_33_P3212402	1,99599	1,7867	1,156119078	N/A	N/A	N/A	Inc-ZNF479-2
A_33_P6671337	6,24754	6,03825	1,156119078	ENST00000423478	644353	N/A	ZCCHC18
A_21_P0007907	4,8772	4,66795	1,156087024	ENST00000616974	100506622	NR_103810	LINC00540
A_19_P00319465	11,7764	11,5672	1,156046958	ENST00000428216	57506	NM_020746	MAVS
A_33_P3275826	16,6893	16,4801	1,156046958	N/A	N/A	N/A	N/A
A_22_P00014343	2,03887	1,82969	1,156030931	ENST00000496891	646168	NR_033843	LINC01330
A_22_P00022194	1,89549	1,68642	1,155942792	N/A	101927688	NR_110810	SEPT4-AS1
A_24_P376339	12,3857	12,1767	1,155886707	ENST00000408918	81669	NM_001039577	CCNL2
A_23_P74981	7,61358	7,40465	1,155830624	ENST00000366503	93474	NM_033213	ZNF670
A_24_P294719	11,0168	10,808	1,155726478	ENST00000261942	23197	NM_014613	FAF2
A_23_P501805	7,8856	7,67686	1,155678413	ENST00000393471	51601	NM_145197	LIPT1
A_33_P3383611	10,2663	10,0576	1,155646372	ENST00000612224	375616	NM_199349	KCP
A_33_P3387420	1,93561	1,72696	1,155606321	ENST00000371117	5314	NM_138694	PKHD1
A_24_P94651	11,9967	11,7881	1,155566271	ENST00000356401	10425	NM_006321	ARIH2
A_33_P3305472	9,79437	9,58579	1,155550252	N/A	N/A	AK123993	N/A
A_33_P3363655	6,92389	6,71532	1,155542242	ENST00000437031	64682	NM_022662	ANAPC1
A_23_P215875	13,1199	12,9114	1,155486176	ENST00000518554	25879	NM_015420	DCAF13
A_23_P20615	13,5444	13,3359	1,155486176	ENST00000486769	10541	NM_006401	ANP32B
A_23_P434289	3,93663	3,72818	1,155446131	ENST00000322241	118442	NM_080865	GPR62
A_23_P156620	7,43295	7,22455	1,155406087	ENST00000377419	7738	NM_007149	ZNF184
A_33_P3259428	10,0925	9,88411	1,155398078	ENST00000511232	54853	XM_005268471	WDR55
A_32_P182511	9,89752	9,68917	1,155366044	ENST00000343629	57707	NM_020947	TLDC1
A_23_P41395	1,87354	1,66526	1,155309987	ENST00000295589	886	NM_000730	CCKAR
A_19_P00813347	9,48	9,27173	1,155301979	ENST00000334256	3840	NM_002268	KPNA4
A_23_P25929	11,8729	11,6647	1,155245925	ENST00000556668	8892	NM_014239	EIF2B2
A_22_P00015589	10,785	10,5768	1,155245925	ENST00000469135	10228	NM_005819	STX6
A_19_P00321839	2,02941	1,82126	1,155205887	N/A	N/A	N/A	Inc-HSCB-2

A_22_P00004923	7,65295	7,44487	1,155149838	N/A	N/A	N/A	Inc-DBH-1
A_33_P3340468	5,63455	5,42648	1,155141831	ENST00000403304	2491	XM_005262111	CENPI
A_33_P3239790	4,00443	3,79637	1,155133824	ENST00000300850	9726	NM_014699	ZNF646
A_33_P3405451	2,05994	1,85189	1,155125817	N/A	284900	NR_026963	TTC28-AS1
A_33_P3215929	6,26663	6,0586	1,155109804	ENST00000495017	55615	NM_015366	PRR5
A_21_P0007286	3,05488	2,84689	1,155077778	N/A	N/A	N/A	Inc-AP000679.2.1-1
A_24_P88775	5,44246	5,23449	1,155061765	ENST00000411425	84874	NM_032788	ZNF514
A_32_P206949	7,61458	7,40666	1,155021735	ENST00000494919	200728	NM_198276	TMEM17
A_22_P00000405	2,47672	2,26881	1,155013729	N/A	102724508	NR_110880	LOC102724508
A_23_P21363	13,8876	13,6797	1,155005723	ENST00000257247	79026	NM_024060	AHNAK
A_23_P133974	10,12	9,91212	1,154989711	ENST00000374021	64771	NM_024294	C6orf106
A_23_P303455	7,89104	7,68317	1,154981705	ENST00000367835	23432	NM_153832	GPR161
A_24_P14367	8,69472	8,48686	1,1549737	ENST00000394601	5725	NM_002819	PTBP1
A_22_P00001118	1,64591	1,43805	1,1549737	N/A	N/A	CR742343	Inc-ALPK1-1
A_21_P0002987	1,82863	1,62079	1,154957689	ENST00000471614	N/A	N/A	N/A
A_33_P3416127	1,9489	1,74108	1,154941678	ENST00000262259	7728	AK093799	ZNF175
A_24_P238744	15,025	14,8172	1,154925667	ENST00000507366	641455	NM_001145442	POTEM
A_24_P201531	11,6919	11,4841	1,154925667	ENST00000614498	372	NM_001655	ARCN1
A_33_P3548768	3,26355	3,0558	1,154885641	N/A	388699	CU449054	LINC00302
A_33_P3302390	6,59601	6,38829	1,154861626	N/A	N/A	N/A	N/A
A_23_P142724	17,8988	17,6911	1,154845616	ENST00000420712	6168	NM_000998	RPL37A
A_21_P0013393	1,81404	1,60637	1,154821602	ENST00000415536	102723946	N/A	LOC102723946
A_22_P00010446	2,96339	2,75575	1,154797589	ENST00000492981	N/A	N/A	N/A
A_33_P3416622	7,35684	7,14925	1,154757567	N/A	100126693	AK131425	LINC00322
A_22_P00013768	4,01346	3,80601	1,154645514	ENST00000435412	N/A	N/A	N/A
A_33_P3388909	3,68782	3,48037	1,154645514	N/A	100133077	NR_121583	LOC100133077
A_33_P3209497	7,64867	7,44123	1,154637511	ENST00000439431	N/A	N/A	N/A
A_33_P3216635	3,99858	3,79117	1,154613501	N/A	N/A	N/A	N/A
A_23_P126167	2,16518	1,95779	1,154597495	ENST00000618040	3782	NM_002249	KCNN3
A_21_P0007066	6,33398	6,12666	1,154541475	N/A	N/A	N/A	Inc-SRGN-1
A_33_P3376292	2,84674	2,63943	1,154533472	ENST00000367355	554279	NR_040064	LINC00862
A_22_P00005616	2,10454	1,89733	1,154453449	N/A	100506495	NR_103554	LIFR-AS1
A_33_P3272553	7,44592	7,23872	1,154445447	ENST00000395698	29781	NM_014551	NCAPH2



A_22_P00023730	4,37966	4,17254	1,154381432	ENST00000430068	N/A	N/A	N/A
A_22_P00009667	6,56619	6,35907	1,154381432	ENST00000427881	N/A	XR_244424	N/A
A_23_P302654	11,5471	11,34	1,154365429	ENST00000264935	55722	NM_018140	CEP72
A_33_P3333224	10,047	9,8399	1,154365429	ENST00000262366	84662	NM_032575	GLIS2
A_22_P00015100	4,25212	4,04506	1,154333424	ENST00000430548	N/A	XR_426151	N/A
A_33_P3273752	1,9157	1,70868	1,154301419	N/A	N/A	N/A	N/A
A_23_P76901	14,8328	14,6258	1,154285418	ENST00000490180	26030	NM_015549	PLEKHG3
A_21_P0005609	3,94816	3,74125	1,154213412	N/A	100216545	N/A	KMT2E-AS1
A_23_P126844	13,8691	13,6622	1,154205411	ENST00000513135	8718	NM_148965	TNFRSF25
A_22_P00012015	5,46392	5,25703	1,154197411	N/A	N/A	N/A	Inc-PLD1-2
A_33_P3316572	2,01316	1,80633	1,15414941	N/A	N/A	N/A	N/A
A_23_P17870	14,6115	14,4047	1,154125411	ENST00000361684	25829	NM_012264	TMEM184B
A_22_P00018950	7,14645	6,93973	1,154061414	ENST00000561809	79583	NM_001077416	TMEM231
A_23_P205841	10,2418	10,0351	1,154045416	ENST00000356056	4649	NM_006901	MYO9A
A_33_P3282522	1,94584	1,73915	1,154037416	ENST00000617620	140687	NM_080615	GCNT7
A_21_P0010585	1,71844	1,51175	1,154037416	N/A	N/A	N/A	XLOC_I2_000696
A_21_P0007781	1,99523	1,78859	1,153997421	N/A	N/A	N/A	Inc-DHX37-7
A_19_P00321511	15,4395	15,2329	1,153965426	ENST00000623001	387066	NR_003038	SNHG5
A_24_P80135	10,1665	9,95991	1,153957427	ENST00000175756	26469	NM_014369	PTPN18
A_21_P0013162	4,36286	4,15632	1,153917435	N/A	729178	NR_034115	STXBP5-AS1
A_33_P3323999	13,9734	13,7669	1,153885442	ENST00000380817	6305	NM_002972	SBF1
A_21_P0003138	5,79277	5,58631	1,15385345	N/A	N/A	N/A	Inc-RPL24-2
A_33_P3870056	5,79755	5,59109	1,15385345	ENST00000434344	283335	NR_033854	LOC283335
A_22_P00022751	4,62958	4,42315	1,153829456	ENST00000445070	N/A	N/A	N/A
A_22_P00009847	4,62369	4,41728	1,153813461	N/A	497258	NR_033312	BDNF-AS
A_33_P3253799	9,47713	9,27076	1,153781471	ENST00000503583	80230	NM_001040451	RUFY1
A_33_P3269598	8,18514	7,97877	1,153781471	ENST00000479391	375748	NM_020207	ERCC6L2
A_33_P3718679	1,94496	1,73861	1,153765476	ENST00000563727	283731	BC050067	LOC283731
A_33_P3335137	10,0207	9,81443	1,1537015	ENST00000402096	23192	NM_013325	ATG4B
A_22_P00025589	4,07848	3,87229	1,153637527	ENST00000521725	N/A	DA858760	N/A
A_19_P00322925	5,65011	5,44393	1,15362953	ENST00000607519	N/A	N/A	N/A
A_23_P391926	4,7254	4,51926	1,153597545	ENST00000340736	22859	NM_001008701	LPHN1
A_33_P3270197	4,71509	4,509	1,153557565	ENST00000390005	129563	NM_001257281	DIS3L2

A_23_P6980	8,39935	8,19327	1,15354957	ENST00000491507	100131827	NM_001290210	ZNF717
A_21_P0002352	4,38239	4,17633	1,153533578	N/A	N/A	N/A	Inc-AC007557.1.1-3
A_32_P85539	6,3286	6,12259	1,1534936	ENST00000229330	29915	NM_013320	HCFC2
A_23_P46627	12,371	12,165	1,153485605	ENST00000495562	51094	NM_015999	ADIPOR1
A_23_P209619	11,6458	11,4398	1,153485605	ENST00000378954	64225	NM_022374	ATL2
A_21_P0014764	1,8872	1,68122	1,153469614	N/A	100287664	AY742823	TSRM
A_22_P00013960	2,73057	2,5246	1,153461619	N/A	N/A	AK126659	Inc-RTL1-1
A_33_P3343820	3,99118	3,78529	1,15339766	ENST00000370535	286411	NR_028344	LINC00632
A_33_P3266484	1,94606	1,74018	1,153389665	ENST00000334726	138805	NM_001004485	OR13F1
A_23_P82065	1,94393	1,73809	1,153357687	ENST00000369816	6785	NM_022726	ELOVL4
A_32_P185637	2,11314	1,90731	1,153349692	ENST00000422202	57642	NM_020882	COL20A1
A_21_P0000082	12,2524	12,0466	1,153325709	ENST00000293618	113251	NM_199188	LARP4
A_33_P3358804	4,9457	4,73993	1,153301727	N/A	N/A	N/A	N/A
A_23_P112162	11,2919	11,0862	1,153245769	ENST00000524965	8694	NM_012079	DGAT1
A_23_P140069	11,2524	11,0467	1,153245769	ENST00000355619	26224	NM_012158	FBXL3
A_21_P0005391	1,92952	1,72383	1,153237776	N/A	N/A	N/A	Inc-TPST1-1
A_22_P00022552	1,94354	1,73787	1,153221789	ENST00000517739	N/A	BG501166	N/A
A_23_P217269	1,90178	1,69612	1,153213795	ENST00000412866	11326	NM_007268	VSIG4
A_22_P00018347	6,35878	6,15314	1,153197808	N/A	100507458	NR_110900	ZNF213-AS1
A_21_P0009312	1,93657	1,73098	1,153157842	N/A	N/A	N/A	Inc-ACCN1-2
A_24_P305662	8,90574	8,70015	1,153157842	ENST00000492988	27037	NM_022727	TRMT2A
A_21_P0008379	1,93937	1,73383	1,153117877	N/A	N/A	N/A	Inc-GLRX5-1
A_23_P252981	7,91039	7,70489	1,153085907	ENST00000471548	59272	NM_021804	ACE2
A_33_P3297126	3,99567	3,7902	1,153061929	ENST00000307180	203062	NM_145003	TSNARE1
A_24_P115700	7,22486	7,01943	1,15302996	ENST00000370483	1355	NM_078470	COX15
A_23_P145289	10,3137	10,1083	1,153005984	ENST00000462708	2794	NM_005275	GNL1
A_33_P3510335	6,303	6,09764	1,152974016	ENST00000574564	65125	NM_213655	WNK1
A_22_P00018477	5,49662	5,29138	1,152878118	N/A	N/A	DA084938	Inc-THOC5-1
A_21_P0005530	3,9118	3,70657	1,152870127	N/A	N/A	N/A	Inc-RBM28-1
A_23_P10374	12,1057	11,9005	1,152846154	ENST00000441731	22864	NM_014925	R3HDM2
A_33_P3356170	1,94521	1,74002	1,152838163	ENST00000332836	338321	NM_176820	NLRP9
A_24_P85200	11,2556	11,0505	1,152766248	ENST00000286523	91748	NM_194278	ELMSAN1
A_22_P00007404	3,34033	3,13523	1,152766248	N/A	100507557	NR_038244	LOC100507557

A_22_P00002773	2,21007	2,00505	1,152702327	N/A	N/A	N/A	Inc-C22orf31-2
A_33_P3345389	10,2961	10,0911	1,152686347	ENST00000252032	25943	NM_001009984	C20orf194
A_23_P205031	6,89995	6,69499	1,152654388	ENST00000360467	1284	NM_001846	COL4A2
A_21_P0011923	7,44236	7,23743	1,152630419	ENST00000467687	51057	N/A	WDPCP
A_23_P346265	7,54568	7,34089	1,152518573	ENST00000549940	79158	NM_024312	GNPTAB
A_23_P5731	9,94225	9,73747	1,152510584	ENST00000470100	51011	NM_016044	FAHD2A
A_21_P0011885	5,93598	5,73128	1,152446677	N/A	N/A	N/A	XLOC_I2_007829
A_22_P00023195	2,68238	2,47769	1,152438689	N/A	103689846	NR_125748	ADAMTS19-AS1
A_33_P3223631	8,97663	8,77197	1,152414725	ENST00000601550	N/A	XR_428276	N/A
A_21_P0009725	2,34575	2,1411	1,152406737	N/A	N/A	N/A	Inc-IGFL1-1
A_21_P0002695	1,93969	1,73507	1,152382774	N/A	N/A	N/A	Inc-AC131097.4.1-3
A_32_P16007	1,87883	1,67423	1,152366799	ENST00000570157	102724631	NM_207355	POTEB3
A_21_P0007505	6,8817	6,67716	1,152318874	N/A	N/A	N/A	Inc-MLXIP-1
A_33_P6607908	4,41459	4,21007	1,1523029	ENST00000539856	51503	N/A	CWC15
A_23_P126241	11,3361	11,1316	1,152286925	ENST00000602326	8672	NM_003760	EIF4G3
A_22_P00014774	3,87582	3,67135	1,152262964	ENST00000552634	N/A	N/A	N/A
A_22_P00016586	3,8856	3,6812	1,152207058	ENST00000429834	101929697	XR_246049	LOC101929697
A_24_P724153	6,21028	6,00588	1,152207058	N/A	N/A	CU688199	N/A
A_23_P216448	8,71634	8,51195	1,152199071	ENST00000397581	4781	NM_005596	NFIB
A_24_P940411	1,94535	1,74096	1,152199071	ENST00000398000	79742	NM_176819	CXorf36
A_19_P00322743	5,71685	5,5125	1,152167126	N/A	N/A	AK021551	Inc-SLC30A7-2
A_23_P135271	10,1168	9,91247	1,152151154	ENST00000379731	2683	NM_001497	B4GALT1
A_22_P00020876	1,93546	1,73118	1,152111224	N/A	101929698	NR_110619	LOC101929698
A_23_P250380	8,63209	8,42782	1,152103238	ENST00000505907	23324	NM_015274	MAN2B2
A_23_P137097	7,55992	7,35571	1,152055324	ENST00000587091	6567	NM_006517	SLC16A2
A_33_P3336384	6,55775	6,35358	1,152023383	ENST00000368539	196743	NM_207127	PAOX
A_33_P3361546	8,30058	8,09644	1,151999428	ENST00000379604	7020	NM_001032280	TFAP2A
A_24_P109417	4,44724	4,24314	1,151967488	ENST00000294485	374946	NM_198545	DRAXIN
A_21_P0013201	8,48974	8,28566	1,151951518	ENST00000441896	N/A	N/A	N/A
A_33_P3318449	1,89164	1,6876	1,15191958	ENST00000399398	643904	NM_001146684	RNF222
A_24_P365954	8,72729	8,52326	1,151911595	ENST00000303596	57215	NM_020457	THAP11
A_33_P3345663	7,6274	7,42344	1,151855706	ENST00000455978	129285	NM_001193475	PPP1R21
A_33_P3280796	4,56141	4,35748	1,151831754	N/A	4008	XM_005266396	LMO7

A_22_P00019512	1,94189	1,73797	1,15182377	N/A	N/A	N/A	Inc-ZIC4-3
A_24_P48403	11,2443	11,0404	1,151807802	ENST00000314574	7525	NM_005433	YES1
A_22_P00004653	1,906	1,70213	1,151783851	N/A	N/A	N/A	Inc-CTC-236F12.4.1-4
A_33_P3275435	7,74093	7,53708	1,151767884	N/A	100216545	NR_024586	KMT2E-AS1
A_21_P0008461	5,21773	5,01388	1,151767884	ENST00000557581	N/A	N/A	N/A
A_33_P3610771	1,9449	1,74115	1,151688053	N/A	54848	NM_001242729	ARHGEF38
A_24_P272310	4,15825	3,9545	1,151688053	ENST00000446157	389125	NM_205853	MUSTN1
A_23_P320862	3,86261	3,65887	1,15168007	ENST00000288462	257169	NM_152786	C9orf43
A_23_P219117	4,05214	3,84851	1,151592262	ENST00000523266	2039	NM_001978	DMTN
A_24_P941708	7,64429	7,44066	1,151592262	ENST00000399200	55680	NM_001042417	RUFY2
A_22_P00009680	3,07278	2,86918	1,151568316	ENST00000422763	101928687	NR_120641	LINC01468
A_24_P418418	18,1111	17,9076	1,151488498	ENST00000560612	6218	NM_001021	RPS17
A_23_P92520	6,44366	6,24016	1,151488498	ENST00000512835	23520	NM_012403	ANP32C
A_33_P3242703	6,36849	6,16501	1,151472535	ENST00000545967	5893	NR_123713	RAD52
A_21_P0002793	1,94038	1,7369	1,151472535	ENST00000464514	N/A	N/A	N/A
A_22_P00014991	1,93236	1,72892	1,15144061	N/A	N/A	N/A	Inc-SMCR5-2
A_33_P3235841	5,04903	4,84561	1,151424647	ENST00000530038	440044	NR_033396	SLC22A20
A_33_P3337144	6,63563	6,43221	1,151424647	ENST00000327835	619279	NM_001033723	ZNF704
A_33_P3229328	5,87226	5,66884	1,151424647	ENST00000370040	653149	NM_001143988	NBPF6
A_33_P3412560	9,38488	9,18148	1,151408685	N/A	N/A	AA504818	N/A
A_23_P151436	13,5011	13,2977	1,151408685	ENST00000486410	29880	NM_013338	ALG5
A_32_P191503	9,5934	9,39002	1,151392724	N/A	349114	NR_026999	LINC00265
A_22_P00016147	6,58687	6,3835	1,151384743	N/A	N/A	N/A	Inc-TIMM9-2
A_33_P3234746	1,89596	1,69266	1,151328879	ENST00000557387	N/A	N/A	N/A
A_21_P0011783	3,95252	3,7493	1,151265037	ENST00000600193	284379	N/A	LOC284379
A_23_P48327	1,91305	1,7099	1,151209179	ENST00000379108	386618	NM_198404	KCTD4
A_33_P3374165	3,8918	3,68865	1,151209179	N/A	N/A	AK090994	Inc-FBXW11-3
A_33_P3272938	1,92087	1,71778	1,151161302	ENST00000342905	58484	NM_001302504	NLRC4
A_22_P00010214	6,40886	6,20578	1,151153323	ENST00000519280	N/A	AA383451	N/A
A_32_P119248	5,77838	5,57536	1,151105449	ENST00000342833	2298	NM_207305	FOXD4
A_33_P3352852	4,63114	4,42814	1,151089491	ENST00000445369	9080	NM_020982	CLDN9
A_23_P84782	12,2468	12,0438	1,151089491	ENST00000612200	51078	NM_015963	THAP4
A_22_P00010003	1,93305	1,73007	1,151073534	N/A	101928553	XR_244869	LOC101928553

A_32_P137980	1,94423	1,74137	1,150977794	ENST00000400457	83259	NM_032973	PCDH11Y
A_33_P3394272	1,93406	1,73121	1,150969816	N/A	90632	NR_026861	LINC00473
A_23_P142671	8,49483	8,292	1,150953861	ENST00000491924	130557	NM_144631	ZNF513
A_33_P3392842	1,93869	1,73586	1,150953861	N/A	730668	NR_027240	LOC730668
A_33_P3413962	13,0496	12,8468	1,150929928	ENST00000381075	5214	NM_001242339	PFKP
A_33_P3297525	5,73465	5,53185	1,150929928	ENST00000454116	N/A	N/A	N/A
A_22_P00005979	5,77214	5,56941	1,150874085	ENST00000432823	N/A	N/A	N/A
A_33_P3227920	4,98601	4,78328	1,150874085	ENST00000461647	9122	NM_004696	SLC16A4
A_33_P3403733	7,15369	6,95103	1,150818246	ENST00000600179	729574	NM_001282321	FAM231A
A_22_P00005947	2,03668	1,83407	1,150778362	N/A	400541	NR_126007	LOC400541
A_23_P84070	11,0032	10,8006	1,150770386	ENST00000344442	51574	NM_016648	LARP7
A_24_P134727	6,19423	5,99166	1,150746456	ENST00000487519	7019	NM_003201	TFAM
A_33_P3411985	4,8488	4,64624	1,15073848	ENST00000402311	N/A	N/A	N/A
A_33_P3246438	5,22807	5,02555	1,150706575	ENST00000566802	283922	NR_026950	LOC283922
A_22_P00002506	2,68713	2,48462	1,150698599	ENST00000573819	N/A	N/A	N/A
A_21_P0008075	1,92019	1,7177	1,150682647	N/A	N/A	N/A	Inc-AL445989.1-11
A_21_P0000021	5,4055	5,20315	1,15057099	ENST00000428046	161823	NM_001159280	ADAL
A_33_P3318459	9,58506	9,38273	1,15055504	ENST00000392245	7341	NM_003352	SUMO1
A_21_P0007594	1,9418	1,73948	1,150547065	N/A	N/A	N/A	Inc-SYT1-2
A_33_P3222761	3,87698	3,67471	1,15050719	ENST00000390431	N/A	N/A	N/A
A_33_P3378545	5,63914	5,43691	1,150475292	N/A	N/A	DB092099	Inc-DIO2-3
A_21_P0013558	14,2329	14,0307	1,150451369	N/A	N/A	N/A	XLOC_I2_014720
A_23_P10458	1,89923	1,69704	1,150443394	ENST00000396008	55267	NM_018280	PRR34
A_23_P256694	7,3572	7,15504	1,150419472	N/A	114044	NR_002776	MCM3AP-AS1
A_24_P244470	9,04645	8,84432	1,15039555	ENST00000615206	10193	NM_194358	RNF41
A_33_P3214096	6,73811	6,53605	1,150339734	ENST00000336937	467	NM_001040619	ATF3
A_21_P0003411	3,83758	3,63554	1,150323787	ENST00000504710	N/A	N/A	N/A
A_22_P00001587	2,04092	1,83892	1,150291893	N/A	N/A	N/A	Inc-ARMC10-1
A_22_P00020070	1,94103	1,73907	1,150260001	ENST00000428888	N/A	N44694	N/A
A_33_P3361398	6,17974	5,97778	1,150260001	ENST00000382477	255057	XM_006722714	C19orf26
A_33_P3349036	3,36894	3,16708	1,150180274	ENST00000439488	100133612	N/A	LINC01134
A_21_P0007257	1,9318	1,72997	1,150156357	ENST00000577699	N/A	N/A	N/A
A_33_P3318436	1,94001	1,73826	1,15009258	ENST00000620903	284100	NR_024178	YWHAEP7

A_21_P0004125	1,935	1,73326	1,150084608	ENST00000512599	N/A	N/A	N/A
A_33_P3238425	2,07749	1,87575	1,150084608	ENST00000400906	155184	NM_207420	SLC2A7
A_33_P3326627	1,94241	1,74068	1,150076637	N/A	100130468	AK126528	LOC100130468
A_33_P3412095	8,16405	7,96233	1,150068665	ENST00000367756	5191	NM_000288	PEX7
A_33_P3286988	6,28668	6,08503	1,150012865	ENST00000561392	N/A	BF106382	N/A
A_33_P3303956	2,19498	1,99335	1,149996922	N/A	100133311	NR_038831	HOXA-AS3
A_23_P135857	7,15994	6,95832	1,149988951	ENST00000303236	9451	NM_004836	EIF2AK3
A_32_P47643	10,4873	10,2857	1,149973009	ENST00000327669	642273	NM_001077710	FAM110C
A_22_P00000127	1,94309	1,74152	1,149949096	N/A	100885777	NR_047686	PCCA-AS1
A_21_P0009121	2,00134	1,79981	1,149917213	N/A	N/A	N/A	Inc-RP11-152O14.5.1-1
A_24_P940125	9,78881	9,58729	1,149909243	ENST00000618123	57472	NM_001303241	CNOT6
A_23_P20225	7,81141	7,60989	1,149909243	ENST00000251810	50484	NM_015713	RRM2B
A_21_P0010307	9,27895	9,07745	1,149893302	ENST00000426534	284825	NR_126010	LOC284825
A_33_P3279456	13,597	13,3955	1,149893302	N/A	N/A	N/A	N/A
A_21_P0010454	6,145	5,9435	1,149893302	ENST00000444890	100271722	NR_027036	LINC00899
A_21_P0010062	2,4883	2,28686	1,14984548	N/A	N/A	N/A	Inc-CBLN4-1
A_22_P00010141	2,0613	1,85986	1,14984548	N/A	N/A	N/A	Inc-MRPL39-2
A_21_P0007635	3,64323	3,44179	1,14984548	N/A	N/A	N/A	Inc-MAP1LC3B2-7
A_33_P3303176	7,06267	6,86124	1,14983751	ENST00000332314	386746	NM_001164377	MRGPRG
A_21_P0008531	4,9384	4,73697	1,14983751	N/A	N/A	N/A	Inc-MBIP-2
A_21_P0007075	1,884	1,68259	1,14982157	N/A	102724439	XR_424174	LOC102724439
A_24_P13406	1,85353	1,65214	1,14980563	ENST00000324616	283461	NM_001031748	C12orf40
A_22_P00010028	2,05434	1,85296	1,14979766	ENST00000432438	N/A	N/A	N/A
A_21_P0005847	1,94279	1,74144	1,149773751	N/A	N/A	N/A	Inc-CYP7B1-4
A_24_P230938	7,20126	6,99994	1,149749842	ENST00000370635	118812	BC022054	MORN4
A_23_P397417	9,9289	9,72759	1,149741873	ENST00000565457	255919	NM_153261	CNEP1R1
A_23_P433079	10,2494	10,0481	1,149733904	ENST00000357606	85406	NM_032364	DNAJC14
A_33_P3405103	8,29126	8,08998	1,149717965	N/A	84256	NM_020912	FLYWCH1
A_33_P3347658	5,84567	5,64443	1,149686089	ENST00000395991	N/A	N/A	N/A
A_22_P00006051	5,36639	5,16518	1,149662182	ENST00000425153	N/A	N/A	N/A
A_23_P69840	9,64919	9,44799	1,149654213	ENST00000612662	113829	NM_080670	SLC35A4
A_33_P3413325	1,92525	1,72411	1,149606401	ENST00000618048	3778	NM_001271520	KCNMA1
A_32_P153725	11,4632	11,2621	1,149574528	ENST00000620430	23325	NM_015275	KIAA1033

A_33_P3394021	6,02004	5,81896	1,149558591	ENST00000367258	59349	NM_001303109	KLHL12
A_22_P00018257	5,30784	5,10677	1,149550623	N/A	N/A	AK097810	Inc-ZNF726-1
A_22_P00013804	5,52618	5,32512	1,149542655	ENST00000329309	389493	NM_001145712	NUPR1L
A_24_P83544	8,95259	8,75156	1,149518751	ENST00000439303	N/A	N/A	N/A
A_22_P00006737	1,69513	1,49411	1,149510784	ENST00000530249	N/A	N/A	N/A
A_33_P3335840	6,01371	5,81273	1,149478913	ENST00000393006	55339	NM_001006623	WDR33
A_33_P3325708	4,58847	4,38752	1,14945501	ENST00000422649	101927801	XR_425468	LOC101927801
A_22_P00004282	5,57738	5,37652	1,149383306	ENST00000456551	101928079	NR_104131	LINC01057
A_24_P100277	7,43722	7,23638	1,149367372	ENST00000438270	1727	NM_007326	CYB5R3
A_23_P500998	8,16165	7,9609	1,149295673	ENST00000497089	3205	NM_152739	HOXA9
A_22_P00007479	4,06157	3,86084	1,149279741	N/A	N/A	R37239	Inc-GTPBP1-1
A_33_P3286254	12,9427	12,742	1,149255842	ENST00000395548	1176	NM_001284	AP3S1
A_21_P0014141	2,08733	1,88666	1,149231944	N/A	100506475	NR_102749	EGFLAM-AS2
A_22_P00013348	6,48982	6,28916	1,149223978	ENST00000520422	100507420	NR_121620	LOC100507420
A_33_P3420011	3,58998	3,38932	1,149223978	ENST00000570531	N/A	N/A	N/A
A_22_P00011083	1,94214	1,74149	1,149216013	N/A	N/A	N/A	Inc-NUDCD2-2
A_19_P00321388	8,51224	8,31162	1,149192116	ENST00000577773	N/A	N/A	N/A
A_22_P00011172	2,19905	1,99844	1,14918415	N/A	N/A	N/A	Inc-ODF4-2
A_23_P27627	11,4971	11,2965	1,149176185	ENST00000611688	439	NM_004317	ASNA1
A_33_P3291294	13,6473	13,4467	1,149176185	ENST00000220562	2137	NM_001440	EXTL3
A_21_P0006369	4,67212	4,47157	1,149136358	ENST00000437707	100288842	NR_027442	LOC100288842
A_24_P132624	2,80785	2,60731	1,149128393	ENST00000461177	55335	NM_018376	NIPSNAP3B
A_23_P102404	14,3183	14,1178	1,149096533	ENST00000258091	10574	NM_006429	CCT7
A_32_P208178	16,8678	16,6673	1,149096533	ENST00000389400	6189	NM_001006	RPS3A
A_33_P3262685	2,32214	2,12166	1,149080603	ENST00000414583	25812	N/A	POM121L1P
A_22_P00020547	5,17032	4,96989	1,149040779	N/A	N/A	N/A	Inc-ATF7IP2-1
A_23_P12767	1,92922	1,72884	1,149000957	ENST00000260682	1559	NM_000771	CYP2C9
A_21_P0008925	3,20051	3,00021	1,148937245	N/A	N/A	N/A	Inc-CTD-2144E22.5.1-7
A_23_P144453	14,1149	13,9146	1,148937245	ENST00000512914	93621	NM_033296	MRFAP1
A_23_P92320	11,0883	10,888	1,148937245	ENST00000264883	53371	NM_017426	NUP54
A_23_P139648	6,05034	5,85019	1,148817794	ENST00000240652	3375	NM_000415	IAPP
A_33_P3378614	1,6315	1,43137	1,148801868	ENST00000622794	643763	NR_027378	UG0898H09
A_21_P0010796	2,49758	2,2975	1,148762054	ENST00000366308	255654	N/A	LOC255654

A_33_P3216625	1,93975	1,73971	1,148730204	N/A	100128482	XR_112792	LOC100128482
A_33_P3429864	6,61536	6,41536	1,148698355	ENST00000395618	22905	NM_014964	EPN2
A_33_P3340757	7,12426	6,92427	1,148690393	ENST00000451959	N/A	N/A	N/A
A_23_P110288	7,06048	6,8605	1,148682431	ENST00000484843	79807	NM_024751	GSTCD
A_33_P3460043	8,56511	8,36514	1,148674469	N/A	157556	NR_027071	BAALC-AS2
A_32_P225854	8,54287	8,34291	1,148666507	ENST00000356388	200734	NM_181784	SPRED2
A_23_P106633	12,531	12,3311	1,148618736	ENST00000332395	55794	NM_018380	DDX28
A_33_P3238623	4,11457	3,91471	1,14858689	N/A	729723	N/A	DNAJC27-AS1
A_21_P0011620	7,79644	7,59661	1,148563006	ENST00000578883	N/A	N/A	N/A
A_23_P25121	13,3727	13,1729	1,148539123	ENST00000256680	51303	NM_016594	FKBP11
A_33_P3276604	1,94142	1,74172	1,148459515	ENST00000598428	N/A	N/A	N/A
A_33_P3367171	6,55063	6,35099	1,148411753	ENST00000451262	9376	AK123243	SLC22A8
A_23_P314115	8,99218	8,79255	1,148403792	ENST00000376663	648	NM_005180	BMI1
A_22_P00014419	2,1261	1,92649	1,148387872	ENST00000412602	N/A	N/A	N/A
A_33_P3261438	1,60885	1,40927	1,148363993	N/A	N/A	N/A	N/A
A_22_P00005509	1,92096	1,7214	1,148348073	N/A	100874012	NR_049725	NAV2-AS5
A_21_P0014947	4,98176	4,78224	1,148316234	N/A	N/A	AK098761	Inc-F8A2-2
A_33_P3303361	1,92237	1,72289	1,148284397	N/A	N/A	N/A	N/A
A_22_P00022917	4,77836	4,57891	1,148260519	N/A	N/A	N/A	Inc-ALDH3A2-2
A_33_P3424832	3,64776	3,44832	1,14825256	N/A	N/A	N/A	N/A
A_22_P00007056	2,91781	2,71837	1,14825256	ENST00000531319	283177	NR_033852	LOC283177
A_33_P3658861	5,37143	5,17206	1,148196848	N/A	677810	AI792523	SNORA26
A_22_P00017063	1,9317	1,73238	1,148157055	N/A	100874205	NR_046661	ATP11A-AS1
A_24_P597190	5,68127	5,48197	1,148141138	ENST00000502652	102724855	NR_110562	CTD-2151A2.1
A_33_P3260362	1,91026	1,71099	1,148117264	ENST00000540461	N/A	N/A	N/A
A_23_P304279	4,8112	4,61202	1,148045643	ENST00000572438	1145	NM_000080	CHRNE
A_23_P145786	5,75845	5,55931	1,148013812	ENST00000313375	51085	NM_032951	MLXIPL
A_24_P390070	13,1068	12,9077	1,147981983	ENST00000546942	8683	NM_003769	SRSF9
A_23_P103661	12,3225	12,1234	1,147981983	ENST00000361140	55249	NM_139118	YY1AP1
A_33_P3335629	11,7497	11,5507	1,147902414	ENST00000564087	29100	NM_014187	TMEM208
A_24_P943949	3,79783	3,59883	1,147902414	ENST00000330947	23507	NM_015350	LRRC8B
A_33_P3841819	8,65397	8,45503	1,147854675	N/A	440944	NR_027007	THUMPD3-AS1
A_33_P3311181	1,94058	1,74165	1,147846719	ENST00000296921	30012	NM_021025	TLX3



A_22_P00025243	7,31908	7,12021	1,147798982	N/A	N/A	N/A	Inc-SMG6-1
A_21_P0010840	5,08343	4,8846	1,147767159	N/A	N/A	N/A	XLOC_I2_001689
A_24_P101201	14,1793	13,9805	1,147743292	ENST00000471856	2923	NM_005313	PDIA3
A_22_P00010964	14,9197	14,7209	1,147743292	ENST00000506892	N/A	N/A	N/A
A_33_P3223535	4,48579	4,28706	1,147687604	ENST00000399091	N/A	AK026312	N/A
A_23_P58009	10,1127	9,91397	1,147687604	ENST00000264848	79669	NM_024616	C3orf52
A_21_P0009369	1,90339	1,70467	1,147679649	N/A	N/A	N/A	Inc-FAM195B-1
A_33_P3309919	12,5882	12,3895	1,147663739	ENST00000487832	51389	NM_016104	RWDD1
A_23_P364478	8,18965	7,99097	1,147647829	ENST00000298492	23172	NM_032182	FAM175B
A_22_P00011906	3,89454	3,69588	1,14763192	ENST00000515504	N/A	N/A	N/A
A_21_P0005453	3,53244	3,33378	1,14763192	N/A	N/A	N/A	Inc-NOM1-3
A_33_P3267248	1,93828	1,73966	1,147600101	ENST00000368482	126668	NM_182499	TDRD10
A_23_P405873	7,10639	6,90779	1,147584192	ENST00000461679	203228	NM_145005	C9orf72
A_33_P3445805	13,9026	13,704	1,147584192	ENST00000265636	55291	NM_001164160	PPP6R3
A_22_P00024448	1,93679	1,7382	1,147576237	ENST00000427775	N/A	N/A	N/A
A_22_P00015226	1,90633	1,70774	1,147576237	ENST00000418620	N/A	N/A	N/A
A_21_P0007903	2,42076	2,2222	1,147552374	N/A	N/A	N/A	Inc-SLC15A4-2
A_24_P342807	4,97102	4,77249	1,147528512	ENST00000449777	55676	NM_017964	SLC30A6
A_33_P3337318	4,42436	4,22583	1,147528512	ENST00000490912	3181	BX641084	HNRNPA2B1
A_33_P3214109	1,93903	1,74051	1,147520558	ENST00000605100	121952	NR_026965	METTL21EP
A_21_P0001788	1,8964	1,69789	1,147512604	N/A	101927165	XR_245005	LOC101927165
A_21_P0012858	1,57405	1,37554	1,147512604	N/A	N/A	N/A	XLOC_I2_011803
A_23_P30363	11,7577	11,5592	1,14750465	ENST00000379104	8974	NM_004199	P4HA2
A_24_P816384	8,37143	8,17295	1,147488742	ENST00000339094	388165	NR_003661	UBE2Q2P1
A_33_P3336552	1,91166	1,71323	1,147448974	N/A	N/A	HY006159	N/A
A_22_P00010396	4,36146	4,16306	1,147425114	ENST00000511182	N/A	N/A	N/A
A_23_P405148	13,7326	13,5342	1,147425114	ENST00000409616	56947	NM_020194	MFF
A_22_P00006622	5,19438	4,99599	1,147417161	N/A	101928784	XR_429541	RORA-AS1
A_23_P83714	9,61349	9,41517	1,147361489	ENST00000533031	286075	NM_173831	ZNF707
A_22_P00021450	1,90517	1,70685	1,147361489	N/A	N/A	N/A	Inc-WDR26-2
A_23_P24763	17,6135	17,4152	1,147345583	ENST00000525828	6207	NM_001017	RPS13
A_22_P00005557	2,10685	1,90856	1,14733763	N/A	N/A	N/A	Inc-EEF1B2-1
A_21_P0008113	1,98105	1,7828	1,14730582	N/A	N/A	N/A	Inc-DAOA-5

A_33_P3419321	3,61357	3,41535	1,147281963	ENST00000377999	26038	NM_015557	CHD5
A_23_P416395	1,87409	1,67597	1,147202442	ENST00000265087	8614	NM_003714	STC2
A_24_P365721	9,06091	8,86281	1,147186538	ENST00000598581	11254	NM_007231	SLC6A14
A_21_P0002630	1,85372	1,65563	1,147178587	N/A	N/A	N/A	Inc-CDK5R2-1
A_23_P79842	15,619	15,421	1,147107024	ENST00000372689	51604	NM_015937	PIGT
A_24_P242036	9,33891	9,14097	1,147059318	ENST00000458605	91695	NR_002184	RRP7B
A_23_P413803	9,11406	8,91613	1,147051368	ENST00000446329	134359	NM_152408	POC5
A_22_P00023703	1,93257	1,7347	1,147003664	N/A	100130548	XR_110579	LOC100130548
A_23_P202769	10,0219	9,82404	1,146995714	ENST00000543791	3338	NM_005528	DNAJC4
A_22_P00001096	1,93493	1,73708	1,146987763	ENST00000563467	401613	NR_033974	LINC00890
A_21_P0007532	1,93794	1,7401	1,146979813	N/A	N/A	N/A	Inc-PLEKHA5-3
A_22_P00022429	1,9262	1,72837	1,146971863	ENST00000563031	N/A	N/A	N/A
A_33_P3387463	11,3665	11,1687	1,146948012	N/A	51382	NM_015994	ATP6V1D
A_22_P00008099	1,91325	1,71545	1,146948012	N/A	101927031	XR_245874	LOC101927031
A_33_P3392213	9,213	9,0152	1,146948012	N/A	N/A	N/A	N/A
A_24_P343559	3,23536	3,03757	1,146940062	ENST00000323115	4915	NM_006180	NTRK2
A_33_P3271635	1,96351	1,76582	1,146860565	ENST00000402095	3115	NM_002121	HLA-DPB1
A_32_P31963	1,92265	1,72499	1,146836717	ENST00000523617	101928154	NR_108028	LINC01485
A_23_P130815	1,91221	1,71457	1,146820819	ENST00000614231	100132285	NM_012312	KIR2DS2
A_21_P0007306	1,85677	1,65915	1,146804921	N/A	N/A	N/A	Inc-GLB1L2-1
A_24_P257108	8,19847	8,00086	1,146796972	ENST00000441987	10010	NM_133484	TANK
A_23_P43504	8,56953	8,37197	1,146757227	ENST00000464520	20	NM_001606	ABCA2
A_24_P66312	3,84749	3,64995	1,14674133	ENST00000391617	353332	NM_181686	KRTAP12-1
A_22_P00024294	4,53048	4,33295	1,146733382	N/A	N/A	N/A	Inc-TGS1-1
A_21_P0000401	1,90828	1,71077	1,146717485	N/A	767580	NR_003196	SNORD114-4
A_33_P3413463	12,0315	11,834	1,146709536	ENST00000547374	2972	NM_001519	BRF1
A_24_P181677	8,26978	8,07232	1,146677743	ENST00000474967	80148	NM_025078	PQLC1
A_22_P00017038	6,94371	6,74625	1,146677743	ENST00000417565	101927560	NR_119374	LOC101927560
A_21_P0002308	2,73701	2,53959	1,146645951	N/A	N/A	N/A	Inc-GCA-3
A_32_P113154	15,2523	15,0549	1,146630055	N/A	N/A	N/A	N/A
A_33_P3227676	1,92706	1,72966	1,146630055	ENST00000463834	257407	NM_001144994	C2orf72
A_23_P128166	12,1731	11,9757	1,146630055	ENST00000261263	23011	NM_014999	RAB21
A_23_P16866	1,69353	1,49615	1,146614159	ENST00000248444	7429	NM_007127	VIL1

A_22_P00015393	3,36617	3,1688	1,146606212	N/A	N/A	N/A	Inc-SRGAP3-1
A_22_P00001305	1,92411	1,72679	1,146566474	ENST00000530837	N/A	CR736386	N/A
A_23_P157809	12,4436	12,2463	1,146550579	ENST00000538962	22949	NM_012212	PTGR1
A_21_P0007132	1,91586	1,71859	1,146526738	N/A	103581031	N/A	CASC23
A_21_P0011839	3,08921	2,89197	1,146502897	N/A	N/A	N/A	XLOC_I2_007478
A_21_P0003324	1,93879	1,74162	1,146447269	ENST00000563724	101927087	NR_110838	LOC101927087
A_24_P215804	5,19017	4,99308	1,146383699	ENST00000264001	51192	NM_016951	CKLF
A_33_P3291821	1,93297	1,73589	1,146375753	ENST00000566201	124149	NR_026556	ANKRD26P1
A_23_P209538	8,35931	8,16233	1,146296295	ENST00000420155	55683	NM_001115016	KANSL3
A_23_P116091	11,4724	11,2755	1,146232732	ENST00000541961	10072	NM_130443	DPP3
A_33_P3318327	4,29423	4,09733	1,146232732	N/A	158263	AK056275	FLJ31713
A_23_P167559	11,5907	11,3938	1,146232732	ENST00000611185	153830	NM_144726	RNF145
A_21_P0010077	4,34173	4,14487	1,146200952	N/A	N/A	N/A	Inc-CDC25B-1
A_24_P302584	1,88086	1,68403	1,146177118	ENST00000322002	6664	NM_003108	SOX11
A_21_P0012413	1,91015	1,71334	1,146161229	N/A	N/A	N/A	XLOC_I2_010011
A_23_P155103	11,3914	11,1946	1,146153284	ENST00000624474	158	NM_000026	ADSL
A_21_P0012751	5,45856	5,26182	1,146105618	ENST00000514475	441046	N/A	GUSBP5
A_19_P00320828	5,27831	5,08159	1,14608973	ENST00000354451	N/A	N/A	N/A
A_33_P3300212	10,8564	10,6597	1,146073842	ENST00000397135	10904	NM_001167820	BLCAP
A_21_P0000056	9,20204	9,00534	1,146073842	ENST00000611268	440026	NM_001165030	TMEM41B
A_24_P126417	10,0573	9,86068	1,146010292	ENST00000398571	9736	NM_014709	USP34
A_19_P00319372	7,50762	7,31103	1,145986461	ENST00000431767	440993	NR_122105	LINC00969
A_33_P3317948	5,53391	5,33738	1,145938802	N/A	57212	NR_033711	TP73-AS1
A_33_P3449815	1,89939	1,70288	1,145922916	N/A	145195	BC007749	C14orf144
A_22_P00000290	6,54641	6,34991	1,145914973	N/A	401022	NR_110458	HAGLR
A_23_P58102	12,4587	12,2623	1,145835547	ENST00000482004	23016	NM_015004	EXOSC7
A_33_P3420992	10,3599	10,1635	1,145835547	ENST00000455793	N/A	N/A	N/A
A_24_P72394	5,70602	5,50972	1,145756126	ENST00000353796	57786	NM_021163	RBAK
A_23_P156739	13,376	13,1797	1,145756126	ENST00000374231	84300	NM_032340	UQCC2
A_23_P427502	7,71742	7,52117	1,145716418	ENST00000544604	84133	NM_001206998	ZNRF3
A_21_P0012476	4,8891	4,69286	1,145708477	ENST00000439074	N/A	N/A	N/A
A_22_P00023355	1,9378	1,74159	1,145684653	N/A	N/A	GR941711	Inc-CXADR-1
A_23_P167789	9,80748	9,61132	1,145644947	ENST00000239906	51307	NM_016605	FAM53C

A_24_P219378	9,28719	9,09106	1,145621124	ENST00000343516	57524	NM_020764	CASKIN1
A_33_P3390335	10,0584	9,86229	1,145605243	ENST00000377921	6251	NM_012425	RSU1
A_24_P782308	9,0435	8,8474	1,145597302	ENST00000382850	23327	NM_001144967	NEDD4L
A_23_P30020	10,8075	10,6114	1,145597302	ENST00000507961	81579	NM_030821	PLA2G12A
A_33_P3489675	7,35356	7,15752	1,145549659	ENST00000412433	23779	NM_001198726	ARHGAP8
A_23_P101048	1,89479	1,69879	1,145517898	ENST00000391587	83897	NM_031959	KRTAP3-2
A_19_P00325336	6,87873	6,68285	1,14542262	N/A	N/A	AK125301	N/A
A_21_P0004300	4,76016	4,56431	1,145398802	N/A	N/A	N/A	Inc-CATSPER3-3
A_24_P362193	1,87139	1,67565	1,145311473	ENST00000368047	8832	NM_003874	CD84
A_22_P00001721	1,60637	1,41066	1,145287657	ENST00000418091	N/A	N/A	N/A
A_21_P0011303	12,583	12,3873	1,145279719	N/A	646278	NR_037599	PDCD6IPP2
A_23_P137504	5,25845	5,06284	1,145208275	ENST00000432989	84614	NM_032522	ZBTB37
A_21_P0014730	7,72067	7,52508	1,145192399	N/A	N/A	XM_006710189	Inc-C7orf23-1
A_32_P31618	10,2324	10,0369	1,145120961	ENST00000221130	2936	NM_000637	GSR
A_23_P102331	1,93667	1,7412	1,145097149	ENST00000619410	6332	NM_002976	SCN7A
A_22_P00009182	1,93313	1,73767	1,145089211	N/A	153163	NR_051996	MGC32805
A_22_P00013371	2,05269	1,85726	1,1450654	N/A	N/A	N/A	Inc-RP11-178D12.1.1-1
A_33_P3342295	14,6376	14,4422	1,14504159	ENST00000376707	30813	NM_199425	VSX1
A_23_P49082	10,1973	10,0019	1,14504159	ENST00000569898	10101	NM_012225	NUBP2
A_22_P00025748	5,32851	5,13317	1,14499397	N/A	N/A	N/A	Inc-HSPA4-4
A_21_P0005437	2,00875	1,81345	1,144962224	N/A	N/A	N/A	Inc-TBXAS1-1
A_24_P262127	5,85292	5,65769	1,144906671	ENST00000567791	6236	NM_004165	RRAD
A_24_P313262	11,0151	10,8199	1,144882864	ENST00000249822	10776	NM_006628	ARPP19
A_24_P268196	7,90092	7,70575	1,144859057	ENST00000377223	84328	XM_005263508	LZIC
A_22_P00018661	1,92421	1,72913	1,144787639	N/A	N/A	N/A	Inc-UHRF2-2
A_21_P0001483	3,91712	3,72209	1,144747965	N/A	N/A	N/A	Inc-PAFAH2-1
A_33_P3270102	9,47855	9,28357	1,144708291	ENST00000586749	55658	NM_194460	RNF126
A_22_P00014071	5,53972	5,34475	1,144700357	ENST00000513579	84687	NM_032595	PPP1R9B
A_23_P316447	2,0636	1,86869	1,144652751	ENST00000496296	2260	AK223126	FGFR1
A_32_P155666	2,69309	2,49819	1,144644817	ENST00000409941	9427	NM_004826	ECEL1
A_23_P34115	11,6539	11,459	1,144644817	ENST00000619865	3421	NM_004135	IDH3G
A_33_P3245218	2,57885	2,38405	1,144565479	ENST00000518659	57451	NM_001122679	TENM2
A_22_P00009815	16,5164	16,3216	1,144565479	N/A	N/A	N/A	Inc-MEPCE-1

A_21_P0008426	1,93445	1,73969	1,144533745	N/A	N/A	N/A	Inc-FSCB-1
A_23_P37231	1,93101	1,73629	1,144502013	ENST00000357366	390439	NM_001005503	OR11G2
A_33_P3329274	1,91382	1,71917	1,144446482	ENST00000613593	56137	NM_031864	PCDHA12
A_22_P00018743	6,63101	6,43637	1,14443855	ENST00000589662	N/A	N/A	N/A
A_23_P85164	10,9274	10,7328	1,14440682	ENST00000309585	1774	XM_005277829	DNASE1L1
A_24_P58673	1,93581	1,74122	1,144398887	ENST00000256585	83998	NM_032044	REG4
A_22_P00024970	1,89341	1,69883	1,144390955	ENST00000569938	N/A	N/A	N/A
A_23_P404575	1,91951	1,72496	1,144367158	ENST00000281722	166863	NM_144979	RBM46
A_32_P222460	2,66512	2,47058	1,144359226	ENST00000562591	100130700	NR_034018	LOC100130700
A_33_P3316884	3,02343	2,8289	1,144351294	N/A	N/A	N/A	N/A
A_22_P00000173	6,52589	6,33138	1,14433543	ENST00000418242	100505940	XR_110477	LOC100505940
A_33_P3272160	12,9944	12,7999	1,144327498	ENST00000371935	57109	NM_020385	REXO4
A_23_P120414	15,1884	14,9939	1,144327498	ENST00000372839	7529	NM_003404	YWHAB
A_23_P69958	13,1763	12,9818	1,144327498	ENST00000395548	1176	NM_001284	AP3S1
A_23_P433855	1,93603	1,74154	1,144319566	ENST00000527393	5999	NM_005613	RGS4
A_33_P3278191	1,93438	1,7399	1,144311635	ENST00000426911	N/A	N/A	N/A
A_33_P3429576	10,4816	10,2872	1,144248182	ENST00000395548	1176	NM_001284	AP3S1
A_33_P3420254	9,53126	9,33686	1,144248182	ENST00000461576	54919	NM_017802	DNAAF5
A_23_P5983	15,1909	14,9965	1,144248182	ENST00000477313	5360	NM_006227	PLTP
A_23_P112187	4,12134	3,92695	1,144240251	ENST00000372338	84929	NM_032843	FIBCD1
A_22_P00025721	1,93571	1,74134	1,144224388	ENST00000473429	85369	AK125054	STRIP1
A_24_P334718	1,91975	1,72542	1,144192664	ENST00000334425	353345	NM_181791	GPR141
A_22_P00005924	10,3787	10,1844	1,144168872	N/A	100874323	NR_046609	HOXA10-AS
A_22_P00017475	4,6484	4,45413	1,14414508	ENST00000587859	102725381	XR_424967	LOC102725381
A_22_P00010834	1,93264	1,73839	1,144129219	N/A	100128054	NR_033969	PLCE1-AS1
A_32_P219942	8,19231	7,99823	1,143994408	ENST00000267294	85416	NM_033132	ZIC5
A_21_P0009676	4,20157	4,00756	1,143938902	ENST00000591622	1153	N/A	CIRBP
A_33_P3274528	6,92763	6,73367	1,143899257	ENST00000617985	389766	N/A	C9orf153
A_22_P00015217	1,92825	1,73429	1,143899257	ENST00000577573	146795	XR_243752	LOC146795
A_33_P3235213	1,93474	1,74082	1,143867542	ENST00000485814	201633	NM_173799	TIGIT
A_33_P3228510	6,90103	6,70713	1,143851685	ENST00000373945	2036	NM_001258330	EPB41L1
A_24_P927474	11,4042	11,2103	1,143851685	ENST00000552179	N/A	N/A	N/A
A_33_P3220242	9,03487	8,84103	1,143804114	ENST00000333916	79886	NM_001167575	CAAP1

A_22_P00022767	1,92883	1,73502	1,14378033	N/A	103752555	NR_125784	SPATA17-AS1
A_23_P429020	9,00777	8,81414	1,143637633	ENST00000392153	284459	NM_181786	HKR1
A_33_P3238895	5,86806	5,67444	1,143629706	N/A	N/A	AF274942	N/A
A_21_P0003752	1,9234	1,72986	1,143566292	N/A	N/A	N/A	Inc-TSPAN5-1
A_23_P108082	3,97637	3,78285	1,143550438	ENST00000078445	84699	NM_032607	CREB3L3
A_23_P144071	13,3947	13,2012	1,143534586	ENST00000466591	1294	NM_000094	COL7A1
A_22_P00002896	1,96761	1,77414	1,143510807	ENST00000510062	100506013	NM_001297550	APELA
A_21_P0008496	5,10445	4,91098	1,143510807	N/A	N/A	N/A	Inc-RP11-736N17.6.1-1
A_21_P0008081	1,91495	1,7215	1,143494954	N/A	N/A	N/A	Inc-BORA-1
A_24_P904903	9,76664	9,57321	1,143479102	ENST00000415027	7919	NM_004640	DDX39B
A_19_P00800283	3,08794	2,89452	1,143471176	N/A	N/A	N/A	Inc-SAA2-2
A_21_P0009388	1,92247	1,72905	1,143471176	N/A	N/A	N/A	Inc-TMEM98-1
A_33_P3297611	7,24078	7,04747	1,143383994	N/A	N/A	AI924184	N/A
A_33_P3427239	6,43058	6,2373	1,143360219	N/A	100134937	BC035129	LOC100134937
A_19_P00316675	2,06942	1,87618	1,143328518	ENST00000452514	55384	NR_033359	MEG3
A_33_P3407364	4,1389	3,94574	1,143265121	ENST00000473265	55998	NM_032946	NXF5
A_22_P00001838	1,93095	1,7378	1,143257196	ENST00000560886	N/A	N/A	N/A
A_21_P0010295	4,07656	3,88344	1,143233423	N/A	N/A	N/A	Inc-CSTB-1
A_23_P75288	12,8762	12,6831	1,143217574	ENST00000328142	84896	NM_032810	ATAD1
A_23_P4551	10,345	10,1519	1,143217574	ENST00000282030	26040	NM_015559	SETBP1
A_23_P128470	1,92913	1,73606	1,143193802	ENST00000396507	160364	NM_138337	CLEC12A
A_22_P00012752	7,44041	7,24737	1,14317003	N/A	N/A	XM_379325	Inc-RAD1-2
A_33_P3355464	5,42002	5,22703	1,143130412	ENST00000434508	N/A	AK126828	N/A
A_22_P00002142	2,8868	2,69383	1,143114565	ENST00000614228	402635	NM_001291784	GRIFIN
A_22_P00003181	5,60772	5,41476	1,143106641	N/A	N/A	N/A	Inc-C9orf85-1
A_23_P58002	8,11707	7,92417	1,143059102	ENST00000273590	6988	NM_022171	TCTA
A_22_P00002017	16,7811	16,5882	1,143059102	N/A	N/A	N/A	Inc-BEGAIN-1
A_21_P0002928	1,8355	1,64263	1,143035333	ENST00000449023	N/A	XR_251320	N/A
A_23_P303260	8,38138	8,18855	1,143003642	ENST00000367941	8417	NM_003569	STX7
A_23_P202104	14,3951	14,2023	1,142979874	ENST00000394579	10105	NM_005729	PPIF
A_22_P00012359	1,92638	1,73359	1,142971951	ENST00000423489	N/A	N/A	N/A
A_21_P0013053	1,93376	1,74098	1,142964029	N/A	N/A	N/A	XLOC_I2_012844
A_33_P3474328	8,99711	8,80433	1,142964029	ENST00000376772	6992	NM_021959	PPP1R11

A_21_P0006277	5,12514	4,93237	1,142956106	N/A	N/A	N/A	Inc-ALDH1A1-3
A_23_P254944	1,92482	1,73205	1,142956106	ENST00000621513	2952	NM_000853	GSTT1
A_22_P00017871	1,93209	1,73936	1,142924417	N/A	N/A	N/A	Inc-ZDHHC6-2
A_24_P77947	5,97571	5,78299	1,142916495	ENST00000476413	55610	NM_024553	CCDC132
A_23_P109410	8,45196	8,25926	1,142900651	ENST00000399133	80764	NM_030573	THAP7
A_23_P124905	1,93363	1,74093	1,142900651	ENST00000306773	4884	NM_002522	NPTX1
A_23_P12477	8,09396	7,90127	1,142892729	ENST00000372596	22955	NM_012236	SCMH1
A_23_P133365	9,99635	9,80371	1,14285312	ENST00000549332	10915	NM_006706	TCERG1
A_21_P0003904	1,90317	1,71054	1,142845199	N/A	N/A	N/A	Inc-CTSO-1
A_21_P0007783	2,69936	2,50673	1,142845199	N/A	N/A	N/A	Inc-DHX37-9
A_22_P00002369	2,19886	2,00625	1,142829356	ENST00000541885	N/A	N/A	N/A
A_21_P0000538	4,51288	4,32035	1,142765985	N/A	388685	N/A	LINC01138
A_33_P3241250	6,54198	6,34952	1,142710539	ENST00000624628	N/A	AK128836	N/A
A_21_P0002583	1,92285	1,73043	1,142678857	N/A	N/A	N/A	Inc-LBH-2
A_33_P3325935	12,6195	12,4271	1,142663016	ENST00000376566	10084	NM_001167989	PQBP1
A_23_P20255	11,2514	11,059	1,142663016	ENST00000450361	28991	NM_014066	COMMD5
A_23_P83234	6,91844	6,72604	1,142663016	ENST00000373659	10773	NM_006626	ZBTB6
A_21_P0002916	1,92892	1,73656	1,142631335	ENST00000423643	N/A	N/A	N/A
A_33_P8979259	1,95136	1,75901	1,142623415	N/A	101929419	XR_252397	LOC101929419
A_23_P3212	9,98177	9,78947	1,142583816	ENST00000558653	56986	NM_020234	DTWD1
A_22_P00002612	4,877	4,68474	1,142552137	N/A	N/A	AK129630	Inc-C1QTNF9-3
A_21_P0006812	1,9266	1,73443	1,142480863	ENST00000438753	N/A	N/A	N/A
A_33_P3356106	3,25312	3,06095	1,142480863	N/A	N/A	N/A	N/A
A_33_P3379039	1,9124	1,72029	1,14243335	ENST00000390321	100423062	NM_001178126	IGLL5
A_33_P3410235	9,08878	8,89668	1,142425431	ENST00000558996	90527	NM_001276267	DUOXA1
A_21_P0000941	5,62698	5,43488	1,142425431	ENST00000453732	N/A	XR_241053	N/A
A_33_P3335920	7,77705	7,58496	1,142417512	ENST00000367255	23345	NM_182961	SYNE1
A_33_P3318791	1,90736	1,71527	1,142417512	ENST00000541282	196475	NR_024037	RMST
A_33_P3246580	1,93245	1,74042	1,142370002	ENST00000251691	57221	NM_020340	KIAA1244
A_33_P3273624	7,75355	7,56153	1,142362083	ENST00000359051	8372	NM_003549	HYAL3
A_22_P00011842	3,16079	2,96877	1,142362083	N/A	N/A	AK054904	Inc-PHKB-5
A_33_P3403723	2,96895	2,77696	1,142338329	ENST00000624510	100130301	XM_005251126	C8orf89
A_22_P00018462	5,61541	5,42342	1,142338329	ENST00000340535	375056	NM_001300867	MIA3

A_33_P3464900	4,01006	3,81814	1,142282903	N/A	85003	XR_241567	BFSP2-AS1
A_22_P00022162	1,93034	1,73842	1,142282903	N/A	N/A	N/A	Inc-SLC15A3-2
A_24_P364087	10,8513	10,6594	1,142267068	ENST00000265965	26297	NM_012139	SERGEF
A_22_P00006888	7,14139	6,94952	1,142243316	ENST00000563750	N/A	AK098439	N/A
A_33_P3380762	1,92369	1,73183	1,142235398	ENST00000425914	729467	NR_027120	HSD52
A_22_P00001569	4,63018	4,43837	1,142195812	N/A	N/A	AK026523	Inc-ARL16-1
A_33_P3405168	6,75681	6,565	1,142195812	ENST00000281317	166785	NM_172250	MMAA
A_23_P117599	12,3495	12,1577	1,142187895	ENST00000556866	10598	NM_012111	AHSA1
A_33_P3418326	2,90791	2,71611	1,142187895	ENST00000610122	100129484	XR_112958	LOC100129484
A_21_P0006140	1,93142	1,73963	1,142179978	N/A	92973	N/A	LINC00950
A_21_P0008981	2,71902	2,52723	1,142179978	N/A	N/A	N/A	Inc-USP10-1
A_22_P00006389	6,05575	5,86402	1,142132477	N/A	100130238	NR_024563	LOC100130238
A_21_P0011990	5,18592	4,9942	1,14212456	ENST00000445174	646324	N/A	LINC00607
A_22_P00000907	7,86985	7,67814	1,142116644	N/A	N/A	N/A	Inc-AIPL1-2
A_23_P17855	11,7439	11,5522	1,142108727	ENST00000344404	11078	NM_001039141	TRIOBP
A_22_P00005057	1,91119	1,71954	1,142069146	N/A	100505588	XR_108995	LOC100505588
A_21_P0012518	1,91472	1,72308	1,142061229	ENST00000476815	100996490	N/A	LINC01206
A_33_P3416583	5,93325	5,74168	1,142005818	ENST00000429686	116985	NM_001135190	ARAP1
A_33_P3226228	4,74041	4,5489	1,141958324	N/A	N/A	N/A	N/A
A_21_P0009070	1,9156	1,72409	1,141958324	N/A	N/A	N/A	Inc-CDYL2-2
A_23_P81993	12,511	12,3195	1,141950408	ENST00000481533	221491	NM_178508	C6orf1
A_21_P0012785	3,2484	3,05694	1,141918747	N/A	N/A	N/A	Inc-COL25A1-1
A_23_P388331	3,19729	3,00583	1,141918747	N/A	574	NM_001187	BAGE
A_33_P3344648	5,75652	5,56511	1,141879172	N/A	440461	NR_027283	LOC440461
A_23_P4522	13,9693	13,7779	1,141871257	ENST00000587807	9352	NM_004786	TXNL1
A_23_P54900	11,7753	11,5839	1,141871257	ENST00000396658	29855	NM_001079514	UBN1
A_21_P0012167	4,21772	4,02634	1,141855428	N/A	N/A	N/A	XLOC_I2_008976
A_33_P3416150	9,49313	9,30181	1,14180794	ENST00000444527	100133234	NR_027765	SBF1P1
A_33_P3410925	6,43413	6,24281	1,14180794	ENST00000264834	10661	NM_006563	KLF1
A_33_P3420747	9,50665	9,31537	1,141776283	ENST00000161863	64848	NM_022828	YTHDC2
A_23_P129659	8,86402	8,67274	1,141776283	ENST00000611647	115509	NM_138447	ZNF689
A_33_P3213522	1,93204	1,74078	1,141760455	ENST00000438131	284116	AK095281	KRT42P
A_22_P00006551	1,9313	1,74005	1,141752541	N/A	285847	NR_027117	LOC285847



A_24_P335901	9,30794	9,1167	1,141744627	ENST00000592292	10781	NM_006631	ZNF266
A_23_P132248	7,99353	7,8023	1,141736713	ENST00000344318	55954	NM_019103	ZMAT5
A_21_P0006893	1,62043	1,4292	1,141736713	N/A	N/A	N/A	Inc-KIF20B-5
A_21_P0003538	1,9261	1,73488	1,141728799	ENST00000503325	N/A	N/A	N/A
A_23_P410859	10,3406	10,1494	1,141712971	ENST00000252744	57688	NM_020928	ZSWIM6
A_33_P3243917	4,02714	3,83595	1,141705057	ENST00000473737	29989	NM_014581	OBP2B
A_33_P3270084	7,25034	7,05915	1,141705057	N/A	N/A	N/A	N/A
A_32_P118372	7,6345	7,44332	1,141697144	ENST00000510766	27152	NM_015693	INTU
A_23_P92467	1,92848	1,7373	1,141697144	ENST00000394427	84109	NM_198179	QRFPR
A_21_P0008088	1,93006	1,73896	1,141633836	N/A	N/A	N/A	Inc-NDFIP2-3
A_23_P101742	12,0944	11,9033	1,141633836	ENST00000330133	116541	NM_172251	MRPL54
A_22_P00025708	7,77043	7,57935	1,14161801	ENST00000561544	N/A	N/A	N/A
A_23_P134729	2,92059	2,72954	1,141594271	N/A	55472	NR_027259	RBM12B-AS1
A_24_P173124	6,25468	6,06365	1,141578445	ENST00000285071	201163	NM_144997	FLCN
A_21_P0010451	5,82787	5,63687	1,141554707	N/A	N/A	N/A	Inc-C22orf26-4
A_19_P00321911	5,52729	5,3363	1,141546794	N/A	3653	NR_023915	IPW
A_22_P00000298	1,93155	1,74058	1,141530969	N/A	N/A	DA251445	Inc-AC009365.3.1-4
A_21_P0014785	5,58233	5,39136	1,141530969	N/A	100507347	NR_108061	VIM-AS1
A_33_P3386955	14,3353	14,1444	1,141475583	ENST00000345084	64969	NM_031902	MRPS5
A_22_P00003553	1,88938	1,69854	1,141428112	ENST00000511749	N/A	N/A	N/A
A_33_P3263651	3,83454	3,64371	1,1414202	ENST00000586582	10501	NM_032108	SEMA6B
A_33_P3264505	9,20339	9,01256	1,1414202	ENST00000341162	51077	NM_015962	FCF1
A_33_P3318475	3,81681	3,62602	1,141388553	N/A	N/A	N/A	N/A
A_33_P3265739	1,91712	1,72633	1,141388553	ENST00000306666	5733	NM_198719	PTGER3
A_23_P59547	12,1635	11,9728	1,141317352	ENST00000242210	51251	NM_001002009	NT5C3A
A_33_P3213551	12,8181	12,6274	1,141317352	ENST00000398712	81858	NM_030974	SHARPIN
A_33_P3302389	4,452	4,2613	1,141317352	ENST00000581547	55527	NM_018708	FEM1A
A_23_P35414	8,58189	8,39119	1,141317352	ENST00000238994	5507	NM_005398	PPP1R3C
A_22_P00016502	1,9009	1,71023	1,141293619	N/A	N/A	BG221627	Inc-TMPRSS15-10
A_22_P00002993	1,93116	1,74062	1,141190783	ENST00000427049	100507506	NR_103764	LOC100507506
A_22_P00011040	1,85168	1,66117	1,141167053	ENST00000441665	N/A	N/A	N/A
A_32_P95823	9,5556	9,36519	1,141087956	ENST00000272638	23190	NM_014607	UBXN4
A_22_P00003296	1,93064	1,74029	1,1410405	N/A	100873948	NR_046678	NREP-AS1

A_33_P3386506	15,1164	14,9261	1,141000956	ENST00000460131	4795	NM_001144961	NFKBIL1
A_23_P170733	11,7026	11,5124	1,14092187	ENST00000449651	118429	NM_058172	ANTXR2
A_21_P0013996	1,92797	1,73783	1,140874422	ENST00000593000	246126	BC035312	TXLNKY
A_33_P3319113	6,02598	5,83586	1,140858606	ENST00000561920	55066	NM_017990	PDPR
A_23_P215048	1,91136	1,72125	1,140850698	ENST00000368281	9729	NM_014702	KIAA0408
A_23_P204929	11,1562	10,9661	1,14084279	ENST00000025301	11215	NM_016248	AKAP11
A_22_P00010607	1,91362	1,72355	1,140819067	N/A	102724555	XR_426240	LOC102724555
A_33_P3230103	3,27524	3,08521	1,140787438	ENST00000257575	84900	NM_032814	RNFT2
A_33_P3257943	16,6673	16,4773	1,140763716	ENST00000411983	6154	NM_000987	RPL26
A_33_P3443165	14,4208	14,2308	1,140763716	ENST00000462438	8480	NM_001015885	RAE1
A_33_P3402725	7,77347	7,58348	1,140755809	ENST00000392403	55870	NM_018489	ASH1L
A_24_P108262	1,9191	1,72923	1,140660927	ENST00000410094	54549	NM_001144952	SDK2
A_33_P3281028	3,18267	2,99281	1,140653021	ENST00000490428	140733	NM_080676	MACROD2
A_24_P357465	7,12179	6,93197	1,140621396	ENST00000374810	58476	NM_021202	TP53INP2
A_23_P30338	11,8183	11,6285	1,140605583	ENST00000504115	902	NM_001239	CCNH
A_33_P3218491	3,6991	3,50936	1,140558148	N/A	N/A	N/A	N/A
A_22_P00011151	5,01416	4,8245	1,140494904	N/A	N/A	N/A	Inc-OBFC2A-1
A_24_P303097	6,75543	6,56579	1,140479093	ENST00000618785	83891	NM_031953	SNX25
A_21_P0005467	3,38184	3,19221	1,140471188	N/A	N/A	N/A	Inc-RADIL-2
A_33_P3401428	6,3605	6,17089	1,140455378	ENST00000451560	55151	NM_018112	TMEM38B
A_24_P328231	7,52648	7,3369	1,140431663	ENST00000532952	54973	NM_017871	CPSF3L
A_22_P00025576	1,92996	1,74038	1,140431663	N/A	N/A	N/A	Inc-DHRS12-2
A_33_P3483634	1,92554	1,73602	1,140384235	N/A	285593	NR_027108	LOC285593
A_21_P0010865	2,22526	2,03575	1,14037633	ENST00000457848	N/A	N/A	N/A
A_23_P415541	1,92158	1,73211	1,140344713	ENST00000284674	2849	NM_153442	GPR26
A_23_P324482	1,91984	1,73038	1,140336809	ENST00000375159	65267	NM_020922	WNK3
A_22_P00008002	4,29026	4,10084	1,140305192	ENST00000569618	N/A	BC043439	N/A
A_24_P253215	12,7752	12,5858	1,140289384	ENST00000611981	10436	NM_006331	EMG1
A_32_P536872	1,92974	1,74035	1,14028148	ENST00000367614	163589	NM_173533	TDRD5
A_33_P3329187	9,89106	9,70169	1,140265673	ENST00000540357	1786	NM_001130823	DNMT1
A_33_P3321871	1,88909	1,69973	1,140257769	ENST00000331301	399923	N/A	FLJ42102
A_33_P3364240	5,51943	5,33009	1,140241962	ENST00000371768	5047	NM_002571	PAEP
A_23_P28834	9,48653	9,2972	1,140234058	ENST00000541461	116154	NM_080672	PHACTR3

A_22_P00001641	4,12397	3,93468	1,140202445	N/A	283592	NR_027004	FAM181A-AS1
A_22_P00008959	5,26714	5,07789	1,140170832	ENST00000554458	N/A	N/A	N/A
A_22_P00024233	1,90465	1,71542	1,140155026	ENST00000452624	N/A	N/A	N/A
A_21_P0011238	1,92943	1,74026	1,140107609	N/A	N/A	N/A	XLOC_I2_004157
A_23_P426636	11,0741	10,885	1,140052292	ENST00000378024	79026	NM_001620	AHNAK
A_21_P0003833	1,902	1,7129	1,140052292	N/A	N/A	N/A	Inc-POLR2B-1
A_33_P3266444	9,36196	9,17288	1,140036488	ENST00000253686	64432	NM_022497	MRPS25
A_32_P155506	7,18574	6,99668	1,140020684	ENST00000425792	7325	NM_152653	UBE2E2
A_22_P00018996	1,85934	1,67034	1,139973273	ENST00000512838	N/A	DA175295	N/A
A_21_P0007712	5,83939	5,65039	1,139973273	N/A	N/A	N/A	Inc-STAT6-1
A_24_P146670	11,828	11,639	1,139973273	ENST00000369755	9748	NM_014720	SLK
A_23_P32722	6,39503	6,20607	1,139941666	ENST00000311764	79797	NM_024741	ZNF408
A_22_P00022902	4,60233	4,41339	1,139925864	N/A	N/A	N/A	Inc-TSSK6-1
A_21_P0010086	2,39852	2,20958	1,139925864	N/A	N/A	N/A	Inc-SSTR4-4
A_33_P3326020	5,50571	5,31677	1,139925864	ENST00000593649	256949	BC066775	KANK3
A_33_P3386508	6,06365	5,87471	1,139925864	N/A	100132273	NR_034118	NDUFA6-AS1
A_22_P00005079	1,98807	1,79921	1,139862654	N/A	N/A	N/A	Inc-DEXI-2
A_22_P00020803	5,01799	4,82916	1,139838952	N/A	N/A	N/A	Inc-CTTNBP2-1
A_24_P291133	6,77302	6,58421	1,13982315	ENST00000282169	127933	NM_175866	UHMK1
A_23_P30024	12,596	12,4072	1,13981525	ENST00000394820	4790	NM_003998	NFKB1
A_22_P00000980	4,61057	4,42177	1,13981525	N/A	N/A	N/A	Inc-AL136219.1-1
A_21_P0000806	1,92732	1,73854	1,139799449	N/A	100128590	NR_038441	SLC8A1-AS1
A_33_P3369991	1,94153	1,75276	1,139791548	N/A	N/A	N/A	N/A
A_23_P116249	1,92179	1,7331	1,139728347	ENST00000527524	2900	NM_014619	GRIK4
A_21_P0014467	5,55248	5,36382	1,139704647	N/A	N/A	N/A	N/A
A_22_P00025225	6,99929	6,81066	1,139680948	N/A	N/A	N/A	Inc-BRAT1-1
A_23_P39171	1,88666	1,69804	1,139673048	ENST00000357330	85569	NM_033106	GALP
A_33_P3379141	2,78987	2,60125	1,139673048	ENST00000406683	387319	N/A	HIST1H2APS1
A_19_P00319225	1,92042	1,73181	1,139665148	ENST00000520773	134466	NR_026867	ZNF300P1
A_22_P00018119	3,12217	2,93357	1,139657249	N/A	401431	NR_027040	ATP6V0E2-AS1
A_21_P0000225	10,2228	10,0342	1,139657249	ENST00000467105	116938	NR_000028	SNORD83B
A_33_P3405848	4,5851	4,39651	1,139649349	ENST00000497517	7173	NM_175719	TPO
A_33_P3332292	1,92836	1,73982	1,139609853	ENST00000556526	493901	NM_001024822	RNASE12

A_33_P3357516	1,92806	1,73953	1,139601954	ENST00000394059	84068	NM_032128	SLC10A7
A_23_P79221	10,1515	9,963	1,139578257	ENST00000409283	90	NM_001105	ACVR1
A_33_P3214042	4,77146	4,5831	1,139467677	N/A	N/A	N/A	N/A
A_21_P0002641	2,11245	1,92411	1,13945188	ENST00000445279	101060385	NR_110179	LOC101060385
A_23_P122545	13,6086	13,4203	1,139420288	ENST00000459932	7936	NM_002904	NELFE
A_22_P00013948	7,82955	7,64126	1,139412391	N/A	N/A	CK903824	Inc-RSPH1-1
A_23_P230	9,28055	9,09227	1,139404493	ENST00000606515	7268	NM_004623	TTC4
A_24_P88921	7,54046	7,35219	1,139396595	ENST00000476581	7508	NM_004628	XPC
A_24_P404033	9,19704	9,00877	1,139396595	ENST00000357484	348110	NM_182616	ARPIN
A_22_P00009646	1,92782	1,73956	1,139388697	N/A	N/A	N/A	Inc-MAST4-1
A_33_P3318960	12,8059	12,6177	1,139341313	ENST00000484894	5435	NM_001301131	POLR2F
A_33_P3300591	1,89188	1,70369	1,139333415	N/A	N/A	N/A	N/A
A_22_P00021965	1,90376	1,71562	1,13929393	ENST00000420082	N/A	N/A	N/A
A_33_P3381338	5,85824	5,67012	1,139278136	ENST00000546684	7148	NM_019105	TNXB
A_21_P0011826	1,91153	1,72345	1,139246549	N/A	N/A	N/A	XLOC_I2_007449
A_33_P3238074	7,83309	7,64502	1,139238652	ENST00000404569	54471	NM_019008	MIEF1
A_24_P341535	6,74205	6,55404	1,139191273	ENST00000558470	388152	NR_027001	GOLGA2P7
A_21_P0001992	4,50686	4,31888	1,139167585	ENST00000437610	101927534	XR_245057	LOC101927534
A_33_P3386566	1,91604	1,72809	1,139143897	ENST00000371836	84871	BC035739	AGBL4
A_23_P78099	4,85543	4,66749	1,139136001	ENST00000226218	7448	NM_000638	VTN
A_21_P0013980	2,63522	2,44731	1,139112313	N/A	N/A	AW968932	N/A
A_24_P137376	10,9798	10,7919	1,139104418	ENST00000507194	27032	NM_001001485	ATP2C1
A_22_P00005034	4,07618	3,88829	1,139096522	N/A	N/A	N/A	Inc-DDX54-1
A_22_P00015431	1,89427	1,7064	1,139080731	ENST00000539552	N/A	N/A	N/A
A_24_P361158	10,0481	9,86035	1,138985989	ENST00000558850	55778	NM_018335	ZNF839
A_33_P3236748	2,25133	2,0636	1,138970199	N/A	N/A	XR_111551	N/A
A_23_P159476	11,8372	11,6495	1,138946515	ENST00000459860	8636	NM_003731	SSNA1
A_21_P0010479	3,89664	3,70895	1,138938621	N/A	N/A	N/A	Inc-NHP2L1-1
A_22_P00008149	1,8806	1,69291	1,138938621	ENST00000522807	101927003	NR_125389	LOC101927003
A_21_P0003690	1,90204	1,71436	1,138930726	N/A	N/A	N/A	Inc-RP11-701P16.2.1-1
A_21_P0009458	1,90896	1,72132	1,138899149	N/A	497259	NR_049896	C18orf61
A_33_P3231670	10,0365	9,84886	1,138899149	ENST00000392827	727800	NM_031297	RNF208
A_22_P00007547	6,62422	6,43676	1,138757061	N/A	101929147	NR_125977	LOC101929147

A_19_P00318609	1,7023	1,51486	1,138741275	ENST00000598583	102800447	NR_110564	LOC102800447
A_21_P0004103	1,92498	1,73757	1,138717596	ENST00000510065	N/A	N/A	N/A
A_24_P323104	14,4093	14,2219	1,138709703	ENST00000253811	1729	NM_005219	DIAPH1
A_24_P135322	8,1915	8,00413	1,138686024	ENST00000374821	8829	NM_001024629	NRP1
A_33_P3290082	5,91153	5,72418	1,138670239	ENST00000496385	89781	NM_022081	HPS4
A_33_P3300067	1,92677	1,73944	1,138654453	N/A	100128787	NR_038914	LINC01349
A_22_P00023505	1,92688	1,73958	1,138630776	N/A	N/A	CA429850	Inc-G2E3-2
A_22_P00023865	10,5722	10,3849	1,138630776	N/A	N/A	N/A	Inc-FKBP3-3
A_33_P3263533	1,91922	1,73197	1,138591315	ENST00000303395	6323	NM_001202435	SCN1A
A_24_P21985	7,50035	7,3132	1,138512396	ENST00000162391	55810	NM_018416	FOXJ2
A_22_P00007090	1,926	1,73888	1,138488722	N/A	N/A	N/A	Inc-GLRB-1
A_21_P0002656	1,82076	1,63365	1,138480831	N/A	N/A	N/A	Inc-TRMT61B-1
A_21_P0010543	1,92383	1,73673	1,138472939	N/A	101060442	N/A	LOC101060442
A_33_P3248137	4,85657	4,66949	1,138457157	ENST00000373580	169611	NM_182487	OLFML2A
A_21_P0005345	2,01548	1,82842	1,138441375	N/A	N/A	N/A	Inc-FAM20C-4
A_22_P00025711	1,91392	1,7269	1,138409811	ENST00000412424	N/A	XR_244974	N/A
A_33_P3349751	1,64728	1,46027	1,13840192	ENST00000315915	79317	NM_001005483	OR4K5
A_24_P147540	14,8948	14,7078	1,138394029	ENST00000618550	80164	NM_001190467	PRR36
A_22_P00010076	4,80225	4,61525	1,138394029	ENST00000438640	N/A	N/A	N/A
A_23_P152420	9,42076	9,23379	1,138370357	ENST00000405402	23199	NM_014615	GSE1
A_22_P00004065	2,87183	2,68488	1,138354576	N/A	N/A	R70218	Inc-CHSY1-4
A_32_P305888	5,4284	5,24151	1,138307234	ENST00000323829	79628	NM_024577	SH3TC2
A_23_P368909	7,76751	7,58066	1,138275674	ENST00000538077	283487	NR_027701	LINC00346
A_19_P00318803	4,00019	3,81334	1,138275674	ENST00000424194	101928545	NR_120512	SEPT7-AS1
A_33_P3396129	5,84418	5,65736	1,138252005	ENST00000566611	10300	AB209250	KATNB1
A_33_P3238225	8,10968	7,92294	1,138188888	N/A	N/A	N/A	N/A
A_33_P3266165	16,4801	16,2934	1,138157331	ENST00000595170	N/A	N/A	N/A
A_21_P0000883	1,9249	1,73822	1,138141553	ENST00000455366	400620	NR_040020	LOC400620
A_23_P47665	6,04971	5,86307	1,138109998	ENST00000396895	3046	NM_005330	HBE1
A_33_P3219641	8,31548	8,12885	1,138102109	ENST00000376597	84131	NM_001098802	CEP78
A_21_P0000288	5,98194	5,79534	1,138078443	ENST00000461653	26804	NR_002748	SNORD45B
A_23_P303238	1,8839	1,69733	1,138054778	ENST00000472952	317705	NM_173858	VN1R5
A_21_P0011993	1,90393	1,71737	1,138046889	ENST00000425850	N/A	N/A	N/A

A_33_P3211634	3,71655	3,53008	1,137975896	ENST00000524031	285755	NM_001286361	PPIL6
A_23_P5685	1,91704	1,73057	1,137975896	ENST00000389554	10716	NM_006593	TBR1
A_21_P0004150	1,8866	1,70015	1,137960121	ENST00000504034	N/A	N/A	N/A
A_32_P524614	5,51917	5,33273	1,137952233	ENST00000333870	201243	NM_175734	C17orf74
A_21_P0008310	1,85639	1,66996	1,137944345	N/A	N/A	N/A	Inc-C14orf23-2
A_22_P00021876	5,22097	5,03457	1,137920683	N/A	N/A	BX093121	Inc-ZC3H12D-4
A_21_P0004253	1,92441	1,73804	1,137897021	ENST00000509844	100996645	NR_120607	LINCR-0003
A_33_P3210900	6,23212	6,04577	1,137881246	ENST00000397099	6396	N/A	SEC13
A_33_P3605969	7,23419	7,04787	1,137857585	N/A	N/A	BC071847	N/A
A_22_P00018033	3,64874	3,46242	1,137857585	ENST00000567469	N/A	DA211558	N/A
A_33_P3302957	9,21262	9,0263	1,137857585	ENST00000393966	25894	NM_001129728	PLEKHG4
A_21_P0014389	13,1736	12,9873	1,137841811	ENST00000478928	10096	NM_005721	ACTR3
A_22_P00016475	1,89931	1,71304	1,13781815	N/A	727677	NR_024393	CASC8
A_22_P00009338	3,09687	2,9106	1,13781815	N/A	101927975	XR_246372	LOC101927975
A_33_P3222630	3,2146	3,02835	1,137802377	ENST00000517806	286151	NM_001029860	FBXO43
A_24_P412512	7,97706	7,79081	1,137802377	ENST00000485005	51199	NM_016350	NIN
A_24_P124558	6,92033	6,73421	1,137699855	N/A	3224	NM_022658	HOXC8
A_22_P00005316	4,28137	4,09526	1,137691969	N/A	N/A	N/A	Inc-DNASE1-3
A_33_P3385488	16,858	16,6719	1,137684083	ENST00000412454	6222	NM_022551	RPS18
A_22_P00009349	5,2138	5,02776	1,137636769	ENST00000558515	N/A	BU662177	N/A
A_22_P00005290	1,91429	1,72826	1,137628884	N/A	N/A	BC038740	Inc-DNAI1-2
A_33_P3227551	4,72728	4,54125	1,137628884	ENST00000509069	55422	N/A	ZNF331
A_33_P3214119	6,81745	6,63142	1,137628884	ENST00000528751	N/A	XM_006722257	N/A
A_23_P160537	10,5161	10,3301	1,137605228	ENST00000374298	79000	NM_024037	AUNIP
A_22_P00004789	1,92295	1,73699	1,137573687	N/A	N/A	AK095296	Inc-CXADR-2
A_33_P3231645	2,42777	2,24183	1,137557917	N/A	N/A	N/A	N/A
A_21_P0006260	1,89972	1,71379	1,137550032	N/A	N/A	N/A	Inc-DDX58-1
A_23_P54816	16,906	16,7201	1,137526378	ENST00000330398	527	NM_001694	ATP6VOC
A_22_P00022847	7,37839	7,19254	1,137486955	N/A	N/A	AK027183	Inc-RNF186-1
A_22_P00015020	3,68407	3,49825	1,137463302	N/A	N/A	CN315051	Inc-SMPD3-2
A_33_P3409294	5,22173	5,03592	1,137455417	ENST00000417666	N/A	N/A	N/A
A_23_P202720	12,039	11,8532	1,137447533	ENST00000314134	55343	NM_018389	SLC35C1
A_21_P0005198	6,64089	6,45512	1,137423881	N/A	N/A	N/A	Inc-WBSCR16-1

A_33_P3210556	2,01685	1,8311	1,137408113	ENST00000560282	388182	NR_028139	SPATA41
A_21_P0013443	1,86996	1,68424	1,137384461	ENST00000435148	N/A	N/A	N/A
A_33_P3335461	6,09103	5,90536	1,137345043	N/A	N/A	AY533203	N/A
A_23_P160849	8,21963	8,03399	1,137321393	ENST00000289902	2207	NM_004106	FCER1G
A_22_P00003196	1,86082	1,67523	1,137281977	N/A	N/A	N/A	Inc-CA6-2
A_24_P14902	1,92129	1,73572	1,137266211	ENST00000334266	353164	NM_181429	TAS2R42
A_22_P00010778	1,9183	1,73278	1,137226797	ENST00000504840	N/A	N/A	N/A
A_23_P430902	7,75383	7,56834	1,13720315	ENST00000307450	118812	NM_178832	MORN4
A_33_P3272573	1,9247	1,73923	1,137187385	ENST00000379349	10549	XM_005274438	PRDX4
A_32_P715159	1,9189	1,73344	1,137179503	ENST00000611085	727832	NM_001145004	GOLGA6L6
A_21_P0013145	7,22712	7,04167	1,13717162	ENST00000428896	N/A	N/A	N/A
A_21_P0013990	3,58019	3,39475	1,137163738	N/A	N/A	N/A	N/A
A_33_P3317406	15,8819	15,6965	1,13713221	ENST00000531250	4723	NM_007103	NDUFV1
A_23_P134113	11,2641	11,0787	1,13713221	ENST00000275227	116843	NM_052831	SLC18B1
A_22_P00003781	7,82816	7,64281	1,1370928	ENST00000588812	1018	NM_001258	CDK3
A_21_P0010672	1,89009	1,70477	1,137069155	N/A	N/A	N/A	XLOC_I2_001310
A_33_P3384825	12,6226	12,4373	1,137053392	ENST00000574205	23399	NM_015343	CTDNEP1
A_33_P3363245	10,269	10,0838	1,13697458	ENST00000556415	11247	NM_007224	NXPH4
A_23_P60472	11,8263	11,6411	1,13697458	ENST00000379235	55833	NM_018449	UBAP2
A_33_P3403053	1,91524	1,7301	1,136927296	N/A	N/A	BC066990	Inc-GUSB-5
A_23_P24135	5,88165	5,69652	1,136919415	ENST00000373306	6865	NM_001057	TACR2
A_21_P0009273	1,92118	1,73608	1,136895774	N/A	N/A	N/A	Inc-CDR2L-1
A_21_P0011759	6,50735	6,32226	1,136887894	ENST00000602242	79986	N/A	ZNF702P
A_19_P00319072	1,92304	1,738	1,136848493	ENST00000607823	N/A	N/A	N/A
A_33_P3234809	5,21203	5,02702	1,136824853	ENST00000263334	7849	NM_003466	PAX8
A_21_P0000375	5,62012	5,43511	1,136824853	N/A	692089	NR_003047	SNORD19
A_33_P3361272	1,87781	1,69281	1,136816973	N/A	101927894	XR_242850	LOC101927894
A_21_P0003929	4,53142	4,34642	1,136816973	ENST00000503877	100505811	NR_104609	LOC100505811
A_33_P3383756	8,62832	8,44333	1,136809093	ENST00000316985	54904	NM_017778	WHSC1L1
A_33_P3351087	1,90672	1,72173	1,136809093	ENST00000373976	5592	N/A	PRKG1
A_33_P3618956	1,92315	1,73818	1,136793334	ENST00000481759	9288	NR_028511	TAAR3
A_33_P3328726	4,59703	4,41212	1,136746057	ENST00000558821	80125	NM_025055	CCDC33
A_22_P00024602	5,65124	5,46633	1,136746057	N/A	101927437	XR_243060	LOC101927437

A_23_P114232	13,9653	13,7804	1,136738178	ENST00000379341	10549	NM_006406	PRDX4
A_23_P344421	2,04845	1,86356	1,136730299	ENST00000534407	54538	NM_019055	ROBO4
A_21_P0013262	1,92079	1,73591	1,136722419	N/A	N/A	N/A	XLOC_I2_013554
A_22_P00021419	1,92214	1,73726	1,136722419	ENST00000426187	N/A	N/A	N/A
A_21_P0010557	6,53388	6,34901	1,13671454	ENST00000449715	N/A	N/A	N/A
A_33_P3220381	7,0432	6,85839	1,136667267	ENST00000399438	80006	NM_001243737	TRAPPC13
A_33_P3421028	1,90167	1,71687	1,136659388	ENST00000403284	6098	N/A	ROS1
A_23_P405942	11,8906	11,7058	1,136659388	ENST00000316157	23185	NM_015155	LARP4B
A_22_P00017282	2,02449	1,83972	1,136635752	N/A	N/A	AF447878	Inc-USO1-2
A_23_P214079	3,08346	2,89874	1,13659636	ENST00000505722	6690	NM_003122	SPINK1
A_32_P141724	11,0685	10,8838	1,136580603	ENST00000446419	149951	NM_053041	COMMD7
A_33_P3233886	4,57687	4,39217	1,136580603	N/A	N/A	AX721312	N/A
A_22_P00002490	7,3628	7,17813	1,136556969	ENST00000378611	123775	NM_001100873	C16orf46
A_21_P0005995	4,75963	4,57497	1,136549091	N/A	N/A	N/A	Inc-DMRT2-1
A_21_P0014232	1,90047	1,71582	1,136541213	N/A	N/A	N/A	Inc-PTGES-1
A_21_P0005187	5,03639	4,85176	1,136525457	N/A	N/A	N/A	Inc-DLL1-4
A_33_P3388855	8,13746	7,95294	1,136438805	ENST00000467058	10128	NM_133259	LRPPRC
A_22_P00014430	3,89276	3,70824	1,136438805	N/A	101927257	NR_109965	LOC101927257
A_32_P148672	13,1561	12,9716	1,136423051	ENST00000402743	6632	NM_006938	SNRPD1
A_23_P87827	11,4889	11,3044	1,136423051	ENST00000344651	84747	NM_001080533	UNC119B
A_24_P363100	5,38334	5,19885	1,136415174	ENST00000508978	285704	NM_001012761	RGMB
A_24_P195134	1,91577	1,73129	1,136407297	ENST00000509000	N/A	N/A	N/A
A_33_P3402454	6,25641	6,07201	1,136344283	ENST00000219322	3038	NM_138612	HAS3
A_33_P3291650	3,25367	3,0693	1,136320653	ENST00000390268	N/A	AY271360	N/A
A_33_P3258472	4,68087	4,49655	1,136281272	ENST00000615901	6711	NM_003128	SPTBN1
A_33_P3764744	1,97453	1,79023	1,13626552	N/A	N/A	N/A	N/A
A_33_P3336810	5,71815	5,53391	1,136218265	ENST00000334513	200035	NM_001012758	NUDT17
A_33_P3234949	1,5776	1,39338	1,136202514	ENST00000464741	2894	NM_017551	GRID1
A_33_P3384452	11,6981	11,5139	1,136186763	ENST00000375370	7027	NM_007111	TFDP1
A_24_P406060	9,21966	9,03548	1,136171012	ENST00000259939	255488	NM_182757	RNF144B
A_21_P0010950	7,54394	7,35986	1,136092261	N/A	N/A	N/A	Inc-SFTPD-2
A_33_P3233070	2,80237	2,61832	1,136068637	N/A	100505564	XR_158888	LOC100505564
A_22_P00021251	5,81835	5,63434	1,136037139	ENST00000550908	N/A	DB459582	N/A



A_23_P143446	12,1204	11,9364	1,136029265	ENST00000352957	54148	NM_017446	MRPL39
A_33_P3331314	3,59186	3,40786	1,136029265	ENST00000390430	N/A	AB305744	N/A
A_22_P00010667	7,35137	7,16738	1,13602139	N/A	N/A	N/A	Inc-NES-1
A_22_P00020011	7,034	6,85004	1,135997768	ENST00000444848	N/A	N/A	N/A
A_33_P3259403	5,17612	4,9922	1,135966272	ENST00000380958	255967	NM_175854	PAN3
A_24_P411863	8,89999	8,71609	1,135950524	ENST00000334914	55904	NM_182931	KMT2E
A_23_P56978	12,6342	12,4503	1,135950524	ENST00000217185	5753	NM_005975	PTK6
A_33_P3346102	10,5011	10,3172	1,135950524	ENST00000543709	51347	NM_016281	TAOK3
A_33_P3359071	13,2252	13,0413	1,135950524	ENST00000620338	65057	NM_001082486	ACD
A_22_P00016313	1,91211	1,72823	1,135934776	ENST00000561864	N/A	N/A	N/A
A_22_P00009431	2,92442	2,74058	1,135903282	N/A	N/A	N/A	Inc-LYRM7-1
A_21_P0002613	1,91625	1,73242	1,135895409	N/A	N/A	N/A	Inc-SPOPL-3
A_23_P13073	10,2338	10,0501	1,135793059	ENST00000227474	83480	NM_031307	PUS3
A_33_P3396200	11,4398	11,2561	1,135793059	N/A	101927655	NM_001289933	ZASP
A_33_P3336287	4,27603	4,09235	1,135777313	ENST00000379017	55176	NM_018144	SEC61A2
A_21_P0001790	6,08078	5,8971	1,135777313	ENST00000445865	101927438	NR_110224	LOC101927438
A_22_P00003050	7,54778	7,36416	1,135730079	ENST00000422038	N/A	N/A	N/A
A_32_P134290	8,87899	8,69539	1,135714334	ENST00000269499	54877	NM_017742	ZCCHC2
A_21_P0009936	1,9149	1,73145	1,135596258	N/A	N/A	N/A	Inc-SPTLC3-1
A_22_P00012111	1,90424	1,7208	1,135588386	N/A	100874088	NR_046638	PCYT1B-AS1
A_22_P00007797	4,65769	4,47427	1,135572644	N/A	N/A	N/A	Inc-HOMER1-1
A_23_P404162	5,90791	5,7245	1,135564773	ENST00000622668	9734	NM_014707	HDAC9
A_24_P234116	11,7483	11,5649	1,135556902	ENST00000368926	54964	NM_017860	C1orf56
A_33_P3615922	4,78176	4,59836	1,135556902	ENST00000451029	79846	NM_001039706	CFAP69
A_23_P65768	12,8919	12,7085	1,135556902	ENST00000260443	51187	NM_016304	RSL24D1
A_24_P475349	1,90625	1,72292	1,135501806	ENST00000543906	51560	NM_016577	RAB6B
A_23_P213255	11,1309	10,9476	1,135478194	ENST00000457823	56916	NM_020159	SMARCAD1
A_21_P0012507	7,9217	7,7384	1,135478194	ENST00000483636	201651	N/A	AADACP1
A_22_P00025048	1,87792	1,69468	1,135430971	N/A	N/A	N/A	Inc-ARL15-2
A_21_P0009073	7,34521	7,16199	1,135415231	N/A	N/A	N/A	Inc-MPHOSPH6-2
A_21_P0012078	10,365	10,1818	1,135399491	ENST00000612724	541471	NR_015395	MIR4435-1HG
A_33_P3382595	14,7541	14,5709	1,135399491	N/A	125050	NR_001445	RN7SK
A_33_P3344451	13,7291	13,546	1,135320794	ENST00000397665	84326	NM_032366	C16orf13

A_22_P00009075	6,56579	6,38269	1,135320794	N/A	N/A	N/A	Inc-LETM2-1
A_23_P8311	11,9876	11,8045	1,135320794	ENST00000341060	51567	NM_016614	TDP2
A_21_P0013978	1,91077	1,72768	1,135312924	N/A	N/A	N/A	N/A
A_22_P00009347	1,89631	1,71325	1,135289317	ENST00000560938	N/A	N/A	N/A
A_22_P00001555	8,96191	8,77887	1,135273578	ENST00000551021	100288798	NR_125381	LOC100288798
A_22_P00000699	1,90509	1,72209	1,135242102	ENST00000453816	200726	NM_001102659	LOC200726
A_23_P43255	12,3455	12,1625	1,135242102	ENST00000519540	51571	NM_016623	FAM49B
A_23_P46936	4,68127	4,49831	1,135210627	ENST00000411732	1959	NM_000399	EGR2
A_21_P0002172	6,85004	6,66709	1,135202758	N/A	N/A	N/A	Inc-TRIB2-3
A_22_P00008407	10,1159	9,93297	1,135187021	ENST00000523313	101805492	NR_103848	CASC9
A_33_P3262555	11,3448	11,1619	1,135163416	ENST00000402693	399664	NM_001174118	MEX3D
A_33_P3321342	10,0833	9,90041	1,135155548	ENST00000411929	51141	NM_016133	INSIG2
A_33_P3413993	4,32666	4,14379	1,135139811	ENST00000405496	710	N/A	SERPING1
A_33_P3418726	8,61675	8,43394	1,135092603	ENST00000299927	9640	NM_014630	ZNF592
A_23_P152055	10,8153	10,6325	1,135084735	ENST00000359445	79631	NM_024580	EFTUD1
A_23_P212400	8,34922	8,1665	1,135021794	ENST00000443842	24142	NM_012191	NAT6
A_23_P257583	3,52627	3,34356	1,135013927	ENST00000496613	27147	NM_015689	DENND2A
A_21_P0014804	3,88829	3,70559	1,13500606	N/A	N/A	N/A	Inc-CLEC18B-2
A_33_P3262074	1,87876	1,69608	1,134990325	N/A	N/A	N/A	N/A
A_33_P3289976	15,68	15,4974	1,13492739	N/A	N/A	N/A	N/A
A_24_P71661	4,66341	4,48082	1,134919523	ENST00000320954	10491	NM_006371	CRTAP
A_23_P312344	9,02573	8,84314	1,134919523	ENST00000261741	9904	NM_016196	RBM19
A_22_P00025566	5,72998	5,54743	1,134888057	N/A	N/A	N/A	Inc-SMCR7L-1
A_23_P54055	13,9104	13,7279	1,134848725	ENST00000361265	84962	NM_032876	AJUBA
A_21_P0007410	1,97651	1,79408	1,134793664	N/A	N/A	N/A	Inc-RP11-831A10.1.1-1
A_32_P174908	11,4967	11,3143	1,134770066	ENST00000618527	23063	NM_015045	WAPAL
A_19_P00322711	9,24551	9,06311	1,134770066	ENST00000588027	148189	NR_027301	LINC00662
A_23_P135226	3,32703	3,14466	1,13474647	ENST00000616791	138882	NM_001004457	OR1N2
A_24_P934563	9,7791	9,59673	1,13474647	ENST00000302503	23788	NM_014342	MTCH2
A_24_P414803	1,91669	1,73438	1,134699278	ENST00000357525	5350	NM_002667	PLN
A_33_P3303469	6,5142	6,3319	1,134691413	N/A	N/A	N/A	N/A
A_32_P52519	2,91342	2,73117	1,134652088	ENST00000548889	146183	NM_170664	OTOA
A_22_P00016518	7,32719	7,14497	1,134628494	N/A	191585	NM_182832	PLAC4

A_21_P0007454	1,91401	1,73189	1,13454985	N/A	N/A	N/A	Inc-RP11-168K9.2.1-2
A_23_P152398	1,9081	1,72601	1,134526258	ENST00000219162	84560	NM_032935	MT4
A_22_P00018948	1,91617	1,73408	1,134526258	ENST00000584482	N/A	N/A	N/A
A_33_P3252441	3,89743	3,71536	1,13451053	N/A	N/A	N/A	N/A
A_21_P0002950	1,90754	1,7255	1,134486939	N/A	N/A	N/A	Inc-ZNF621-1
A_21_P0002312	1,9125	1,7305	1,134455485	N/A	N/A	N/A	Inc-UBR3-1
A_21_P0009320	11,8869	11,7049	1,134455485	N/A	101929494	XR_424825	LOC101929494
A_21_P0005191	1,887	1,70502	1,134439758	ENST00000449644	100506725	N/A	LOC100506725
A_23_P143334	3,80519	3,62323	1,134424032	ENST00000462552	140733	BC126936	MACROD2
A_22_P00017113	7,54903	7,36712	1,134384716	N/A	N/A	N/A	Inc-UAP1L1-1
A_33_P3269110	3,31581	3,13392	1,13436899	ENST00000512983	2982	NM_001130687	GUCY1A3
A_21_P0001383	1,90846	1,72658	1,134361128	N/A	N/A	N/A	Inc-TBX19-1
A_22_P00005903	1,91751	1,73567	1,134329677	ENST00000434589	N/A	BG221971	N/A
A_21_P0008079	3,06885	2,88703	1,134313952	N/A	N/A	N/A	Inc-BORA-3
A_33_P3776564	1,91805	1,73625	1,134298227	ENST00000610562	158434	NM_001256408	LOC158434
A_24_P168510	10,3144	10,1326	1,134298227	ENST00000600372	79036	NM_024069	KXD1
A_21_P0001792	6,79145	6,60971	1,134251054	N/A	N/A	N/A	Inc-LRRTM4-3
A_21_P0009165	6,28405	6,10231	1,134251054	ENST00000444464	N/A	XR_424811	N/A
A_21_P0013612	1,88813	1,70645	1,134203883	ENST00000416242	N/A	N/A	N/A
A_33_P3304506	1,91036	1,72874	1,134156713	ENST00000493279	N/A	N/A	N/A
A_21_P0008717	1,88299	1,70138	1,134148852	N/A	102724055	XR_424586	LOC102724055
A_32_P101031	5,99901	5,81741	1,134140991	ENST00000397463	116372	NM_144586	LYPD1
A_22_P00007015	1,8805	1,6989	1,134140991	ENST00000564402	N/A	BC040568	N/A
A_33_P3262327	6,94538	6,7638	1,134125268	N/A	N/A	N/A	N/A
A_32_P52018	1,91873	1,73721	1,134078102	ENST00000481706	221692	NM_030948	PHACTR1
A_32_P117422	11,4821	11,3006	1,134062381	ENST00000414507	5382	NR_022007	PMS2P4
A_24_P72750	11,4029	11,2214	1,134062381	ENST00000375859	10927	NM_006717	SPIN1
A_33_P3238815	6,38589	6,20441	1,134046659	ENST00000417257	84978	NM_001286491	FRMD5
A_23_P380951	6,68562	6,50416	1,134030938	ENST00000337995	147923	NM_144689	ZNF420
A_21_P0006933	6,13283	5,9514	1,134007357	N/A	N/A	N/A	Inc-ZRANB1-2
A_22_P00006553	4,63171	4,45033	1,133968056	N/A	101929865	XR_253639	LOC101929865
A_22_P00017900	1,88998	1,70865	1,133928756	ENST00000552840	N/A	N/A	N/A
A_23_P15174	9,52772	9,3464	1,133920897	ENST00000564295	4494	NM_005949	MT1F

A_23_P305581	1,89792	1,71661	1,133913037	N/A	2849	NM_153442	GPR26
A_22_P00009655	1,91088	1,72959	1,133897318	N/A	N/A	N/A	Inc-MAT2B-3
A_22_P00025328	6,8541	6,67282	1,133889458	N/A	N/A	N/A	Inc-C11orf41-1
A_33_P3303697	1,91812	1,73686	1,133873739	ENST00000367057	1380	NM_001006658	CR2
A_33_P3271885	4,6189	4,43769	1,133834443	N/A	N/A	N/A	N/A
A_33_P3271925	10,8521	10,6709	1,133826584	ENST00000371917	10564	NM_006420	ARFGEF2
A_33_P3357283	3,7625	3,58131	1,133818725	ENST00000437537	N/A	XM_006724937	N/A
A_21_P0003580	1,9022	1,72102	1,133810866	N/A	N/A	N/A	Inc-CD38-2
A_23_P722	4,14467	3,96349	1,133810866	ENST00000618516	6847	NM_003176	SYCP1
A_22_P00006552	3,08508	2,90396	1,133763713	N/A	N/A	N/A	Inc-FKBP9-1
A_21_P0014397	9,76473	9,58362	1,133755854	ENST00000440595	101926888	NR_109885	RALY-AS1
A_33_P3251522	3,38687	3,20581	1,133716562	ENST00000395528	206338	NM_173800	AQPEP
A_22_P00006973	1,90856	1,72754	1,133685129	ENST00000567369	N/A	N/A	N/A
A_22_P00011853	7,98992	7,80892	1,133669413	N/A	N/A	N/A	Inc-PHTF2-1
A_33_P3278200	5,5967	5,41571	1,133661555	ENST00000495892	4600	AK126107	MX2
A_33_P3222698	6,18608	6,00512	1,133637981	ENST00000396058	10168	NM_006991	ZNF197
A_24_P110242	1,91739	1,73646	1,133614408	ENST00000558425	N/A	N/A	N/A
A_33_P3562537	4,61388	4,43295	1,133614408	ENST00000340058	5979	NM_020630	RET
A_24_P418637	8,86152	8,68062	1,133590836	ENST00000496804	23499	NM_012090	MACF1
A_33_P3216532	11,9721	11,7912	1,133590836	ENST00000487222	2050	NM_004444	EPHB4
A_33_P3231771	4,12729	3,94642	1,133567263	N/A	153743	NR_038443	PPP1R2P3
A_22_P00012465	2,20678	2,02599	1,133504407	N/A	N/A	N/A	Inc-PRR15L-3
A_22_P00022177	5,28845	5,1077	1,13347298	N/A	N/A	N/A	Inc-UHRF2-1
A_21_P0006604	1,9106	1,7299	1,133433697	N/A	N/A	N/A	Inc-RBMY1B-1
A_24_P281801	8,89704	8,71634	1,133433697	ENST00000419098	654254	NM_001137608	ZNF732
A_23_P201628	11,5251	11,3444	1,133433697	ENST00000258341	3915	NM_002293	LAMC1
A_23_P101185	13,1493	12,9686	1,133433697	ENST00000256854	4677	NM_004539	NARS
A_22_P00021758	6,48845	6,30781	1,13338656	N/A	642366	NR_046243	LOC642366
A_22_P00014304	1,91452	1,73389	1,133378704	N/A	101929215	NR_109930	CTD-2201118.1
A_22_P00022045	1,90529	1,72473	1,133323714	N/A	N/A	N/A	Inc-C9orf93-2
A_22_P00022704	1,90031	1,71976	1,133315858	N/A	N/A	AK126310	Inc-AC005481.5.1-2
A_21_P0000266	7,40738	7,22685	1,133300147	N/A	26775	NR_002581	SNORA72
A_21_P0012220	8,98728	8,80679	1,133268726	ENST00000429521	391267	N/A	ANKRD20A11P

A_22_P00022676	1,86737	1,68696	1,133205886	ENST00000503415	N/A	N/A	N/A
A_24_P309317	2,086	1,90559	1,133205886	ENST00000394934	5660	NM_001042465	PSAP
A_33_P3306287	7,65163	7,47127	1,133166612	ENST00000263092	79066	NM_024086	METTL16
A_22_P00000643	4,91892	4,73857	1,133158758	N/A	N/A	BX641826	Inc-ACSM5-1
A_33_P6814355	7,7198	7,53946	1,133150904	N/A	101926911	NR_110104	LOC101926911
A_33_P3399881	2,59949	2,41918	1,133127341	N/A	N/A	AK123930	N/A
A_21_P0006868	1,85507	1,67478	1,133111632	N/A	N/A	N/A	Inc-TMEM72-1
A_24_P925664	8,32928	8,14907	1,133048801	ENST00000462284	4193	NM_002392	MDM2
A_22_P00001744	11,2338	11,0536	1,133040947	N/A	55839	NM_001100624	CENPN
A_23_P501010	13,6622	13,482	1,133040947	ENST00000433822	1308	NM_000494	COL17A1
A_23_P89780	13,6702	13,49	1,133040947	ENST00000269217	3909	NM_198129	LAMA3
A_21_P0012492	1,90874	1,72855	1,133033094	ENST00000466089	255025	NR_015400	LINC00879
A_21_P0007134	3,26338	3,08325	1,132985973	ENST00000534757	101410541	NR_102708	LINC00678
A_33_P3368555	4,83983	4,65971	1,13297812	ENST00000394457	130872	XM_006711943	AHSA2
A_23_P344392	7,27039	7,0903	1,13295456	ENST00000432857	4968	NM_002542	OGG1
A_22_P00001132	1,90777	1,72776	1,132891738	N/A	N/A	AK094325	Inc-ALX4-5
A_21_P0013525	1,87154	1,69162	1,132821067	N/A	N/A	N/A	Inc-C8orf83-2
A_33_P3244882	9,24793	9,06806	1,132781807	ENST00000324350	192669	NM_024852	AGO3
A_23_P422178	9,53949	9,35969	1,132726845	ENST00000497616	8450	NM_003588	CUL4B
A_33_P3319680	1,88486	1,70511	1,132687588	ENST00000543885	494470	NM_152470	RNF165
A_24_P417935	8,1344	7,95466	1,132679737	N/A	100130776	NR_027032	AGAP2-AS1
A_23_P152620	6,94745	6,76774	1,132656184	ENST00000396542	8741	NM_172088	TNFSF13
A_33_P3391132	1,88249	1,70279	1,132648333	N/A	100129716	NR_027435	ARRDC3-AS1
A_22_P00015501	5,27249	5,0928	1,132640482	ENST00000567456	N/A	XR_424590	N/A
A_33_P3418566	1,91482	1,73515	1,132624781	N/A	101515984	NR_104138	LINC01080
A_21_P0001817	1,91419	1,73456	1,132593378	ENST00000417930	101929531	XR_241262	LOC101929531
A_22_P00002129	3,80542	3,6258	1,132585528	ENST00000451266	101927619	NR_110267	LOC101927619
A_22_P00004471	5,50161	5,32201	1,132569827	ENST00000519821	N/A	N/A	N/A
A_33_P3364626	7,03107	6,85154	1,132514875	ENST00000343105	100131211	N/A	TMEM194B
A_23_P78543	11,2824	11,1029	1,132491326	ENST00000250244	10053	NM_005498	AP1M2
A_21_P0000364	3,35331	3,17385	1,132459927	N/A	692053	NR_003029	SNORD9
A_33_P3391895	1,91372	1,73433	1,132404981	ENST00000368801	388697	NM_001009931	HRNR
A_21_P0007361	3,0657	2,88632	1,132397132	N/A	N/A	N/A	Inc-TRMT112-3

A_24_P930926	8,10406	7,92472	1,132365735	ENST00000287322	9530	NM_004874	BAG4
A_23_P163059	9,52403	9,34471	1,132350038	ENST00000555740	64430	NM_022495	PCNXL4
A_33_P3393573	11,4542	11,2749	1,13233434	ENST00000460828	5110	NM_001252053	PCMT1
A_33_P3218564	14,2578	14,0786	1,132255855	N/A	N/A	N/A	N/A
A_23_P18119	2,25359	2,07441	1,132240159	ENST00000193391	50939	NM_016247	IMPG2
A_23_P425750	9,84664	9,66747	1,132232311	ENST00000392336	93436	NM_033415	ARMC6
A_22_P00000204	1,90819	1,72909	1,132177376	N/A	N/A	BU928599	Inc-ABRA-1
A_22_P00005684	4,21837	4,03928	1,132169528	N/A	N/A	N/A	Inc-EIF6-1
A_22_P00022003	1,91723	1,73815	1,132161681	ENST00000423466	N/A	BG202600	N/A
A_22_P00006343	1,90991	1,73089	1,132114596	ENST00000566976	N/A	BC012943	N/A
A_22_P00004919	3,26766	3,08865	1,132106749	N/A	N/A	N/A	Inc-DARS2-1
A_33_P3224190	2,1455	1,96649	1,132106749	ENST00000429970	222962	NM_001040661	SLC29A4
A_33_P3381077	1,91194	1,733	1,13205182	ENST00000531945	219873	NM_001004474	OR10S1
A_23_P426305	4,47157	4,2927	1,131996894	ENST00000308423	8639	NM_003734	AOC3
A_33_P3347503	2,89514	2,71627	1,131996894	N/A	N/A	N/A	N/A
A_22_P00014022	3,11031	2,93145	1,131989048	N/A	400794	NR_026744	LOC400794
A_33_P3531373	7,9744	7,79554	1,131989048	ENST00000602761	340340	XR_252283	LOC340340
A_22_P00006814	6,22758	6,04872	1,131989048	ENST00000558372	N/A	N/A	N/A
A_33_P3326151	7,40153	7,22268	1,131981202	N/A	N/A	N/A	N/A
A_22_P00007843	1,91461	1,73579	1,131957663	N/A	N/A	DA613845	Inc-HRASLS-3
A_33_P3282988	4,69118	4,51236	1,131957663	N/A	N/A	BQ719082	N/A
A_33_P3330811	6,58591	6,4071	1,131949817	N/A	401466	NM_001099670	C8orf59
A_21_P0000233	10,0589	9,8801	1,131941971	N/A	94162	NR_001456	SNORD38A
A_24_P392690	13,7206	13,5418	1,131941971	ENST00000568553	N/A	N/A	N/A
A_33_P3365652	1,91355	1,7348	1,131902741	ENST00000480955	79876	AK310239	UBA5
A_21_P0011701	3,89255	3,71382	1,13188705	N/A	N/A	N/A	XLOC_I2_006780
A_23_P163306	10,2328	10,0541	1,131863513	ENST00000281282	84952	NM_032866	CGNL1
A_21_P0006087	1,7295	1,55081	1,131855668	ENST00000436671	101927873	N/A	LINC01508
A_23_P97736	9,33474	9,15609	1,131824287	ENST00000373253	23154	NM_014284	NCDN
A_21_P0011897	6,2458	6,06717	1,131808596	ENST00000388975	346288	N/A	set-14
A_19_P00803499	7,33204	7,15342	1,131800751	N/A	N/A	N/A	N/A
A_23_P204252	11,741	11,5624	1,131785061	ENST00000000412	4074	NM_002355	M6PR
A_33_P3263319	1,89819	1,71961	1,131769371	ENST00000611473	N/A	AY172958	N/A

A_33_P3300142	3,91024	3,73174	1,131706615	N/A	51479	NM_001257999	ANKFY1
A_24_P364042	4,84718	4,66873	1,131667393	ENST00000374312	5540	NM_005972	NPY4R
A_21_P0007487	1,87495	1,69652	1,131651705	N/A	N/A	N/A	Inc-GLIPR1L1-1
A_33_P3303951	10,0911	9,9127	1,131628173	ENST00000487595	11097	NM_007342	NUPL2
A_22_P00024960	3,56896	3,39058	1,131612486	N/A	N/A	AK092097	Inc-HAGHL-1
A_22_P00017950	4,46061	4,28226	1,131588955	ENST00000490465	100507461	XR_108504	LOC100507461
A_33_P3342797	1,90762	1,7293	1,131565424	N/A	401442	XR_110089	LOC401442
A_21_P0012961	4,92948	4,75117	1,131557581	ENST00000512007	255187	NR_122044	LOC255187
A_33_P3637909	10,0867	9,90844	1,131518365	ENST00000222402	51619	NM_015983	UBE2D4
A_23_P62377	2,34771	2,16949	1,131486993	ENST00000488994	139728	NM_001039582	PNCK
A_33_P3400429	5,83428	5,65607	1,13147915	ENST00000428984	7337	XM_005268267	UBE3A
A_23_P204579	12,3251	12,1469	1,131471307	ENST00000392872	6996	NM_003211	TDG
A_21_P0005553	1,84301	1,66491	1,131392882	ENST00000432866	100506725	NR_108082	LOC100506725
A_21_P0012937	5,08722	4,90913	1,13138504	ENST00000521412	729522	N/A	AACSP1
A_22_P00011156	6,38495	6,20689	1,131361514	ENST00000414394	N/A	N/A	N/A
A_19_P00320814	4,05621	3,87815	1,131361514	ENST00000430635	54064	N/A	LINC00160
A_24_P16340	16,4667	16,2887	1,131314463	ENST00000448115	N/A	N/A	N/A
A_33_P3397568	10,4559	10,2779	1,131314463	ENST00000490459	51072	NM_015955	MEMO1
A_33_P3279241	2,07937	1,9014	1,131290938	ENST00000503896	57507	NM_020747	ZNF608
A_33_P3240392	12,5188	12,3409	1,131236049	ENST00000406360	2309	NM_001455	FOXO3
A_22_P00011252	1,90229	1,72441	1,131220367	N/A	N/A	N/A	Inc-OR2G3-1
A_23_P68472	14,5397	14,3619	1,13115764	ENST00000371584	8813	NM_003859	DPM1
A_33_P3287562	11,6683	11,4905	1,13115764	ENST00000005259	55973	NM_018844	BCAP29
A_23_P14157	4,02736	3,84962	1,131110598	ENST00000485031	22873	NM_198968	DZIP1
A_22_P00024057	1,90366	1,72598	1,131063557	N/A	N/A	N/A	Inc-PACRGL-4
A_19_P00800667	4,9942	4,81654	1,131047877	ENST00000414407	100874158	N/A	LINC00398
A_22_P00022385	3,49345	3,31581	1,131032198	N/A	N/A	BI755909	Inc-FNDC9-1
A_33_P3408722	4,2545	4,07686	1,131032198	ENST00000379084	203259	NM_001184941	FAM219A
A_33_P3397579	8,71545	8,53785	1,131000839	ENST00000522992	N/A	BC040611	N/A
A_22_P00017314	2,46309	2,28549	1,131000839	ENST00000559821	102723344	NR_120375	LOC102723344
A_22_P00009957	1,86399	1,6864	1,130993	ENST00000460597	N/A	N/A	N/A
A_33_P3302696	7,07034	6,89276	1,13098516	ENST00000392995	8493	NM_003620	PPM1D
A_22_P00007496	1,91096	1,7334	1,130969482	N/A	N/A	N/A	Inc-GUSB-4

A_22_P00009307	4,50455	4,32702	1,130945964	N/A	57212	NR_033712	TP73-AS1
A_33_P3420530	1,89903	1,72156	1,13089893	ENST00000376261	2572	NM_001134366	GAD2
A_22_P00000832	5,08054	4,90309	1,130883253	ENST00000512036	N/A	N/A	N/A
A_33_P3371209	1,91143	1,73401	1,130859737	ENST00000507108	340017	NR_026992	LOC340017
A_33_P3275873	1,87427	1,69685	1,130859737	ENST00000409383	6439	NM_000542	SFTP8
A_33_P3244921	11,5101	11,3327	1,13084406	ENST00000431261	81556	NM_001136043	VWA9
A_23_P204144	6,05299	5,87566	1,130789193	ENST00000544265	3891	NM_002283	KRT85
A_22_P00007741	4,37668	4,19936	1,130781355	ENST00000560590	N/A	N/A	N/A
A_23_P24433	8,92212	8,74481	1,130773517	ENST00000527141	8722	NM_003793	CTSF
A_22_P00004626	7,13206	6,95478	1,130750003	ENST00000619495	N/A	N/A	N/A
A_22_P00022009	4,45635	4,27908	1,130742165	ENST00000552028	N/A	XR_111420	N/A
A_33_P3253804	13,5214	13,3442	1,130687303	ENST00000408965	1052	NM_005195	CEBPD
A_22_P00003316	1,88802	1,71083	1,130679466	N/A	N/A	DB054965	Inc-CAPZA3-1
A_22_P00023618	4,22946	4,05231	1,130648117	N/A	100874218	NR_046758	ATP13A5-AS1
A_22_P00022892	4,18064	4,00354	1,130608932	ENST00000577573	146795	XR_243752	LOC146795
A_22_P00016355	13,1082	12,9311	1,130608932	N/A	728730	NR_037875	LOC728730
A_24_P277349	11,549	11,372	1,130530567	ENST00000505479	22872	NM_001077207	SEC31A
A_24_P211206	11,1116	10,9346	1,130530567	ENST00000424846	7170	NM_001043352	TPM3
A_22_P00020199	1,94316	1,76623	1,130475715	N/A	N/A	N/A	Inc-PURG-1
A_22_P00022940	5,41865	5,24173	1,130467879	N/A	N/A	BX095802	Inc-JMJD7-PLA2G4B-5
A_23_P127150	11,1651	10,9882	1,130452207	ENST00000482278	10844	NM_006659	TUBGCP2
A_23_P428729	6,24731	6,07044	1,130428701	ENST00000460607	9204	BC007070	ZMYM6
A_23_P209430	6,6913	6,51449	1,130381688	ENST00000264276	57679	NM_020919	ALS2
A_23_P819	15,3239	15,1471	1,130373853	ENST00000379389	9636	NM_005101	ISG15
A_33_P3224055	5,73286	5,55614	1,130311174	N/A	100132481	AK130567	LOC100132481
A_22_P00018851	9,0997	8,92299	1,130303339	ENST00000379915	60677	NM_001172684	CELF6
A_33_P3419134	1,89022	1,71353	1,13028767	N/A	57698	CR749417	KIAA1598
A_23_P318943	3,7309	3,55423	1,130272001	ENST00000366314	197196	N/A	LINC00311
A_23_P90679	9,49455	9,31791	1,130248498	ENST00000412769	55437	NM_018571	STRADB
A_22_P00016696	13,7832	13,6066	1,130217161	N/A	N/A	N/A	Inc-TRA2A-1
A_32_P161762	6,95548	6,77889	1,130209327	ENST00000371438	860	NM_001024630	RUNX2
A_21_P0005081	1,89352	1,71694	1,130201493	N/A	N/A	N/A	Inc-AL078585.1-3
A_22_P00008088	6,61195	6,43542	1,130162324	N/A	N/A	BM906553	Inc-IL15RA-1



A_24_P935682	8,09505	7,91857	1,130123156	N/A	100131541	AY358248	LOC100131541
A_21_P0007812	3,33197	3,15552	1,130099656	N/A	N/A	N/A	Inc-DDX51-4
A_23_P144369	7,09483	6,91844	1,130052657	ENST00000323061	266812	NM_153757	NAP1L5
A_21_P0010694	3,13472	2,95837	1,130021326	ENST00000431027	N/A	N/A	N/A
A_33_P3245841	2,13706	1,96071	1,130021326	N/A	N/A	N/A	N/A
A_33_P3263625	3,93644	3,7601	1,130013494	ENST00000331588	1850	NM_004420	DUSP8
A_21_P0009981	1,90238	1,72604	1,130013494	N/A	N/A	N/A	Inc-FAM209B-1
A_21_P0010663	9,38077	9,20445	1,129997828	N/A	N/A	N/A	XLOC_I2_001206
A_23_P21495	4,9348	4,75853	1,129958666	ENST00000616721	8857	NM_003890	FCGBP
A_22_P00003341	3,04828	2,87202	1,129950834	N/A	N/A	BX111651	Inc-CAV3-1
A_33_P3310751	4,99599	4,8198	1,12989601	N/A	N/A	N/A	N/A
A_21_P0008130	6,98633	6,81015	1,129888178	N/A	N/A	N/A	Inc-SACS-1
A_21_P0003636	1,88097	1,70485	1,129841188	N/A	N/A	N/A	Inc-C4orf32-1
A_33_P3679277	3,65911	3,48299	1,129841188	ENST00000584833	N/A	N/A	N/A
A_22_P00010699	1,9068	1,73074	1,1297942	N/A	N/A	XM_006716886	Inc-NFIB-1
A_21_P0003981	1,83624	1,66029	1,129708061	ENST00000514255	643401	N/A	LINC01021
A_23_P205768	11,7116	11,5357	1,129668909	ENST00000568196	10776	NM_006628	ARPP19
A_23_P2873	11,5233	11,3474	1,129668909	ENST00000557450	3831	NM_182923	KLC1
A_33_P3260563	2,69624	2,52034	1,129668909	ENST00000311371	11063	NM_007017	SOX30
A_23_P251562	12,0862	11,9104	1,129590609	ENST00000232496	11334	NM_007275	TUSC2
A_21_P0009089	3,59292	3,41712	1,129590609	N/A	N/A	N/A	Inc-C16orf95-1
A_24_P91852	9,72886	9,55309	1,12956712	ENST00000378578	6990	NM_006520	DYNLT3
A_21_P0006889	4,7896	4,61388	1,129527973	N/A	N/A	N/A	Inc-PTEN-1
A_22_P00011588	1,90731	1,73165	1,129480998	N/A	N/A	N/A	Inc-PCDH8-3
A_32_P516818	1,90783	1,7322	1,129457512	ENST00000312275	152078	NM_001243729	PQLC2L
A_21_P0009182	2,89698	2,7214	1,129418368	ENST00000586321	N/A	N/A	N/A
A_22_P00019486	1,8252	1,64962	1,129418368	N/A	101929468	NR_125926	LOC101929468
A_33_P3237487	6,9624	6,78689	1,12936357	ENST00000424895	N/A	AK123475	N/A
A_33_P3422777	1,89669	1,7212	1,129347914	ENST00000622570	5555	NM_005042	PRH2
A_21_P0009252	5,22703	5,05157	1,12932443	N/A	N/A	N/A	Inc-ABI3-1
A_33_P3352758	1,90581	1,73041	1,129277464	N/A	340527	NM_001013627	NHSL2
A_33_P3210805	1,90385	1,72846	1,129269636	ENST00000333743	2567	NM_033223	GABRG3
A_23_P137007	1,89267	1,71732	1,129238327	ENST00000244096	4109	NM_001011543	MAGEA10

A_23_P257834	1,90099	1,72566	1,129222672	ENST00000505649	213	NM_000477	ALB
A_33_P3327108	10,0627	9,88739	1,129207018	ENST00000407008	51701	NM_016231	NLK
A_21_P0002667	2,97054	2,79529	1,129160056	N/A	N/A	N/A	Inc-ST3GAL5-1
A_22_P00011014	5,7545	5,57927	1,129144403	N/A	N/A	N/A	Inc-NSUN6-3
A_32_P404060	1,90496	1,72974	1,129136576	ENST00000416742	284749	NR_026958	LINC00494
A_33_P3546070	10,2398	10,0646	1,129120923	ENST00000460236	51105	NM_016018	PHF20L1
A_23_P141974	12,378	12,2028	1,129120923	ENST00000520239	7171	NM_003290	TPM4
A_23_P31335	11,6061	11,4309	1,129120923	ENST00000342651	7559	NM_016265	ZNF12
A_24_P162454	3,07257	2,89738	1,129113097	ENST00000373521	645974	NM_001042506	PABPC1L2B
A_21_P0006280	1,90191	1,72675	1,129089618	N/A	101927329	N/A	LOC101927329
A_22_P00003328	3,93698	3,76186	1,129058313	ENST00000427824	N/A	BC045184	N/A
A_23_P205646	10,8097	10,6346	1,129042661	ENST00000013125	11183	NM_198794	MAP4K5
A_19_P00319854	5,15918	4,98413	1,129003532	N/A	197187	NR_024399	SNAI3-AS1
A_23_P161615	9,32981	9,1548	1,12897223	ENST00000534785	23649	AK307831	POLA2
A_21_P0006977	1,90694	1,73193	1,12897223	N/A	N/A	N/A	Inc-ABI1-2
A_22_P00017108	12,8107	12,6357	1,128964405	ENST00000620255	10436	NM_006331	EMG1
A_33_P3364089	10,6622	10,4873	1,128886154	ENST00000381545	28234	NM_019844	SLCO1B3
A_33_P3777584	7,31252	7,13769	1,128831381	ENST00000607742	84947	NM_032861	SERAC1
A_21_P0005527	1,89733	1,7225	1,128831381	N/A	N/A	N/A	Inc-WASL-2
A_23_P120660	18,9505	18,7758	1,128729668	ENST00000343986	6227	NM_001024	RPS21
A_23_P114008	1,90268	1,72803	1,12869055	ENST00000304568	79853	NM_024795	TM4SF20
A_23_P156807	8,84399	8,66936	1,128674903	ENST00000625001	8837	NM_001202519	CFLAR
A_19_P00320872	3,75076	3,57614	1,128667079	N/A	N/A	N/A	Inc-KIAA0020-1
A_33_P3261957	1,89995	1,72533	1,128667079	ENST00000410102	10203	NM_005795	CALCRL
A_33_P3380567	12,8349	12,6603	1,128651433	N/A	81858	NM_030974	SHARPIN
A_33_P3374443	1,79932	1,62475	1,128627963	ENST00000439496	3897	NM_024003	L1CAM
A_22_P00025810	2,3742	2,19967	1,128596672	N/A	N/A	N/A	Inc-SMARCC2-1
A_23_P259823	7,56193	7,38742	1,128581026	ENST00000439947	55006	NM_017910	TRMT61B
A_21_P0014133	1,87579	1,70133	1,128541913	N/A	1400	NM_001288661	CRMP1
A_22_P00020674	2,62261	2,44818	1,128518446	ENST00000580234	6046	N/A	BRD2
A_22_P00024088	3,16785	2,99342	1,128518446	ENST00000435368	N/A	N/A	N/A
A_32_P122754	9,06245	8,88804	1,128502801	ENST00000583159	91283	NM_080655	MSANTD3
A_22_P00016476	1,86453	1,69015	1,128479335	N/A	N/A	N/A	Inc-TMEM85-1

A_33_P3358143	1,8798	1,70543	1,128471513	ENST00000374144	118461	NM_001135196	C10orf71
A_23_P217712	6,17874	6,00441	1,128440226	ENST00000217890	414	NM_001669	ARSD
A_21_P0006591	1,87992	1,70559	1,128440226	ENST00000426699	N/A	N/A	N/A
A_24_P380132	13,0158	12,8415	1,128416761	ENST00000359707	9908	NM_203505	G3BP2
A_33_P3546363	13,3388	13,1645	1,128416761	N/A	400128	BQ950045	TUSC8
A_23_P218841	12,1912	12,0169	1,128416761	ENST00000496726	55768	NM_018297	NGLY1
A_33_P3301541	1,98729	1,813	1,128408939	ENST00000378725	29101	N/A	SSU72
A_21_P0001697	1,81989	1,64567	1,12835419	N/A	N/A	N/A	Inc-PRMT6-2
A_33_P3245674	8,60517	8,43095	1,12835419	ENST00000601887	79673	AK090893	ZNF329
A_21_P0009079	7,78331	7,6091	1,128346369	N/A	N/A	N/A	Inc-GINS2-1
A_24_P43681	10,5458	10,3716	1,128338548	ENST00000498733	28988	NM_014063	DBNL
A_22_P00000677	4,56236	4,38819	1,128315085	N/A	N/A	BE254357	Inc-ADA-1
A_22_P00006880	1,90277	1,7286	1,128315085	N/A	644090	XR_428270	LOC644090
A_33_P3712008	4,20897	4,03482	1,128299443	N/A	84237	AL512720	DKFZp547J222
A_21_P0012919	4,20065	4,02653	1,128275981	N/A	N/A	N/A	XL0C_I2_012162
A_22_P00018421	3,04417	2,87006	1,12826816	ENST00000427319	N/A	N/A	N/A
A_22_P00002919	1,87541	1,70131	1,12826034	N/A	N/A	N/A	Inc-C5orf22-3
A_23_P105144	1,87757	1,70347	1,12826034	ENST00000518447	57758	NM_020974	SCUBE2
A_22_P00015396	5,9435	5,76944	1,128229058	ENST00000573268	100507501	NR_039999	LINC01569
A_24_P40978	9,21228	9,03826	1,128197777	ENST00000528663	50626	NM_138496	CYHR1
A_21_P0003531	1,83309	1,65918	1,12811176	ENST00000503778	N/A	N/A	N/A
A_24_P282108	10,1853	10,0114	1,128103941	ENST00000381638	23140	NM_015113	ZZEF1
A_33_P3349521	13,8625	13,6886	1,128103941	ENST00000520303	51669	NM_016127	SARAF
A_22_P00004177	1,90407	1,7302	1,128080483	N/A	N/A	N/A	Inc-CLIC5-1
A_22_P00025133	2,13539	1,96154	1,128064844	ENST00000454307	N/A	N/A	N/A
A_21_P0007485	1,88158	1,70776	1,128041387	ENST00000546821	101927292	NR_110048	LOC101927292
A_23_P41976	11,0734	10,8996	1,128025749	ENST00000296824	133957	NM_145265	CCDC127
A_21_P0013726	2,02091	1,84718	1,127971018	ENST00000585533	403323	NR_122077	LOC403323
A_23_P367013	3,61914	3,44541	1,127971018	ENST00000332690	338398	NM_177437	TAS2R60
A_22_P00021468	5,18842	5,01473	1,127939745	N/A	N/A	CU688739	Inc-USP24-1
A_33_P3335371	4,38077	4,20711	1,12791629	ENST00000509479	55534	NM_018717	MAML3
A_22_P00001182	8,15214	7,97851	1,127892836	N/A	100287015	NR_040040	LOC100287015
A_22_P00004163	1,89532	1,7217	1,127885018	N/A	51741	XR_243411	WVOX

A_23_P59836	10,3686	10,195	1,127869382	ENST00000262432	55798	NM_018396	METTL2B
A_22_P00017741	1,88367	1,71013	1,127822477	N/A	N/A	N/A	Inc-YBEY-3
A_23_P105957	13,1879	13,0144	1,127791207	ENST00000438964	87	NM_001102	ACTN1
A_33_P3405916	3,9108	3,73733	1,127767756	ENST00000539813	649159	NR_038368	LINC00273
A_23_P119778	8,05879	7,88536	1,127736488	ENST00000409086	57181	NM_020342	SLC39A10
A_22_P00009872	1,90436	1,73094	1,127728671	N/A	N/A	AA971236	Inc-MFAP4-2
A_33_P3347887	1,89857	1,72515	1,127728671	ENST00000525114	221122	NR_026681	LOC221122
A_19_P00804070	2,90715	2,73376	1,127705221	N/A	N/A	N/A	N/A
A_22_P00000492	1,82052	1,64714	1,127697404	ENST00000413159	N/A	N/A	N/A
A_22_P00022982	3,48329	3,30995	1,127666138	N/A	N/A	BX111389	Inc-AP000322.54.1-1
A_22_P00007350	5,85772	5,68441	1,127642689	N/A	N/A	N/A	Inc-GPX1-1
A_21_P0013674	7,26007	7,08677	1,127634873	ENST00000354752	441459	NM_001244752	ANKRD18B
A_19_P00320314	10,3752	10,2019	1,127634873	N/A	643977	N/A	FLJ32255
A_22_P00010178	1,89589	1,72259	1,127634873	N/A	N/A	N/A	Inc-MRPS25-4
A_21_P0001091	2,71117	2,53789	1,127619241	N/A	440556	NR_015440	LINC00982
A_21_P0002551	1,89713	1,7239	1,127580161	N/A	N/A	N/A	Inc-COL6A3-1
A_22_P00010751	15,79	15,6168	1,127556714	ENST00000522282	253943	NM_001277816	YTHDF3
A_23_P36562	9,40299	9,22987	1,127494191	ENST00000552564	3678	NM_002205	ITGA5
A_33_P3232828	12,7204	12,5473	1,12747856	ENST00000339436	6428	NM_003017	SRSF3
A_21_P0002455	2,04727	1,87421	1,1274473	N/A	N/A	N/A	Inc-C1D-3
A_21_P0011106	7,1139	6,94088	1,127416041	ENST00000616042	100507055	N/A	LRCOL1
A_21_P0007035	1,90246	1,72947	1,127392598	N/A	N/A	N/A	Inc-TCERG1L-1
A_23_P399251	2,10095	1,92797	1,127384783	N/A	285622	NR_003719	NBPF22P
A_33_P3366758	1,89881	1,72586	1,12736134	ENST00000377602	338596	NM_001004470	ST8SIA6
A_33_P3283167	12,3661	12,1932	1,127322269	N/A	N/A	N/A	N/A
A_24_P362540	10,4134	10,2405	1,127322269	ENST00000484590	8853	NM_003887	ASAP2
A_33_P3410225	2,73605	2,56316	1,127314455	ENST00000424746	N/A	N/A	N/A
A_33_P3412294	7,40816	7,23529	1,127298828	ENST00000530353	54993	NM_181877	ZSCAN2
A_22_P00005403	1,89682	1,72396	1,127291014	N/A	N/A	BC039425	Inc-DSG1-1
A_33_P3247624	6,74768	6,57484	1,127275386	ENST00000310791	387849	NM_001029874	REP15
A_24_P168760	10,4281	10,2553	1,127244132	ENST00000216044	9567	NM_004286	GTPBP1
A_33_P3245160	6,34108	6,1683	1,127228505	ENST00000571766	N/A	N/A	N/A
A_22_P00001528	1,86041	1,68764	1,127220692	ENST00000582033	N/A	N/A	N/A

A_33_P3327375	2,08011	1,90736	1,127205065	ENST00000606028	N/A	XM_006709942	N/A
A_21_P0008028	1,86442	1,69168	1,127197252	N/A	N/A	N/A	Inc-FGF9-1
A_22_P00017847	7,81651	7,64377	1,127197252	N/A	283050	NR_015429	ZMIZ1-AS1
A_24_P365515	11,5334	11,3607	1,127166	ENST00000419308	3170	NM_021784	FOXA2
A_22_P00023897	3,76385	3,59115	1,127166	N/A	N/A	N/A	Inc-ZBTB25-4
A_32_P186226	7,83225	7,6596	1,127126936	ENST00000455509	10527	NM_006391	IPO7
A_22_P00007684	1,87844	1,70581	1,127111311	ENST00000537827	N/A	N/A	N/A
A_32_P174083	8,56221	8,38959	1,127103499	N/A	54205	NM_018947	CYCS
A_32_P93328	7,18415	7,01156	1,127080061	N/A	100134713	NR_024454	NDUFB2-AS1
A_21_P0013222	4,68347	4,51091	1,127056625	ENST00000441415	N/A	XR_426197	N/A
A_21_P0013054	1,87439	1,70184	1,127048812	N/A	102723944	N/A	LOC102723944
A_22_P00025608	1,903	1,73046	1,127041	N/A	100874018	NR_048576	EPN2-AS1
A_22_P00008313	1,89959	1,72705	1,127041	ENST00000418086	N/A	N/A	N/A
A_22_P00010998	5,20826	5,03572	1,127041	N/A	100507266	NR_037888	STX18-AS1
A_21_P0013297	1,89182	1,7193	1,127025376	ENST00000455947	101928795	N/A	LINC01448
A_22_P00006676	2,8491	2,67668	1,12694726	N/A	N/A	AK057719	Inc-FPGS-1
A_21_P0010377	4,23438	4,06202	1,126900392	N/A	N/A	N/A	Inc-ZMAT5-1
A_21_P0009718	1,87823	1,70589	1,12688477	N/A	N/A	N/A	Inc-HAUS5-2
A_23_P41734	11,3706	11,1983	1,126853527	ENST00000520911	55819	NM_018434	RNF130
A_24_P636318	9,72458	9,5523	1,126837905	ENST00000409185	130074	NM_001009993	FAM168B
A_33_P3257627	5,35595	5,18369	1,126822284	ENST00000367272	N/A	N/A	N/A
A_21_P0014639	1,89659	1,72435	1,126806663	N/A	100507071	XR_110863	LOC100507071
A_23_P126970	12,8868	12,7146	1,126775422	ENST00000482943	10440	NM_006335	TIMM17A
A_24_P101704	2,43028	2,25813	1,126736372	ENST00000550066	4920	NM_004560	ROR2
A_22_P00019077	1,90132	1,72918	1,126728562	N/A	N/A	N/A	Inc-HNRNPU-3
A_21_P0000063	8,51602	8,34389	1,126720752	N/A	29969	NM_001166346	MDFIC
A_33_P3701139	8,58411	8,412	1,126705132	N/A	N/A	N/A	N/A
A_33_P3317850	14,0825	13,9104	1,126697322	ENST00000581220	8780	NM_003831	RIOK3
A_22_P00023177	9,81074	9,63871	1,126642656	N/A	N/A	AK025137	Inc-VTI1A-3
A_33_P3339397	8,47156	8,29955	1,126627038	ENST00000403657	26751	NM_001282687	SH3YL1
A_23_P29036	11,8847	11,7127	1,126619228	ENST00000290219	3460	NM_005534	IFNGR2
A_22_P00003672	12,7243	12,5523	1,126619228	ENST00000491825	56882	DA776403	CDC42SE1
A_32_P163169	9,74695	9,57497	1,12660361	ENST00000430062	7416	NM_003374	VDAC1

A_19_P00320954	7,25089	7,07895	1,126572375	ENST00000418746	101929559	N/A	LINC00211
A_23_P212508	1,93326	1,76133	1,126564566	ENST00000461695	7018	NM_001063	TF
A_23_P143348	10,4478	10,2759	1,12654114	ENST00000483661	58495	AL079276	OVOL2
A_23_P106933	3,1688	2,99692	1,126525523	ENST00000520010	116285	NM_052956	ACSM1
A_33_P3212989	1,85691	1,68506	1,126502098	N/A	285987	NR_015448	DLX6-AS1
A_33_P3288409	1,88619	1,71443	1,126431825	ENST00000538664	143471	NM_144662	PSMA8
A_24_P281975	9,56356	9,39182	1,126416209	ENST00000299314	79158	NM_024312	GNPTAB
A_33_P3252134	7,9484	7,7767	1,126384979	N/A	N/A	N/A	N/A
A_21_P0002518	2,25465	2,08299	1,126353749	N/A	N/A	N/A	Inc-STK39-1
A_22_P00006347	4,2537	4,08207	1,126330328	ENST00000556071	100506412	NR_102701	LINC00871
A_22_P00007709	2,10646	1,93484	1,126322521	N/A	N/A	N/A	Inc-HJURP-2
A_21_P0009450	6,89634	6,72473	1,126314714	N/A	N/A	N/A	Inc-LRRC30-1
A_33_P3374388	2,41758	2,24599	1,1262991	ENST00000609510	N/A	AK126983	N/A
A_22_P00003533	3,3723	3,20074	1,126275679	N/A	N/A	N/A	Inc-CCNE2-1
A_21_P0007389	1,88353	1,71198	1,126267872	N/A	N/A	N/A	Inc-PDGF-5
A_23_P79816	6,37815	6,20661	1,126260066	ENST00000332312	90187	NM_052846	EMILIN3
A_33_P3376518	1,88509	1,71358	1,126236646	ENST00000448198	N/A	N/A	N/A
A_23_P102542	10,2816	10,1101	1,12622884	ENST00000238855	54812	NM_203437	AFTPH
A_33_P3414789	5,12149	4,94999	1,12622884	ENST00000221856	79187	NM_024333	FSD1
A_33_P3316310	7,87348	7,70199	1,126221033	ENST00000475860	130916	NM_182501	MTERF4
A_33_P3218089	6,37509	6,2036	1,126221033	ENST00000541814	100132463	NM_001185149	CLDN24
A_22_P00014497	6,76879	6,59732	1,126205421	N/A	N/A	BC035765	Inc-SHISA9-1
A_23_P307761	7,52759	7,35616	1,126174196	ENST00000279101	81928	NM_031215	CABLES2
A_23_P4754	14,1394	13,968	1,126150778	ENST00000245816	8192	NM_006012	CLPP
A_22_P00004757	1,55763	1,38623	1,126150778	N/A	N/A	N/A	Inc-CTS-1
A_23_P105495	7,05785	6,88646	1,126142972	ENST00000614274	50840	NM_023922	TAS2R14
A_22_P00017382	1,99144	1,82007	1,126127361	N/A	N/A	N/A	Inc-UXS1-3
A_19_P00320780	5,97481	5,80344	1,126127361	ENST00000438867	N/A	N/A	N/A
A_32_P157213	5,77961	5,60824	1,126127361	ENST00000606252	N/A	N/A	N/A
A_33_P3419808	2,36646	2,19512	1,126103944	ENST00000390304	N/A	AF060129	N/A
A_33_P3329378	4,49495	4,32363	1,126088333	ENST00000350110	27255	NM_014461	CNTN6
A_33_P3310070	5,6593	5,488	1,126072722	ENST00000527313	3607	NM_004514	FOXK2
A_33_P3419314	1,84413	1,67286	1,126049306	ENST00000377999	26038	NM_015557	CHD5

A_33_P3365506	1,89202	1,72076	1,126041501	ENST00000513564	N/A	N/A	N/A
A_21_P0003624	1,89576	1,72451	1,126033696	N/A	N/A	N/A	Inc-BMP2K-2
A_23_P348253	3,1294	2,95818	1,126010281	ENST00000317716	222256	NM_152750	CDHR3
A_21_P0012533	2,01791	1,84669	1,126010281	ENST00000454410	101927347	N/A	GRM7-AS3
A_33_P3251421	4,91689	4,74568	1,126002476	ENST00000453638	337977	NM_181619	KRTAP21-1
A_24_P337239	1,89468	1,72349	1,125986867	ENST00000312465	2250	NM_004464	FGF5
A_19_P00316242	3,67232	3,50118	1,125947843	ENST00000504068	101928858	XR_427726	LOC101928858
A_24_P233014	1,86031	1,68921	1,125916626	ENST00000547389	124602	NM_153209	KIF19
A_33_P3215078	14,6914	14,5203	1,125916626	ENST00000351328	1431	NM_004077	CS
A_21_P0011249	1,83945	1,66837	1,125901018	N/A	N/A	N/A	XLOC_I2_004208
A_24_P353300	8,62381	8,45276	1,125877605	ENST00000467301	3985	NM_001031801	LIMK2
A_21_P0005782	1,87331	1,70227	1,125869801	N/A	N/A	N/A	Inc-ERICH1-2
A_33_P3503537	8,17614	8,00516	1,125822979	N/A	285178	AK091571	LOC285178
A_22_P00003960	6,72473	6,55376	1,125815175	ENST00000409719	N/A	AK096990	Inc-CHCHD5-2
A_33_P3209055	3,75532	3,58435	1,125815175	ENST00000624651	N/A	N/A	N/A
A_22_P00001084	1,54302	1,37206	1,125807372	N/A	N/A	BI771921	Inc-ALDH7A1-1
A_23_P334263	8,78431	8,61339	1,125776158	ENST00000542035	123228	NM_145204	SENP8
A_33_P3284029	14,0456	13,8747	1,125760552	ENST00000396192	1434	NM_001316	CSE1L
A_23_P149249	14,1223	13,9514	1,125760552	ENST00000492892	200185	NM_173852	KRTCAP2
A_21_P0001478	1,89219	1,7213	1,125752749	N/A	N/A	N/A	Inc-ID3-1
A_23_P342751	6,5031	6,33223	1,125737142	ENST00000607822	101929344	NR_120426	LINC01198
A_32_P207117	1,85237	1,68154	1,125705931	ENST00000317802	388951	NM_001003937	TSPYL6
A_33_P3298128	6,59265	6,42183	1,125698128	N/A	3709	NM_002223	ITPR2
A_33_P3387911	2,0654	1,89458	1,125698128	ENST00000556703	N/A	N/A	N/A
A_22_P00014473	1,88756	1,71677	1,12567472	N/A	N/A	AA405311	Inc-SHANK2-3
A_21_P0008191	1,86635	1,6956	1,12564351	N/A	N/A	N/A	Inc-SLITRK6-6
A_22_P00010460	7,95139	7,78064	1,12564351	N/A	N/A	N/A	Inc-NADSYN1-1
A_22_P00010535	1,87504	1,70435	1,125596697	N/A	N/A	N/A	Inc-NCKAP1-1
A_33_P3412863	3,2641	3,09345	1,125565489	ENST00000534466	N/A	XM_005276096	N/A
A_33_P3329958	1,89292	1,72227	1,125565489	ENST00000360085	5697	NM_004160	PYY
A_21_P0012953	1,87097	1,70035	1,125542084	ENST00000514637	102723470	N/A	LOC102723470
A_19_P00805950	8,02623	7,85561	1,125542084	N/A	101928673	NR_125960	LOC101928673
A_19_P00322310	1,89503	1,72443	1,125526481	ENST00000504675	100505702	NR_038303	LINC01094

A_21_P0006508	1,87628	1,70572	1,125495275	N/A	N/A	N/A	Inc-ARMCX3-2
A_24_P200000	9,02344	8,85293	1,125456269	ENST00000393107	55240	NM_182915	STEAP3
A_24_P256037	16,343	16,1725	1,125448468	ENST00000479473	N/A	N/A	N/A
A_22_P00013715	7,64601	7,47555	1,125417264	ENST00000559914	283673	N/A	EWSAT1
A_21_P0001172	2,10579	1,9354	1,12536266	ENST00000450546	N/A	N/A	N/A
A_24_P256155	8,17174	8,00143	1,125300258	N/A	390010	NM_001146340	NKX1-2
A_32_P54475	6,64287	6,47257	1,125292458	N/A	N/A	CU676483	N/A
A_33_P3276520	4,47861	4,30831	1,125292458	N/A	N/A	AK123704	N/A
A_33_P3301980	1,97664	1,80638	1,125261259	N/A	N/A	N/A	N/A
A_22_P00024867	8,76478	8,59454	1,12524566	ENST00000450850	N/A	N/A	N/A
A_22_P00023388	1,88518	1,71495	1,12523786	ENST00000548557	101929110	NR_110109	CASC18
A_33_P3416503	8,73894	8,56871	1,12523786	ENST00000534054	254552	NM_181843	NUDT8
A_24_P156748	3,05918	2,88896	1,125230061	ENST00000374276	7780	NM_001004434	SLC30A2
A_21_P0002367	1,88931	1,71911	1,125214462	N/A	N/A	N/A	Inc-WDR69-1
A_23_P109235	12,732	12,5618	1,125214462	ENST00000493399	22913	NM_016732	RALY
A_21_P0013432	6,69499	6,5248	1,125206662	N/A	N/A	N/A	XLOC_I2_013863
A_22_P00024087	1,89763	1,72746	1,125191064	ENST00000428673	N/A	N/A	N/A
A_33_P3230976	9,01666	8,8465	1,125183265	ENST00000369110	5550	NM_002726	PREP
A_22_P00005915	1,88887	1,71876	1,125144269	N/A	100506311	NR_038367	HOTAIRM1
A_33_P3290955	10,5718	10,4017	1,125136471	ENST00000488801	340390	NR_024207	KIAA1875
A_33_P3248987	2,26461	2,09451	1,125136471	ENST00000548615	403284	NM_001005519	OR6C68
A_22_P00000304	1,88012	1,71005	1,125113074	ENST00000451476	100507562	DB451623	LOC100507562
A_23_P303423	5,46655	5,29648	1,125113074	ENST00000264313	57606	NM_020846	SLAIN2
A_33_P3279851	5,32883	5,15877	1,125105276	ENST00000616781	100286979	NR_037931	ANAPC1P1
A_22_P00008715	1,53424	1,3642	1,125089678	ENST00000530150	101409254	NR_102423	LINC00681
A_33_P3275741	5,61963	5,44961	1,125074081	ENST00000498393	8547	AK309540	FCN3
A_24_P106953	10,3698	10,1998	1,125058485	ENST00000497109	80142	NM_025072	PTGES2
A_33_P3353742	1,89053	1,72055	1,125042888	N/A	101929523	XR_252136	LOC101929523
A_24_P237661	6,50069	6,33073	1,125027292	ENST00000486162	9611	NM_001190438	NCOR1
A_33_P3368985	1,88339	1,71344	1,125019494	ENST00000611781	91074	NM_052997	ANKRD30A
A_22_P00007150	10,9016	10,7317	1,124980504	ENST00000610458	10991	NM_006841	SLC38A3
A_22_P00013998	1,86807	1,69817	1,124980504	ENST00000521199	N/A	N/A	N/A
A_19_P00322953	4,36847	4,19872	1,124863544	ENST00000450531	N/A	N/A	N/A



A_23_P105313	12,5503	12,3806	1,12482456	ENST00000424014	1967	NM_001414	EIF2B1
A_21_P0014791	6,09929	5,92959	1,12482456	N/A	N/A	N/A	N/A
A_24_P247536	7,1729	7,00323	1,12480117	ENST00000492686	257415	NM_001040057	FAM133B
A_33_P3419032	1,89538	1,72579	1,124738799	N/A	1740	AK127150	DLG2
A_33_P3374190	6,12944	5,95986	1,124731003	ENST00000368593	3632	NM_005539	INPP5A
A_22_P00002303	3,94253	3,77297	1,124715411	N/A	N/A	BC039543	Inc-C11orf30-1
A_33_P3413808	4,87939	4,70987	1,124684228	ENST00000217074	80336	NM_001124756	PABPC1L
A_23_P130149	10,3172	10,1477	1,124668637	ENST00000518175	2027	NM_001976	ENO3
A_21_P0013639	5,00954	4,84009	1,124629659	N/A	387628	N/A	KGFLP1
A_22_P00016106	4,23694	4,06752	1,124606274	N/A	N/A	N/A	Inc-THSD4-4
A_21_P0006530	2,25341	2,084	1,124598478	N/A	N/A	N/A	Inc-RPS6KA3-2
A_22_P00023458	2,13735	1,96794	1,124598478	ENST00000427035	N/A	AK093194	N/A
A_24_P258955	10,6418	10,4724	1,124590683	ENST00000360385	57693	NM_020933	ZNF317
A_22_P00025102	2,85714	2,68777	1,124567298	ENST00000427950	N/A	N/A	N/A
A_21_P0001721	1,92197	1,75268	1,124504941	N/A	N/A	N/A	Inc-CAMK2N1-2
A_32_P108889	1,87366	1,70438	1,124497146	ENST00000360631	9201	NM_004734	DCLK1
A_22_P00022586	1,89707	1,7278	1,124489352	N/A	N/A	BG199905	Inc-BET3L-1
A_22_P00021154	6,58535	6,41609	1,124481558	N/A	N/A	N/A	Inc-HIST4H4-2
A_22_P00000818	1,8977	1,7285	1,124434793	ENST00000525376	N/A	AF075035	N/A
A_22_P00012010	1,89118	1,72199	1,124426999	N/A	339862	NM_001257177	LOC339862
A_23_P4082	6,42649	6,25734	1,124395823	ENST00000436961	10693	NM_006584	CCT6B
A_33_P3285038	12,1327	11,9636	1,124356856	ENST00000380189	91012	NM_001281731	CERS5
A_22_P00011493	1,85296	1,68386	1,124356856	N/A	N/A	BX098350	Inc-PARP2-1
A_23_P102060	12,1288	11,9597	1,124356856	ENST00000491720	6744	NM_006751	SSFA2
A_24_P196384	6,36516	6,19609	1,124333475	ENST00000357484	348110	NM_001282380	ARPIN
A_32_P89899	1,88614	1,71707	1,124333475	ENST00000295452	2565	NM_173536	GABRG1
A_22_P00025599	1,87117	1,70211	1,124325682	N/A	N/A	AK127472	Inc-ECHDC1-1
A_23_P117437	1,89303	1,724	1,124302303	ENST00000329715	64806	NM_022789	IL25
A_19_P00317631	1,86602	1,69707	1,12423996	N/A	400960	NR_033872	PCBP1-AS1
A_23_P161644	7,57659	7,40767	1,124216582	N/A	10432	NM_006328	RBM14
A_33_P3292028	11,3483	11,1794	1,124200997	ENST00000262960	91039	NM_139159	DPP9
A_19_P00318761	5,25071	5,08194	1,124099701	ENST00000563248	N/A	N/A	N/A
A_33_P3352263	1,88897	1,72021	1,12409191	ENST00000309403	441608	NM_001005469	OR5B3

A_21_P0014573	6,07201	5,90327	1,124076326	N/A	N/A	XR_111287	N/A
A_23_P26358	12,0988	11,9301	1,124045161	ENST00000522480	23049	NM_015092	SMG1
A_24_P243741	1,89083	1,72213	1,124045161	ENST00000398201	53616	NM_021721	ADAM22
A_23_P20732	10,3979	10,2292	1,124045161	ENST00000372146	9329	NM_012204	GTF3C4
A_22_P00002496	3,73532	3,56663	1,12403737	ENST00000567765	N/A	XR_248193	N/A
A_22_P00008532	3,79066	3,62197	1,12403737	N/A	N/A	BG700082	Inc-KCNJ9-1
A_33_P3489646	5,03399	4,86536	1,123990623	ENST00000227163	6688	NM_001080547	SPI1
A_33_P3209096	10,0057	9,83709	1,123975041	ENST00000464088	965	NM_001779	CD58
A_33_P3316800	11,4418	11,2732	1,123967251	ENST00000242057	196	NM_001621	AHR
A_24_P15062	6,02659	5,858	1,12395946	N/A	57474	NM_020714	ZNF490
A_33_P3323019	6,51109	6,34255	1,123920507	ENST00000451300	N/A	N/A	N/A
A_22_P00002697	5,06173	4,89319	1,123920507	N/A	N/A	BX648392	Inc-C2-2
A_21_P0000711	4,34341	4,17492	1,123881556	N/A	100506462	NR_037969	SRD5A3-AS1
A_22_P00004189	1,89399	1,72555	1,123842606	ENST00000504409	100507616	XR_424398	LOC100507616
A_22_P00023317	1,8614	1,69298	1,123827026	ENST00000435813	101928687	NR_120641	LINC01468
A_22_P00015124	4,42139	4,25303	1,123780288	N/A	N/A	DA967691	Inc-SNX24-1
A_33_P3370930	6,54851	6,38016	1,123772499	ENST00000393559	3912	N/A	LAMB1
A_22_P00020493	3,82498	3,65663	1,123772499	ENST00000262160	4087	N/A	SMAD2
A_33_P3255587	1,89651	1,72819	1,123749131	ENST00000414562	144817	NR_038433	LINC00330
A_33_P3243337	15,4148	15,2465	1,123733553	ENST00000262947	56005	NM_019107	MYDGF
A_22_P00020000	2,19802	2,02977	1,123694608	ENST00000444210	N/A	N/A	N/A
A_23_P24345	13,5163	13,3481	1,123655664	ENST00000354884	91252	NM_152264	SLC39A13
A_33_P3334043	4,80084	4,63269	1,123616722	N/A	N/A	N/A	N/A
A_33_P3335511	1,88279	1,71465	1,123608933	ENST00000461387	83416	NM_001195388	FCRL5
A_33_P3289144	9,88479	9,71671	1,123562205	ENST00000473228	N/A	N/A	N/A
A_33_P3354569	10,1532	9,98519	1,123507691	ENST00000310454	2820	NM_001083112	GPD2
A_22_P00022589	1,89103	1,72302	1,123507691	ENST00000451328	N/A	N/A	N/A
A_23_P397347	5,54177	5,37381	1,123468753	ENST00000436788	254394	NM_153255	MCM9
A_21_P0000942	4,85298	4,68505	1,123445392	N/A	N/A	N/A	Inc-RER1-1
A_33_P3410206	15,5046	15,3367	1,123422031	ENST00000614968	9605	NM_004913	VPS9D1
A_21_P0009448	1,56641	1,39857	1,12337531	N/A	N/A	N/A	Inc-AP001496.1-10
A_33_P3421984	9,95208	9,78428	1,123344164	ENST00000467153	23553	NM_012269	HYAL4
A_23_P102000	1,96314	1,79534	1,123344164	ENST00000241393	7852	NM_001008540	CXCR4

A_22_P00008162	2,16454	1,99678	1,123313018	ENST00000520426	N/A	N/A	N/A
A_23_P136405	5,55954	5,39181	1,12328966	ENST00000334409	5133	NM_005018	PDCD1
A_33_P3324415	1,80806	1,64036	1,123266302	ENST00000534734	N/A	JF968459	N/A
A_23_P120254	11,3747	11,207	1,123266302	ENST00000419235	56940	NM_020185	DUSP22
A_33_P3280784	7,7309	7,56322	1,12325073	ENST00000372277	80195	NM_025125	TMEM254
A_22_P00010985	2,20539	2,03771	1,12325073	ENST00000439974	3688	N/A	ITGB1
A_21_P0002820	1,85705	1,6894	1,123227373	ENST00000417384	N/A	N/A	N/A
A_21_P0002497	6,34639	6,17874	1,123227373	N/A	N/A	N/A	Inc-C2orf76-1
A_24_P383050	1,88307	1,71547	1,123188446	ENST00000294445	148930	NM_001097611	KNCN
A_23_P156327	15,7172	15,5496	1,123188446	ENST00000504411	7045	NM_000358	TGFBI
A_33_P3256355	6,76738	6,59981	1,12316509	N/A	N/A	N/A	N/A
A_21_P0014810	1,86423	1,69666	1,12316509	ENST00000485835	N/A	AK055358	N/A
A_21_P0009625	6,97742	6,80986	1,123157305	ENST00000589930	100996324	NR_110763	LOC100996324
A_22_P00005968	3,36561	3,19807	1,123141735	N/A	N/A	N/A	Inc-EYS-1
A_21_P0008828	5,30119	5,13368	1,12311838	N/A	N/A	N/A	Inc-C2CD4A-5
A_23_P158096	12,4591	12,2916	1,123110595	ENST00000468565	85301	NM_032888	COL27A1
A_33_P3262089	4,6698	4,50231	1,12310281	ENST00000412796	26492	NM_001291438	OR8G2
A_24_P83379	7,77243	7,60498	1,123071672	ENST00000426414	23001	AK092019	WDFY3
A_21_P0008050	1,83054	1,66312	1,123048318	N/A	N/A	N/A	Inc-UFM1-1
A_21_P0004291	1,87174	1,70432	1,123048318	N/A	N/A	N/A	Inc-GRAMD3-1
A_22_P00015646	4,80035	4,63294	1,123040534	N/A	N/A	AK095652	Inc-SUSD1-1
A_21_P0013296	1,89438	1,727	1,123017181	N/A	N/A	N/A	XLOC_I2_013783
A_23_P353574	6,68713	6,51979	1,122986045	ENST00000493790	140609	NM_133494	NEK7
A_21_P0009713	1,89241	1,72509	1,122970477	N/A	N/A	N/A	Inc-KCTD15-1
A_21_P0012329	3,53549	3,36818	1,122962693	N/A	N/A	N/A	XLOC_I2_009441
A_23_P97021	10,5622	10,3949	1,12295491	ENST00000246314	192669	NM_024852	AGO3
A_22_P00016046	1,87638	1,70913	1,122915992	N/A	N/A	N/A	Inc-TGFBRAP1-5
A_22_P00008255	1,88796	1,72073	1,122900425	N/A	N/A	N/A	Inc-IRS2-3
A_33_P3247372	6,39929	6,23212	1,122853726	ENST00000588424	N/A	AK124064	N/A
A_22_P00001740	1,84955	1,6824	1,12283816	ENST00000450854	N/A	N/A	N/A
A_21_P0010380	3,41694	3,24984	1,122799246	ENST00000450365	N/A	N/A	N/A
A_24_P413884	9,58311	9,41602	1,122791463	ENST00000233505	1058	NM_001809	CENPA
A_22_P00000650	6,4202	6,25317	1,122744769	N/A	N/A	N/A	Inc-ACSS3-2

A_33_P3348787	1,87766	1,71064	1,122736986	ENST00000505736	N/A	N/A	N/A
A_22_P00007292	4,95051	4,78355	1,122690294	N/A	N/A	N/A	Inc-GPR27-1
A_23_P211056	7,86863	7,70167	1,122690294	ENST00000497873	94104	NM_013329	PAXBP1
A_22_P00009565	1,8594	1,69246	1,12267473	N/A	N/A	N/A	Inc-MAP3K9-2
A_33_P3252333	16,9787	16,8118	1,122643604	ENST00000577988	26851	NR_003271	SNORD3B-1
A_33_P3330666	6,40139	6,23454	1,122604696	ENST00000501888	730971	AK094096	FLJ36777
A_22_P00016718	9,4895	9,32268	1,122581353	N/A	N/A	N/A	Inc-TRAPPC12-3
A_33_P3312030	9,8263	9,65949	1,122573572	ENST00000507296	N/A	N/A	N/A
A_33_P7717144	6,7149	6,5481	1,122565791	N/A	N/A	AF238323	Inc-RNF39-4
A_22_P00014525	1,87661	1,70982	1,12255801	N/A	100874029	NR_046728	CFAP44-AS1
A_24_P89413	8,19884	8,03213	1,122495764	ENST00000376656	56658	NM_021253	TRIM39
A_21_P0003043	1,86154	1,69484	1,122487983	N/A	N/A	N/A	Inc-MBNL1-1
A_33_P3296308	11,3264	11,1597	1,122487983	ENST00000382247	54876	NM_017741	DCAF16
A_33_P3319900	6,20969	6,043	1,122480203	N/A	23574	NR_026881	PRG1
A_33_P3423185	1,87971	1,71306	1,122449081	N/A	102725171	XR_432995	LOC102725171
A_33_P3375657	3,69132	3,52469	1,122433521	N/A	N/A	N/A	N/A
A_33_P3785051	2,84935	2,68272	1,122433521	ENST00000486180	100130771	BC062748	EFCAB10
A_33_P3257125	1,70322	1,53661	1,122417961	ENST00000409678	147111	NM_178493	NOTUM
A_22_P00025214	5,0611	4,89449	1,122417961	ENST00000438148	N/A	N/A	N/A
A_21_P0002662	1,87896	1,71244	1,122347943	N/A	N/A	N/A	Inc-VPS54-1
A_23_P107036	12,3306	12,1641	1,122332384	ENST00000577419	8834	NM_003876	TMEM11
A_23_P38482	11,0564	10,8899	1,122332384	ENST00000320316	79142	NM_024297	PHF23
A_22_P00020834	3,68158	3,51511	1,122309046	ENST00000418770	29994	N/A	BAZ2B
A_23_P502343	6,3117	6,14524	1,122301267	ENST00000350009	80332	NM_025220	ADAM33
A_24_P188800	4,35422	4,18778	1,122285708	ENST00000339875	55016	NM_017923	mar-01
A_21_P0014335	1,86321	1,6968	1,122262371	N/A	N/A	AK057367	Inc-C16orf95-1
A_22_P00024452	3,38598	3,21958	1,122254592	N/A	N/A	N/A	Inc-AKT1-2
A_21_P0006134	1,83685	1,67045	1,122254592	N/A	N/A	N/A	Inc-TEK-2
A_33_P3226542	11,3166	11,1502	1,122254592	ENST00000580533	26851	NR_003271	SNORD3B-1
A_22_P00011575	3,00632	2,83996	1,122223477	ENST00000514802	N/A	XR_427505	N/A
A_22_P00014578	2,09199	1,92567	1,122192363	N/A	100874222	NR_047001	RNF219-AS1
A_21_P0006534	1,85342	1,68711	1,122184585	N/A	N/A	N/A	Inc-FOXP3-1
A_21_P0010944	7,3455	7,17923	1,122153472	N/A	N/A	N/A	XLOC_I2_001953

A_32_P33083	7,17575	7,0095	1,122137915	ENST00000317103	51480	NM_016378	VCX2
A_22_P00025491	1,81126	1,64509	1,122075693	N/A	N/A	CA394584	Inc-PANK3-4
A_24_P290163	8,3915	8,22535	1,122060137	ENST00000337787	641298	AL834164	SMG1P1
A_24_P12539	9,67512	9,50902	1,12202125	ENST00000304056	25948	NM_015483	KBTBD2
A_33_P3302687	6,53543	6,36933	1,12202125	ENST00000458711	55739	NM_001242881	CARKD
A_22_P00000440	1,86987	1,70382	1,121982365	N/A	N/A	N/A	Inc-AC079135.1.1-1
A_22_P00014897	10,6354	10,4694	1,121943481	N/A	N/A	N/A	Inc-SLC7A6OS-2
A_33_P3356502	12,3618	12,1958	1,121943481	ENST00000272519	5899	NM_002881	RALB
A_23_P165657	12,9618	12,7958	1,121943481	ENST00000490674	6574	NM_005415	SLC20A1
A_22_P00014553	1,88416	1,7182	1,121912374	ENST00000423433	N/A	N/A	N/A
A_22_P00011964	1,87314	1,70721	1,121889045	N/A	N/A	AY726584	Inc-PKP2-1
A_33_P3382236	6,72329	6,55744	1,121826836	ENST00000392901	57698	NM_001258299	KIAA1598
A_22_P00003227	1,88265	1,7168	1,121826836	ENST00000567127	N/A	N/A	N/A
A_19_P00804859	5,39258	5,22677	1,121795733	N/A	407006	NR_029635	MIR221
A_33_P3263523	11,2019	11,0361	1,121787957	ENST00000492757	79169	NM_024319	C1orf35
A_23_P253221	11,9769	11,8111	1,121787957	ENST00000525839	50649	NM_032995	ARHGEF4
A_21_P0008427	1,88957	1,7238	1,12176463	ENST00000553386	N/A	N/A	N/A
A_33_P3411612	5,43463	5,26886	1,12176463	ENST00000593461	100130519	N/A	TMEM221
A_22_P00008429	5,89952	5,73377	1,121749079	N/A	100874028	NR_046723	SGOL1-AS1
A_33_P3383189	8,8594	8,69373	1,121686878	ENST00000394967	100131390	NM_001145250	SP9
A_23_P29365	8,857	8,69138	1,121648004	ENST00000477973	23429	NM_012234	RYBP
A_23_P79661	9,79642	9,6308	1,121648004	ENST00000376300	54520	NM_019044	CCDC93
A_33_P3280461	8,23323	8,06765	1,121616906	ENST00000354618	9967	NM_005119	THRAP3
A_21_P0003999	3,42663	3,26106	1,121609131	N/A	257396	N/A	LOC257396
A_22_P00000687	1,88497	1,71947	1,121554712	N/A	N/A	DA422316	Inc-ADAM19-1
A_33_P3235531	1,60759	1,44215	1,121508069	N/A	912	NM_001766	CD1D
A_21_P0002684	7,88101	7,71558	1,121500295	ENST00000295549	375295	N/A	LINC01116
A_21_P0001918	1,86589	1,70052	1,121453654	ENST00000412593	N/A	N/A	N/A
A_33_P3218316	2,00992	1,84459	1,121422561	ENST00000335523	342865	NM_001146339	VSTM2B
A_33_P3232682	6,45795	6,29268	1,121375924	N/A	N/A	N/A	Inc-AFG3L2-1
A_33_P3306267	3,43644	3,27119	1,121360378	ENST00000481563	5080	NM_000280	PAX6
A_21_P0008019	3,5568	3,39156	1,121352605	N/A	N/A	N/A	Inc-GPR183-3
A_21_P0006318	3,04732	2,88211	1,121329288	N/A	N/A	N/A	Inc-DENND1A-1

A_33_P3306510	10,6867	10,5215	1,121321515	ENST00000262077	9972	NM_001278209	NUP153
A_22_P00011185	4,18398	4,01878	1,121321515	ENST00000431997	102724000	N/A	LOC102724000
A_22_P00019137	1,94292	1,77775	1,121298198	N/A	144742	NR_024246	LINC00934
A_33_P3345314	4,25403	4,0889	1,12126711	ENST00000477786	55734	NM_199427	ZFP64
A_22_P00007655	5,61815	5,45303	1,121259338	ENST00000562573	N/A	N/A	N/A
A_33_P3378531	17,7786	17,6135	1,121243794	ENST00000299353	57412	NM_020682	AS3MT
A_33_P3250740	1,88747	1,72239	1,12122825	ENST00000441525	139425	NM_001017930	DCAF8L1
A_22_P00001397	1,88977	1,72469	1,12122825	N/A	101928937	NR_110095	LOC101928937
A_33_P3299619	1,89096	1,72591	1,121204935	ENST00000373686	26737	NM_001005236	OR1L1
A_33_P3325753	7,20737	7,04233	1,121197164	ENST00000406386	11078	NM_001039141	TRIOBP
A_22_P00023092	3,91229	3,74726	1,121189392	N/A	N/A	N/A	Inc-IGFL3-3
A_33_P3377744	1,87618	1,71119	1,121158307	N/A	N/A	AK000950	N/A
A_33_P3299232	5,08102	4,91608	1,121119451	ENST00000390289	96610	NR_027293	BMS1P20
A_22_P00009028	6,41585	6,25091	1,121119451	N/A	100131193	NR_024580	CCDC183-AS1
A_22_P00009040	9,20999	9,04506	1,121111168	ENST00000412797	N/A	XM_006710560	N/A
A_21_P0014060	3,81571	3,65078	1,121111168	ENST00000484368	5279	XR_426864	PIGC
A_23_P71440	13,1381	12,9732	1,121088367	ENST00000405786	51125	NM_001002296	GOLGA7
A_21_P0012415	3,99306	3,82822	1,121041744	N/A	N/A	N/A	XLOC_I2_010013
A_32_P102252	11,4001	11,2353	1,121010662	N/A	N/A	N/A	N/A
A_23_P56798	11,0536	10,8889	1,120932962	ENST00000272067	52	NM_004300	ACP1
A_21_P0010070	2,27164	2,10698	1,120901884	N/A	N/A	N/A	Inc-TCFL5-3
A_23_P202520	15,4679	15,3033	1,120855268	ENST00000369252	3983	NM_001003408	ABLIM1
A_33_P3244424	6,23953	6,07498	1,120816423	N/A	6635	NM_003094	SNRPE
A_33_P3231363	5,64898	5,48444	1,120808654	ENST00000424861	6788	AK075229	STK3
A_33_P3217364	1,87721	1,71271	1,120777579	ENST00000332857	727830	NM_001083124	SPATA31A3
A_21_P0010929	1,83791	1,67341	1,120777579	N/A	N/A	N/A	XLOC_I2_001772
A_33_P3243454	1,87859	1,71412	1,120754273	ENST00000341415	388555	NM_207393	IGFL3
A_24_P59735	1,88426	1,71983	1,1207232	ENST00000400405	283514	NM_198849	SIAH3
A_23_P500300	8,28971	8,1253	1,120707663	ENST00000376688	89870	NM_033229	TRIM15
A_23_P80032	9,61503	9,45062	1,120707663	ENST00000343380	1869	NM_005225	E2F1
A_23_P94501	16,2587	16,0943	1,120699895	ENST00000376911	301	NM_000700	ANXA1
A_22_P00006521	1,87323	1,70887	1,120668823	N/A	283089	N/A	WDR11-AS1
A_32_P478512	1,82628	1,66194	1,120653287	ENST00000562624	26082	NR_026771	DKFZP434L187

A_33_P3366733	1,86754	1,70322	1,120637752	N/A	N/A	DB511925	N/A
A_33_P3240258	15,8467	15,6824	1,120622217	ENST00000237530	6185	NM_002951	RPN2
A_23_P98167	10,6691	10,5048	1,120622217	ENST00000227471	81622	NM_030930	UNC93B1
A_33_P3384694	5,33822	5,17393	1,120614449	ENST00000510773	N/A	N/A	N/A
A_33_P3280030	9,77483	9,61057	1,120591147	ENST00000359204	118924	NM_145246	FRA10AC1
A_23_P54447	6,06908	5,90494	1,120497943	N/A	81698	NR_026813	LINC00597
A_24_P15502	14,9796	14,8155	1,120466876	ENST00000522529	N/A	N/A	N/A
A_22_P00012009	1,84127	1,67717	1,120466876	ENST00000449613	N/A	N/A	N/A
A_22_P00009714	1,88377	1,71968	1,12045911	N/A	N/A	AK057936	Inc-MCF2L-1
A_22_P00005837	1,88632	1,72225	1,120443577	ENST00000411989	400866	NR_027066	LINC00114
A_22_P00004540	1,86582	1,70176	1,120435811	N/A	N/A	AK123984	Inc-CREG1-3
A_21_P0008633	1,882	1,71794	1,120435811	N/A	N/A	N/A	Inc-MAPK6-11
A_33_P3296366	9,8259	9,66189	1,12039698	ENST00000342480	50512	NM_015720	PODXL2
A_23_P119627	14,6881	14,5241	1,120389214	ENST00000502506	51079	NM_015965	NDUFA13
A_22_P00017145	3,77011	3,60622	1,120303792	ENST00000565563	N/A	BC017738	N/A
A_33_P3397835	1,88168	1,71779	1,120303792	ENST00000441065	442247	NM_001013734	RFPL4B
A_33_P3395947	4,17318	4,00932	1,120280496	ENST00000563926	3566	NM_001257407	IL4R
A_21_P0012734	1,86391	1,70008	1,120257201	N/A	N/A	N/A	Inc-MMRN1-2
A_22_P00001157	2,80105	2,63723	1,120249436	N/A	N/A	N/A	Inc-AMOTL2-2
A_33_P3351351	4,92092	4,75712	1,120233906	ENST00000382795	9639	BC040474	ARHGEF10
A_21_P0007034	6,57632	6,41256	1,120202847	N/A	N/A	N/A	Inc-EBF3-4
A_33_P3385002	3,34497	3,18122	1,120195082	ENST00000415014	2002	NM_001114123	ELK1
A_24_P383901	13,3238	13,1601	1,12015626	ENST00000423293	N/A	N/A	N/A
A_24_P228550	1,84843	1,68473	1,12015626	ENST00000217133	81027	NM_030773	TUBB1
A_23_P154972	1,88869	1,72505	1,120109675	ENST00000620282	129025	NM_080740	ZNF280A
A_23_P139388	9,57752	9,41388	1,120109675	ENST00000480887	51773	NM_016578	RSF1
A_33_P3316913	5,45303	5,28941	1,120094147	ENST00000605179	N/A	N/A	N/A
A_33_P3382267	6,29998	6,13638	1,120078619	ENST00000313084	9919	NM_014866	SEC16A
A_21_P0013169	4,22163	4,05806	1,120055328	N/A	N/A	N/A	XL0C_I2_013267
A_33_P3404189	6,70997	6,54641	1,120047565	ENST00000532255	727957	NM_032450	MROH1
A_22_P00000535	2,69543	2,53189	1,120032038	ENST00000409910	N/A	N/A	N/A
A_33_P3556154	1,88444	1,7209	1,120032038	ENST00000536422	283435	XR_247884	LOC283435
A_33_P3313555	10,441	10,2775	1,120000984	ENST00000471658	55269	NM_001042414	PSPC1

A_23_P19182	5,0526	4,8891	1,120000984	ENST00000378339	51308	NM_016606	REEP2
A_21_P0010150	1,87966	1,71624	1,11993888	ENST00000418942	N/A	N/A	N/A
A_22_P00023585	6,50347	6,34006	1,119931117	ENST00000505627	101929610	XR_242476	LOC101929610
A_22_P00002412	4,89829	4,73488	1,119931117	ENST00000553613	N/A	N/A	N/A
A_33_P3364028	1,87476	1,71136	1,119923354	ENST00000608484	N/A	AB529254	N/A
A_22_P00002251	2,81369	2,65032	1,119900066	N/A	N/A	N/A	Inc-C10orf125-1
A_22_P00012286	3,68013	3,51676	1,119900066	N/A	101930611	XR_250546	LOC101930611
A_33_P3422947	1,88842	1,72511	1,119853492	ENST00000389394	1768	NM_001370	DNAH6
A_33_P3359306	12,9779	12,8146	1,11984573	ENST00000552286	9112	NM_004689	MTA1
A_32_P194246	10,4513	10,288	1,11984573	ENST00000409790	23274	NM_015226	CLEC16A
A_22_P00014860	9,12297	8,95968	1,119837968	ENST00000436294	N/A	N/A	N/A
A_33_P3389872	1,88693	1,72366	1,119822444	N/A	120892	AK127729	LRRK2
A_23_P61674	8,13163	7,96838	1,11980692	ENST00000611733	57396	NM_020666	CLK4
A_22_P00006591	1,66088	1,49766	1,119783634	ENST00000565336	N/A	BC041977	N/A
A_33_P3298587	12,7611	12,5979	1,119768111	ENST00000438103	22904	NM_014963	SBNO2
A_33_P3277679	3,36152	3,19832	1,119768111	N/A	N/A	N/A	N/A
A_32_P75357	3,12352	2,96033	1,119760349	ENST00000358095	57565	BC021267	KLHL14
A_21_P0009452	1,59158	1,4284	1,119752588	N/A	N/A	N/A	Inc-NDUFV2-1
A_33_P3397399	8,2536	8,09042	1,119752588	ENST00000342558	5532	NM_001289969	PPP3CB
A_22_P00015761	1,87952	1,71636	1,119737065	ENST00000584566	N/A	N/A	N/A
A_22_P00006363	1,88729	1,72414	1,119729303	ENST00000452366	N/A	N29049	N/A
A_21_P0007546	7,76968	7,60653	1,119729303	ENST00000551021	100288798	NR_125381	LOC100288798
A_24_P208737	7,41716	7,25403	1,119713781	N/A	100126793	NR_073566	GHRLOS
A_24_P943193	8,95702	8,79393	1,119682736	ENST00000409936	9581	NM_006036	PREPL
A_22_P00009458	1,84584	1,68276	1,119674975	ENST00000518701	N/A	N/A	N/A
A_23_P375372	1,86857	1,70551	1,119659453	ENST00000403106	2243	NM_021871	FGA
A_33_P3441583	15,0505	14,8875	1,119612889	N/A	N/A	BM453041	N/A
A_21_P0010596	9,88179	9,7188	1,119605128	ENST00000453464	401934	N/A	RNF223
A_33_P3404221	6,656	6,49303	1,119589607	N/A	N/A	N/A	N/A
A_23_P250571	7,84177	7,67885	1,119550806	ENST00000514595	1657	NM_005509	DMXL1
A_33_P3417820	11,7908	11,6279	1,119535286	ENST00000611699	79159	NM_024313	NOL12
A_24_P234856	4,67137	4,50848	1,119527526	ENST00000297156	819	NM_001745	CAMLG
A_23_P138253	11,7749	11,6121	1,119457688	ENST00000495554	26097	NM_015607	CHTOP



A_23_P152136	11,4103	11,2475	1,119457688	ENST00000328514	64785	NM_022770	GIN53
A_21_P0004209	1,86942	1,70663	1,119449929	N/A	N/A	N/A	Inc-IRX1-4
A_33_P3286036	2,22931	2,06654	1,11943441	ENST00000395264	360200	AB109390	TMPRSS9
A_33_P3291567	6,30116	6,1384	1,119426651	ENST00000307180	203062	NM_145003	TSNARE1
A_23_P65609	8,67532	8,51259	1,119403373	ENST00000434192	2957	NM_015859	GTF2A1
A_21_P0014772	1,88239	1,71971	1,119364578	N/A	N/A	N/A	N/A
A_33_P3347343	5,15946	4,99678	1,119364578	ENST00000358653	79839	NM_001093729	CCDC102B
A_22_P00005502	1,87575	1,71308	1,119356819	N/A	100874194	NR_046533	CLDN10-AS1
A_23_P159741	8,98264	8,82005	1,119294751	ENST00000342274	54880	NM_017745	BCOR
A_33_P3393013	1,88576	1,72317	1,119294751	ENST00000485578	91461	N/A	PKDCC
A_33_P3313685	2,25444	2,09187	1,119279234	N/A	100131821	AK123052	LOC100131821
A_21_P0013333	7,33659	7,17405	1,11925596	ENST00000443595	222234	NM_001145268	FAM185A
A_22_P00024399	1,85769	1,69517	1,119240443	N/A	N/A	N/A	Inc-PGBD5-2
A_23_P157628	5,28293	5,12048	1,119186139	ENST00000302247	1673	NM_004942	DEFB4A
A_21_P0008366	1,86652	1,70409	1,119170624	N/A	N/A	N/A	Inc-RP11-322L20.1.1-7
A_33_P3305093	6,80689	6,6445	1,119139594	ENST00000403903	100125288	NM_001103167	ZGLP1
A_22_P00016060	3,51584	3,35347	1,11912408	ENST00000438736	N/A	N/A	N/A
A_33_P3395738	9,64419	9,48185	1,119100808	N/A	9564	AK127004	BCAR1
A_33_P3554053	7,47232	7,30999	1,119093052	N/A	751580	BQ009527	LINC00106
A_22_P00010840	2,29625	2,13395	1,119069781	N/A	101927272	NR_110908	LOC101927272
A_21_P0006539	1,80683	1,64468	1,118953435	N/A	N/A	N/A	Inc-RLIM-1
A_21_P0013100	7,83411	7,67196	1,118953435	N/A	N/A	N/A	XL0C_I2_013131
A_21_P0003313	1,88131	1,7192	1,118922411	N/A	730971	N/A	FLJ36777
A_23_P252748	10,3308	10,1687	1,118914656	ENST00000526601	7748	NM_007152	ZNF195
A_21_P0002587	1,84281	1,68072	1,1189069	N/A	N/A	N/A	Inc-RASGRP3-5
A_21_P0000570	4,3854	4,22333	1,118891389	N/A	646023	NR_028483	ADORA2A-AS1
A_33_P3226735	4,32385	4,16181	1,118868122	N/A	7955	NR_026876	RNF217-AS1
A_33_P3329255	7,59134	7,42933	1,118844856	ENST00000398701	8509	BC018681	NDST2
A_21_P0014220	1,88453	1,72255	1,118821591	ENST00000518392	N/A	XR_108904	N/A
A_23_P209694	9,16405	9,00209	1,118806081	ENST00000414060	64895	NM_022894	PAPOLG
A_21_P0004691	3,24878	3,08686	1,118775061	ENST00000434437	N/A	N/A	N/A
A_21_P0000086	5,09837	4,93656	1,118689762	ENST00000545875	2802	NM_001172557	GOLGA3
A_23_P42507	9,51202	9,3503	1,118619977	ENST00000340881	85313	NM_139126	PPIL4

A_23_P207600	11,3349	11,1732	1,11860447	ENST00000469475	5717	NM_002815	PSMD11
A_24_P373768	6,5235	6,36188	1,118542443	ENST00000585889	2696	NM_000164	GIPR
A_22_P00006436	1,91732	1,75572	1,118526937	N/A	N/A	N/A	Inc-FBXO7-2
A_23_P69586	12,4155	12,2539	1,118526937	ENST00000500085	2195	NM_005245	FAT1
A_33_P3395651	4,06628	3,90472	1,118495925	ENST00000611914	56110	NM_032054	PCDHGA5
A_22_P00010310	7,00655	6,84499	1,118495925	ENST00000534584	101927503	XR_428869	LOC101927503
A_22_P00022911	6,35969	6,19814	1,118488172	N/A	N/A	N/A	Inc-GATAD1-2
A_33_P3230090	10,2857	10,1242	1,118449409	ENST00000393085	767558	NM_001128619	LUZP6
A_33_P3414242	6,52661	6,36516	1,118410647	ENST00000396704	4340	NM_001008229	MOG
A_33_P3290235	6,83065	6,66928	1,118348631	ENST00000375671	149950	NR_034152	LOC149950
A_21_P0001337	5,1542	4,99284	1,118340879	N/A	N/A	N/A	Inc-LRRC8D-2
A_33_P3306192	8,45576	8,29441	1,118333127	ENST00000432196	390594	NM_001101362	KBTBD13
A_21_P0011166	1,65722	1,49588	1,118325376	N/A	N/A	N/A	XLOC_I2_003877
A_21_P0000311	5,15037	4,98906	1,118302121	N/A	677801	NR_002955	SNORA14A
A_23_P118516	11,2483	11,087	1,11829437	ENST00000482741	51030	NM_016078	TVP23B
A_23_P41246	10,5619	10,4006	1,11829437	ENST00000507272	10227	NM_001120	MFS10
A_23_P207507	12,0249	11,8637	1,118216858	ENST00000503337	8714	NM_003786	ABCC3
A_21_P0000777	1,84571	1,68451	1,118216858	N/A	100506071	NR_038356	LOC100506071
A_24_P912041	1,80074	1,63959	1,118178104	ENST00000429771	N/A	N/A	N/A
A_21_P0001307	5,3338	5,17267	1,118162603	N/A	N/A	N/A	Inc-FGGY-6
A_23_P211561	6,59072	6,42961	1,118147102	ENST00000401548	150365	NM_152513	MEI1
A_23_P431430	1,87219	1,71115	1,118092851	ENST00000378252	N/A	BX281604	N/A
A_23_P87560	12,1313	11,9703	1,118061851	ENST00000256015	694	NM_001731	BTG1
A_33_P3261293	2,41712	2,25612	1,118061851	ENST00000528188	27122	NM_015881	DKK3
A_33_P3375026	2,40653	2,24561	1,117999854	N/A	N/A	N/A	N/A
A_22_P00002802	6,96059	6,79968	1,117992105	ENST00000414141	100133985	NR_024444	LOC100133985
A_24_P271049	8,20978	8,04896	1,117922363	ENST00000577910	497661	NM_001035005	C18orf32
A_24_P227831	10,3638	10,203	1,117906865	ENST00000399410	4363	NM_004996	ABCC1
A_23_P211064	7,38889	7,22809	1,117906865	ENST00000472588	94104	NM_013329	PAXBP1
A_21_P0001543	1,88189	1,72114	1,117868122	N/A	N/A	N/A	Inc-BARHL2-2
A_21_P0006561	1,88436	1,72364	1,117844877	N/A	N/A	N/A	Inc-ATP6AP2-2
A_23_P120472	3,49311	3,3324	1,117837129	ENST00000201031	7022	NM_003222	TFAP2C
A_22_P00000614	4,28493	4,12423	1,117829381	N/A	100131067	NR_034123	CKMT2-AS1

A_32_P34444	11,1615	11,0008	1,117829381	ENST00000257209	80206	NM_025135	FHOD3
A_23_P153026	12,4864	12,3257	1,117829381	ENST00000390015	2548	NM_000152	GAA
A_33_P3309054	10,1599	9,9992	1,117829381	N/A	N/A	AB209400	N/A
A_32_P68148	10,9896	10,8289	1,117829381	N/A	148203	NR_027130	ZNF738
A_24_P98161	3,90818	3,74749	1,117821633	ENST00000394507	889	NM_194455	KRIT1
A_33_P3252228	2,56226	2,40158	1,117813884	ENST00000378475	140767	N/A	NRSN1
A_33_P3281867	5,65791	5,49729	1,117767397	ENST00000605170	N/A	N/A	N/A
A_33_P3424507	6,15775	5,99718	1,117728659	ENST00000380383	256892	NM_001004752	OR51F1
A_22_P00020501	7,16668	7,00612	1,117720911	ENST00000563607	5261	NM_001172432	PHKG2
A_33_P3220160	6,83184	6,67128	1,117720911	N/A	5880	AK096924	RAC2
A_23_P160318	10,9878	10,8273	1,117674427	ENST00000488128	1307	NM_001856	COL16A1
A_33_P3334895	5,27406	5,11359	1,117651186	ENST00000330684	2903	NM_001134407	GRIN2A
A_22_P00007596	3,54658	3,38616	1,117612452	N/A	N/A	N/A	Inc-HDDC3-3
A_23_P217737	4,95509	4,7947	1,117589212	ENST00000343533	538	NM_000052	ATP7A
A_23_P133375	9,54698	9,3866	1,117581466	ENST00000355943	91137	NM_138773	SLC25A46
A_33_P3232643	1,88149	1,72118	1,117527242	N/A	N/A	N/A	N/A
A_23_P123563	18,0853	17,925	1,117519496	ENST00000315377	6194	NM_001010	RPS6
A_24_P752208	5,01922	4,85892	1,117519496	ENST00000558517	N/A	N/A	N/A
A_24_P93874	1,86699	1,70675	1,11747302	ENST00000565306	N/A	BC016740	N/A
A_22_P00008971	2,68547	2,52524	1,117465274	ENST00000560238	N/A	N/A	N/A
A_33_P3394993	3,74184	3,58164	1,117442038	ENST00000529398	80243	NM_025170	PREX2
A_23_P162589	11,6745	11,5143	1,117442038	ENST00000229022	7421	NM_001017535	VDR
A_33_P3354990	6,50099	6,34084	1,117403311	ENST00000449320	8871	AK296242	SYNJ2
A_33_P3322466	1,84349	1,68343	1,117333606	ENST00000422916	N/A	N/A	N/A
A_21_P0000402	1,8114	1,65136	1,117318116	N/A	767581	NR_003197	SNORD114-5
A_33_P3333360	8,61163	8,45163	1,117287138	ENST00000589159	29965	NM_001199054	CDIP1
A_32_P70315	5,86654	5,70654	1,117287138	ENST00000287814	7079	NM_003256	TIMP4
A_21_P0014724	4,50172	4,34173	1,117279394	N/A	100507336	XR_251947	LOC100507336
A_23_P307310	4,44511	4,28515	1,117256161	ENST00000352105	176	NM_013227	ACAN
A_21_P0000973	1,83379	1,67384	1,117248417	ENST00000445039	N/A	N/A	N/A
A_21_P0004951	5,49885	5,33893	1,117225184	N/A	N/A	N/A	Inc-AIG1-1
A_21_P0006313	1,84526	1,68536	1,117209696	N/A	N/A	N/A	Inc-TNFSF15-2
A_22_P00024791	7,56382	7,40392	1,117209696	ENST00000553537	N/A	DA338882	N/A

A_24_P418203	7,41809	7,25821	1,117194209	ENST00000443583	79937	NM_033655	CNTNAP3
A_22_P00019097	4,57809	4,41822	1,117186465	ENST00000519793	N/A	DA442494	N/A
A_22_P00024704	1,88002	1,72015	1,117186465	N/A	N/A	N/A	Inc-DBX1-4
A_23_P112774	7,88457	7,72471	1,117178721	ENST00000520105	11156	NM_032611	PTP4A3
A_33_P3399181	8,96986	8,81001	1,117170977	N/A	N/A	N/A	N/A
A_33_P3339109	7,12021	6,96036	1,117170977	ENST00000512472	9533	CA416988	POLR1C
A_23_P338534	1,85189	1,69209	1,11713226	ENST00000244302	64344	NM_022462	HIF3A
A_32_P160883	10,4698	10,31	1,11713226	ENST00000508342	4734	NM_198400	NEDD4
A_24_P38702	7,52896	7,36916	1,11713226	ENST00000622383	159296	NM_145285	NKX2-3
A_21_P0006451	1,87272	1,71294	1,117116773	ENST00000433646	N/A	N/A	N/A
A_33_P3258782	4,94847	4,78873	1,117085801	ENST00000545766	8905	NM_003916	AP1S2
A_22_P00014444	3,18724	3,02753	1,117062572	N/A	N/A	N/A	Inc-SH2D4A-3
A_21_P0002137	3,66578	3,50607	1,117062572	ENST00000417096	102724675	XR_425512	LOC102724675
A_33_P3344579	7,7813	7,62162	1,117039343	ENST00000205402	1738	NM_000108	DLD
A_23_P211126	9,61436	9,45469	1,117031601	ENST00000338785	1859	NM_130436	DYRK1A
A_21_P0000316	5,81874	5,65908	1,117023858	N/A	677806	NR_002960	SNORA20
A_19_P00322571	2,08849	1,92883	1,117023858	ENST00000440347	440823	NR_033319	MIAT
A_24_P184769	8,21931	8,0597	1,116985146	ENST00000424963	91833	NM_181291	WDR20
A_33_P3402565	14,3634	14,2038	1,116977403	ENST00000418664	1832	NM_004415	DSP
A_23_P429689	9,09409	8,93453	1,116946434	ENST00000040738	259282	NM_148894	BOD1L1
A_32_P213965	2,65268	2,49321	1,116876758	ENST00000527757	100507205	NR_038309	LOC100507205
A_32_P46765	9,76738	9,60794	1,116853533	ENST00000550333	91298	NM_001009894	C12orf29
A_24_P316019	4,34238	4,18296	1,116838051	ENST00000562783	101059918	NM_001282484	GOLGA8R
A_22_P00024480	1,97903	1,81962	1,116830309	N/A	101927911	NR_110818	LOC101927911
A_22_P00001863	1,86848	1,70907	1,116830309	N/A	100129316	N/A	LOC100129316
A_23_P13873	13,1251	12,9657	1,116822568	ENST00000435120	8079	NM_005439	MLF2
A_21_P0012428	1,8691	1,70972	1,116807086	N/A	102723457	N/A	LOC102723457
A_22_P00005637	7,06649	6,90711	1,116807086	ENST00000434790	N/A	N/A	N/A
A_24_P677634	13,8117	13,6524	1,116745158	ENST00000622243	493754	NR_111977	LOC493754
A_22_P00004414	4,65013	4,49085	1,116729677	ENST00000562524	N/A	AK055419	N/A
A_33_P3375869	1,88219	1,72297	1,116683235	N/A	100128950	AK124198	LOC100128950
A_21_P0009376	4,3061	4,14688	1,116683235	N/A	N/A	N/A	Inc-NLGN2-1
A_33_P3388806	1,8925	1,73329	1,116675494	ENST00000370899	100526835	NM_001199327	FPGT-TNNI3K

A_22_P00021958	2,86971	2,7105	1,116675494	N/A	N/A	DB049326	Inc-RP11-728F11.4.1-2
A_21_P0010464	1,85735	1,69815	1,116667754	ENST00000426467	100507657	XR_109755	LOC100507657
A_19_P00328886	7,92021	7,76102	1,116660014	N/A	55000	NR_110492	TUG1
A_22_P00019835	1,8814	1,72222	1,116652274	N/A	N/A	N/A	Inc-POU3F2-3
A_22_P00001089	1,88226	1,72314	1,116605835	N/A	N/A	N/A	Inc-ALDH9A1-1
A_33_P3262660	1,88177	1,72267	1,116590355	ENST00000425038	27437	N/A	HSFY1P1
A_33_P3277898	1,82186	1,66276	1,116590355	ENST00000466888	222008	NM_182546	VSTM2A
A_24_P203953	13,1924	13,0333	1,116590355	N/A	439951	XR_171055	LOC439951
A_22_P00019165	4,488	4,32891	1,116582616	ENST00000553904	1112	XM_006720352	FOXN3
A_21_P0008371	1,86949	1,71047	1,11652844	N/A	N/A	N/A	Inc-GPR65-1
A_23_P18292	17,2981	17,1391	1,116512962	ENST00000396203	9045	NM_001034996	RPL14
A_33_P3414228	6,69642	6,53751	1,116443312	N/A	N/A	N/A	N/A
A_33_P3297978	13,0299	12,871	1,116435574	ENST00000288235	4643	NM_004998	MYO1E
A_33_P3253169	1,85986	1,70097	1,116427835	ENST00000358138	389649	AK125570	C8orf86
A_33_P3319281	4,74516	4,58636	1,116358191	ENST00000402430	50636	BC028162	ANO7
A_22_P00004771	4,65449	4,49584	1,116242127	N/A	N/A	CU680705	Inc-CTU2-2
A_19_P00316820	6,50584	6,34721	1,116226653	N/A	N/A	N/A	Inc-WRNIP1-2
A_23_P303891	11,2277	11,0691	1,116203442	ENST00000607093	353133	NM_178351	LCE1C
A_22_P00020566	5,32126	5,16267	1,116195705	N/A	N/A	N/A	Inc-VSTM2B-1
A_33_P3405888	4,43611	4,27753	1,116187968	N/A	100133130	AF130105	LOC100133130
A_19_P00316528	5,2086	5,0501	1,116126075	ENST00000578650	N/A	N/A	N/A
A_23_P67847	12,7114	12,5529	1,116126075	ENST00000349752	79623	NM_024572	GALNT14
A_33_P3220813	1,8444	1,68596	1,116079658	ENST00000367652	167838	N/A	TXLNB
A_21_P0005916	5,02398	4,86558	1,116048714	N/A	N/A	N/A	Inc-TSNARE1-1
A_32_P3914	5,60137	5,44297	1,116048714	ENST00000242140	644150	NM_001080529	WIPF3
A_21_P0001769	1,56598	1,40758	1,116048714	ENST00000420828	N/A	N/A	N/A
A_24_P142228	18,8476	18,6892	1,116048714	ENST00000392730	6137	NM_033251	RPL13
A_22_P00005085	1,86461	1,70623	1,116033242	N/A	N/A	N/A	Inc-DFNA5-2
A_23_P201238	9,24482	9,08646	1,116017771	ENST00000368838	81609	NM_030918	SNX27
A_22_P00004837	1,87714	1,71881	1,115994564	ENST00000571890	N/A	DA430127	N/A
A_22_P00004825	6,21835	6,06017	1,115878538	ENST00000455931	N/A	N/A	N/A
A_21_P0006507	1,88554	1,72742	1,115832131	N/A	N/A	N/A	Inc-ARMCX4-1
A_23_P390097	7,66316	7,50505	1,115824396	ENST00000380853	158219	NM_152574	TTC39B

A_23_P48088	4,49737	4,33926	1,115824396	ENST00000266557	939	NM_001242	CD27
A_23_P99260	13,8256	13,6675	1,115816662	ENST00000535095	10988	NM_006838	METAP2
A_23_P38618	9,51335	9,35525	1,115816662	ENST00000225609	9487	NM_004278	PIGL
A_22_P00022369	1,96968	1,81159	1,115808928	N/A	N/A	N/A	Inc-TSC22D1-2
A_33_P3305526	1,84636	1,68827	1,115808928	N/A	N/A	N/A	N/A
A_33_P3251205	1,88079	1,72272	1,11579346	ENST00000390316	N/A	AF194657	N/A
A_33_P3293336	8,125	7,96694	1,115785726	ENST00000369236	2674	NM_005264	GFRA1
A_22_P00011428	6,73332	6,57529	1,115762524	N/A	N/A	BC013195	Inc-PAM16-1
A_23_P34176	10,7428	10,5848	1,115739322	ENST00000380861	55841	NM_015691	WWC3
A_23_P15876	1,8511	1,69314	1,115708388	ENST00000361673	115701	NM_052947	ALPK2
A_23_P87011	6,96477	6,80689	1,115646522	ENST00000392951	6876	NM_001001522	TAGLN
A_24_P320410	1,91544	1,7576	1,11561559	ENST00000274520	3578	NM_000590	IL9
A_33_P8912881	10,0659	9,90806	1,11561559	ENST00000456514	101101772	N/A	LINC00601
A_22_P00004398	4,27219	4,11438	1,115592391	ENST00000601302	644100	N/A	ARL14EPL
A_22_P00025909	1,87227	1,71446	1,115592391	ENST00000515410	5864	N/A	RAB3A
A_33_P3284019	15,2099	15,0521	1,115584659	ENST00000373057	116113	NM_001012426	FOXP4
A_21_P0011774	5,15749	4,99973	1,115553729	ENST00000593461	100130519	N/A	TMEM221
A_22_P00004262	3,94502	3,78734	1,115491871	ENST00000425125	N/A	N/A	N/A
A_21_P0006117	3,92403	3,76638	1,115468675	N/A	N/A	N/A	Inc-DMRT2-1
A_23_P125771	6,85972	6,70209	1,115453212	ENST00000310441	3054	NM_005334	HCFC1
A_33_P3375086	1,82919	1,67157	1,11544548	N/A	N/A	N/A	N/A
A_33_P3315856	10,7788	10,6212	1,115430017	ENST00000328771	9704	NM_014681	DHX34
A_22_P00008022	2,67834	2,52074	1,115430017	ENST00000523363	N/A	N/A	N/A
A_22_P00001539	1,96992	1,81237	1,115391359	ENST00000477754	9181	N/A	ARHGEF2
A_33_P3418668	8,17461	8,01708	1,115375897	N/A	347746	NR_022011	PWARSN
A_32_P126609	6,32772	6,17019	1,115375897	ENST00000361138	23137	NM_015110	SMC5
A_33_P6818008	6,27869	6,12117	1,115368166	N/A	N/A	AK096687	Inc-GGCT-1
A_23_P48237	11,5925	11,435	1,115352704	ENST00000357123	10445	NM_006337	MCRS1
A_23_P30474	12,0779	11,9204	1,115352704	ENST00000508730	55100	NM_018034	WDR70
A_23_P257043	6,96206	6,80457	1,115344973	ENST00000297596	2669	NM_005261	GEM
A_22_P00014551	5,0726	4,91512	1,115337242	N/A	N/A	N/A	Inc-SIVA1-1
A_21_P0003808	4,77953	4,6221	1,115298588	N/A	N/A	N/A	Inc-CLDN24-1
A_23_P129856	5,60666	5,44934	1,115213554	ENST00000399849	3090	NM_006497	HIC1

A_21_P0001900	7,65765	7,50035	1,115198094	ENST00000419650	104326057	N/A	GACAT1
A_21_P0006386	3,42515	3,26785	1,115198094	N/A	N/A	N/A	Inc-C9orf156-1
A_32_P173298	7,33797	7,18067	1,115198094	ENST00000302516	23450	NM_012426	SF3B3
A_21_P0004540	1,80147	1,64422	1,115159444	N/A	N/A	N/A	Inc-CPEB4-1
A_33_P3226167	15,4322	15,275	1,115120797	ENST00000373312	64855	NM_022833	FAM129B
A_22_P00012078	4,20811	4,05093	1,115105338	ENST00000563823	101927957	NR_126330	LINC01572
A_21_P0012408	1,8781	1,72094	1,115089879	ENST00000492731	N/A	N/A	N/A
A_33_P3742500	5,06536	4,90822	1,115074421	N/A	642947	BC132887	LOC642947
A_32_P187663	5,35672	5,19961	1,115051234	ENST00000398612	169270	NM_001042416	ZNF596
A_22_P00002361	5,11823	4,96122	1,114973947	N/A	N/A	BG432176	Inc-C12orf43-1
A_23_P30495	11,3096	11,1526	1,114966219	ENST00000287936	3156	NM_000859	HMGCR
A_22_P00007192	1,85571	1,69872	1,11495849	ENST00000569328	N/A	N/A	N/A
A_21_P0003309	3,71924	3,56226	1,114950762	N/A	7066	N/A	THPO
A_21_P0005324	5,30704	5,1501	1,11491985	ENST00000435466	N/A	N/A	N/A
A_23_P44617	10,4063	10,2494	1,114888938	ENST00000514478	22820	NM_016128	COPG1
A_23_P26570	4,64601	4,48912	1,11488121	ENST00000288025	146456	NM_144676	TMED6
A_33_P3311001	1,85121	1,69433	1,114873482	N/A	N/A	N/A	N/A
A_33_P3226680	2,16353	2,0067	1,114834844	N/A	N/A	N/A	N/A
A_19_P00322948	14,3981	14,2413	1,114811662	ENST00000520619	641638	NR_002599	SNHG6
A_22_P00005038	3,90357	3,74682	1,114773027	N/A	N/A	BX116233	Inc-DDX60L-1
A_22_P00011542	1,8791	1,72236	1,1147653	ENST00000505436	N/A	N/A	N/A
A_24_P134235	6,66373	6,50704	1,114726665	ENST00000619396	8570	NM_003685	KHSRP
A_33_P3381107	1,89327	1,7366	1,114711212	ENST00000361284	128368	NM_001004478	OR10Z1
A_21_P0002446	8,26756	8,11093	1,114680306	N/A	N/A	N/A	Inc-USP34-1
A_23_P435444	6,43471	6,2781	1,114664854	ENST00000617050	56108	NM_032087	PCDHGA7
A_23_P214666	17,9147	17,7581	1,114657127	ENST00000461584	6222	NM_022551	RPS18
A_23_P354894	9,05145	8,89486	1,114649401	ENST00000585696	163081	NM_152603	ZNF567
A_22_P00012967	4,49876	4,34217	1,114649401	N/A	768211	XR_427509	RELL1
A_33_P3281363	7,17636	7,0198	1,114626223	N/A	9320	BC037956	TRIP12
A_23_P112666	5,64728	5,49074	1,114610771	ENST00000335071	2301	NM_012186	FOXE3
A_23_P138541	14,8108	14,6544	1,114502614	ENST00000439082	8644	NM_003739	AKR1C3
A_33_P3510837	3,82368	3,66732	1,114471714	N/A	N/A	AK096443	N/A
A_22_P00006969	2,45682	2,30055	1,114402191	N/A	100996263	NR_121626	LOC100996263

A_33_P3239854	8,35895	8,20268	1,114402191	ENST00000399138	54890	NM_017758	ALKBH5
A_33_P3239634	7,38858	7,23243	1,114309502	ENST00000341376	4800	NM_002505	NFYA
A_33_P3217480	11,6608	11,5047	1,114270884	ENST00000563053	8479	NM_003609	HIRIP3
A_22_P00021919	4,36231	4,20621	1,114270884	N/A	N/A	N/A	Inc-LOH12CR1-1
A_23_P215406	14,0532	13,8971	1,114270884	ENST00000348035	5879	NM_018890	RAC1
A_21_P0004301	1,86162	1,70555	1,114247713	N/A	N/A	N/A	Inc-SLC25A48-2
A_33_P3209506	3,67884	3,52279	1,114232266	ENST00000402268	23498	N/A	HAAO
A_33_P3334703	1,93047	1,77449	1,114178205	N/A	N/A	N/A	N/A
A_21_P0008008	3,73357	3,57761	1,114162759	ENST00000441617	642345	N/A	MIR4500HG
A_21_P0001681	1,62968	1,47376	1,114131869	N/A	N/A	N/A	Inc-PRKAA2-2
A_24_P280926	14,9024	14,7465	1,114116423	N/A	N/A	N/A	N/A
A_23_P500282	10,3957	10,2398	1,114116423	ENST00000320580	55690	NM_018026	PACS1
A_22_P00018600	5,20556	5,0497	1,114085534	N/A	N/A	BU661971	Inc-EMILIN2-1
A_22_P00011557	1,79047	1,63464	1,114062368	ENST00000569694	N/A	BC071818	N/A
A_24_P376707	12,8562	12,7004	1,114039201	ENST00000465180	3068	NM_004494	HDGF
A_22_P00013142	1,87748	1,72176	1,113977428	N/A	N/A	N/A	Inc-RNASEH1-3
A_24_P338648	10,816	10,6603	1,113961985	ENST00000261636	400	NM_001177	ARL1
A_23_P100315	11,9698	11,8141	1,113961985	ENST00000439661	26063	NM_020664	DECR2
A_23_P26336	11,9369	11,7812	1,113961985	ENST00000571405	29066	NM_014153	ZC3H7A
A_22_P00016423	1,86487	1,70918	1,113954263	N/A	N/A	N/A	Inc-TMEM242-2
A_23_P89762	8,48862	8,33294	1,113946542	ENST00000262719	23239	NM_194449	PHLPP1
A_33_P3241621	1,87453	1,71886	1,113938821	N/A	100129171	AK131268	LOC100129171
A_33_P3424794	4,63673	4,48112	1,113892494	ENST00000613970	N/A	AF354444	N/A
A_33_P3279004	1,84543	1,68984	1,113877053	ENST00000343876	285025	AK129847	CCDC141
A_24_P296587	1,84696	1,69141	1,11384617	ENST00000434704	1747	NM_005220	DLX3
A_21_P0010897	1,89449	1,73899	1,113807568	N/A	N/A	N/A	XLOC_I2_002067
A_24_P148043	11,5292	11,3737	1,113807568	ENST00000263733	9917	NM_014864	FAM20B
A_19_P00812257	4,55433	4,39885	1,113792127	ENST00000412690	440900	NR_034128	LINC01191
A_32_P481377	4,59895	4,44352	1,113753527	ENST00000332378	337880	NM_175858	KRTAP11-1
A_22_P00007227	3,02226	2,86684	1,113745807	N/A	101927021	NR_110065	LOC101927021
A_21_P0014748	4,15398	3,99858	1,113730367	N/A	N/A	N/A	N/A
A_24_P116669	5,9572	5,80181	1,113722647	ENST00000591773	124583	NM_138793	CANT1
A_33_P3295705	3,58975	3,43444	1,113660891	N/A	N/A	N/A	N/A



A_21_P0007555	3,55782	3,40266	1,113545107	N/A	N/A	N/A	Inc-WNT1-3
A_23_P139654	3,73318	3,57803	1,113537389	ENST00000537699	3821	NM_007328	KLRC1
A_23_P62351	12,2064	12,0513	1,113498797	ENST00000539247	54470	NM_019007	ARMCX6
A_24_P916378	6,22679	6,07171	1,113483361	ENST00000410076	92906	BC008217	HNRNPLL
A_24_P285501	6,88802	6,73296	1,113467925	ENST00000418381	130507	NM_172070	UBR3
A_21_P0008074	1,86211	1,70706	1,113460207	N/A	N/A	N/A	Inc-AL445989.1-10
A_33_P3391167	8,05386	7,89882	1,113452489	ENST00000599370	N/A	N/A	N/A
A_23_P326931	3,86226	3,70735	1,113352162	ENST00000394865	118491	NM_145170	CFAP70
A_24_P931443	5,05547	4,90058	1,113336727	ENST00000535815	8111	NM_003485	GPR68
A_22_P00012115	5,00787	4,85298	1,113336727	N/A	N/A	DA794686	Inc-POLD3-4
A_21_P0002503	1,84725	1,69238	1,113321293	N/A	N/A	N/A	Inc-POTEF-4
A_33_P3362048	4,65911	4,50425	1,113313576	ENST00000395682	N/A	N/A	N/A
A_22_P00008507	1,83876	1,68391	1,113305859	N/A	N/A	AA416704	Inc-KCNG4-2
A_22_P00018955	1,89377	1,73893	1,113298143	N/A	N/A	BX089860	Inc-SOX11-1
A_22_P00008477	1,83939	1,68455	1,113298143	ENST00000538202	100507560	XR_109124	LOC100507560
A_23_P216568	11,1153	10,9605	1,113267276	ENST00000322940	54942	NM_017832	FAM206A
A_24_P944222	6,30698	6,1522	1,113251843	ENST00000266712	160418	NM_181783	TMTC3
A_23_P82959	5,48689	5,33211	1,113251843	ENST00000377317	8928	NM_003923	FOXH1
A_21_P0006691	1,84564	1,69086	1,113251843	ENST00000441457	101929684	N/A	LINC01520
A_24_P392925	4,55741	4,40269	1,113205545	ENST00000331264	388323	NM_001014985	GLTPD2
A_21_P0007678	1,8692	1,71454	1,113159249	N/A	N/A	N/A	Inc-EFCAB4B-3
A_24_P410017	14,2885	14,1339	1,113112955	ENST00000409914	653269	NM_001277406	POTEI
A_23_P25913	8,60414	8,44956	1,113097524	ENST00000311089	83544	NM_031427	DNAL1
A_24_P349387	17,4072	17,2527	1,113035803	ENST00000424565	N/A	N/A	N/A
A_22_P00007025	4,51018	4,3557	1,113020373	N/A	N/A	N/A	Inc-GIP-1
A_23_P402319	2,46548	2,31102	1,113004943	ENST00000318469	202309	AK090960	GAPT
A_33_P3313250	1,89042	1,73597	1,112997228	ENST00000368150	128367	NM_001004477	OR10X1
A_21_P0011223	2,83947	2,68505	1,112974084	ENST00000440160	100874179	N/A	LINC00457
A_22_P00016071	1,87085	1,71643	1,112974084	ENST00000558846	N/A	N/A	N/A
A_33_P3320403	5,80525	5,65092	1,112904656	N/A	N/A	AK130324	N/A
A_24_P332926	9,35562	9,20129	1,112904656	ENST00000337018	10147	NM_014884	SUGP2
A_33_P3311979	9,42567	9,27136	1,112889228	ENST00000319555	161882	NM_153813	ZFPM1
A_23_P256682	11,9307	11,7764	1,112881514	ENST00000374987	27301	NM_014481	APEX2

A_33_P3411632	7,42649	7,27221	1,112866086	ENST00000392519	80757	NM_025268	TMEM121
A_21_P0014180	1,87458	1,72036	1,112819804	ENST00000474396	115330	XM_006715643	GPR146
A_24_P162979	3,61754	3,46334	1,112804377	ENST00000272421	79998	NM_024933	ANKRD53
A_22_P00000943	3,93683	3,78267	1,112773524	ENST00000449457	N/A	N/A	N/A
A_24_P880043	9,49015	9,33599	1,112773524	ENST00000543648	84333	NM_032373	PCGF5
A_21_P0001562	1,84705	1,69296	1,112719533	N/A	N/A	N/A	Inc-AMY1B-1
A_33_P3356306	4,47376	4,3197	1,112696395	N/A	254773	AF323919	LYG2
A_33_P3787635	1,87469	1,72067	1,112665545	N/A	440600	NR_036595	LOC440600
A_23_P405815	1,81799	1,66397	1,112665545	ENST00000164139	5837	NM_005609	PYGM
A_23_P250283	10,0896	9,93569	1,112580712	ENST00000409784	5861	NM_004161	RAB1A
A_33_P3220149	16,5081	16,3543	1,112495885	ENST00000503050	9794	AB209135	MAML1
A_33_P3242503	1,85021	1,69643	1,112480463	ENST00000410046	22891	NM_199451	ZNF365
A_33_P3406240	4,16585	4,01209	1,112465041	ENST00000272224	151449	NM_182828	GDF7
A_22_P00015321	1,87113	1,71739	1,112449619	ENST00000429008	N/A	N/A	N/A
A_33_P3361771	4,62057	4,46684	1,112441908	ENST00000367478	7175	NM_003292	TPR
A_33_P3365978	1,84194	1,68822	1,112434197	N/A	93654	NR_002331	ST7-AS2
A_32_P435367	14,1288	13,9751	1,112418776	ENST00000427779	5710	NM_002810	PSMD4
A_24_P74371	15,0006	14,8469	1,112418776	ENST00000372459	5476	NM_000308	CTSA
A_33_P3350753	1,82084	1,66716	1,112403354	ENST00000433419	9720	NM_014695	CCDC144A
A_23_P18939	10,4119	10,2583	1,112341671	ENST00000515800	5921	NM_002890	RASA1
A_33_P3351920	4,00567	3,85209	1,112326251	N/A	N/A	N/A	N/A
A_22_P00011425	1,86675	1,71317	1,112326251	ENST00000504436	100861468	N/A	LINC00492
A_33_P3297080	3,78948	3,63604	1,112218315	ENST00000388718	388698	NM_001014342	FLG2
A_23_P56146	4,20668	4,05327	1,112195188	ENST00000555978	84839	NM_032753	RAX2
A_33_P3394615	10,6818	10,5284	1,112187479	ENST00000327891	65991	NM_023934	FUNDC2
A_22_P00022237	1,85844	1,70506	1,112172061	ENST00000366253	N/A	N/A	N/A
A_23_P71624	1,81719	1,66384	1,112148934	ENST00000358127	5079	NM_016734	PAX5
A_21_P0005358	1,77943	1,62608	1,112148934	N/A	N/A	N/A	Inc-IL6-4
A_23_P425814	1,86884	1,71553	1,112118099	ENST00000335479	503841	NM_001040704	DEFB106B
A_33_P3316480	3,7171	3,5638	1,11211039	ENST00000529955	582	AK294962	BBS1
A_22_P00007910	1,8703	1,71702	1,112094973	N/A	N/A	N/A	Inc-HSPA4-3
A_22_P00012094	3,89328	3,74002	1,112079557	N/A	N/A	BC034627	Inc-PNLIPRP1-1
A_33_P3590279	8,76318	8,61002	1,112002476	ENST00000461109	N/A	N/A	N/A

A_22_P00010450	3,4963	3,34319	1,111963937	ENST00000561596	101929222	NR_104190	DISC1FP1
A_23_P76705	8,20434	8,05125	1,111948522	ENST00000261965	10426	NM_006322	TUBGCP3
A_21_P0005387	1,84752	1,69443	1,111948522	N/A	N/A	N/A	Inc-ZNF727-3
A_23_P59613	4,60361	4,45056	1,111917693	ENST00000344575	8326	NM_003508	FZD9
A_33_P3274090	3,80037	3,64733	1,111909986	N/A	N/A	N/A	N/A
A_33_P3408683	1,87196	1,71894	1,111894572	N/A	N/A	N/A	N/A
A_23_P58506	10,9572	10,8042	1,111879158	ENST00000237853	22936	NM_012081	ELL2
A_22_P00020912	1,84624	1,69325	1,111871451	N/A	100873972	NR_046535	GPC6-AS1
A_22_P00017244	5,62382	5,47088	1,111832917	ENST00000559915	N/A	CF595856	N/A
A_33_P3441060	9,58439	9,43148	1,111809797	ENST00000400788	729515	NM_018452	TMEM242
A_22_P00011426	1,8755	1,72264	1,111771265	N/A	N/A	N/A	Inc-PAM-4
A_23_P162087	13,3072	13,1544	1,111725029	ENST00000534025	56674	NM_020644	TMEM9B
A_24_P92558	3,52828	3,3755	1,111709617	ENST00000414387	641339	NM_001039891	ZNF674
A_21_P0004664	5,19294	5,04019	1,1116865	ENST00000443221	N/A	N/A	N/A
A_33_P3282614	7,12977	6,97703	1,111678795	ENST00000388931	441476	NM_001256699	C9orf173
A_21_P0010094	6,0461	5,89337	1,111671089	N/A	N/A	N/A	Inc-ARFGEF2-2
A_24_P255874	5,6233	5,47063	1,111624857	ENST00000435665	80868	NR_001317	HCG4B
A_23_P96833	7,38046	7,22782	1,111601742	ENST00000368093	89886	NM_033438	SLAMF9
A_21_P0012634	2,12546	1,97283	1,111594037	N/A	N/A	N/A	XLOC_I2_010947
A_22_P00021963	3,93487	3,78226	1,111578627	N/A	N/A	N/A	Inc-NLRP12-2
A_33_P3359724	5,73965	5,58706	1,111563217	ENST00000369942	127003	BG717688	C1orf194
A_22_P00012313	1,8725	1,71994	1,111540103	ENST00000494761	101927346	XR_245076	LOC101927346
A_22_P00023572	6,95376	6,8012	1,111540103	N/A	N/A	AL110400	Inc-CPT2-5
A_24_P356406	12,2802	12,1277	1,111493876	ENST00000397195	5048	NM_000430	PAFAH1B1
A_33_P3278293	11,6358	11,4833	1,111493876	ENST00000263092	79066	NM_024086	METTL16
A_22_P00007928	1,86879	1,71631	1,111478468	N/A	N/A	N/A	Inc-HTR1A-1
A_21_P0004244	1,89017	1,73771	1,11146306	N/A	N/A	N/A	Inc-CCDC152-1
A_33_P3728698	7,13499	6,98253	1,11146306	ENST00000517910	N/A	AK127183	N/A
A_22_P00012506	1,85483	1,70239	1,111447652	N/A	N/A	N/A	Inc-PSMA8-1
A_22_P00003912	3,97083	3,81842	1,11142454	N/A	N/A	N/A	Inc-CERKL-3
A_33_P3310301	3,41863	3,26622	1,11142454	ENST00000618208	23428	NM_012244	SLC7A8
A_22_P00016315	4,31065	4,15825	1,111416836	ENST00000509760	440119	NR_033834	FZD10-AS1
A_33_P3294836	7,03192	6,87954	1,111401429	ENST00000494826	79624	NM_024573	C6orf211

A_33_P3252369	7,32454	7,17216	1,111401429	ENST00000412401	130827	NM_144632	TMEM182
A_33_P3273732	6,64004	6,48776	1,111324395	N/A	N/A	N/A	Inc-BRD3-1
A_23_P215997	1,83127	1,679	1,111316692	ENST00000323110	1585	NM_000498	CYP11B2
A_21_P0000876	6,70209	6,54984	1,111301286	N/A	100505894	NR_105019	TMEM161B-AS1
A_21_P0013516	13,6545	13,5023	1,111262772	ENST00000513394	N/A	N/A	N/A
A_21_P0006547	5,05816	4,90596	1,111262772	N/A	N/A	N/A	Inc-KIAA1210-2
A_22_P00010255	5,26951	5,11732	1,111255069	N/A	N/A	N/A	Inc-MTERFD2-1
A_22_P00006000	1,86356	1,71139	1,111239664	N/A	N/A	N/A	Inc-FABP5-5
A_33_P3353116	3,43782	3,28568	1,111216557	ENST00000340624	6462	NM_001289115	SHBG
A_24_P231494	10,0005	9,84843	1,111162641	ENST00000373966	23549	NM_012100	DNPEP
A_33_P3418987	1,86682	1,71477	1,111147237	N/A	729528	NM_001024661	PRAMEF14
A_23_P63870	6,47009	6,31804	1,111147237	ENST00000372690	142891	NM_144660	SAMD8
A_21_P0006225	3,48977	3,33773	1,111139536	N/A	N/A	N/A	Inc-GAPVD1-2
A_22_P00006187	10,0864	9,93438	1,111124132	N/A	100874295	NR_046783	KCND3-IT1
A_23_P127995	14,5699	14,4179	1,111108729	ENST00000526009	1207	NM_001293	CLNS1A
A_33_P3267330	4,05252	3,9006	1,111047117	ENST00000447910	768097	NR_003245	HAR1B
A_24_P46334	9,45643	9,30459	1,11098551	ENST00000338517	60592	NM_032547	SCOC
A_33_P3402188	3,80681	3,65502	1,110947006	ENST00000422992	N/A	AF116728	N/A
A_21_P0008522	2,27758	2,12581	1,110931606	N/A	N/A	N/A	nc-RP11-1070N10.3.1-1
A_22_P00021689	1,84869	1,69697	1,110893104	ENST00000422844	N/A	AA456489	N/A
A_22_P00024400	1,85782	1,70611	1,110885404	N/A	N/A	N/A	Inc-CYB561-4
A_33_P3392807	2,00589	1,85422	1,110854604	ENST00000404869	9014	N/A	TAF1B
A_21_P0006037	1,84786	1,69628	1,110785308	N/A	N/A	N/A	Inc-CYLC2-1
A_22_P00001283	4,37806	4,22649	1,110777608	ENST00000417917	102724312	NR_125994	LOC102724312
A_21_P0000248	6,7576	6,60605	1,11076221	N/A	26782	NR_002444	SNORA66
A_23_P359647	12,1958	12,0443	1,110723714	ENST00000426654	10725	NM_138714	NFAT5
A_22_P00020951	1,87047	1,71897	1,110723714	ENST00000507056	N/A	N/A	N/A
A_23_P331196	1,86863	1,7172	1,110669823	ENST00000321731	317761	NM_174978	C14orf39
A_33_P3393655	1,84925	1,69783	1,110662125	ENST00000382114	55203	NM_018176	LGI2
A_33_P3331882	8,49894	8,34754	1,110646728	ENST00000321949	23373	NM_001098482	CRTC1
A_22_P00016720	4,62624	4,47485	1,110639029	N/A	N/A	N/A	Inc-TRAPPC4-1
A_33_P3761915	2,11824	1,96685	1,110639029	N/A	28902	BG482625	IGKV1D-13
A_24_P245108	7,80627	7,65494	1,11059284	ENST00000344836	7874	NM_001286458	USP7

A_33_P3322879	1,84375	1,69243	1,110585142	N/A	102724484	NR_120522	LOC102724484
A_24_P413988	12,6546	12,5033	1,110569746	ENST00000377386	10618	NM_006464	TGOLN2
A_22_P00004021	1,83559	1,68431	1,11055435	N/A	N/A	N/A	Inc-CHN2-1
A_33_P3360204	8,83749	8,68626	1,110515862	N/A	N/A	N/A	XL0C_I2_006958
A_22_P00020616	1,86971	1,71853	1,110477375	N/A	100873973	NR_046536	GPC6-AS2
A_22_P00018697	5,13622	4,9851	1,110431193	N/A	100288123	NR_034114	LOC100288123
A_22_P00009867	1,86517	1,71406	1,110423496	N/A	N/A	N/A	Inc-MEX3B-3
A_33_P3397935	2,71556	2,56448	1,110400406	N/A	100132159	NR_120496	CALML3-AS1
A_22_P00003668	4,74012	4,58911	1,11034653	N/A	N/A	N/A	Inc-CDC42EP1-1
A_21_P0005571	9,97167	9,8207	1,110315745	N/A	N/A	N/A	Inc-ZKSCAN1-1
A_24_P397515	10,6937	10,5428	1,110261873	ENST00000377575	10473	NM_006353	HMGNA4
A_23_P22364	1,88987	1,73911	1,110154138	ENST00000389336	2917	NM_000844	GRM7
A_23_P42042	9,44833	9,29758	1,110146443	ENST00000523075	57226	NM_020466	LYRM2
A_23_P23380	11,0541	10,9034	1,110107969	ENST00000497050	64834	NM_022821	ELOVL1
A_33_P3424347	3,61488	3,4642	1,11009258	N/A	N/A	N/A	N/A
A_21_P0013354	5,64621	5,49558	1,110054108	ENST00000472212	79970	NR_027789	ZNF767P
A_22_P00005174	4,46741	4,31684	1,110007943	ENST00000429044	340515	NR_034157	LINC01501
A_33_P3367196	1,93393	1,7834	1,109977167	ENST00000613345	26047	NM_014141	CNTNAP2
A_22_P00007839	1,8595	1,70897	1,109977167	N/A	N/A	N/A	Inc-HPS4-3
A_22_P00015599	1,99085	1,84034	1,10996178	ENST00000552425	N/A	N/A	N/A
A_21_P0000597	12,1215	11,971	1,109954086	ENST00000413075	1518	N/A	CTSLP8
A_33_P3305243	5,95359	5,8031	1,109946393	ENST00000373903	5711	AK001065	PSMD5
A_22_P00011315	7,33758	7,1871	1,109938699	ENST00000563312	23417	NM_012213	MLYCD
A_22_P00008726	1,8623	1,71188	1,109892539	ENST00000458254	N/A	N/A	N/A
A_22_P00005884	1,84459	1,69418	1,109884846	ENST00000450944	N/A	N/A	N/A
A_32_P453550	1,86647	1,71609	1,109861767	N/A	100506351	XR_108863	LOC100506351
A_33_P3304893	4,11713	3,96679	1,109830995	N/A	N/A	CB851972	N/A
A_33_P3411035	1,85029	1,69996	1,109823302	ENST00000266058	6585	NM_003061	SLIT1
A_21_P0012839	3,5905	3,44017	1,109823302	N/A	N/A	N/A	XL0C_I2_011692
A_22_P00016556	4,35303	4,20271	1,10981561	N/A	N/A	N/A	Inc-TNFRSF10B-1
A_23_P86493	16,1602	16,0099	1,109800225	ENST00000370193	10660	NM_006562	LBX1
A_32_P181222	1,86834	1,71805	1,109792532	ENST00000404857	3778	NM_002247	KCNMA1
A_23_P16992	9,77451	9,62422	1,109792532	ENST00000426248	8502	NM_003628	PKP4

A_24_P145019	1,91297	1,76275	1,109738686	N/A	100129858	NR_033939	SCOC-AS1
A_24_P655268	8,87689	8,72671	1,109707918	N/A	729082	N/A	OIP5-AS1
A_33_P3479999	17,0737	16,9236	1,109646384	N/A	494150	BC014228	LOC494150
A_22_P00009757	3,4081	3,25804	1,109615619	N/A	N/A	N/A	Inc-MED10-1
A_33_P3402783	9,99576	9,84573	1,109592545	ENST00000439492	N/A	N/A	N/A
A_33_P3222362	1,8291	1,67908	1,109584854	ENST00000577994	729950	NR_040033	LOC729950
A_22_P00004468	1,84593	1,69591	1,109584854	ENST00000523242	N/A	N/A	N/A
A_33_P3377346	1,8841	1,7341	1,109569472	ENST00000611158	100132526	NR_036481	FGD5P1
A_32_P2738	12,1245	11,9745	1,109569472	ENST00000430368	26123	NM_015631	TCTN3
A_23_P35977	1,84342	1,69346	1,109538709	ENST00000534790	79849	NM_024791	PDZD3
A_33_P3368855	1,80419	1,65424	1,109531018	ENST00000377067	2262	NM_004466	GPC5
A_32_P198303	8,43748	8,28754	1,109523327	ENST00000536040	120526	NM_181706	DNAJC24
A_23_P328237	6,66805	6,51812	1,109515637	ENST00000336349	144108	NM_194285	SPTY2D1
A_33_P3252279	2,63384	2,48393	1,109500256	N/A	N/A	N/A	N/A
A_24_P11965	12,8052	12,6553	1,109492565	ENST00000507420	93621	NM_033296	MRFAP1
A_33_P3403831	2,96012	2,81027	1,109454114	N/A	N/A	N/A	XLOC_I2_015399
A_22_P00018359	3,42842	3,27863	1,109407974	N/A	101927196	NR_110214	LOC101927196
A_24_P52887	1,86842	1,71864	1,109400284	ENST00000229003	8909	NM_006025	ENDOU
A_22_P00007442	6,85629	6,70653	1,109384905	ENST00000429410	2949	N/A	GSTM5
A_23_P123916	8,59971	8,44995	1,109384905	ENST00000323301	90678	NM_138361	LRSAM1
A_24_P8165	1,8613	1,71155	1,109377215	ENST00000376494	6564	AB001328	SLC15A1
A_22_P00014825	5,71607	5,56638	1,109331078	N/A	N/A	N/A	Inc-SLC43A1-1
A_21_P0010149	1,86792	1,71825	1,1093157	ENST00000415269	N/A	N/A	N/A
A_32_P190461	7,8822	7,73262	1,109246499	N/A	101926894	XR_427592	LOC101926894
A_21_P0011220	1,84606	1,69648	1,109246499	ENST00000413501	101928922	N/A	LINC00463
A_21_P0005060	4,38958	4,24004	1,109215745	N/A	N/A	N/A	Inc-C6orf192-1
A_33_P3224105	13,2461	13,0966	1,109184991	ENST00000416151	90417	NM_001142761	KNSTRN
A_21_P0005466	2,9473	2,79781	1,109177303	N/A	N/A	N/A	Inc-RADIL-3
A_33_P3249534	1,861	1,71152	1,109169615	ENST00000221166	4741	NM_005382	NEFM
A_22_P00011953	2,05037	1,9009	1,109161927	N/A	N/A	AW452990	Inc-PKLR-2
A_22_P00023701	1,8346	1,68524	1,10907736	N/A	N/A	N/A	Inc-SLC6A4-2
A_33_P3401826	8,03428	7,88498	1,109031236	ENST00000478738	129607	NM_207315	CMPK2
A_33_P3209581	7,88694	7,73765	1,109023549	ENST00000621764	440073	NM_001170738	IQSEC3

A_23_P317820	1,83207	1,68286	1,108962053	ENST00000278855	219990	NM_173801	OOSP2
A_23_P399864	1,77078	1,62157	1,108962053	ENST00000424776	139804	NM_001145346	RBMXL3
A_22_P00016600	6,24252	6,09331	1,108962053	ENST00000412357	N/A	N/A	N/A
A_23_P144746	1,8504	1,7012	1,108954367	ENST00000519564	285676	NM_182594	ZNF454
A_21_P0004921	6,15712	6,00795	1,108931307	N/A	102724646	XR_426101	LOC102724646
A_21_P0006662	1,88848	1,73932	1,10892362	ENST00000454991	731789	NR_026794	LINC00202-2
A_24_P453921	6,51242	6,36334	1,10886213	ENST00000417811	100129460	NR_036680	DPY19L1P1
A_33_P3224795	7,0175	6,86844	1,108846758	ENST00000617859	64376	NM_001271840	IKZF5
A_21_P0008189	1,86571	1,71668	1,108823701	N/A	N/A	N/A	Inc-SLITRK1-2
A_19_P00806473	8,6625	8,51355	1,108762216	ENST00000443965	N/A	N/A	N/A
A_22_P00021769	1,83009	1,68117	1,10873916	N/A	N/A	BF726218	Inc-TMEM64-2
A_23_P71908	8,36264	8,21372	1,10873916	ENST00000610884	6619	NM_001039697	SNAPC3
A_22_P00016688	16,5672	16,4183	1,10872379	N/A	N/A	N/A	Inc-TPSAB1-1
A_21_P0000929	1,82595	1,67707	1,10870842	ENST00000426428	339505	NR_033887	LINC01141
A_23_P209426	8,57871	8,42983	1,10870842	ENST00000332624	66008	NM_015049	TRAK2
A_21_P0001617	3,5098	3,36095	1,108685365	N/A	N/A	N/A	Inc-KCNH1-2
A_33_P3224265	7,18967	7,04086	1,108654626	ENST00000479035	N/A	N/A	N/A
A_23_P27048	10,2897	10,1409	1,108646942	ENST00000292114	N/A	BC033113	N/A
A_23_P360769	8,40526	8,25647	1,108639257	ENST00000513921	4124	NM_002372	MAN2A1
A_22_P00011225	7,5949	7,44614	1,108616204	N/A	N/A	N/A	Inc-OPRL1-1
A_21_P0000669	5,80397	5,65524	1,108593151	ENST00000558187	79631	NM_024580	EFTUD1
A_21_P0013040	2,01978	1,87107	1,108577783	N/A	N/A	N/A	XLOC_I2_012743
A_32_P27706	11,0866	10,9379	1,108570099	ENST00000264167	8540	NM_003659	AGPS
A_22_P00025022	6,29809	6,14945	1,108523996	N/A	N/A	N/A	Inc-LRRC49-2
A_33_P3414964	5,06577	4,91713	1,108523996	N/A	5802	BC029496	PTPRS
A_33_P3317321	8,48686	8,33823	1,108516312	ENST00000309983	7172	NM_000367	TPMT
A_24_P91830	1,85672	1,70813	1,108485578	ENST00000370503	139067	NM_001009609	SPANXN3
A_33_P3227217	6,78658	6,63805	1,108439478	ENST00000475409	677847	NR_002989	SNORA81
A_21_P0000932	1,83753	1,68901	1,108431795	N/A	N/A	N/A	Inc-ALG14-5
A_22_P00008807	3,71094	3,56252	1,108354967	N/A	N/A	N/A	Inc-KLC1-1
A_23_P75063	1,85274	1,70433	1,108347285	ENST00000444807	84332	NM_032372	DYDC2
A_23_P209962	10,2789	10,1305	1,108339602	ENST00000402989	79677	NM_024624	SMC6
A_22_P00011319	1,83957	1,69117	1,108339602	ENST00000443897	101928196	XR_244592	LOC101928196

A_33_P3410019	7,06447	6,91607	1,108339602	ENST00000581666	N/A	N/A	N/A
A_33_P3226367	1,82381	1,67543	1,108324238	N/A	N/A	N/A	Inc-CD44-1
A_21_P0003307	1,83278	1,68442	1,108308873	N/A	N/A	N/A	Inc-DCUN1D1-1
A_22_P00000694	1,88358	1,73522	1,108308873	ENST00000553791	N/A	XR_245777	N/A
A_33_P3258699	6,34142	6,19307	1,108301191	ENST00000425409	100288687	NM_001293798	DUX4
A_33_P3328123	8,17056	8,02221	1,108301191	ENST00000605469	N/A	N/A	N/A
A_23_P148737	3,3996	3,25134	1,108232054	ENST00000255416	4608	NM_004997	MYBPH
A_21_P0004756	1,8633	1,71504	1,108232054	ENST00000453790	N/A	N/A	N/A
A_33_P3292279	1,84981	1,70158	1,108209009	N/A	N/A	AF119908	N/A
A_33_P3258003	1,88529	1,7371	1,108178283	ENST00000547010	56899	NM_152788	ANKS1B
A_22_P00000956	4,49992	4,35177	1,108147558	ENST00000441338	N/A	N/A	N/A
A_24_P74487	9,1752	9,02707	1,108132196	ENST00000489469	54065	NM_058182	SMIM11
A_33_P3363959	1,82901	1,68091	1,108109153	N/A	N/A	N/A	N/A
A_21_P0008338	1,82298	1,67488	1,108109153	N/A	N/A	N/A	Inc-PELI2-3
A_21_P0009938	1,79996	1,65186	1,108109153	N/A	N/A	N/A	Inc-SNRPB2-2
A_33_P3422499	4,26075	4,11265	1,108109153	ENST00000606395	729041	N/A	FAAHP1
A_33_P3312039	9,27832	9,13023	1,108101473	ENST00000457811	5887	NM_002874	RAD23B
A_22_P00017872	1,86406	1,71598	1,108093792	N/A	N/A	BQ276709	Inc-ZDHH6-3
A_33_P3303309	3,82401	3,67599	1,108047709	N/A	150622	NR_026832	LINC01105
A_23_P32308	1,8053	1,65729	1,108040028	ENST00000335288	496	NM_000705	ATP4B
A_22_P00019246	2,10728	1,95927	1,108040028	N/A	N/A	N/A	Inc-GRSF1-1
A_21_P0011811	5,66417	5,51618	1,108024668	ENST00000393515	645784	N/A	ANKRD36BP2
A_33_P3399911	3,61299	3,46501	1,108016987	N/A	N/A	N/A	N/A
A_21_P0010015	1,86559	1,71764	1,107993947	N/A	N/A	N/A	Inc-FOXA2-3
A_23_P145408	13,0087	12,8608	1,107955548	ENST00000002165	2519	NM_032020	FUCA2
A_21_P0014036	2,80727	2,65937	1,107955548	ENST00000548892	196446	XM_006709961	MYRFL
A_33_P3218120	8,9447	8,7968	1,107955548	ENST00000481698	N/A	N/A	N/A
A_24_P399009	6,84427	6,69642	1,107917149	ENST00000575514	23644	NM_014329	EDC4
A_33_P3384845	5,86019	5,71238	1,107886432	ENST00000375730	23509	NM_172236	POFUT1
A_33_P3422294	11,4376	11,2898	1,107878753	N/A	N/A	N/A	N/A
A_33_P3231820	2,94968	2,80191	1,107855715	ENST00000342380	431705	NM_001002036	ASTL
A_21_P0013669	4,0008	3,85307	1,107824999	N/A	101927993	XR_242645	LOC101927993
A_22_P00015847	2,02573	1,87801	1,10781732	N/A	101929529	NR_125927	LOC101929529



A_21_P0008230	4,1693	4,02159	1,107809642	N/A	N/A	N/A	Inc-SGCG-5
A_33_P3474175	16,006	15,8583	1,107801963	N/A	207107	BU601128	SFTA1P
A_33_P3383656	10,8555	10,7078	1,107801963	ENST00000405954	285193	NM_001033575	DUSP28
A_23_P128408	10,9683	10,8206	1,107801963	ENST00000546954	51499	NM_016399	TRIAP1
A_33_P3277361	3,42154	3,27386	1,107786606	ENST00000405984	5013	NM_001199770	OTX1
A_33_P3223093	6,12639	5,97876	1,107748213	ENST00000390346	N/A	M27336	N/A
A_21_P0001413	1,83986	1,69223	1,107748213	N/A	N/A	N/A	Inc-CAMK1G-5
A_23_P37870	13,8718	13,7242	1,107725179	ENST00000564370	10273	NM_005861	STUB1
A_22_P00017662	1,84134	1,69377	1,107702144	N/A	N/A	N/A	Inc-WRN-7
A_21_P0010746	1,83695	1,68938	1,107702144	ENST00000442726	102723473	N/A	LOC102723473
A_32_P41526	7,70261	7,55504	1,107702144	ENST00000621690	729092	NM_001144000	AGAP5
A_23_P27367	10,5242	10,3767	1,1076484	ENST00000588089	2531	NM_002035	KDSR
A_21_P0004044	1,81962	1,67212	1,1076484	ENST00000506330	N/A	N/A	N/A
A_22_P00018057	1,85868	1,71121	1,107625367	ENST00000446671	101928475	XR_243596	LOC101928475
A_21_P0002188	5,57062	5,42321	1,107579303	N/A	N/A	N/A	Inc-SLC4A1AP-1
A_33_P3289848	7,80332	7,65592	1,107571626	ENST00000231656	1044	NM_001804	CDX1
A_23_P144264	9,50003	9,3527	1,107517888	ENST00000284320	9868	NM_014820	TOMM70A
A_22_P00015183	1,86492	1,7176	1,107510211	ENST00000413960	N/A	N/A	N/A
A_23_P41470	12,5919	12,4446	1,107494858	ENST00000393743	55601	NM_017631	DDX60
A_22_P00006968	7,00323	6,85593	1,107494858	ENST00000435163	100505783	NR_038338	OSER1-AS1
A_33_P3290888	14,5566	14,4093	1,107494858	ENST00000498814	8904	NM_003915	CPNE1
A_21_P0000654	5,01045	4,86319	1,107464152	N/A	646938	N/A	LOC646938
A_23_P42288	8,36044	8,21321	1,107441123	ENST00000466571	80737	NM_025258	VWA7
A_33_P3343737	2,64338	2,49616	1,107433447	ENST00000374663	10136	NM_005747	CELA3A
A_21_P0006143	1,83422	1,687	1,107433447	N/A	N/A	N/A	Inc-HRCT1-3
A_33_P3414202	8,32263	8,17544	1,107410419	ENST00000465964	55796	NM_001170704	MBNL3
A_22_P00005078	3,53187	3,38475	1,107356688	N/A	N/A	CD699608	Inc-DEXI-1
A_33_P3384272	2,60328	2,45617	1,107349012	ENST00000369494	476	N/A	ATP1A1
A_23_P212458	11,7955	11,6484	1,107341337	ENST00000424880	29927	NM_013336	SEC61A1
A_23_P126248	1,87163	1,72456	1,107318311	ENST00000375121	54546	NM_019062	RNF186
A_33_P3333267	4,57862	4,43158	1,107295285	ENST00000551068	283999	NM_001204210	TMEM235
A_33_P3481987	17,9511	17,8041	1,107264584	ENST00000571152	387700	NM_213606	SLC16A12
A_21_P0007548	7,59548	7,4485	1,107249235	N/A	N/A	N/A	Inc-FAM113B-5

A_23_P212258	2,21604	2,06908	1,107233885	ENST00000447445	3827	NM_000893	KNG1
A_23_P206324	6,98416	6,83723	1,107210861	ENST00000219439	83693	NM_031463	HSDL1
A_23_P58729	3,92192	3,77504	1,107172489	ENST00000513614	6569	NM_003052	SLC34A1
A_24_P825874	3,67555	3,52869	1,10715714	ENST00000358087	653269	NM_001277406	POTEI
A_21_P0000486	4,56751	4,4207	1,10711877	N/A	692234	NR_004054	SNORD103A
A_23_P75330	13,0112	12,8644	1,107111096	ENST00000337970	3185	NM_004966	HNRNPF
A_23_P100196	12,5103	12,3636	1,107034359	ENST00000219473	9100	NM_005153	USP10
A_33_P3374623	9,93026	9,78362	1,10698832	ENST00000263094	10347	NM_019112	ABCA7
A_33_P3412295	6,34084	6,19423	1,106965301	N/A	645645	AK126090	LOC645645
A_33_P3379506	12,2976	12,151	1,106957628	ENST00000466880	129531	NM_138798	MITD1
A_33_P3315060	7,27375	7,12716	1,106949955	ENST00000495527	N/A	BX648271	N/A
A_21_P0011899	4,06805	3,92147	1,106942283	N/A	N/A	N/A	XLOC_I2_007876
A_23_P4489	2,29487	2,1483	1,10693461	ENST00000583169	81832	NM_138966	NETO1
A_24_P82074	3,32122	3,17466	1,106926937	ENST00000298875	53981	NM_017437	CPSF2
A_33_P3387170	7,88847	7,74192	1,106919265	N/A	100129196	NR_034182	MATN1-AS1
A_33_P3320643	1,88594	1,73939	1,106919265	ENST00000504263	118425	NR_026555	PCAT4
A_21_P0011593	4,70087	4,55433	1,106911592	ENST00000358337	54853	N/A	WDR55
A_24_P576174	10,7601	10,6136	1,106880902	ENST00000610213	55802	NM_001290205	DCP1A
A_33_P3417281	9,79343	9,64698	1,106842541	ENST00000614666	4585	NM_018406	MUC4
A_23_P134914	1,83818	1,69177	1,106811854	ENST00000610554	4062	NM_002347	LY6H
A_33_P3390032	12,316	12,1696	1,106804182	ENST00000335146	23265	NM_001145297	EXOC7
A_33_P3256344	10,4792	10,3329	1,106727467	N/A	N/A	AK128866	N/A
A_23_P313961	9,4424	9,29611	1,106719795	ENST00000418431	10201	NM_005793	NME6
A_33_P3274439	1,82773	1,68149	1,10668144	ENST00000545630	102723895	NR_120585	LOC102723895
A_33_P3390048	12,3769	12,2307	1,106650757	ENST00000569957	283899	NM_173618	INO80E
A_22_P00001137	11,6955	11,5493	1,106650757	ENST00000534639	399881	NR_033868	HNRNPKP3
A_33_P3287680	4,92917	4,78301	1,106620074	ENST00000452776	255798	NM_001077657	SMCO1
A_21_P0008553	1,84237	1,69623	1,106604733	ENST00000568045	N/A	N/A	N/A
A_33_P3326275	4,26006	4,11393	1,106597063	N/A	N/A	AK026773	N/A
A_33_P3228266	15,0226	14,8765	1,106574052	ENST00000398409	1471	NM_000099	CST3
A_24_P261567	5,49432	5,34826	1,106543372	ENST00000443276	81544	NM_030792	GDPD5
A_19_P00318404	7,53306	7,387	1,106543372	ENST00000515544	100506035	NR_038826	LINC00989
A_21_P0002716	1,8193	1,67325	1,106535702	ENST00000490647	101926983	XR_241554	LOC101926983

A_21_P0001103	1,82256	1,67651	1,106535702	ENST00000418743	339505	N/A	LINC01141
A_24_P231057	7,07768	6,93165	1,106520362	ENST00000511119	259282	NM_148894	BOD1L1
A_23_P212475	15,8056	15,6596	1,106497353	ENST00000417962	51246	NM_016479	SHISA5
A_22_P00001725	3,67297	3,52697	1,106497353	N/A	101930595	XR_247607	LOC101930595
A_33_P3319126	1,88022	1,73423	1,106489683	ENST00000508064	1379	NM_175710	CR1L
A_22_P00001202	4,53592	4,38996	1,106466675	N/A	N/A	N/A	Inc-ANKK1-1
A_22_P00008097	1,84814	1,70218	1,106466675	N/A	N/A	BE263877	Inc-IL17B-1
A_23_P16166	8,33074	8,1848	1,106451336	ENST00000414982	10908	NM_006702	PNPLA6
A_22_P00006292	9,65157	9,50563	1,106451336	N/A	222584	NM_001010872	FAM83B
A_22_P00014575	6,85733	6,71141	1,106435998	ENST00000422405	100505518	NR_103853	EDNRB-AS1
A_33_P3877739	7,44089	7,29497	1,106435998	N/A	140768	AI821758	SMCR2
A_23_P206901	13,8785	13,7326	1,106420659	ENST00000571896	54820	NM_017668	NDE1
A_33_P3359160	11,3459	11,2	1,106420659	ENST00000621094	10712	NM_001267608	FAM189B
A_23_P216080	9,62837	9,48247	1,106420659	ENST00000307602	84376	NM_032410	HOOK3
A_23_P396328	1,86259	1,7167	1,10641299	ENST00000381022	8777	NM_003829	MPDZ
A_33_P3327723	2,03517	1,88931	1,106389983	N/A	N/A	N/A	N/A
A_33_P3301689	9,36519	9,21936	1,106366977	ENST00000361911	284695	NM_182975	ZNF326
A_19_P00322023	7,5344	7,38858	1,106359308	ENST00000447625	10904	N/A	BLCAP
A_21_P0001139	2,7892	2,64338	1,106359308	ENST00000448344	N/A	XR_426704	N/A
A_22_P00005668	1,85853	1,71275	1,106328634	N/A	51352	NR_023920	WT1-AS
A_21_P0008147	1,88121	1,73544	1,106320965	N/A	N/A	N/A	Inc-EPST11-3
A_33_P3277579	4,56459	4,41883	1,106313297	ENST00000503000	57732	NM_001172657	ZFYVE28
A_24_P70002	9,70714	9,5614	1,10629796	ENST00000382592	26524	NM_014572	LATS2
A_21_P0006309	5,68963	5,54395	1,106251951	N/A	N/A	N/A	Inc-AL162389.1-1
A_22_P00024097	1,7716	1,62592	1,106251951	N/A	N/A	N/A	Inc-BTNL8-2
A_22_P00025193	1,85663	1,71096	1,106244283	ENST00000560675	N/A	BX101575	N/A
A_33_P3216083	4,91352	4,76788	1,10622128	ENST00000275233	257218	NM_173082	SHPRH
A_33_P3325107	1,81505	1,66941	1,10622128	ENST00000453955	252952	NR_001549	TTY19
A_22_P00022540	1,83865	1,69302	1,106213612	ENST00000423233	N/A	N/A	N/A
A_33_P3388835	8,95447	8,80886	1,106198277	ENST00000595861	6813	NM_001272034	STXBP2
A_23_P87664	10,1162	9,97059	1,106198277	ENST00000546728	9733	NM_014706	SART3
A_23_P45726	12,7274	12,5818	1,106190609	ENST00000302271	10236	NM_005826	HNRNPR
A_23_P161171	6,07694	5,93138	1,10615994	ENST00000474434	56624	NM_019893	ASAH2

A_33_P3424143	5,55695	5,41144	1,106121604	N/A	9870	BX248747	AREL1
A_33_P3512350	5,60844	5,46293	1,106121604	ENST00000417695	339807	NR_034023	LOC339807
A_33_P3343705	1,81733	1,67183	1,106113937	ENST00000582835	442028	NR_037597	LOC442028
A_21_P0000178	1,85927	1,71377	1,106113937	N/A	54210	NM_001242589	TREM1
A_23_P321860	1,84217	1,69668	1,10610627	N/A	1756	NM_004019	DMD
A_33_P3375688	1,52025	1,37479	1,106083269	N/A	100129027	NR_038876	LOC100129027
A_22_P00024006	5,06761	4,92222	1,106029603	N/A	N/A	XM_002343116	Inc-FAM168A-2
A_22_P00015546	2,14424	1,99885	1,106029603	N/A	N/A	N/A	Inc-STK39-1
A_21_P0003204	2,81881	2,67343	1,106021937	N/A	N/A	N/A	Inc-ATP13A4-2
A_22_P00001847	7,26123	7,11591	1,105975939	N/A	100874039	NR_104326	THOC7-AS1
A_33_P3267296	13,3417	13,1964	1,105960607	ENST00000547789	51303	NM_016594	FKBP11
A_22_P00020795	1,80922	1,66395	1,10593761	N/A	101927556	XR_248213	LOC101927556
A_33_P3420078	7,59837	7,45316	1,105891616	ENST00000367368	84918	N/A	LRP11
A_24_P377489	13,1858	13,0406	1,105883951	ENST00000468078	51622	NM_015622	CCZ1
A_33_P3328426	11,7546	11,6094	1,105883951	ENST00000350459	55129	NM_001204831	ANO10
A_24_P55225	3,12159	2,97642	1,105860955	ENST00000372163	221421	NM_152732	RSPH9
A_22_P00001837	1,76747	1,62234	1,105830294	ENST00000561394	N/A	BU567213	N/A
A_22_P00001420	3,51803	3,37292	1,105814964	ENST00000530379	102723644	NR_120584	LINC01499
A_24_P236445	10,3255	10,1804	1,105807299	ENST00000258198	1783	NM_006141	DYNC1LI2
A_33_P3298430	3,77401	3,62896	1,105768976	ENST00000378116	221061	NM_001010924	FAM171A1
A_21_P0002588	3,26852	3,12352	1,105730653	N/A	N/A	N/A	Inc-FAM82A1-1
A_33_P3309501	7,45784	7,31287	1,105707661	ENST00000398460	55384	AK124580	MEG3
A_33_P3331233	1,8392	1,69424	1,105699996	ENST00000562905	N/A	N/A	N/A
A_23_P38723	10,0813	9,93636	1,105684668	ENST00000584897	23347	NM_015295	SMCHD1
A_21_P0005072	1,64353	1,49861	1,10566934	N/A	N/A	N/A	Inc-NOX3-2
A_33_P3386965	4,26237	4,11745	1,10566934	ENST00000368090	93183	NM_145167	PIGM
A_23_P152024	10,1273	9,9824	1,105654013	ENST00000564216	1445	NM_004383	CSK
A_21_P0001635	1,60613	1,46126	1,105631021	N/A	N/A	N/A	Inc-WDR26-3
A_23_P71270	5,36084	5,21598	1,105623358	ENST00000292401	563	NM_001185	AZGP1
A_23_P421935	9,44768	9,30282	1,105623358	ENST00000389384	56970	NM_020218	ATXN7L3
A_33_P3264612	9,09788	8,95304	1,105608031	ENST00000442692	219931	NM_139075	TPCN2
A_22_P00016289	3,42027	3,27544	1,105600367	ENST00000543451	N/A	N/A	N/A
A_21_P0011869	2,58275	2,43792	1,105600367	N/A	N/A	N/A	XLOC_l2_007731

A_23_P129144	8,16068	8,01585	1,105600367	ENST00000380568	100820829	NM_001018100	MYZAP
A_19_P00319640	7,58439	7,43958	1,10558504	ENST00000441036	150577	N/A	LINC01104
A_22_P00018287	8,6431	8,4983	1,105577377	ENST00000609864	N/A	BC011670	N/A
A_22_P00023356	10,4317	10,2869	1,105577377	N/A	N/A	N/A	Inc-C1orf222-2
A_32_P72940	16,4569	16,3121	1,105577377	ENST00000348462	11224	NM_007209	RPL35
A_24_P109351	9,02166	8,87689	1,105554388	ENST00000281496	23078	NM_001009814	VWA8
A_21_P0004764	1,79836	1,65361	1,105539061	N/A	N/A	N/A	Inc-SNAP91-1
A_23_P99424	10,6414	10,4967	1,105500747	ENST00000466153	7174	NM_003291	TPP2
A_22_P00011563	1,82569	1,68103	1,105470096	N/A	N/A	N/A	Inc-PCDH19-1
A_23_P43095	1,81252	1,66794	1,105408798	ENST00000518282	79776	NM_024721	ZFHX4
A_22_P00016526	1,87532	1,73077	1,105385812	ENST00000547094	N/A	N/A	N/A
A_33_P3292208	1,88383	1,73928	1,105385812	ENST00000421282	N/A	N/A	N/A
A_33_P3306659	4,47887	4,33434	1,105370488	N/A	728254	AB002446	LOC728254
A_33_P3332302	5,25949	5,11499	1,105347503	N/A	246754	NR_027025	MTVR2
A_22_P00000331	1,8391	1,69461	1,105339841	ENST00000578349	N/A	N/A	N/A
A_22_P00017515	4,49375	4,34934	1,10527855	N/A	N/A	N/A	Inc-WDFY4-1
A_22_P00007190	1,60962	1,46522	1,105270888	N/A	101927919	N/A	LOC101927919
A_21_P0000811	1,81395	1,66956	1,105263227	N/A	100507389	N/A	LOC100507389
A_22_P00012147	1,87611	1,73174	1,105247905	ENST00000512941	N/A	N/A	N/A
A_21_P0008530	6,68762	6,54326	1,105240244	N/A	N/A	N/A	Inc-NOVA1-1
A_33_P3330384	5,48517	5,34083	1,105224923	ENST00000325147	51272	NM_016526	BET1L
A_23_P123096	8,28934	8,14501	1,105217262	ENST00000429473	2792	NM_021955	GNGT1
A_33_P3259153	2,02108	1,87677	1,10520194	ENST00000448587	257000	NR_027064	TINCR
A_32_P218332	10,4625	10,3182	1,10519428	ENST00000542688	197322	NM_174917	ACSF3
A_22_P00018976	3,29946	3,15517	1,105186619	ENST00000568112	N/A	N/A	N/A
A_22_P00011802	1,84669	1,70242	1,105171298	ENST00000428222	101928336	N/A	LOC101928336
A_33_P3323699	6,51885	6,37459	1,105163638	ENST00000376476	4878	N/A	NPPA
A_23_P168592	5,39494	5,25071	1,105140657	ENST00000410069	90693	NM_138771	CCDC126
A_33_P3407062	3,74169	3,59746	1,105140657	ENST00000390468	N/A	AB306126	N/A
A_33_P3252099	4,88047	4,73628	1,105110016	ENST00000404261	126549	NM_152363	ANKLE1
A_22_P00014659	5,43573	5,29161	1,105056397	N/A	N/A	AL137356	Inc-SLC22A12-1
A_22_P00022578	1,85648	1,71237	1,105048737	N/A	N/A	DB013410	Inc-TMEM185B-1
A_21_P0001497	2,95317	2,80907	1,105041078	N/A	N/A	N/A	Inc-STIL-1

A_23_P41143	11,7772	11,6331	1,105041078	ENST00000469362	327	NM_001640	APEH
A_24_P941505	12,8341	12,69	1,105041078	ENST00000277165	23196	NM_014612	FAM120A
A_24_P341677	15,9232	15,7791	1,105041078	ENST00000459899	N/A	N/A	N/A
A_22_P00006453	1,86119	1,7171	1,105033418	ENST00000547006	101928244	N/A	TESC-AS1
A_23_P210131	7,62554	7,48158	1,104933849	ENST00000619511	N/A	XR_251128	N/A
A_33_P3336302	1,56442	1,4205	1,104903214	N/A	N/A	N/A	N/A
A_22_P00016330	11,7181	11,5742	1,104887897	N/A	N/A	DA554227	Inc-TMEM151A-1
A_23_P5221	6,37547	6,23157	1,104887897	ENST00000598161	84449	NM_032433	ZNF333
A_33_P3277784	1,554	1,4101	1,104887897	ENST00000372179	84628	AY358165	NTNG2
A_22_P00006809	1,83493	1,69103	1,104887897	N/A	N/A	BG221947	Inc-GABPA-3
A_33_P3233459	4,86051	4,71667	1,104841947	ENST00000485805	100287879	NR_033978	LINC00994
A_22_P00001706	1,52033	1,37649	1,104841947	ENST00000508366	N/A	XR_108587	N/A
A_23_P97457	7,64281	7,49904	1,104788341	ENST00000474863	64853	NM_022831	AIDA
A_23_P371765	3,46835	3,32459	1,104780683	ENST00000291672	84221	NM_032261	SPATC1L
A_22_P00016832	1,83078	1,68705	1,10475771	ENST00000457725	102723894	XR_424244	LOC102723894
A_22_P00004664	1,87677	1,73304	1,10475771	N/A	102724973	XR_433192	LOC102724973
A_23_P206369	13,8224	13,6787	1,104734738	ENST00000304800	29100	NM_014187	TMEM208
A_33_P3265494	2,3035	2,1598	1,104734738	ENST00000339488	442213	NM_001013732	PTCHD4
A_32_P157208	2,53826	2,39457	1,10472708	ENST00000620326	101929127	NR_121188	PGM5P3-AS1
A_23_P312174	9,18642	9,04273	1,10472708	ENST00000613296	7840	NM_015120	ALMS1
A_22_P00003609	1,79921	1,65554	1,104711766	N/A	N/A	N/A	Inc-CD38-1
A_32_P216734	3,88032	3,73666	1,104704108	ENST00000333385	441272	NM_001004351	SPDYE3
A_33_P3495962	8,45383	8,31022	1,104665823	N/A	26777	BM918074	SNORA71A
A_21_P0011282	3,35461	3,21103	1,104642852	ENST00000621052	N/A	N/A	N/A
A_33_P3221718	3,70895	3,56539	1,104627539	N/A	100129373	AK127907	LOC100129373
A_21_P0003947	1,79157	1,64801	1,104627539	N/A	101929081	N/A	CTD-2194D22.4
A_33_P3349395	7,53414	7,39061	1,104604569	N/A	27443	XM_006724079	CECR2
A_21_P0001396	1,8476	1,70412	1,104566287	N/A	N/A	N/A	Inc-NPL-1
A_23_P122947	7,86348	7,72008	1,104505039	ENST00000470500	23080	NM_015060	AVL9
A_22_P00019020	3,11924	2,97587	1,104482071	N/A	N/A	N/A	Inc-RP11-410N8.4.1-1
A_33_P3239759	6,27732	6,13397	1,10446676	ENST00000321826	692312	NM_001198690	PPAN-P2RY11
A_19_P00320718	3,87083	3,72751	1,104443793	ENST00000598215	100505495	NR_040109	PCAT19
A_33_P3422679	8,91732	8,77404	1,104413172	ENST00000445951	317662	NM_173348	FAM149B1

A_22_P00019683	3,87555	3,73228	1,104405517	N/A	N/A	CK430929	Inc-STX16-1
A_21_P0008302	1,81751	1,6743	1,104359587	N/A	N/A	N/A	Inc-RP11-80A15.1.1-5
A_33_P3288079	1,80372	1,66052	1,104351932	N/A	N/A	N/A	N/A
A_21_P0001804	2,70278	2,55962	1,104321314	N/A	101930516	N/A	LOC101930516
A_23_P112825	12,209	12,0659	1,104275387	ENST00000380966	51451	NM_016309	LCMT1
A_24_P10657	10,9313	10,7882	1,104275387	ENST00000407327	57153	NM_020428	SLC44A2
A_32_P217543	1,85726	1,71417	1,104267733	N/A	102724921	XM_006712159	LOC102724921
A_22_P00011042	3,53008	3,38704	1,104229462	ENST00000578788	N/A	XR_248321	N/A
A_33_P3419049	2,71477	2,57173	1,104229462	ENST00000531780	N/A	N/A	N/A
A_33_P3320772	4,99678	4,85378	1,104198847	ENST00000244769	6310	NM_000332	ATXN1
A_33_P3256105	6,39735	6,25437	1,10418354	ENST00000425409	100288687	NM_001293798	DUX4
A_32_P133884	9,38452	9,24155	1,104175886	ENST00000358022	286319	NM_001004125	TUSC1
A_23_P82047	7,04689	6,90394	1,104160579	N/A	134957	NM_001127715	STXBP5
A_21_P0012795	1,80979	1,66685	1,104152926	ENST00000513332	N/A	N/A	N/A
A_33_P3268686	3,70735	3,56443	1,104137619	ENST00000296438	285231	NM_207102	FBXW12
A_22_P00024591	1,97953	1,83663	1,104122313	ENST00000431646	101927449	N/A	LINC01282
A_22_P00017717	1,55115	1,40826	1,104114659	ENST00000509506	N/A	N/A	N/A
A_24_P108779	6,28497	6,14209	1,104107006	ENST00000610767	79734	NM_024681	KCTD17
A_23_P41888	10,0273	9,88443	1,104099353	ENST00000510991	85007	NM_153373	PHYKPL
A_21_P0010627	1,88035	1,73748	1,104099353	N/A	N/A	N/A	XLOC_I2_000961
A_21_P0003421	1,79252	1,64968	1,104076394	ENST00000508265	N/A	N/A	N/A
A_22_P00017979	1,82247	1,67965	1,104061089	ENST00000455848	104355137	N/A	LINC01072
A_22_P00020005	1,84936	1,70654	1,104061089	N/A	N/A	N/A	Inc-C1orf106-2
A_33_P3263027	6,28891	6,1461	1,104053436	N/A	100289120	BE266556	LOC100289120
A_32_P783	17,9406	17,7978	1,104045783	ENST00000451614	6168	N/A	RPL37A
A_33_P3232086	1,81118	1,66841	1,104022826	N/A	57126	AJ310433	CD177
A_23_P1173	1,68526	1,54249	1,104022826	ENST00000351270	3026	NM_004132	HABP2
A_22_P00023206	5,4111	5,26835	1,104007521	N/A	340544	NR_038978	MORF4L2-AS1
A_33_P3244274	9,93752	9,79484	1,103953955	N/A	727800	BC016958	RNF208
A_33_P3414137	1,87257	1,73004	1,103839181	N/A	392862	NM_001145118	GRID2IP
A_21_P0004355	3,16098	3,01847	1,103823878	ENST00000505443	285577	NR_033898	LINC01019
A_24_P217330	7,35463	7,21214	1,103808576	ENST00000344697	84892	NM_032806	POMGNT2
A_33_P3333810	9,31669	9,1742	1,103808576	ENST00000523111	7336	NM_003350	UBE2V2

A_22_P00002573	2,60918	2,4667	1,103800925	ENST00000574589	100506388	NM_001242780	LOC100506388
A_33_P3244753	8,58748	8,44502	1,103785623	ENST00000538510	1821	NM_001939	DRP2
A_22_P00025394	1,86565	1,72324	1,10374737	N/A	N/A	N/A	Inc-ANKRD6-1
A_33_P3354322	17,0187	16,8764	1,103663216	ENST00000419783	2876	NM_201397	GPX1
A_33_P3218188	12,2	12,0577	1,103663216	ENST00000524270	84727	NM_032641	SPSB2
A_33_P3217609	5,12611	4,98382	1,103655567	ENST00000441162	25771	NR_104292	TBC1D22A
A_22_P00005013	1,8785	1,73621	1,103655567	N/A	N/A	N/A	Inc-DDX20-2
A_22_P00012325	2,18359	2,04133	1,103632617	N/A	N/A	N/A	Inc-PRB1-1
A_23_P44648	4,19991	4,05767	1,103617317	ENST00000352040	81792	NM_030955	ADAMTS12
A_23_P419624	13,5077	13,3655	1,103586719	ENST00000414542	10904	NM_006698	BLCAP
A_21_P0004167	4,46313	4,32099	1,103540823	N/A	N/A	N/A	Inc-REEP5-1
A_22_P00019153	1,77843	1,63632	1,103517876	N/A	N/A	DT219892	Inc-FANCF-3
A_33_P3278159	7,84309	7,70098	1,103517876	N/A	N/A	N/A	N/A
A_21_P0004468	11,2037	11,0616	1,103510227	N/A	N/A	N/A	Inc-FBXW11-2
A_21_P0006244	1,83043	1,68838	1,103471983	N/A	102724193	XR_426460	LOC102724193
A_22_P00008933	3,90713	3,76509	1,103464334	ENST00000549830	283404	NR_027358	LINC00592
A_23_P48109	8,15814	8,0161	1,103464334	ENST00000305108	4815	NM_016533	NINJ2
A_21_P0000662	5,02085	4,87882	1,103456686	ENST00000412425	100131320	NR_036537	RAB6C-AS1
A_21_P0008329	5,81475	5,67273	1,103449037	ENST00000556620	N/A	N/A	N/A
A_23_P110661	12,3722	12,2302	1,10343374	ENST00000506750	23517	NM_015360	SKIV2L2
A_23_P15123	10,9287	10,7867	1,10343374	ENST00000563366	56061	NM_019116	UBFD1
A_22_P00017016	6,00982	5,86784	1,103418443	N/A	N/A	CU675878	Inc-TTC4-1
A_33_P3321263	1,88069	1,73875	1,10338785	ENST00000328113	N/A	N/A	N/A
A_33_P3239143	8,76951	8,62758	1,103380202	ENST00000425453	162968	NM_198458	ZNF497
A_22_P00007770	3,5274	3,38547	1,103380202	ENST00000280098	339745	NM_001001664	SPOPL
A_23_P1014	9,73531	9,5934	1,103364906	ENST00000610948	84791	NR_026761	LINC00467
A_21_P0000426	1,77107	1,62917	1,103357258	N/A	767610	NR_003222	SNORD114-29
A_33_P3295917	1,80784	1,66595	1,103349611	ENST00000518982	3574	AB102885	IL7
A_24_P329597	8,92369	8,78184	1,10331902	ENST00000533705	29979	NM_013438	UBQLN1
A_33_P3294317	1,81447	1,67265	1,103296077	ENST00000569362	101928880	NR_110944	LOC101928880
A_33_P7455793	6,66685	6,52512	1,103227252	N/A	100505538	NR_038991	RBM26-AS1
A_21_P0013577	3,68846	3,54674	1,103219605	N/A	N/A	N/A	XLOC_I2_014830
A_23_P259594	7,51598	7,37428	1,103204311	ENST00000342266	9465	NM_016377	AKAP7



A_22_P00017019	3,84402	3,70232	1,103204311	N/A	N/A	N/A	Inc-TTC40-3
A_23_P151544	9,44485	9,30319	1,103173724	ENST00000614817	57062	NM_020414	DDX24
A_24_P297551	2,10396	1,9623	1,103173724	ENST00000549379	338811	NM_178539	FAM19A2
A_33_P3593715	1,85777	1,71611	1,103173724	N/A	400866	AY204748	LINC00114
A_22_P00006260	3,46564	3,32398	1,103173724	ENST00000581192	400657	N/A	LINC00909
A_21_P0005544	2,65883	2,51718	1,103166078	N/A	N/A	N/A	Inc-XRCC2-3
A_21_P0003703	1,83965	1,698	1,103166078	N/A	N/A	N/A	Inc-TRIML1-5
A_21_P0012649	4,37198	4,23033	1,103166078	ENST00000513501	N/A	N/A	N/A
A_33_P3233841	10,389	10,2474	1,103127846	ENST00000583149	3572	NM_002184	IL6ST
A_21_P0000106	17,9076	17,766	1,103127846	ENST00000604952	100463482	NM_001190487	MTRNR2L6
A_33_P3266780	8,60872	8,46716	1,103097261	ENST00000342480	50512	NM_015720	PODXL2
A_33_P3351785	1,83474	1,6932	1,103081969	N/A	100131599	AK126221	LOC100131599
A_22_P00003095	5,11442	4,97292	1,103051385	ENST00000523284	102724710	NR_125827	LOC102724710
A_33_P3424272	13,8706	13,7291	1,103051385	ENST00000575785	79903	NM_001083601	NAA60
A_33_P3407742	8,54109	8,39964	1,103013157	ENST00000409486	5495	NM_002706	PPM1B
A_22_P00004687	5,18662	5,04517	1,103013157	ENST00000504578	N/A	N/A	N/A
A_23_P307328	8,5425	8,40107	1,102997866	ENST00000514045	7468	NM_007331	WHSC1
A_21_P0006797	4,61549	4,47409	1,10297493	ENST00000434988	N/A	N/A	N/A
A_21_P0011924	2,39874	2,25734	1,10297493	N/A	N/A	N/A	XLOC_I2_008047
A_23_P67381	1,65463	1,51328	1,102936705	ENST00000222002	6822	NM_003167	SULT2A1
A_33_P3380850	2,52974	2,38845	1,102890836	ENST00000428433	5076	NM_003990	PAX2
A_24_P15754	9,98619	9,84491	1,102883191	ENST00000448659	10452	NM_006114	TOMM40
A_22_P00019111	2,88769	2,74643	1,102867902	ENST00000457890	N/A	N/A	N/A
A_23_P305977	1,80397	1,66272	1,102860258	ENST00000567662	196996	NM_001012642	GRAMD2
A_32_P206104	1,84157	1,70033	1,102852613	ENST00000431307	101929541	NR_125983	LOC101929541
A_22_P00014650	3,94547	3,80433	1,102776172	N/A	N/A	DR731427	Inc-SLC1A1-3
A_23_P58983	9,88277	9,74167	1,102745597	ENST00000373491	55633	NM_017772	TBC1D22B
A_22_P00005237	1,809	1,66795	1,102707379	N/A	N/A	N/A	Inc-DLL1-5
A_22_P00004365	1,81683	1,67579	1,102699736	N/A	N/A	N/A	Inc-COL4A2-1
A_22_P00013844	3,29148	3,15047	1,102676806	N/A	102724784	NR_120590	LOC102724784
A_22_P00022247	2,27793	2,13692	1,102676806	N/A	N/A	N/A	Inc-SLC7A13-2
A_24_P260134	8,15347	8,01247	1,102669163	ENST00000296202	349565	NM_178177	NMNAT3
A_23_P153441	12,2578	12,1169	1,102592735	ENST00000589915	29911	NM_013312	HOKK2

A_21_P0003590	1,85623	1,71538	1,102554522	N/A	N/A	N/A	Inc-STIM2-3
A_33_P3292495	4,5535	4,41268	1,102531595	N/A	N/A	AK096395	Inc-GAPDH-3
A_22_P00011573	2,64077	2,49999	1,102501027	ENST00000515292	102723778	N/A	LOC102723778
A_24_P710999	1,79171	1,651	1,102447535	ENST00000441416	N/A	N/A	N/A
A_21_P0012621	2,07307	1,93236	1,102447535	N/A	N/A	N/A	XLOC_I2_010875
A_23_P402287	10,6386	10,4979	1,102439893	ENST00000316334	222484	NM_153371	LNx2
A_23_P254179	12,7846	12,6439	1,102439893	ENST00000396032	23394	NM_015339	ADNP
A_22_P00002570	3,92993	3,78924	1,102432252	N/A	N/A	N/A	Inc-C17orf97-1
A_24_P366607	2,26833	2,12769	1,102394045	ENST00000315190	400120	NM_203451	SERTM1
A_23_P54576	8,72671	8,58607	1,102394045	ENST00000564136	3801	NM_005550	KIFC3
A_22_P00000647	1,87127	1,73064	1,102386404	ENST00000550138	102724663	NR_120491	LOC102724663
A_22_P00022449	1,83135	1,69072	1,102386404	N/A	N/A	N/A	Inc-HSPB7-1
A_33_P3239527	1,8216	1,68098	1,102378763	N/A	100128517	AK126772	LOC100128517
A_22_P00008669	5,01735	4,87674	1,102371122	ENST00000574293	N/A	N/A	N/A
A_23_P134614	10,8529	10,7123	1,102363481	ENST00000297135	10466	NM_006348	COG5
A_21_P0011831	8,71007	8,56953	1,102317636	N/A	N/A	N/A	XLOC_I2_007456
A_21_P0014933	1,84834	1,70786	1,102271792	N/A	N/A	N/A	Inc-TANC1-1
A_22_P00000819	2,26087	2,1204	1,102264152	ENST00000583427	N/A	N/A	N/A
A_33_P3228612	1,80409	1,66363	1,102256512	ENST00000367570	777	NM_001205293	CACNA1E
A_24_P336931	6,15108	6,01063	1,102248872	ENST00000461153	375248	NM_001164315	ANKRD36
A_33_P3268989	1,87961	1,73919	1,102225951	N/A	N/A	N/A	N/A
A_33_P3379436	17,8354	17,695	1,102210671	ENST00000621724	401508	NR_110998	FAM74A4
A_33_P3351693	1,87681	1,73649	1,102149553	ENST00000531371	643733	N/A	LOC643733
A_23_P60387	8,06472	7,92442	1,102134274	ENST00000277541	4851	NM_017617	NOTCH1
A_33_P3424861	9,21936	9,07909	1,102111356	ENST00000216214	55007	NM_001104595	FAM118A
A_21_P0011093	3,54247	3,40221	1,102103717	N/A	N/A	N/A	XLOC_I2_003335
A_23_P68846	1,6012	1,46097	1,1020808	ENST00000536101	84700	NM_032608	MYO18B
A_33_P3268838	1,8719	1,73169	1,102065522	ENST00000620212	64506	NM_001288819	CPEB1
A_23_P204448	14,5549	14,4147	1,102057883	ENST00000544314	51433	NM_016237	ANAPC5
A_23_P97250	11,5633	11,4231	1,102057883	ENST00000437809	54856	NM_001282860	GON4L
A_22_P00019385	1,8509	1,7107	1,102057883	N/A	101928408	XR_250527	LOC101928408
A_33_P3366824	2,99414	2,85397	1,102034967	ENST00000519382	6399	AK310542	TRAPPC2
A_22_P00013043	4,6921	4,55196	1,102012051	ENST00000437712	N/A	N/A	N/A

A_32_P86150	10,8285	10,6884	1,101981497	ENST00000303037	440387	NM_001025200	CTRB2
A_23_P213883	11,2056	11,0655	1,101981497	ENST00000621733	25836	NM_133433	NIPBL
A_33_P3395310	4,67622	4,53613	1,101973858	N/A	N/A	N/A	N/A
A_22_P00021902	4,91942	4,77934	1,10196622	ENST00000438113	101929539	NR_110540	LINC01422
A_23_P388681	8,89192	8,75186	1,101950944	ENST00000596459	1994	NM_001419	ELAVL1
A_23_P114299	2,36067	2,22062	1,101943306	ENST00000373691	2833	NM_001504	CXCR3
A_21_P00111110	1,84401	1,70401	1,101905116	ENST00000345111	100507206	NR_038256	LINC00943
A_21_P0014121	1,52403	1,38403	1,101905116	N/A	N/A	N/A	N/A
A_21_P0000489	11,9828	11,8428	1,101905116	N/A	692227	NR_004380	SNORD104
A_21_P0008747	2,8087	2,66877	1,101851652	N/A	N/A	N/A	Inc-DAPK2-1
A_33_P3213910	5,39411	5,2542	1,101836378	ENST00000490279	257106	NM_181720	ARHGAP30
A_33_P3371144	11,2182	11,0783	1,10182874	N/A	N/A	N/A	N/A
A_23_P310911	10,5638	10,424	1,10175237	ENST00000578795	642	NM_000386	BLMH
A_33_P3297621	10,4642	10,3244	1,10175237	ENST00000375199	23065	NM_015047	EMC1
A_24_P255845	5,47561	5,33582	1,101744733	ENST00000537175	N/A	N/A	N/A
A_33_P3290567	9,87299	9,7332	1,101744733	ENST00000299613	7465	NM_003390	WEE1
A_21_P0008062	5,16883	5,02906	1,10172946	N/A	N/A	N/A	Inc-LRCH1-1
A_33_P8802634	1,8246	1,68486	1,10170655	ENST00000460744	10225	DB214321	CD96
A_33_P3282384	6,52211	6,38237	1,10170655	ENST00000429602	375484	XM_005265909	SIMC1
A_21_P0000735	1,79915	1,65943	1,101691278	ENST00000593667	100507629	NR_038239	LINC00658
A_32_P78623	1,84183	1,70215	1,101660733	N/A	401098	XR_241645	LOC401098
A_21_P0010399	5,20699	5,06733	1,10164546	N/A	N/A	N/A	Inc-RGL4-3
A_22_P00016042	1,87515	1,7355	1,101637824	N/A	101927492	NR_110227	LOC101927492
A_21_P0012508	7,67561	7,53619	1,101462211	ENST00000462937	201651	N/A	AADACP1
A_21_P0006202	4,23117	4,0918	1,101424038	N/A	N/A	N/A	Inc-RAD23B-2
A_21_P0001407	3,63858	3,49923	1,101408769	N/A	N/A	N/A	Inc-MFSD4-2
A_33_P3382041	1,85363	1,7143	1,1013935	ENST00000603536	N/A	N/A	N/A
A_21_P0006888	1,84656	1,70724	1,101385866	N/A	N/A	N/A	Inc-FAM190B-1
A_23_P168062	10,9243	10,785	1,101370598	ENST00000376442	8449	NM_003587	DHX16
A_24_P417606	16,7009	16,5617	1,101294259	ENST00000450819	N/A	N/A	N/A
A_23_P72627	14,8842	14,745	1,101294259	ENST00000329138	9146	NM_004712	HGS
A_32_P203917	3,4642	3,325	1,101294259	ENST00000263408	735	NM_001737	C9
A_23_P150092	11,1511	11,0119	1,101294259	ENST00000378614	22929	NM_012247	SEPHS1

A_33_P3284004	2,34423	2,20506	1,101271359	ENST00000548527	253724	NR_027249	GNN
A_33_P3333560	4,75323	4,61408	1,101256092	N/A	N/A	N/A	N/A
A_24_P269619	11,5683	11,4292	1,101217926	ENST00000518725	1666	NM_001359	DECR1
A_24_P74508	1,79647	1,65741	1,101187394	ENST00000399813	83733	AB528235	SLC25A18
A_22_P00025161	1,85246	1,71345	1,101149231	N/A	N/A	CD690935	Inc-ZDHH13-1
A_23_P46812	4,4325	4,29351	1,101133966	ENST00000614585	22849	NM_014912	CPEB3
A_23_P7901	1,8156	1,67661	1,101133966	ENST00000239587	83887	NM_031949	TTLL2
A_23_P75820	1,83892	1,69995	1,101118701	ENST00000612278	283238	NM_001136506	SLC22A24
A_21_P0001374	8,9798	8,84083	1,101118701	ENST00000584793	284565	XR_426769	NBPF15
A_23_P328740	6,41922	6,28032	1,101065275	ENST00000451794	93082	NM_001285486	NEURL3
A_33_P3389286	17,2742	17,1353	1,101065275	ENST00000339276	2810	NM_006142	SFN
A_22_P00001439	1,84823	1,70935	1,101050012	N/A	N/A	N/A	Inc-APOBEC3F-1
A_32_P191895	7,89436	7,75552	1,101019484	N/A	N/A	BC045716	N/A
A_22_P00005136	3,39667	3,25783	1,101019484	N/A	N/A	N/A	Inc-DHX37-2
A_33_P3289501	2,26723	2,12841	1,101004221	ENST00000603883	N/A	N/A	N/A
A_21_P0012597	2,32891	2,1901	1,10099659	N/A	N/A	N/A	XLOC_I2_010724
A_24_P191588	10,8442	10,7054	1,100988958	ENST00000469224	211	NM_000688	ALAS1
A_23_P30745	12,9173	12,7785	1,100988958	ENST00000244711	4201	NM_014623	MEA1
A_19_P00321063	3,41811	3,27933	1,100973695	ENST00000504823	285550	N/A	FAM200B
A_33_P3323074	6,67545	6,53674	1,100920277	ENST00000366911	56895	NM_020133	AGPAT4
A_23_P218751	11,0416	10,9029	1,100912646	ENST00000460402	54584	NM_053004	GNB1L
A_21_P0011186	4,42625	4,28756	1,100905015	ENST00000606619	100887750	N/A	MRPS31P5
A_33_P3313559	3,74913	3,61045	1,100897384	N/A	94101	AK126336	ORMDL1
A_33_P3236340	5,43488	5,2962	1,100897384	ENST00000624473	N/A	AF289593	N/A
A_21_P0004333	1,85414	1,7155	1,100866861	N/A	N/A	N/A	Inc-NEURL1B-3
A_22_P00025136	1,82015	1,68151	1,100866861	N/A	N/A	AK092902	Inc-TIGIT-1
A_24_P338992	10,053	9,91437	1,100859231	ENST00000315127	80153	NM_025083	EDC3
A_33_P3417464	1,81271	1,6741	1,10084397	N/A	N/A	N/A	N/A
A_33_P3421275	6,32205	6,18344	1,10084397	ENST00000518699	157848	NM_152568	NKX6-3
A_23_P21548	6,90869	6,77011	1,100821078	ENST00000506054	79658	NM_024605	ARHGAP10
A_22_P00002665	1,79725	1,6587	1,100798188	ENST00000449525	N/A	N/A	N/A
A_33_P3242369	1,89827	1,75972	1,100798188	N/A	N/A	AF370399	N/A
A_19_P00315691	3,86712	3,72862	1,100760038	N/A	N/A	N/A	Inc-MACC1-1

A_23_P138352	3,96152	3,82303	1,100752408	ENST00000256640	7482	NM_004185	WNT2B
A_33_P3342076	6,31138	6,1729	1,100744778	ENST00000343137	7799	NM_015866	PRDM2
A_33_P3397161	7,76785	7,6294	1,100721889	N/A	220070	NR_073536	SHANK2-AS3
A_23_P23542	9,85993	9,7215	1,10070663	ENST00000477322	79871	NM_024813	RPAP2
A_24_P211849	1,82709	1,68868	1,100691371	ENST00000492961	57057	NM_001166220	TBX20
A_23_P252700	12,5865	12,4481	1,100683741	ENST00000409975	25972	NM_014044	UNC50
A_23_P136310	1,83827	1,69992	1,100645595	ENST00000396292	80036	NM_001007471	TRPM3
A_24_P348203	9,31202	9,17369	1,100630337	ENST00000306708	80131	NM_025061	LRRRC8E
A_21_P0002011	1,80723	1,66891	1,100622708	ENST00000444688	339789	N/A	LINC00299
A_21_P0006076	5,49623	5,35792	1,100615079	N/A	N/A	N/A	Inc-FAM27E1.1-1
A_24_P398810	8,57515	8,43685	1,10060745	ENST00000216554	1983	NM_001969	EIF5
A_24_P639505	10,9616	10,8233	1,10060745	ENST00000469135	10228	NM_005819	STX6
A_21_P0011621	1,81071	1,67242	1,100599822	N/A	N/A	N/A	Inc-GGNBP2-1
A_21_P0011763	2,30758	2,16932	1,100576936	N/A	N/A	N/A	XLOC_I2_007135
A_24_P217365	9,53546	9,39721	1,100569307	ENST00000412318	23243	NM_015199	ANKRD28
A_33_P3213463	14,9515	14,8133	1,100531165	ENST00000313468	4728	NM_002496	NDUFS8
A_21_P0013768	6,78968	6,65153	1,100493024	N/A	N/A	N/A	XLOC_I2_015542
A_22_P00007971	1,83019	1,69205	1,100485396	N/A	N/A	AK124121	Inc-IDE-1
A_33_P3709525	2,10107	1,96294	1,100477768	ENST00000531609	100128233	NR_103769	LOC100128233
A_23_P359245	15,7742	15,6361	1,100454884	ENST00000397752	4233	NM_000245	MET
A_21_P0007975	1,87421	1,73611	1,100454884	ENST00000413124	100874182	AK057351	LINC00424
A_33_P3322085	2,35319	2,2151	1,100447257	N/A	115196	NM_001102651	ZNF554
A_33_P3383371	5,32649	5,18842	1,100432001	N/A	N/A	N/A	N/A
A_33_P3353273	1,78095	1,64289	1,100424374	ENST00000458075	N/A	N/A	N/A
A_33_P3374684	5,44478	5,30676	1,100393864	ENST00000562068	N/A	N/A	N/A
A_33_P7380829	18,1725	18,0345	1,100378609	ENST00000463390	55720	NM_018128	TSR1
A_21_P0010802	4,99553	4,85759	1,100332847	N/A	N/A	N/A	XLOC_I2_001448
A_32_P456318	1,8531	1,71518	1,100317593	ENST00000452027	135295	NM_080743	SRSF12
A_19_P00315922	3,0695	2,93168	1,100241328	ENST00000325239	57705	NM_020945	WDFY4
A_22_P00002607	1,92868	1,79086	1,100241328	ENST00000569734	146336	NR_027242	SSTR5-AS1
A_32_P51905	13,2218	13,084	1,100226075	ENST00000614420	57179	NM_020444	KIAA1191
A_32_P216872	10,0149	9,8771	1,100226075	N/A	283970	BX647358	PDXDC2P
A_21_P0010986	13,1287	12,9909	1,100226075	ENST00000393668	7307	NM_001025204	U2AF1

A_23_P33816	1,84139	1,70363	1,100195571	ENST00000303868	83889	NM_001291088	WDR87
A_33_P3266195	1,9528	1,81505	1,100187945	N/A	N/A	N/A	N/A
A_32_P224666	6,6612	6,5235	1,100149816	ENST00000361183	830	NM_006136	CAPZA2
A_22_P00004092	2,14729	2,00961	1,100134565	N/A	N/A	N/A	Inc-CIT-5
A_33_P3319140	5,21182	5,07415	1,100126939	ENST00000607822	N/A	XR_428272	N/A
A_33_P3351097	7,02765	6,89004	1,100081187	ENST00000498782	N/A	N/A	N/A
A_32_P157945	15,2646	15,127	1,100073562	ENST00000418664	1832	NM_004415	DSP
A_23_P430201	8,40376	8,26621	1,100035437	ENST00000555265	145508	NM_152446	CEP128
A_21_P0005572	3,64593	3,50841	1,100012563	N/A	N/A	N/A	Inc-PIK3CG-3
A_33_P3368895	5,26477	5,12728	1,099989689	N/A	N/A	N/A	Inc-UXS1-4
A_33_P3292235	4,25648	4,11899	1,099989689	ENST00000342820	152559	BC031256	PAQR3
A_23_P120953	5,12801	4,99058	1,099943942	ENST00000477564	253190	NM_014509	SERHL2
A_21_P0014259	4,67816	4,5408	1,099890574	N/A	N/A	N/A	N/A
A_33_P3339388	1,79201	1,65467	1,099875326	N/A	N/A	N/A	N/A
A_33_P3306526	14,9306	14,7933	1,099844832	N/A	N/A	N/A	N/A
A_21_P0007898	1,84509	1,7078	1,099837208	N/A	N/A	N/A	Inc-DHX37-9
A_23_P317184	10,1333	9,99605	1,099806715	ENST00000496479	9209	NM_006309	LRRFIP2
A_22_P00015762	3,7295	3,59227	1,099791468	N/A	N/A	BG210741	Inc-TAF4B-8
A_24_P389994	7,10614	6,96894	1,099768599	ENST00000498806	65220	NM_023018	NADK
A_33_P3319302	1,82943	1,69225	1,099753353	ENST00000410083	2159	AK310775	F10
A_32_P9382	11,2965	11,1594	1,099692372	ENST00000377818	440145	NM_001071775	MZT1
A_21_P0011562	7,21667	7,0796	1,099669504	N/A	N/A	N/A	XLOC_I2_005933
A_21_P0005556	4,45436	4,31738	1,099600906	N/A	N/A	N/A	Inc-EPDR1-1
A_21_P0012090	1,82414	1,68717	1,099593284	ENST00000449170	N/A	N/A	N/A
A_23_P20101	3,4638	3,32683	1,099593284	ENST00000247881	50832	NM_016944	TAS2R4
A_21_P0001287	1,83003	1,69309	1,099570419	N/A	N/A	N/A	Inc-UTP11L-4
A_21_P0014366	1,79334	1,65642	1,099555175	ENST00000578367	N/A	XR_133157	N/A
A_21_P0014770	2,07441	1,93752	1,099532311	N/A	N/A	N/A	N/A
A_22_P00005618	6,36135	6,22447	1,09952469	ENST00000513039	N/A	BF670842	N/A
A_23_P111155	2,00073	1,86386	1,099517068	ENST00000375527	221527	NM_181842	ZBTB12
A_23_P132826	1,79517	1,65833	1,099494205	ENST00000471111	5276	NM_006217	SERPINI2
A_23_P17275	5,02274	4,88592	1,099478963	ENST00000380809	51277	NM_016544	DNAJC27
A_33_P3343577	1,84519	1,70839	1,099463721	ENST00000611462	N/A	AB305952	N/A

A_23_P393425	10,5674	10,4306	1,099463721	ENST00000453514	167153	NM_173797	PAPD4
A_22_P00024118	1,83978	1,70299	1,0994561	ENST00000469806	N/A	N/A	N/A
A_21_P0013993	6,06882	5,93204	1,099448479	ENST00000478918	90736	NM_138362	FAM104B
A_21_P0001714	1,87561	1,73885	1,099433238	N/A	N/A	N/A	Inc-KIAA1383-1
A_23_P96827	4,42487	4,28812	1,099425617	ENST00000255040	325	NM_001639	APCS
A_32_P54242	5,65849	5,52174	1,099425617	ENST00000326877	254251	NM_153686	LCORL
A_23_P418373	12,3923	12,2556	1,099387514	ENST00000250405	599	NM_004050	BCL2L2
A_23_P92948	10,0416	9,90491	1,099379894	ENST00000512635	133619	NM_130809	PRRC1
A_21_P0005416	1,80842	1,67177	1,099349413	N/A	N/A	N/A	Inc-C7orf53-1
A_33_P3351474	8,75252	8,61589	1,099334173	ENST00000394961	56916	NM_001128429	SMARCAD1
A_23_P8432	14,3211	14,1845	1,099311313	ENST00000474823	10980	NM_006833	COPS6
A_23_P94533	14,1637	14,0271	1,099311313	ENST00000375894	1514	NM_001912	CTSL
A_23_P88134	8,97863	8,84205	1,099296074	ENST00000561468	51550	NM_032630	CINP
A_21_P0011042	1,82405	1,68749	1,099280834	N/A	N/A	N/A	XLOC_I2_002913
A_33_P3436732	6,08313	5,94658	1,099273215	N/A	259234	NR_027695	DSCR10
A_22_P00020786	1,78729	1,65075	1,099265595	N/A	N/A	N/A	Inc-TNN-2
A_33_P3322724	9,90602	9,7695	1,099250356	ENST00000372371	11128	NM_007055	POLR3A
A_33_P3263307	15,1973	15,0608	1,099235117	ENST00000455915	5905	NM_001278651	RANGAP1
A_21_P0006783	1,79697	1,66048	1,099227498	ENST00000422744	N/A	N/A	N/A
A_24_P304154	8,64035	8,50387	1,099219879	ENST00000396553	272	NM_001025390	AMPD3
A_23_P29769	9,31462	9,17815	1,09921226	ENST00000494754	25937	NM_015472	WWTR1
A_24_P34545	8,5348	8,39835	1,099197022	ENST00000493261	84289	NM_032329	ING5
A_33_P3217719	6,8224	6,68597	1,099181784	ENST00000376472	7088	NM_001303103	TLE1
A_23_P206960	10,987	10,8506	1,099158927	ENST00000431431	6397	NM_003003	SEC14L1
A_33_P3296766	1,8984	1,76201	1,099151308	ENST00000338912	N/A	FJ873958	N/A
A_21_P0000520	5,00734	4,87096	1,099143689	N/A	N/A	N/A	N/A
A_22_P00001639	1,85159	1,71525	1,099113215	N/A	N/A	N/A	Inc-ASB15-3
A_21_P0009012	2,97807	2,84174	1,099105597	N/A	N/A	N/A	Inc-PARN-6
A_32_P81768	9,95676	9,82045	1,09909036	ENST00000509770	153339	NM_174909	TMEM167A
A_32_P14610	12,6782	12,5419	1,099082742	ENST00000317968	10611	NM_006457	PDLIM5
A_33_P3310293	8,57676	8,44047	1,099075123	ENST00000477390	11142	NM_181805	PKIG
A_33_P3310455	1,87306	1,73679	1,099059887	N/A	N/A	AK123890	Inc-MMRN1-1
A_22_P00003260	4,95767	4,82147	1,099006562	N/A	102724341	NR_120676	NEURL1-AS1

A_24_P398781	12,6518	12,5156	1,099006562	ENST00000554026	112752	NM_052873	IFT43
A_33_P3334828	6,57703	6,44088	1,098968474	ENST00000317306	3640	NM_001265587	INSL3
A_33_P3294217	9,4148	9,27866	1,098960856	ENST00000304477	8433	NM_003577	UTF1
A_33_P3210620	1,82615	1,69003	1,098945622	N/A	100131497	BX248745	LOC100131497
A_32_P71788	8,85559	8,71947	1,098945622	ENST00000543037	2288	NM_002014	FKBP4
A_23_P387071	9,6695	9,53343	1,098907536	ENST00000361952	91603	NM_052857	ZNF830
A_24_P848091	1,79318	1,65724	1,098808518	ENST00000425633	158035	NR_026679	LINC00032
A_23_P125639	4,48724	4,35132	1,098793286	ENST00000304543	7543	NM_003410	ZFX
A_23_P44581	11,6165	11,4806	1,098778053	ENST00000610363	23420	NM_014287	NOMO1
A_33_P3252181	8,50538	8,36949	1,098770437	N/A	N/A	AK097351	N/A
A_22_P00009594	4,22583	4,08996	1,098755205	ENST00000559825	N/A	N/A	N/A
A_23_P321261	4,31813	4,18226	1,098755205	ENST00000585680	4200	NM_002396	ME2
A_19_P00805812	6,26629	6,13042	1,098755205	N/A	N/A	N/A	Inc-UQCRFS1-9
A_22_P00020069	3,87408	3,73823	1,098739973	N/A	441733	N/A	PRKXP1
A_23_P344125	3,27345	3,13769	1,098671433	ENST00000342219	145501	NM_199296	ISM2
A_21_P0004697	1,6372	1,50149	1,098633356	ENST00000421161	N/A	N/A	N/A
A_22_P00014092	1,80117	1,66546	1,098633356	ENST00000528291	254187	NM_152762	TSGA10IP
A_23_P502224	15,587	15,4513	1,098625741	ENST00000407332	1727	NM_007326	CYB5R3
A_23_P91491	12,4385	12,3028	1,098625741	ENST00000483315	56683	NM_021254	C21orf59
A_33_P3315874	12,5205	12,3849	1,098549593	ENST00000395745	22907	NM_014966	DHX30
A_21_P0000921	5,31116	5,17558	1,098534364	ENST00000431347	101929730	NR_110797	LINC01352
A_21_P0000772	6,50948	6,37396	1,098488678	ENST00000623343	100505783	NR_038337	OSER1-AS1
A_33_P3351836	5,27099	5,13548	1,098481064	ENST00000414747	129852	N/A	C2orf73
A_23_P204472	17,8638	17,7283	1,09847345	ENST00000471253	6175	NM_053275	RPLP0
A_33_P3268313	6,08575	5,95026	1,098465836	ENST00000297283	5224	NM_000290	PGAM2
A_23_P333138	5,16567	5,0302	1,098450608	ENST00000393630	23041	NM_015026	MON2
A_21_P0010147	1,82981	1,69435	1,098442994	ENST00000444130	N/A	N/A	N/A
A_33_P3217870	1,80559	1,67014	1,09843538	ENST00000334118	N/A	N/A	N/A
A_22_P00008069	1,87377	1,73835	1,098412539	ENST00000419826	N/A	N/A	N/A
A_33_P3393806	6,82026	6,68486	1,098397312	ENST00000617114	23400	AY987009	ATP13A2
A_22_P00002408	4,16972	4,03435	1,098374472	ENST00000556528	N/A	N/A	N/A
A_23_P135326	12,9724	12,8371	1,09832118	ENST00000479871	54107	NM_017443	POLE3
A_22_P00019874	6,40343	6,26813	1,09832118	N/A	N/A	AL555340	Inc-NPY5R-4



A_23_P139635	1,82559	1,69031	1,098305954	ENST00000549215	1610	NM_001917	DAO
A_33_P3299110	6,41609	6,28085	1,098275503	ENST00000298815	143872	NM_152432	ARHGAP42
A_22_P00019298	1,83766	1,70248	1,098229828	N/A	N/A	N/A	Inc-IQCG-1
A_22_P00003756	1,87397	1,73882	1,098206991	ENST00000512849	N/A	N/A	N/A
A_22_P00011712	5,45245	5,3173	1,098206991	ENST00000450247	N/A	N/A	N/A
A_33_P3386726	10,7537	10,6186	1,09816893	ENST00000368874	5298	NM_001198773	PI4KB
A_22_P00018568	7,75233	7,61724	1,098161319	N/A	N/A	HY054721	Inc-ST7-1
A_22_P00015130	1,82069	1,6856	1,098161319	ENST00000425405	N/A	N/A	N/A
A_22_P00016243	2,45497	2,31991	1,098138483	N/A	N/A	N/A	Inc-TMCC1-4
A_21_P0001917	7,02543	6,89038	1,098130871	ENST00000446520	N/A	N/A	N/A
A_33_P3238058	6,15804	6,02305	1,098085202	N/A	84931	NR_027181	LINC01101
A_33_P3348574	1,79668	1,66178	1,098016702	ENST00000571130	504191	NM_001013358	OR9G9
A_23_P134814	9,90491	9,77008	1,097963428	ENST00000345117	55145	NM_018105	THAP1
A_23_P336854	17,8558	17,721	1,097940596	ENST00000424633	N/A	N/A	N/A
A_23_P99917	12,2412	12,1064	1,097940596	ENST00000558608	84942	NM_032856	WDR73
A_32_P831181	8,91266	8,77789	1,097917766	ENST00000341446	140707	NM_080626	BRI3BP
A_21_P0004385	1,9412	1,80643	1,097917766	N/A	642366	N/A	LOC642366
A_33_P3422659	5,88988	5,75511	1,097917766	N/A	54332	NM_018972	GDAP1
A_23_P420326	3,25221	3,11748	1,097887325	ENST00000373471	252995	NM_153756	FNDC5
A_24_P272254	1,83414	1,69942	1,097879715	ENST00000304355	389852	NM_205856	SPACA5
A_33_P3231572	8,58162	8,44698	1,097818838	N/A	100130456	AK095012	LOC100130456
A_23_P167812	1,78847	1,65386	1,097796009	ENST00000318204	221662	NM_153020	RBM24
A_23_P43350	2,97175	2,83715	1,0977884	ENST00000381477	2315	NM_005511	MLANA
A_33_P3378659	7,12797	6,99342	1,097750354	ENST00000610889	445347	NM_001003799	TARP
A_33_P3306159	5,94595	5,8114	1,097750354	ENST00000417666	84629	NM_001080495	TNRC18
A_22_P00005243	1,78227	1,64773	1,097742745	N/A	N/A	N/A	Inc-DLX2-4
A_21_P0008589	2,12633	1,99189	1,097666658	N/A	N/A	N/A	Inc-C15orf2-9
A_22_P00023999	7,72742	7,59299	1,09765905	N/A	N/A	U09759	Inc-C1orf31-1
A_22_P00015199	1,87286	1,73845	1,097643833	N/A	347689	NR_075092	SOX2-OT
A_23_P170491	10,783	10,6486	1,097636225	ENST00000491060	10293	NM_005879	TRAIIP
A_22_P00008497	1,82698	1,6926	1,097621008	ENST00000421825	N/A	N/A	N/A
A_23_P351305	1,78963	1,65527	1,097605792	ENST00000515384	219287	NM_152704	AMER2
A_23_P169470	10,8405	10,7062	1,097560145	ENST00000373264	1025	NM_001261	CDK9

A_22_P00009461	4,08472	3,95042	1,097560145	N/A	N/A	N/A	Inc-MAEA-2
A_23_P80321	14,6003	14,466	1,097560145	ENST00000483713	5435	NM_021974	POLR2F
A_21_P0005815	1,86797	1,7337	1,097537322	N/A	N/A	N/A	Inc-DUSP26-1
A_23_P164958	3,10553	2,97128	1,097522107	ENST00000307522	83987	NM_032040	CCDC8
A_21_P0014465	1,82273	1,68849	1,0975145	N/A	101928173	XR_245039	LOC101928173
A_33_P3360867	8,95049	8,81626	1,097506892	N/A	N/A	N/A	N/A
A_33_P3387164	1,54425	1,41002	1,097506892	ENST00000469514	6954	NM_001261820	TCP11
A_24_P276873	1,79958	1,66543	1,097446035	ENST00000409395	57471	DQ334271	ERMN
A_23_P73023	8,65059	8,51645	1,097438429	ENST00000492180	23216	NM_015173	TBC1D1
A_22_P00009443	1,82326	1,68915	1,097415608	ENST00000440932	N/A	N/A	N/A
A_23_P208850	18,3166	18,1825	1,097408001	ENST00000601390	6217	NM_001020	RPS16
A_33_P3219429	10,6662	10,5321	1,097408001	ENST00000369603	10285	NM_005871	SMNDC1
A_21_P0014673	4,26396	4,1299	1,097377575	N/A	N/A	N/A	N/A
A_22_P00001299	1,83143	1,69737	1,097377575	ENST00000432423	N/A	N/A	N/A
A_21_P0009112	1,79778	1,66373	1,097369969	N/A	N/A	N/A	Inc-IRF8-4
A_33_P3250278	4,23367	4,09966	1,097339544	ENST00000307503	189	NM_000030	AGXT
A_21_P0013265	1,84795	1,71403	1,09727109	N/A	N/A	N/A	XLOC_I2_013583
A_23_P88522	12,8823	12,7484	1,097255879	ENST00000394588	4828	NM_021077	NMB
A_21_P0010000	1,83298	1,6991	1,097240668	N/A	N/A	N/A	Inc-GPCPD1-1
A_23_P502808	6,79533	6,66152	1,097187431	ENST00000477603	145270	NM_178013	PRIMA1
A_21_P0007717	1,8627	1,72898	1,097118987	N/A	N/A	N/A	Inc-GRIP1-1
A_22_P00011081	1,79555	1,66184	1,097111382	N/A	101927813	NR_109892	HMMR-AS1
A_21_P0010891	8,48283	8,34922	1,097035339	N/A	101060691	NR_120611	NUTM2B-AS1
A_21_P0010525	16,1065	15,9729	1,097027735	N/A	N/A	N/A	XLOC_I2_000123
A_33_P3329652	10,5095	10,3759	1,097027735	ENST00000570495	146198	NM_133458	ZFP90
A_33_P3236798	4,40317	4,26961	1,096997319	ENST00000217188	6725	NM_080823	SRMS
A_33_P3342106	5,22205	5,08852	1,096974508	ENST00000373261	23051	NM_015035	ZHX3
A_23_P5654	6,25179	6,11827	1,096966904	ENST00000263326	27178	NM_014439	IL37
A_33_P3306339	1,87208	1,73858	1,096951697	N/A	N/A	N/A	N/A
A_32_P132589	1,78319	1,64972	1,096928887	ENST00000371528	440590	NM_001004339	ZYG11A
A_22_P00018583	5,43407	5,3006	1,096928887	N/A	145845	N/A	LOC145845
A_21_P0002869	1,83536	1,70191	1,09691368	ENST00000466155	151658	N/A	LINC00635
A_33_P3268144	9,08478	8,95138	1,096875665	ENST00000270649	80110	NM_025040	ZNF614

A_23_P115375	14,217	14,0836	1,096875665	ENST00000401004	653604	NM_001123375	HIST2H3D
A_24_P169092	6,00047	5,86707	1,096875665	ENST00000618849	84441	AJ972402	MAML2
A_21_P0005703	7,80677	7,67339	1,096860459	N/A	N/A	N/A	Inc-RAB2A-1
A_33_P3397573	1,78418	1,65084	1,096830048	N/A	N/A	N/A	N/A
A_24_P327011	5,00818	4,87485	1,096822445	ENST00000342932	60490	NM_021823	PPCDC
A_33_P3267543	4,72329	4,58998	1,09680724	N/A	8818	BC048256	DPM2
A_33_P3286352	2,37971	2,2464	1,09680724	N/A	219347	NR_027428	TMEM254-AS1
A_24_P384397	10,0939	9,9606	1,096799638	ENST00000615032	125950	NM_133452	RAVER1
A_23_P258621	12,9179	12,7846	1,096799638	ENST00000260563	8634	NM_003729	RTCA
A_21_P0001989	5,55105	5,41778	1,096776831	N/A	N/A	N/A	Inc-TMEM18-11
A_33_P3421733	11,5042	11,371	1,096723616	ENST00000566866	8663	NM_001199142	EIF3C
A_32_P102062	8,44117	8,30798	1,096716014	ENST00000395675	2309	NM_001455	FOXO3
A_23_P28042	4,9034	4,77029	1,096655201	ENST00000427401	100129842	NM_001159293	ZNF737
A_23_P109184	1,87078	1,73775	1,096594391	ENST00000310227	3642	NM_002196	INSM1
A_33_P3240757	4,51817	4,38517	1,096571589	ENST00000625078	3321	NM_001007237	IGSF3
A_23_P122876	12,5979	12,4649	1,096571589	ENST00000344095	6878	NM_005641	TAF6
A_22_P00012256	1,86311	1,73013	1,096556387	ENST00000552698	644076	NR_003039	GLYCAM1
A_21_P0005309	9,29869	9,16574	1,096533585	ENST00000412800	N/A	N/A	N/A
A_33_P3263277	17,3204	17,1875	1,096495583	N/A	1915	M29548	EEF1A1
A_22_P00007426	6,09221	5,95932	1,096487982	ENST00000518059	7993	NM_001282199	UBXN8
A_21_P0006693	3,14681	3,01395	1,096465182	ENST00000453889	N/A	N/A	N/A
A_21_P0007383	1,53517	1,40232	1,096457582	N/A	N/A	N/A	Inc-SESN3-1
A_33_P3319896	1,86817	1,73535	1,096434782	ENST00000235349	400735	NM_001009611	PRAMEF4
A_21_P0004297	3,20369	3,07088	1,096427182	N/A	100861518	N/A	P4HA2-AS1
A_23_P422732	4,01774	3,88494	1,096419582	ENST00000294664	126820	NM_145172	WDR63
A_33_P3276386	1,84548	1,71269	1,096411982	ENST00000594522	N/A	N/A	N/A
A_22_P00024672	13,0181	12,8854	1,096343587	N/A	N/A	BC034813	Inc-LINC00346-2
A_33_P3244073	1,83837	1,70568	1,096335987	N/A	100132146	N/A	LOC100132146
A_22_P00005499	4,79534	4,66266	1,096328388	N/A	N/A	N/A	Inc-DZANK1-2
A_23_P51580	2,50528	2,3726	1,096328388	ENST00000369416	3284	NM_000198	HSD3B2
A_24_P228875	1,78088	1,64823	1,096305591	ENST00000250617	9459	NM_004840	ARHGEF6
A_23_P345830	10,7024	10,5698	1,096267597	ENST00000403094	22868	NM_014929	FASTKD2
A_21_P0013084	1,78384	1,65129	1,096229603	ENST00000404253	N/A	N/A	N/A

A_21_P0009551	8,98812	8,85559	1,096214407	N/A	N/A	N/A	Inc-RIT2-1
A_23_P123193	8,59048	8,45795	1,096214407	ENST00000479402	57180	NM_020445	ACTR3B
A_23_P120364	17,3779	17,2454	1,096191612	ENST00000370179	79144	NM_024299	PPDPF
A_22_P00007065	1,81259	1,68011	1,096176415	ENST00000558269	N/A	BX104726	N/A
A_22_P00021046	1,79434	1,66187	1,096168817	ENST00000567538	N/A	N/A	N/A
A_22_P00001745	1,82126	1,68882	1,096146023	N/A	N/A	N/A	Inc-ATMIN-2
A_22_P00018433	1,63321	1,5008	1,09612323	ENST00000551856	N/A	N/A	N/A
A_33_P3300179	5,70832	5,57593	1,096108034	N/A	N/A	N/A	N/A
A_21_P0000196	1,78917	1,65678	1,096108034	N/A	55530	AL359592	SVOP
A_23_P358542	9,2403	9,10793	1,096092839	ENST00000301332	90990	NM_145754	KIFC2
A_22_P00005519	1,82507	1,69271	1,096085242	N/A	N/A	N/A	Inc-EBF3-6
A_21_P0010732	4,3341	4,20175	1,096077644	ENST00000422062	N/A	N/A	N/A
A_33_P3280003	6,73421	6,60188	1,09606245	ENST00000429257	8924	NM_004667	HERC2
A_22_P00000672	1,91439	1,78207	1,096054852	ENST00000447019	N/A	N/A	N/A
A_22_P00007563	3,68888	3,5566	1,096024464	N/A	N/A	BC030152	Inc-HBEGF-2
A_24_P213161	9,16801	9,03574	1,096016867	ENST00000543277	55655	NM_017852	NLRP2
A_22_P00023275	4,75145	4,61919	1,09600927	ENST00000449463	N/A	N/A	N/A
A_33_P3281066	1,85615	1,72394	1,095971285	ENST00000398499	49854	NM_001098402	ZBTB21
A_24_P838448	3,22423	3,09203	1,095963689	ENST00000607048	401237	NR_015410	CASC15
A_33_P3306616	12,3213	12,1891	1,095963689	N/A	N/A	AK094078	N/A
A_21_P0005552	3,62722	3,49507	1,095925706	N/A	N/A	N/A	Inc-EVX1-5
A_23_P252642	14,6355	14,5034	1,095887725	ENST00000481916	129880	NM_152384	BBS5
A_22_P00016528	3,72105	3,58895	1,095887725	ENST00000549551	N/A	DN913889	N/A
A_23_P20722	12,543	12,4109	1,095887725	ENST00000298532	6621	NM_003086	SNAPC4
A_22_P00005768	5,92308	5,79101	1,095864937	N/A	104266960	N/A	LINC01201
A_22_P00025467	1,77921	1,64716	1,095849745	N/A	N/A	AA454075	Inc-CENPM-1
A_21_P0010898	1,87037	1,73832	1,095849745	N/A	N/A	N/A	XLOC_I2_002069
A_33_P3362178	1,84488	1,71286	1,095826958	ENST00000556489	283571	NM_001243007	PROX2
A_23_P252817	1,85558	1,72356	1,095826958	ENST00000287641	6750	NM_001048	SST
A_33_P3373885	1,85388	1,72187	1,095819362	ENST00000416045	60560	XM_005252128	NAA35
A_21_P0005852	1,78259	1,6506	1,095804171	ENST00000521040	286187	N/A	PPP1R42
A_23_P121441	1,78194	1,64996	1,095796575	ENST00000339174	22829	NM_014893	NLGN4Y
A_23_P218237	8,10458	7,97263	1,095773789	ENST00000573538	3931	NM_000229	LCAT

A_21_P0001182	1,82764	1,6957	1,095766194	ENST00000449345	N/A	N/A	N/A
A_33_P3218872	3,67539	3,54346	1,095758599	N/A	131965	NM_152396	METTL6
A_21_P0006841	1,78146	1,64954	1,095751003	N/A	N/A	N/A	Inc-SPAG6-1
A_32_P126557	3,23241	3,1005	1,095743408	ENST00000622468	9628	NM_001204424	RGS6
A_23_P34402	13,6961	13,5642	1,095735813	ENST00000368063	23385	NM_015331	NCSTN
A_23_P314086	13,4144	13,2825	1,095735813	ENST00000586749	55658	NM_194460	RNF126
A_23_P326296	9,38763	9,25575	1,095720623	ENST00000585771	199746	NM_144987	U2AF1L4
A_23_P10121	3,67755	3,54575	1,095659865	ENST00000220772	6422	NM_003012	SFRP1
A_23_P136077	1,84104	1,70924	1,095659865	ENST00000366897	5071	NM_004562	PARK2
A_21_P0009807	1,7793	1,64751	1,095652271	N/A	N/A	N/A	Inc-ZNF180-2
A_24_P197964	8,4599	8,32812	1,095644676	ENST00000341469	9830	NM_014788	TRIM14
A_22_P00004881	1,85977	1,728	1,095637082	N/A	N/A	N/A	Inc-CYS1-3
A_22_P00005815	1,86291	1,73116	1,095621893	N/A	N/A	BU568025	Inc-EPHB6-1
A_33_P3373194	1,80756	1,67582	1,095614299	N/A	N/A	N/A	N/A
A_32_P118586	11,487	11,3553	1,095583922	ENST00000311128	201627	NM_152678	DENND6A
A_23_P56810	10,9857	10,854	1,095583922	ENST00000326019	22950	NM_018158	SLC4A1AP
A_22_P00005221	1,84057	1,70893	1,095538359	ENST00000521812	55384	NR_033358	MEG3
A_21_P0012938	1,87068	1,73904	1,095538359	ENST00000512035	N/A	N/A	N/A
A_21_P0011464	8,03488	7,90326	1,095523172	N/A	N/A	N/A	XLOC_I2_005438
A_23_P313652	1,85139	1,71979	1,095507985	ENST00000371425	158798	NM_178813	AKAP14
A_32_P155776	14,9628	14,8312	1,095507985	ENST00000397487	440915	AY014272	POTEKP
A_22_P00017576	1,78603	1,65459	1,095386496	N/A	N/A	N/A	Inc-WDR63-2
A_21_P0009464	1,86625	1,73484	1,095363718	N/A	N/A	N/A	Inc-CABLES1-1
A_23_P60376	15,3263	15,195	1,095280204	ENST00000224073	8721	NM_153200	EDF1
A_23_P259506	14,7302	14,5989	1,095280204	ENST00000261811	84418	NM_032412	CYSTM1
A_33_P3211238	7,08702	6,95576	1,095249837	ENST00000301770	220001	NM_152718	VWCE
A_33_P3272352	9,77712	9,64592	1,095204288	ENST00000397064	N/A	N/A	N/A
A_21_P0013263	1,77962	1,64843	1,095196696	ENST00000453459	101928012	N/A	LOC101928012
A_21_P0003903	1,82367	1,6925	1,095181514	N/A	102724785	XR_425794	LOC102724785
A_21_P0003346	1,81806	1,68692	1,095158741	ENST00000512268	N/A	N/A	N/A
A_33_P3374299	1,85394	1,7228	1,095158741	ENST00000373164	222643	NM_173561	UNC5CL
A_23_P414252	8,76645	8,63538	1,095105604	N/A	29886	AK315670	SNX8
A_33_P3258146	5,55524	5,42417	1,095105604	ENST00000619243	100130539	NM_001258000	LOC100130539

A_33_P3400482	1,78597	1,65497	1,095052471	N/A	728158	XR_246201	LOC728158
A_23_P214587	9,97021	9,83922	1,09504488	ENST00000327357	7726	NM_003449	TRIM26
A_21_P0008503	1,81553	1,68459	1,09500693	N/A	N/A	N/A	Inc-RP11-80A15.1.1-5
A_33_P3256334	7,29025	7,15932	1,09499934	ENST00000617030	5544	NM_006249	PRB3
A_23_P108554	13,3892	13,2583	1,09497657	ENST00000617198	1653	NM_004939	DDX1
A_22_P00001215	2,08101	1,95017	1,094931032	N/A	100874226	NR_046516	ARHGEF7-AS1
A_22_P00003926	1,77583	1,64503	1,094900675	ENST00000519336	101929495	AI674738	LINC01339
A_21_P0004753	1,8882	1,75741	1,094893086	ENST00000454135	N/A	N/A	N/A
A_22_P00002444	1,77241	1,64162	1,094893086	N/A	101928792	XR_429487	LOC101928792
A_22_P00022200	1,84111	1,71036	1,094862729	ENST00000530492	N/A	BX111232	N/A
A_21_P0004570	1,86707	1,73634	1,094847551	N/A	N/A	N/A	Inc-NUDT12-3
A_22_P00020823	1,81154	1,68084	1,094824785	ENST00000521805	N/A	N/A	N/A
A_33_P3263512	12,4034	12,2727	1,094824785	N/A	N/A	N/A	N/A
A_23_P123853	3,79997	3,66929	1,094809607	ENST00000485502	6363	NM_006274	CCL19
A_21_P0009001	3,03089	2,90023	1,09479443	N/A	N/A	N/A	Inc-CLDN6-1
A_23_P87363	1,7885	1,65788	1,094764076	ENST00000250693	417	NM_004314	ART1
A_33_P3549874	7,23936	7,10876	1,0947489	ENST00000559985	255177	XR_243167	LOC255177
A_33_P3279708	8,60559	8,47501	1,094733724	ENST00000538098	6066	NR_002716	RNU2-1
A_22_P00009849	4,44983	4,3193	1,094695784	ENST00000530960	N/A	N/A	N/A
A_23_P160466	9,78462	9,65413	1,094665433	ENST00000367804	10560	NM_006996	SLC19A2
A_21_P0012448	5,75406	5,6236	1,09464267	ENST00000493276	N/A	N/A	N/A
A_33_P3311791	5,19687	5,06644	1,094619908	ENST00000334181	388567	NM_001023561	ZNF749
A_19_P00812723	5,0302	4,89979	1,094604733	N/A	N/A	N/A	Inc-ZADH2-1
A_21_P0003109	1,82582	1,69542	1,094597146	N/A	N/A	N/A	Inc-GADL1-1
A_22_P00002645	5,70278	5,5724	1,094581972	N/A	N/A	N/A	Inc-C1orf192-1
A_23_P328600	10,3009	10,1706	1,094521277	ENST00000550672	80024	NM_024959	SLC8B1
A_23_P79161	13,5649	13,4346	1,094521277	ENST00000510797	27166	NM_013237	PRELID1
A_21_P0010771	8,88642	8,75615	1,094498517	ENST00000624291	441430	NM_001012421	ANKRD20A2
A_33_P3264940	1,78966	1,65948	1,094430241	N/A	N/A	N/A	N/A
A_21_P0008144	1,7868	1,65664	1,094415069	N/A	N/A	N/A	Inc-LHFP-3
A_33_P3271187	4,01528	3,88515	1,094392312	N/A	N/A	N/A	N/A
A_33_P3236152	1,77658	1,64647	1,09437714	N/A	N/A	N/A	N/A
A_21_P0010402	7,42868	7,2986	1,094354383	ENST00000449017	102724827	NR_110543	MIATNB

A_21_P0002808	1,77899	1,64894	1,094331627	ENST00000434309	102724550	NR_110826	LOC102724550
A_21_P0009851	1,77539	1,64535	1,094324042	ENST00000444478	N/A	N/A	N/A
A_24_P239017	10,8425	10,7125	1,094293701	N/A	606551	NR_002837	UBE2MP1
A_21_P0006322	1,78515	1,65516	1,094286116	N/A	N/A	N/A	Inc-TRUB2-1
A_33_P3355926	2,12769	1,99772	1,094270946	N/A	100130894	NR_034083	VAC14-AS1
A_23_P420831	6,46483	6,33487	1,094263361	ENST00000448645	10107	NM_052828	TRIM10
A_24_P589855	1,76429	1,63434	1,094255777	ENST00000446693	N/A	N/A	N/A
A_24_P89701	15,9199	15,79	1,094217853	ENST00000348127	3614	NM_000883	IMPDPH1
A_33_P3289222	11,2236	11,0937	1,094217853	ENST00000472710	10489	NM_006369	LRRC41
A_22_P00016988	1,86668	1,73682	1,094187515	N/A	N/A	N/A	Inc-TTC24-1
A_21_P0001079	1,77228	1,64244	1,094172347	N/A	N/A	N/A	Inc-C1orf31-7
A_23_P98631	9,2855	9,1557	1,09414201	ENST00000349215	11234	NM_181507	HPS5
A_24_P210675	7,35963	7,22984	1,094134426	ENST00000573203	54820	NM_017668	NDE1
A_23_P324319	1,74505	1,61526	1,094134426	ENST00000617378	10407	NM_058203	SPAG11B
A_33_P3379017	8,07331	7,94355	1,094111675	ENST00000407598	23119	NM_015094	HIC2
A_23_P32500	1,86239	1,73264	1,094104091	ENST00000462741	23166	NM_015136	STAB1
A_21_P0010098	5,89986	5,77014	1,09408134	N/A	N/A	N/A	Inc-C20orf166-2
A_33_P3228322	5,56236	5,43269	1,094043423	ENST00000404792	10068	NM_173042	IL18BP
A_21_P0007001	1,75132	1,62171	1,093997924	N/A	N/A	N/A	Inc-RTKN2-3
A_23_P150852	10,8473	10,7177	1,093990341	ENST00000550515	23344	NM_015292	ESYT1
A_23_P53217	13,3663	13,2367	1,093990341	ENST00000327320	8726	NM_152991	EED
A_33_P3332145	14,3246	14,195	1,093990341	ENST00000237530	6185	NM_002951	RPN2
A_21_P0001937	3,66092	3,53134	1,093975175	ENST00000445613	N/A	N/A	N/A
A_23_P99653	1,8666	1,73705	1,093952427	ENST00000390439	N/A	X92778	N/A
A_21_P0010072	1,86747	1,73793	1,093944844	N/A	N/A	N/A	Inc-YTHDF1-3
A_23_P128706	13,9239	13,7944	1,093914514	ENST00000360184	1778	NM_001376	DYNC1H1
A_23_P211326	5,07207	4,94257	1,093914514	ENST00000355219	27443	NM_001290047	CECR2
A_33_P3308626	10,5837	10,4542	1,093914514	ENST00000566455	22879	NM_014940	MON1B
A_19_P00315603	11,1898	11,0603	1,093914514	N/A	N/A	N/A	XLLOC_I2_015760
A_33_P3343155	8,18335	8,05386	1,093906931	ENST00000286548	2776	NM_002072	GNAQ
A_33_P3415625	1,777	1,64758	1,093853856	ENST00000525971	84125	NM_001079910	LRRIQ1
A_22_P00000251	10,1611	10,0317	1,093838692	ENST00000575402	N/A	AK001561	N/A
A_23_P130281	3,24489	3,11551	1,093823528	ENST00000381951	26189	NM_012352	OR1A2

A_33_P3361442	6,29583	6,16646	1,093815946	ENST00000408991	55150	NM_018111	C19orf73
A_33_P3314161	8,42061	8,29126	1,093800783	ENST00000327791	10138	NM_001190979	YAF2
A_22_P00001901	2,08379	1,95449	1,093762875	ENST00000580937	N/A	N/A	N/A
A_22_P00012924	1,86386	1,7346	1,09373255	N/A	N/A	N/A	Inc-RCBTB2-1
A_23_P363163	9,30244	9,17321	1,093709807	ENST00000398392	8545	NM_001008390	CGGBP1
A_21_P0012002	10,5091	10,3799	1,093687064	ENST00000431359	N/A	N/A	N/A
A_24_P222997	7,13097	7,0018	1,093664322	ENST00000403017	84083	NM_032143	ZRANB3
A_23_P39602	8,44424	8,3151	1,09364158	ENST00000395856	8648	NM_147233	NCOA1
A_23_P416686	9,08505	8,95592	1,093633999	ENST00000545366	56834	NM_020155	GPR137
A_21_P0007445	1,78017	1,65111	1,093580937	N/A	N/A	N/A	Inc-RP11-201M22.1.1-2
A_24_P202329	3,23648	3,10746	1,093550617	ENST00000578036	146880	NR_026899	LOC146880
A_21_P0001645	1,81381	1,68484	1,093512718	N/A	N/A	N/A	Inc-TOMM20-2
A_33_P3247095	4,5146	4,38565	1,093497559	N/A	N/A	N/A	N/A
A_22_P00005385	1,82395	1,69502	1,0934824	ENST00000509629	N/A	N/A	N/A
A_33_P3296852	17,6328	17,5039	1,093459662	ENST00000424415	729162	XR_430504	LOC729162
A_22_P00020123	1,79743	1,66858	1,093421766	ENST00000535229	10846	AK090688	PDE10A
A_22_P00002211	3,03912	2,91028	1,093414187	ENST00000442188	N/A	N/A	N/A
A_21_P0011845	1,77316	1,64434	1,093399029	ENST00000568484	101929926	N/A	LOC101929926
A_21_P0011253	1,78766	1,65899	1,093285352	N/A	N/A	N/A	XLOC_I2_004283
A_22_P00013085	1,81727	1,68864	1,09325504	ENST00000422226	104797536	NR_126557	LINC01402
A_23_P82128	17,0436	16,915	1,093232307	ENST00000484616	6206	NM_001016	RPS12
A_23_P391778	10,7525	10,6239	1,093232307	ENST00000496360	23499	NM_012090	MACF1
A_22_P00017562	3,65361	3,52504	1,093209574	N/A	266655	NR_015427	LINC00094
A_22_P00010048	1,77048	1,64198	1,093156533	N/A	N/A	N/A	Inc-MOCS2-2
A_23_P380766	12,7634	12,6349	1,093156533	ENST00000361246	9578	NM_006035	CDC42BPB
A_21_P0005604	3,39382	3,26535	1,093133801	N/A	N/A	N/A	Inc-ZNF680-1
A_21_P0001734	1,77069	1,64223	1,093126224	N/A	101928436	NM_001286997	LOC101928436
A_22_P00006797	1,77794	1,64951	1,093103494	N/A	N/A	BC034636	Inc-G3BP1-3
A_22_P00017166	5,45957	5,33116	1,09308834	N/A	104355139	N/A	LINC01397
A_23_P379746	7,04939	6,92101	1,09306561	ENST00000354285	160518	NM_144973	DENND5B
A_21_P0012052	8,13105	8,00269	1,093050457	N/A	N/A	N/A	XLOC_I2_007835
A_22_P00017795	6,79317	6,66481	1,093050457	ENST00000533941	N/A	BF510029	N/A
A_24_P16004	1,76964	1,64135	1,092997423	ENST00000390271	N/A	N/A	N/A



A_22_P00023969	1,79248	1,66423	1,092967119	N/A	N/A	N/A	Inc-AC013480.1.1-3
A_33_P3210139	9,98676	9,85851	1,092967119	ENST00000298281	51585	NM_015885	PCF11
A_33_P3342096	7,0095	6,88127	1,092951968	ENST00000432768	23051	NM_015035	ZHX3
A_22_P00009454	2,84285	2,71462	1,092951968	N/A	101927668	NR_110114	LOC101927668
A_22_P00007381	1,82731	1,69912	1,092921665	ENST00000521884	N/A	AA431609	N/A
A_33_P3374640	1,83353	1,70539	1,092883788	ENST00000594038	199800	NM_001101340	ADM5
A_23_P166993	1,82798	1,69987	1,092861062	ENST00000398015	2047	NM_004441	EPHB1
A_33_P3281667	6,63393	6,50584	1,092845912	ENST00000619138	728577	NM_001201380	CNTNAP3B
A_21_P0008926	4,10958	3,9815	1,092838337	N/A	N/A	N/A	Inc-GPT2-1
A_24_P244706	1,79766	1,66963	1,092800463	ENST00000267377	6751	NM_001049	SSTR1
A_22_P00002501	1,56211	1,43408	1,092800463	N/A	N/A	N/A	Inc-C16orf62-1
A_33_P3406030	5,8376	5,70959	1,092785314	ENST00000370453	84230	NM_032270	LRRC8C
A_21_P0013022	2,06372	1,93571	1,092785314	N/A	101929309	XR_242007	LOC101929309
A_21_P0001220	1,57728	1,44932	1,092747441	ENST00000439570	N/A	N/A	N/A
A_22_P00013558	1,83069	1,70275	1,092732293	N/A	N/A	N/A	Inc-RP11-43D2.2.1-2
A_33_P3416448	6,84571	6,71779	1,092717144	ENST00000554565	55727	NM_001002860	BTBD7
A_22_P00022657	1,86363	1,73574	1,092694422	N/A	N/A	N/A	Inc-C4orf21-4
A_23_P114423	1,86187	1,73398	1,092694422	ENST00000475448	9104	NM_152869	RGN
A_21_P0012914	1,76864	1,64083	1,092633832	N/A	N/A	N/A	XLOC_I2_012107
A_33_P3260605	12,3509	12,2231	1,092626258	ENST00000374593	8727	NM_003798	CTNNAL1
A_23_P77201	10,2069	10,0791	1,092626258	ENST00000566621	84529	NM_032499	C15orf41
A_22_P00002520	1,82105	1,69329	1,092595965	ENST00000577556	N/A	N/A	N/A
A_33_P3319940	8,2809	8,15315	1,092588392	ENST00000624166	546	NM_000489	ATRX
A_21_P0003692	1,92107	1,79334	1,092573245	N/A	N/A	N/A	Inc-TLR3-1
A_23_P81463	9,16574	9,03803	1,092558099	ENST00000504778	54505	NM_019030	DHX29
A_24_P315184	16,8813	16,7536	1,092550526	ENST00000432629	N/A	AB209471	N/A
A_33_P3301266	4,58453	4,45688	1,092512662	ENST00000503543	79908	NM_001159708	BTNL8
A_21_P0006405	1,8023	1,67467	1,092497516	N/A	N/A	N/A	Inc-CD40LG-1
A_33_P3379801	8,02044	7,89289	1,092436937	ENST00000406043	55172	NM_001083908	DNAAF2
A_23_P202837	11,08	10,9525	1,092399077	ENST00000227507	595	NM_053056	CCND1
A_33_P3226039	6,13925	6,01176	1,092391505	ENST00000393359	9392	NM_004257	TGFBRAP1
A_33_P3251252	3,80389	3,67642	1,092376361	N/A	N/A	N/A	N/A
A_23_P119886	1,76823	1,64079	1,092353646	ENST00000264717	2646	NM_001486	GCKR

A_33_P3396379	3,058	2,93058	1,092338503	N/A	N/A	N/A	N/A
A_23_P44996	1,8274	1,7	1,09232336	ENST00000380200	795	NM_004057	S100G
A_23_P25964	10,7254	10,598	1,09232336	ENST00000261304	2581	NM_000153	GALC
A_23_P415652	10,6175	10,4901	1,09232336	ENST00000375011	79695	NM_024642	GALNT12
A_23_P6344	13,5034	13,376	1,09232336	ENST00000248958	23753	NM_022044	SDF2L1
A_33_P3409493	2,67163	2,54424	1,092315789	ENST00000404031	285095	XR_430644	LOC285095
A_21_P0013830	8,57966	8,45227	1,092315789	N/A	N/A	N/A	XLOC_I2_015812
A_22_P00019712	1,77704	1,64967	1,092300646	ENST00000452199	400800	XR_241167	FLJ43585
A_33_P3399566	1,7669	1,63953	1,092300646	N/A	100130931	AK128535	LOC100130931
A_24_P348861	1,80622	1,67886	1,092293075	ENST00000440408	64595	NR_001545	TTY15
A_21_P0009665	7,15966	7,0323	1,092293075	ENST00000422045	N/A	N/A	N/A
A_33_P3495783	1,8648	1,73745	1,092285504	ENST00000327381	114786	AK126867	XKR4
A_22_P00011332	9,24109	9,11376	1,092270362	N/A	N/A	XM_006721049	Inc-OTOA-1
A_23_P36408	9,94465	9,81733	1,092262791	ENST00000543633	65082	NM_022916	VPS33A
A_21_P0005666	1,77238	1,64508	1,092247649	N/A	N/A	N/A	Inc-INTS10-1
A_33_P3341676	12,6672	12,5399	1,092247649	ENST00000449277	4205	NM_001171894	MEF2A
A_23_P61569	7,93092	7,80364	1,092232507	ENST00000367740	8674	NM_003762	VAMP4
A_21_P0014093	1,76713	1,63988	1,092209795	N/A	101927482	NR_110225	LOC101927482
A_22_P00006237	6,63769	6,51047	1,092187083	ENST00000424313	N/A	BM690161	N/A
A_23_P127579	12,7958	12,6686	1,092171942	ENST00000527635	5805	NM_000317	PTS
A_33_P3265129	1,83636	1,70916	1,092171942	N/A	123876	AK091978	ACSM2A
A_21_P0005915	5,97808	5,85089	1,092164372	N/A	N/A	N/A	Inc-SLC45A4-1
A_21_P0008468	3,89302	3,76583	1,092164372	N/A	N/A	N/A	Inc-SEL1L-7
A_33_P3699445	8,80087	8,67374	1,092118951	ENST00000594089	N/A	BC025792	N/A
A_22_P00012985	1,83726	1,71015	1,092103811	ENST00000452207	N/A	N/A	N/A
A_33_P3346791	13,9094	13,7823	1,092096241	ENST00000355379	10067	NM_005698	SCAMP3
A_22_P00015390	7,90707	7,77998	1,092088672	N/A	N/A	N/A	Inc-SRGAP3-1
A_24_P211558	6,26601	6,13893	1,092081102	ENST00000215919	23598	NM_032051	PATZ1
A_32_P151933	3,83176	3,70474	1,092035684	N/A	2235	NM_001012515	FECH
A_33_P3239849	15,8442	15,7172	1,092020546	ENST00000620890	2876	NM_201397	GPX1
A_23_P206441	8,53324	8,40624	1,092020546	ENST00000389301	2175	NM_000135	FANCA
A_33_P3253653	18,476	18,349	1,092020546	ENST00000499418	151556	NM_001033045	GPR155
A_24_P231546	6,11504	5,98808	1,091990269	ENST00000490605	51252	NM_016490	FAM178B

A_21_P0006455	3,44882	3,32186	1,091990269	N/A	101928345	NR_110398	PABPC1L2B-AS1
A_23_P305692	6,48255	6,35562	1,091967562	ENST00000323570	255520	NM_153702	ELMOD2
A_33_P3410895	14,618	14,4911	1,091944855	ENST00000421059	5447	N/A	POR
A_21_P0012999	1,76481	1,63791	1,091944855	ENST00000506070	N/A	N/A	N/A
A_24_P67552	10,4848	10,3579	1,091944855	ENST00000603137	N/A	N/A	N/A
A_22_P00001972	1,81565	1,68881	1,091899444	ENST00000536729	6660	NM_001261414	SOX5
A_33_P3308153	6,98765	6,86083	1,091884307	N/A	N/A	N/A	N/A
A_33_P3337259	6,92579	6,79897	1,091884307	ENST00000606728	375690	NR_033266	WASH5P
A_22_P00012332	5,14211	5,01531	1,09186917	ENST00000524410	101928812	N/A	LOC101928812
A_23_P342067	10,5848	10,458	1,09186917	ENST00000282169	127933	NM_175866	UHMK1
A_21_P0012132	1,74501	1,61822	1,091861602	N/A	102724529	N/A	LOC102724529
A_22_P00015375	6,5617	6,435	1,09179349	ENST00000430650	400952	N/A	LINC01121
A_22_P00013467	1,76106	1,63436	1,09179349	N/A	N/A	BX092254	Inc-RP11-324D17.1.1-2
A_23_P405282	10,0662	9,93961	1,091710248	ENST00000593632	284365	NR_038359	MGC45922
A_24_P400604	1,83653	1,70997	1,091687547	ENST00000623132	378948	NM_001006121	RBMY1B
A_33_P3287314	6,55803	6,43149	1,091672413	N/A	N/A	N/A	N/A
A_22_P00024895	1,80172	1,67521	1,091649713	ENST00000423593	N/A	N/A	N/A
A_23_P34983	14,2184	14,0919	1,091642146	ENST00000471173	10899	NM_006694	JTB
A_23_P148969	10,1822	10,0557	1,091642146	ENST00000370952	55631	NM_017768	LRRC40
A_23_P254863	3,86084	3,73437	1,091619446	ENST00000512796	167359	NM_153361	NIM1K
A_33_P3323384	4,7433	4,6169	1,091566482	ENST00000621845	50484	NM_015713	RRM2B
A_22_P00001183	3,70189	3,5755	1,091558915	ENST00000519555	N/A	N/A	N/A
A_33_P3345549	5,32494	5,19856	1,091551349	ENST00000267436	79944	NM_024884	L2HGDH
A_21_P0003809	5,99645	5,87011	1,091521086	N/A	N/A	N/A	Inc-CLDN24-2
A_21_P0011268	1,83573	1,70945	1,091475691	N/A	N/A	N/A	XLOC_I2_004381
A_21_P0011227	1,77151	1,64531	1,091415169	ENST00000417987	N/A	N/A	N/A
A_21_P0011371	1,86072	1,73452	1,091415169	N/A	N/A	N/A	XLOC_I2_004887
A_22_P00020082	5,46418	5,338	1,091400039	N/A	N/A	N/A	Inc-AC090186.1-3
A_33_P3229067	8,73302	8,60686	1,091384909	ENST00000396980	8341	NM_003520	HIST1H2BN
A_23_P160336	3,55858	3,43244	1,091369779	ENST00000272134	10637	NM_020997	LEFTY1
A_22_P00021885	1,83407	1,70793	1,091369779	ENST00000546563	N/A	BX116758	N/A
A_21_P0013137	1,84974	1,72361	1,091362214	ENST00000473271	N/A	XR_426115	N/A
A_21_P0006612	1,76344	1,63732	1,09135465	ENST00000455199	101927964	NR_120632	LOC101927964

A_21_P0003116	6,16932	6,04323	1,091331956	N/A	N/A	N/A	Inc-CDC25A-1
A_21_P0004987	6,45435	6,32835	1,091263877	N/A	N/A	N/A	Inc-GMDS-4
A_33_P3281930	11,9301	11,8041	1,091263877	ENST00000496479	9209	NM_006309	LRRFIP2
A_33_P3299599	15,2674	15,1414	1,091263877	ENST00000329198	1482	NM_001166175	NKX2-5
A_23_P255714	8,15183	8,02584	1,091256313	ENST00000443698	80173	NM_025103	IFT74
A_23_P377839	2,12581	1,99987	1,091218494	ENST00000412526	118421	NR_026552	LINC00161
A_22_P00002385	1,8486	1,72269	1,091195803	ENST00000401043	N/A	N/A	N/A
A_23_P333129	15,5496	15,4237	1,091188239	ENST00000425409	N/A	XM_006718102	N/A
A_33_P3297092	1,76267	1,63679	1,091173112	ENST00000217926	158983	NM_001002916	H2BFWT
A_24_P136161	6,19063	6,06483	1,091112606	ENST00000317869	343069	NM_001013631	HNRNPCL1
A_22_P00016248	8,70388	8,5781	1,09109748	N/A	N/A	N/A	Inc-TMCO3-1
A_33_P3371219	1,76332	1,63758	1,091067229	N/A	6383	NM_002998	SDC2
A_22_P00021913	1,76246	1,63672	1,091067229	ENST00000509455	101929034	N/A	LOC101929034
A_24_P103686	8,59996	8,47425	1,091044541	ENST00000521349	137964	NM_178819	AGPAT6
A_33_P3416568	8,76572	8,64001	1,091044541	N/A	N/A	N/A	N/A
A_21_P0007137	8,01906	7,89337	1,091029416	ENST00000455671	101927624	NR_120534	LINC01150
A_21_P0013898	6,24952	6,1239	1,09097648	ENST00000367272	N/A	N/A	N/A
A_23_P115036	8,49164	8,36602	1,09097648	ENST00000372339	9670	NM_014652	IPO13
A_33_P3578325	9,92757	9,80196	1,090968918	N/A	6079	NR_000005	SNORD15A
A_24_P17722	11,6575	11,5319	1,090961356	ENST00000520794	23061	NM_198868	TBC1D9B
A_33_P3371819	5,21257	5,08698	1,090953794	ENST00000543322	79810	NM_024754	PTCD2
A_33_P3350638	6,32489	6,19931	1,090946233	ENST00000563666	3835	N/A	KIF22
A_23_P352389	4,88166	4,7561	1,090931109	ENST00000586359	124783	NM_152343	SPATA32
A_23_P33407	9,80122	9,67577	1,090847933	ENST00000562136	8924	NM_004667	HERC2
A_21_P0000105	1,77531	1,64986	1,090847933	N/A	100463289	NM_001190478	MTRNR2L5
A_33_P3338403	1,81017	1,68476	1,090817688	N/A	N/A	N/A	N/A
A_33_P3387050	14,8271	14,7017	1,090810128	ENST00000313465	414919	NM_001001795	C8orf82
A_24_P706752	8,4421	8,3167	1,090810128	ENST00000243501	81579	NM_030821	PLA2G12A
A_22_P00000216	1,76077	1,63541	1,090779884	N/A	101927356	NR_110077	LOC101927356
A_33_P3246863	6,59298	6,46765	1,090757202	ENST00000565356	54496	AK123945	PRMT7
A_33_P3228622	1,78525	1,65992	1,090757202	ENST00000342623	401994	NM_001004734	OR14I1
A_33_P3306964	8,79007	8,66475	1,090749642	ENST00000424051	5504	NM_006241	PPP1R2
A_24_P65199	8,32145	8,19614	1,090742081	ENST00000511415	8558	NM_052987	CDK10

A_33_P3315554	10,1371	10,0118	1,090734521	ENST00000272972	51281	NM_001282771	ANKMY1
A_23_P52082	9,03698	8,91169	1,090726961	ENST00000440600	25896	NM_015434	INTS7
A_22_P00000976	3,88389	3,75864	1,09069672	N/A	101929946	XR_424109	LOC101929946
A_21_P0001751	1,93506	1,80984	1,090674039	N/A	N/A	N/A	Inc-FAIM3-2
A_33_P3257617	5,44506	5,31987	1,09065136	ENST00000356764	4660	NM_001167858	PPP1R12B
A_21_P0004586	1,78956	1,66442	1,090613561	N/A	N/A	N/A	Inc-BOD1-2
A_33_P3282624	1,76523	1,64009	1,090613561	N/A	N/A	N/A	N/A
A_23_P101905	5,17206	5,04693	1,090606002	ENST00000535453	10297	NM_005883	APC2
A_21_P0008651	3,89861	3,77348	1,090606002	N/A	N/A	N/A	Inc-THSD4-2
A_23_P161522	12,608	12,4829	1,090583324	ENST00000537601	80194	NM_025124	TMEM134
A_23_P158533	9,78014	9,65504	1,090583324	ENST00000525904	10522	NM_021008	DEAF1
A_22_P00003849	1,82655	1,70151	1,090537968	N/A	N/A	BX339092	Inc-CEBPB-4
A_24_P70303	4,19593	4,07089	1,090537968	ENST00000262138	27092	NM_014405	CACNG4
A_33_P3288774	8,55802	8,433	1,09052285	ENST00000367694	149041	NM_001300850	RC3H1
A_21_P0010761	1,7623	1,6373	1,090507733	ENST00000415842	101927084	NR_119383	LINC01359
A_22_P00006075	1,76051	1,63551	1,090507733	ENST00000433377	N/A	N/A	N/A
A_33_P3253583	1,7607	1,63577	1,090454822	ENST00000624268	283162	NM_001005196	OR8B4
A_23_P47579	2,4513	2,32639	1,090439705	ENST00000299481	338323	NM_176822	NLRP14
A_22_P00012943	1,95189	1,82698	1,090439705	N/A	N/A	AK125786	Inc-RDH10-3
A_33_P3370163	4,1966	4,07179	1,090364124	N/A	N/A	N/A	N/A
A_24_P664939	10,2112	10,0864	1,090356567	N/A	7555	NM_001127192	CNBP
A_33_P3264399	2,16554	2,04078	1,090326336	N/A	N/A	N/A	N/A
A_32_P129862	1,77166	1,6469	1,090326336	ENST00000340700	54207	NM_138317	KCNK10
A_22_P00012492	2,3521	2,22735	1,090318778	N/A	N/A	N/A	Inc-PSCA-1
A_23_P4133	2,45833	2,33363	1,090280992	ENST00000452774	314	NM_001158	AOC2
A_19_P00321124	1,53489	1,41021	1,090265877	ENST00000435813	101928687	NR_120641	LINC01468
A_33_P3323647	1,76297	1,63832	1,090243206	ENST00000437645	284656	AK131215	EPHA10
A_21_P0000615	4,85276	4,72811	1,090243206	ENST00000429269	100302691	NR_033927	LINC00184
A_24_P935881	11,6638	11,5392	1,090205422	ENST00000511162	728492	NM_022978	SERF1B
A_21_P0002309	1,78172	1,65713	1,090197865	N/A	N/A	N/A	Inc-GCA-4
A_21_P0014681	1,83323	1,70864	1,090197865	ENST00000561386	100506530	XR_111518	LOC100506530
A_33_P3763846	7,58865	7,4641	1,090167639	ENST00000622558	6300	NM_001303252	MAPK12
A_33_P3246258	1,82172	1,69721	1,090137413	N/A	25966	AK129520	C2CD2

A_22_P00013160	1,79355	1,66915	1,090054298	ENST00000437646	N/A	N/A	N/A
A_23_P31873	10,3942	10,2698	1,090054298	ENST00000330843	80223	NM_001002814	RAB11FIP1
A_33_P3381623	1,91316	1,78878	1,090039186	ENST00000481449	151056	NM_153021	PLB1
A_21_P0006378	1,89063	1,76628	1,09001652	N/A	N/A	N/A	Inc-LINGO2-2
A_24_P366165	16,2025	16,0782	1,089978743	ENST00000415894	N/A	N/A	N/A
A_23_P165984	7,81722	7,69297	1,089940968	ENST00000255152	140831	NM_080752	ZSWIM3
A_23_P170774	9,95282	9,82858	1,089933413	ENST00000455198	1876	NM_198256	E2F6
A_21_P0001978	3,51377	3,38954	1,089925859	N/A	N/A	N/A	Inc-ITM2C-1
A_33_P3369505	7,42609	7,30188	1,089910749	ENST00000373045	149175	NM_001031740	MANEAL
A_23_P127385	5,67648	5,55228	1,089903194	ENST00000256993	4607	NM_000256	MYBPC3
A_21_P0010794	7,61231	7,48811	1,089903194	ENST00000411733	N/A	XR_426569	N/A
A_21_P0001353	1,91843	1,79429	1,089857868	N/A	101928334	N/A	LOC101928334
A_22_P00000623	1,86065	1,73652	1,089850313	N/A	101930516	XR_249063	LOC101930516
A_22_P00009851	1,75893	1,63481	1,089842759	ENST00000528132	N/A	AK127863	N/A
A_33_P3223825	4,26978	4,14578	1,089752112	ENST00000612155	222183	NM_001291831	SRRM3
A_22_P00010107	1,75967	1,6357	1,089729452	N/A	N/A	AK130416	Inc-MRGPRF-1
A_22_P00021886	1,81878	1,69486	1,089691685	ENST00000544015	N/A	N/A	N/A
A_23_P156809	11,5913	11,4674	1,089676579	ENST00000625001	151194	NM_001127395	METTL21A
A_23_P85777	11,3082	11,1843	1,089676579	ENST00000469332	8443	NM_014236	GNPAT
A_33_P3250223	1,83265	1,7088	1,089638814	N/A	N/A	N/A	N/A
A_33_P3234984	6,04227	5,91843	1,089631262	ENST00000361948	28981	NM_031473	IFT81
A_33_P3861385	4,14505	4,02121	1,089631262	N/A	N/A	N/A	Inc-FOXD4L6-3
A_33_P3235004	6,01495	5,89113	1,089616156	ENST00000269243	4628	NM_001256012	MYH10
A_23_P147729	8,66979	8,54597	1,089616156	ENST00000398004	55508	NM_018656	SLC35E3
A_33_P3226202	9,6308	9,50707	1,089548184	ENST00000361577	23116	NM_015091	FAM179B
A_21_P0008429	1,75888	1,6352	1,089510424	N/A	N/A	N/A	Inc-KLHL28-3
A_33_P3414982	1,82824	1,70456	1,089510424	ENST00000369254	114792	NM_052904	KLHL32
A_22_P00012441	4,7902	4,66652	1,089510424	N/A	N/A	N/A	Inc-PROM1-1
A_24_P409661	11,1169	10,9933	1,089450011	ENST00000448345	N/A	N/A	N/A
A_24_P332471	15,7791	15,6555	1,089450011	ENST00000437175	N/A	N/A	N/A
A_23_P65041	6,90432	6,78075	1,089427356	ENST00000550663	83956	NR_026583	RACGAP1P
A_21_P0011403	7,02098	6,89741	1,089427356	ENST00000340249	283796	N/A	GOLGA8IP
A_33_P3227260	1,81198	1,68844	1,089404703	N/A	N/A	N/A	N/A

A_22_P00020264	3,22703	3,1035	1,089397151	N/A	101929577	N/A	LOC101929577
A_24_P377277	11,1383	11,0148	1,089374498	ENST00000615899	3308	NM_002154	HSPA4
A_23_P87635	11,4019	11,2784	1,089374498	ENST00000549621	84934	NM_032848	RITA1
A_23_P420863	6,96007	6,83659	1,089359397	ENST00000300589	64127	NM_022162	NOD2
A_21_P0003836	1,81345	1,69	1,089336744	N/A	101927145	XR_245248	LOC101927145
A_24_P319647	3,43688	3,31346	1,089314092	ENST00000469986	79368	NM_030764	FCRL2
A_21_P0011739	4,98776	4,86435	1,089306542	ENST00000328088	100129800	N/A	ZNF807
A_21_P0009786	1,76784	1,64444	1,089298991	ENST00000589967	100996681	XR_158931	LOC100996681
A_21_P0009264	1,76036	1,63697	1,089291441	N/A	N/A	N/A	Inc-RGS9-1
A_33_P3317797	4,13863	4,01528	1,08926124	ENST00000377414	6518	NM_001135585	SLC2A5
A_21_P0011376	18,2443	18,121	1,089223489	N/A	N/A	N/A	XLOC_I2_004940
A_33_P3306103	2,46136	2,33817	1,089140443	ENST00000410068	10203	NM_005795	CALCRL
A_22_P00005242	4,06524	3,94209	1,089110247	N/A	N/A	BQ944104	Inc-DLX2-4
A_33_P3338494	2,1593	2,03616	1,089102697	ENST00000370126	8634	N/A	RTCA
A_24_P178423	13,2001	13,077	1,089072501	ENST00000399515	3183	NM_031314	HNRNPC
A_23_P102890	13,6585	13,5354	1,089072501	ENST00000483977	64968	NM_032476	MRPS6
A_19_P00318255	1,82339	1,70029	1,089072501	N/A	100861523	N/A	RPS6KA2-AS1
A_23_P205830	13,0173	12,8942	1,089072501	ENST00000261721	53339	NM_025238	BTBD1
A_33_P3231602	1,82885	1,70576	1,089064953	ENST00000316950	148266	NM_152484	ZNF569
A_33_P3299140	5,22493	5,10184	1,089064953	ENST00000435745	9328	XM_005272234	GTF3C5
A_24_P67988	12,737	12,614	1,088997015	ENST00000317568	83786	NM_031904	FRMD8
A_23_P79725	7,36534	7,24234	1,088997015	ENST00000488111	64708	NM_022730	COPS7B
A_22_P00013616	7,8703	7,74736	1,088951726	N/A	N/A	AK125621	Inc-RP11-582J16.5.1-1
A_22_P00005426	1,85002	1,7271	1,08893663	N/A	N/A	N/A	Inc-DTWD2-1
A_24_P43391	10,4021	10,2792	1,088921534	ENST00000509575	55858	NM_018475	TMEM165
A_33_P3383606	11,3885	11,2656	1,088921534	ENST00000610776	375616	NM_001135914	KCP
A_32_P539109	1,75026	1,62736	1,088921534	ENST00000542375	128859	NM_174897	BPIFB6
A_21_P0000870	5,37417	5,25127	1,088921534	N/A	100533182	NR_039978	SEC24B-AS1
A_22_P00025600	1,85836	1,73546	1,088921534	N/A	50652	NR_015342	PCA3
A_33_P3881262	6,00235	5,87946	1,088913987	ENST00000464465	1441	NM_156039	CSF3R
A_21_P0014388	4,71768	4,59481	1,088898891	ENST00000590787	1785	AK124881	DNM2
A_23_P94103	2,61574	2,49293	1,088853606	ENST00000380385	286133	NM_173833	SCARA5
A_23_P152919	11,2	11,0772	1,088846059	ENST00000574087	4927	NM_002532	NUP88

A_21_P0014199	4,19917	4,07638	1,088838511	ENST00000447086	N/A	XR_242367	N/A
A_22_P00019710	1,84878	1,72608	1,088770588	N/A	N/A	N/A	Inc-ADRB1-1
A_21_P0009536	4,81002	4,68735	1,088747948	N/A	N/A	N/A	Inc-SS18-1
A_21_P0009575	1,86005	1,73741	1,088725309	N/A	N/A	N/A	Inc-NETO1-2
A_23_P134827	11,6469	11,5243	1,088695123	ENST00000517496	9070	NM_004674	ASH2L
A_33_P3375665	11,9885	11,8659	1,088695123	ENST00000406360	2309	NM_001455	FOXO3
A_24_P292020	13,6754	13,5528	1,088695123	ENST00000292614	5439	NM_006234	POLR2J
A_22_P00019190	1,77082	1,64825	1,088672485	ENST00000578673	N/A	N/A	N/A
A_33_P3399788	8,00682	7,88425	1,088672485	ENST00000393078	12	NM_001085	SERPINA3
A_23_P136623	1,81828	1,69572	1,088664938	ENST00000462833	111	NM_183357	ADCY5
A_19_P00322828	5,89141	5,76886	1,088657392	ENST00000613780	440823	NR_003491	MIAT
A_22_P00001365	4,192	4,06947	1,088642301	N/A	N/A	AK127422	Inc-AP001793.1-1
A_23_P1926	11,722	11,5995	1,088619663	ENST00000542794	54949	NM_017841	SDHAF2
A_23_P304511	6,31988	6,19738	1,088619663	ENST00000261333	84307	NM_032347	ZNF397
A_33_P3247205	7,79554	7,67305	1,088612117	ENST00000366910	64757	NM_022746	mar-01
A_21_P0000892	6,40489	6,28241	1,088604572	N/A	100507351	NR_040050	LOC100507351
A_23_P317347	8,38431	8,26186	1,088581935	ENST00000622333	114799	NM_052911	ESCO1
A_33_P3338397	1,85444	1,73201	1,088566844	N/A	100128651	AK127243	LOC100128651
A_23_P28652	12,0768	11,9544	1,088544208	ENST00000380171	51374	NM_016085	ATRAID
A_23_P158708	1,77811	1,65571	1,088544208	ENST00000442544	1630	NM_005215	DCC
A_22_P00025816	5,3006	5,17826	1,088498938	N/A	100505978	NR_038912	LOC100505978
A_22_P00012977	1,79573	1,67343	1,088468759	ENST00000424689	N/A	N/A	N/A
A_22_P00014420	1,85217	1,72988	1,088461214	N/A	N/A	N/A	Inc-SGMS1-1
A_23_P24676	3,73912	3,61691	1,088400859	ENST00000302270	219417	NM_001005204	OR8U1
A_24_P282251	1,79894	1,67673	1,088400859	ENST00000622532	2243	NM_021871	FGA
A_22_P00000548	1,82277	1,70059	1,088378226	ENST00000452153	100996813	XR_429857	LOC100996813
A_23_P301886	3,11095	2,98878	1,088370682	ENST00000481185	6493	NM_009586	SIM2
A_22_P00008602	2,78648	2,66436	1,088332963	ENST00000443688	N/A	N/A	N/A
A_24_P12435	12,7447	12,6226	1,088317876	ENST00000368357	135112	NM_181782	NCOA7
A_33_P3318642	3,5611	3,43902	1,088302788	ENST00000539976	4157	N/A	MC1R
A_33_P3769406	9,95792	9,83586	1,088287701	ENST00000374820	128869	NM_080476	PIGU
A_23_P301877	9,19778	9,07574	1,088272615	ENST00000357028	9442	NM_004269	MED27
A_23_P130811	1,78565	1,66361	1,088272615	ENST00000355537	9745	NM_014717	ZNF536



A_22_P00024379	1,74736	1,62532	1,088272615	N/A	N/A	N/A	Inc-C4orf21-1
A_24_P35169	11,2349	11,1129	1,088242442	ENST00000287957	57798	NM_021167	GATAD1
A_22_P00006633	1,75546	1,63347	1,088234899	N/A	N/A	N/A	Inc-FOXD3-2
A_23_P1492	12,8375	12,7156	1,088167013	ENST00000370626	60370	NM_021732	AVPI1
A_33_P3268084	1,82042	1,69855	1,088144386	ENST00000322110	119694	NM_001004753	OR51F2
A_22_P00013774	1,80452	1,6827	1,088106674	ENST00000521608	104266958	NR_126348	LINC01151
A_33_P3393408	6,9943	6,87249	1,088099132	ENST00000444498	26063	NM_020664	DECR2
A_22_P00019993	8,25926	8,13746	1,08809159	N/A	N/A	N/A	Inc-MANSC4-3
A_33_P3289466	5,35056	5,22885	1,088023713	N/A	N/A	N/A	N/A
A_23_P215658	12,9186	12,7969	1,088016172	ENST00000495973	9238	NM_030900	TBRG4
A_33_P3343785	12,863	12,7413	1,088016172	ENST00000377710	92667	NM_052865	MGME1
A_33_P3250268	5,60994	5,48825	1,08800863	ENST00000567390	728310	N/A	GOLGA6L7P
A_23_P80662	1,75692	1,63524	1,088001089	ENST00000306087	8403	NM_004189	SOX14
A_33_P3299225	1,82894	1,70728	1,087986006	N/A	N/A	N/A	Inc-RARS-3
A_33_P3265222	5,92741	5,8058	1,0879483	ENST00000529753	57535	NM_020775	KIAA1324
A_22_P00004103	4,64945	4,52785	1,087940759	N/A	N/A	BC032902	Inc-CKB-2
A_24_P159702	6,01734	5,89576	1,087925677	ENST00000251047	3998	NM_005570	LMAN1
A_24_P77364	13,4942	13,3727	1,087865351	ENST00000469676	388962	NM_212552	BOLA3
A_33_P3413523	8,90802	8,78657	1,087827649	ENST00000412976	10926	NM_006716	DBF4
A_24_P84898	9,89556	9,77412	1,087820109	ENST00000305885	2237	NM_004111	FEN1
A_24_P280803	17,2174	17,096	1,087789948	ENST00000492356	6227	BC018140	RPS21
A_22_P00014166	3,39136	3,26998	1,087774869	N/A	N/A	N/A	Inc-SCRN3-2
A_33_P3284132	1,65557	1,5342	1,087767329	ENST00000368674	118611	NM_001004298	C10orf90
A_21_P0002010	5,22885	5,10754	1,087722091	ENST00000454043	339789	N/A	LINC00299
A_21_P0007605	2,02495	1,90366	1,087707012	ENST00000551571	N/A	N/A	N/A
A_33_P3291349	9,71583	9,59459	1,087669315	ENST00000591994	55197	NM_001303413	RPRD1A
A_24_P112032	1,80648	1,68527	1,087646698	ENST00000453413	89822	NM_031460	KCNK17
A_23_P897	12,0483	11,9271	1,087639159	ENST00000359470	79098	NM_023938	C1orf116
A_33_P3232294	7,9986	7,87743	1,087616543	ENST00000242737	3709	NM_002223	ITPR2
A_24_P365753	6,69918	6,57802	1,087609004	ENST00000585790	158801	NR_027131	NKAPP1
A_21_P0004979	1,85459	1,73348	1,087571311	ENST00000610240	N/A	N/A	N/A
A_24_P270769	14,6717	14,5506	1,087563772	ENST00000568784	55737	NM_018206	VPS35
A_22_P00010933	1,84478	1,72368	1,087563772	ENST00000502383	N/A	DB224121	N/A

A_19_P00800166	7,74981	7,62875	1,087533619	ENST00000295549	375295	NR_040001	LINC01116
A_32_P37495	1,82723	1,70618	1,087526081	ENST00000555001	100506700	NR_109999	LOC100506700
A_33_P3334185	5,14607	5,02504	1,087511005	ENST00000376080	23287	NM_015239	AGTPBP1
A_33_P3212716	9,1125	8,99156	1,087443164	N/A	101929998	N/A	LOC101929998
A_22_P00016131	1,76907	1,64816	1,087420552	N/A	100131117	NR_038993	ZBTB20-AS1
A_32_P47554	16,5731	16,4522	1,087413015	ENST00000513345	3094	NM_005340	HINT1
A_21_P0004918	1,85563	1,73474	1,087405477	N/A	N/A	N/A	Inc-QRSL1-2
A_33_P3415678	4,312	4,19115	1,087375328	N/A	N/A	N/A	N/A
A_22_P00022142	4,84232	4,72148	1,087367791	N/A	N/A	N/A	Inc-CYR61-3
A_21_P0009597	5,83632	5,7155	1,087352717	ENST00000572573	102723376	NR_110795	LOC102723376
A_22_P00008761	1,84085	1,72004	1,08734518	ENST00000416607	101929551	NR_110256	LOC101929551
A_33_P8814326	17,5039	17,3831	1,087337643	ENST00000429276	440278	BC052612	CATSPER2P1
A_22_P00008123	1,58376	1,46298	1,08732257	N/A	101927693	XR_246584	LOC101927693
A_22_P00009995	4,22738	4,10661	1,087315033	N/A	N/A	N/A	Inc-MLLT4-1
A_21_P0012665	1,85494	1,73419	1,08729996	ENST00000509098	N/A	N/A	N/A
A_23_P46105	1,73586	1,61513	1,087284887	ENST00000622548	51179	NM_001005783	HAO2
A_33_P3352980	8,7206	8,59996	1,08721706	N/A	N/A	N/A	N/A
A_22_P00013759	5,98439	5,86376	1,087209524	N/A	N/A	N/A	Inc-RP11-90J19.1.1-1
A_23_P152353	9,54271	9,42209	1,087201989	ENST00000563459	124454	NM_001083614	EARS2
A_21_P0003461	1,78207	1,6615	1,08716431	N/A	N/A	N/A	Inc-ATP8A1-1
A_33_P3287338	8,21449	8,09396	1,087134167	ENST00000522633	3572	NM_001190981	IL6ST
A_33_P3329916	18,121	18,0005	1,087111561	ENST00000340697	6128	NM_001024662	RPL6
A_22_P00023904	4,2069	4,08643	1,087088956	N/A	N/A	N/A	Inc-GPR182-1
A_21_P0013242	3,84334	3,72289	1,087073886	N/A	N/A	N/A	XLOC_I2_013484
A_21_P0009356	1,86108	1,74065	1,087058816	ENST00000430908	102723505	NR_110876	LOC102723505
A_22_P00001752	1,84149	1,72107	1,087051281	N/A	N/A	BC056236	Inc-ATOH8-2
A_23_P4611	11,8961	11,7757	1,087036211	ENST00000263093	10998	NM_012254	SLC27A5
A_21_P0013038	1,79752	1,67713	1,087028676	N/A	N/A	N/A	XLOC_I2_012727
A_21_P0010838	6,36615	6,2458	1,086998538	N/A	N/A	N/A	XLOC_I2_001669
A_21_P0000061	7,07106	6,95076	1,086960866	ENST00000440612	10669	NM_001301324	CGREF1
A_21_P0006011	1,75251	1,63221	1,086960866	ENST00000622281	N/A	N/A	N/A
A_23_P96369	3,74475	3,62447	1,086945798	ENST00000372544	55086	NM_018015	CXorf57
A_21_P0005786	1,80988	1,68962	1,08693073	N/A	N/A	N/A	Inc-CSMD1-9

A_22_P00007212	1,75848	1,63825	1,086908128	ENST00000434117	N/A	N/A	N/A
A_33_P3326713	4,76599	4,64578	1,08689306	ENST00000458257	84182	NM_032222	FAM188B
A_33_P3278826	7,29345	7,1733	1,086847858	ENST00000563518	4058	BC045607	LTK
A_21_P0005522	2,32471	2,20457	1,086840325	N/A	N/A	N/A	Inc-PPP1R3A-1
A_24_P413126	11,7834	11,6633	1,086810192	ENST00000265626	56937	NM_020182	PM EPA1
A_24_P195476	11,1248	11,0047	1,086810192	ENST00000431037	5395	NM_000535	PMS2
A_21_P0001531	1,88924	1,76914	1,086810192	N/A	N/A	N/A	Inc-RP4-604K5.1.1-5
A_33_P3294382	1,74313	1,62307	1,086780059	N/A	440031	XR_252866	LOC440031
A_24_P375849	15,9539	15,8339	1,086734863	ENST00000461663	N/A	N/A	N/A
A_33_P3219434	8,12193	8,00194	1,08672733	ENST00000359316	54996	NM_017898	mar-02
A_22_P00008107	3,80157	3,68158	1,08672733	N/A	N/A	N/A	Inc-IL1B-1
A_21_P0003696	1,82089	1,70095	1,086689667	N/A	N/A	N/A	Inc-ZFP42-2
A_23_P130020	11,5527	11,4328	1,086659538	ENST00000508506	51096	NM_016001	UTP18
A_21_P0010705	1,791	1,6712	1,08658422	ENST00000451250	N/A	N/A	N/A
A_22_P00011973	1,81054	1,69075	1,086576688	ENST00000429725	N/A	BC040856	N/A
A_33_P3251538	9,08422	8,96445	1,086561625	ENST00000473837	79109	NM_001006618	MAPKAP1
A_22_P00016296	1,81884	1,69908	1,086554093	ENST00000542804	N/A	BX101435	N/A
A_22_P00022068	1,83363	1,71388	1,086546562	ENST00000440455	N/A	N/A	N/A
A_24_P21056	11,4745	11,3548	1,086508906	ENST00000521747	9678	NM_014660	PHF14
A_22_P00018342	5,01874	4,89904	1,086508906	N/A	N/A	N/A	Inc-ZRANB1-2
A_33_P3383184	1,75196	1,63227	1,086501375	ENST00000394967	100131390	N/A	SP9
A_32_P461386	1,78462	1,66497	1,086471251	N/A	339834	XM_006713124	CCDC36
A_22_P00006264	9,07443	8,95482	1,086441128	N/A	650669	NR_044995	GAS6-AS1
A_33_P3346508	6,54487	6,42532	1,086395945	N/A	N/A	N/A	N/A
A_22_P00024795	5,61839	5,49885	1,086388415	ENST00000431557	N/A	N/A	N/A
A_22_P00016885	1,97687	1,85735	1,086373354	N/A	N/A	AK130110	Inc-TSFM-1
A_24_P140391	12,7658	12,6463	1,086358294	ENST00000273968	84992	NM_001042616	PIGY
A_24_P332341	9,79302	9,67354	1,086343234	ENST00000326391	N/A	BC062722	N/A
A_23_P56604	3,40555	3,28607	1,086343234	ENST00000481806	8808	NM_003854	IL1RL2
A_23_P12858	4,94291	4,82343	1,086343234	ENST00000456372	219793	NM_152710	TBATA
A_24_P414269	13,4346	13,3152	1,086282996	ENST00000397676	10195	NM_005787	ALG3
A_33_P3288924	6,06048	5,9411	1,086267937	N/A	N/A	AK098478	N/A
A_33_P3391496	5,02646	4,9071	1,086252878	N/A	N/A	N/A	N/A

A_22_P00007936	6,29703	6,1777	1,086230291	ENST00000509453	N/A	N/A	N/A
A_23_P38795	3,38418	3,26485	1,086230291	ENST00000595042	2357	NM_002029	FPR1
A_23_P48121	12,5837	12,4644	1,086207703	ENST00000357103	79602	NM_024551	ADIPOR2
A_23_P7250	8,72402	8,60472	1,086207703	ENST00000295887	1040	NM_001263	CDS1
A_22_P00001922	1,8141	1,69481	1,086200174	ENST00000449928	102723883	NR_125869	LOC102723883
A_22_P00015166	1,79964	1,68036	1,086192645	N/A	N/A	N/A	Inc-SORCS1-5
A_33_P3393851	4,27066	4,15141	1,086170059	ENST00000467702	491	XM_006713180	ATP2B2
A_21_P0000235	8,67816	8,55892	1,08616253	ENST00000490490	574040	NR_002325	SNORA6
A_33_P3312342	1,73016	1,61094	1,086147473	N/A	N/A	N/A	N/A
A_21_P0012070	6,98475	6,86558	1,086109831	ENST00000448204	N/A	N/A	N/A
A_22_P00007631	1,85792	1,73879	1,086079718	N/A	N/A	N/A	Inc-HEPH-2
A_32_P234604	13,3434	13,2243	1,086057133	ENST00000225655	5216	NM_005022	PFN1
A_23_P78134	13,2165	13,0974	1,086057133	ENST00000248378	83460	NM_001014764	EMC6
A_33_P3261373	1,75014	1,63105	1,086049606	ENST00000319813	N/A	N/A	N/A
A_21_P0011091	1,7752	1,65615	1,086019494	N/A	N/A	N/A	XLOC_I2_003293
A_23_P141863	8,63404	8,51501	1,086004439	ENST00000596652	27300	NM_014480	ZNF544
A_33_P3309231	16,9444	16,8254	1,085981856	ENST00000216027	150274	NM_172002	HSCB
A_33_P3383422	9,82304	9,70404	1,085981856	ENST00000397075	10901	NM_001282991	DHRS4
A_33_P3373165	3,53029	3,41135	1,085936693	ENST00000449051	100288687	NM_001293798	DUX4
A_33_P3254082	5,99091	5,87198	1,085929165	ENST00000485981	55064	XR_242509	SPATA6L
A_23_P17811	8,2974	8,17848	1,085921638	ENST00000620251	23541	NM_012429	SEC14L2
A_33_P3274129	1,85331	1,73448	1,085853897	ENST00000451188	441151	NM_001137560	TMEM151B
A_33_P3407230	5,00876	4,88995	1,085838844	N/A	N/A	N/A	N/A
A_33_P3418158	7,23271	7,1139	1,085838844	ENST00000373360	29988	NM_001271711	SLC2A8
A_22_P00018993	1,81947	1,70067	1,085831318	ENST00000509185	102723557	XR_427766	LOC102723557
A_33_P3271087	2,14561	2,02684	1,085808739	ENST00000528743	3846	NM_005553	KRTAP5-9
A_22_P00024919	1,96524	1,84647	1,085808739	N/A	N/A	N/A	Inc-TRMT2A-2
A_22_P00019029	1,82206	1,7033	1,085801212	N/A	N/A	N/A	Inc-FAM196A-1
A_23_P160582	10,777	10,6583	1,085756056	ENST00000496142	81888	NM_031207	HYI
A_33_P3258593	8,69437	8,57572	1,085718427	ENST00000612352	5542	NM_005039	PRB1
A_24_P932875	1,81768	1,69906	1,085695851	N/A	N/A	XR_112468	N/A
A_22_P00012417	1,74612	1,62751	1,085688325	ENST00000427775	N/A	N/A	N/A
A_33_P3375673	16,844	16,7254	1,0856808	ENST00000466297	N/A	N/A	N/A

A_24_P289795	4,19381	4,07521	1,0856808	ENST00000444515	N/A	N/A	N/A
A_23_P56578	1,807	1,68841	1,085673275	ENST00000379242	5212	NM_053276	VIT
A_24_P830690	8,96917	8,85064	1,085628124	ENST00000562415	5170	NM_002613	PDPK1
A_21_P0001527	1,75327	1,63475	1,085620599	N/A	N/A	N/A	Inc-GNG5-1
A_21_P0006074	1,8547	1,73618	1,085620599	ENST00000621296	N/A	N/A	N/A
A_23_P163682	12,3429	12,2244	1,085605549	ENST00000428730	64285	NM_022450	RHBDF1
A_21_P0012596	3,01785	2,89935	1,085605549	N/A	100505875	NR_038342	LINC01088
A_33_P3412678	1,82261	1,70415	1,08557545	ENST00000322246	245915	NM_001037498	DEFB112
A_22_P00019500	1,61418	1,49574	1,085560401	N/A	101927075	NR_108034	FGF10-AS1
A_33_P3280739	10,2215	10,1031	1,085530303	ENST00000497080	22930	NM_001172435	RAB3GAP1
A_22_P00015917	4,24617	4,12781	1,085500206	ENST00000446473	N/A	N/A	N/A
A_22_P00019490	1,80627	1,68794	1,085477634	N/A	N/A	BE393031	Inc-UBLCP1-3
A_22_P00016955	1,85153	1,7332	1,085477634	N/A	N/A	N/A	Inc-TSPYL6-3
A_33_P3401327	1,82222	1,70391	1,085462586	ENST00000535880	N/A	X13953	N/A
A_24_P134356	10,6608	10,5425	1,085455062	ENST00000378226	22903	NM_014962	BTBD3
A_23_P42128	1,8229	1,70462	1,085440015	ENST00000453413	89822	NM_031460	KCNK17
A_23_P167328	1,52642	1,40816	1,085424968	ENST00000502843	952	NM_001775	CD38
A_33_P3406623	1,90716	1,78908	1,085289551	ENST00000322272	8742	NM_003809	TNFSF12
A_24_P694760	8,78055	8,6625	1,085266984	ENST00000589028	23085	NM_178040	ERC1
A_22_P00025902	1,75696	1,63894	1,085244416	ENST00000515825	N/A	N/A	N/A
A_24_P203726	17,721	17,603	1,085229372	ENST00000321418	N/A	N/A	N/A
A_33_P3288219	8,19953	8,08154	1,08522185	N/A	N/A	AK127589	N/A
A_22_P00024948	1,84227	1,72431	1,085199283	N/A	N/A	N/A	Inc-CTIF-2
A_32_P1701	9,85807	9,74018	1,08514663	ENST00000611764	5422	NM_016937	POLA1
A_33_P3246011	1,76011	1,64227	1,085109023	N/A	N/A	N/A	N/A
A_21_P0012837	1,92221	1,80441	1,085078938	N/A	N/A	N/A	XLOC_I2_011669
A_22_P00013356	1,79818	1,6804	1,085063895	ENST00000521725	N/A	DA858760	N/A
A_21_P0005977	5,2925	5,17473	1,085056374	N/A	N/A	N/A	Inc-ZFAT-5
A_22_P00011249	1,76313	1,64538	1,085041332	N/A	N/A	N/A	Inc-OR2AT4-1
A_21_P0001273	10,0438	9,92606	1,085033811	N/A	N/A	N/A	Inc-LDLRAP1-1
A_23_P431381	10,1114	9,99366	1,085033811	ENST00000392522	283643	NM_001134875	C14orf80
A_21_P0014692	3,7263	3,60858	1,08501877	N/A	N/A	N/A	N/A
A_33_P3781394	9,54741	9,4297	1,085011249	ENST00000421004	728769	NR_105014	SCAMP1-AS1

A_33_P3326634	9,72181	9,6041	1,085011249	ENST00000394299	2719	NM_001164617	GPC3
A_32_P11230	11,288	11,1703	1,085003728	N/A	399744	NR_024497	LINC00999
A_21_P0006084	1,80217	1,68453	1,084958605	N/A	N/A	N/A	lnc-CDK20-3
A_21_P0004013	1,56827	1,45063	1,084958605	ENST00000427584	N/A	N/A	N/A
A_22_P00016007	1,7355	1,61788	1,084943565	N/A	N/A	N/A	lnc-TFB2M-1
A_24_P88079	6,94564	6,82802	1,084943565	ENST00000619759	4588	NM_005961	MUC6
A_24_P142473	10,187	10,0694	1,084928524	ENST00000570385	23399	NM_015343	CTDNEP1
A_21_P0003137	16,6375	16,5199	1,084928524	ENST00000600213	100462981	NM_001190470	MTRNR2L2
A_23_P104413	15,6965	15,5789	1,084928524	ENST00000616429	100288687	NM_001293798	DUX4
A_23_P146379	6,58421	6,46663	1,084913484	ENST00000259569	26953	NM_012416	RANBP6
A_23_P403745	8,96155	8,84399	1,084898444	ENST00000338779	92154	NM_138383	MTSS1L
A_21_P0000313	6,49303	6,37547	1,084898444	N/A	677803	NR_002957	SNORA15
A_22_P00018617	6,28687	6,16932	1,084890924	N/A	101927027	NR_110204	LOC101927027
A_23_P148204	1,84886	1,73134	1,084868365	ENST00000529813	55031	NM_017944	USP47
A_22_P00009590	1,90863	1,79124	1,084770612	ENST00000558343	N/A	N/A	N/A
A_22_P00024904	1,80425	1,68688	1,084755574	ENST00000547515	N/A	DA745931	N/A
A_21_P0006271	1,84806	1,73071	1,084740537	N/A	101927602	XR_246689	LOC101927602
A_22_P00009986	1,85231	1,73497	1,084733018	ENST00000562975	N/A	N/A	N/A
A_33_P3422124	1,74905	1,63173	1,08471798	ENST00000339602	116379	NM_181310	IL22RA2
A_21_P0010783	1,77182	1,6545	1,08471798	ENST00000420760	400799	N/A	LINC01344
A_23_P354547	6,79202	6,67473	1,084695424	ENST00000558468	10379	AK074144	IRF9
A_23_P374216	2,32321	2,20595	1,084672869	ENST00000324384	259239	NM_147197	WFDC11
A_23_P434347	5,86492	5,74767	1,084665351	ENST00000622089	50618	NM_147152	ITSN2
A_21_P0008304	5,41607	5,29883	1,084657832	N/A	N/A	N/A	lnc-FOXG1-6
A_33_P3406661	7,67814	7,5609	1,084657832	ENST00000298351	57156	NM_020431	TMEM63C
A_23_P398275	11,1109	10,9937	1,08462776	N/A	388152	NR_027001	GOLGA2P7
A_23_P320242	9,87166	9,75452	1,084582652	ENST00000394714	222223	NM_152748	KIAA1324L
A_24_P50157	16,0478	15,9307	1,084552582	ENST00000440335	N/A	N/A	N/A
A_33_P3349761	1,74675	1,62966	1,084545064	N/A	N/A	N/A	N/A
A_24_P278192	7,02917	6,91215	1,084492443	ENST00000373176	203	NM_000476	AK1
A_21_P0008596	1,83932	1,7223	1,084492443	N/A	N/A	N/A	lnc-C15orf2-2
A_22_P00010277	7,73058	7,61358	1,084477409	N/A	285441	N/A	F11-AS1
A_22_P00006476	4,6771	4,56013	1,084454858	N/A	100506994	NR_038283	PTPRG-AS1

A_23_P208847	10,0226	9,90565	1,084439824	ENST00000600938	51548	NM_016539	SIRT6
A_22_P00004214	2,62113	2,50418	1,084439824	ENST00000458420	64084	N/A	CLSTN2
A_21_P0005819	5,0323	4,91538	1,084417274	ENST00000519691	N/A	XR_247160	N/A
A_23_P305759	9,23919	9,12232	1,084379692	ENST00000577564	171586	NM_138340	ABHD3
A_33_P3295228	6,91892	6,80207	1,084364659	N/A	N/A	AY358211	N/A
A_21_P0008428	1,8532	1,73641	1,084319563	ENST00000553386	N/A	N/A	N/A
A_24_P336137	3,37971	3,26294	1,084304531	ENST00000403026	84645	NM_032561	C22orf23
A_33_P3267844	1,78908	1,67233	1,0842895	ENST00000300778	390061	NM_001004757	OR51Q1
A_21_P0004497	1,75042	1,6337	1,084266953	N/A	N/A	N/A	Inc-CDH6-2
A_24_P135748	9,98324	9,86653	1,084259437	ENST00000326039	79774	NM_024719	GRTP1
A_23_P104651	12,6477	12,531	1,084251922	ENST00000275517	113130	NM_080668	CDCA5
A_33_P3376681	1,81467	1,69805	1,0841918	ENST00000326571	124274	NM_001002911	GPR139
A_22_P00018823	5,10898	4,99238	1,08417677	ENST00000512035	N/A	N/A	N/A
A_33_P3231677	6,19637	6,0798	1,084154225	N/A	N/A	N/A	N/A
A_33_P3225937	6,27668	6,16013	1,084139195	ENST00000431177	9946	NM_145858	CRYZL1
A_33_P3373446	4,58396	4,46741	1,084139195	ENST00000453638	647264	XR_110127	LOC647264
A_22_P00003767	6,04641	5,9299	1,084109137	N/A	N/A	BI830505	Inc-CDK12-2
A_22_P00013555	6,36027	6,24378	1,084094108	ENST00000514619	N/A	N/A	N/A
A_23_P148858	4,15806	4,04158	1,084086594	ENST00000366398	N/A	AF010144	N/A
A_21_P0014776	1,89212	1,77564	1,084086594	ENST00000564832	N/A	AB073392	N/A
A_33_P3252479	9,25277	9,13631	1,084071565	ENST00000368962	9869	NM_001243491	SETDB1
A_23_P324538	4,68979	4,57337	1,084041509	ENST00000335633	353143	NM_178433	LCE3B
A_33_P3281036	11,1683	11,0519	1,084026481	ENST00000567732	493812	NR_026790	HCG11
A_23_P7896	8,41516	8,29876	1,084026481	ENST00000603290	56940	NM_020185	DUSP22
A_33_P3482461	1,81919	1,7028	1,084018967	N/A	150005	AK057475	LOC150005
A_21_P0000378	4,94472	4,82837	1,083988912	N/A	692107	NR_003055	SNORD66
A_33_P3260777	15,5842	15,4679	1,083951345	ENST00000000233	381	NM_001662	ARF5
A_23_P218111	5,51151	5,39522	1,083943831	ENST00000449399	5265	NM_001002236	SERPINA1
A_22_P00008600	1,74563	1,62934	1,083943831	N/A	101927183	XR_244434	LOC101927183
A_21_P0010331	5,36131	5,24506	1,083913779	N/A	N/A	N/A	Inc-NCF4-2
A_33_P3296169	8,12964	8,01342	1,083891239	ENST00000496441	83879	NM_031942	CDCA7
A_33_P3327519	6,82617	6,70997	1,083876214	N/A	26821	NR_002915	SNORA74A
A_33_P3284939	13,4511	13,3349	1,083876214	ENST00000371650	387521	NM_199129	TMEM189

A_21_P0012362	1,64894	1,53275	1,083868701	N/A	N/A	N/A	XLOC_I2_009613
A_33_P3346483	2,73813	2,62197	1,083846163	ENST00000394810	79933	NM_001114133	SYNPO2L
A_22_P00007246	3,77138	3,65523	1,08383865	N/A	N/A	BG183362	Inc-GPR126-1
A_33_P3359354	8,40989	8,29375	1,083831137	ENST00000428120	199990	NM_001282671	C1orf86
A_33_P3415972	1,74828	1,63214	1,083831137	ENST00000360388	222553	NM_001029858	SLC35F1
A_24_P290751	1,81842	1,70228	1,083831137	ENST00000547974	1840	NM_004416	DTX1
A_21_P0006579	7,50994	7,39384	1,083801088	ENST00000446884	101927574	NR_110388	LINC01186
A_22_P00011990	3,71013	3,59406	1,083778551	N/A	101929897	XR_426309	LOC101929897
A_23_P143484	10,9782	10,8622	1,083725967	ENST00000399098	51227	NM_153681	PIGP
A_22_P00025095	1,83604	1,72006	1,083710943	N/A	N/A	N/A	Inc-GGH-1
A_23_P142187	5,05204	4,9361	1,083680897	ENST00000377670	64344	NM_022462	HIF3A
A_23_P99186	7,48645	7,37053	1,083665874	ENST00000342494	89910	NM_183415	UBE3B
A_21_P0007933	1,8513	1,7354	1,083650851	ENST00000423211	121838	NR_026955	LINC00284
A_19_P00317171	1,77686	1,66099	1,083628318	N/A	727677	NR_024393	CASC8
A_33_P3317998	1,53011	1,41429	1,083590763	ENST00000377906	643394	NM_001040433	SPINK9
A_33_P7796746	18,5183	18,4025	1,083575741	ENST00000266880	4796	NM_013432	TONSL
A_24_P297888	1,80059	1,6848	1,08356823	ENST00000580718	4507	NM_002451	MTAP
A_23_P251927	9,67543	9,55968	1,083538188	ENST00000476546	54927	NM_017812	CHCHD3
A_33_P3244117	1,84734	1,73163	1,083508146	ENST00000568493	57519	N/A	STARD9
A_21_P0009848	2,15076	2,03507	1,083493126	N/A	N/A	N/A	Inc-ARFGEF2-3
A_33_P3359368	6,67637	6,56071	1,083470595	N/A	728635	NM_001277864	DHRS4L1
A_33_P3240043	2,21234	2,09668	1,083470595	N/A	N/A	N/A	Inc-AC005323.1.1-1
A_32_P115130	14,7317	14,6161	1,083425536	ENST00000371443	64975	NM_032477	MRPL41
A_33_P3303687	11,7891	11,6735	1,083425536	ENST00000405257	5700	NM_002802	PSMC1
A_21_P0001390	1,83481	1,71927	1,083380478	N/A	N/A	N/A	Inc-CEP350-1
A_23_P256391	10,6073	10,4918	1,083350441	ENST00000361924	2803	NM_002078	GOLGA4
A_33_P3219459	5,41451	5,29902	1,083342932	ENST00000378733	339453	NM_001114748	TMEM240
A_33_P3399150	1,91821	1,80274	1,083327914	ENST00000542515	220064	XR_428953	ORA0V1
A_23_P127978	1,83332	1,71789	1,083297878	ENST00000622824	192134	NM_138706	B3GNT6
A_22_P00010174	4,96437	4,84903	1,0832303	N/A	100505641	NR_046251	FGD5-AS1
A_21_P0012738	3,42682	3,3115	1,083215284	ENST00000509834	100507487	NR_125882	LOC100507487
A_33_P3223577	2,51597	2,40066	1,083207775	N/A	N/A	N/A	N/A
A_24_P321581	5,36689	5,25158	1,083207775	ENST00000447411	55089	NM_018018	SLC38A4



A_21_P0004750	9,81487	9,69957	1,083200267	N/A	N/A	N/A	Inc-SUPT3H-1
A_33_P3861706	10,4595	10,3442	1,083200267	ENST00000568604	54893	NM_017762	MTMR10
A_21_P0011230	1,79548	1,68021	1,083177743	ENST00000606973	N/A	N/A	N/A
A_21_P0010421	6,50268	6,38741	1,083177743	N/A	N/A	N/A	Inc-PPARA-2
A_33_P3221568	9,46197	9,34675	1,083140204	ENST00000457010	79798	NM_024742	ARMC5
A_33_P3310475	11,2951	11,1799	1,083125188	ENST00000264893	55752	NM_018243	set-11
A_19_P00808461	8,73954	8,62435	1,083117681	ENST00000452306	7587	NM_001007094	ZNF37A
A_22_P00020277	4,66525	4,55007	1,083110173	N/A	N/A	BJ995728	Inc-GCNT3-1
A_22_P00025305	1,74456	1,62941	1,083087651	ENST00000470739	N/A	N/A	N/A
A_24_P340941	3,7202	3,60505	1,083087651	ENST00000445374	100306975	NR_036507	NDUFAF4P1
A_23_P76332	1,78711	1,67198	1,083072636	ENST00000536722	5992	NM_213594	RFX4
A_23_P162782	11,4132	11,2981	1,083050114	ENST00000375926	55082	NM_018011	ARGLU1
A_24_P97825	7,48727	7,37224	1,082997566	ENST00000518189	26112	NM_015621	CCDC69
A_23_P99540	14,8485	14,7335	1,082975046	ENST00000439696	677	NM_004926	ZFP36L1
A_33_P3350306	3,54779	3,43285	1,082930007	ENST00000354698	51385	NM_016089	ZNF589
A_21_P0000014	5,34429	5,22937	1,082914994	ENST00000561594	22909	NM_001146096	FAN1
A_21_P0014833	5,56511	5,4502	1,082907488	N/A	100507209	AK130928	LOC100507209
A_33_P3508822	14,4535	14,3386	1,082899982	ENST00000359726	351	NM_000484	APP
A_33_P3325467	9,18516	9,07027	1,082892476	ENST00000521580	113444	NM_001164824	SMIM12
A_22_P00006212	4,59481	4,47993	1,08288497	N/A	N/A	AK091527	Inc-FAM43A-8
A_33_P3381454	8,93782	8,82296	1,082869958	ENST00000368926	54964	NM_017860	C1orf56
A_33_P3334535	6,5291	6,41424	1,082869958	ENST00000512248	54826	NM_017676	GIN1
A_22_P00003058	3,69566	3,58081	1,082862452	ENST00000519828	N/A	N/A	N/A
A_21_P0007608	1,74453	1,62979	1,082779891	N/A	N/A	N/A	Inc-RP11-511B23.3.1-2
A_19_P00322166	1,74286	1,62814	1,082764881	ENST00000514532	100861519	NM_001278094	GDNF-AS1
A_23_P49646	11,7647	11,65	1,082749871	ENST00000395656	5636	NM_002767	PRPSAP2
A_23_P84821	8,35382	8,23915	1,082727356	ENST00000515625	65008	NM_020236	MRPL1
A_21_P0006073	5,60315	5,48849	1,082719851	ENST00000452923	N/A	N/A	N/A
A_33_P3237644	3,08128	2,96667	1,082682327	ENST00000440741	374786	NM_001145053	EFCAB5
A_33_P3216133	3,27653	3,16194	1,082667318	ENST00000315769	79698	NM_024645	ZMAT4
A_23_P80643	9,36584	9,25128	1,082644805	ENST00000413809	6419	NM_006515	SETMAR
A_23_P345674	1,84121	1,72668	1,082622292	ENST00000328070	58491	NM_021216	ZNF71
A_21_P0009804	1,5519	1,43739	1,082607284	ENST00000603717	N/A	N/A	N/A

A_32_P152195	3,865	3,7505	1,08259978	ENST00000333461	342667	NM_198993	STAC2
A_23_P144497	16,8254	16,7109	1,08259978	ENST00000515818	6189	NM_001006	RPS3A
A_33_P3229288	6,89457	6,78008	1,082592276	ENST00000579314	1636	NM_000789	ACE
A_33_P3399718	9,43809	9,32364	1,082562261	ENST00000458353	N/A	N/A	N/A
A_21_P0000848	1,7732	1,65875	1,082562261	N/A	100506025	NR_038946	ISPD-AS1
A_22_P00014955	7,18479	7,07034	1,082562261	N/A	N/A	N/A	Inc-SLTM-1
A_23_P163711	7,22057	7,10614	1,082547253	ENST00000380495	83723	NM_031478	FAM57B
A_33_P3261743	7,71172	7,59729	1,082547253	ENST00000525837	219855	NM_001145290	SLC37A2
A_33_P3256660	7,40175	7,28734	1,082532246	N/A	N/A	N/A	N/A
A_33_P3410836	11,3548	11,2404	1,082524743	ENST00000614247	8360	NM_003539	HIST1H4D
A_19_P00318284	7,85304	7,73866	1,082509736	ENST00000427421	400955	NR_033873	LINCO1122
A_33_P3261737	6,21163	6,0973	1,082472219	ENST00000376512	7355	NM_001282647	SLC35A2
A_23_P146765	11,2909	11,1766	1,08244971	ENST00000303545	11236	NM_007218	RNF139
A_22_P00008316	4,55475	4,44049	1,082419699	N/A	101927034	NR_110666	ROR1-AS1
A_21_P0010662	4,79047	4,67622	1,082412196	N/A	100506023	N/A	LOC100506023
A_23_P31739	3,10029	2,98606	1,082397191	ENST00000265770	81551	NM_030795	STMN4
A_33_P3283064	7,03917	6,92495	1,082389688	N/A	N/A	N/A	N/A
A_22_P00017608	2,89077	2,77655	1,082389688	N/A	N/A	CU692071	Inc-WDR82-1
A_21_P0002570	2,06701	1,9528	1,082382186	N/A	N/A	N/A	Inc-RNF144A-3
A_22_P00005251	3,60601	3,4918	1,082382186	ENST00000455247	N/A	N/A	N/A
A_33_P3283420	7,8023	7,68811	1,082367181	ENST00000517700	389677	NM_203390	RBM12B
A_33_P3214463	6,19363	6,07947	1,082344674	N/A	145873	NM_001039958	MESP2
A_21_P0002479	1,88566	1,77151	1,082337172	N/A	N/A	N/A	Inc-TGFBRAP1-11
A_24_P336276	9,10287	8,98876	1,082307163	ENST00000555210	28232	NM_013272	SLCO3A1
A_21_P0000988	1,8243	1,71019	1,082307163	ENST00000438619	N/A	N/A	N/A
A_21_P0000306	6,05669	5,9426	1,082292159	N/A	677793	NR_002950	SNORA2A
A_22_P00017757	1,83029	1,71622	1,082277156	N/A	101929363	XR_247046	LOC101929363
A_22_P00003517	1,84407	1,73002	1,082262152	N/A	101927339	XR_243795	LOC101927339
A_33_P3245665	3,44291	3,32888	1,082247149	ENST00000390394	N/A	AY611541	N/A
A_33_P3220422	5,9783	5,86428	1,082239647	ENST00000408890	285877	NM_182595	POM121L12
A_22_P00004621	1,789	1,67498	1,082239647	ENST00000450971	N/A	N/A	N/A
A_23_P207774	3,49139	3,37737	1,082239647	ENST00000509603	8844	NM_014238	KSR1
A_21_P0014170	4,6853	4,57129	1,082232146	ENST00000607233	100506885	XR_108682	LOC100506885

A_19_P00807336	13,5274	13,4134	1,082224645	ENST00000393779	5464	NM_021129	PPA1
A_21_P0007194	4,39101	4,27701	1,082224645	N/A	N/A	N/A	Inc-C11orf74-6
A_22_P00025636	1,84334	1,72934	1,082224645	ENST00000522173	N/A	N/A	N/A
A_22_P00025438	1,74104	1,62708	1,082194639	ENST00000438582	102724080	XR_426403	LOC102724080
A_22_P00010040	7,39484	7,2809	1,082179637	ENST00000560587	145783	NR_015419	LOC145783
A_21_P0001157	1,7439	1,62997	1,082172136	ENST00000438093	101928169	XR_246377	LOC101928169
A_22_P00015554	8,28597	8,17206	1,082157134	N/A	N/A	N/A	Inc-STOM-3
A_23_P166336	10,611	10,4971	1,082149633	ENST00000442222	84222	NR_026815	TMEM191A
A_21_P0007719	1,84853	1,73463	1,082149633	N/A	N/A	N/A	Inc-GRIP1-3
A_21_P0011841	10,8088	10,6949	1,082149633	ENST00000397193	5048	NM_000430	PAFAH1B1
A_33_P3542599	3,9217	3,80788	1,082089628	N/A	677793	CV322587	SNORA2A
A_33_P3228340	3,21283	3,09905	1,082059626	ENST00000398823	51626	BC040558	DYNC2LI1
A_23_P404536	1,74251	1,62874	1,082052126	ENST00000357639	5169	NM_005021	ENPP3
A_21_P0002071	1,81361	1,69985	1,082044626	N/A	N/A	N/A	Inc-SUCLG1-3
A_33_P3372682	5,79672	5,68297	1,082037126	ENST00000623117	150384	NR_024009	GTSE1-AS1
A_33_P3211018	1,81485	1,70115	1,081999626	N/A	N/A	N/A	N/A
A_32_P133244	11,0128	10,8991	1,081999626	ENST00000437198	5073	NM_002582	PARN
A_32_P134968	3,87713	3,76344	1,081992126	ENST00000389722	6710	NM_001024858	SPTB
A_21_P0009192	7,4705	7,35684	1,081969627	ENST00000433510	N/A	N/A	N/A
A_21_P0008211	1,84447	1,73081	1,081969627	N/A	N/A	N/A	Inc-EFNB2-1
A_22_P00016233	2,85904	2,74538	1,081969627	N/A	N/A	N/A	Inc-TMBIM6-1
A_21_P0002937	1,46814	1,35449	1,081962127	N/A	N/A	N/A	Inc-UBE2E2-1
A_24_P140788	3,84568	3,73206	1,081939628	ENST00000373535	221472	NM_173558	FGD2
A_33_P3418218	2,63631	2,52275	1,081894633	ENST00000327037	89866	NM_033127	SEC16B
A_33_P3300346	4,92886	4,81533	1,081872136	ENST00000438545	55208	NM_001014283	DCUN1D2
A_23_P89570	6,98103	6,86755	1,081834642	ENST00000592813	84225	NM_032265	ZMYND15
A_24_P98047	1,73046	1,61703	1,081797149	ENST00000368851	117247	NM_018593	SLC16A10
A_21_P0014613	1,80192	1,68852	1,081774654	N/A	N/A	N/A	N/A
A_33_P3868357	11,9426	11,8292	1,081774654	ENST00000507936	N/A	DQ323997	N/A
A_33_P3398998	7,31463	7,20126	1,081752159	ENST00000405022	130813	NM_182500	C2orf50
A_21_P0007256	1,80537	1,692	1,081752159	N/A	N/A	N/A	Inc-RP11-201M22.1.1-1
A_21_P0013032	1,73775	1,62441	1,081729665	ENST00000368966	221262	N/A	CCDC162P
A_33_P3402071	4,06232	3,94899	1,081722167	N/A	N/A	N/A	N/A

A_22_P00023053	4,88069	4,76736	1,081722167	ENST00000261396	55746	BX387507	NUP133
A_23_P150281	10,8601	10,7468	1,081699673	ENST00000533940	9537	NM_001258320	TP53111
A_19_P00326558	4,64444	4,53117	1,08167718	N/A	N/A	N/A	N/A
A_24_P20873	10,444	10,3308	1,081624698	ENST00000615353	8294	NM_003495	HIST1H4I
A_22_P00024157	7,02859	6,91539	1,081624698	N/A	102724352	XR_424996	LOC102724352
A_23_P401675	11,3637	11,2505	1,081624698	ENST00000454295	153562	AK055094	MARVELD2
A_33_P3210860	7,89796	7,78479	1,081602207	ENST00000359798	388558	NM_001039886	ZNF808
A_33_P3251598	3,74283	3,62972	1,081557225	N/A	N/A	N/A	N/A
A_33_P3408762	13,7813	13,6682	1,081549728	ENST00000361308	4000	NM_001282625	LMNA
A_22_P00022654	1,74108	1,62798	1,081549728	ENST00000506917	N/A	N/A	N/A
A_21_P0014822	8,73095	8,61789	1,081519742	N/A	N/A	BC061902	N/A
A_23_P335957	1,51295	1,39991	1,081504749	ENST00000375371	80834	NM_152232	TAS1R2
A_33_P3389942	14,7227	14,6097	1,081474763	ENST00000274606	55651	NM_017838	NHP2
A_33_P8915069	2,92293	2,80996	1,081452275	ENST00000435311	101928241	NR_110693	LOC101928241
A_23_P118289	10,9325	10,8196	1,081399804	ENST00000215115	9274	NM_004765	BCL7C
A_24_P286013	13,8524	13,7395	1,081399804	ENST00000513231	3093	NM_005339	UBE2K
A_23_P410625	4,88675	4,77393	1,08133984	ENST00000375256	195828	NM_153695	ZNF367
A_23_P166135	11,2694	11,1566	1,08132485	ENST00000377191	22803	NM_012255	XRN2
A_21_P0010314	1,74165	1,62886	1,081317354	N/A	102724800	XR_425278	LOC102724800
A_33_P3391803	6,91576	6,80303	1,081272385	ENST00000446719	N/A	N/A	N/A
A_24_P169574	8,8016	8,68887	1,081272385	ENST00000435487	649395	NR_029404	YWHAEP1
A_23_P425073	9,24583	9,13311	1,08126489	ENST00000552916	5939	NM_002898	RBMS2
A_24_P363005	12,9702	12,8575	1,081249901	ENST00000508474	7323	NM_181886	UBE2D3
A_23_P140511	11,8532	11,7405	1,081249901	ENST00000560166	10845	NM_006660	CLPX
A_23_P30950	1,73875	1,62606	1,081242406	ENST00000465492	116369	NM_052961	SLC26A8
A_23_P124003	5,43869	5,32603	1,081219922	ENST00000343948	22953	NM_170683	P2RX2
A_33_P3220939	9,97254	9,85993	1,081182451	ENST00000462653	55795	NM_001258213	PCID2
A_24_P302695	12,2149	12,1023	1,081174957	ENST00000465432	51263	NM_145212	MRPL30
A_21_P0012095	3,06783	2,95527	1,08114498	ENST00000437634	N/A	N/A	N/A
A_22_P00014762	3,72669	3,61417	1,081115005	N/A	N/A	N/A	Inc-SLC35F5-8
A_23_P34897	1,84207	1,72955	1,081115005	ENST00000423179	N/A	N/A	N/A
A_22_P00018803	1,78496	1,67245	1,081107511	N/A	N/A	N/A	Inc-RPRM-5
A_22_P00010775	14,1511	14,0386	1,081100018	ENST00000520375	N/A	XR_247144	N/A

A_22_P00017696	2,93397	2,82147	1,081100018	ENST00000518261	114786	BM685801	XKR4
A_21_P0014269	1,81355	1,70105	1,081100018	N/A	N/A	AK098207	N/A
A_23_P402176	1,81546	1,70301	1,08106255	ENST00000539522	146849	NM_144681	CCDC42
A_33_P3238606	1,81473	1,7023	1,081047564	ENST00000431582	401577	N/A	CD99P1
A_23_P406478	1,79643	1,684	1,081047564	ENST00000525343	127731	NM_001039500	VWA5B1
A_23_P74330	6,1384	6,02598	1,081040071	ENST00000420691	79100	NR_024160	LINC00626
A_23_P73548	10,1502	10,0378	1,081025084	ENST00000376423	56850	NM_020137	GRIPAP1
A_24_P332651	4,61113	4,49876	1,081002605	ENST00000433548	N/A	XM_001727011	N/A
A_22_P00006035	4,01618	3,90386	1,080965141	ENST00000550019	N/A	DA467900	N/A
A_22_P00015001	2,63362	2,52132	1,080950156	N/A	N/A	N/A	Inc-SMND1-1
A_33_P3288434	1,81335	1,70108	1,080927678	N/A	N/A	N/A	N/A
A_24_P135255	4,60509	4,49282	1,080927678	ENST00000304932	283507	NR_003365	SUGT1P3
A_22_P00022417	6,01176	5,89952	1,080905201	N/A	N/A	N/A	Inc-SFI1-1
A_33_P3266990	1,84255	1,73031	1,080905201	ENST00000529830	N/A	N/A	N/A
A_32_P104478	8,77927	8,66704	1,080897709	ENST00000343958	55785	NM_018351	FGD6
A_33_P3217317	1,74072	1,62852	1,080875233	N/A	N/A	AK056731	N/A
A_23_P33154	8,53807	8,42588	1,080867741	ENST00000355780	27067	NM_014393	STAU2
A_21_P0007353	1,8471	1,73491	1,080867741	N/A	N/A	N/A	Inc-OR4C12-1
A_24_P41042	9,16879	9,05663	1,080845265	ENST00000549621	84934	NM_032848	RITA1
A_21_P0000221	7,3865	7,27448	1,080740384	ENST00000486930	26819	NR_000021	SNORD32A
A_22_P00005194	1,77912	1,6671	1,080740384	N/A	N/A	N/A	Inc-DLAT-1
A_24_P861009	10,2745	10,1625	1,080725402	ENST00000341322	54014	NM_001007246	BRWD1
A_22_P00013055	7,08677	6,9748	1,080702929	ENST00000579474	N/A	N/A	N/A
A_22_P00004930	1,80971	1,69779	1,080665476	N/A	N/A	N/A	Inc-DBT-3
A_22_P00019561	5,20394	5,09203	1,080657985	ENST00000504735	N/A	BX102538	N/A
A_23_P211047	12,1445	12,0326	1,080650494	ENST00000399921	571	NM_206866	BACH1
A_21_P0013070	2,36506	2,25321	1,080613043	N/A	N/A	N/A	XL0C_I2_012925
A_22_P00014739	4,39651	4,28471	1,080575592	ENST00000527933	N/A	XR_424635	N/A
A_21_P0008521	4,1648	4,053	1,080575592	N/A	N/A	N/A	Inc-CHGA-1
A_33_P3268284	10,3044	10,1926	1,080575592	ENST00000445131	2665	NM_001494	GDI2
A_33_P7514500	17,6528	17,541	1,080575592	ENST00000458605	91695	NR_002184	RRP7B
A_21_P0011808	8,36438	8,25264	1,080530653	ENST00000295246	375248	NM_001164315	ANKRD36
A_22_P00017056	5,74206	5,63037	1,080493205	N/A	N/A	N/A	Inc-TUBB-7

A_33_P3276329	8,86838	8,75673	1,080463248	N/A	729438	NM_001145064	GATSL2
A_21_P0003756	4,37908	4,26744	1,080455759	N/A	N/A	N/A	Inc-ARSJ-1
A_21_P0001302	1,81218	1,70054	1,080455759	N/A	N/A	N/A	Inc-PRKAA2-5
A_32_P195647	3,27464	3,16307	1,080403336	ENST00000328046	80311	NM_030624	KLHL15
A_22_P00017838	1,81032	1,69877	1,080388359	N/A	400748	XR_246310	LOC400748
A_23_P154199	12,256	12,1445	1,080350916	ENST00000485630	5510	NM_002712	PPP1R7
A_33_P3323368	4,65971	4,54823	1,080335939	ENST00000573951	283876	NR_033904	LINC00921
A_22_P00023197	1,83175	1,72034	1,080283522	N/A	N/A	AK093331	Inc-HSPA4-1
A_33_P3294392	12,757	12,6456	1,080276034	ENST00000572221	23644	NM_014329	EDC4
A_23_P67702	10,1741	10,0627	1,080276034	ENST00000612293	7639	NM_003429	ZNF85
A_21_P0008005	1,77624	1,66488	1,080246083	ENST00000446391	100874126	NR_046869	LINC00331
A_21_P0001492	1,81022	1,69886	1,080246083	ENST00000431311	339442	NR_038928	LINC01343
A_23_P47004	10,5273	10,416	1,080201158	ENST00000284690	55760	NM_018180	DHX32
A_33_P3351197	6,72361	6,61232	1,080193671	ENST00000476224	389741	NR_126046	GLIDR
A_33_P3307187	1,73748	1,62622	1,080171209	ENST00000356141	64067	NM_001164749	NPAS3
A_24_P398691	3,41186	3,30061	1,080163722	ENST00000375898	84945	NM_032859	ABHD13
A_23_P29638	7,91457	7,80332	1,080163722	ENST00000294129	51517	NM_184231	NCKIPSD
A_23_P212568	1,60616	1,49492	1,080156235	ENST00000295756	50852	NM_016388	TRAT1
A_21_P0012252	5,99957	5,88834	1,080148748	ENST00000410028	N/A	N/A	N/A
A_21_P0008034	1,73767	1,62646	1,080133774	N/A	N/A	N/A	Inc-SGCG-2
A_23_P23029	2,04133	1,93013	1,080126287	ENST00000371265	7809	NM_057176	BSND
A_23_P146644	16,9278	16,8167	1,080051421	ENST00000421017	302	NM_001002857	ANXA2
A_21_P0010462	6,9061	6,79502	1,080036448	ENST00000473769	400891	NR_110991	LRRC74B
A_21_P0004226	1,80603	1,69499	1,080006504	N/A	N/A	N/A	Inc-CCT5-3
A_33_P3225278	5,72096	5,60994	1,079991532	N/A	N/A	BC039705	N/A
A_21_P0011863	1,72184	1,61083	1,079984046	ENST00000451774	401014	NR_033870	TEX41
A_22_P00004639	1,80813	1,69716	1,079954103	ENST00000554328	N/A	N/A	N/A
A_21_P0005478	1,81662	1,70566	1,079946617	N/A	N/A	N/A	Inc-HNRNPA2B1-4
A_24_P286935	7,09069	6,97974	1,079939131	ENST00000260746	403	NM_004311	ARL3
A_22_P00014868	1,95027	1,83932	1,079939131	ENST00000537961	N/A	N/A	N/A
A_33_P3391105	5,54117	5,43023	1,079931646	ENST00000243077	4035	NM_002332	LRP1
A_21_P0011009	1,74002	1,62908	1,079931646	N/A	N/A	N/A	XLOC_I2_002651
A_22_P00001986	5,73197	5,62106	1,079909189	ENST00000261837	10681	N/A	GNB5

A_33_P3355247	7,50702	7,39612	1,079901704	ENST00000518189	26112	NM_015621	CCDC69
A_24_P357386	2,18372	2,07284	1,079886734	ENST00000390690	337960	NM_181622	KRTAP13-3
A_21_P0001449	4,83455	4,72371	1,079856793	N/A	N/A	N/A	Inc-SCCPDH-1
A_33_P3246699	1,84369	1,73288	1,079834338	N/A	N/A	N/A	N/A
A_23_P169978	1,80669	1,69594	1,07978943	ENST00000505686	57507	NM_020747	ZNF608
A_23_P116868	1,81174	1,70099	1,07978943	ENST00000545102	53919	NM_017435	SLCO1C1
A_33_P3266520	6,81097	6,70024	1,079774461	ENST00000621568	56928	NM_152988	SPPL2B
A_21_P0006075	1,80092	1,69021	1,079759493	N/A	101929518	N/A	LOC101929518
A_23_P315991	4,22028	4,10958	1,079752008	ENST00000299454	144124	NM_178168	OR10A5
A_33_P3420762	7,40889	7,2982	1,079744524	N/A	N/A	N/A	N/A
A_21_P0008160	1,81586	1,70526	1,079677168	N/A	N/A	N/A	Inc-SUCLA2-6
A_22_P00024928	1,83586	1,72526	1,079677168	ENST00000449746	N/A	N/A	N/A
A_21_P0008561	1,81603	1,70548	1,07963975	N/A	101929765	NR_120371	LINC01585
A_24_P358591	4,51236	4,40182	1,079632267	ENST00000329615	339778	NM_001105519	C2orf70
A_33_P3409249	5,9145	5,80397	1,079624783	N/A	N/A	N/A	N/A
A_23_P133153	1,83705	1,72654	1,079609817	ENST00000339673	1758	NM_004407	DMP1
A_23_P332246	1,80587	1,69537	1,079602333	ENST00000306011	474	NM_005172	ATOH1
A_22_P00003798	1,84614	1,73564	1,079602333	N/A	N/A	N/A	Inc-CDKAL1-2
A_21_P0005654	1,82929	1,71879	1,079602333	N/A	101929248	N/A	LOC101929248
A_23_P150286	13,8999	13,7894	1,079602333	ENST00000528307	5682	NM_148976	PSMA1
A_23_P38365	10,203	10,0925	1,079602333	ENST00000343388	11011	NM_006852	TLK2
A_33_P3248774	4,09053	3,98005	1,079587367	N/A	N/A	N/A	N/A
A_33_P3313215	1,76582	1,65534	1,079587367	ENST00000372113	340745	NM_001284223	LRIT2
A_33_P3327522	4,69779	4,58731	1,079587367	N/A	N/A	CU680799	N/A
A_33_P3388800	4,74593	4,63547	1,079572401	N/A	N/A	N/A	N/A
A_22_P00014690	1,7351	1,62464	1,079572401	N/A	N/A	N/A	Inc-SLC25A27-1
A_21_P0005563	1,91105	1,80059	1,079572401	N/A	101929022	XR_242268	LOC101929022
A_33_P3256490	1,81305	1,7026	1,079564918	ENST00000612017	440590	NM_001004339	ZYG11A
A_22_P00013523	5,32201	5,21156	1,079564918	N/A	N/A	N/A	Inc-RP11-404P21.6.1-2
A_22_P00016667	1,81414	1,70372	1,079542469	ENST00000422084	N/A	N/A	N/A
A_33_P3297160	1,83617	1,72576	1,079534986	ENST00000395193	N/A	N/A	N/A
A_33_P3349474	15,6722	15,5618	1,079527504	N/A	N/A	N/A	N/A
A_23_P56736	6,91789	6,80751	1,079512538	ENST00000321253	113457	NM_080386	TUBA3D

A_23_P139192	1,80876	1,69841	1,079490091	ENST00000294117	2785	NM_012202	GNG3
A_24_P140827	11,6593	11,549	1,079452679	ENST00000480010	5110	NM_005389	PCMT1
A_33_P3316878	13,7464	13,6361	1,079452679	ENST00000535926	79586	NM_024536	CHPF
A_33_P3278053	1,8132	1,70295	1,079415269	ENST00000550270	4604	NM_001254723	MYBPC1
A_23_P50137	1,81669	1,70649	1,07937786	ENST00000616921	51320	NM_016626	MEX3C
A_33_P3209615	5,7577	5,64754	1,079347933	ENST00000318329	728224	NM_031960	KRTAP4-8
A_32_P183442	3,16036	3,05022	1,079332971	N/A	N/A	N/A	XLOC_I2_011265
A_32_P217390	1,81086	1,70073	1,079325489	ENST00000560327	145946	NM_173499	SPATA8
A_22_P00004847	5,47224	5,36217	1,079280602	ENST00000518831	100133669	NR_026913	LOC100133669
A_33_P3363465	1,81678	1,70673	1,07926564	N/A	N/A	AK125288	Inc-NAP1L3-1
A_22_P00018694	3,06761	2,9576	1,079235717	ENST00000554181	N/A	N/A	N/A
A_23_P32913	12,5722	12,4622	1,079228237	ENST00000323735	83787	NM_031905	ARMC10
A_23_P96542	11,0635	10,9535	1,079228237	ENST00000370361	203547	NM_001017980	VMA21
A_33_P3333762	1,73656	1,62657	1,079220756	ENST00000340806	344657	NM_001080460	LRRIQ4
A_33_P3365047	5,56723	5,45725	1,079213275	ENST00000622282	10741	NM_006606	RBBP9
A_19_P00320158	8,14689	8,03693	1,079198314	ENST00000564414	6397	NM_001204408	SEC14L1
A_21_P0000393	8,35607	8,24611	1,079198314	N/A	692212	NR_003077	SNORD99
A_21_P0003057	1,55077	1,44084	1,079175873	N/A	N/A	N/A	Inc-SERPINI1-3
A_33_P3243138	1,82349	1,71356	1,079175873	ENST00000600586	348303	NM_182704	SELV
A_22_P00004440	7,09758	6,98765	1,079175873	N/A	N/A	AK097629	Inc-COX19-2
A_24_P303989	7,58153	7,47162	1,079160913	ENST00000496174	648	NM_005180	BMI1
A_22_P00001579	1,83443	1,72452	1,079160913	ENST00000427232	N/A	N/A	N/A
A_24_P419276	5,34798	5,23808	1,079153433	ENST00000374648	57209	NM_021045	ZNF248
A_21_P0007944	1,80554	1,69566	1,079138473	ENST00000431686	103689913	N/A	LINC00383
A_19_P00320875	3,74377	3,6339	1,079130993	ENST00000435485	N/A	N/A	N/A
A_32_P800179	1,73682	1,62698	1,079108553	ENST00000600800	22900	AK094933	CARD8
A_33_P3343206	7,91739	7,80757	1,079093593	ENST00000624628	N/A	XR_428276	N/A
A_22_P00011668	5,17318	5,06336	1,079093593	ENST00000542689	101928340	NR_120466	LINC01489
A_22_P00004627	5,13431	5,0245	1,079086114	N/A	284837	NR_026961	AATBC
A_23_P203891	15,782	15,6722	1,079078634	ENST00000356219	9612	NM_006312	NCOR2
A_33_P3716108	1,82989	1,72012	1,079056195	N/A	387055	DA096222	LINC00533
A_23_P66038	5,26976	5,16	1,079048716	ENST00000562122	29800	NM_013304	ZDHC1
A_21_P0002889	6,1828	6,07306	1,079033757	ENST00000482382	N/A	N/A	N/A



A_33_P3253460	8,47018	8,36044	1,079033757	N/A	100130654	AK095243	LOC100130654
A_21_P0009527	1,70279	1,59306	1,079026278	N/A	N/A	N/A	Inc-PIEZO2-1
A_23_P205549	13,0593	12,9496	1,079003841	ENST00000394606	4149	NM_145113	MAX
A_33_P3329419	15,5419	15,4322	1,079003841	ENST00000475805	1759	NM_001288739	DNM1
A_21_P0008550	6,97665	6,86695	1,079003841	N/A	N/A	N/A	Inc-BCL11B-1
A_23_P33045	17,4427	17,333	1,079003841	ENST00000583515	6154	NM_000987	RPL26
A_33_P3337415	6,82778	6,7181	1,078988883	ENST00000334049	2774	NM_182978	GNAL
A_24_P259922	10,055	9,94532	1,078988883	ENST00000443314	10314	NM_006055	LANCL1
A_33_P3326349	7,26249	7,15285	1,078958967	ENST00000361813	23381	NM_015327	SMG5
A_32_P153979	1,80282	1,69318	1,078958967	N/A	N/A	N/A	N/A
A_22_P00019176	2,23163	2,12211	1,078869226	N/A	N/A	CU691481	Inc-RPL19-1
A_23_P77455	14,0644	13,9549	1,078854269	ENST00000569299	51647	NM_016062	FAM96B
A_23_P212469	8,71696	8,60751	1,07881688	ENST00000301825	956	NM_001248	ENTPD3
A_33_P3372266	1,6511	1,54169	1,078786969	ENST00000390283	N/A	AM184070	N/A
A_21_P0005442	5,31184	5,20247	1,078757059	N/A	N/A	N/A	Inc-LRRC61-2
A_33_P3272165	9,68112	9,57178	1,078734627	ENST00000454358	137682	NM_152416	NDUF6F6
A_21_P0004216	1,7334	1,62407	1,07872715	ENST00000509382	340094	NR_026994	LINC01020
A_22_P00025617	1,81202	1,70271	1,078712196	ENST00000415182	N/A	N/A	N/A
A_23_P316487	6,10196	5,99265	1,078712196	ENST00000222690	94239	NM_138635	H2AFV
A_24_P295379	12,7929	12,6836	1,078704719	ENST00000347136	57720	NM_020960	GPR107
A_23_P104641	12,7229	12,6136	1,078704719	ENST00000534591	738	NM_013265	VPS51
A_33_P3386297	5,63827	5,52898	1,078697242	N/A	N/A	AF190162	N/A
A_32_P161166	8,9636	8,85432	1,078689765	N/A	N/A	AY927536	N/A
A_33_P7626563	1,80943	1,70016	1,078682288	ENST00000513157	101929505	N/A	LOC101929505
A_22_P00011394	1,79989	1,69064	1,078667334	N/A	N/A	AV751403	Inc-PABPC4-3
A_21_P0001586	3,08257	2,97332	1,078667334	N/A	N/A	N/A	Inc-CD1B-3
A_33_P3315906	8,30468	8,19544	1,078659858	ENST00000521578	11156	NM_032611	PTP4A3
A_23_P47497	13,5642	13,455	1,078629951	ENST00000300151	54948	NM_017840	MRPL16
A_33_P3257568	6,53015	6,42097	1,078614998	ENST00000373851	11064	AK097636	CNTRL
A_22_P00020907	1,81614	1,70697	1,078607522	N/A	N/A	N/A	Inc-LINS-2
A_24_P10444	1,73326	1,62409	1,078607522	ENST00000376681	284076	NM_173623	TTL6
A_24_P273799	8,49327	8,38412	1,078592569	ENST00000301042	121274	NM_152320	ZNF641
A_22_P00007649	1,83972	1,73059	1,078577617	N/A	N/A	N/A	Inc-HES4-1

A_23_P259797	8,89223	8,78312	1,078562665	ENST00000562204	197322	NM_174917	ACSF3
A_23_P52639	16,9002	16,7911	1,078555189	ENST00000314133	1351	NM_004074	COX8A
A_32_P336776	1,79907	1,68998	1,078547713	ENST00000298542	90167	NM_194277	FRMD7
A_22_P00018608	1,73474	1,62566	1,078540237	N/A	100996654	NR_110040	LOC100996654
A_33_P3357935	6,99466	6,88561	1,07851781	ENST00000440125	161497	NM_153700	STRC
A_33_P3369079	6,89381	6,78478	1,078502858	N/A	100144603	N/A	CHKB-AS1
A_22_P00008980	1,79981	1,69078	1,078502858	N/A	N/A	BI764560	Inc-LAMA1-5
A_21_P0006677	1,74408	1,63507	1,078487907	ENST00000431737	100506835	NR_038268	LINC00840
A_33_P3410874	1,81048	1,70149	1,078472956	N/A	N/A	AI792396	N/A
A_33_P3309365	8,77197	8,66299	1,078465481	ENST00000443844	163742	N/A	SLC25A3P1
A_21_P0000189	9,90697	9,79801	1,07845053	ENST00000370272	1810	NM_001938	DR1
A_23_P136504	6,49825	6,38932	1,078428105	ENST00000331299	89874	NM_030631	SLC25A21
A_22_P00006494	1,76374	1,65482	1,07842063	N/A	103752584	NR_125790	CCND2-AS1
A_22_P00009143	1,74944	1,64053	1,078413155	N/A	N/A	N/A	Inc-LIX1-1
A_33_P3314952	2,73507	2,62616	1,078413155	ENST00000574085	7442	NM_080706	TRPV1
A_22_P00003693	1,84357	1,73467	1,07840568	ENST00000563754	101927650	NR_110918	LOC101927650
A_23_P168443	9,79762	9,68876	1,07837578	ENST00000487222	2050	NM_004444	EPHB4
A_33_P3865403	1,80254	1,69368	1,07837578	N/A	N/A	BC035163	Inc-POLR3E-2
A_33_P3878964	8,82759	8,71877	1,078345882	ENST00000552527	80018	NM_024953	NAA25
A_23_P338890	12,8796	12,7708	1,078330933	ENST00000541713	5770	NM_002827	PTPN1
A_23_P200976	12,1424	12,0336	1,078330933	ENST00000372430	81888	NM_001190880	HYI
A_22_P00014808	1,82688	1,71814	1,078286087	ENST00000434703	400618	NR_103738	SOX9-AS1
A_22_P00001885	2,74857	2,63984	1,078278613	N/A	N/A	N/A	Inc-B3GAT2-2
A_23_P338410	3,13238	3,02367	1,078263665	ENST00000326000	259240	NM_147198	WFDC9
A_21_P0007183	1,81702	1,70835	1,07823377	N/A	N/A	N/A	Inc-NAV2-2
A_21_P0013387	6,91432	6,80568	1,078211349	ENST00000437494	N/A	N/A	N/A
A_21_P0004485	1,79789	1,68925	1,078211349	N/A	N/A	N/A	Inc-SRD5A1-1
A_21_P0006600	2,01852	1,90991	1,078188928	N/A	N/A	N/A	Inc-TBL1Y-1
A_22_P00008795	3,22766	3,1191	1,078151562	N/A	N/A	BX109691	Inc-KIFC3-1
A_21_P0004845	1,8061	1,69754	1,078151562	N/A	102724463	XR_425971	LOC102724463
A_22_P00012778	2,01698	1,90846	1,078121669	N/A	N/A	DB322441	Inc-RALBP1-1
A_23_P256663	14,3605	14,252	1,078106724	ENST00000249041	8484	NM_003614	GALR3
A_21_P0011408	5,51618	5,40771	1,078084305	ENST00000565949	89837	NR_026859	ULK4P3

A_21_P0007000	1,81645	1,70798	1,078084305	N/A	N/A	N/A	Inc-RHOBTB1-1
A_33_P3216427	11,1634	11,055	1,078031998	ENST00000273814	1609	NM_001347	DGKQ
A_33_P3366545	1,79712	1,68875	1,078009581	ENST00000382528	401296	XR_108728	LOC401296
A_33_P3412538	9,99676	9,88841	1,077994636	ENST00000358602	26057	NM_032217	ANKRD17
A_33_P3293698	1,96188	1,85353	1,077994636	N/A	N/A	N/A	N/A
A_33_P3368375	7,81548	7,70713	1,077994636	ENST00000592197	8498	NM_007322	RANBP3
A_24_P103025	14,1424	14,0341	1,077957277	ENST00000303577	5093	NM_006196	PCBP1
A_24_P58122	10,536	10,4277	1,077957277	ENST00000294383	23358	NM_015306	USP24
A_33_P6818098	8,51355	8,40526	1,077949805	N/A	N/A	BC070376	Inc-GTF2IRD2-1
A_22_P00006716	6,89551	6,78726	1,077919918	N/A	N/A	DR731266	Inc-FRMD4B-2
A_21_P0000749	4,86206	4,75383	1,077904975	N/A	100506994	NR_038281	PTPRG-AS1
A_22_P00017766	5,35843	5,25021	1,077897504	ENST00000423020	N/A	DA103928	N/A
A_23_P6151	10,6166	10,5084	1,077882561	ENST00000246229	5326	NM_002657	PLAGL2
A_22_P00016662	4,01022	3,90202	1,077882561	N/A	N/A	AA936120	Inc-TPCN2-3
A_23_P256375	12,7285	12,6203	1,077882561	ENST00000493902	6810	NM_004604	STX4
A_23_P203586	10,9691	10,8609	1,077882561	ENST00000359171	4928	NM_016320	NUP98
A_22_P00004326	2,30026	2,19212	1,077837734	N/A	N/A	N/A	Inc-COG5-2
A_21_P0007455	1,84168	1,73354	1,077837734	N/A	N/A	N/A	Inc-RP11-168K9.2.1-1
A_33_P3240340	9,60877	9,50066	1,077815321	ENST00000570544	N/A	N/A	N/A
A_21_P0012618	1,813	1,70492	1,077792909	N/A	N/A	N/A	XLOC_I2_010855
A_21_P0011946	3,83412	3,72606	1,077777968	N/A	N/A	N/A	XLOC_I2_008200
A_22_P00017598	1,80696	1,69892	1,077763027	N/A	N/A	N/A	Inc-WDR73-2
A_32_P115375	5,78299	5,67497	1,077748086	N/A	N/A	CU677925	Inc-SMG6-1
A_23_P122414	1,82241	1,71439	1,077748086	ENST00000541991	2978	NM_000409	GUCA1A
A_33_P3374253	5,22603	5,11803	1,077733145	N/A	N/A	N/A	N/A
A_24_P289178	12,4821	12,3741	1,077733145	ENST00000284245	404550	NM_206967	C16orf74
A_23_P257911	11,3607	11,2527	1,077733145	ENST00000474835	10600	NM_001032410	USP16
A_21_P0014112	1,8047	1,69671	1,077725675	N/A	100506765	NR_046230	IGSF11-AS1
A_23_P162945	10,0122	9,90421	1,077725675	ENST00000216774	6729	NM_003136	SRP54
A_21_P0013434	4,21533	4,10735	1,077718205	ENST00000438894	285908	N/A	LINC00174
A_22_P00013014	1,72902	1,62106	1,077703264	N/A	N/A	N/A	Inc-RGMA-5
A_22_P00005016	1,52462	1,41666	1,077703264	ENST00000583165	N/A	AK094519	N/A
A_33_P3395191	1,80793	1,69998	1,077695794	ENST00000358316	10242	NM_181361	KCNMB2

A_22_P00011886	4,34978	4,24184	1,077688324	ENST00000431149	9487	AL832404	PIGL
A_22_P00017007	4,5477	4,43977	1,077680854	ENST00000429389	N/A	N/A	N/A
A_21_P0007079	1,73234	1,62447	1,077636036	ENST00000436430	N/A	XR_246191	N/A
A_33_P3360814	2,74247	2,63461	1,077628566	N/A	58160	NM_001085386	NFE4
A_21_P0010403	4,47326	4,3654	1,077628566	ENST00000450963	N/A	N/A	N/A
A_22_P00020225	5,08003	4,97217	1,077628566	N/A	100132215	NR_027069	LOC100132215
A_33_P3378291	5,09492	4,98707	1,077621097	ENST00000341280	400935	NM_001001694	IL17REL
A_21_P0011448	7,0699	6,96206	1,077613627	N/A	N/A	N/A	XLOC_I2_005314
A_21_P0011847	1,83577	1,72793	1,077613627	N/A	N/A	N/A	XLOC_I2_007542
A_22_P00006534	1,8074	1,69957	1,077606158	N/A	N/A	CR627366	Inc-FH-1
A_22_P00018924	3,24576	3,13795	1,077591219	N/A	101929591	NR_109956	KIZ-AS1
A_24_P348083	15,1127	15,0049	1,07758375	N/A	N/A	BC093850	N/A
A_22_P00010726	5,85155	5,74376	1,077576281	ENST00000443207	N/A	N/A	N/A
A_22_P00018082	1,79561	1,68788	1,077531466	ENST00000442753	N/A	BU154984	N/A
A_33_P3346132	8,50104	8,39333	1,077516529	ENST00000388768	55680	NM_017987	RUFY2
A_21_P0008492	3,2831	3,17542	1,077494123	N/A	N/A	N/A	Inc-RTL1-8
A_22_P00024293	1,77475	1,66707	1,077494123	ENST00000515181	101927363	XR_245252	LOC101927363
A_22_P00007886	1,7665	1,65884	1,077479186	N/A	101928446	NR_110938	LOC101928446
A_22_P00010195	3,54346	3,43581	1,077471717	N/A	100287042	NR_036520	LOC100287042
A_33_P3306834	2,18252	2,07491	1,077441844	ENST00000615684	664701	AK126842	ZNF826P
A_24_P143686	9,95424	9,84664	1,077434375	ENST00000297423	23514	NM_001080394	SPIDR
A_24_P177353	11,0475	10,9399	1,077434375	ENST00000245838	57187	NM_001081550	THOC2
A_22_P00018575	1,81281	1,70528	1,077382099	N/A	101927164	NR_110668	LOC101927164
A_33_P3424856	1,80477	1,69727	1,077359696	N/A	N/A	N/A	N/A
A_33_P3383900	3,56226	3,45478	1,077344761	N/A	N/A	N/A	N/A
A_21_P0014560	1,76923	1,66179	1,077314891	N/A	728310	NR_047567	GOLGA6L7P
A_22_P00016224	1,80511	1,69767	1,077314891	N/A	N/A	N/A	Inc-TM6SF1-2
A_22_P00024428	4,80981	4,70237	1,077314891	N/A	N/A	N/A	Inc-FAM92A1-1
A_21_P0000635	6,85799	6,75059	1,077285022	N/A	100288346	NR_034101	NCAM1-AS1
A_22_P00017676	4,18554	4,07814	1,077285022	ENST00000581118	N/A	N/A	N/A
A_22_P00014711	1,77874	1,6714	1,07724022	ENST00000522973	N/A	N/A	N/A
A_33_P3266419	8,80308	8,69577	1,077217819	ENST00000617457	51228	NM_016433	GLTP
A_22_P00025178	1,77116	1,66386	1,077210353	ENST00000546376	N/A	BG764553	N/A

A_33_P6817520	1,79375	1,68645	1,077210353	ENST00000423875	100133308	NR_024472	RSU1P2
A_21_P0012860	1,73885	1,63157	1,077195419	ENST00000521472	285626	NR_037889	LOC285626
A_22_P00001664	4,03859	3,93134	1,07717302	N/A	284618	NM_001039517	RUSC1-AS1
A_23_P92786	11,3596	11,2524	1,077135689	ENST00000265271	54439	NM_018989	RBM27
A_21_P0010237	1,49978	1,39261	1,07711329	N/A	N/A	N/A	Inc-MRPS6-2
A_23_P160017	1,81626	1,70909	1,07711329	ENST00000253470	83866	NR_001548	TTY11
A_21_P0011937	3,87877	3,7716	1,07711329	N/A	N/A	N/A	XLOC_I2_008140
A_23_P352950	6,14981	6,04265	1,077105824	ENST00000439251	114824	NM_052926	PNMA5
A_21_P0006990	2,9909	2,88375	1,077098359	ENST00000608660	N/A	N/A	N/A
A_33_P3296427	1,83798	1,73086	1,077075961	ENST00000400946	339535	NR_015407	LINC01139
A_22_P00002863	1,77131	1,66421	1,07706103	N/A	N/A	N/A	Inc-C3orf65-1
A_22_P00019421	1,73216	1,62507	1,077053564	ENST00000451471	N/A	N/A	N/A
A_22_P00021352	1,81651	1,70942	1,077053564	ENST00000430320	N/A	N/A	N/A
A_22_P00002833	2,01636	1,90928	1,077046099	N/A	N/A	AK304146	Inc-C2orf78-1
A_22_P00004555	1,78271	1,67563	1,077046099	N/A	N/A	N/A	Inc-CRLF3-2
A_24_P345002	1,77395	1,6669	1,077023702	ENST00000375992	55190	NM_018159	NUDT11
A_33_P3406843	1,7904	1,68337	1,077008772	N/A	442132	NR_033906	LOC442132
A_24_P287189	6,55894	6,45192	1,077001306	ENST00000317204	54472	NM_019009	TOLLIP
A_21_P0005730	1,81598	1,70899	1,076978911	N/A	N/A	N/A	Inc-FABP5-1
A_22_P00025050	1,79828	1,6913	1,076971446	N/A	N/A	N/A	Inc-RP11-214N1.1.1-1
A_22_P00016644	1,78352	1,67656	1,076956516	N/A	N/A	N/A	Inc-TP53BP1-1
A_21_P0006333	1,79054	1,6836	1,076941587	N/A	N/A	N/A	Inc-QSOX2-1
A_21_P0005853	1,79455	1,68761	1,076941587	ENST00000524286	100505718	NR_039986	LOC100505718
A_21_P0003377	1,80957	1,70265	1,076926657	ENST00000504368	728040	N/A	LOC728040
A_19_P00321403	1,78201	1,67513	1,076896799	ENST00000478759	101928932	XR_245347	LOC101928932
A_24_P9321	9,3325	9,22562	1,076896799	ENST00000616365	8354	NM_003533	HIST1H3I
A_22_P00015122	9,85716	9,75031	1,076874406	N/A	N/A	BX109892	Inc-SNX20-5
A_21_P0003001	1,77299	1,66614	1,076874406	N/A	N/A	N/A	Inc-OR5H15-1
A_33_P3345304	1,72705	1,62023	1,076852013	N/A	N/A	N/A	N/A
A_21_P0007407	9,6184	9,51161	1,07682962	N/A	N/A	N/A	Inc-RP11-158I9.5.1-2
A_33_P3395502	1,80517	1,69839	1,076822156	N/A	100129884	AK097079	LOC100129884
A_21_P0000329	8,60472	8,49795	1,076814693	N/A	677823	NR_002974	SNORA80E
A_21_P0006153	1,78074	1,67399	1,076799765	N/A	N/A	N/A	Inc-ANXA1-2

A_24_P151121	1,77194	1,6652	1,076792301	ENST00000596924	N/A	EU794585	N/A
A_33_P3380462	7,15052	7,04379	1,076784837	ENST00000315033	54112	NM_022049	GPR88
A_33_P3464025	1,79138	1,68467	1,07676991	N/A	646241	XR_241747	LOC646241
A_23_P161446	11,6864	11,5797	1,076762446	ENST00000479928	2665	NM_001494	GDI2
A_33_P3292699	3,68534	3,57864	1,076762446	ENST00000270460	29924	AY203961	EPN1
A_24_P339071	9,20492	9,09824	1,076747519	ENST00000268383	1039	NM_001802	CDR2
A_22_P00012139	7,64476	7,53809	1,076740056	ENST00000564651	5432	NM_032940	POLR2C
A_33_P3297946	4,85734	4,75069	1,076725129	ENST00000560958	283693	NR_036446	ACTG1P17
A_21_P0002845	1,78832	1,68168	1,076717666	N/A	N/A	N/A	Inc-ULK4-6
A_23_P84860	1,78542	1,67881	1,076695277	ENST00000394481	11170	NM_007177	FAM107A
A_23_P314726	10,6994	10,5928	1,076687814	ENST00000529142	5298	NM_002651	PI4KB
A_23_P112982	1,77714	1,67054	1,076687814	ENST00000610966	55530	NM_018711	SVOP
A_33_P3309506	3,05302	2,94642	1,076687814	ENST00000438614	645832	NM_001080837	SEBOX
A_33_P3327479	11,337	11,2304	1,076687814	N/A	51304	NM_016598	ZDHHC3
A_33_P3316953	1,7288	1,62225	1,076650499	ENST00000583458	146713	NM_001082575	RBFOX3
A_33_P3570223	16,5199	16,4134	1,076613186	N/A	644961	BX648289	ACTG1P20
A_22_P00013042	1,79077	1,68427	1,076613186	ENST00000521930	N/A	N/A	N/A
A_23_P109877	10,2529	10,1464	1,076613186	ENST00000487402	80335	NM_025222	WDR82
A_22_P00021942	1,77352	1,66704	1,076598261	ENST00000579474	N/A	N/A	N/A
A_21_P0004224	1,72411	1,61766	1,076575874	N/A	N/A	N/A	Inc-ADCY2-1
A_22_P00017643	1,79581	1,68936	1,076575874	N/A	N/A	N/A	Inc-WNT4-1
A_21_P0014198	1,71713	1,61068	1,076575874	N/A	N/A	N/A	N/A
A_21_P0013473	1,79368	1,68724	1,076568412	N/A	N/A	N/A	XLOC_I2_014183
A_22_P00003695	1,82471	1,71828	1,07656095	ENST00000567058	N/A	N/A	N/A
A_21_P0010004	1,79716	1,6908	1,076508716	N/A	N/A	N/A	Inc-TASP1-6
A_22_P00016225	1,7311	1,62477	1,076486331	N/A	N/A	N/A	Inc-TM6SF1-3
A_33_P3871347	6,49102	6,38469	1,076486331	ENST00000405547	25992	NM_001080437	SNED1
A_21_P0009631	1,77805	1,67174	1,076471407	N/A	N/A	N/A	Inc-TCF4-4
A_22_P00007387	1,84066	1,73436	1,076463946	ENST00000455598	340017	NR_026992	LOC340017
A_33_P3531791	1,81295	1,70668	1,076441562	N/A	728099	BC036362	LOC728099
A_22_P00025212	1,79635	1,69008	1,076441562	N/A	N/A	BG209674	Inc-RAB18-1
A_21_P0001456	1,81591	1,70966	1,076426639	N/A	N/A	N/A	Inc-C1orf222-1
A_33_P3328061	5,13499	5,02875	1,076419178	N/A	N/A	N/A	N/A

A_21_P0008958	1,62368	1,51745	1,076411717	N/A	N/A	N/A	Inc-CDH5-4
A_22_P00006141	1,78781	1,68158	1,076411717	ENST00000567616	N/A	BC034566	N/A
A_33_P3220670	3,78329	3,67707	1,076404256	ENST00000565921	644649	BX108667	APOOP5
A_21_P0010601	5,65385	5,54765	1,076389334	ENST00000492631	9696	NM_014675	CROCC
A_22_P00002634	9,16482	9,05863	1,076381873	N/A	N/A	N/A	Inc-C1orf177-1
A_33_P3331307	4,10107	3,99492	1,07635203	ENST00000295324	10602	NM_006449	CDC42EP3
A_33_P3319880	1,72734	1,62124	1,076314727	ENST00000310917	132884	NM_001166136	EVC2
A_21_P0001373	1,76142	1,65532	1,076314727	N/A	N/A	N/A	Inc-NBPF15-2
A_33_P3397061	2,10716	2,00107	1,076307266	N/A	619434	N/A	LINC00051
A_22_P00014191	8,52785	8,42176	1,076307266	N/A	N/A	N/A	Inc-SDR42E1-1
A_22_P00012283	9,19675	9,09068	1,076292346	ENST00000470416	55844	NM_001291310	PPP2R2D
A_22_P00019670	4,42002	4,31396	1,076284885	N/A	N/A	N/A	Inc-HPS4-2
A_22_P00008900	1,73129	1,62526	1,076262505	ENST00000574739	101927314	NR_110757	LOC101927314
A_21_P0002025	1,72526	1,61925	1,076247585	ENST00000420130	N/A	N/A	N/A
A_33_P3271323	10,7635	10,6575	1,076240125	ENST00000238738	23433	NM_012249	RHOQ
A_22_P00020155	4,35748	4,25149	1,076232665	N/A	N/A	BC015213	Inc-C10orf122-2
A_33_P3254136	1,80799	1,70203	1,076210285	N/A	93035	NM_177531	PKHD1L1
A_24_P254850	2,00245	1,89651	1,076195366	ENST00000251170	9717	NM_014692	SEC14L5
A_33_P3420792	6,73924	6,63335	1,076158069	ENST00000350498	11333	NM_014891	PDAP1
A_33_P3297150	1,95145	1,84557	1,076150609	N/A	N/A	N/A	N/A
A_22_P00022274	1,80394	1,69807	1,07614315	N/A	554201	NR_038850	CCDC148-AS1
A_21_P0006752	1,78557	1,6797	1,07614315	N/A	N/A	N/A	Inc-ZNF32-4
A_22_P00008542	1,72555	1,61969	1,076135691	N/A	N/A	DA577677	Inc-KCNMB1-1
A_23_P119377	9,95585	9,85002	1,076113313	ENST00000474049	9266	NM_004228	CYTH2
A_21_P0002602	1,80203	1,69621	1,076105854	N/A	101928427	XR_427057	LOC101928427
A_22_P00014450	6,35099	6,24517	1,076105854	N/A	N/A	N/A	Inc-SH2D7-5
A_22_P00020651	1,75981	1,654	1,076098395	ENST00000553983	N/A	CU679798	N/A
A_21_P0008535	4,55168	4,44588	1,076090937	N/A	N/A	N/A	Inc-DLGAP5-2
A_22_P00008229	3,01371	2,90791	1,076090937	N/A	102723741	XR_425875	LOC102723741
A_24_P191931	1,80242	1,69664	1,076076019	ENST00000409700	56135	NM_031882	PCDHAC1
A_22_P00003863	1,76566	1,65989	1,07606856	N/A	N/A	N/A	Inc-CELF4-1
A_21_P0007958	1,78976	1,68401	1,076053643	ENST00000443228	104326053	N/A	LINC00363
A_21_P0006643	1,77011	1,6644	1,076023809	ENST00000455525	101927946	XR_242710	LOC101927946

A_22_P00023129	1,7843	1,67859	1,076023809	ENST00000512794	N/A	N/A	N/A
A_33_P3247571	1,92055	1,81485	1,07601635	ENST00000400898	10747	NM_139208	MASP2
A_33_P3418185	1,81425	1,70857	1,076001434	ENST00000615007	66004	NM_177457	LYNX1
A_22_P00008340	1,94814	1,84246	1,076001434	ENST00000526556	100653005	XR_132518	LOC100653005
A_33_P3349025	1,764	1,65835	1,075979059	N/A	N/A	N/A	N/A
A_33_P3359285	1,81893	1,71329	1,075971601	N/A	N/A	N/A	N/A
A_21_P0001840	1,76955	1,66393	1,075956685	ENST00000450628	N/A	N/A	N/A
A_21_P0009951	1,72125	1,61564	1,075949227	N/A	N/A	N/A	Inc-CST8-1
A_22_P00004224	1,79602	1,69042	1,075941769	ENST00000526936	N/A	N/A	N/A
A_22_P00023456	1,80009	1,69456	1,075889565	N/A	N/A	N/A	Inc-KDM4C-2
A_33_P3842556	1,81533	1,70986	1,075844821	ENST00000439701	10320	NM_006060	IKZF1
A_23_P50052	8,65795	8,55248	1,075844821	N/A	84322	XR_109479	C18orf12
A_33_P3331426	5,21971	5,11425	1,075837364	N/A	N/A	N/A	XLOC_I2_008130
A_33_P3276615	1,74934	1,6439	1,07582245	ENST00000352371	80832	NM_030643	APOL4
A_23_P103919	11,5856	11,4802	1,075792622	ENST00000367998	8703	NM_003779	B4GALT3
A_32_P144421	8,66704	8,56167	1,075770252	ENST00000326756	85460	NM_053042	ZNF518B
A_21_P0002257	2,64798	2,54261	1,075770252	ENST00000610384	N/A	N/A	N/A
A_21_P0006043	1,76423	1,65887	1,075762795	N/A	N/A	N/A	Inc-DEC1-4
A_21_P0005125	1,80304	1,6977	1,075747882	N/A	N/A	N/A	Inc-KLHL32-4
A_23_P69738	7,20442	7,09909	1,075740426	ENST00000505041	65997	NM_023940	RASL11B
A_21_P0003471	1,74618	1,64087	1,075725513	ENST00000502668	N/A	N/A	N/A
A_21_P0006961	3,00205	2,89675	1,075718056	N/A	N/A	N/A	Inc-CALML5-5
A_21_P0009017	1,72428	1,61898	1,075718056	N/A	N/A	N/A	Inc-UMOD-1
A_23_P323166	14,365	14,2597	1,075718056	ENST00000574331	23524	NM_016333	SRRM2
A_33_P3256920	9,53798	9,43268	1,075718056	ENST00000339464	7477	NM_058238	WNT7B
A_22_P00017062	1,79072	1,68547	1,075680776	ENST00000413637	104266956	N/A	LINC01044
A_33_P3329078	7,31103	7,20579	1,07567332	ENST00000620888	3047	NM_000559	HBG1
A_21_P0010019	6,06717	5,96195	1,075658408	N/A	N/A	N/A	Inc-FOXA2-1
A_23_P503072	8,40751	8,30235	1,075613673	ENST00000489442	56477	NM_148672	CCL28
A_33_P3266964	2,48145	2,3763	1,075606218	ENST00000355349	4625	NM_000257	MYH7
A_23_P66593	2,12028	2,01514	1,075598762	ENST00000253408	2670	NM_002055	GFAP
A_22_P00021651	1,88274	1,7776	1,075598762	N/A	N/A	N/A	Inc-HNRNPAB-3
A_21_P0012959	1,72748	1,62237	1,075576396	ENST00000513133	N/A	N/A	N/A



A_23_P138835	13,023	12,9179	1,075568941	ENST00000533129	823	NM_005186	CAPN1
A_24_P8494	14,891	14,7859	1,075568941	ENST00000223641	10952	NM_006808	SEC61B
A_23_P104054	10,1784	10,0733	1,075568941	ENST00000608151	51430	NM_016227	SUCO
A_21_P0005514	1,72368	1,6186	1,07555403	N/A	N/A	N/A	Inc-SGCE-1
A_22_P00022279	1,78734	1,68228	1,07553912	ENST00000441383	104326057	N/A	GACAT1
A_33_P3209070	1,76832	1,66328	1,07552421	ENST00000287777	131377	NM_152393	KLHL40
A_22_P00008281	1,77837	1,67336	1,075501845	ENST00000554552	N/A	DA734962	N/A
A_24_P178963	9,84732	9,74233	1,075486936	ENST00000509439	N/A	N/A	N/A
A_21_P0005529	1,77736	1,67243	1,075442208	N/A	N/A	N/A	Inc-RBM28-2
A_33_P3764636	1,81237	1,70746	1,0754273	N/A	340618	NR_028083	FAM41AY1
A_24_P393461	11,9815	11,8766	1,075419845	ENST00000470180	25912	NM_138740	C1orf43
A_23_P122116	11,0413	10,9364	1,075419845	ENST00000507900	51428	NM_016222	DDX41
A_22_P00008784	1,72579	1,62092	1,075397483	N/A	N/A	BX100611	Inc-KIF26B-1
A_21_P0001042	1,79291	1,68804	1,075397483	N/A	N/A	N/A	Inc-RGS18-2
A_24_P184799	7,6011	7,49626	1,075375121	ENST00000216361	1690	NM_004086	COCH
A_21_P0007173	1,80318	1,69834	1,075375121	N/A	N/A	N/A	Inc-CTR9-1
A_33_P3360912	3,84653	3,74169	1,075375121	ENST00000543926	7776	AF085243	ZNF236
A_33_P3391970	1,80706	1,70225	1,075352759	N/A	N/A	N/A	N/A
A_23_P105044	11,9597	11,8549	1,075345306	ENST00000381519	6150	NM_021134	MRPL23
A_21_P0005621	6,92825	6,82348	1,075322945	ENST00000520842	101927815	NR_125426	LOC101927815
A_21_P0002416	5,14417	5,03941	1,075315491	N/A	N/A	N/A	Inc-AC074091.13.1-1
A_33_P3421418	6,90532	6,8006	1,075285677	ENST00000456556	N/A	XR_427132	N/A
A_22_P00003855	1,77967	1,67497	1,075270771	N/A	N/A	AF307449	Inc-CECR2-1
A_21_P0002942	1,79525	1,6906	1,075233506	N/A	N/A	N/A	Inc-STAC-1
A_24_P303080	7,68202	7,57739	1,0752186	ENST00000296468	256471	NM_152778	MFSD8
A_22_P00015093	1,78591	1,68129	1,075211147	N/A	N/A	N/A	Inc-SNURFL-2
A_23_P128598	7,85924	7,75463	1,075203694	ENST00000618094	7278	NM_006001	TUBA3C
A_24_P216087	11,7429	11,6383	1,075196241	ENST00000595564	54623	NM_019088	PAF1
A_22_P00008493	3,94877	3,8442	1,075173884	ENST00000534789	256236	NR_002798	NAPSB
A_33_P3285145	3,5638	3,45928	1,075136622	N/A	100131826	AY358789	LOC100131826
A_23_P335428	12,0873	11,9828	1,075121717	ENST00000428288	11112	NM_152740	HIBADH
A_23_P207614	12,4394	12,3349	1,075121717	ENST00000544884	9703	NM_014680	KIAA0100
A_21_P0010408	1,82787	1,7234	1,075099361	N/A	N/A	N/A	Inc-CRYBA4-8

A_24_P150023	1,80852	1,70406	1,075091909	ENST00000328224	3739	NM_002233	KCNA4
A_32_P850175	1,76741	1,66298	1,075069553	ENST00000473233	23101	NM_015078	MCF2L2
A_23_P304489	1,76536	1,66096	1,075047198	ENST00000358295	25817	NM_015381	FAM19A5
A_21_P0009319	12,169	12,0646	1,075047198	N/A	101929494	XR_424824	LOC101929494
A_24_P918032	1,76172	1,65733	1,075039746	ENST00000621139	339005	NR_003521	WHAMMP3
A_23_P49254	6,18855	6,08425	1,074972684	ENST00000199708	3049	NM_005331	HBQ1
A_21_P0010463	3,34228	3,23798	1,074972684	N/A	N/A	N/A	Inc-RGL4-4
A_22_P00017726	10,9157	10,8114	1,074972684	ENST00000619574	55857	NM_018474	KIZ
A_21_P0013661	1,79416	1,6899	1,07494288	N/A	N/A	N/A	XLOC_I2_015221
A_33_P3396746	6,05976	5,95553	1,074920527	ENST00000479506	55083	BC042481	KIF26B
A_22_P00023018	1,72218	1,61797	1,074905626	N/A	154449	N/A	LOC154449
A_33_P3383296	1,77568	1,67148	1,074898175	ENST00000358433	283365	NM_001005493	OR6C6
A_33_P3358885	3,89366	3,78948	1,074883274	N/A	100130913	AK128355	LOC100130913
A_33_P3279392	1,72588	1,62174	1,074853472	N/A	N/A	N/A	N/A
A_21_P0010443	7,52419	7,42007	1,074838572	N/A	N/A	N/A	Inc-RPL3-1
A_21_P0012872	2,16838	2,06426	1,074838572	N/A	N/A	N/A	XLOC_I2_011873
A_24_P12904	7,62099	7,51689	1,074823671	ENST00000482868	23731	NM_032012	TMEM245
A_22_P00012165	1,78242	1,67833	1,074816221	ENST00000420224	101928254	NR_110183	LOC101928254
A_32_P192376	2,39976	2,29571	1,074786421	ENST00000360971	5167	NM_006208	ENPP1
A_22_P00001548	1,82007	1,71603	1,074778972	ENST00000422994	101927802	N/A	LINC00368
A_33_P3245606	2,41157	2,30758	1,074741723	ENST00000391429	727857	NM_001164405	BHLHA9
A_22_P00010581	1,76443	1,66044	1,074741723	ENST00000457858	102724076	N/A	LINC01038
A_23_P159110	8,11897	8,015	1,074726824	ENST00000398004	55508	NM_018656	SLC35E3
A_22_P00016874	1,80749	1,70353	1,074719375	N/A	N/A	N/A	Inc-TRUB2-3
A_33_P3284473	1,77042	1,66647	1,074711926	N/A	N/A	N/A	Inc-ZNF454-1
A_22_P00012707	2,09217	1,98822	1,074711926	ENST00000506899	N/A	N/A	N/A
A_33_P3301075	1,72477	1,62084	1,074697027	ENST00000390615	N/A	KJ486916	N/A
A_33_P3280750	2,0721	1,9682	1,07467468	ENST00000453129	644672	NM_001101389	CLDN25
A_23_P97309	10,4947	10,3908	1,07467468	ENST00000400777	842	NM_001229	CASP9
A_22_P00005810	2,60589	2,502	1,07466723	ENST00000564251	N/A	BC033941	N/A
A_21_P0011484	1,81441	1,71056	1,074637435	N/A	N/A	N/A	XLOC_I2_005503
A_33_P3218704	2,74394	2,64011	1,074622537	ENST00000396036	N/A	AK056509	N/A
A_33_P3368900	4,87199	4,76817	1,074615089	N/A	N/A	N/A	N/A

A_23_P119593	9,9471	9,84332	1,074585294	ENST00000602233	79852	NM_024794	EPHX3
A_23_P308839	1,77879	1,67501	1,074585294	ENST00000422113	121256	NM_133448	TMEM132D
A_21_P0003793	5,51226	5,40849	1,074577846	N/A	N/A	N/A	Inc-C4orf27-1
A_23_P417853	1,79229	1,68854	1,074562949	ENST00000317935	140469	NM_138995	MYO3B
A_22_P00008358	1,80436	1,70062	1,074555501	ENST00000418690	N/A	N/A	N/A
A_24_P930975	1,78874	1,68501	1,074548053	ENST00000375352	100131439	NM_001115152	CD300LD
A_24_P58187	9,6936	9,58987	1,074548053	ENST00000526810	N/A	N/A	N/A
A_21_P0006000	2,78511	2,68139	1,074540604	N/A	N/A	N/A	Inc-C9orf93-1
A_21_P0001295	1,74226	1,63854	1,074540604	N/A	N/A	N/A	Inc-ELAVL4-3
A_23_P42649	12,3167	12,213	1,074525708	ENST00000333432	5439	NM_006234	POLR2J
A_23_P24987	10,0576	9,95392	1,074510812	ENST00000549052	6302	NM_005981	TSPAN31
A_21_P0014026	1,72972	1,62604	1,074510812	N/A	100652933	AB586693	IGANRP
A_21_P0003195	1,72364	1,61996	1,074510812	N/A	N/A	N/A	Inc-DCUN1D1-7
A_23_P119344	5,56029	5,45663	1,074495917	ENST00000311227	8463	NM_003598	TEAD2
A_33_P3396139	1,55142	1,44778	1,074481021	ENST00000302823	1493	NM_005214	CTLA4
A_33_P3504187	1,73579	1,63215	1,074481021	N/A	780529	BC041859	LOC780529
A_22_P00013411	1,78551	1,68189	1,074466126	ENST00000556163	100129345	NR_033943	LOC100129345
A_22_P00003516	1,7825	1,67889	1,074458678	N/A	N/A	N/A	Inc-CCL18-1
A_33_P3406047	3,00659	2,90299	1,07445123	ENST00000301295	147945	NM_134444	NLRP4
A_23_P348121	8,35718	8,2536	1,074436335	ENST00000264716	2355	NM_005253	FOSL2
A_21_P0003501	1,72289	1,61933	1,074421441	ENST00000487657	N/A	N/A	N/A
A_21_P0005100	7,39612	7,29259	1,074399099	ENST00000456943	N/A	N/A	N/A
A_22_P00020610	1,82421	1,72069	1,074391652	N/A	102503427	N/A	LOC102503427
A_33_P3542911	3,24472	3,14121	1,074384205	N/A	100170219	BF570948	SNAR-C4
A_24_P49687	17,3885	17,285	1,074376758	ENST00000461060	N/A	N/A	N/A
A_23_P382065	1,72099	1,6175	1,074369311	ENST00000305864	51705	NM_016242	EMCN
A_22_P00017420	1,81974	1,71627	1,074354417	N/A	100874038	XR_245081	CADM2-AS1
A_33_P3231367	8,58779	8,48437	1,074317183	ENST00000381061	25814	NM_013236	ATXN10
A_33_P3402010	4,80907	4,70567	1,07430229	N/A	N/A	AK024445	N/A
A_33_P3395798	1,79623	1,69283	1,07430229	ENST00000377293	26074	N/A	CFAP61
A_33_P3276303	1,81188	1,70853	1,074265058	ENST00000400418	649264	N/A	CES5AP1
A_21_P0005156	1,79339	1,69005	1,074257612	N/A	N/A	N/A	Inc-DTNBP1-2
A_32_P18547	8,45163	8,3483	1,074250166	ENST00000397694	54059	NM_058181	YBEY

A_33_P3344282	3,64701	3,54368	1,074250166	N/A	64342	BC038847	HS1BP3
A_23_P106481	14,2507	14,1474	1,074227828	ENST00000560911	51234	NM_016454	EMC4
A_24_P30567	10,4761	10,3728	1,074227828	ENST00000353487	121665	NM_139015	SPPL3
A_22_P00007117	1,81457	1,71128	1,074220382	N/A	283194	NR_033853	LOC283194
A_21_P0011455	1,80017	1,69689	1,074212936	N/A	N/A	N/A	XLOC_I2_005393
A_21_P0003728	1,83663	1,73338	1,074190599	N/A	N/A	N/A	Inc-PPARGC1A-2
A_21_P0011949	8,08094	7,97769	1,074190599	N/A	N/A	N/A	XLOC_I2_008203
A_21_P0009441	1,81076	1,70753	1,074175707	N/A	N/A	N/A	Inc-SMCHD1-1
A_33_P3248580	6,3805	6,27732	1,07413848	ENST00000508108	N/A	N/A	N/A
A_21_P0014506	1,77379	1,67061	1,07413848	N/A	N/A	N/A	N/A
A_21_P0013153	1,80781	1,70464	1,074131034	ENST00000419061	N/A	XR_426087	N/A
A_33_P3389713	1,72457	1,62141	1,074123589	ENST00000625024	219493	NM_001004730	OR5AR1
A_33_P3331687	10,0104	9,90729	1,074086363	ENST00000392944	26086	NM_001145638	GPSM1
A_23_P68106	15,6555	15,5524	1,074078919	ENST00000233143	9168	NM_021103	TMSB10
A_33_P3236310	8,74548	8,6424	1,074064029	ENST00000467773	135935	NM_001080413	NOBOX
A_24_P130936	4,09756	3,9945	1,074049139	ENST00000623700	8653	NM_004660	DDX3Y
A_22_P00025634	1,77916	1,67613	1,074026805	ENST00000537032	N/A	AF087996	N/A
A_22_P00003147	2,64659	2,54357	1,074019361	ENST00000443163	N/A	N/A	N/A
A_33_P3311248	1,81365	1,71066	1,073997027	ENST00000334046	337973	NM_181612	KRTAP19-6
A_22_P00024479	2,78584	2,68292	1,073944918	N/A	N/A	N/A	Inc-TP53INP1-2
A_23_P109254	13,7404	13,6375	1,07393003	ENST00000465158	9584	NM_184234	RBM39
A_33_P3278714	4,64277	4,53989	1,073915142	N/A	N/A	N/A	N/A
A_22_P00002620	3,67094	3,56809	1,073892811	N/A	N/A	N/A	Inc-C1orf124-2
A_33_P3407065	10,8438	10,741	1,073855593	ENST00000407818	3796	NM_001243952	KIF2A
A_23_P204847	14,7078	14,605	1,073855593	ENST00000323076	3936	NM_002298	LCP1
A_33_P3273767	4,56163	4,45885	1,073840707	N/A	N/A	N/A	N/A
A_23_P210829	9,21683	9,11406	1,073833263	ENST00000308824	55251	NM_018257	PCMTD2
A_23_P214544	5,45772	5,35497	1,073818377	ENST00000469384	2880	NM_001509	GPX5
A_22_P00006403	1,7522	1,64946	1,073810934	N/A	N/A	BX091388	Inc-FBXL7-1
A_21_P0005597	1,7192	1,61646	1,073810934	N/A	7291	XR_428085	TWIST1
A_33_P3247310	1,72272	1,62	1,073796048	ENST00000313544	N/A	AB529248	N/A
A_32_P163533	9,63963	9,53692	1,073788605	ENST00000471278	79692	NM_001242797	ZNF322
A_33_P3257232	12,8099	12,7072	1,073781162	ENST00000299424	6881	NM_006284	TAF10

A_33_P3215023	11,2362	11,1335	1,073781162	ENST00000373685	221477	NM_152734	C6orf89
A_23_P94932	13,9322	13,8295	1,073781162	ENST00000428879	27249	NM_015702	MMADHC
A_22_P00005898	1,47302	1,37033	1,073773719	ENST00000427799	284573	NR_027902	LINC00303
A_21_P0008720	1,79152	1,68884	1,073766276	N/A	N/A	N/A	Inc-MEIS2-6
A_21_P0007294	1,78617	1,68351	1,073751391	N/A	N/A	N/A	Inc-RP11-688I9.2.1-3
A_21_P0013029	1,83523	1,73258	1,073743948	N/A	N/A	N/A	XLOC_I2_012614
A_24_P296070	10,9656	10,863	1,073706736	ENST00000349995	83548	NM_031431	COG3
A_24_P63347	1,77466	1,67206	1,073706736	N/A	5197	NM_002620	PF4V1
A_23_P211850	8,04141	7,93884	1,073684409	ENST00000478253	57406	NM_020676	ABHD6
A_23_P201951	9,25481	9,15224	1,073684409	ENST00000264183	51742	NM_016374	ARID4B
A_23_P42331	14,8526	14,7501	1,073632315	ENST00000447654	3159	NM_145901	HMGA1
A_23_P128174	11,0014	10,8989	1,073632315	ENST00000378809	117177	NM_175623	RAB3IP
A_23_P501435	11,3478	11,2453	1,073632315	ENST00000435364	57325	NM_020536	CSRP2BP
A_24_P340227	1,71879	1,61631	1,073617431	ENST00000451467	252955	NR_001540	TTY23
A_33_P3295838	6,23397	6,1315	1,073609989	ENST00000588434	78995	NM_001171251	C17orf53
A_22_P00011936	2,18184	2,07937	1,073609989	ENST00000513690	N/A	N/A	N/A
A_21_P0006564	1,52141	1,41894	1,073609989	ENST00000604411	9383	N/A	TSIX
A_22_P00006397	1,93889	1,83643	1,073602548	N/A	N/A	N/A	Inc-FBXL22-1
A_22_P00012446	8,00628	7,90382	1,073602548	ENST00000419851	N/A	XR_432541	N/A
A_23_P137403	9,46024	9,35781	1,073580223	ENST00000615587	10489	NM_006369	LRRC41
A_23_P23206	11,4209	11,3185	1,073557899	ENST00000376667	10459	NM_006341	MAD2L2
A_21_P0008583	1,8129	1,71051	1,073550457	N/A	N/A	N/A	Inc-RP11-529J17.2.1-2
A_21_P0001007	1,80543	1,70305	1,073543016	ENST00000420059	N/A	N/A	N/A
A_21_P0013724	1,8202	1,71782	1,073543016	ENST00000428709	101927827	NR_121564	LOC101927827
A_22_P00016285	2,93317	2,8308	1,073535575	ENST00000534849	N/A	N/A	N/A
A_21_P0005862	1,77783	1,67548	1,073520693	N/A	N/A	N/A	Inc-TPD52-1
A_33_P3248008	4,6244	4,52208	1,07349837	N/A	100652807	XM_003403510	LOC100652807
A_33_P3221373	3,20671	3,10439	1,07349837	ENST00000523862	102724804	NR_125828	LOC102724804
A_21_P0000544	5,41015	5,30784	1,073490929	N/A	84852	NR_027646	ATP1A1-AS1
A_33_P3389837	10,7194	10,6171	1,073483488	ENST00000537466	51184	NM_001164372	GPN3
A_23_P356484	17,7351	17,6328	1,073483488	ENST00000494077	6204	NM_001014	RPS10
A_23_P368870	1,80994	1,70767	1,073461166	ENST00000546725	439916	NR_038868	LINC00615
A_33_P3221055	7,79591	7,69364	1,073461166	N/A	101927270	XR_432672	LOC101927270

A_24_P876408	9,50526	9,40299	1,073461166	ENST00000433688	65998	NM_001144936	C11orf95
A_22_P00015957	2,24205	2,13982	1,073431403	N/A	N/A	DA110576	Inc-TEAD4-2
A_21_P0002046	1,79241	1,69018	1,073431403	ENST00000456467	100506108	NR_103785	SIX3-AS1
A_22_P00014679	1,77544	1,67321	1,073431403	N/A	N/A	N/A	Inc-SLC25A16-3
A_22_P00021823	1,80664	1,70443	1,073416523	N/A	N/A	BX361357	Inc-PRPF18-7
A_21_P0004473	1,83467	1,73247	1,073409082	N/A	N/A	N/A	Inc-BOD1-2
A_23_P129058	10,5224	10,4202	1,073409082	ENST00000560379	9101	NM_005154	USP8
A_24_P662646	1,83242	1,73026	1,073379321	ENST00000509403	100505841	N/A	LOC100505841
A_22_P00011300	9,50868	9,40656	1,073349561	N/A	55000	NR_110493	TUG1
A_23_P5441	11,0717	10,9696	1,073334682	ENST00000443805	10058	NM_005689	ABCB6
A_24_P41149	8,83134	8,72925	1,073327242	ENST00000475592	N/A	N/A	N/A
A_33_P3591321	1,78503	1,68294	1,073327242	N/A	N/A	BI767459	N/A
A_33_P3293753	5,79696	5,6949	1,073304923	ENST00000397911	386676	NM_198690	KRTAP10-9
A_24_P387875	1,77987	1,67784	1,073282604	ENST00000368089	3766	NM_002241	KCNJ10
A_23_P53763	1,7584	1,65637	1,073282604	ENST00000441284	80183	NM_025113	KIAA0226L
A_22_P00007152	1,78005	1,67802	1,073282604	ENST00000621456	10991	N/A	SLC38A3
A_21_P0013348	6,1366	6,03457	1,073282604	N/A	N/A	N/A	XLOC_I2_014001
A_33_P3225273	7,04379	6,94177	1,073275165	ENST00000392029	5768	NM_001004128	QSOX1
A_24_P271149	4,57181	4,46981	1,073260286	ENST00000270642	402665	NM_001101372	IGLON5
A_24_P681301	18,4642	18,3622	1,073260286	ENST00000339647	7316	NM_021009	UBC
A_33_P3308905	5,47191	5,36996	1,073223091	ENST00000359793	285753	NM_001271853	CEP57L1
A_33_P3361217	3,88141	3,77946	1,073223091	N/A	N/A	N/A	N/A
A_22_P00001670	7,14024	7,0383	1,073215652	ENST00000427886	N/A	N/A	N/A
A_23_P407583	1,79597	1,69412	1,073148703	ENST00000326441	5178	NM_006210	PEG3
A_21_P0014539	1,52839	1,42655	1,073141265	N/A	N/A	N/A	Inc-CALM1-4
A_33_P3341648	1,78344	1,68161	1,073133826	N/A	54777	NM_001200049	CFAP46
A_32_P527371	1,81003	1,7082	1,073133826	ENST00000480523	129049	AB449879	SGSM1
A_33_P3345717	1,72292	1,62114	1,073096635	ENST00000488120	1641	NM_001195553	DCX
A_33_P3407479	1,74733	1,64556	1,073089197	N/A	N/A	AK097337	Inc-MORF4L1-2
A_23_P1638	10,0326	9,93085	1,073074321	ENST00000525754	83759	NM_031492	RBM4B
A_22_P00008018	1,80984	1,70809	1,073074321	ENST00000579045	N/A	BC082966	N/A
A_33_P3387352	5,29955	5,19784	1,073044569	ENST00000411514	N/A	BC068238	N/A
A_23_P208373	4,67065	4,56895	1,073037131	ENST00000597612	1555	NM_000767	CYP2B6

A_23_P166663	11,1077	11,006	1,073037131	ENST00000288266	26060	NM_012096	APPL1
A_21_P0009455	1,44441	1,34274	1,073014818	ENST00000591431	101927433	N/A	LINC01255
A_21_P0014022	1,7969	1,69524	1,073007381	N/A	100652835	AB593131	RBSG2
A_33_P3264224	6,76188	6,66031	1,072940445	ENST00000342711	55561	NM_017525	CDC42BPG
A_22_P00010482	3,81482	3,71326	1,072933008	N/A	N/A	N/A	Inc-NAV1-1
A_33_P3353747	1,83451	1,73295	1,072933008	N/A	N/A	N/A	N/A
A_32_P60223	9,76399	9,66245	1,072918134	ENST00000313552	84289	NM_032329	ING5
A_24_P93720	1,72199	1,62047	1,072903261	N/A	645984	AK095436	LOC645984
A_22_P00014677	6,32048	6,21897	1,072895824	ENST00000609923	N/A	BC023330	N/A
A_22_P00012185	1,71748	1,61598	1,072888387	ENST00000416008	N/A	BG184951	N/A
A_22_P00013057	7,49038	7,38889	1,072880951	ENST00000566297	284648	NR_036490	LOC284648
A_33_P3306664	1,77429	1,67281	1,072873514	N/A	N/A	N/A	Inc-DET1-2
A_22_P00013571	1,80565	1,7042	1,072851204	ENST00000567227	N/A	DA740059	N/A
A_33_P3465703	3,01279	2,91143	1,072784278	N/A	677837	BF304636	SNORA60
A_22_P00016351	1,61171	1,51037	1,072769407	ENST00000427584	N/A	N/A	N/A
A_22_P00020962	6,55744	6,45613	1,072747099	ENST00000439050	100996579	NR_110163	LOC100996579
A_32_P234827	11,0172	10,9159	1,072739664	ENST00000458464	55156	NM_018120	ARMC1
A_21_P0007939	1,72276	1,62147	1,072732228	N/A	N/A	N/A	Inc-RNASEH2B-2
A_22_P00008195	1,53162	1,43034	1,072724792	ENST00000381641	11172	NM_007179	INSL6
A_21_P0001666	9,38244	9,28119	1,072702486	N/A	N/A	N/A	Inc-CDC42-1
A_21_P0002246	1,77767	1,67642	1,072702486	N/A	N/A	N/A	Inc-CTNNA2-2
A_22_P00011028	2,30367	2,20246	1,072672745	N/A	N/A	N/A	Inc-NT5DC3-2
A_22_P00007906	1,78508	1,68388	1,072665309	N/A	N/A	N/A	Inc-HSPA14-1
A_23_P98183	11,3031	11,2019	1,072665309	ENST00000311189	3265	NM_005343	HRAS
A_32_P375062	1,83434	1,73317	1,072643004	ENST00000357061	255330	NR_034158	NUP210P1
A_24_P366845	1,71633	1,61521	1,07260583	ENST00000448036	N/A	N/A	N/A
A_22_P00006425	1,79529	1,6942	1,072583526	ENST00000557067	N/A	N/A	N/A
A_24_P114617	9,60576	9,50467	1,072583526	ENST00000263780	25978	NM_014043	CHMP2B
A_22_P00015096	1,73149	1,63041	1,072576091	N/A	N/A	N/A	Inc-SNW1-3
A_22_P00000891	5,5588	5,45772	1,072576091	N/A	N/A	N/A	Inc-AHNAK-4
A_21_P0011111	1,82438	1,72333	1,072553788	ENST00000503695	N/A	N/A	N/A
A_33_P3333975	12,6648	12,5638	1,072516617	ENST00000445695	220869	NM_001286835	CBWD5
A_23_P346327	1,72414	1,62314	1,072516617	N/A	146512	NR_026674	FLJ30679

A_23_P410017	6,17163	6,0707	1,072464579	ENST00000284259	219899	NM_152715	TBCEL
A_23_P419947	8,3532	8,25229	1,072449712	ENST00000487838	4291	NM_022443	MLF1
A_24_P156769	4,12555	4,02466	1,072434845	N/A	4352	NM_005373	MPL
A_21_P0014033	4,09308	3,99221	1,072419978	ENST00000575066	N/A	N/A	N/A
A_22_P00010742	1,78222	1,6814	1,072382811	N/A	N/A	N/A	Inc-NIPAL4-1
A_33_P3423820	11,9033	11,8025	1,072367945	ENST00000262577	23144	NM_015117	ZC3H3
A_23_P134744	8,77137	8,67058	1,072360512	ENST00000256257	79845	NM_024787	RNF122
A_32_P137920	1,76971	1,66893	1,072353079	ENST00000368580	345895	NM_001010892	RSPH4A
A_23_P258164	7,03335	6,93259	1,072338213	ENST00000377049	1325	NM_001302	CORT
A_22_P00008695	1,7322	1,63147	1,072315914	N/A	N/A	N/A	Inc-KIAA1147-4
A_33_P3372397	4,52609	4,42536	1,072315914	N/A	N/A	AK130111	N/A
A_21_P0008523	4,3654	4,26468	1,072308482	ENST00000554522	101929080	NR_110127	LOC101929080
A_33_P3362806	5,26539	5,1647	1,072286184	ENST00000488361	56850	BX647801	GRIPAP1
A_21_P0006581	1,8072	1,70655	1,072256454	N/A	N/A	N/A	Inc-RHOXF1-1
A_22_P00014426	3,34383	3,24318	1,072256454	N/A	N/A	AL833696	Inc-SGSH-1
A_21_P0004817	6,60374	6,5031	1,072249022	N/A	N/A	N/A	Inc-WRNIP1-2
A_23_P338519	7,2041	7,10347	1,07224159	ENST00000416026	28512	NM_020345	NKIRAS1
A_22_P00018276	5,48937	5,38876	1,072226725	N/A	101928733	XR_250292	LOC101928733
A_33_P3217834	11,1534	11,0528	1,072219293	ENST00000358207	50485	NM_014140	SMARCAL1
A_22_P00018518	1,79256	1,69198	1,072204429	ENST00000431343	N/A	N/A	N/A
A_21_P0000884	4,41135	4,31079	1,072189565	N/A	100507321	NR_040023	ERVK13-1
A_33_P3696837	1,70494	1,60438	1,072189565	N/A	339751	NR_033882	MLK7-AS1
A_21_P0000278	9,00374	8,9032	1,072174702	ENST00000584901	652966	NR_002604	SNORD10
A_33_P3211520	8,52617	8,42563	1,072174702	ENST00000491439	116841	NM_053052	SNAP47
A_23_P132438	9,3318	9,23127	1,07216727	ENST00000309993	55167	NM_018133	MSL2
A_33_P3267305	12,7666	12,6661	1,072144975	ENST00000267116	283373	NM_173595	ANKRD52
A_22_P00001581	1,71538	1,61489	1,072137544	N/A	N/A	AK000957	Inc-ARL6-1
A_33_P3227703	5,67357	5,57311	1,07211525	N/A	N/A	N/A	N/A
A_23_P217028	9,44394	9,3435	1,072100387	ENST00000315480	10868	NM_001008563	USP20
A_33_P3242174	6,81335	6,71292	1,072092956	ENST00000331342	389084	NM_206895	C2orf82
A_33_P3375435	6,89958	6,79916	1,072085525	ENST00000453174	119385	NM_133447	AGAP11
A_22_P00019350	1,82957	1,72916	1,072078093	N/A	N/A	BX097857	Inc-TMBIM4-1
A_23_P39263	9,54576	9,44535	1,072078093	ENST00000614108	126295	NM_173480	ZNF57



A_22_P00000882	1,98125	1,88086	1,072063231	ENST00000510212	285456	NR_026968	RPL34-AS1
A_22_P00000353	1,74423	1,64388	1,072033508	ENST00000561051	N/A	DA472297	N/A
A_32_P105195	7,78198	7,68163	1,072033508	ENST00000452510	9879	NM_014829	DDX46
A_22_P00017634	5,73832	5,63798	1,072026077	N/A	N/A	N/A	Inc-WNT1-1
A_33_P3262138	9,22175	9,12142	1,072018647	ENST00000454465	64682	NM_022662	ANAPC1
A_22_P00018009	4,9065	4,80624	1,071966633	N/A	N/A	N/A	Inc-ZNF177-1
A_23_P62173	1,76326	1,663	1,071966633	ENST00000609007	56157	NM_031274	TEX13A
A_23_P18246	5,86161	5,76138	1,071944342	ENST00000309285	2829	NM_005283	XCR1
A_33_P3268783	1,81229	1,71212	1,071899762	ENST00000312371	155185	NM_133463	AMZ1
A_19_P00322164	1,7218	1,62165	1,071884903	ENST00000465262	285401	NR_027104	LINC00698
A_22_P00010364	1,82964	1,7295	1,071877473	ENST00000558792	101928442	NR_120336	LINC01491
A_33_P3402329	7,98234	7,8822	1,071877473	ENST00000440570	84848	NR_024607	MIR503HG
A_33_P3275998	8,71982	8,61968	1,071877473	ENST00000341923	9135	NM_004703	RABEP1
A_33_P3328375	1,78283	1,68271	1,071862614	ENST00000504425	83894	NM_001300761	TTC29
A_21_P0012254	1,78437	1,68426	1,071855184	N/A	N/A	N/A	XLOC_l2_009313
A_33_P3368835	1,80054	1,70044	1,071847755	ENST00000358775	401040	XR_109937	LOC401040
A_33_P3227324	11,1015	11,0014	1,071847755	ENST00000264819	54531	NM_017550	MIER2
A_23_P156025	1,73911	1,63904	1,071825467	ENST00000382611	153572	NM_033267	IRX2
A_33_P3230985	1,77482	1,67475	1,071825467	N/A	403312	NM_001301851	LOC403312
A_21_P0008630	2,43393	2,33387	1,071818037	N/A	N/A	N/A	Inc-SLC24A5-1
A_22_P00007420	2,09604	1,99599	1,071810608	N/A	N/A	BC033335	Inc-GRXCR1-3
A_21_P0008667	1,82141	1,72137	1,071803179	N/A	102724566	XR_424667	LOC102724566
A_23_P2501	1,82332	1,72329	1,07179575	ENST00000553106	5053	NM_000277	PAH
A_33_P3405946	13,5998	13,4998	1,071773463	ENST00000465158	9584	NM_184234	RBM39
A_22_P00015068	1,71432	1,61437	1,071736318	N/A	N/A	BX402995	Inc-SNTG2-3
A_21_P0006646	1,73004	1,63012	1,071714032	N/A	N/A	N/A	Inc-ITIH2-2
A_33_P3256868	9,87608	9,77619	1,071691747	ENST00000541777	55769	NM_001277945	ZNF83
A_33_P3268129	3,25921	3,15936	1,071662034	ENST00000367356	554279	EU250749	LINC00862
A_33_P3276997	5,58063	5,4808	1,071647178	ENST00000434603	4135	NM_207577	MAP6
A_33_P3655815	1,53448	1,43471	1,07160261	N/A	677794	BQ322426	SNORA2B
A_22_P00002730	3,94626	3,84653	1,071572899	N/A	N/A	N/A	Inc-C20orf78-4
A_22_P00012037	8,06318	7,96347	1,071558044	N/A	N/A	N/A	Inc-PLEKHA8-1
A_24_P42136	15,5253	15,4256	1,071550617	ENST00000504966	3875	NM_000224	KRT18

A_24_P538478	5,95986	5,86019	1,071528335	ENST00000237380	80306	AF321617	MED28
A_21_P0011501	7,59268	7,49301	1,071528335	ENST00000624936	101926936	XR_429804	LOC101926936
A_22_P00011386	8,07694	7,97736	1,071461491	N/A	N/A	BX538252	Inc-P4HA2-2
A_22_P00001746	1,77342	1,67387	1,071439211	N/A	N/A	N/A	Inc-ATMIN-3
A_21_P0014620	4,03184	3,9323	1,071431785	N/A	28991	XR_428379	COMMD5
A_33_P3331178	1,78692	1,68739	1,071424358	ENST00000390604	N/A	N/A	N/A
A_24_P33444	8,86499	8,76547	1,071416931	ENST00000431545	7531	NM_006761	YWHAE
A_21_P0004685	1,75104	1,65153	1,071409505	ENST00000422700	100507254	N/A	LINC01013
A_22_P00021970	4,78378	4,68427	1,071409505	N/A	N/A	N/A	Inc-RAB9A-1
A_22_P00007608	1,7228	1,62332	1,071387226	N/A	101927000	XR_242115	LOC101927000
A_23_P61637	6,22845	6,12903	1,071342669	ENST00000546999	3034	NM_002108	HAL
A_33_P3412375	1,83097	1,73157	1,071327817	N/A	N/A	AK124996	N/A
A_22_P00023269	1,74784	1,64845	1,071320391	ENST00000593670	N/A	DB525580	N/A
A_21_P0003407	1,79181	1,69248	1,071275837	ENST00000507365	N/A	N/A	N/A
A_32_P163247	4,02379	3,92446	1,071275837	ENST00000409511	925	NM_001768	CD8A
A_21_P0001880	1,77638	1,67711	1,071231285	ENST00000453951	101927861	XR_245025	LINC01293
A_21_P0008408	1,71624	1,61697	1,071231285	N/A	N/A	N/A	Inc-NRL-3
A_21_P0008555	1,88471	1,78548	1,071201585	N/A	N/A	N/A	Inc-C15orf48-1
A_21_P0006471	1,59814	1,49891	1,071201585	ENST00000620118	N/A	N/A	N/A
A_23_P18142	17,6789	17,5797	1,07117931	ENST00000396953	6161	NM_001007074	RPL32
A_21_P0012323	1,71814	1,61895	1,071171885	N/A	N/A	N/A	Inc-SLC5A1-1
A_22_P00004070	1,75772	1,65854	1,07116446	N/A	100506321	NR_045122	LOC100506321
A_21_P0007317	1,81011	1,71094	1,071157036	N/A	N/A	N/A	Inc-SBF2-2
A_23_P21316	5,87542	5,77628	1,071134762	ENST00000368937	58497	NM_021222	PRUNE
A_21_P0011046	1,71876	1,61968	1,071090215	N/A	N/A	N/A	XLOC_I2_002963
A_33_P3416807	1,81099	1,71194	1,071067943	N/A	N/A	N/A	N/A
A_24_P373333	9,95327	9,85424	1,071053095	ENST00000566681	80011	NM_024946	FAM192A
A_24_P56884	9,27292	9,17389	1,071053095	ENST00000580868	N/A	AY074907	N/A
A_23_P137909	15,8732	15,7742	1,071030823	ENST00000366696	8290	NM_003493	HIST3H3
A_21_P0005856	4,9068	4,80783	1,071008552	N/A	N/A	N/A	Inc-SLCO5A1-3
A_33_P3314192	9,77223	9,67326	1,071008552	ENST00000402229	11252	NM_001184970	PACSIN2
A_23_P102634	1,80591	1,70699	1,070971434	ENST00000372670	140870	NM_080827	WFDC6
A_33_P3352432	9,15366	9,05475	1,070964011	ENST00000344302	55634	NM_001129899	KRBOX4

A_23_P340617	1,83118	1,73229	1,070949164	ENST00000296526	2891	NM_000826	GRIA2
A_22_P00014735	1,74461	1,64575	1,070926895	ENST00000420237	101929648	XR_247061	LOC101929648
A_21_P0010383	1,76022	1,66137	1,070919472	ENST00000442579	N/A	N/A	N/A
A_33_P3326545	9,09935	9,00054	1,07088978	ENST00000402785	91355	NM_182492	LRP5L
A_24_P824592	7,47482	7,37608	1,070837821	ENST00000528645	27316	NM_002139	RBMX
A_22_P00025479	1,71168	1,61295	1,070830399	N/A	N/A	DB129520	Inc-BARD1-1
A_21_P0011666	1,79386	1,69513	1,070830399	N/A	N/A	N/A	XLOC_I2_006574
A_21_P0011785	1,71809	1,61937	1,070822976	N/A	N/A	N/A	XLOC_I2_007167
A_23_P27239	4,05899	3,9603	1,070800709	ENST00000331459	4991	NM_002548	OR1D2
A_22_P00000958	3,77836	3,67972	1,070763599	N/A	N/A	N/A	Inc-AKTIP-2
A_21_P0001281	1,74082	1,64218	1,070763599	N/A	N/A	N/A	Inc-C1orf94-1
A_21_P0000596	1,78401	1,68538	1,070756177	ENST00000611530	338004	NR_033375	LINC00226
A_33_P3381429	18,4367	18,3381	1,070733912	ENST00000436136	N/A	N/A	N/A
A_21_P0008597	1,81433	1,71574	1,07072649	ENST00000567647	N/A	XR_424580	N/A
A_33_P3404508	6,0973	5,99872	1,070719068	ENST00000613750	27158	NM_001144027	NDOR1
A_33_P3362453	1,70559	1,60701	1,070719068	ENST00000442031	N/A	N/A	N/A
A_33_P3362359	1,7171	1,61854	1,070704225	ENST00000390389	N/A	N/A	N/A
A_21_P0000372	4,0483	3,94975	1,070696803	ENST00000471759	692085	NR_003042	SNORD45C
A_22_P00022416	1,80927	1,71072	1,070696803	N/A	102724548	XR_425157	LOC102724548
A_24_P290286	1,75095	1,65242	1,07068196	ENST00000532689	283208	NM_182904	P4HA3
A_21_P0011639	1,9597	1,86119	1,070667118	N/A	N/A	N/A	XLOC_I2_006027
A_33_P3270474	1,79425	1,69574	1,070667118	N/A	N/A	N/A	N/A
A_22_P00012972	2,65988	2,56138	1,070659697	N/A	100505758	NR_120600	PRMT5-AS1
A_33_P3428642	8,73129	8,6328	1,070652275	ENST00000615410	1762	NM_004943	DMWD
A_22_P00008456	1,81027	1,71179	1,070644854	ENST00000519337	N/A	N/A	N/A
A_33_P3349671	1,75493	1,65648	1,070622591	N/A	101927680	XM_005252326	LOC101927680
A_21_P0009830	6,77732	6,67889	1,070607749	N/A	N/A	N/A	Inc-CSRP2BP-1
A_24_P89080	7,13138	7,03296	1,070600328	ENST00000286648	1633	NM_000788	DCK
A_32_P27479	1,77598	1,67758	1,070585487	ENST00000590409	204801	NM_145007	NLRP11
A_22_P00002159	4,29827	4,19991	1,070555804	N/A	N/A	DB496135	Inc-BRMS1L-1
A_33_P3358412	3,05107	2,95275	1,070526122	N/A	100128198	AK125043	LOC100128198
A_22_P00000282	9,91824	9,81993	1,070518702	ENST00000567888	100126328	BM766675	MIR940
A_22_P00003624	1,58032	1,48201	1,070518702	N/A	N/A	N/A	Inc-CD46-3

A_21_P0014671	17,3725	17,2742	1,070511282	ENST00000525828	6207	NM_001017	RPS13
A_33_P3374463	8,24518	8,14689	1,070503862	ENST00000322602	4238	NM_001242336	MFAP3
A_21_P0010013	1,78718	1,6889	1,070496442	N/A	N/A	N/A	Inc-FOXA2-5
A_33_P6594257	1,79441	1,69616	1,070474181	ENST00000590990	3868	N/A	KRT16
A_22_P00008587	1,80268	1,70448	1,070437082	N/A	N/A	N/A	Inc-KCTD17-1
A_23_P102937	11,9994	11,9012	1,070437082	ENST00000411651	6612	NM_006936	SUMO3
A_33_P3306684	1,82974	1,73154	1,070437082	N/A	N/A	N/A	N/A
A_23_P30435	12,8601	12,7619	1,070437082	ENST00000315050	10318	NM_006058	TNIP1
A_22_P00014603	1,71568	1,61752	1,070407404	ENST00000615029	N/A	N/A	N/A
A_33_P3278275	1,78127	1,68314	1,070385146	ENST00000374511	255220	XM_005251879	TXNDC8
A_32_P345659	1,80652	1,70842	1,070362888	ENST00000421646	165904	NM_194293	XIRP1
A_21_P0008837	1,73646	1,63838	1,070348049	N/A	N/A	N/A	Inc-AGBL1-2
A_21_P0000051	4,06043	3,96236	1,07034063	N/A	27185	NM_001164551	DISC1
A_24_P942604	7,51689	7,41883	1,070333211	ENST00000375340	8243	NM_006306	SMC1A
A_21_P0012429	1,71979	1,62173	1,070333211	N/A	N/A	N/A	XLOC_I2_010075
A_21_P0008770	1,71152	1,61348	1,070318374	N/A	N/A	N/A	Inc-KLHL25-7
A_23_P146209	10,2948	10,1968	1,070288698	ENST00000319073	81790	NM_030954	RNF170
A_23_P212792	8,92332	8,82533	1,07028128	ENST00000506202	9662	NM_025009	CEP135
A_23_P211079	1,76876	1,67078	1,070273861	ENST00000333337	10215	NM_005806	OLIG2
A_21_P0000801	1,78254	1,68457	1,070266443	ENST00000435062	100506274	NR_038432	LOC100506274
A_22_P00025069	1,71647	1,61852	1,070251606	N/A	N/A	N/A	Inc-CS-1
A_33_P3721983	17,0627	16,9648	1,070214514	ENST00000532619	N/A	BC001183	N/A
A_33_P3323641	1,74447	1,64661	1,070184842	N/A	N/A	N/A	N/A
A_21_P0005877	1,82481	1,72698	1,070162588	N/A	N/A	N/A	Inc-ANKRD46-1
A_33_P3246970	1,76354	1,66571	1,070162588	N/A	N/A	N/A	N/A
A_33_P3404899	1,79014	1,69233	1,070147753	ENST00000498776	23266	NM_012302	LPHN2
A_21_P0000395	3,93885	3,84104	1,070147753	N/A	692214	NR_003079	SNORD111
A_22_P00001145	1,72372	1,62594	1,0701255	ENST00000565441	101927508	XR_243453	LOC101927508
A_22_P00009101	7,22754	7,12977	1,070118082	N/A	N/A	N/A	Inc-LIFR-1
A_23_P62890	8,18453	8,08677	1,070110665	ENST00000370473	2633	NM_002053	GBP1
A_21_P0014650	5,53307	5,43533	1,07009583	N/A	100506282	AL359570	LOC100506282
A_33_P3221223	1,71465	1,61693	1,070080996	N/A	N/A	N/A	N/A
A_24_P49190	8,68207	8,58436	1,070073578	ENST00000334461	284018	NM_181655	C17orf58

A_33_P3216562	1,82112	1,72342	1,070066161	N/A	100131635	NR_034062	LOC100131635
A_22_P00023214	1,70197	1,60427	1,070066161	N/A	N/A	N/A	Inc-AKAP13-1
A_23_P92543	8,74917	8,65147	1,070066161	ENST00000388940	152579	NM_152540	SCFD2
A_19_P00321636	5,35424	5,25658	1,070036493	ENST00000446336	N/A	N/A	N/A
A_22_P00010701	1,71666	1,619	1,070036493	ENST00000555024	N/A	N/A	N/A
A_22_P00018614	1,79683	1,69917	1,070036493	N/A	N/A	N/A	Inc-TIPIN-2
A_23_P312863	13,3004	13,2028	1,069991993	ENST00000604929	10383	NM_006088	TUBB4B
A_23_P77776	14,3935	14,2959	1,069991993	ENST00000582449	6427	NM_003016	SRSF2
A_21_P0014322	1,78022	1,68262	1,069991993	N/A	101928595	XR_243378	LOC101928595
A_23_P170901	5,81711	5,71954	1,069969743	ENST00000621363	135138	NM_152410	PACRG
A_22_P00015471	6,19263	6,09507	1,069962326	ENST00000511592	N/A	N/A	N/A
A_21_P0008743	1,80998	1,71242	1,069962326	N/A	N/A	N/A	Inc-ALDH1A2-2
A_33_P3212188	1,70995	1,61244	1,069925245	ENST00000253193	4037	NM_002333	LRP3
A_23_P214211	12,9752	12,8777	1,069917829	ENST00000493269	57038	NM_020320	RARS2
A_22_P00022436	1,80263	1,70514	1,069910413	ENST00000546592	51184	XM_005253896	GPN3
A_33_P3237096	8,96086	8,86338	1,069902997	ENST00000369081	22876	NM_001243195	INPP5F
A_24_P40551	1,82782	1,73035	1,069895581	ENST00000372691	56271	NM_001080425	BEX4
A_21_P0011414	6,87954	6,7821	1,069873333	N/A	N/A	N/A	XLOC_I2_005100
A_33_P3293009	4,85378	4,75634	1,069873333	ENST00000370316	128414	NM_152864	NKAIN4
A_33_P3247320	1,7325	1,63506	1,069873333	ENST00000600751	326342	NR_024075	EMR4P
A_33_P3330643	1,71798	1,62062	1,069814008	ENST00000538893	221458	NM_145027	KIF6
A_33_P3219146	4,64244	4,54509	1,069806593	ENST00000325113	113746	NM_001286136	ODF3
A_23_P47247	8,83718	8,73987	1,069776932	ENST00000528107	55346	NM_018393	TCP11L1
A_21_P0000765	1,7581	1,66083	1,069747272	ENST00000568095	100505776	NR_038325	LINC01541
A_22_P00009909	3,768	3,67074	1,069739857	N/A	N/A	N/A	Inc-MGAT5B-1
A_21_P0009004	1,78753	1,69029	1,069725028	N/A	N/A	N/A	Inc-ADCY9-1
A_21_P0012620	4,02285	3,92565	1,069695369	ENST00000504313	345051	XR_244736	LOC345051
A_21_P0008065	1,74308	1,64591	1,069673125	N/A	N/A	N/A	Inc-OLFM4-1
A_33_P3249224	1,72601	1,62884	1,069673125	ENST00000259407	570	NM_001701	BAAT
A_33_P3257330	7,00468	6,90751	1,069673125	ENST00000296955	285761	NM_173674	DCBLD1
A_21_P0000954	3,68643	3,58927	1,069665711	ENST00000435552	N/A	N/A	N/A
A_21_P0004929	1,76717	1,67001	1,069665711	N/A	N/A	N/A	Inc-NT5DC1-3
A_21_P0008963	1,69817	1,60104	1,069643468	N/A	N/A	N/A	Inc-CDH3-2

A_21_P0008532	1,78392	1,68679	1,069643468	ENST00000553386	N/A	N/A	N/A
A_33_P3365010	8,66223	8,56511	1,069636054	ENST00000468523	2005	NM_021795	ELK4
A_22_P00002177	3,07011	2,973	1,06962864	ENST00000584003	N/A	XR_430015	N/A
A_21_P0004842	1,77142	1,67431	1,06962864	N/A	101928331	N/A	LOC101928331
A_33_P3379941	12,0215	11,9244	1,069621226	ENST00000613459	22993	NM_014983	HMGXB3
A_23_P502425	13,2387	13,1416	1,069621226	ENST00000392659	57129	NM_020409	MRPL47
A_22_P00019498	1,72451	1,62746	1,069584156	ENST00000532071	N/A	BI519980	N/A
A_22_P00014461	2,45002	2,35298	1,069576742	ENST00000508847	N/A	N/A	N/A
A_23_P108075	1,8198	1,72276	1,069576742	ENST00000590490	56301	NM_019849	SLC7A10
A_23_P139965	3,14769	3,05066	1,069569329	ENST00000493476	387923	NM_001010897	SERP2
A_33_P3217517	7,73112	7,63413	1,069539674	ENST00000408966	116349	NR_126522	EXOC3-AS1
A_33_P3331376	7,69776	7,60079	1,069524848	ENST00000374632	2048	NM_004442	EPHB2
A_23_P65967	10,2411	10,1442	1,069472955	ENST00000570101	55238	NM_018231	SLC38A7
A_21_P0000894	4,5347	4,43786	1,069428478	ENST00000559285	100506686	NR_040055	IQCH-AS1
A_21_P0012813	1,73932	1,64249	1,069421065	ENST00000511346	N/A	N/A	N/A
A_22_P00010744	1,78237	1,68555	1,069413653	N/A	N/A	N/A	Inc-NIPSNAP1-1
A_21_P0009443	1,7382	1,64139	1,06940624	N/A	N/A	N/A	Inc-AP001496.1-12
A_33_P3374589	7,1287	7,03192	1,069384003	N/A	N/A	N/A	N/A
A_24_P865	6,04518	5,94841	1,06937659	ENST00000472713	387119	NM_206921	CEP85L
A_21_P0005955	1,70683	1,61011	1,069339529	ENST00000520060	N/A	N/A	N/A
A_32_P114896	10,7119	10,6152	1,069324705	ENST00000614328	10728	NM_006601	PTGES3
A_21_P0001433	5,04136	4,94472	1,069280234	N/A	N/A	N/A	Inc-RNF187-1
A_33_P3218013	5,08538	4,98875	1,069272822	N/A	N/A	N/A	N/A
A_33_P3219286	4,12042	4,02379	1,069272822	N/A	N/A	N/A	N/A
A_22_P00017853	1,80689	1,71027	1,069265411	N/A	N/A	N/A	Inc-ZCRB1-1
A_23_P80940	9,39488	9,29827	1,069257999	ENST00000425339	5471	NM_002703	PPAT
A_23_P402765	1,70648	1,60988	1,069250588	ENST00000359988	4892	NM_198060	NRAP
A_23_P63390	1,75398	1,65738	1,069250588	ENST00000466915	2210	NM_001017986	FCGR1B
A_22_P00003585	1,71419	1,6176	1,069243176	ENST00000508486	101928769	NR_105001	LOC101928769
A_23_P203888	6,56105	6,46447	1,069235765	ENST00000552872	4327	NM_002429	MMP19
A_19_P00316557	1,70673	1,61019	1,06920612	N/A	N/A	N/A	Inc-SNCA-2
A_33_P3242508	1,80893	1,7124	1,069198708	ENST00000395255	22891	NM_199450	ZNF365
A_21_P0012932	1,7913	1,69478	1,069191297	N/A	N/A	N/A	XLOC_I2_012323

A_23_P112061	11,4975	11,401	1,069176475	ENST00000379644	138050	NM_152419	HGSNAT
A_23_P41716	15,9854	15,8889	1,069176475	ENST00000508963	10399	NM_006098	GNB2L1
A_24_P935491	1,80881	1,71233	1,069161654	ENST00000304636	1281	NM_000090	COL3A1
A_22_P00005732	1,75635	1,65987	1,069161654	N/A	N/A	N/A	Inc-EMILIN1-1
A_21_P0010976	2,00152	1,90509	1,0691246	ENST00000533230	N/A	N/A	N/A
A_23_P106405	1,70555	1,60913	1,069117189	ENST00000331837	4692	NM_002487	NDN
A_21_P0005972	1,713	1,61659	1,069109779	N/A	N/A	N/A	Inc-KCNV1-2
A_24_P287043	15,7848	15,6884	1,069102368	ENST00000616316	10581	NM_006435	IFITM2
A_22_P00004377	2,88166	2,78529	1,069080137	N/A	N/A	N/A	Inc-COL6A2-1
A_21_P0004934	1,79758	1,70128	1,069028266	N/A	N/A	N/A	Inc-GJA1-3
A_33_P3306177	7,42806	7,33176	1,069028266	ENST00000513782	202018	NM_153365	TAPT1
A_23_P376449	10,0287	9,93241	1,069020856	ENST00000454614	N/A	N/A	N/A
A_24_P406939	1,82492	1,72866	1,068998627	ENST00000260276	64776	AK027152	C11orf1
A_23_P88691	7,74257	7,64632	1,068991217	ENST00000299565	1138	NM_000745	CHRNA5
A_33_P3258846	7,93621	7,83997	1,068983808	N/A	N/A	N/A	N/A
A_33_P3277060	3,38589	3,28967	1,068968988	N/A	N/A	N/A	N/A
A_23_P92895	10,4166	10,3204	1,068954169	ENST00000199814	55696	NM_018047	RBM22
A_22_P00016564	4,44572	4,34952	1,068954169	N/A	N/A	N/A	Inc-TNFRSF13B-4
A_33_P3405479	1,73589	1,63971	1,068939351	ENST00000568934	403257	NM_001005513	OR4C45
A_22_P00021892	1,71068	1,61455	1,068902305	N/A	N/A	DB094656	Inc-ERAP1-1
A_24_P24724	10,7027	10,6066	1,068880078	ENST00000436474	N/A	N/A	N/A
A_32_P190488	18,2072	18,1111	1,068880078	ENST00000472981	N/A	N/A	N/A
A_24_P807031	7,19327	7,09718	1,068872669	ENST00000439350	92270	NM_001017971	ATP6AP1L
A_33_P3735158	5,19961	5,10354	1,068857851	N/A	286272	AK093004	LOC286272
A_22_P00014577	1,7805	1,68445	1,068843034	N/A	100874222	NR_047001	RNF219-AS1
A_24_P85511	4,92328	4,82723	1,068843034	ENST00000376087	22852	NM_001256053	ANKRD26
A_22_P00010732	1,46905	1,37309	1,068776358	ENST00000555852	N/A	N/A	N/A
A_21_P0004994	1,79972	1,70377	1,06876895	N/A	N/A	N/A	Inc-ECI2-2
A_33_P3348872	1,71147	1,61557	1,06873191	ENST00000607632	63976	N/A	PRDM16
A_22_P00007594	10,1815	10,0856	1,06873191	N/A	N/A	N/A	Inc-HDDC3-1
A_21_P0008708	1,77515	1,67926	1,068724502	N/A	102723749	XR_429489	LOC102723749
A_24_P934387	1,92932	1,83344	1,068717094	ENST00000396005	159963	NM_178498	SLC5A12
A_23_P211584	4,75383	4,65796	1,068709686	ENST00000607293	91689	NM_033318	SMDT1

A_21_P0002660	1,74115	1,64529	1,068702279	N/A	N/A	N/A	Inc-SRBD1-3
A_22_P00019875	1,75182	1,65597	1,068694871	N/A	N/A	BI825590	Inc-ITSN2-2
A_22_P00019702	1,70927	1,61344	1,068680056	N/A	N/A	N/A	Inc-C8A-5
A_33_P3307840	1,70642	1,61059	1,068680056	ENST00000370958	57554	AF498274	LRRC7
A_22_P00007944	1,73939	1,64357	1,068672648	N/A	101929643	XR_241266	LOC101929643
A_23_P2317	5,382	5,28618	1,068672648	ENST00000421952	23109	NM_015086	DDN
A_33_P3308686	7,0857	6,9899	1,068657834	ENST00000438599	57545	NM_020785	CC2D2A
A_22_P00014073	1,81631	1,72053	1,068643019	N/A	N/A	N/A	Inc-SAMD3-1
A_33_P3377256	3,99383	3,89805	1,068643019	ENST00000332965	388906	NR_036498	OGFRP1
A_21_P0000403	1,70846	1,6127	1,068628204	N/A	767582	NR_003198	SNORD114-6
A_32_P325823	1,71175	1,616	1,068620797	ENST00000453496	100996634	NM_001277339	LOC100996634
A_22_P00012775	4,08162	3,98588	1,06861339	N/A	N/A	N/A	Inc-RALB-1
A_19_P00807507	4,14129	4,04555	1,06861339	N/A	N/A	N/A	Inc-MRGPRF-4
A_22_P00011954	2,72165	2,62594	1,068591169	N/A	N/A	N/A	Inc-PKMYT1-1
A_23_P160742	9,13211	9,03641	1,068583762	ENST00000495106	11146	NM_053274	GLMN
A_21_P0013303	10,3791	10,2834	1,068583762	ENST00000398921	641977	NR_024271	SEPT7P2
A_24_P332816	1,76988	1,67421	1,068561542	ENST00000512598	9699	NM_014677	RIMS2
A_22_P00022733	1,79408	1,69843	1,068546729	ENST00000412871	N/A	N/A	N/A
A_21_P0009239	1,74062	1,64499	1,068531916	N/A	N/A	N/A	Inc-TMEM132E-2
A_22_P00012324	1,79105	1,69544	1,068517103	ENST00000524008	N/A	N/A	N/A
A_22_P00023851	1,82306	1,72748	1,068494884	ENST00000521498	101928058	XM_006716242	LOC101928058
A_21_P0009541	1,71105	1,61548	1,068487478	N/A	101927757	XR_248470	LOC101927757
A_21_P0004363	1,78573	1,69019	1,068465259	N/A	N/A	N/A	Inc-C5orf49-2
A_33_P3665346	1,822	1,72647	1,068457853	ENST00000419022	5080	NM_000280	PAX6
A_21_P0007347	5,17473	5,07922	1,068443041	N/A	N/A	N/A	Inc-TP53I11-1
A_23_P34930	12,3423	12,2468	1,068435635	ENST00000485021	10286	NM_005872	BCAS2
A_19_P00322088	3,5092	3,41374	1,068406013	ENST00000598234	388210	N/A	LOC388210
A_19_P00802141	12,5818	12,4864	1,06836158	ENST00000379719	10527	NM_006391	IPO7
A_33_P3233700	4,67179	4,57639	1,06836158	N/A	100128675	NR_024561	HPN-AS1
A_33_P3335228	7,8972	7,80181	1,068354174	ENST00000396294	145282	NM_001195296	MIPOL1
A_21_P0011585	1,70663	1,61124	1,068354174	ENST00000567574	N/A	N/A	N/A
A_22_P00008511	1,76158	1,66622	1,068331959	ENST00000508736	25766	N/A	PRPF40B
A_21_P0011898	8,7121	8,61675	1,068324554	ENST00000617978	346288	NM_207366	set-14



A_33_P3402838	1,70607	1,61072	1,068324554	ENST00000599174	56936	NM_001271507	CCDC177
A_22_P00007704	1,7103	1,61495	1,068324554	ENST00000446115	100507489	NR_038987	LINC01277
A_22_P00021061	1,79323	1,6979	1,068309744	N/A	104502416	NR_126463	FOXP1-AS1
A_23_P57199	5,87777	5,78248	1,068280124	ENST00000335694	92086	NM_178311	GGTLC1
A_21_P0009715	1,70924	1,61395	1,068280124	N/A	N/A	N/A	Inc-ZNF30-2
A_23_P358564	1,74193	1,64664	1,068280124	ENST00000510627	134187	NM_153216	POU5F2
A_21_P0014909	8,40624	8,31098	1,06825791	N/A	N/A	N/A	N/A
A_21_P0007039	5,08083	4,98558	1,068250506	N/A	102725247	XR_432662	LOC102725247
A_23_P312901	1,70401	1,60879	1,068228292	ENST00000394143	139378	NM_153834	GPR112
A_21_P0002685	1,80774	1,71253	1,068220888	N/A	N/A	N/A	Inc-PDE1A-1
A_33_P3311653	8,35834	8,26314	1,068213484	ENST00000507766	23244	AK124569	PDS5A
A_22_P00002808	1,80083	1,70564	1,068206079	N/A	400960	NR_033872	PCBP1-AS1
A_23_P330301	1,70687	1,61173	1,068169059	ENST00000401401	221938	NM_198403	MMD2
A_33_P3342365	1,70452	1,60938	1,068169059	N/A	N/A	BX114156	N/A
A_23_P117464	1,70393	1,60881	1,068154251	ENST00000530140	122664	NM_173846	TPPP2
A_22_P00007761	4,51115	4,41608	1,068117232	N/A	100874372	XR_425917	ARHGAP26-IT1
A_33_P3462692	2,47648	2,38142	1,068109829	N/A	677836	BE467637	SNORA58
A_22_P00006330	1,72874	1,63368	1,068109829	ENST00000532380	102723378	NR_120583	LINC01495
A_22_P00021326	1,70194	1,60689	1,068102425	N/A	101928663	NR_110862	LOC101928663
A_21_P0001775	1,93917	1,84413	1,068095022	N/A	100507171	NR_045637	BOLA3-AS1
A_22_P00012039	1,78311	1,68808	1,068087618	N/A	N/A	N/A	Inc-PLEKHA8-3
A_33_P3365596	10,6341	10,5391	1,068065408	ENST00000377026	63908	NM_001283018	NAPB
A_24_P383999	15,1289	15,0339	1,068065408	ENST00000474167	6189	NM_001006	RPS3A
A_33_P3555009	11,2848	11,1898	1,068065408	N/A	102724105	NR_125345	ZNF528-AS1
A_23_P72697	4,76222	4,66725	1,068043198	ENST00000622500	338328	NM_178172	GPIHBP1
A_22_P00014746	8,58359	8,48862	1,068043198	ENST00000392844	23595	NM_012381	ORC3
A_33_P3269359	9,12714	9,03217	1,068043198	ENST00000353487	121665	NM_139015	SPPL3
A_22_P00016701	1,78808	1,69312	1,068035795	ENST00000417794	N/A	R84760	N/A
A_21_P0002754	1,76623	1,67128	1,068028392	ENST00000461528	N/A	N/A	N/A
A_33_P3214061	1,73712	1,64224	1,067976573	N/A	729176	NR_003954	KATNBL1P6
A_23_P304356	1,88736	1,79248	1,067976573	ENST00000546910	23601	NM_013252	CLEC5A
A_22_P00008227	1,70172	1,60684	1,067976573	ENST00000553211	N/A	BI767423	N/A
A_22_P00009857	1,80274	1,70788	1,067961767	N/A	N/A	N/A	Inc-METTL22-2

A_23_P383278	9,23534	9,14049	1,067954365	ENST00000220966	65263	NM_023078	PYCRL
A_33_P3312366	7,86452	7,76968	1,067946962	ENST00000436282	8940	NM_003935	TOP3B
A_21_P0009887	1,78773	1,6929	1,06793956	ENST00000455890	N/A	N/A	N/A
A_21_P0009255	2,44652	2,35172	1,067917353	N/A	N/A	N/A	Inc-LUC7L3-1
A_21_P0013380	1,72522	1,63042	1,067917353	ENST00000418297	N/A	N/A	N/A
A_21_P0010573	1,80298	1,70822	1,067887744	ENST00000442684	N/A	N/A	N/A
A_23_P11353	11,8321	11,7374	1,067843333	ENST00000378438	10159	NM_005765	ATP6AP2
A_33_P3341656	10,9924	10,8977	1,067843333	ENST00000348159	4209	NM_005920	MEF2D
A_23_P8522	10,5922	10,4975	1,067843333	ENST00000396668	54664	NM_018374	TMEM106B
A_23_P129513	13,083	12,9883	1,067843333	ENST00000441883	10573	NM_006428	MRPL28
A_22_P00010162	3,23151	3,13683	1,06782853	ENST00000453189	23234	AK094284	DNAJC9
A_23_P160881	6,82419	6,72952	1,067821128	ENST00000373888	27293	NM_001009568	SMPDL3B
A_21_P0011226	5,57982	5,48517	1,067806325	ENST00000451826	100874188	N/A	LINC00571
A_21_P0007612	1,76882	1,6742	1,067784121	N/A	N/A	N/A	Inc-NEDD1-2
A_21_P0007040	1,71831	1,6237	1,06777672	N/A	N/A	N/A	Inc-TTC40-3
A_23_P77310	11,0942	10,9996	1,067769318	ENST00000263805	64397	NM_022473	ZNF106
A_22_P00005808	1,77222	1,67763	1,067761917	ENST00000404689	N/A	N/A	N/A
A_33_P3851023	1,73842	1,64383	1,067761917	ENST00000554738	9369	NM_004796	NRXN3
A_21_P0009423	3,21743	3,12289	1,067724912	ENST00000567801	100996669	NR_103449	LINC01544
A_21_P0009437	1,87144	1,77691	1,067717511	N/A	N/A	N/A	Inc-ADCYAP1-1
A_33_P3299705	13,6096	13,5151	1,067695309	ENST00000399336	N/A	N/A	N/A
A_23_P123866	11,076	10,9815	1,067695309	ENST00000359544	51271	NM_016525	UBAP1
A_22_P00010378	1,79939	1,70494	1,067658306	N/A	N/A	N/A	Inc-MYL10-2
A_33_P3321324	2,53141	2,43699	1,067636105	N/A	642691	AK095105	FLJ37786
A_33_P3220247	4,3476	4,25318	1,067636105	ENST00000618326	117854	NM_001003818	TRIM6
A_23_P98431	13,4998	13,4054	1,067621304	ENST00000537841	3145	NM_000190	HMBS
A_33_P3249877	6,90986	6,81548	1,067606504	ENST00000331471	144453	NM_001282614	BEST3
A_23_P45592	1,70502	1,61064	1,067606504	ENST00000426035	84673	NR_001533	TTY8
A_21_P0001512	1,72269	1,62832	1,067599104	N/A	101930559	N/A	LOC101930559
A_33_P3367889	1,71256	1,6182	1,067591704	N/A	100130657	AK126078	LOC100130657
A_22_P00013582	1,82313	1,7288	1,067569504	N/A	N/A	N/A	Inc-RP11-467M13.1.1-3
A_32_P218228	7,9866	7,89229	1,067554705	ENST00000321753	150368	NM_001002034	FAM109B
A_21_P0005481	1,70024	1,60593	1,067554705	N/A	N/A	N/A	Inc-HNRNPA2B1-2

A_22_P00004898	1,78037	1,68607	1,067547305	ENST00000545498	N/A	AK093552	N/A
A_33_P3584591	1,70801	1,61373	1,067532506	N/A	337875	BQ880825	HIST2H2BA
A_22_P00017811	1,8978	1,80358	1,067488109	ENST00000424181	N/A	N/A	N/A
A_33_P3315074	6,55343	6,45923	1,067473311	N/A	N/A	N/A	N/A
A_33_P3379326	2,06193	1,96775	1,067458513	ENST00000355282	4481	NM_138715	MSR1
A_33_P3322999	1,70984	1,61568	1,067443715	ENST00000398786	414152	NM_001164375	C10orf105
A_22_P00019004	1,82036	1,72621	1,067436316	ENST00000440858	N/A	N/A	N/A
A_23_P55123	8,11752	8,02338	1,067428917	ENST00000261643	1352	NM_001303	COX10
A_21_P0007112	1,6994	1,60526	1,067428917	N/A	N/A	N/A	lnc-PANK1-3
A_33_P3336014	1,79462	1,70049	1,067421518	ENST00000342927	401992	NM_001004136	OR2T2
A_24_P91405	8,48468	8,39056	1,067414119	ENST00000397732	163051	NM_152601	ZNF709
A_21_P0009270	1,78422	1,6901	1,067414119	ENST00000419257	101928205	NR_110827	LOC101928205
A_22_P00020335	6,42183	6,32772	1,067406721	N/A	100288181	NR_038925	LOC100288181
A_22_P00003866	1,74209	1,64799	1,067399322	N/A	N/A	N/A	lnc-CELF4-4
A_22_P00011154	1,72788	1,63378	1,067399322	N/A	N/A	DB084126	lnc-OBFC2A-4
A_33_P3267435	1,69947	1,60539	1,067384525	ENST00000521245	286135	NR_024473	FAM183CP
A_21_P0012325	1,79069	1,69661	1,067384525	ENST00000450750	N/A	N/A	N/A
A_21_P0014120	8,54034	8,44626	1,067384525	N/A	100507291	NR_121608	LOC100507291
A_23_P80839	9,0152	8,92114	1,067369728	ENST00000318631	79929	NM_024871	MAP6D1
A_33_P3238543	7,27881	7,18479	1,067340134	N/A	92659	NR_015454	MAFG-AS1
A_23_P208493	1,78116	1,68714	1,067340134	ENST00000493242	10288	NM_005874	LILRB2
A_21_P0005364	1,6976	1,60365	1,067288348	N/A	N/A	N/A	lnc-EVX1-2
A_24_P336983	4,28366	4,18973	1,067273552	ENST00000490786	92291	NM_144575	CAPN13
A_22_P00007818	1,59186	1,49795	1,067258757	ENST00000438963	N/A	BC040331	N/A
A_32_P123088	8,51385	8,41994	1,067258757	ENST00000514548	100302736	NM_001164468	TMED7-TICAM2
A_21_P0013406	1,71183	1,61795	1,067236564	ENST00000424515	101928283	N/A	LOC101928283
A_33_P3399474	4,95027	4,85639	1,067236564	N/A	N/A	N/A	N/A
A_32_P92489	1,70342	1,60957	1,067214372	ENST00000525539	114780	NM_052892	PKD1L2
A_24_P772436	1,70584	1,61202	1,06719218	N/A	100189589	NR_024463	DCTN1-AS1
A_23_P201672	12,0079	11,9141	1,067177386	ENST00000361735	51603	NM_015935	METTL13
A_22_P00012923	4,96705	4,87325	1,067177386	ENST00000454467	102724601	NR_121197	LOC102724601
A_21_P0002322	1,7963	1,70251	1,067169989	N/A	N/A	N/A	lnc-AGPS-1
A_21_P0002256	6,78689	6,69314	1,067140401	N/A	N/A	N/A	lnc-THNSL2-1

A_22_P00025495	1,70848	1,61477	1,067110814	N/A	N/A	N/A	Inc-NPFFR2-1
A_33_P3337242	9,4917	9,398	1,067103417	ENST00000513680	84062	NM_001271667	DTNBP1
A_23_P369746	6,62075	6,52714	1,06703685	N/A	N/A	AF161372	N/A
A_21_P0012154	1,80365	1,71006	1,067022058	ENST00000431181	N/A	N/A	N/A
A_21_P0010332	1,71914	1,62558	1,06699987	ENST00000422917	101929350	XR_244341	LOC101929350
A_33_P3334108	8,21515	8,12162	1,066977682	ENST00000416904	283337	NM_001004304	ZNF740
A_22_P00013898	1,70499	1,61148	1,066962891	N/A	N/A	N/A	Inc-RPS23-1
A_24_P383581	12,6389	12,5454	1,066955495	ENST00000309324	125988	NM_205767	C19orf70
A_23_P84651	15,0384	14,9449	1,066955495	ENST00000441626	7555	NM_003418	CNBP
A_23_P70583	9,43776	9,34427	1,0669481	ENST00000476725	6293	NM_022553	VPS52
A_33_P3213892	1,70008	1,60661	1,066933309	ENST00000447207	63977	NM_001282934	PRDM15
A_21_P0002342	4,11265	4,01919	1,066925913	N/A	N/A	N/A	Inc-SPAG16-4
A_23_P170050	1,8245	1,73106	1,066911123	ENST00000589109	6014	NM_002930	RIT2
A_23_P67103	1,70441	1,61098	1,066903728	ENST00000269834	114026	NM_052882	ZIM3
A_22_P00014308	1,69716	1,60373	1,066903728	ENST00000554033	N/A	N/A	N/A
A_33_P3378061	1,79942	1,70607	1,066844568	ENST00000275763	340351	NM_178563	AGBL3
A_19_P00320785	1,70666	1,61335	1,066814989	ENST00000431057	N/A	N/A	N/A
A_21_P0010458	3,95856	3,86527	1,0668002	N/A	N/A	N/A	Inc-C22orf34-1
A_24_P22939	8,68515	8,59188	1,066785411	ENST00000590440	339366	NM_213604	ADAMTSL5
A_22_P00015244	2,87223	2,77898	1,066770622	N/A	N/A	DA858050	Inc-SPAG1-3
A_21_P0003924	1,71677	1,62354	1,066755834	ENST00000612030	N/A	N/A	N/A
A_22_P00014891	1,72896	1,63576	1,066733651	ENST00000504369	N/A	N/A	N/A
A_22_P00009693	1,80583	1,71266	1,066711469	N/A	102724609	XR_425979	LOC102724609
A_22_P00010315	3,80723	3,71412	1,066667107	N/A	N/A	AK094115	Inc-MUC20-4
A_32_P135818	14,4422	14,3491	1,066659713	ENST00000487100	6189	NM_001006	RPS3A
A_33_P3258546	5,81573	5,72264	1,06665232	ENST00000614258	56143	NM_031501	PCDHA5
A_33_P3361352	1,59964	1,50655	1,06665232	N/A	729296	N/A	LOC729296
A_33_P3499046	1,86932	1,77624	1,066644927	N/A	N/A	AF130850	N/A
A_23_P131299	9,23235	9,13928	1,066637533	ENST00000489197	130617	NM_138802	ZFAND2B
A_22_P00000721	1,70605	1,61304	1,066593174	N/A	N/A	BC050287	Inc-ADAMTS18-4
A_22_P00001288	4,53989	4,44692	1,066563602	N/A	N/A	N/A	Inc-ANKUB1-1
A_24_P132950	9,22856	9,1356	1,066556209	ENST00000492594	4676	NM_005969	NAP1L4
A_33_P3815935	2,70012	2,60717	1,066548816	N/A	N/A	N/A	N/A

A_23_P397468	1,91864	1,82569	1,066548816	ENST00000423932	26476	NM_012351	OR10J1
A_22_P00016228	7,32598	7,23303	1,066548816	N/A	N/A	N/A	Inc-TM9SF2-2
A_33_P3367577	4,3111	4,21817	1,066534031	ENST00000397520	56478	DQ656044	EIF4ENIF1
A_21_P0013058	1,70776	1,61484	1,066526638	N/A	N/A	N/A	XLOC_I2_012847
A_33_P3380126	4,02989	3,93698	1,066519246	ENST00000355329	283385	NM_173855	MORN3
A_21_P0005117	7,60186	7,50896	1,066511853	ENST00000607287	N/A	N/A	N/A
A_21_P0013209	1,72473	1,63183	1,066511853	ENST00000450544	N/A	N/A	N/A
A_21_P0012076	1,71991	1,62701	1,066511853	N/A	102724774	XR_425446	LOC102724774
A_21_P0008931	1,74305	1,65017	1,066497068	N/A	102724847	XR_424700	LOC102724847
A_24_P140569	1,6992	1,60632	1,066497068	ENST00000274711	26045	NM_015564	LRRTM2
A_33_P3359683	6,68524	6,59237	1,066489676	ENST00000559383	3603	NM_001172128	IL16
A_33_P3250865	1,70795	1,6151	1,066474891	ENST00000281581	729665	N/A	CCDC175
A_22_P00011531	1,71338	1,62053	1,066474891	ENST00000455541	N/A	N/A	N/A
A_33_P3371425	5,35872	5,26588	1,066467499	ENST00000494537	57190	NM_020451	SEPN1
A_23_P129556	14,6854	14,5926	1,066437931	ENST00000170630	3566	NM_000418	IL4R
A_33_P3345831	1,80106	1,70828	1,066423147	ENST00000381210	253017	NM_001010874	TECRL
A_21_P0006152	1,73666	1,64394	1,066378797	N/A	N/A	N/A	Inc-ANXA1-1
A_24_P206121	8,65462	8,56191	1,066371405	ENST00000521859	3779	NM_004137	KCNMB1
A_23_P91221	9,30181	9,2091	1,066371405	ENST00000372889	11142	NM_181805	PKIG
A_21_P0014769	1,78722	1,69451	1,066371405	N/A	N/A	N/A	N/A
A_21_P0002618	1,79141	1,6987	1,066371405	N/A	N/A	N/A	Inc-CERS6-1
A_21_P0006205	1,80441	1,71171	1,066364014	N/A	N/A	N/A	Inc-RAD23B-6
A_21_P0006130	1,72633	1,63364	1,066356622	N/A	N/A	N/A	Inc-DMRTA1-7
A_21_P0014184	6,83496	6,74229	1,066341839	N/A	N/A	N/A	Inc-GLCCI1-2
A_33_P3362826	1,72342	1,63075	1,066341839	ENST00000274361	256006	N/A	ANKRD31
A_21_P0003697	1,69556	1,60289	1,066341839	N/A	N/A	N/A	Inc-ZFP42-2
A_21_P0011943	1,78627	1,6936	1,066341839	N/A	N/A	N/A	XLOC_I2_008190
A_22_P00010642	1,72927	1,63662	1,066327057	ENST00000548886	196475	NR_024037	RMST
A_21_P0007489	1,71202	1,6194	1,066304883	ENST00000504409	100507616	XR_110328	LOC100507616
A_23_P215060	15,5927	15,5001	1,066290101	ENST00000446198	5420	NM_001018111	PODXL
A_33_P3209005	3,84123	3,74869	1,066245757	N/A	55634	AK097159	KRBOX4
A_23_P399834	1,70598	1,61346	1,066230975	ENST00000342929	126204	NM_176810	NLRP13
A_21_P0007953	1,7011	1,60859	1,066223585	ENST00000424926	100874137	N/A	LINC00351

A_24_P351420	11,0929	11,0004	1,066216194	ENST00000424952	51304	NM_016598	ZDHC3
A_33_P3280729	1,70897	1,61648	1,066208804	ENST00000558583	729993	NM_001145204	SHISA9
A_21_P0004435	1,79591	1,70342	1,066208804	N/A	N/A	N/A	Inc-PPIC-2
A_24_P517901	9,5683	9,47585	1,066179243	ENST00000450405	3178	NM_002136	HNRNPA1
A_22_P00000914	1,72505	1,63264	1,066149682	N/A	N/A	N/A	Inc-AK3-1
A_21_P0003961	1,69839	1,60599	1,066142293	ENST00000510622	N/A	N/A	N/A
A_23_P158257	1,78167	1,68934	1,066090564	N/A	26582	NM_012148	DUX3
A_33_P3244122	1,72595	1,63362	1,066090564	ENST00000294973	23498	NM_012205	HAAO
A_22_P00003266	1,90006	1,80774	1,066083175	ENST00000557622	N/A	DA107906	N/A
A_21_P0000748	9,21404	9,12173	1,066075785	N/A	100506963	NR_038280	TCEB3-AS1
A_21_P0006832	1,52951	1,43724	1,066046228	N/A	N/A	N/A	Inc-ITIH2-4
A_22_P00007059	1,73372	1,64145	1,066046228	ENST00000529922	N/A	N/A	N/A
A_21_P0008411	1,78459	1,69234	1,066031449	N/A	N/A	N/A	Inc-NOVA1-1
A_21_P0007396	1,72496	1,63271	1,066031449	N/A	N/A	N/A	Inc-RDX-1
A_22_P00022781	1,71658	1,62434	1,06602406	ENST00000532562	N/A	BX115137	N/A
A_33_P3304452	1,69668	1,60446	1,066009282	N/A	N/A	AK123156	Inc-NCOA5-1
A_33_P3379701	1,70386	1,61164	1,066009282	N/A	55521	BC017346	TRIM36
A_21_P0011288	5,13861	5,04641	1,065994504	ENST00000556034	473	NM_012102	RERE
A_23_P69493	13,8375	13,7453	1,065994504	ENST00000418115	387	NM_001664	RHOA
A_33_P3269380	5,99202	5,89986	1,065964949	N/A	N/A	N/A	N/A
A_33_P3421595	1,70504	1,61291	1,065942783	ENST00000303798	408029	NM_214461	C2orf27B
A_22_P00004514	1,69699	1,60488	1,065928006	N/A	N/A	BC042044	Inc-CPVL-3
A_22_P00003754	1,7474	1,6553	1,065920617	ENST00000510512	N/A	N/A	N/A
A_32_P800799	1,77978	1,68769	1,065913229	ENST00000394973	170850	NM_133329	KCNG3
A_33_P3423230	1,70191	1,60983	1,065905841	ENST00000373034	57526	NM_001184880	PCDH19
A_22_P00005586	1,77982	1,68774	1,065905841	ENST00000502287	N/A	N/A	N/A
A_21_P0011171	1,85915	1,76708	1,065898453	N/A	N/A	N/A	XLOC_I2_003886
A_22_P00010917	1,71253	1,62049	1,065876288	N/A	N/A	N/A	Inc-NPY5R-4
A_33_P3302563	1,75003	1,658	1,0658689	N/A	100129408	AK127916	LOC100129408
A_21_P0002465	1,78582	1,69382	1,065846736	N/A	N/A	N/A	Inc-REG1B-1
A_21_P0007511	1,70426	1,61227	1,065839348	N/A	N/A	N/A	Inc-WNK1-1
A_21_P0006563	1,69798	1,60601	1,065824573	ENST00000617377	340554	N/A	ZC3H12B
A_21_P0002472	1,6975	1,60554	1,065817185	N/A	N/A	N/A	Inc-AC233263.1-1

A_33_P3344297	1,71304	1,62108	1,065817185	N/A	N/A	N/A	N/A
A_24_P276888	7,95902	7,86707	1,065809797	ENST00000260662	79172	NM_001199803	CENPO
A_22_P00017813	1,74384	1,65189	1,065809797	N/A	N/A	N/A	Inc-ZBTB4-1
A_22_P00010564	1,72452	1,63258	1,06580241	ENST00000583827	N/A	DB184526	N/A
A_33_P3214844	1,76291	1,67097	1,06580241	ENST00000603639	4703	NM_001164507	NEB
A_33_P3423375	1,81389	1,72196	1,065795022	ENST00000345043	340980	NM_001005162	OR52B6
A_23_P29965	1,78866	1,69674	1,065787635	ENST00000614072	10879	NM_006685	SMR3B
A_23_P409553	7,53546	7,44356	1,06577286	ENST00000325658	5494	NM_177951	PPM1A
A_23_P205164	1,73812	1,64627	1,065735924	ENST00000377208	5457	NM_006237	POU4F1
A_22_P00023246	1,80341	1,71158	1,065721149	N/A	101928700	NR_110829	LOC101928700
A_22_P00016999	1,69983	1,60801	1,065713762	N/A	N/A	N/A	Inc-TTC30A-1
A_21_P0004602	1,72255	1,63073	1,065713762	ENST00000441184	100287366	XR_110208	OSTM1-AS1
A_21_P0010528	1,79134	1,69952	1,065713762	N/A	N/A	N/A	XL0C_I2_000196
A_33_P3226357	1,70033	1,60851	1,065713762	ENST00000375123	2304	NM_004473	FOX1
A_24_P350261	1,70887	1,61707	1,065698989	ENST00000535352	100505993	NM_001282477	TMEM210
A_33_P3340862	16,0708	15,979	1,065698989	ENST00000378821	643965	NM_001146685	TMEM88B
A_33_P3338011	8,71582	8,62404	1,065684215	ENST00000335090	147657	NM_144684	ZNF480
A_24_P67585	6,07259	5,98081	1,065684215	ENST00000383698	389136	NM_016206	VGLL3
A_23_P251232	8,21627	8,1245	1,065676828	ENST00000331787	83869	NR_001543	TTY14
A_23_P90014	10,0255	9,93373	1,065676828	ENST00000598626	56927	NM_001080452	GPR108
A_22_P00002914	1,69594	1,60418	1,065669442	ENST00000562632	N/A	BC036004	N/A
A_22_P00020589	2,56764	2,47593	1,065632509	N/A	N/A	N/A	Inc-STYX-2
A_22_P00014620	16,2469	16,1552	1,065625123	ENST00000449572	100996702	NR_103746	LINC01356
A_33_P3301851	14,3669	14,2752	1,065625123	ENST00000309100	4296	NM_002419	MAP3K11
A_33_P3377529	3,20314	3,11144	1,065625123	ENST00000428284	3201	NM_002141	HOXA4
A_22_P00002376	1,70099	1,6093	1,065617736	N/A	N/A	BX089237	Inc-C12orf66-3
A_21_P0014569	1,71739	1,62574	1,065588191	ENST00000553095	N/A	BX108644	N/A
A_33_P3867534	7,94395	7,85234	1,065558647	ENST00000378694	55388	NM_182751	MCM10
A_22_P00019169	1,70347	1,61189	1,06553649	N/A	N/A	BU154835	Inc-SIX6-1
A_22_P00005486	1,71945	1,62791	1,065506947	ENST00000538573	100507175	DA498870	LOC100507175
A_21_P0004069	1,76858	1,67704	1,065506947	ENST00000514942	N/A	N/A	N/A
A_22_P00007265	7,13275	7,04122	1,065499562	N/A	N/A	N/A	Inc-GPR15-1
A_22_P00007831	1,70492	1,6134	1,065492176	N/A	N/A	BX088963	Inc-HPGDS-2

A_22_P00004031	3,19077	3,09929	1,065462635	N/A	N/A	N/A	Inc-CHRA1-1
A_22_P00001682	1,71094	1,61946	1,065462635	N/A	N/A	BU178787	Inc-ASTE1-2
A_24_P194688	1,75515	1,66367	1,065462635	ENST00000318063	286097	NM_181723	MICU3
A_23_P146855	3,38456	3,29314	1,065418325	ENST00000443721	758	NM_001044370	MPPED1
A_21_P0005356	1,70065	1,60924	1,06541094	N/A	101927524	N/A	MEOX2-AS1
A_33_P3298850	1,69962	1,60821	1,06541094	ENST00000320521	23539	NM_013356	SLC16A8
A_23_P139260	12,3801	12,2887	1,065403555	ENST00000449603	5002	NM_183233	SLC22A18
A_21_P0004999	1,71674	1,62534	1,065403555	N/A	102724379	XR_425970	LOC102724379
A_23_P90997	5,6658	5,57441	1,06539617	ENST00000319460	150677	NM_148961	OTOS
A_33_P3277532	1,70788	1,61652	1,065374016	ENST00000480883	10319	NM_006059	LAMC3
A_21_P0008345	1,71212	1,62077	1,065366632	N/A	N/A	N/A	Inc-DAAM1-1
A_22_P00002453	1,80909	1,71776	1,065351863	ENST00000568541	N/A	N/A	N/A
A_23_P207201	1,81215	1,72083	1,065344478	ENST00000349817	974	NM_001039933	CD79B
A_23_P373742	1,70809	1,61678	1,065337094	ENST00000332517	339976	NM_178556	TRIML1
A_23_P9061	16,4855	16,3942	1,065329709	ENST00000611080	8667	NM_003756	EIF3H
A_24_P304449	9,99442	9,90314	1,065314941	ENST00000228506	9761	D63486	MLEC
A_22_P00011822	1,69451	1,60324	1,065307557	ENST00000451755	N/A	N/A	N/A
A_22_P00002804	6,03003	5,93876	1,065307557	N/A	N/A	AK056822	Inc-C2orf42-3
A_33_P3324695	1,82195	1,73069	1,065300173	ENST00000536666	100506393	NR_040098	LOC100506393
A_33_P3355703	2,93505	2,8438	1,065292789	ENST00000399206	283551	NR_126498	LINC01588
A_33_P3626709	3,58101	3,48977	1,065285405	N/A	100129280	AK126613	LOC100129280
A_21_P0013478	1,78884	1,6976	1,065285405	N/A	N/A	N/A	XLOC_I2_014197
A_24_P238040	1,70154	1,61032	1,065270637	ENST00000357482	9098	BC029495	USP6
A_32_P158966	1,78361	1,6924	1,065263253	ENST00000616259	51348	NM_016523	KLRF1
A_33_P3363854	1,69748	1,60627	1,065263253	ENST00000305754	26343	AB529251	OR5E1P
A_22_P00014361	12,4114	12,3202	1,065255869	ENST00000621358	51503	NM_016403	CWC15
A_23_P76598	12,6628	12,5716	1,065255869	ENST00000382374	221154	NM_152726	MICU2
A_23_P20777	11,7789	11,6877	1,065255869	ENST00000483428	92400	NM_033117	RBM18
A_23_P159305	12,7584	12,6672	1,065255869	ENST00000604841	8148	NM_139215	TAF15
A_22_P00016636	1,8035	1,7123	1,065255869	ENST00000521456	N/A	N/A	N/A
A_23_P39790	1,8552	1,764	1,065255869	ENST00000410009	50489	NM_015717	CD207
A_21_P0014828	1,79615	1,70496	1,065248485	N/A	N/A	N/A	N/A
A_33_P3250338	1,78476	1,69357	1,065248485	ENST00000614082	196385	BC144575	DNAH10



A_23_P100704	9,96756	9,87638	1,065241101	ENST00000570306	5598	NM_139033	MAPK7
A_21_P0001049	1,69171	1,60055	1,065226334	ENST00000427825	N/A	N/A	N/A
A_33_P3412563	1,71242	1,62126	1,065226334	ENST00000433048	442720	NR_003024	EIF3IP1
A_24_P31275	3,79243	3,70129	1,065211567	ENST00000250111	482	NM_001678	ATP1B2
A_22_P00015410	4,84154	4,75042	1,0651968	N/A	N/A	N/A	Inc-SRR-2
A_21_P0009506	1,80222	1,71111	1,065189417	N/A	N/A	N/A	Inc-GALR1-1
A_33_P3565067	1,69338	1,60229	1,06517465	ENST00000569275	401613	NR_033974	LINC00890
A_23_P124514	3,50625	3,4152	1,065145118	ENST00000418306	1740	NM_001364	DLG2
A_33_P3262276	1,70945	1,61841	1,065137735	ENST00000326258	121364	NM_001005280	OR10A7
A_23_P130836	7,40356	7,31252	1,065137735	ENST00000264553	3004	NM_005317	GZMM
A_23_P252276	3,86564	3,77461	1,065130352	ENST00000265154	54848	NM_017700	ARHGEF38
A_23_P410110	6,27255	6,18152	1,065130352	ENST00000298298	220979	NM_001039380	C10orf25
A_33_P3360833	1,706	1,61497	1,065130352	N/A	132141	BC034228	IQCF1
A_22_P00001576	2,61399	2,52296	1,065130352	ENST00000444926	N/A	N/A	N/A
A_21_P0000043	1,69471	1,60369	1,065122969	ENST00000444335	100288323	NM_001164435	KRTAP21-3
A_22_P00020445	5,45985	5,36883	1,065122969	N/A	N/A	N/A	Inc-C8orf48-3
A_22_P00022689	1,81713	1,72611	1,065122969	N/A	N/A	N/A	Inc-SENP6-2
A_22_P00020701	9,91728	9,8263	1,065093438	N/A	N/A	N/A	Inc-SLC22A12-2
A_33_P3248586	6,227	6,13603	1,065086055	ENST00000425409	100288687	NM_001293798	DUX4
A_33_P3215635	1,69727	1,6063	1,065086055	ENST00000368476	1141	NM_000748	CHRNA2
A_23_P82762	3,68242	3,59147	1,06507129	ENST00000398612	169270	NM_001042416	ZNF596
A_32_P133072	1,87801	1,78707	1,065063908	ENST00000576479	10418	NM_006108	SPON1
A_33_P3321796	5,2962	5,20527	1,065056525	N/A	N/A	DB153536	N/A
A_24_P936122	12,925	12,8341	1,065034378	ENST00000359617	8675	NM_001001433	STX16
A_19_P00808668	11,8813	11,7904	1,065034378	ENST00000296490	80335	NM_025222	WDR82
A_22_P00018185	1,71128	1,62039	1,065026996	ENST00000519703	N/A	AA215598	N/A
A_22_P00014568	5,00096	4,91012	1,064990086	N/A	N/A	N/A	Inc-SKIV2L2-1
A_24_P940666	6,21511	6,12427	1,064990086	N/A	5469	NM_004774	MED1
A_22_P00022309	3,31325	3,22243	1,064975322	ENST00000369572	63914	BC032824	C6orf164
A_22_P00008953	1,70552	1,61471	1,06496794	ENST00000382167	387742	NR_026643	FAM99A
A_21_P0001458	1,70263	1,61182	1,06496794	N/A	N/A	N/A	Inc-MMEL1-1
A_33_P3319026	10,302	10,2112	1,064960558	ENST00000370798	26009	NM_015534	ZZZ3
A_21_P0006014	1,78105	1,69025	1,064960558	N/A	N/A	N/A	Inc-CBWD3-1

A_22_P00019314	1,76551	1,67471	1,064960558	N/A	N/A	N/A	Inc-N4BP2L2-1
A_33_P3386203	1,72278	1,632	1,064945795	ENST00000330500	127069	NM_001004693	OR2T10
A_23_P344444	1,69596	1,60519	1,064938413	ENST00000284142	127247	NM_080868	ASB17
A_23_P153155	1,8176	1,72687	1,064908887	ENST00000299727	2587	NM_001480	GALR1
A_33_P3353485	1,70124	1,61051	1,064908887	N/A	N/A	EG327398	N/A
A_22_P00005615	1,79094	1,70022	1,064901506	ENST00000508853	101929745	XR_241755	LOC101929745
A_21_P0000399	1,69291	1,6022	1,064894125	N/A	767578	NR_003194	SNORD114-2
A_33_P3284039	1,70305	1,61235	1,064886743	N/A	N/A	N/A	N/A
A_22_P00015132	1,69077	1,6001	1,0648646	N/A	100873933	NR_046591	DPYD-AS2
A_22_P00009730	1,7204	1,62975	1,064849838	N/A	N/A	N/A	Inc-MCTP2-9
A_21_P0012444	1,79449	1,70386	1,064835076	ENST00000498432	285286	N/A	LINC00877
A_21_P0000976	1,71426	1,62366	1,064812934	ENST00000424357	N/A	N/A	N/A
A_33_P3362933	8,80032	8,70975	1,064790792	ENST00000508337	2993	NM_002099	GYPA
A_22_P00023054	1,70267	1,61212	1,064776031	ENST00000452909	N/A	N/A	N/A
A_23_P170453	12,5091	12,4186	1,064739129	ENST00000304710	1473	NM_001900	CST5
A_21_P0006645	1,71369	1,62319	1,064739129	ENST00000448835	101928150	N/A	LOC101928150
A_23_P134085	10,1801	10,0896	1,064739129	ENST00000607772	154043	NM_173515	CNKSR3
A_23_P161338	13,7679	13,6774	1,064739129	ENST00000373232	5464	NM_021129	PPA1
A_33_P3227300	1,71587	1,62541	1,064709609	N/A	N/A	N/A	N/A
A_33_P3299250	1,70681	1,61635	1,064709609	ENST00000435568	N/A	N/A	N/A
A_19_P00321831	1,69103	1,60058	1,064702229	ENST00000596718	400680	AK097381	LINC00664
A_22_P00022357	3,70108	3,61063	1,064702229	N/A	N/A	AL833420	Inc-FAM82A2-1
A_23_P133338	3,9883	3,89786	1,064694849	ENST00000416365	54825	NM_017675	CDHR2
A_22_P00008879	1,79278	1,70234	1,064694849	N/A	N/A	N/A	Inc-KLHL25-5
A_22_P00022485	1,7131	1,62268	1,064680089	N/A	N/A	N/A	Inc-CACNG5-1
A_22_P00003000	1,71971	1,62931	1,064665329	N/A	N/A	N/A	Inc-C6orf225-1
A_21_P0011676	1,76774	1,67735	1,06465795	N/A	N/A	N/A	XLOC_I2_006621
A_22_P00015213	1,71302	1,62266	1,064635811	N/A	101929387	NR_110945	LMF1-AS1
A_21_P0008169	1,73043	1,64007	1,064635811	N/A	N/A	N/A	Inc-DIAPH3-5
A_22_P00020497	1,80291	1,71256	1,064628432	N/A	N/A	N/A	Inc-ZNF438-1
A_24_P921327	1,72909	1,63874	1,064628432	ENST00000505317	202018	AF189251	TAPT1
A_23_P2920	6,11693	6,02659	1,064621052	ENST00000393078	12	NM_001085	SERPINA3
A_21_P0009750	1,78587	1,69556	1,064598914	ENST00000595893	7644	N/A	ZNF91

A_33_P3261084	10,956	10,8657	1,064591535	ENST00000491065	3420	NM_174855	IDH3B
A_23_P425880	10,9133	10,823	1,064591535	ENST00000512070	7204	NM_007118	TRIO
A_23_P14284	14,5872	14,4969	1,064591535	ENST00000216456	10490	NM_006370	VTI1B
A_21_P0013695	8,11677	8,02652	1,06455464	N/A	100506710	N/A	EBLN3
A_22_P00023485	1,68932	1,59909	1,064539882	ENST00000450247	N/A	N/A	N/A
A_33_P3280597	7,38613	7,29592	1,064525124	ENST00000244070	N/A	N/A	N/A
A_33_P3284646	12,2154	12,1252	1,064517746	ENST00000530142	26233	NM_012162	FBXL6
A_33_P3241021	1,70292	1,61273	1,064510367	ENST00000416624	969	AK303383	CD69
A_21_P0011874	5,03866	4,94847	1,064510367	N/A	N/A	N/A	XLOC_I2_007767
A_33_P3262301	1,71266	1,62248	1,064502988	ENST00000318197	89869	NM_033123	PLCZ1
A_33_P3335506	1,7424	1,65223	1,06449561	ENST00000368190	83416	AF343662	FCRL5
A_23_P111724	1,6892	1,59905	1,064480853	ENST00000493037	154661	NM_138290	RUNDC3B
A_21_P0002098	1,80712	1,71699	1,064466096	ENST00000432894	N/A	N/A	N/A
A_22_P00024733	3,50065	3,41055	1,064443962	N/A	N/A	N/A	Inc-C10orf90-3
A_22_P00004166	1,75668	1,66658	1,064443962	N/A	N/A	N/A	Inc-CLEC4D-1
A_22_P00001061	1,71755	1,62748	1,064421827	N/A	N/A	N/A	Inc-ALCAM-1
A_22_P00011612	1,74398	1,65391	1,064421827	ENST00000523810	N/A	N/A	N/A
A_21_P0013497	1,69326	1,60319	1,064421827	N/A	N/A	N/A	XLOC_I2_014245
A_22_P00008531	1,72356	1,63349	1,064421827	N/A	N/A	N/A	Inc-KCNJ6-1
A_21_P0008997	1,79748	1,70742	1,064414449	N/A	N/A	N/A	Inc-BANP-4
A_23_P385938	9,398	9,30794	1,064414449	ENST00000399613	255967	NM_175854	PAN3
A_21_P0014468	2,80544	2,7154	1,064399693	N/A	N/A	N/A	N/A
A_23_P18755	1,71439	1,62436	1,064392316	ENST00000281154	83447	NM_031291	SLC25A31
A_21_P0001869	1,69676	1,60675	1,06437756	ENST00000414811	101927533	N/A	LOC101927533
A_33_P3234482	1,69109	1,60108	1,06437756	ENST00000407792	N/A	N/A	N/A
A_23_P251342	11,3053	11,2153	1,064370182	ENST00000473886	2932	NM_002093	GSK3B
A_23_P72518	17,3074	17,2174	1,064370182	ENST00000326597	55530	NM_018711	SVOP
A_21_P0009500	1,71615	1,62617	1,064355427	N/A	N/A	N/A	Inc-TIMM21-2
A_21_P0010204	2,03116	1,9412	1,064340672	ENST00000448579	400866	N/A	LINC00114
A_22_P00006336	1,9969	1,90694	1,064340672	ENST00000558754	254559	NR_015411	LINC00925
A_21_P0008826	1,70719	1,61727	1,064311163	N/A	N/A	N/A	Inc-UNC13C-2
A_21_P0000952	1,70258	1,61266	1,064311163	ENST00000430540	N/A	N/A	N/A
A_33_P3398356	8,40444	8,31452	1,064311163	ENST00000614174	256764	NM_182758	WDR72

A_23_P257815	1,72144	1,63154	1,064296408	ENST00000256447	4064	NM_005582	CD180
A_33_P3305335	1,70174	1,61184	1,064296408	N/A	N/A	N/A	N/A
A_23_P81492	17,541	17,4511	1,064296408	ENST00000519690	6208	NM_001025071	RPS14
A_21_P0005548	1,64598	1,55609	1,064289031	N/A	N/A	N/A	Inc-AC099552.4.1-3
A_22_P00010137	1,69162	1,60174	1,064281654	ENST00000447405	N/A	N/A	N/A
A_33_P3380356	1,77254	1,68267	1,064274277	N/A	100127991	AK126705	LOC100127991
A_22_P00001853	1,69244	1,60258	1,0642669	N/A	101929335	NR_110150	ADAMTS9-AS1
A_22_P00017759	1,75647	1,66664	1,06424477	N/A	N/A	N/A	Inc-YPEL5-2
A_23_P304237	9,00806	8,91826	1,06422264	ENST00000372190	2889	NM_198679	RAPGEF1
A_33_P3340014	1,68947	1,59967	1,06422264	ENST00000492142	7216	NM_016157	TRO
A_21_P0011975	1,69935	1,60955	1,06422264	ENST00000448255	101929378	NR_110250	LOC101929378
A_33_P3262758	10,5806	10,4908	1,06422264	ENST00000227471	81622	NM_030930	UNC93B1
A_21_P0008228	3,23423	3,14444	1,064215263	N/A	348021	NR_026852	LINC00442
A_33_P3219950	1,71839	1,62861	1,064207886	N/A	729658	NR_122120	LOC729658
A_23_P84744	1,78467	1,69495	1,064163628	ENST00000321489	54768	NM_017558	HYDIN
A_24_P555066	1,69246	1,60275	1,064156252	ENST00000389313	342527	NM_198501	SMTNL2
A_33_P3229750	1,69533	1,60563	1,064148876	N/A	N/A	N/A	N/A
A_21_P0002302	1,76813	1,67845	1,064134124	N/A	N/A	N/A	Inc-GPD2-3
A_23_P134237	1,6938	1,60412	1,064134124	ENST00000482669	5919	NM_002889	RARRES2
A_32_P153812	1,73057	1,6409	1,064126748	ENST00000299308	114795	NM_052907	TMEM132B
A_21_P0002249	1,71732	1,62769	1,064097244	N/A	N/A	N/A	Inc-DNAH6-2
A_22_P00006067	3,10256	3,01293	1,064097244	N/A	N/A	N/A	Inc-FAM135B-2
A_21_P0007772	1,70225	1,61263	1,064089869	N/A	N/A	N/A	Inc-TAOK3-3
A_22_P00011420	1,74897	1,65935	1,064089869	N/A	N/A	N/A	Inc-PALLD-1
A_32_P181020	9,71234	9,62272	1,064089869	ENST00000474587	1797	NM_005510	DXO
A_22_P00013069	1,80212	1,71251	1,064082493	ENST00000456119	400946	N/A	LINC00954
A_21_P0014881	1,71574	1,62614	1,064075117	N/A	N/A	N/A	N/A
A_23_P215253	12,4325	12,3429	1,064075117	ENST00000507355	548644	AJ277740	POLR2J3
A_24_P359067	4,8812	4,79163	1,064052991	N/A	100130357	NM_001242698	LOC100130357
A_21_P0000943	1,69628	1,60673	1,06403824	N/A	N/A	N/A	Inc-AJAP1-2
A_32_P61480	1,77331	1,68377	1,064030865	N/A	255082	NR_026941	CASC2
A_21_P0007585	1,7305	1,64098	1,064016114	ENST00000550380	N/A	N/A	N/A
A_24_P17719	8,95518	8,86568	1,064001364	ENST00000515612	51088	NM_015990	KLHL5

A_22_P00010602	1,68735	1,59785	1,064001364	ENST00000600624	103689918	NR_125757	LINC01378
A_33_P3233160	9,49493	9,40543	1,064001364	ENST00000339012	112942	NM_001282761	CFAP36
A_21_P0002692	4,71692	4,62743	1,063993989	N/A	N/A	N/A	Inc-EPHA4-2
A_21_P0005222	3,72355	3,63406	1,063993989	ENST00000446024	N/A	N/A	N/A
A_33_P3231727	1,81815	1,7287	1,063964489	ENST00000624675	100132249	AK090928	LOC100132249
A_21_P0000020	9,83507	9,74563	1,063957114	ENST00000545145	9904	NM_001146699	RBM19
A_21_P0003755	1,78217	1,69273	1,063957114	N/A	N/A	N/A	Inc-PITX2-2
A_23_P166633	11,9276	11,8382	1,063927615	ENST00000460797	3693	NM_002213	ITGB5
A_23_P320250	13,3936	13,3042	1,063927615	ENST00000618519	80179	NM_025109	MYO19
A_22_P00023965	1,8134	1,72403	1,063905492	N/A	N/A	N/A	Inc-NDFIP2-10
A_23_P312285	1,69906	1,60969	1,063905492	ENST00000492344	245932	NM_153289	DEFB119
A_22_P00007701	2,84606	2,7567	1,063898117	N/A	N/A	N/A	Inc-HIVEP1-3
A_21_P0008432	1,68775	1,5984	1,063890743	ENST00000555442	N/A	N/A	N/A
A_33_P3212959	1,77469	1,68534	1,063890743	ENST00000446864	441525	NM_001009613	SPANXN4
A_22_P00012940	1,69181	1,60246	1,063890743	N/A	100874296	XR_425096	KCNH1-IT1
A_33_P3508160	1,69476	1,60541	1,063890743	N/A	219690	AK055023	LOC219690
A_23_P91414	1,81821	1,72888	1,063875995	ENST00000262659	140706	NM_080625	CCM2L
A_21_P0008352	4,9717	4,88242	1,063839124	N/A	N/A	N/A	Inc-EXD2-1
A_22_P00015361	1,77741	1,68813	1,063839124	N/A	N/A	DB061137	Inc-SPTBN5-1
A_22_P00015582	4,89075	4,80147	1,063839124	ENST00000535370	N/A	AK127893	N/A
A_24_P738168	2,17836	2,08909	1,06383175	N/A	166752	NM_001168235	FREM3
A_32_P20454	9,65208	9,56281	1,06383175	N/A	1314	NM_001098398	COPA
A_23_P92035	9,75071	9,66146	1,063817002	ENST00000466826	55209	NM_001292043	SETD5
A_21_P0004519	1,76951	1,68027	1,063809629	N/A	N/A	N/A	Inc-NR2F1-1
A_33_P3364520	5,03665	4,94742	1,063802255	ENST00000329122	337966	NM_181602	KRTAP6-1
A_22_P00005039	1,68711	1,59789	1,063794881	N/A	N/A	EU250754	Inc-DEC1-1
A_22_P00024159	1,71718	1,62797	1,063787507	N/A	N/A	AK126693	Inc-GAMT-1
A_21_P0001122	1,81912	1,72992	1,063780134	N/A	N/A	N/A	Inc-RIMS3-5
A_22_P00006541	1,69305	1,60386	1,06377276	ENST00000429636	N/A	N/A	N/A
A_22_P00016729	1,72499	1,63582	1,063758013	ENST00000497996	401082	NR_109841	LINC01205
A_22_P00011480	1,68996	1,60081	1,063743267	ENST00000566054	N/A	N/A	N/A
A_23_P254816	5,53547	5,44633	1,063735893	ENST00000621005	6939	NM_004609	TCF15
A_23_P420692	2,31425	2,22511	1,063735893	ENST00000295706	8497	XM_006711588	PPFIA4

A_33_P3290239	7,95259	7,86348	1,063713774	ENST00000560572	90527	NM_001276266	DUOXA1
A_21_P0009061	1,78813	1,69904	1,063699028	N/A	N/A	N/A	Inc-ADAT1-1
A_22_P00006024	1,78043	1,69136	1,063684282	ENST00000518934	286178	XR_108909	LOC286178
A_21_P0011660	1,69233	1,6033	1,063654791	N/A	9331	N/A	B4GALT6
A_24_P303193	8,63367	8,54466	1,063640045	ENST00000314940	10949	BG036557	HNRNPA0
A_23_P217068	18,2845	18,1955	1,063632673	ENST00000536368	6136	NM_000976	RPL12
A_23_P41599	4,83185	4,74285	1,063632673	ENST00000239444	56128	NM_019120	PCDHB8
A_23_P71972	5,81373	5,72473	1,063632673	ENST00000620008	51741	NM_016373	WVOX
A_33_P3348614	10,2427	10,1537	1,063632673	ENST00000457928	79718	NM_024665	TBL1XR1
A_21_P0000515	8,79619	8,70723	1,063603183	N/A	56662	NR_026705	VTRNA1-3
A_33_P3307088	1,68746	1,5985	1,063603183	N/A	N/A	N/A	N/A
A_24_P117138	9,96572	9,87676	1,063603183	ENST00000595094	199777	NM_145297	ZNF626
A_22_P00017343	4,9614	4,87247	1,063581066	N/A	N/A	N/A	Inc-USP47-2
A_33_P3346871	1,71559	1,62666	1,063581066	N/A	N/A	AW593215	N/A
A_23_P24922	9,02602	8,9371	1,063573694	ENST00000310109	387787	NM_001144869	LIPT2
A_21_P0006328	2,74202	2,65311	1,063566322	N/A	N/A	N/A	Inc-C9orf50-2
A_22_P00014519	1,76507	1,67616	1,063566322	ENST00000486767	N/A	N/A	N/A
A_32_P193288	17,1124	17,0235	1,06355895	ENST00000456046	6142	NM_000980	RPL18A
A_23_P72968	1,70085	1,61196	1,063551578	ENST00000276211	158763	NM_144967	ARHGAP36
A_33_P3302260	4,28545	4,1966	1,063522091	ENST00000265460	745	NM_013279	MYRF
A_22_P00015438	1,77274	1,6839	1,063514719	ENST00000555655	N/A	CD247929	N/A
A_21_P0012357	1,68464	1,59581	1,063507347	ENST00000444114	N/A	N/A	N/A
A_33_P3408203	9,05558	8,96678	1,063485232	ENST00000418333	7039	NM_003236	TGFA
A_32_P449380	3,62181	3,53302	1,063477861	ENST00000373574	401551	NM_001045476	WDR38
A_33_P3382493	7,56222	7,47343	1,063477861	ENST00000360844	100049587	NM_001098612	SIGLEC14
A_33_P3276630	1,86727	1,7785	1,063463118	ENST00000338542	83657	BC054892	DYNLRB2
A_33_P3273266	9,0545	8,96573	1,063463118	ENST00000455242	441666	NR_024380	LOC441666
A_33_P3218659	1,71694	1,62818	1,063455747	ENST00000315947	390429	NM_001004723	OR4N2
A_21_P0002240	1,77442	1,68567	1,063448375	N/A	N/A	N/A	Inc-DYSF-1
A_21_P0003434	1,8121	1,72337	1,063433633	N/A	N/A	N/A	Inc-CCDC111-1
A_22_P00010578	6,48348	6,39478	1,06341152	N/A	N/A	AK002196	Inc-NDFIP2-2
A_21_P0003396	1,71822	1,62952	1,06341152	ENST00000506100	N/A	N/A	N/A
A_22_P00017184	5,70683	5,61815	1,063396778	N/A	101928243	NR_110200	DARS-AS1

A_33_P3247599	6,61079	6,52211	1,063396778	ENST00000600047	390980	NM_001023563	ZNF805
A_23_P253068	7,05655	6,9679	1,063374665	ENST00000483432	29882	NM_013366	ANAPC2
A_33_P3382324	1,70477	1,61614	1,063359924	ENST00000211076	23430	NM_012217	TPSD1
A_24_P358381	6,94796	6,85934	1,063352553	ENST00000326153	8225	NM_012227	GTPBP6
A_33_P3320443	5,89601	5,80739	1,063352553	ENST00000314537	104909134	NM_001256299	MGC57346-CRHR1
A_22_P00020808	1,71851	1,6299	1,063345183	N/A	N/A	DD431415	Inc-GATA3-9
A_32_P24581	16,9326	16,844	1,063337812	ENST00000443181	6233	NM_002954	RPS27A
A_21_P0008662	6,59878	6,51021	1,063315701	N/A	N/A	N/A	Inc-IL16-2
A_23_P421306	8,11291	8,02434	1,063315701	ENST00000393946	91683	NM_177963	SYT12
A_21_P0005892	4,51743	4,42888	1,06330096	N/A	N/A	N/A	Inc-EXT1-2
A_22_P00006609	1,68827	1,59974	1,06328622	ENST00000422494	101929685	NR_109883	LINC01384
A_33_P3423215	1,71603	1,6275	1,06328622	ENST00000506884	25859	NR_024617	PART1
A_33_P3389363	5,12203	5,03351	1,06327885	ENST00000597507	284325	XM_006723153	C19orf54
A_22_P00018423	10,9531	10,8646	1,06326411	N/A	N/A	CK903429	Inc-RP11-410N8.4.1-2
A_32_P854438	1,69136	1,60286	1,06326411	ENST00000568567	390705	N/A	LOC390705
A_21_P0011656	9,53832	9,44983	1,06325674	ENST00000534258	N/A	XR_248186	N/A
A_23_P3592	8,02221	7,93375	1,06323463	ENST00000517685	3299	NM_001040667	HSF4
A_22_P00006543	3,35197	3,26355	1,063205152	ENST00000484675	N/A	N/A	N/A
A_33_P3279984	1,68962	1,60122	1,063190412	N/A	N/A	N/A	N/A
A_21_P0012246	10,8859	10,7975	1,063190412	N/A	N/A	N/A	XLOC_I2_009285
A_24_P295543	12,1473	12,0589	1,063190412	ENST00000370372	282991	NM_001001342	BLOC1S2
A_22_P00002439	1,6932	1,60482	1,063175674	ENST00000555776	N/A	DB129663	N/A
A_22_P00010892	1,79814	1,70976	1,063175674	ENST00000505557	N/A	N/A	N/A
A_21_P0003611	1,71292	1,62454	1,063175674	N/A	N/A	N/A	Inc-POLR2B-1
A_23_P352870	9,52465	9,43627	1,063175674	ENST00000587386	5819	NM_002856	PVRL2
A_23_P409462	7,57906	7,49069	1,063168304	ENST00000424717	285761	NM_173674	DCBLD1
A_24_P44992	3,18076	3,0924	1,063160935	ENST00000400371	N/A	AL831934	N/A
A_23_P302550	1,80237	1,71401	1,063160935	ENST00000367460	64407	NM_130782	RGS18
A_22_P00018545	7,90681	7,81845	1,063160935	N/A	N/A	N/A	Inc-TM6SF1-2
A_23_P117261	1,74601	1,65767	1,063146197	ENST00000380314	122042	NM_130806	RXFP2
A_23_P95213	4,90137	4,81303	1,063146197	ENST00000521315	6440	NM_003018	SFTPC
A_32_P923011	7,44332	7,35498	1,063146197	ENST00000461467	645520	NR_026818	FAM138A
A_33_P3230598	1,92649	1,83818	1,063124089	ENST00000602168	100271846	NM_001191055	ERVV-2

A_23_P87575	6,33653	6,24822	1,063124089	ENST00000417344	904	NM_001240	CCNT1
A_22_P00023263	7,61015	7,52184	1,063124089	ENST00000559428	N/A	DN912770	N/A
A_23_P111804	11,4366	11,3483	1,06311672	ENST00000488726	64761	NM_022750	PARP12
A_21_P0012265	6,10564	6,01734	1,06311672	N/A	N/A	N/A	XLOC_I2_009332
A_33_P3324854	1,71805	1,62977	1,063101982	ENST00000436022	79825	NM_024768	EFCC1
A_23_P331235	2,64386	2,55563	1,063065139	ENST00000334000	153571	NM_178569	C5orf38
A_23_P400459	8,58098	8,49276	1,06305777	ENST00000488673	158234	NM_144964	TRMT10B
A_22_P00002949	1,69325	1,60506	1,063035665	N/A	N/A	DB508818	Inc-C5orf47-1
A_33_P3237729	1,8148	1,72662	1,063028296	ENST00000253754	8572	NM_003687	PDLIM4
A_23_P151166	6,77579	6,68762	1,063020928	ENST00000356742	84329	NM_001040107	HVCN1
A_23_P373541	1,74122	1,65305	1,063020928	ENST00000399271	1834	NM_014208	DSPP
A_33_P3312288	1,78122	1,69305	1,063020928	N/A	N/A	N/A	XLOC_I2_013314
A_22_P00016239	5,8797	5,79156	1,062998823	N/A	N/A	AA315543	Inc-TMC7-1
A_33_P3357630	1,81497	1,72684	1,062991455	ENST00000429849	728858	NM_001080406	C12orf71
A_22_P00005488	1,81756	1,72943	1,062991455	ENST00000546170	101927922	NR_120456	LINC01479
A_22_P00005941	1,68467	1,59654	1,062991455	N/A	N/A	N/A	Inc-EXOC3-2
A_21_P0011836	1,81789	1,72977	1,062984087	N/A	N/A	N/A	XLOC_I2_007470
A_33_P3270509	10,1165	10,0284	1,062969351	ENST00000380006	6477	NM_003031	SIAH1
A_21_P0010048	4,86699	4,7789	1,062961983	N/A	N/A	N/A	Inc-SULF2-4
A_33_P3364929	1,80032	1,71223	1,062961983	N/A	N/A	N/A	N/A
A_21_P0004267	1,74572	1,65764	1,062954615	N/A	N/A	N/A	Inc-AGGF1-3
A_22_P00000165	1,68391	1,59587	1,062925144	N/A	N/A	AA412392	Inc-ABCC11-1
A_21_P0002573	4,01597	3,92794	1,062917777	N/A	N/A	N/A	Inc-HPCAL1-1
A_21_P0013076	1,95609	1,86807	1,062910409	N/A	N/A	N/A	XLOC_I2_012940
A_23_P342825	10,7493	10,6613	1,062895674	ENST00000331272	6468	NM_022039	FBXW4
A_21_P0002310	1,77755	1,68956	1,062888307	N/A	N/A	N/A	Inc-CSRNP3-3
A_33_P3405980	1,69852	1,61055	1,062873572	ENST00000407963	391365	NM_001032377	SULT6B1
A_22_P00022329	1,68649	1,59859	1,062822003	N/A	N/A	N/A	Inc-AL078585.1-1
A_22_P00024377	1,68366	1,59579	1,062799902	N/A	101927693	XR_246584	LOC101927693
A_22_P00013249	1,72955	1,64171	1,062777802	N/A	N/A	N/A	Inc-ROM1-3
A_22_P00008839	5,89497	5,80713	1,062777802	N/A	N/A	N/A	Inc-KLF6-2
A_33_P3259712	1,76657	1,67874	1,062770435	N/A	N/A	AK123808	Inc-A2M-1
A_22_P00012235	1,68398	1,59622	1,062718871	ENST00000514657	101927379	NR_109881	LOC101927379



A_21_P0010230	1,71917	1,63142	1,062711505	N/A	N/A	N/A	Inc-SOD1-2
A_22_P00025484	1,76701	1,67927	1,062704138	ENST00000414895	N/A	N/A	N/A
A_21_P0000512	4,36377	4,27603	1,062704138	N/A	100170222	NR_024343	SNAR-I
A_21_P0004584	1,71141	1,62368	1,062696772	ENST00000521128	N/A	N/A	N/A
A_22_P00006382	1,76841	1,6808	1,062608383	ENST00000507509	N/A	N/A	N/A
A_33_P3358208	10,8551	10,7675	1,062601018	ENST00000375471	29943	NM_013358	PADI1
A_23_P30784	7,85836	7,77077	1,062593653	ENST00000274849	29777	NM_013375	ABT1
A_22_P00018886	1,68274	1,59515	1,062593653	N/A	N/A	AK056048	Inc-LMOD1-2
A_21_P0008794	1,68473	1,59714	1,062593653	N/A	N/A	N/A	Inc-RP11-82110.1.1-10
A_24_P222890	1,74808	1,6605	1,062586287	ENST00000408964	84226	NM_032266	C2orf16
A_21_P0005173	1,72407	1,63649	1,062586287	N/A	N/A	N/A	Inc-HACE1-3
A_23_P81926	4,22053	4,13296	1,062578922	ENST00000383530	170680	NM_014069	PSORS1C2
A_33_P3250323	2,84735	2,75979	1,062571557	N/A	N/A	N/A	N/A
A_22_P00006999	5,62728	5,53972	1,062571557	N/A	N/A	DJ031144	Inc-GGCT-1
A_23_P69452	8,3471	8,25958	1,062542096	ENST00000260803	51163	NM_016216	DBR1
A_24_P182696	1,72374	1,63624	1,062527367	ENST00000438642	140469	NM_138995	MYO3B
A_21_P0004118	1,69441	1,60691	1,062527367	ENST00000507876	101929681	N/A	LOC101929681
A_21_P0008831	1,68892	1,60144	1,062512637	ENST00000615095	101929221	N/A	C15orf59-AS1
A_33_P3393098	1,79961	1,71215	1,062497908	ENST00000297001	100130988	NM_001161834	C7orf72
A_22_P00003463	1,72156	1,6341	1,062497908	ENST00000547607	100131138	N/A	LINC01405
A_33_P3333800	7,75424	7,66679	1,062490543	ENST00000397280	124056	NM_172168	NOXO1
A_33_P3423556	1,78933	1,70189	1,062483178	ENST00000462622	1804	AK309760	DPP6
A_22_P00008415	1,73546	1,64806	1,06245372	ENST00000543403	N/A	AA393706	N/A
A_22_P00014370	1,69031	1,60291	1,06245372	ENST00000565133	N/A	XR_424709	N/A
A_33_P3259845	1,77575	1,68836	1,062446356	ENST00000308132	152877	NM_001297435	FAM53A
A_23_P397933	1,78451	1,69714	1,062431628	ENST00000337774	5648	NM_001879	MASP1
A_23_P207245	1,75688	1,66951	1,062431628	ENST00000338696	64518	NM_031898	TEKT3
A_23_P110266	2,17445	2,08709	1,062424263	ENST00000379692	79625	NM_024574	NDNF
A_22_P00016246	1,73741	1,65005	1,062424263	N/A	N/A	DB461617	Inc-TMCO1-2
A_21_P0012464	1,7986	1,71124	1,062424263	N/A	N/A	N/A	XLOC_I2_010374
A_21_P0003734	1,80863	1,72127	1,062424263	N/A	N/A	N/A	Inc-CCKAR-5
A_23_P129209	9,60914	9,52184	1,062380079	ENST00000560061	3418	NM_002168	IDH2
A_32_P517749	11,4797	11,3924	1,062380079	ENST00000379565	6197	NM_004586	RPS6KA3

A_32_P309662	1,94975	1,86247	1,062365352	ENST00000446620	259285	NM_176881	TAS2R39
A_21_P0002997	1,52373	1,43645	1,062365352	N/A	N/A	N/A	Inc-C3orf38-2
A_33_P3356341	7,14615	7,05888	1,062357988	ENST00000398532	339287	NM_001012241	MSL1
A_21_P0011569	1,79468	1,70744	1,062335897	N/A	N/A	N/A	Inc-LGALS9B-2
A_21_P0008499	7,61195	7,52472	1,062328534	N/A	N/A	N/A	Inc-CDCA4-1
A_33_P3275390	1,7785	1,69127	1,062328534	N/A	89792	NM_033036	GAL3ST3
A_33_P3265254	1,684	1,59678	1,06232117	N/A	N/A	N/A	N/A
A_23_P22614	7,51235	7,42513	1,06232117	ENST00000354228	23157	NM_145802	set-06
A_23_P324384	1,86825	1,78105	1,062306443	ENST00000624653	140032	NM_001039567	RPS4Y2
A_21_P0006653	1,73797	1,65077	1,062306443	ENST00000420825	N/A	N/A	N/A
A_33_P3210585	11,7161	11,6289	1,062306443	ENST00000339092	22848	NM_014911	AAK1
A_23_P138025	11,8141	11,7269	1,062306443	ENST00000374135	54707	NM_018066	GPN2
A_23_P503059	1,72076	1,6336	1,06227699	ENST00000524560	53942	NM_014361	CNTN5
A_22_P00001533	1,7988	1,71164	1,06227699	N/A	N/A	AK092562	Inc-ARHGAP44-1
A_22_P00006361	3,32903	3,24188	1,062269627	N/A	N/A	N/A	Inc-FAS-2
A_21_P0012853	1,71811	1,63098	1,062254901	N/A	101926975	XR_425919	LOC101926975
A_24_P164505	5,94769	5,8606	1,06222545	ENST00000392176	100129396	NR_026810	FAM106CP
A_22_P00006686	1,68151	1,59444	1,062210724	ENST00000418078	339468	XR_246343	LOC339468
A_21_P0006730	9,18606	9,099	1,062203361	ENST00000478294	N/A	N/A	N/A
A_22_P00018898	1,68511	1,59807	1,062188636	ENST00000509780	438	AY037933	ASMT
A_33_P3594854	1,71652	1,6295	1,062173911	N/A	9677	BI053448	PIIP5K1
A_21_P0007628	1,68185	1,59487	1,062144462	N/A	N/A	N/A	Inc-SDSL-5
A_21_P0011892	1,68127	1,5943	1,0621371	N/A	N/A	N/A	Inc-CXXC11-4
A_22_P00016833	1,79721	1,71025	1,062129738	N/A	N/A	N/A	Inc-TRMT112-3
A_22_P00016631	1,71361	1,62668	1,062107651	N/A	N/A	N/A	Inc-TOR1AIP2-2
A_22_P00021353	1,68758	1,60065	1,062107651	ENST00000527895	100505622	NR_038332	LOC100505622
A_22_P00013961	9,47961	9,39269	1,06210029	N/A	N/A	N/A	Inc-RTL1-2
A_21_P0004431	1,89606	1,80916	1,062085566	N/A	N/A	N/A	Inc-TMED7-1
A_22_P00000621	4,65512	4,56823	1,062078204	N/A	N/A	N/A	Inc-ACP1-1
A_21_P0006531	1,8334	1,74653	1,062063481	N/A	N/A	N/A	Inc-RPGR-1
A_22_P00012994	1,79703	1,71017	1,062056119	ENST00000452181	N/A	BC036751	N/A
A_24_P672240	1,7911	1,70426	1,062041396	ENST00000380682	9758	NM_014728	FRMPD4
A_22_P00020332	1,52538	1,43859	1,062004589	ENST00000451108	N/A	N/A	N/A

A_24_P5750	4,66154	4,57477	1,061989866	ENST00000597727	3817	NM_005551	KLK2
A_22_P00010938	2,81118	2,72441	1,061989866	ENST00000559214	N/A	DB083763	N/A
A_32_P125549	16,68	16,5933	1,06193834	N/A	N/A	N/A	N/A
A_21_P0007730	1,80869	1,72202	1,061916258	N/A	N/A	N/A	Inc-CCDC59-1
A_21_P0006656	1,69481	1,60816	1,061901536	ENST00000434386	102724039	N/A	LOC102724039
A_21_P0013537	1,79313	1,70652	1,061872095	ENST00000497773	255926	N/A	ADAM5
A_21_P0001332	1,6854	1,5988	1,061864734	N/A	N/A	N/A	Inc-PKN2-2
A_22_P00020540	4,40608	4,3195	1,061850014	N/A	N/A	AA430309	Inc-METTL11A-1
A_24_P941038	1,71374	1,62716	1,061850014	ENST00000332853	196740	NM_001031746	VSTM4
A_21_P0004250	1,6799	1,59333	1,061842654	N/A	N/A	N/A	Inc-CTD-2203A3.1.1-1
A_21_P0001391	1,68259	1,59602	1,061842654	ENST00000442621	148756	NR_125716	OVAAL
A_22_P00019546	2,73313	2,64659	1,061820573	N/A	N/A	N/A	Inc-RADIL-1
A_22_P00008413	1,68508	1,59854	1,061820573	ENST00000554526	N/A	N/A	N/A
A_21_P0012931	1,71778	1,63126	1,061805854	N/A	N/A	N/A	XLOC_I2_012323
A_23_P320658	12,5858	12,4993	1,061791134	ENST00000368865	9184	NM_004725	BUB3
A_33_P3344046	1,68484	1,59837	1,061769055	ENST00000400563	164380	NR_001279	CST13P
A_23_P7562	1,68066	1,59421	1,061754336	ENST00000493861	23305	NM_001009185	ACSL6
A_33_P3279286	1,68555	1,59911	1,061746976	ENST00000382119	360030	NM_001145465	NANOGB
A_33_P3411155	1,73463	1,64821	1,061732257	ENST00000511828	285556	XM_001717423	LOC285556
A_22_P00012532	1,81569	1,72927	1,061732257	ENST00000560446	N/A	N/A	N/A
A_33_P3296696	1,73389	1,64748	1,061724898	N/A	N/A	N/A	N/A
A_24_P231025	6,81405	6,72765	1,061717539	ENST00000342449	54014	NM_033656	BRWD1
A_21_P0003669	1,71699	1,63059	1,061717539	N/A	N/A	N/A	Inc-TDO2-2
A_22_P00001560	8,83221	8,74584	1,061695461	ENST00000379887	25820	AK123669	ARIH1
A_21_P0013831	5,97161	5,88524	1,061695461	N/A	N/A	N/A	XLOC_I2_015821
A_21_P0006527	3,09781	3,01151	1,061643949	N/A	N/A	N/A	Inc-ATXN3L-2
A_33_P3305810	3,55981	3,47352	1,06163659	ENST00000297625	57462	NM_020702	KIAA1161
A_33_P3321225	5,85892	5,77265	1,061621873	N/A	N/A	N/A	Inc-SLA2-3
A_33_P3399443	6,5886	6,50234	1,061614514	ENST00000502350	54436	XR_241652	SH3TC1
A_21_P0002764	1,74256	1,65632	1,061599797	N/A	N/A	N/A	Inc-GAP43-5
A_21_P0004836	1,78396	1,69775	1,061577722	N/A	N/A	N/A	Inc-GCNT2-3
A_23_P132793	14,5948	14,5086	1,061570364	ENST00000470900	7873	NM_006010	MANF
A_33_P3368208	1,79855	1,71235	1,061570364	ENST00000311955	137735	NM_139166	ABRA

A_22_P00021035	1,70591	1,61971	1,061570364	N/A	N/A	BI827305	Inc-LRTM2-2
A_22_P00023374	11,4899	11,4037	1,061570364	N/A	100505573	N/A	INAFM2
A_21_P0002548	1,68569	1,59951	1,061555647	N/A	N/A	N/A	Inc-GPR55-3
A_23_P347432	9,71136	9,62519	1,061548289	ENST00000610709	1855	NM_004421	DVL1
A_33_P3419945	6,67942	6,59327	1,061533573	N/A	N/A	AK130724	N/A
A_23_P20311	1,68109	1,59495	1,061526215	ENST00000351513	1807	NM_001385	DPYS
A_33_P3312489	1,79347	1,70733	1,061526215	ENST00000409460	N/A	AL832635	N/A
A_24_P305938	9,33514	9,24901	1,061518857	ENST00000519581	9366	NR_000039	RAB9BP1
A_33_P3413795	8,40252	8,3164	1,061511499	ENST00000427872	N/A	AV727532	N/A
A_33_P3392123	8,60722	8,5211	1,061511499	N/A	100233209	NR_026544	PCED1B-AS1
A_21_P0009135	1,78162	1,69551	1,061504142	ENST00000562921	102467146	N/A	LOC102467146
A_22_P00006248	1,7691	1,68299	1,061504142	ENST00000414765	N/A	N/A	N/A
A_23_P100441	10,8175	10,7314	1,061496784	ENST00000309137	80011	NM_024946	FAM192A
A_23_P334173	10,3901	10,304	1,061496784	ENST00000263636	4065	NM_002349	LY75
A_23_P114144	9,18577	9,0997	1,061474711	ENST00000376227	28952	NM_014008	CCDC22
A_22_P00005269	1,68944	1,60337	1,061474711	ENST00000561473	N/A	AK054776	N/A
A_23_P105973	1,688	1,60197	1,061445281	ENST00000334708	256394	NM_001080451	SERPINA11
A_21_P0007873	1,72225	1,63623	1,061437924	N/A	N/A	N/A	Inc-SLC2A13-3
A_33_P3395848	4,69286	4,60688	1,061408495	ENST00000600663	147645	NM_001163922	VSIG10L
A_22_P00001134	1,79488	1,70892	1,06139378	N/A	N/A	BQ435527	Inc-ALX4-6
A_24_P822931	1,68594	1,60002	1,061364353	N/A	100329135	NM_001195576	TRPC5OS
A_21_P0000101	17,6615	17,5756	1,061349639	ENST00000600213	100462981	NM_001190470	MTRNR2L2
A_22_P00014147	1,76826	1,68236	1,061349639	N/A	N/A	N/A	Inc-SCN2A-1
A_33_P3220663	8,31881	8,23292	1,061342283	ENST00000557176	246329	NM_145064	STAC3
A_21_P0006038	1,74816	1,6623	1,061320213	ENST00000444985	100996590	NR_104145	LINC01505
A_23_P365614	4,57077	4,48492	1,061312856	ENST00000437843	4855	NM_004557	NOTCH4
A_33_P3368800	8,59661	8,51079	1,061290787	ENST00000613714	149013	NM_001278141	NBPF12
A_32_P332551	1,72024	1,63442	1,061290787	ENST00000537894	144809	NM_182508	FAM216B
A_32_P413094	1,68168	1,59589	1,061268718	ENST00000417072	60439	NR_001536	TTY2
A_22_P00006533	1,77691	1,69112	1,061268718	N/A	N/A	DB079229	Inc-FGL2-1
A_21_P0000897	1,7209	1,63511	1,061268718	N/A	100287616	NR_040066	LOXL1-AS1
A_33_P3250979	1,7239	1,63813	1,061254006	N/A	N/A	N/A	N/A
A_21_P0009912	1,68665	1,6009	1,061239294	ENST00000426963	N/A	N/A	N/A

A_23_P157766	7,7585	7,67275	1,061239294	ENST00000406861	55064	NM_001039395	SPATA6L
A_23_P158297	1,78657	1,70085	1,061217227	ENST00000342868	10917	NM_197975	BTNL3
A_23_P258246	13,5251	13,4394	1,061202515	ENST00000545894	1642	NM_001923	DDB1
A_19_P00320727	1,70678	1,6211	1,061187804	ENST00000505155	101927237	N/A	LOC101927237
A_33_P3391285	1,69382	1,60814	1,061187804	ENST00000305377	441639	NM_001005243	OR9K2
A_33_P3692756	3,72841	3,64277	1,061158382	N/A	723809	NR_027374	LHFPL3-AS2
A_22_P00005349	1,72892	1,64329	1,061151027	N/A	N/A	AI077571	Inc-DPY19L2-1
A_22_P00008682	1,67943	1,59382	1,061136316	N/A	101927551	XR_244446	LOC101927551
A_33_P3272274	1,73074	1,64514	1,061128961	ENST00000393660	245913	NM_001037728	DEFB110
A_33_P3404804	1,71737	1,63177	1,061128961	ENST00000514892	N/A	N/A	N/A
A_21_P0005123	1,70868	1,6231	1,06111425	N/A	N/A	N/A	Inc-PM20D2-1
A_21_P0002382	1,72202	1,63645	1,061106895	N/A	N/A	N/A	Inc-RNASEH1-1
A_21_P0009099	1,74859	1,66303	1,06109954	N/A	283854	XR_243451	CASC22
A_21_P0010203	1,69064	1,60508	1,06109954	ENST00000436845	102724678	NR_110545	LINC01423
A_33_P3386621	1,76408	1,67853	1,061092185	N/A	N/A	BC046191	N/A
A_22_P00006945	1,77124	1,68569	1,061092185	N/A	N/A	N/A	Inc-GBP5-5
A_21_P0005770	1,80658	1,72104	1,061084831	N/A	N/A	N/A	Inc-KHDRBS3-10
A_22_P00013897	6,42532	6,33979	1,061077476	N/A	N/A	N/A	Inc-RPS21-2
A_21_P0010336	1,76704	1,68153	1,061062766	ENST00000424852	102723775	NR_120595	LINC01315
A_21_P0008404	10,8465	10,761	1,061055411	ENST00000548361	102723354	NR_110546	LOC102723354
A_23_P256172	15,0709	14,9854	1,061055411	ENST00000496152	25915	NM_199069	NDUFAF3
A_33_P3272385	1,6774	1,5919	1,061055411	ENST00000408935	26686	NM_001001912	OR4E2
A_23_P8664	10,7722	10,6867	1,061055411	ENST00000488352	9988	NM_021145	DMTF1
A_21_P0008183	1,78823	1,70277	1,061025993	N/A	N/A	N/A	Inc-RNF219-1
A_33_P3320523	1,67854	1,59308	1,061025993	ENST00000398669	N/A	AK128823	N/A
A_21_P0004935	1,74838	1,66293	1,061018639	N/A	N/A	N/A	Inc-SMPDL3A-1
A_23_P113572	6,85379	6,76835	1,061011284	ENST00000611258	930	NM_001770	CD19
A_33_P3364761	1,68098	1,59557	1,060989221	ENST00000375625	N/A	XR_132683	N/A
A_22_P00002047	4,56485	4,47945	1,060981867	N/A	N/A	N/A	Inc-BID-1
A_22_P00013562	1,72043	1,63503	1,060981867	ENST00000511091	N/A	N/A	N/A
A_24_P314515	1,68722	1,60183	1,060974513	N/A	283460	NR_024345	HNF1A-AS1
A_23_P357760	6,52714	6,44176	1,060967159	ENST00000481340	414	XM_005274516	ARSD
A_22_P00020699	1,71204	1,62669	1,060945097	N/A	N/A	BM926533	Inc-PPIC-1

A_21_P0003465	1,75522	1,66988	1,060937743	ENST00000507808	N/A	N/A	N/A
A_23_P22800	1,69234	1,607	1,060937743	ENST00000623101	728137	NM_001077697	TSPY3
A_22_P00001588	1,75099	1,66566	1,060930389	N/A	N/A	BE166620	Inc-ARMC6-1
A_22_P00015920	8,4317	8,34638	1,060923036	ENST00000553963	N/A	N/A	N/A
A_21_P0014492	8,78458	8,69927	1,060915682	N/A	N/A	N/A	N/A
A_33_P3219384	1,70443	1,61913	1,060908328	ENST00000419101	151300	NR_024385	LINC00608
A_23_P37654	10,9674	10,8821	1,060908328	ENST00000570161	23269	NM_001164273	MGA
A_19_P00809558	12,4453	12,36	1,060908328	ENST00000409333	6741	NM_001294145	SSB
A_22_P00020879	1,73907	1,65378	1,060900974	N/A	N/A	HY054437	Inc-TMCO4-1
A_21_P0010546	1,76486	1,67959	1,060886267	N/A	N/A	N/A	XLOC_I2_000354
A_33_P3345821	1,67731	1,59204	1,060886267	N/A	N/A	N/A	N/A
A_33_P3273719	8,2479	8,16263	1,060886267	ENST00000370913	60481	NM_001242831	ELOVL5
A_22_P00008458	5,73028	5,64502	1,060878914	ENST00000522715	N/A	N/A	N/A
A_33_P3212849	1,70999	1,62473	1,060878914	N/A	100506733	NR_038973	FAM170B-AS1
A_24_P350303	1,77695	1,69171	1,060864207	ENST00000483580	404220	NM_001085401	C6orf201
A_23_P155463	6,7638	6,67857	1,060856854	ENST00000395905	79442	NM_024512	LRRC2
A_22_P00004730	1,67849	1,59328	1,060842147	N/A	N/A	N/A	Inc-CTIF-3
A_21_P0009626	1,67672	1,59152	1,060834794	N/A	N/A	N/A	Inc-CDH2-1
A_23_P405216	6,51381	6,42864	1,060812735	ENST00000314686	285267	NM_001145083	ZNF619
A_22_P00008126	1,85811	1,77294	1,060812735	N/A	N/A	N/A	Inc-IL32-1
A_23_P435657	5,96195	5,87683	1,060775971	ENST00000428767	200420	NR_003683	ALMS1P
A_21_P0011273	1,67755	1,59243	1,060775971	N/A	N/A	N/A	XLOC_I2_004540
A_22_P00001875	9,11997	9,03487	1,060761265	ENST00000559390	100419583	NR_125376	LOC100419583
A_24_P878388	14,1474	14,0623	1,060761265	ENST00000463344	N/A	N/A	N/A
A_21_P0011681	8,4221	8,33704	1,060731855	ENST00000344519	N/A	N/A	N/A
A_22_P00013002	6,81969	6,73463	1,060731855	ENST00000426575	N/A	N/A	N/A
A_33_P3212823	17,0235	16,9385	1,060687741	ENST00000451409	100132247	NM_001135865	NPIP5
A_22_P00011868	1,69093	1,60595	1,060673037	ENST00000442062	N/A	N/A	N/A
A_21_P0009071	1,67673	1,59176	1,060665685	ENST00000567317	101928276	NR_104665	LINC01227
A_22_P00021377	1,72679	1,64183	1,060658333	N/A	101927803	XR_245022	LOC101927803
A_23_P339119	1,79534	1,71039	1,060650981	ENST00000548324	79611	NM_024560	ACSS3
A_33_P3410060	1,73525	1,6503	1,060650981	ENST00000376681	284076	AL834151	TTLL6
A_22_P00000731	1,68135	1,59641	1,06064363	N/A	N/A	N/A	Inc-ADAMTS7-1

A_22_P00012437	1,69097	1,60604	1,060636278	ENST00000567313	644050	NR_104176	LINC01529
A_33_P3370515	17,4574	17,3725	1,060614223	N/A	N/A	N/A	N/A
A_32_P18493	15,4734	15,3885	1,060614223	ENST00000476715	N/A	N/A	N/A
A_33_P3355326	1,80481	1,71991	1,060614223	ENST00000377850	10246	NM_001286123	SLC17A2
A_21_P0007461	1,69302	1,60812	1,060614223	ENST00000529017	103312105	NR_120555	LOC103312105
A_33_P3318243	1,67642	1,59154	1,06059952	N/A	N/A	N/A	N/A
A_33_P3223487	1,68748	1,60268	1,060540709	ENST00000436046	N/A	XM_006719749	N/A
A_33_P3372161	15,5732	15,4884	1,060540709	ENST00000429552	N/A	N/A	N/A
A_23_P154771	9,46592	9,38113	1,060533358	ENST00000486996	128853	NM_080611	DUSP15
A_22_P00019631	1,75294	1,66818	1,060511305	ENST00000506656	N/A	N/A	N/A
A_23_P37347	12,8481	12,7634	1,0604672	ENST00000261531	22938	NM_012245	SNW1
A_24_P135276	12,2271	12,1424	1,0604672	ENST00000521713	84132	NM_032172	USP42
A_33_P3369716	1,73359	1,64891	1,060452499	ENST00000536112	100507195	NR_120458	LOC100507195
A_33_P3233099	2,7647	2,68004	1,060437798	ENST00000428230	50649	NM_015320	ARHGEF4
A_22_P00002175	1,70275	1,61809	1,060437798	N/A	N/A	Z49982	lnc-BTBD17-2
A_33_P3366659	1,72366	1,63901	1,060430448	ENST00000380491	121273	AY255794	C12orf54
A_23_P306655	6,4531	6,36849	1,060401047	ENST00000480687	386724	NM_198722	AMIGO3
A_33_P3254555	5,21101	5,1264	1,060401047	ENST00000619706	254394	NM_017696	MCM9
A_23_P122915	16,3464	16,2618	1,060393697	ENST00000297290	25798	NM_015379	BRI3
A_21_P0012250	7,05463	6,97004	1,060386347	ENST00000432134	728229	NM_001242313	TMEM191B
A_33_P3388883	4,53532	4,45073	1,060386347	N/A	N/A	N/A	N/A
A_33_P3209244	2,79834	2,71377	1,060371647	ENST00000550720	N/A	DB161231	N/A
A_22_P00014255	1,73264	1,64808	1,060364297	ENST00000569381	N/A	AF147372	N/A
A_22_P00013538	1,81149	1,72693	1,060364297	ENST00000520749	N/A	DB454079	N/A
A_24_P149036	5,33294	5,24838	1,060364297	ENST00000398514	1809	NM_001387	DPYSL3
A_33_P3250851	4,03159	3,94705	1,060349597	ENST00000370082	85441	NM_001037335	HELZ2
A_33_P3223467	9,55592	9,47139	1,060342248	ENST00000310421	80124	NM_025054	VCPIP1
A_33_P3407990	3,64733	3,56283	1,060320199	N/A	100130193	AK096102	LOC100130193
A_33_P3242136	5,1831	5,0986	1,060320199	ENST00000489937	2246	NM_001257206	FGF1
A_22_P00002907	1,75711	1,67262	1,060312849	N/A	N/A	N/A	lnc-C4orf51-1
A_21_P0006810	1,71725	1,6328	1,060283451	N/A	N/A	N/A	lnc-PFKP-9
A_23_P102832	9,92055	9,83615	1,060246705	ENST00000397527	11190	NM_007186	CEP250
A_33_P3221708	12,9056	12,8212	1,060246705	N/A	N/A	N/A	XLOC_l2_012371

A_22_P00005789	6,75099	6,6666	1,060239356	N/A	N/A	N/A	Inc-EPB41-2
A_23_P366230	5,71503	5,63067	1,06021731	ENST00000253339	9113	NM_004690	LATS1
A_21_P0013591	5,26206	5,17773	1,060195263	ENST00000451152	100507540	NR_110953	LINC01504
A_33_P3348529	6,44061	6,35631	1,060173217	N/A	N/A	AK130848	N/A
A_21_P0013332	4,22007	4,13578	1,060165869	ENST00000576332	N/A	N/A	N/A
A_24_P787889	9,68266	9,5984	1,060143823	ENST00000612978	728229	NM_001242313	TMEM191B
A_33_P3348184	1,77092	1,68668	1,060129127	ENST00000377121	284788	NR_027089	LOC284788
A_21_P0009393	1,71556	1,63133	1,060121779	N/A	N/A	N/A	Inc-RGS9-1
A_33_P3343250	1,7512	1,66699	1,060107082	ENST00000612892	2825	NM_001261453	GPR1
A_33_P3404759	4,97969	4,89548	1,060107082	N/A	N/A	N/A	N/A
A_23_P26254	11,3838	11,2996	1,060099734	ENST00000559127	51103	NM_016013	NDUFAF1
A_22_P00004040	1,71707	1,6329	1,06007769	N/A	N/A	AK093642	Inc-CHRNA5-1
A_23_P370684	1,71281	1,62864	1,06007769	ENST00000304337	201798	NM_145720	TIGD4
A_22_P00007766	1,68238	1,59823	1,060062995	ENST00000615743	N/A	N/A	N/A
A_21_P0014010	1,79474	1,7106	1,060055647	N/A	100128285	AF357221	DNM1P35
A_23_P140475	1,7938	1,70969	1,060033604	ENST00000455873	79400	NM_024505	NOX5
A_24_P218074	14,9326	14,8485	1,060026256	ENST00000302017	168544	NM_207336	ZNF467
A_22_P00014821	1,69973	1,61563	1,060026256	N/A	N/A	BX091662	Inc-SLC39A8-2
A_21_P0005934	10,8011	10,717	1,060026256	N/A	N/A	XM_005273639	Inc-HMBOX1-1
A_23_P314070	14,4565	14,3724	1,060026256	ENST00000311956	392	NM_004308	ARHGAP1
A_33_P3363674	10,5338	10,4497	1,060026256	ENST00000372652	4802	NM_001142590	NFYC
A_33_P3423718	1,75766	1,67357	1,060018909	ENST00000613213	11173	NM_014272	ADAMTS7
A_23_P46879	1,68756	1,60352	1,059982172	ENST00000369221	5406	NM_000936	PNLIP
A_21_P0009235	1,77263	1,6886	1,059974825	N/A	N/A	N/A	Inc-AC003101.1.1-3
A_21_P0008827	1,68218	1,59817	1,05996013	N/A	N/A	N/A	Inc-C2CD4A-5
A_33_P3355856	1,67387	1,58986	1,05996013	ENST00000332043	N/A	AB529238	N/A
A_24_P223124	12,6187	12,5347	1,059952783	ENST00000336824	64778	NM_022763	FNDC3B
A_22_P00018988	1,67529	1,59133	1,059923396	N/A	153469	NR_038902	JAKMIP2-AS1
A_33_P3294801	8,10169	8,01775	1,059908702	N/A	N/A	AK097991	N/A
A_19_P00810988	4,48311	4,39917	1,059908702	N/A	N/A	N/A	XLOC_I2_003856
A_33_P3385706	1,76576	1,68183	1,059901355	ENST00000450052	390037	NM_001005169	OR52I1
A_33_P3419006	1,68286	1,59896	1,059879316	N/A	2798	NM_000406	GNRHR
A_33_P3369034	14,427	14,3431	1,059879316	ENST00000566982	9564	NM_001170714	BCAR1



A_22_P00011524	1,70039	1,61654	1,059842584	N/A	N/A	N/A	Inc-PBX1-2
A_33_P3408221	8,96607	8,88227	1,059805853	ENST00000534767	729799	NR_026952	SEC14L1P1
A_21_P0013483	1,67427	1,59049	1,059791161	ENST00000518556	N/A	N/A	N/A
A_23_P36865	9,27173	9,18796	1,059783815	ENST00000552810	80184	NM_025114	CEP290
A_21_P0013360	1,67669	1,59294	1,059769123	N/A	N/A	N/A	XLOC_I2_014076
A_24_P183334	1,72947	1,64577	1,059732395	ENST00000333811	133688	NM_152404	UGT3A1
A_22_P00014908	1,67501	1,59132	1,05972505	ENST00000483245	100507210	XR_241571	LOC100507210
A_33_P3261636	1,67335	1,58968	1,059710359	ENST00000429566	125963	NM_001004456	OR1M1
A_22_P00005416	1,68749	1,60384	1,059695668	N/A	102723727	XR_426896	LOC102723727
A_33_P3341299	1,65676	1,57311	1,059695668	ENST00000262138	27092	NM_014405	CACNG4
A_23_P57277	4,45153	4,36789	1,059688323	ENST00000470800	56911	NM_020152	MAP3K7CL
A_23_P3502	9,41345	9,32981	1,059688323	ENST00000565583	124245	NM_144604	ZC3H18
A_21_P0008370	1,75916	1,67553	1,059680978	ENST00000556684	283587	N/A	LINC01146
A_21_P0003222	1,80735	1,72372	1,059680978	N/A	N/A	N/A	Inc-OXNAD1-2
A_22_P00017017	1,67679	1,59317	1,059673633	ENST00000423232	103695432	N/A	LINC01167
A_22_P00015971	4,54298	4,45936	1,059673633	N/A	N/A	N/A	Inc-TEKT5-1
A_21_P0012470	1,67423	1,59066	1,059636908	N/A	N/A	N/A	XLOC_I2_010449
A_33_P3332541	1,58238	1,49881	1,059636908	N/A	N/A	N/A	N/A
A_22_P00012413	1,76184	1,67829	1,059622218	ENST00000561565	N/A	BC036363	N/A
A_23_P89334	1,77323	1,68971	1,059600184	ENST00000252172	8735	NM_003802	MYH13
A_32_P162374	6,6439	6,56039	1,05959284	ENST00000300091	162681	NM_173529	C18orf54
A_33_P7477170	1,68898	1,60548	1,059585495	ENST00000469060	646168	NR_033843	LINC01330
A_22_P00015324	1,766	1,68252	1,059570807	ENST00000565664	N/A	BC038228	N/A
A_22_P00003909	8,98845	8,90501	1,059541429	N/A	N/A	BG327427	Inc-CERK-1
A_21_P0014255	1,67543	1,592	1,059534085	N/A	N/A	N/A	N/A
A_22_P00023283	1,64573	1,56232	1,059519397	ENST00000451289	101928684	NR_110819	LINC01209
A_21_P0011104	2,34948	2,26607	1,059519397	N/A	N/A	N/A	XLOC_I2_003475
A_33_P3396214	10,623	10,5396	1,059512053	ENST00000572045	79412	NM_172229	KREMEN2
A_21_P0004201	1,71818	1,63479	1,059504709	N/A	N/A	N/A	Inc-C5orf38-1
A_22_P00020360	1,75933	1,67596	1,059490021	N/A	N/A	N/A	Inc-NDUFB4-1
A_21_P0003895	1,75125	1,66788	1,059490021	ENST00000503232	N/A	N/A	N/A
A_33_P3377564	7,6771	7,59374	1,059482678	ENST00000599218	4007	NM_006150	PRICKLE3
A_33_P3261706	1,79511	1,71177	1,05946799	N/A	N/A	N/A	N/A

A_32_P86905	6,44581	6,36247	1,05946799	N/A	654466	NR_003670	KGFLP2
A_21_P0013490	1,69566	1,61233	1,059460646	N/A	N/A	N/A	XLOC_I2_014217
A_33_P3250840	10,9945	10,9112	1,059438616	ENST00000437912	123606	NM_144599	NIPA1
A_23_P106103	1,68325	1,59997	1,059423929	ENST00000320636	9495	NM_004857	AKAP5
A_22_P00000854	4,81196	4,72868	1,059423929	N/A	N/A	N/A	Inc-AGMAT-3
A_22_P00016951	1,71986	1,6366	1,059409242	ENST00000569849	N/A	AF088009	N/A
A_24_P6626	1,76063	1,6774	1,059387213	ENST00000535886	114795	NM_052907	TMEM132B
A_23_P45579	1,80858	1,7254	1,059350498	ENST00000624294	159119	NM_153716	HSFY2
A_21_P0003713	1,67607	1,59289	1,059350498	N/A	N/A	N/A	Inc-NOP14-1
A_23_P120243	2,94252	2,85936	1,059335812	ENST00000331462	3231	NM_024501	HOXD1
A_21_P0014469	1,80885	1,7257	1,05932847	ENST00000417609	100507562	XR_109959	LOC100507562
A_22_P00025560	1,70649	1,62337	1,059306442	N/A	100874086	NR_046636	PCDH9-AS3
A_22_P00015442	1,73238	1,64926	1,059306442	ENST00000357585	6752	AF131798	SSTR2
A_24_P53282	10,1118	10,0287	1,059291757	ENST00000225719	1362	NM_001304	CPD
A_21_P0013427	1,74854	1,66545	1,059284414	ENST00000442649	N/A	XR_426188	N/A
A_24_P529627	1,68927	1,60619	1,059277072	ENST00000390353	N/A	X58809	N/A
A_33_P3334673	1,67465	1,59158	1,05926973	ENST00000395466	9627	NM_005460	SNCAIP
A_33_P3346073	1,6864	1,60335	1,059255045	ENST00000572111	6345	NM_001098814	SRL
A_22_P00000858	3,49027	3,40724	1,059240361	ENST00000531701	100652791	N/A	GS1-24F4.2
A_22_P00002805	13,375	13,292	1,059218335	N/A	400960	NR_033872	PCBP1-AS1
A_33_P3327608	1,79901	1,71602	1,059210993	ENST00000490828	400954	NM_001039753	EML6
A_33_P3290403	8,82845	8,74548	1,059196309	ENST00000383376	3613	NM_014214	IMPA2
A_21_P0004328	1,74129	1,65832	1,059196309	N/A	N/A	N/A	Inc-CCDC99-1
A_22_P00015997	6,61614	6,53318	1,059188967	ENST00000420389	N/A	N/A	N/A
A_33_P3408420	1,84557	1,76264	1,059166942	ENST00000357362	161357	NM_001113498	MDGA2
A_33_P3227029	1,71077	1,62786	1,059152259	ENST00000565347	N/A	AL704257	N/A
A_23_P20882	13,9923	13,9094	1,059144918	ENST00000374050	9550	NM_004888	ATP6V1G1
A_33_P3321577	11,7341	11,6512	1,059144918	ENST00000404251	9031	NM_032408	BAZ1B
A_33_P3250861	1,70301	1,62012	1,059137576	ENST00000370606	7547	N/A	ZIC3
A_22_P00009303	1,74483	1,66197	1,059115552	ENST00000582263	N/A	XM_005257909	N/A
A_22_P00006117	1,67798	1,59513	1,059108211	ENST00000512284	N/A	N/A	N/A
A_33_P3209283	1,69877	1,61596	1,059078847	ENST00000367469	23328	N/A	SASH1
A_33_P3324181	1,67405	1,59125	1,059071506	N/A	283112	AK096599	LOC283112

A_22_P00016522	1,71345	1,63065	1,059071506	ENST00000430079	N/A	N/A	N/A
A_23_P256107	8,29283	8,21004	1,059064165	ENST00000507150	10855	NM_006665	HPSE
A_33_P3309741	3,91963	3,83685	1,059056824	ENST00000463683	255101	NM_001278295	CCDC108
A_23_P306352	1,687	1,60424	1,059042143	ENST00000540313	57529	NM_020769	RGAG1
A_22_P00025125	1,98822	1,90548	1,059027461	N/A	N/A	N/A	Inc-FAM98A-1
A_21_P0001108	1,76016	1,67742	1,059027461	ENST00000424084	N/A	N/A	N/A
A_21_P0007492	1,794	1,71126	1,059027461	ENST00000552639	N/A	N/A	N/A
A_33_P3411122	5,50276	5,42002	1,059027461	N/A	N/A	N/A	N/A
A_21_P0005497	1,77311	1,69039	1,05901278	N/A	N/A	N/A	Inc-FIGNL1-1
A_21_P0008665	1,78532	1,70263	1,058990759	N/A	N/A	N/A	Inc-FAM103A1-2
A_21_P0008126	1,71868	1,63602	1,058968738	N/A	N/A	N/A	Inc-CDC16-1
A_21_P0008412	1,69443	1,6118	1,058946718	N/A	N/A	N/A	Inc-NOVA1-2
A_33_P3307742	1,7692	1,68659	1,058932038	ENST00000419431	54143	NR_038400	LINC00308
A_24_P350622	3,63056	3,54798	1,058910018	ENST00000612389	3805	NM_002255	KIR2DL4
A_22_P00022496	1,67242	1,58984	1,058910018	N/A	N/A	BG191729	Inc-COL19A1-1
A_22_P00010250	4,45885	4,37628	1,058902678	ENST00000415249	N/A	N/A	N/A
A_23_P422044	7,31585	7,23329	1,058895338	ENST00000619750	56113	NM_032009	PCDHGA2
A_33_P3336018	1,73491	1,65236	1,058887999	N/A	N/A	N/A	N/A
A_21_P0002001	1,79124	1,70872	1,05886598	N/A	N/A	N/A	Inc-CMPK2-13
A_33_P3290582	1,77021	1,68772	1,058843962	ENST00000586947	101927433	NR_110778	LINC01255
A_22_P00011287	1,67442	1,59194	1,058836622	N/A	N/A	AK057554	Inc-OR6Y1-1
A_22_P00000634	1,67138	1,58895	1,058799927	ENST00000562248	283860	NR_024347	LINC00304
A_33_P3300032	1,69351	1,61108	1,058799927	N/A	N/A	N/A	N/A
A_24_P320526	9,86256	9,78014	1,058792588	ENST00000374023	64771	NM_024294	C6orf106
A_21_P0010827	2,41521	2,33282	1,058770571	N/A	N/A	N/A	XLOC_I2_001591
A_21_P0009044	3,09848	3,01615	1,058726539	N/A	N/A	N/A	Inc-CDH8-1
A_21_P0000210	8,4613	8,37897	1,058726539	N/A	26773	NR_000010	SNORD4A
A_21_P0000121	1,75557	1,67329	1,058689847	ENST00000425202	342918	NM_001195076	C19orf81
A_23_P107307	7,04192	6,95967	1,058667832	ENST00000545060	9058	NM_003984	SLC13A2
A_23_P388921	1,67826	1,59606	1,058631142	ENST00000358859	196477	BC027600	CCER1
A_22_P00008586	1,76057	1,67837	1,058631142	ENST00000507359	57528	AK091723	KCTD16
A_21_P0001544	5,44731	5,36515	1,058601791	N/A	N/A	N/A	Inc-BARHL2-1
A_21_P0010523	1,78684	1,70469	1,058594453	N/A	N/A	N/A	XLOC_I2_000116

A_22_P00000126	1,68375	1,60161	1,058587116	N/A	102724293	XR_424467	LOC102724293
A_22_P00014881	1,67212	1,59	1,058572441	N/A	N/A	N/A	Inc-SLC6A9-1
A_33_P6607913	13,4571	13,375	1,058557766	ENST00000542165	51503	AK309042	CWC15
A_22_P00025227	1,78482	1,70273	1,058550429	N/A	N/A	N/A	Inc-IL3-3
A_21_P0002622	1,75299	1,6709	1,058550429	ENST00000472844	129401	N/A	NUP35
A_22_P00017706	1,74419	1,66211	1,058543091	N/A	N/A	N/A	Inc-XPO5-1
A_22_P00003019	1,67181	1,58976	1,05852108	N/A	N/A	BX090472	Inc-C7orf11-4
A_22_P00005376	1,7572	1,67517	1,058506406	ENST00000505494	N/A	N/A	N/A
A_23_P160886	2,97968	2,89765	1,058506406	ENST00000333172	80835	NM_138697	TAS1R1
A_21_P0005864	1,80456	1,72254	1,058499069	ENST00000520155	N/A	N/A	N/A
A_21_P0012567	1,67853	1,59652	1,058491732	N/A	N/A	N/A	XLOC_I2_010555
A_24_P75158	11,2863	11,2043	1,058484395	ENST00000377200	375743	NM_001099666	PTAR1
A_23_P75220	10,3971	10,3151	1,058484395	ENST00000370495	81894	NM_031212	SLC25A28
A_21_P0007064	1,81092	1,72896	1,058455048	N/A	N/A	N/A	Inc-C10orf107-1
A_22_P00015994	4,34612	4,26417	1,058447711	N/A	101927750	NR_110274	ATP6V1B1-AS1
A_23_P51787	1,7371	1,65517	1,058433038	ENST00000520113	270	NM_000036	AMPD1
A_33_P3350164	1,7611	1,67919	1,058418365	ENST00000399177	374864	NM_198995	CCDC178
A_21_P0014212	3,7601	3,67819	1,058418365	N/A	N/A	N/A	N/A
A_23_P143906	10,7406	10,6587	1,058411029	ENST00000619577	4291	NM_022443	MLF1
A_22_P00016857	1,70518	1,62328	1,058411029	ENST00000505156	100859921	NR_046215	LINC00536
A_24_P374244	1,7022	1,62031	1,058403693	ENST00000376670	2623	NM_002049	GATA1
A_23_P218369	1,71117	1,6293	1,05838902	ENST00000622526	6358	NM_032963	CCL14
A_19_P00318813	9,05663	8,97478	1,058374348	ENST00000572353	101928738	N/A	LOC101928738
A_21_P0009744	1,75907	1,67722	1,058374348	N/A	N/A	N/A	Inc-AC024563.1-2
A_22_P00002535	2,19392	2,11208	1,058367012	N/A	N/A	N/A	Inc-C17orf58-2
A_21_P0004185	1,67963	1,59779	1,058367012	N/A	N/A	N/A	Inc-PPP2R2B-2
A_22_P00001234	1,78707	1,70523	1,058367012	ENST00000436077	N/A	XR_424107	N/A
A_23_P402919	1,75053	1,6687	1,058359676	ENST00000538312	169966	NM_152630	FAM46D
A_22_P00023661	1,7927	1,71089	1,058345004	ENST00000523178	N/A	BG613421	N/A
A_23_P8558	9,41388	9,33209	1,058330332	ENST00000462381	83451	NM_148912	ABHD11
A_23_P132341	6,72183	6,64004	1,058330332	ENST00000402966	79640	NM_001142964	C22orf46
A_22_P00023855	1,72012	1,63834	1,058322996	ENST00000419326	N/A	N/A	N/A
A_21_P0013495	1,7803	1,69852	1,058322996	ENST00000519550	286184	N/A	LINC01289

A_33_P3221177	4,31566	4,23389	1,058315661	ENST00000382466	253832	NM_153251	ZDHHC20
A_21_P0001186	1,78922	1,7075	1,058278983	ENST00000448643	N/A	N/A	N/A
A_21_P0000339	8,45659	8,37489	1,058264312	N/A	677836	NR_002985	SNORA58
A_33_P3423959	1,73583	1,65413	1,058264312	ENST00000332700	440097	NM_001004329	DBX2
A_21_P0001389	2,15256	2,07086	1,058264312	N/A	N/A	N/A	Inc-RALGPS2-1
A_22_P00008144	6,19558	6,11389	1,058256977	ENST00000422542	101927841	XR_428109	LOC101927841
A_23_P90790	6,84876	6,76707	1,058256977	ENST00000315796	254042	NM_199227	METAP1D
A_22_P00024847	1,70059	1,61894	1,058227636	N/A	102723167	NR_110369	MIR133A1HG
A_22_P00002322	4,10685	4,02521	1,058220301	N/A	100507401	NR_038909	LRP4-AS1
A_24_P354724	1,76694	1,68531	1,058212966	ENST00000326965	117289	NM_054114	TAGAP
A_33_P3402545	1,79925	1,71762	1,058212966	ENST00000494231	285205	NR_015394	LINC00636
A_33_P3368339	6,81042	6,7288	1,058205631	N/A	441457	NM_001045477	NUTM2G
A_23_P389987	5,16669	5,08508	1,058198296	ENST00000621092	3196	NM_016170	TLX2
A_33_P3337604	1,77414	1,69253	1,058198296	ENST00000554611	10858	AB209749	CYP46A1
A_23_P61317	1,67029	1,58873	1,058161622	ENST00000328895	200504	NM_182536	GKN2
A_21_P0006999	1,67235	1,59082	1,058139619	N/A	N/A	N/A	Inc-ZWINT-3
A_22_P00021538	5,65908	5,57758	1,058117616	N/A	N/A	N/A	Inc-OIT3-2
A_33_P3257474	1,6706	1,58911	1,058110281	ENST00000331090	283677	NM_001042367	REC114
A_23_P364437	3,24297	3,16148	1,058110281	ENST00000475158	64072	NM_022124	CDH23
A_22_P00000669	1,69042	1,60895	1,058095613	ENST00000561587	N/A	BC040595	N/A
A_22_P00022741	1,6901	1,60863	1,058095613	ENST00000542064	N/A	BU956244	N/A
A_23_P146274	1,80025	1,71883	1,058058943	ENST00000220876	11075	NM_007029	STMN2
A_21_P0007121	1,76114	1,67975	1,058036941	N/A	N/A	N/A	Inc-EBF3-4
A_33_P3353111	1,70315	1,62176	1,058036941	ENST00000462588	6872	NR_104393	TAF1
A_33_P3789069	1,67577	1,59439	1,058029608	ENST00000502479	400084	NR_034132	LINC00939
A_21_P0010481	5,70045	5,61909	1,05801494	N/A	N/A	N/A	Inc-C22orf26-2
A_21_P0006723	1,67434	1,59298	1,05801494	ENST00000426811	N/A	N/A	N/A
A_22_P00021234	1,68536	1,60401	1,058007607	ENST00000436524	N/A	N/A	N/A
A_33_P3248997	1,6798	1,59848	1,057985606	N/A	N/A	N/A	N/A
A_23_P79108	7,80427	7,723	1,05794894	ENST00000531925	148229	NM_138813	ATP8B3
A_23_P2616	1,69737	1,61612	1,057934274	ENST00000360345	170482	NM_130441	CLEC4C
A_21_P0012162	1,69278	1,61154	1,057926941	ENST00000412405	N/A	N/A	N/A
A_21_P0004257	1,67174	1,59051	1,057919608	N/A	N/A	N/A	Inc-SREK1-1

A_33_P3299047	6,13064	6,04942	1,057912275	N/A	N/A	N/A	N/A
A_23_P20743	13,816	13,7348	1,057897609	ENST00000374851	84302	NM_032342	TMEM246
A_32_P151544	17,3132	17,232	1,057897609	ENST00000388836	3875	NM_000224	KRT18
A_23_P104607	13,0094	12,9282	1,057897609	ENST00000530887	5702	NM_002804	PSMC3
A_21_P0000157	9,52512	9,44394	1,057882944	ENST00000442832	100293516	NM_001204818	ZNF587B
A_23_P143178	1,67993	1,59878	1,057860946	ENST00000217407	3929	NM_004139	LBP
A_33_P3224595	8,93929	8,85815	1,057853613	ENST00000380567	8481	NM_003611	OFD1
A_22_P00022305	1,7973	1,71618	1,057838949	N/A	N/A	N/A	Inc-TMPRSS15-1
A_33_P3239532	5,01613	4,93502	1,057831616	ENST00000413658	7551	NM_017715	ZNF3
A_21_P0001075	1,75745	1,67639	1,057794955	ENST00000430921	N/A	N/A	N/A
A_22_P00024603	1,69461	1,61355	1,057794955	N/A	N/A	N/A	Inc-LARGE-3
A_33_P3226380	7,62405	7,543	1,057787623	ENST00000616947	731275	NR_029401	LINC01347
A_21_P0006110	1,79194	1,71091	1,057772959	N/A	N/A	N/A	Inc-NAIF1-1
A_22_P00011984	1,76893	1,6879	1,057772959	ENST00000534388	N/A	N/A	N/A
A_33_P3415207	5,83247	5,75145	1,057765627	ENST00000616707	4358	AF088036	MPV17
A_19_P00320351	6,07947	5,99846	1,057758295	ENST00000433465	642852	NR_026943	LOC642852
A_21_P0005465	1,68451	1,6035	1,057758295	N/A	N/A	N/A	Inc-AC091801.1.1-5
A_33_P3329607	10,0505	9,96949	1,057758295	ENST00000311481	81876	NM_030981	RAB1B
A_21_P0013395	1,5775	1,49651	1,057743632	ENST00000453194	N/A	N/A	N/A
A_33_P3214446	9,29539	9,2144	1,057743632	ENST00000434425	5983	NM_181558	RFC3
A_21_P0005045	1,85996	1,77899	1,057728969	N/A	N/A	N/A	Inc-ASCC3-1
A_23_P427114	6,29549	6,21454	1,057714305	ENST00000431601	64689	NM_031899	GORASP1
A_22_P00020026	1,79207	1,71113	1,057706974	N/A	N/A	BX106941	Inc-C6orf120-1
A_22_P00018358	6,00771	5,92677	1,057706974	N/A	101927196	NR_110214	LOC101927196
A_33_P3242909	4,63208	4,55117	1,05768498	ENST00000293725	147837	NM_145276	ZNF563
A_33_P3260634	1,70697	1,62607	1,057677648	ENST00000378473	5332	NM_001172646	PLCB4
A_21_P0003803	1,70005	1,61917	1,057662986	N/A	N/A	N/A	Inc-RP11-487E13.1.1-1
A_22_P00012451	1,69062	1,60975	1,057655655	N/A	N/A	N/A	Inc-PRPF18-6
A_21_P0008782	1,73094	1,65008	1,057648324	ENST00000554542	100144604	NR_021493	LINC00930
A_22_P00004037	1,75999	1,67913	1,057648324	N/A	N/A	N/A	Inc-CHRM4-1
A_33_P3412468	5,88586	5,80502	1,057633662	ENST00000411689	9481	NM_004277	SLC25A27
A_21_P0006851	1,71469	1,63386	1,057626331	N/A	N/A	N/A	Inc-LYZL1-1
A_22_P00017725	1,66861	1,58779	1,057619	N/A	N/A	BU852551	Inc-XRN2-1

A_23_P124733	8,89875	8,81794	1,057611669	ENST00000311461	27235	NM_015697	COQ2
A_23_P324994	8,10848	8,0277	1,057589677	ENST00000521082	55975	NM_018846	KLHL7
A_21_P0010187	1,74463	1,66389	1,057560355	ENST00000441465	N/A	N/A	N/A
A_21_P0000042	1,77564	1,69491	1,057553024	ENST00000537690	729665	NM_001164399	CCDC175
A_21_P0007595	1,68563	1,6049	1,057553024	ENST00000551399	101928420	NR_120468	LINC01490
A_33_P3315149	3,03854	2,95781	1,057553024	N/A	80072	NR_027262	HEXA-AS1
A_22_P00007465	1,78189	1,70118	1,057538364	N/A	N/A	N/A	Inc-GTF2B-4
A_33_P3417459	6,48688	6,40617	1,057538364	N/A	100158262	NR_023358	SCARNA9L
A_22_P00004945	1,5727	1,492	1,057531033	ENST00000556182	N/A	AK097819	N/A
A_21_P0001943	1,71789	1,6372	1,057523703	ENST00000424170	101927156	N/A	LOC101927156
A_22_P00012361	1,76752	1,68684	1,057516373	N/A	N/A	N/A	Inc-PREX1-1
A_22_P00021327	4,37216	4,29149	1,057509043	N/A	N/A	N/A	Inc-TMEM85-1
A_22_P00014988	1,70966	1,62901	1,057494383	ENST00000490320	401097	NM_001168214	C3orf80
A_33_P3260342	1,71881	1,63816	1,057494383	ENST00000339876	23114	NM_001005388	NFASC
A_33_P3368301	9,11189	9,03126	1,057479723	ENST00000505182	388962	NM_212552	BOLA3
A_21_P0005643	1,69894	1,61831	1,057479723	N/A	N/A	N/A	Inc-DLGAP2-3
A_22_P00002318	2,01252	1,9319	1,057472393	N/A	100874281	NR_046820	NTM-IT
A_21_P0005482	1,76735	1,68675	1,057457733	N/A	N/A	N/A	Inc-HNRNPA2B1-1
A_33_P3312209	3,22362	3,14302	1,057457733	ENST00000503531	N/A	N/A	N/A
A_24_P750817	1,68764	1,60706	1,057443074	ENST00000441389	147710	NM_001205280	IGSF23
A_33_P3268275	1,77016	1,68959	1,057435744	ENST00000309296	N/A	N/A	N/A
A_33_P3414594	1,75985	1,67929	1,057428415	ENST00000505005	9970	NM_001077474	NR1I3
A_33_P3257643	1,92462	1,84407	1,057421085	ENST00000409464	284071	BC035159	C17orf104
A_22_P00006540	1,78275	1,7022	1,057421085	ENST00000458693	N/A	N/A	N/A
A_33_P3279715	9,36234	9,28179	1,057421085	ENST00000381373	115426	NM_152896	UHRF2
A_33_P3294342	1,76945	1,68892	1,057406427	N/A	N/A	N/A	N/A
A_33_P3264346	7,33967	7,25916	1,057391768	ENST00000572086	N/A	N/A	N/A
A_33_P3327587	4,64704	4,56653	1,057391768	N/A	100127904	BC065739	LOC100127904
A_21_P0003889	4,73087	4,65038	1,057377109	ENST00000504402	730971	N/A	FLJ36777
A_22_P00023229	1,70412	1,62363	1,057377109	ENST00000564872	388456	XR_243815	LOC388456
A_22_P00012047	8,28145	8,20096	1,057377109	N/A	N/A	AA577485	Inc-PLEKHG6-1
A_22_P00007549	5,74573	5,66526	1,057362451	N/A	101929147	XR_246408	LOC101929147
A_33_P3248539	4,72462	4,64415	1,057362451	ENST00000372031	3933	NM_001252617	LCN1

A_33_P3250165	1,78661	1,70615	1,057355122	ENST00000411762	57471	DQ334271	ERMN
A_21_P0002291	1,79162	1,71117	1,057347793	N/A	N/A	N/A	Inc-RAB6C-4
A_22_P00019930	1,68047	1,60004	1,057333135	ENST00000420548	N/A	N/A	N/A
A_33_P3423595	1,72048	1,64005	1,057333135	N/A	100128529	AK127522	LOC100128529
A_33_P3322664	1,80043	1,72002	1,057318478	ENST00000318244	N/A	N/A	N/A
A_23_P373724	11,4328	11,3524	1,057311149	ENST00000537927	8496	NM_003622	PPFIBP1
A_22_P00012295	1,75225	1,67185	1,057311149	N/A	N/A	N/A	Inc-PPP3CA-1
A_21_P0003099	1,76099	1,68062	1,057289163	N/A	N/A	N/A	Inc-AC018816.3.1-7
A_21_P0011154	1,69426	1,6139	1,057281834	N/A	N/A	N/A	XLOC_I2_003810
A_33_P3348629	1,76358	1,68322	1,057281834	ENST00000503645	3346	NM_002159	HTN1
A_33_P3237709	1,68601	1,60565	1,057281834	N/A	N/A	AK098514	N/A
A_21_P0002880	1,75154	1,67122	1,057252521	N/A	N/A	N/A	Inc-RYK-1
A_33_P3285965	1,80125	1,72099	1,057208552	ENST00000295108	4760	NM_002500	NEUROD1
A_33_P3293049	1,7593	1,67906	1,057193896	ENST00000374949	3117	NM_002122	HLA-DQA1
A_23_P76460	1,69618	1,61595	1,057186568	ENST00000228641	4618	NM_002469	MYF6
A_21_P0000218	7,61569	7,53546	1,057186568	ENST00000476268	26816	NR_000018	SNORD35A
A_22_P00008833	1,7912	1,71102	1,057149929	ENST00000446206	N/A	N/A	N/A
A_33_P3339741	3,47705	3,39688	1,057142602	N/A	N/A	N/A	N/A
A_21_P0003823	1,67996	1,59979	1,057142602	N/A	N/A	N/A	Inc-PDE6B-1
A_21_P0014457	1,75955	1,67943	1,057105965	N/A	N/A	N/A	N/A
A_33_P3386463	2,845	2,76488	1,057105965	ENST00000560794	N/A	N/A	N/A
A_33_P3378920	13,8205	13,7404	1,05709131	ENST00000408993	100526737	NM_001198845	RBM14-RBM4
A_23_P11397	3,07512	2,99507	1,057054675	ENST00000330337	83868	NR_001537	TTY13
A_24_P374586	9,61802	9,53798	1,057047348	ENST00000418756	5395	NM_000535	PMS2
A_21_P0002507	1,76496	1,68495	1,057025367	N/A	N/A	N/A	Inc-CXCR4-1
A_21_P0003055	1,723	1,64303	1,056996061	N/A	N/A	N/A	Inc-SERPINI1-9
A_33_P3376838	1,6913	1,61133	1,056996061	ENST00000367661	60676	NM_021936	PAPPA2
A_21_P0008814	1,73456	1,65463	1,056966755	N/A	N/A	N/A	Inc-C15orf2-2
A_33_P3330991	6,7727	6,69278	1,056959429	N/A	100134237	XR_248772	LOC100134237
A_33_P3403748	14,0748	13,9949	1,056944776	ENST00000531323	790955	NM_001085372	UQCC3
A_33_P3287263	12,7222	12,6423	1,056944776	ENST00000439561	1315	NM_016451	COPB1
A_22_P00019066	1,69275	1,61289	1,056915472	N/A	201477	NR_038895	DLGAP1-AS3
A_33_P3285602	1,67039	1,59053	1,056915472	ENST00000372451	N/A	N/A	N/A



A_21_P0003118	1,72111	1,64125	1,056915472	N/A	N/A	N/A	Inc-POC1A-1
A_22_P00020221	1,68634	1,60652	1,056886168	N/A	N/A	BX648926	Inc-BTBD17-1
A_21_P0011419	3,45986	3,38006	1,056871517	ENST00000545970	5310	NM_000296	PKD1
A_21_P0004553	1,71522	1,63542	1,056871517	N/A	N/A	N/A	Inc-MARCH11-1
A_21_P0009107	1,71196	1,63217	1,056864191	N/A	N/A	N/A	Inc-CDH5-4
A_22_P00020578	1,66644	1,58667	1,05684954	ENST00000515292	102723778	N/A	LOC102723778
A_33_P3328882	1,71649	1,63673	1,056842215	ENST00000433887	N/A	N/A	N/A
A_22_P00005001	1,7366	1,65685	1,056834889	N/A	N/A	N/A	Inc-DDI1-1
A_33_P3346538	5,78537	5,70565	1,056812913	N/A	N/A	N/A	Inc-WWP2-1
A_24_P339560	1,69257	1,61286	1,056805588	ENST00000426296	114132	NM_052884	SIGLEC11
A_33_P3277323	15,6024	15,5227	1,056798263	ENST00000495104	N/A	N/A	N/A
A_24_P134266	13,5588	13,4791	1,056798263	ENST00000618112	682	NM_001728	BSG
A_21_P0012263	5,0185	4,93886	1,056754313	N/A	N/A	N/A	XLOC_I2_009332
A_22_P00022906	1,752	1,67236	1,056754313	ENST00000423489	N/A	N/A	N/A
A_32_P48134	1,74761	1,66798	1,056746988	ENST00000608790	220115	NR_002793	TPTE2P3
A_33_P3397298	9,06449	8,98486	1,056746988	ENST00000550416	N/A	N/A	N/A
A_33_P3318736	1,77294	1,69333	1,056732338	N/A	N/A	N/A	N/A
A_22_P00025833	5,55799	5,4784	1,056717689	N/A	N/A	N/A	Inc-PAX9-4
A_21_P0013715	1,76378	1,6842	1,056710364	ENST00000515723	N/A	N/A	N/A
A_33_P3309984	1,73757	1,65806	1,056659094	ENST00000260599	3795	NM_000221	KHK
A_33_P3292179	14,6231	14,5436	1,056651769	ENST00000340001	10350	NM_080283	ABCA9
A_33_P3227320	10,067	9,98751	1,056644445	ENST00000452157	166968	NM_001297598	MIER3
A_21_P0002797	2,64829	2,56886	1,056600502	ENST00000494887	N/A	N/A	N/A
A_33_P3307886	8,67563	8,5962	1,056600502	ENST00000594154	6915	NM_001060	TBXA2R
A_21_P0010903	1,71498	1,63556	1,056593178	N/A	N/A	N/A	XLOC_I2_002110
A_22_P00004982	1,68393	1,60451	1,056593178	N/A	90768	NR_125905	LOC90768
A_22_P00004449	1,70744	1,62805	1,056571207	ENST00000505348	N/A	N/A	N/A
A_22_P00002541	2,89056	2,81118	1,056563883	N/A	N/A	N/A	Inc-C17orf62-2
A_33_P3311717	6,39369	6,31432	1,05655656	ENST00000551557	7050	NM_173209	TGIF1
A_33_P3234442	1,60856	1,52925	1,05651262	N/A	N/A	N/A	N/A
A_23_P415643	9,23019	9,15089	1,056505297	ENST00000613509	197407	NM_152652	ZNF48
A_22_P00025021	1,66673	1,58744	1,056497974	N/A	N/A	CR737344	Inc-RP11-1105G2.3.1-1
A_23_P117734	9,69496	9,61568	1,05649065	ENST00000479791	145748	NM_152449	LYSMD4

A_32_P157927	1,76546	1,68618	1,05649065	ENST00000390243	N/A	S62210	N/A
A_23_P113553	1,71582	1,63655	1,056483327	ENST00000355220	4110	NM_001011544	MAGEA11
A_23_P411235	1,89321	1,81395	1,056476004	ENST00000392620	146723	NM_152460	C17orf77
A_24_P136683	7,27843	7,19917	1,056476004	ENST00000380333	340591	NR_026551	CA5BP1
A_23_P337424	8,21738	8,13812	1,056476004	ENST00000370994	26135	NM_001018067	SERBP1
A_24_P558365	1,74038	1,66115	1,056454036	ENST00000360464	646486	NM_001105281	FABP12
A_21_P0013728	11,456	11,3768	1,056432068	ENST00000376334	2483	NM_004477	FRG1
A_33_P3699565	1,70047	1,62129	1,056417423	N/A	285422	AL832228	LOC285422
A_24_P928217	7,90558	7,82644	1,056388133	ENST00000430297	79137	NM_024293	FAM134A
A_22_P00009645	1,72598	1,64685	1,056380811	N/A	N/A	N/A	Inc-MAST2-1
A_21_P0005528	1,7302	1,6511	1,056358844	N/A	N/A	N/A	Inc-PAX4-1
A_33_P3306983	15,6785	15,5994	1,056358844	ENST00000388857	280636	NM_170746	C11orf31
A_33_P3384255	2,19525	2,11616	1,056351522	N/A	N/A	N/A	N/A
A_33_P3297244	4,44588	4,36681	1,056336878	ENST00000618498	246176	NM_139285	GAS2L2
A_33_P3210647	6,31544	6,23638	1,056329556	ENST00000373672	1307	NM_001856	COL16A1
A_33_P3224996	6,90025	6,82121	1,056314912	N/A	100507419	NR_123723	MMP25-AS1
A_21_P0008143	1,71592	1,63688	1,056314912	N/A	N/A	N/A	Inc-STOML3-2
A_21_P0006114	1,75901	1,67999	1,056300269	N/A	N/A	N/A	Inc-C9orf104-1
A_21_P0008107	3,53404	3,45505	1,056278304	N/A	101927361	XR_243058	LOC101927361
A_23_P102681	4,8897	4,81072	1,056270982	ENST00000598340	79160	NR_125359	LOC79160
A_21_P0003156	1,68154	1,60256	1,056270982	ENST00000497811	151658	NR_024276	LINC00635
A_21_P0003061	1,72934	1,65036	1,056270982	ENST00000481679	254827	N/A	NAALADL2
A_19_P00315764	7,49116	7,41219	1,056263661	N/A	644277	XR_110541	LOC644277
A_22_P00001360	1,66523	1,58628	1,056249018	ENST00000580378	645355	NR_038839	MIR3976HG
A_21_P0008435	3,48253	3,40359	1,056241697	N/A	N/A	N/A	Inc-NEMF-1
A_22_P00000403	3,33792	3,25899	1,056234375	ENST00000583416	N/A	N/A	N/A
A_22_P00008083	7,50659	7,42766	1,056234375	N/A	101929761	XR_428452	LOC101929761
A_23_P143643	9,34778	9,26886	1,056227054	ENST00000397771	84164	NM_032204	ASCC2
A_33_P3582789	1,66488	1,58596	1,056227054	N/A	101927980	NR_110899	SLC14A2-AS1
A_23_P152356	9,67094	9,59202	1,056227054	ENST00000396870	7752	NM_003454	ZNF200
A_22_P00002352	1,69576	1,61686	1,056212412	ENST00000550506	101928449	NR_110089	LOC101928449
A_23_P983	15,1647	15,0858	1,056212412	ENST00000470017	9588	NM_004905	PRDX6
A_21_P0003293	3,16397	3,08508	1,056205091	N/A	N/A	N/A	Inc-RETNLB-1

A_21_P0009199	1,78368	1,70479	1,056205091	ENST00000514726	101927274	N/A	LOC101927274
A_22_P00001329	1,7694	1,69051	1,056205091	ENST00000560503	N/A	CN264022	N/A
A_33_P3230409	1,87244	1,79355	1,056205091	ENST00000458091	N/A	N/A	N/A
A_21_P0011059	1,78893	1,71009	1,056168486	N/A	N/A	N/A	XLOC_I2_003072
A_21_P0000971	1,67619	1,59736	1,056161165	ENST00000439795	N/A	N/A	N/A
A_33_P3312751	1,78059	1,70179	1,056139203	N/A	729159	NM_001282301	LOC729159
A_21_P0003670	1,74644	1,66765	1,056131883	N/A	100505784	XR_109853	LOC100505784
A_22_P00014871	1,77279	1,69401	1,056124562	N/A	N/A	N/A	Inc-SLC6A12-4
A_21_P0011865	1,74883	1,67005	1,056124562	N/A	N/A	N/A	XLOC_I2_007595
A_21_P0000107	9,23673	9,15798	1,056102601	ENST00000544824	100288485	NM_001190489	MTRNR2L7
A_33_P3282364	3,79637	3,71762	1,056102601	N/A	102725343	XR_424311	LOC102725343
A_21_P0010248	1,68967	1,61096	1,05607332	N/A	N/A	N/A	Inc-B3GALT5-1
A_21_P0000066	1,76969	1,69101	1,05605136	ENST00000425133	90736	NM_001166703	FAM104B
A_22_P00008179	1,7341	1,65543	1,05604404	N/A	N/A	N/A	Inc-INPPL1-3
A_23_P372771	8,19544	8,11677	1,05604404	ENST00000566894	57184	NM_020447	FAM219B
A_23_P388220	2,7823	2,70365	1,0560294	ENST00000521268	138046	NM_173848	RALYL
A_33_P3230478	5,74248	5,66388	1,055992801	ENST00000403949	716	NM_201442	C1S
A_21_P0011678	12,5479	12,4693	1,055992801	ENST00000351328	1431	NM_004077	CS
A_32_P221452	8,60215	8,52358	1,055970843	ENST00000273375	285282	NM_173825	RABL3
A_23_P84629	8,41614	8,33758	1,055963523	ENST00000584838	5986	NM_002917	RFNG
A_21_P0011473	3,38293	3,30437	1,055963523	N/A	N/A	N/A	XLOC_I2_005458
A_23_P373521	1,87107	1,79256	1,055926927	ENST00000503024	9464	NM_021973	HAND2
A_22_P00015127	4,07233	3,99383	1,055919608	N/A	N/A	N/A	Inc-SNX27-2
A_23_P10591	12,6533	12,5748	1,055919608	ENST00000320095	284207	NM_001004431	METRNL
A_21_P0008341	1,77499	1,6965	1,055912289	N/A	N/A	N/A	Inc-PELI2-4
A_33_P3306397	9,59947	9,52099	1,05590497	N/A	9391	NM_004804	CIAO1
A_21_P0013357	1,73686	1,65842	1,055875695	N/A	N/A	N/A	XLOC_I2_014055
A_22_P00016853	1,75568	1,67725	1,055868376	N/A	103752585	NR_125791	RORB-AS1
A_23_P51679	10,0296	9,95118	1,055861057	ENST00000360595	4209	NM_005920	MEF2D
A_21_P0008699	1,74713	1,66872	1,055853738	N/A	N/A	N/A	Inc-ALDH1A3-1
A_21_P0014555	1,68752	1,60911	1,055853738	ENST00000556434	100506446	XR_110289	LOC100506446
A_23_P72068	9,90145	9,82304	1,055853738	ENST00000530459	2762	NM_001500	GMDS
A_33_P3344308	11,9944	11,916	1,05584642	ENST00000476858	54840	NM_001195249	APTX

A_22_P00015555	5,45583	5,37744	1,055839101	N/A	100287616	NR_040067	LOXL1-AS1
A_22_P00000727	1,72722	1,64884	1,055831783	ENST00000551279	N/A	N/A	N/A
A_21_P0001035	1,6794	1,60106	1,055802509	N/A	N/A	N/A	Inc-HMCN1-2
A_22_P00014464	1,79735	1,71901	1,055802509	ENST00000517916	N/A	BE298022	N/A
A_21_P0012772	2,1718	2,09347	1,055795191	ENST00000514877	N/A	N/A	N/A
A_33_P3276585	3,96295	3,88464	1,055780555	ENST00000429045	80173	NM_001099224	IFT74
A_21_P0004132	1,7604	1,68209	1,055780555	ENST00000512882	100506526	N/A	LOC100506526
A_23_P60028	15,1568	15,0785	1,055773237	ENST00000520242	6921	NM_005648	TCEB1
A_33_P3272527	8,12676	8,04849	1,055751283	ENST00000416600	57506	NM_001206491	MAVS
A_21_P0004269	1,71794	1,63967	1,055751283	N/A	N/A	N/A	Inc-CMYA5-1
A_22_P00021465	1,66477	1,58652	1,055736647	ENST00000358748	401554	XR_108962	FLJ46836
A_33_P3212316	4,80286	4,72462	1,055729329	N/A	N/A	N/A	N/A
A_33_P3365167	1,80638	1,72814	1,055729329	ENST00000344089	4842	NM_001204218	NOS1
A_22_P00014203	1,70539	1,62718	1,055707376	ENST00000441371	89866	BC108267	SEC16B
A_33_P3370109	5,69075	5,61255	1,055700059	ENST00000311489	3612	NM_001144879	IMPA1
A_21_P0012947	1,80308	1,72489	1,055692741	ENST00000513175	N/A	XR_425908	N/A
A_21_P0013196	5,39944	5,32126	1,055685424	ENST00000617077	101928976	N/A	LOC101928976
A_23_P252758	2,7706	2,69247	1,055648837	ENST00000470850	3792	NM_000420	KEL
A_24_P740705	12,2049	12,1268	1,055626886	ENST00000491966	91582	NM_194326	RPS19BP1
A_33_P3241334	1,76666	1,68856	1,055626886	ENST00000595404	5678	AK056754	PSG9
A_32_P192692	2,18293	2,10484	1,055619569	ENST00000604624	3778	NM_001014797	KCNMA1
A_22_P00001452	1,70654	1,62848	1,055597618	N/A	N/A	N/A	Inc-APOL1-2
A_23_P58854	1,75943	1,68141	1,055568351	ENST00000398754	7478	NM_058244	WNT8A
A_24_P305050	1,74299	1,66502	1,055531768	ENST00000317310	146894	NM_145273	CD300LG
A_22_P00009081	2,13938	2,06141	1,055531768	N/A	101927051	NR_109952	LOC101927051
A_21_P0012048	5,72418	5,64621	1,055531768	ENST00000429456	102723927	N/A	LOC102723927
A_21_P0008009	3,49757	3,41962	1,055517136	ENST00000453832	642345	N/A	MIR4500HG
A_22_P00006639	1,72608	1,64813	1,055517136	ENST00000555350	100505967	NR_039992	LINC00645
A_23_P101038	1,716	1,63807	1,055502503	ENST00000411528	83900	NM_031962	KRTAP9-3
A_21_P0006346	5,40072	5,32282	1,055480555	N/A	N/A	N/A	Inc-PRSS3-1
A_21_P0002623	1,78492	1,70703	1,055473239	N/A	N/A	N/A	Inc-CPO-1
A_24_P177531	1,69025	1,61239	1,055451291	ENST00000502926	56120	NR_001297	PCDHGB8P
A_21_P0007869	4,23498	4,15713	1,055443975	N/A	N/A	N/A	Inc-RP11-277P12.7.1-3

A_33_P3385371	1,67861	1,60079	1,055422028	ENST00000373518	645996	NR_027291	NAP1L6
A_22_P00012167	4,29765	4,21986	1,055400081	ENST00000565129	N/A	N/A	N/A
A_21_P0006745	1,73288	1,6551	1,055392766	N/A	N/A	N/A	Inc-CUL2-1
A_22_P00022217	1,78777	1,70999	1,055392766	ENST00000528183	N/A	CR745046	N/A
A_33_P3318653	2,93682	2,85904	1,055392766	ENST00000383696	79295	NM_001005479	OR5H6
A_22_P00015625	1,72574	1,64797	1,055385451	N/A	N/A	BX103878	Inc-SULF1-3
A_22_P00003679	1,7829	1,70518	1,055348874	ENST00000454538	102725521	N/A	LOC102725521
A_21_P0000728	4,28281	4,2051	1,055341559	N/A	100506451	NR_038227	RASSF8-AS1
A_23_P166826	12,3208	12,2431	1,055334244	ENST00000294241	55802	NM_018403	DCP1A
A_33_P3316639	10,7111	10,6334	1,055334244	ENST00000486404	51652	NM_001193517	CHMP3
A_21_P0007977	3,70492	3,62722	1,055334244	N/A	102723332	N/A	LINC00412
A_21_P0005496	1,80098	1,72331	1,055312299	N/A	N/A	N/A	Inc-ZPBP-3
A_22_P00007795	1,71641	1,63875	1,055304985	N/A	N/A	N/A	Inc-HNRPLL-2
A_22_P00018519	1,7077	1,63004	1,055304985	N/A	N/A	N/A	Inc-MIS18A-3
A_33_P3269109	2,10139	2,02373	1,055304985	ENST00000512983	2982	N/A	GUCY1A3
A_22_P00009331	5,2009	5,12326	1,055290355	ENST00000565615	57554	BX648061	LRRC7
A_23_P158555	1,727	1,64938	1,055275726	ENST00000449082	6336	NM_006514	SCN10A
A_23_P78595	1,6623	1,58469	1,055268411	ENST00000401445	90273	NM_033543	CEACAM21
A_21_P0010289	1,76396	1,68635	1,055268411	N/A	N/A	N/A	Inc-SIK1-1
A_23_P26314	7,59044	7,51285	1,055253782	ENST00000299237	57567	NM_020807	ZNF319
A_22_P00009030	1,7857	1,70811	1,055253782	ENST00000503815	N/A	N/A	N/A
A_33_P3343066	1,76914	1,69155	1,055253782	ENST00000370296	5076	NM_003988	PAX2
A_22_P00001206	1,80136	1,72378	1,055246468	N/A	102725145	XR_431882	LOC102725145
A_21_P0000404	1,71779	1,64022	1,055239153	N/A	767583	NR_003199	SNORD114-7
A_22_P00021707	1,76628	1,68873	1,055224525	N/A	N/A	N/A	Inc-C7orf62-2
A_22_P00014606	4,02186	3,94431	1,055224525	ENST00000545739	101927616	NR_110057	LOC101927616
A_33_P3391517	5,9505	5,87295	1,055224525	ENST00000560945	79856	XM_005254677	SNX22
A_21_P0011365	3,86907	3,79153	1,05521721	ENST00000564702	N/A	N/A	N/A
A_23_P133279	9,76902	9,69148	1,05521721	N/A	134145	NM_199133	FAM173B
A_21_P0004504	2,45533	2,3778	1,055209896	N/A	101928505	N/A	LOC101928505
A_33_P3331966	1,66238	1,58486	1,055202582	ENST00000306687	26245	NM_017504	OR2M4
A_33_P3250263	1,75616	1,67864	1,055202582	N/A	N/A	N/A	N/A
A_22_P00004896	5,71151	5,634	1,055195268	ENST00000557232	N/A	N/A	N/A

A_22_P00000777	1,66397	1,58647	1,055187954	ENST00000421481	N/A	N/A	N/A
A_33_P3360886	5,39181	5,31433	1,055173326	N/A	N/A	N/A	N/A
A_33_P3806721	8,13497	8,05749	1,055173326	ENST00000441782	79831	NM_001145348	KDM8
A_33_P3265104	7,20953	7,13206	1,055166012	ENST00000451454	10531	NM_001242307	PITRM1
A_21_P0009979	1,80153	1,72407	1,055158698	N/A	N/A	N/A	Inc-MC3R-2
A_22_P00004834	1,97866	1,90122	1,055144071	ENST00000562795	N/A	BC035679	N/A
A_23_P26294	15,2166	15,1392	1,055114816	ENST00000234798	25823	NM_012467	TPSG1
A_33_P3320017	1,79329	1,7159	1,055107503	ENST00000616459	442117	NM_001034845	GALNTL6
A_21_P0008387	2,64313	2,56576	1,055092876	N/A	N/A	N/A	Inc-DLK1-2
A_21_P0004601	1,76284	1,68549	1,05507825	N/A	N/A	N/A	Inc-MANEA-3
A_33_P3337742	7,86523	7,7879	1,055063623	N/A	N/A	N/A	N/A
A_24_P161233	1,59579	1,51846	1,055063623	ENST00000392363	N/A	N/A	N/A
A_23_P200493	12,8312	12,7539	1,055041684	ENST00000338179	3930	NM_002296	LBR
A_24_P80204	13,4447	13,3674	1,055041684	ENST00000272462	7851	NM_005434	MALL
A_23_P71889	7,69829	7,62099	1,055041684	ENST00000546203	4957	NM_153437	ODF2
A_33_P3354203	5,29673	5,21944	1,055034371	ENST00000534263	4745	AB085898	NELL1
A_33_P3243667	3,17214	3,09486	1,055027058	ENST00000343776	339500	NM_178549	ZNF678
A_22_P00015763	7,81302	7,73574	1,055027058	ENST00000582726	N/A	N/A	N/A
A_21_P0002812	1,78063	1,70339	1,054997807	ENST00000462382	N/A	N/A	N/A
A_22_P00008290	1,72583	1,64861	1,054983182	ENST00000412218	N/A	DB443437	N/A
A_23_P79836	13,4189	13,3417	1,054968557	ENST00000342374	10955	NM_006811	SERINC3
A_22_P00007327	3,75628	3,6791	1,054953932	N/A	N/A	N/A	Inc-GPR83-1
A_22_P00021845	3,21223	3,1351	1,05491737	ENST00000534086	N/A	XM_006718601	N/A
A_21_P0014289	1,6908	1,61368	1,054910058	N/A	101060553	NR_120398	LOC101060553
A_33_P3287158	1,71841	1,64129	1,054910058	ENST00000381092	57502	NM_001282145	NLGN4X
A_21_P0013627	4,94311	4,866	1,054902746	ENST00000421828	730098	XR_113195	LOC730098
A_21_P0010455	11,1887	11,1116	1,054895434	N/A	N/A	N/A	Inc-C22orf26-5
A_21_P0001162	1,76387	1,68677	1,054895434	ENST00000447916	N/A	N/A	N/A
A_33_P3331228	1,66249	1,58548	1,054829629	ENST00000390603	N/A	AY505570	N/A
A_32_P6344	1,75212	1,67511	1,054829629	ENST00000536413	6416	NM_003010	MAP2K4
A_22_P00002981	1,71334	1,63634	1,054822317	N/A	N/A	AK126969	Inc-C6orf125-1
A_24_P167377	4,14047	4,06349	1,054807694	ENST00000309675	121130	NM_206899	OR10P1
A_33_P3737979	5,68468	5,60772	1,054793072	N/A	677773	DW407923	SCARNA23

A_22_P00009418	1,79479	1,71785	1,054778449	N/A	N/A	BX508437	Inc-LYN-1
A_22_P00016352	1,75912	1,68218	1,054778449	ENST00000513280	N/A	N/A	N/A
A_24_P196851	9,67385	9,59704	1,054683408	ENST00000314888	7094	NM_006289	TLN1
A_22_P00024913	1,7414	1,6646	1,054676098	ENST00000490465	100507461	XR_108504	LOC100507461
A_33_P3308764	3,43118	3,35439	1,054668787	ENST00000465764	6258	NR_033824	RXRG
A_24_P179816	9,80371	9,72693	1,054661477	ENST00000468044	11000	NM_024330	SLC27A3
A_21_P0000733	1,70334	1,62658	1,054646856	ENST00000420529	100507629	NR_038239	LINC00658
A_22_P00003549	1,72008	1,64332	1,054646856	N/A	N/A	N/A	Inc-CCR8-1
A_21_P0014312	13,7002	13,6235	1,054602996	ENST00000563192	100507303	XR_111621	SNHG19
A_23_P161368	1,68618	1,60948	1,054602996	ENST00000479946	1558	NM_000770	CYP2C8
A_24_P606538	1,83344	1,75675	1,054595686	ENST00000374458	449520	NR_028361	GGNBP1
A_22_P00001995	1,78945	1,71278	1,054581066	ENST00000415940	N/A	N/A	N/A
A_21_P0014545	1,75714	1,68051	1,054551827	N/A	100507513	XR_110261	LOC100507513
A_21_P0004256	1,75683	1,6802	1,054551827	N/A	N/A	N/A	Inc-CWC27-1
A_22_P00014599	10,299	10,2224	1,054529899	N/A	N/A	AK026896	Inc-SLC15A1-1
A_24_P307572	8,12641	8,04983	1,05451528	ENST00000553025	88455	NM_033121	ANKRD13A
A_21_P0012169	1,73732	1,66075	1,054507971	N/A	N/A	N/A	XLOC_I2_008979
A_24_P363896	9,12535	9,04878	1,054507971	ENST00000468565	85301	NM_032888	COL27A1
A_24_P256243	5,92159	5,84503	1,054500661	ENST00000476392	6757	NM_175698	SSX2
A_21_P0012117	1,73723	1,66071	1,054471425	N/A	N/A	N/A	XLOC_I2_008815
A_23_P131990	4,5599	4,48339	1,054464116	ENST00000557285	30813	NM_014588	VSX1
A_21_P0004031	1,67351	1,597	1,054464116	ENST00000511323	N/A	N/A	N/A
A_24_P693321	10,7074	10,6309	1,054456807	ENST00000356156	100190986	NR_024456	LOC100190986
A_24_P100368	9,23845	9,16196	1,054449498	ENST00000432389	6990	NM_006520	DYNLT3
A_24_P60845	5,62964	5,55317	1,05443488	ENST00000442452	43	NM_000665	ACHE
A_32_P156373	3,9717	3,89525	1,054420263	N/A	102725134	XR_431880	LOC102725134
A_22_P00022674	4,28515	4,20872	1,054405646	N/A	N/A	BC017766	Inc-POLR1E-1
A_24_P40626	1,71802	1,6416	1,054398337	ENST00000318160	64388	NM_022469	GREM2
A_33_P3353662	1,663	1,58658	1,054398337	ENST00000382387	157983	NM_152569	C9orf66
A_22_P00013760	1,69739	1,62098	1,054391028	N/A	N/A	N/A	Inc-RP11-90J19.1.1-2
A_33_P6817399	7,56286	7,48645	1,054391028	ENST00000577000	284185	NR_038080	LINC00482
A_22_P00022392	2,00192	1,92554	1,054369103	N/A	N/A	N/A	Inc-GTDC1-3
A_33_P3402257	4,77611	4,69974	1,054361795	ENST00000529108	728588	XM_006709948	MS4A18

A_33_P3248420	7,84206	7,7657	1,054354487	ENST00000443595	222234	NM_001145268	FAM185A
A_23_P167723	1,73567	1,65933	1,05433987	ENST00000297158	26223	NM_012159	FBXL21
A_21_P0000682	10,1584	10,0821	1,054310638	ENST00000415414	100527964	NR_037642	LHX4-AS1
A_22_P00021622	1,66386	1,58758	1,054296022	ENST00000528480	102724915	N/A	LOC102724915
A_33_P3495120	1,7657	1,68944	1,054281407	N/A	285025	AL832777	CCDC141
A_24_P721699	1,66632	1,59007	1,054274099	N/A	503538	AK027222	A1BG-AS1
A_33_P3355004	1,67812	1,60187	1,054274099	N/A	1644	NM_001242890	DDC
A_22_P00002024	1,86247	1,78624	1,054259484	N/A	N/A	N/A	Inc-BEST3-2
A_23_P119698	12,0741	11,9979	1,054237562	ENST00000599573	51293	NM_016579	CD320
A_22_P00012261	1,73007	1,65389	1,054222947	ENST00000534856	N/A	N/A	N/A
A_21_P0007278	3,41794	3,34177	1,054215639	N/A	N/A	N/A	Inc-RBM7-1
A_33_P3321678	9,7826	9,70644	1,054208332	ENST00000296615	285671	AK090756	RNF180
A_21_P0000771	1,75484	1,67869	1,054201025	N/A	100505715	NR_038334	LOC100505715
A_22_P00023027	1,71358	1,63745	1,054186411	N/A	N/A	N/A	Inc-UTS2D-1
A_23_P59616	7,88039	7,80427	1,054179104	ENST00000620147	84163	NM_173537	GTF2IRD2
A_23_P341275	11,0783	11,0022	1,05416449	ENST00000349693	10940	NM_015029	POP1
A_23_P106798	9,81443	9,73834	1,054157183	ENST00000568007	6477	NM_003031	SIAH1
A_22_P00005287	1,69887	1,6228	1,054142569	ENST00000577346	N/A	AL110201	N/A
A_22_P00017661	1,67559	1,59954	1,054127956	N/A	100856811	NR_104156	NRG1-IT1
A_33_P3312044	1,76302	1,68698	1,054120649	N/A	N/A	N/A	N/A
A_23_P145841	1,70203	1,626	1,054113343	ENST00000307068	25928	NM_015464	SOSTDC1
A_22_P00005866	1,7038	1,6278	1,054091423	N/A	N/A	N/A	Inc-ERP44-1
A_32_P202859	6,13543	6,05944	1,054084117	ENST00000335017	341567	NM_181788	H1FNT
A_33_P3641714	9,48325	9,40728	1,054069504	ENST00000591813	55337	NM_018381	C19orf66
A_22_P00011750	2,92351	2,84754	1,054069504	ENST00000510416	102724700	XR_425789	LOC102724700
A_23_P42565	1,65976	1,58381	1,054054892	ENST00000287907	3361	NM_024012	HTR5A
A_21_P0000427	1,6686	1,59265	1,054054892	N/A	767611	NR_003223	SNORD114-30
A_33_P3302916	1,69616	1,62021	1,054054892	ENST00000343122	60468	NM_021813	BACH2
A_22_P00002187	2,17034	2,09441	1,05404028	ENST00000514661	N/A	N/A	N/A
A_22_P00019351	2,84213	2,76622	1,054025668	N/A	N/A	HY026858	Inc-SCD-2
A_24_P320328	13,1683	13,0924	1,054018362	ENST00000511988	10923	NM_006713	SUB1
A_22_P00007842	1,77935	1,70345	1,054018362	N/A	N/A	N/A	Inc-HRASLS-2
A_22_P00012543	1,46368	1,38779	1,054011056	N/A	101927039	XR_242407	LOC101927039



A_22_P00000573	1,73207	1,65619	1,05400375	N/A	101928440	XR_424219	FBXO3-AS1
A_21_P0005041	1,75336	1,67748	1,05400375	N/A	N/A	N/A	Inc-EPHA7-2
A_21_P0001712	1,65947	1,58359	1,05400375	ENST00000448988	N/A	N/A	N/A
A_22_P00011617	1,66259	1,58671	1,05400375	ENST00000553621	N/A	DA229407	N/A
A_33_P3273684	1,72515	1,64927	1,05400375	ENST00000611589	9378	NM_001135659	NRXN1
A_21_P0000141	7,45663	7,38077	1,053989139	N/A	5936	NM_001198844	RBM4
A_23_P216361	1,71119	1,63534	1,053981833	ENST00000247781	7373	NM_021110	COL14A1
A_22_P00025134	1,7149	1,63908	1,053959916	N/A	N/A	N/A	Inc-HECA-1
A_33_P3408529	1,90978	1,83397	1,053952611	N/A	N/A	N/A	N/A
A_23_P94301	11,1992	11,1234	1,053945305	ENST00000527677	7264	NM_003313	TSTA3
A_23_P373708	15,5618	15,486	1,053945305	ENST00000578578	284085	NR_028334	KRT18P55
A_22_P00020753	3,06991	2,99414	1,053923389	N/A	101927917	NR_120537	TUB-AS1
A_19_P00316156	4,81458	4,73885	1,053894169	N/A	101928673	NR_125960	LOC101928673
A_33_P3328254	1,77338	1,69766	1,053886864	ENST00000311981	3568	NM_175725	IL5RA
A_22_P00005724	1,75561	1,6799	1,053879559	ENST00000514113	N/A	N/A	N/A
A_33_P3362372	1,68818	1,61247	1,053879559	ENST00000617639	N/A	X57723	N/A
A_22_P00003910	1,65804	1,58238	1,053843035	ENST00000456446	N/A	N/A	N/A
A_23_P96432	1,66939	1,59374	1,05383573	ENST00000361644	4114	NM_002365	MAGEB3
A_23_P427587	4,56514	4,48953	1,053806512	ENST00000294312	9965	NM_005117	FGF19
A_22_P00014915	4,00416	3,92855	1,053806512	ENST00000519557	100505739	NR_110433	LOC100505739
A_33_P3782469	1,67681	1,6012	1,053806512	ENST00000302000	26108	NM_015617	PYGO1
A_23_P13885	10,368	10,2924	1,053799208	ENST00000396684	1822	NM_001007026	ATN1
A_22_P00007653	1,70586	1,63026	1,053799208	N/A	N/A	N/A	Inc-HEXA-1
A_22_P00013639	1,77526	1,69967	1,053791903	ENST00000506897	101927359	NR_125885	LOC101927359
A_24_P294982	9,97759	9,90202	1,053777295	ENST00000620996	51534	NM_016485	VTA1
A_22_P00005983	1,68097	1,60543	1,053755382	N/A	N/A	N/A	N/A
A_23_P91764	5,24783	5,1723	1,053748078	ENST00000291232	115650	NM_052945	TNFRSF13C
A_33_P3302586	8,99024	8,91471	1,053748078	ENST00000377893	387509	NM_207370	GPR153
A_22_P00009420	1,68642	1,61091	1,05373347	ENST00000599397	284348	AK131520	LYPD5
A_23_P201086	11,0567	10,9812	1,053726166	ENST00000478424	375	NM_001024227	ARF1
A_22_P00002113	1,73225	1,65676	1,053718862	ENST00000517733	101928136	NR_108027	LINC01484
A_22_P00019563	1,65679	1,58131	1,053711559	N/A	N/A	CB121371	Inc-C14orf126-6
A_22_P00019905	3,71233	3,63688	1,053689648	ENST00000560709	N/A	DB036862	N/A

A_21_P0006215	1,54973	1,47429	1,053682344	N/A	N/A	N/A	Inc-DEC1-3
A_21_P0014455	1,80037	1,72493	1,053682344	N/A	101928243	NR_110200	DARS-AS1
A_22_P00024107	1,6605	1,58508	1,053667737	ENST00000457558	N/A	BG674167	N/A
A_22_P00004493	1,7253	1,6499	1,05365313	ENST00000438070	N/A	N/A	N/A
A_22_P00006042	1,74047	1,6651	1,05363122	N/A	N/A	AL832760	Inc-FAM120B-1
A_22_P00011660	1,66226	1,58689	1,05363122	N/A	N/A	CR746194	Inc-PDE4D-2
A_33_P3362306	1,69511	1,61976	1,053616614	N/A	254028	NR_122043	LOC254028
A_33_P3415199	1,78335	1,70804	1,053587402	N/A	N/A	AK123118	Inc-FBRSL1-4
A_33_P3217230	5,14516	5,06985	1,053587402	ENST00000300619	7644	NM_003430	ZNF91
A_33_P3711318	8,41994	8,34464	1,053580099	N/A	257152	AK001439	LOC257152
A_24_P120346	13,3682	13,2929	1,053580099	ENST00000465368	56954	NM_020202	NIT2
A_22_P00013810	4,14487	4,06964	1,05352898	ENST00000448134	N/A	N/A	N/A
A_21_P0011647	1,72637	1,65116	1,053514375	N/A	N/A	N/A	XLOC_I2_006256
A_24_P380536	10,7783	10,7031	1,053507073	ENST00000506649	8763	NM_006016	CD164
A_23_P350059	10,6422	10,567	1,053507073	ENST00000604437	767846	NR_003242	PFN1P2
A_22_P00004269	1,65599	1,58079	1,053507073	N/A	N/A	BQ215121	Inc-CNBD1-3
A_21_P0002664	1,7901	1,7149	1,053507073	N/A	N/A	N/A	Inc-SERTAD2-1
A_23_P150648	1,69915	1,62398	1,053485166	ENST00000610870	55539	NR_024627	KCNQ1DN
A_22_P00008967	1,7057	1,63056	1,05346326	ENST00000592085	121838	NR_026955	LINC00284
A_22_P00011475	1,74342	1,66832	1,053434052	ENST00000562956	100505583	NR_038932	LINC00838
A_22_P00008515	1,68638	1,61129	1,05342675	ENST00000553990	N/A	CD694834	N/A
A_33_P3330149	1,70332	1,62823	1,05342675	ENST00000379129	5080	NM_000280	PAX6
A_22_P00025578	9,04322	8,96814	1,053419448	N/A	N/A	AL137634	Inc-UNC93B1-1
A_22_P00019135	1,75021	1,67515	1,053404845	N/A	N/A	N/A	Inc-PTPRG-1
A_24_P242609	10,6613	10,5863	1,053361036	ENST00000367259	59349	NM_021633	KLHL12
A_22_P00004577	1,70947	1,63447	1,053361036	ENST00000449126	N/A	N/A	N/A
A_23_P153662	1,72069	1,64569	1,053361036	ENST00000360675	56891	NM_203471	LGALS14
A_33_P3352278	1,70353	1,62854	1,053353735	ENST00000379426	100113407	NM_001100829	TMEM170B
A_33_P7477724	8,1307	8,05572	1,053346433	N/A	N/A	BC033973	Inc-VAMP1-1
A_21_P0005397	1,65538	1,58041	1,053339132	N/A	N/A	N/A	Inc-ZNF804B-2
A_22_P00002421	1,65999	1,58503	1,053331831	ENST00000550990	102724917	N/A	LOC102724917
A_23_P383819	1,76517	1,69023	1,053317229	ENST00000257566	6926	NM_016569	TBX3
A_21_P0011483	1,65664	1,58174	1,053288025	N/A	N/A	N/A	XLOC_I2_005503

A_22_P00004420	1,75781	1,68291	1,053288025	N/A	102724050	NR_120487	LOC102724050
A_21_P0008679	1,66627	1,59137	1,053288025	N/A	N/A	N/A	Inc-CHD2-4
A_33_P3388822	3,3235	3,2486	1,053288025	ENST00000391958	353355	NM_181756	ZNF233
A_21_P0008638	1,48565	1,41078	1,053266123	N/A	N/A	N/A	Inc-FOXB1-1
A_23_P112173	1,78084	1,70598	1,053258822	ENST00000286344	25769	NM_020344	SLC24A2
A_21_P0000067	1,65302	1,57819	1,05323692	ENST00000513614	6569	NM_001167579	SLC34A1
A_33_P3244165	18,6192	18,5444	1,053215019	N/A	100008589	NR_003287	RNA28S5
A_21_P0012704	1,65692	1,58212	1,053215019	N/A	N/A	N/A	XLOC_I2_011423
A_22_P00016013	1,71493	1,64014	1,053207719	N/A	N/A	N/A	Inc-TFDP2-3
A_22_P00015829	7,49964	7,42486	1,053200419	ENST00000426452	284930	NR_122046	LOC284930
A_21_P0011940	1,65593	1,58116	1,053193118	ENST00000611915	N/A	N/A	N/A
A_22_P00021765	1,69046	1,61571	1,053178518	N/A	N/A	BQ429976	Inc-OCA2-2
A_33_P3246780	1,73405	1,6593	1,053178518	N/A	N/A	N/A	N/A
A_21_P0008069	2,77501	2,70026	1,053178518	N/A	N/A	N/A	Inc-AL445989.1-7
A_24_P313431	1,74546	1,67075	1,053149318	ENST00000219197	869	NM_004352	CBLN1
A_32_P207124	8,87558	8,80087	1,053149318	ENST00000419982	255313	NM_173571	CT47A11
A_23_P204395	10,9453	10,8706	1,053142018	ENST00000316543	65985	NM_023928	AACS
A_24_P347624	10,6057	10,531	1,053142018	ENST00000338327	8926	NM_022804	SNURF
A_21_P0012056	1,71661	1,64192	1,053134719	ENST00000436187	101929567	N/A	LOC101929567
A_21_P0013109	1,65153	1,57685	1,053127419	N/A	N/A	N/A	XLOC_I2_013153
A_33_P3423450	1,67338	1,59871	1,053120119	N/A	100130548	XR_113265	LOC100130548
A_33_P3268466	7,92831	7,85364	1,053120119	ENST00000575256	9526	NM_004870	MPDU1
A_23_P154379	1,76683	1,69218	1,05310552	ENST00000272425	9027	NM_003960	NAT8
A_23_P100795	8,73664	8,662	1,05309822	ENST00000264657	6774	NM_213662	STAT3
A_23_P3177	1,68466	1,61003	1,053090921	ENST00000282146	56659	NM_022054	KCNK13
A_22_P00021401	2,31924	2,24465	1,053061723	ENST00000553990	N/A	CD694834	N/A
A_24_P108291	8,95178	8,87723	1,053032527	ENST00000580035	55364	NM_018439	IMPACT
A_24_P348828	1,65808	1,58355	1,053017929	ENST00000326539	149830	NR_024267	PRNT
A_23_P436281	11,4706	11,3961	1,052996032	ENST00000578186	554313	NM_001034077	HIST2H4B
A_33_P3648553	1,6652	1,59072	1,052981435	N/A	100507605	BC028422	LINC00837
A_23_P318860	2,65937	2,58494	1,052944942	ENST00000611099	187	NM_005161	APLNR
A_33_P3415475	1,7193	1,64488	1,052937643	ENST00000378079	494188	NM_001008777	FBXO47
A_23_P369815	1,65408	1,57966	1,052937643	ENST00000367721	356	NM_000639	FASLG

A_33_P3272698	13,0698	12,9954	1,052923046	ENST00000368107	54935	NM_017823	DUSP23
A_22_P00025087	1,69827	1,62388	1,052915748	N/A	N/A	BX091388	Inc-FBXL7-1
A_21_P0013148	3,96048	3,8861	1,05290845	ENST00000418134	100422737	NR_033557	LOC100422737
A_22_P00009250	4,65685	4,5825	1,052886556	N/A	N/A	N/A	Inc-LRP11-1
A_22_P00003448	1,71611	1,64177	1,052879258	ENST00000550307	N/A	N/A	N/A
A_32_P480177	1,68149	1,60716	1,05287196	ENST00000621086	63923	NM_022093	TNN
A_23_P36689	7,74432	7,67001	1,052857364	ENST00000486401	10233	NM_006992	LRRC23
A_21_P0008405	6,39529	6,32101	1,05283547	N/A	N/A	N/A	Inc-C14orf79-2
A_33_P3884610	1,70543	1,63116	1,052828173	N/A	206426	NR_027712	PIP5K1P1
A_33_P3726064	1,76178	1,68752	1,052820875	ENST00000414876	348761	NR_033879	SPATA3-AS1
A_21_P0009357	4,02521	3,95097	1,05280628	N/A	N/A	N/A	Inc-SLC39A11-3
A_23_P42514	13,385	13,3108	1,05277709	ENST00000378119	81688	NM_030939	C6orf62
A_23_P57118	1,70532	1,63112	1,05277709	ENST00000381458	7053	NM_003245	TGM3
A_21_P0010104	1,74821	1,67403	1,052762496	N/A	N/A	N/A	Inc-GPCPD1-1
A_21_P0014519	1,65218	1,57802	1,052747902	N/A	N/A	N/A	N/A
A_33_P3307465	1,70933	1,63518	1,052740605	N/A	100130817	AK123329	LOC100130817
A_22_P00003508	1,60565	1,53152	1,052726011	ENST00000506878	N/A	N/A	N/A
A_23_P368154	1,77269	1,69858	1,052711417	ENST00000490650	127435	NM_153703	PODN
A_24_P57898	12,1347	12,0606	1,05270412	ENST00000370346	128408	NM_080606	BHLHE23
A_24_P211420	1,65151	1,57741	1,05270412	ENST00000379756	25876	NM_015417	SPEF1
A_33_P3367850	4,59108	4,51698	1,05270412	ENST00000433765	1132	NM_000741	CHRM4
A_21_P0013536	1,75641	1,68233	1,052689527	N/A	N/A	N/A	XLOC_I2_014182
A_33_P3298552	9,34121	9,26714	1,05268223	N/A	N/A	N/A	N/A
A_22_P00017048	1,65205	1,578	1,052667637	ENST00000499752	N/A	XR_424204	N/A
A_22_P00019518	3,78638	3,71233	1,052667637	N/A	101928537	NR_110238	LINC01494
A_21_P0001829	1,65032	1,57628	1,05266034	N/A	N/A	N/A	Inc-DDX1-1
A_21_P0004404	1,65971	1,58568	1,052653044	N/A	N/A	N/A	Inc-CD180-7
A_21_P0001293	1,69648	1,62246	1,052645747	N/A	N/A	N/A	Inc-ELAVL4-1
A_24_P165259	13,2561	13,1821	1,052631155	ENST00000478402	29920	NM_013328	PYCR2
A_21_P0008946	1,76392	1,68992	1,052631155	N/A	N/A	N/A	Inc-CHD9-3
A_33_P3404470	11,3287	11,2547	1,052631155	ENST00000525262	81622	NM_030930	UNC93B1
A_23_P119448	7,65994	7,58596	1,052616562	ENST00000412770	22870	NM_014931	PPP6R1
A_33_P3364821	1,7828	1,70882	1,052616562	ENST00000529828	5788	NM_002838	PTPRC

A_33_P3407994	1,78315	1,7092	1,052594674	ENST00000569673	388135	NM_001039614	C15orf59
A_33_P3404316	5,11528	5,04136	1,052572786	N/A	399959	NR_024430	MIR100HG
A_21_P0010425	1,73344	1,65953	1,05256549	N/A	N/A	N/A	Inc-FAM19A5-4
A_33_P3312601	1,65539	1,58149	1,052558194	ENST00000376221	343066	NM_001013630	AADA4L4
A_21_P0000100	17,1303	17,0564	1,052558194	ENST00000540040	100462977	NM_001190452	MTRNR2L1
A_23_P77174	9,76056	9,68667	1,052550899	ENST00000539642	9488	NM_004855	PIGB
A_22_P00003292	1,64861	1,57473	1,052543603	ENST00000423486	339505	NR_033887	LINC01141
A_22_P00023848	1,74849	1,67462	1,052536307	ENST00000434562	N/A	N/A	N/A
A_22_P00011558	1,67183	1,59796	1,052536307	ENST00000504365	100507528	NR_103762	LINC00613
A_21_P0004120	1,81862	1,74475	1,052536307	N/A	N/A	N/A	Inc-ADAMTS12-2
A_22_P00003943	1,71237	1,63852	1,052521716	N/A	N/A	N/A	Inc-CHAC1-4
A_33_P3247799	1,71692	1,64307	1,052521716	ENST00000505954	N/A	XM_006711097	N/A
A_24_P50862	1,75527	1,68145	1,05249983	ENST00000369044	55278	AK022251	QRSL1
A_24_P7467	1,75831	1,68449	1,05249983	ENST00000327928	131149	NM_001080440	OTOL1
A_21_P0013838	1,71306	1,63926	1,052485239	N/A	N/A	N/A	XLOC_I2_015855
A_33_P3229402	2,62576	2,55197	1,052477944	ENST00000563924	5175	NM_000442	PECAM1
A_32_P179998	1,79429	1,72051	1,052470649	ENST00000334036	63947	NM_033053	DMRTC1
A_23_P219013	8,44186	8,36808	1,052470649	ENST00000244533	89845	NM_033450	ABCC10
A_23_P207354	1,71208	1,63831	1,052463354	ENST00000590423	51751	NM_016438	HIGD1B
A_21_P0003943	1,75445	1,68068	1,052463354	ENST00000506723	101927134	NR_109877	LINC01470
A_22_P00004129	1,73059	1,65683	1,052456058	N/A	N/A	N/A	Inc-CLDN20-2
A_22_P00012739	1,78328	1,70953	1,052448763	N/A	N/A	BM683772	Inc-RABEP2-3
A_21_P0012607	1,75938	1,68563	1,052448763	N/A	N/A	N/A	Inc-AC110373.1-6
A_23_P32279	1,65484	1,58114	1,052412289	ENST00000401724	56033	NM_021570	BARX1
A_23_P259555	1,6705	1,59682	1,0523977	ENST00000383556	81797	NM_030959	OR12D3
A_23_P42282	5,7596	5,68592	1,0523977	ENST00000463249	721	NM_001002029	C4B
A_21_P0010410	1,78305	1,70938	1,052390405	ENST00000416995	N/A	N/A	N/A
A_22_P00018241	4,5972	4,52353	1,052390405	ENST00000536034	101927905	NR_120454	LOC101927905
A_33_P3233404	2,06141	1,98774	1,052390405	ENST00000390400	N/A	AB305916	N/A
A_21_P0006039	3,46501	3,39136	1,052375816	ENST00000411451	100996590	N/A	LINC01505
A_23_P60657	9,54609	9,47244	1,052375816	ENST00000492220	23248	NM_015203	RPRD2
A_33_P3325952	3,82025	3,74664	1,052346638	N/A	N/A	AK022213	N/A
A_22_P00020734	1,74187	1,66826	1,052346638	ENST00000431020	150992	NR_033837	LINC00309

A_33_P3415944	1,64949	1,57588	1,052346638	ENST00000438392	253582	NM_001010876	TMEM244
A_21_P0001889	1,6664	1,5928	1,052339344	ENST00000453878	N/A	N/A	N/A
A_24_P84873	11,3524	11,2788	1,052339344	ENST00000515236	N/A	N/A	N/A
A_33_P3226439	8,53994	8,46635	1,05233205	N/A	389741	N/A	GLIDR
A_33_P3378256	1,71179	1,63821	1,052324755	N/A	N/A	N/A	N/A
A_23_P136125	1,71064	1,63707	1,052317461	ENST00000302068	2244	NM_005141	FGF
A_19_P00322815	1,65183	1,57827	1,052310167	N/A	100048912	NR_003529	CDKN2B-AS1
A_22_P00002540	13,3814	13,3079	1,052266404	N/A	N/A	GR564636	Inc-C17orf62-1
A_24_P122524	10,4376	10,3641	1,052266404	ENST00000349139	10885	NM_006784	WDR3
A_23_P29225	13,0679	12,9944	1,052266404	ENST00000492535	25793	NM_012179	FBXO7
A_22_P00016819	1,74951	1,67603	1,052251816	ENST00000513283	N/A	N/A	N/A
A_21_P0008308	1,68386	1,61038	1,052251816	N/A	N/A	N/A	Inc-FOXG1-5
A_21_P0005752	1,6475	1,57403	1,052244523	N/A	N/A	N/A	Inc-RP11-67H2.1.1-2
A_23_P307968	1,64843	1,57502	1,052200762	ENST00000398842	64072	NM_052836	CDH23
A_23_P170679	1,69401	1,6206	1,052200762	ENST00000396578	1285	NM_000091	COL4A3
A_23_P9392	8,61836	8,54496	1,052193469	ENST00000480366	51490	NM_016390	C9orf114
A_21_P0001252	5,76022	5,68683	1,052186176	N/A	N/A	N/A	Inc-TMEM88B-4
A_33_P3422968	1,75803	1,68464	1,052186176	ENST00000468661	1768	NM_001370	DNAH6
A_21_P0008941	1,66963	1,59626	1,052171589	N/A	N/A	N/A	Inc-CHD9-7
A_33_P3375334	1,66092	1,58756	1,052164296	ENST00000371230	1600	N/A	DAB1
A_21_P0008342	1,65656	1,58321	1,052157003	N/A	N/A	N/A	Inc-PELI2-6
A_23_P124327	8,72508	8,65173	1,052157003	ENST00000347982	64324	NM_022455	NSD1
A_22_P00006644	1,67231	1,599	1,052127832	ENST00000548335	102724890	NR_110557	LOC102724890
A_21_P0003268	1,72034	1,64704	1,052120539	ENST00000478780	N/A	N/A	N/A
A_24_P916614	13,681	13,6077	1,052120539	ENST00000458258	9991	NM_005156	PTBP3
A_21_P0007467	3,91606	3,84277	1,052113246	N/A	102723862	XR_428989	LOC102723862
A_22_P00016151	1,99833	1,92506	1,052098661	ENST00000452505	N/A	N/A	N/A
A_33_P3315519	1,6502	1,57693	1,052098661	ENST00000409647	164832	NM_198461	LONRF2
A_22_P00000260	1,64679	1,57353	1,052091368	N/A	101929753	NR_110576	LOC101929753
A_22_P00010066	1,73118	1,65792	1,052091368	ENST00000452685	N/A	N/A	N/A
A_23_P435407	5,03813	4,96489	1,052076783	ENST00000370828	2239	NM_001448	GPC4
A_33_P3332521	1,73041	1,65722	1,052040322	ENST00000532566	56145	NM_031497	PCDHA3
A_22_P00025306	3,41962	3,34644	1,052033029	N/A	N/A	N/A	Inc-DDX1-1

A_21_P0002059	1,64663	1,57346	1,052025737	ENST00000420724	N/A	N/A	N/A
A_22_P00006938	1,67011	1,59696	1,052011153	ENST00000474149	N/A	N/A	N/A
A_32_P73452	5,10354	5,03042	1,051989278	ENST00000597643	57719	NM_020959	ANO8
A_21_P0007078	1,72227	1,64917	1,051974694	N/A	N/A	N/A	Inc-SHOC2-2
A_24_P4170	1,65215	1,57906	1,051967402	ENST00000518549	57094	NM_020361	CPA6
A_22_P00003336	1,71126	1,63817	1,051967402	ENST00000507058	N/A	N/A	N/A
A_19_P00801279	4,10904	4,03597	1,051952819	ENST00000429601	4478	XR_426530	MSN
A_22_P00020150	1,60406	1,53099	1,051952819	ENST00000567966	N/A	N/A	N/A
A_23_P103837	9,86609	9,79302	1,051952819	ENST00000475373	9898	NM_001287815	UBAP2L
A_24_P401637	9,83778	9,76473	1,051938236	N/A	100130856	AK095727	LOC100130856
A_21_P0003302	3,50661	3,43356	1,051938236	N/A	101928105	XR_241597	LOC101928105
A_24_P280684	1,77009	1,69705	1,051930945	ENST00000338040	51725	NM_016298	FBXO40
A_22_P00022673	1,64946	1,57644	1,051916362	N/A	N/A	N/A	Inc-DYNLL2-2
A_22_P00024353	1,67131	1,5983	1,05190907	ENST00000431727	N/A	DB480018	N/A
A_33_P3286101	1,77892	1,70591	1,05190907	N/A	N/A	N/A	N/A
A_33_P3288023	7,35253	7,27953	1,051901779	ENST00000470006	51517	NM_016453	NCKIPSD
A_21_P0001883	1,52321	1,45022	1,051894488	ENST00000443419	101927926	NR_110286	LOC101927926
A_21_P0005957	1,65577	1,58278	1,051894488	N/A	101928087	XR_250430	LOC101928087
A_21_P0013314	1,79539	1,72242	1,051879906	N/A	N/A	N/A	XLOC_I2_013859
A_33_P3339441	1,75479	1,68185	1,051858033	ENST00000456897	728716	N/A	LINC01346
A_33_P3311974	3,6299	3,557	1,051828869	ENST00000556489	283571	NM_001243007	PROX2
A_23_P350045	12,699	12,6261	1,051828869	ENST00000379638	7905	NM_005669	REEP5
A_22_P00011634	1,71396	1,64108	1,051814288	N/A	N/A	N/A	Inc-PCYOX1L-1
A_33_P3212022	1,6702	1,59733	1,051806998	ENST00000343854	9628	NM_001204418	RGS6
A_22_P00003667	1,64527	1,57242	1,051792416	ENST00000559675	N/A	N/A	N/A
A_21_P0004633	1,67296	1,60014	1,051770545	ENST00000412132	N/A	N/A	N/A
A_22_P00024688	1,74134	1,66853	1,051763255	ENST00000423149	N/A	BC038755	N/A
A_32_P185317	10,8977	10,8249	1,051755965	ENST00000480284	645249	NR_038835	MNX1-AS1
A_21_P0008526	1,75791	1,68511	1,051755965	N/A	N/A	N/A	Inc-JPH4-1
A_24_P147169	4,55117	4,47838	1,051748675	ENST00000569985	255189	NM_213600	PLA2G4F
A_21_P0009337	1,75588	1,68312	1,051726804	N/A	N/A	N/A	Inc-COIL-1
A_24_P48177	8,74406	8,67132	1,051712224	ENST00000342907	6483	NM_006927	ST3GAL2
A_33_P3246188	1,73873	1,66601	1,051697645	N/A	54777	NM_001200049	CFAP46

A_22_P00014545	1,70843	1,63574	1,051675775	N/A	101929010	NR_110090	SIRPG-AS1
A_21_P0012059	1,79797	1,7253	1,051661196	ENST00000458359	N/A	N/A	N/A
A_21_P0001704	9,60163	9,52897	1,051653907	N/A	N/A	N/A	Inc-NBPF16-4
A_33_P3368920	1,75273	1,68009	1,051639328	N/A	N/A	N/A	Inc-GPCPD1-1
A_21_P0004661	1,70127	1,62867	1,051610171	ENST00000421318	N/A	N/A	N/A
A_24_P212443	5,78409	5,71151	1,051595592	ENST00000389103	9690	NM_014671	UBE3C
A_21_P0000466	1,73071	1,65815	1,051581014	N/A	100113389	NR_003691	SNORD127
A_22_P00024633	1,74026	1,66771	1,051573725	N/A	N/A	BG210193	Inc-C3orf32-6
A_22_P00003804	8,16759	8,09505	1,051566436	N/A	10984	NR_002728	KCNQ10T1
A_22_P00003700	1,65248	1,57994	1,051566436	ENST00000561657	N/A	N/A	N/A
A_22_P00025431	1,67034	1,59782	1,051551858	ENST00000422448	N/A	N/A	N/A
A_33_P3271460	3,41157	3,33906	1,05154457	ENST00000373551	2800	N/A	GOLGA1
A_23_P23797	1,6696	1,5971	1,051537281	ENST00000489986	127124	NM_133326	ATP6V1G3
A_22_P00010648	1,68002	1,60753	1,051529992	ENST00000522570	N/A	AA453185	N/A
A_21_P0006499	5,09302	5,02053	1,051529992	N/A	N/A	N/A	Inc-KLF8-1
A_32_P199901	1,75861	1,68613	1,051522704	ENST00000276173	92129	NM_138382	RIPPLY1
A_21_P0007519	1,67557	1,60309	1,051522704	N/A	N/A	N/A	Inc-PLEKHG6-2
A_21_P0010883	1,68576	1,61328	1,051522704	N/A	N/A	N/A	XLOC_I2_001995
A_23_P99080	4,04269	3,97024	1,051500838	ENST00000390677	50838	NM_023920	TAS2R13
A_21_P0007637	1,73276	1,66033	1,051486261	N/A	N/A	N/A	Inc-MAP1LC3B2-2
A_23_P34546	8,74481	8,67238	1,051486261	ENST00000463042	10806	NM_006642	SDCCAG8
A_22_P00013762	1,66622	1,5938	1,051478973	N/A	N/A	N/A	Inc-RP11-90J19.1.1-4
A_33_P3400171	6,94152	6,86912	1,051464397	ENST00000392037	208	NM_001626	AKT2
A_33_P3239405	7,46875	7,39641	1,051420668	ENST00000435310	252839	NM_001288565	TMEM9
A_21_P0005975	3,50141	3,42909	1,051406093	N/A	N/A	N/A	Inc-FAM84B-6
A_23_P164536	10,7414	10,6691	1,051391517	ENST00000587328	5289	NM_002647	PIK3C3
A_23_P142574	1,66172	1,58942	1,051391517	ENST00000611505	116255	NM_058165	MOGAT1
A_23_P38244	1,73915	1,66687	1,051376942	ENST00000205948	350	NM_000042	APOH
A_22_P00009615	1,64984	1,57756	1,051376942	N/A	N/A	N/A	Inc-MARCH4-1
A_22_P00002320	1,75865	1,68638	1,051369654	N/A	N/A	N/A	Inc-C11orf46-2
A_33_P3258279	1,75606	1,68379	1,051369654	ENST00000374784	50863	NM_001144059	NTM
A_33_P3357182	1,71401	1,64175	1,051362367	ENST00000380188	222826	AK097426	FAM217A
A_23_P46829	3,29314	3,2209	1,051347792	ENST00000347978	2253	NM_033163	FGF8



A_22_P00006876	1,77925	1,70702	1,051340504	ENST00000524855	N/A	N/A	N/A
A_22_P00013615	1,75503	1,6828	1,051340504	ENST00000501520	N/A	AK091456	N/A
A_33_P3224185	4,31591	4,2437	1,05132593	ENST00000429684	N/A	XM_006724938	N/A
A_32_P110243	17,603	17,5308	1,051318643	N/A	729927	BC071734	RPS20P27
A_23_P29204	11,0093	10,9371	1,051318643	ENST00000454552	51537	NM_016498	MTFP1
A_23_P135239	10,9549	10,8827	1,051318643	ENST00000376472	7088	NM_005077	TLE1
A_22_P00002838	1,79503	1,72283	1,051318643	ENST00000567718	100996478	XR_158986	LOC100996478
A_24_P1054	6,72765	6,65545	1,051318643	ENST00000613741	4796	NM_013432	TONSL
A_32_P234935	13,9119	13,8397	1,051318643	ENST00000620632	23435	NM_007375	TARDBP
A_21_P0000877	3,10915	3,03698	1,051296781	ENST00000555985	100506433	NR_039996	LINC00648
A_22_P00006899	1,6433	1,57113	1,051296781	N/A	N/A	N/A	Inc-GAP43-9
A_33_P3321689	7,52796	7,45585	1,05125306	N/A	N/A	N/A	N/A
A_33_P3796201	1,75622	1,68412	1,051245773	ENST00000568256	94150	NR_033371	CDRT7
A_22_P00020800	1,69687	1,62479	1,0512312	ENST00000425517	N/A	N/A	N/A
A_22_P00022328	1,70473	1,63268	1,051209341	N/A	N/A	N/A	Inc-EFCAB4B-2
A_23_P27571	6,56907	6,49702	1,051209341	ENST00000595860	57192	NM_020533	MCOLN1
A_22_P00015804	3,19161	3,11959	1,051187482	N/A	N/A	N/A	Inc-TASP1-1
A_21_P0009877	1,72481	1,6528	1,051180195	ENST00000449581	101929265	NR_110609	LINC01428
A_33_P3313441	1,71013	1,63812	1,051180195	ENST00000377689	647044	XR_108945	FAM220BP
A_33_P3315303	9,38798	9,31598	1,051172909	ENST00000305748	319101	NM_175068	KRT73
A_22_P00004979	1,64627	1,57427	1,051172909	N/A	N/A	N/A	Inc-DCTD-10
A_23_P125815	12,1754	12,1034	1,051172909	ENST00000377604	8241	NM_005676	RBM10
A_23_P145397	10,683	10,611	1,051172909	ENST00000523985	892	NM_005190	CCNC
A_21_P0002948	1,6416	1,56961	1,051165623	N/A	N/A	N/A	Inc-CCR8-1
A_21_P0014428	1,75325	1,68126	1,051165623	N/A	101927372	XR_244439	LOC101927372
A_33_P3358322	1,72254	1,65056	1,051158337	N/A	N/A	AF086259	Inc-RP11-680F20.6.1-1
A_32_P133395	3,14232	3,07034	1,051158337	N/A	100507500	NR_047551	EGFR-AS1
A_22_P00014887	1,68529	1,61334	1,051136479	ENST00000507220	N/A	N/A	N/A
A_33_P3356007	1,7263	1,65437	1,051121907	ENST00000475300	240	AB208946	ALOX5
A_23_P615	1,79809	1,72617	1,051114621	ENST00000368195	3645	NM_014215	INSRR
A_33_P3215848	6,93918	6,86727	1,051107336	N/A	N/A	BC044628	N/A
A_33_P3315763	18,0345	17,9626	1,05110005	N/A	N/A	N/A	N/A
A_22_P00001005	1,70057	1,62868	1,051092764	ENST00000325811	N/A	AK093158	N/A

A_22_P00018864	1,64175	1,5699	1,051063622	ENST00000522896	N/A	BG215342	N/A
A_24_P346604	7,90291	7,83106	1,051063622	ENST00000358757	55284	NM_001001481	UBE2W
A_33_P3227375	1,75598	1,68416	1,051041766	ENST00000366787	7058	NM_003247	THBS2
A_22_P00013543	1,76644	1,69471	1,050976201	N/A	N/A	BE733583	Inc-RP11-429E11.3.1-1
A_21_P0009668	1,82213	1,75042	1,050961631	N/A	N/A	N/A	Inc-ZNF625-1
A_32_P46191	12,8979	12,8262	1,050954347	ENST00000456806	442319	NM_001159522	ZNF727
A_21_P0008587	1,75136	1,67968	1,050939777	N/A	101928792	XR_429487	LOC101928792
A_32_P193583	1,67975	1,60808	1,050932493	ENST00000513876	152756	NM_153027	FAM218A
A_33_P3341970	7,78616	7,71451	1,050917924	ENST00000306821	257194	NM_173808	NEGR1
A_19_P00315543	4,09448	4,02285	1,050903355	N/A	100132354	N/A	LINC01512
A_21_P0009362	5,16311	5,09149	1,050896071	N/A	N/A	N/A	Inc-BTBD17-4
A_33_P3226425	9,00026	8,92865	1,050888787	ENST00000553161	10961	NM_001034025	ERP29
A_33_P3303066	11,4488	11,3772	1,050881502	ENST00000592895	55643	NM_017797	BTBD2
A_23_P213518	12,6983	12,6267	1,050881502	ENST00000395813	831	NM_001042440	CAST
A_22_P00005293	1,7763	1,70471	1,050874218	ENST00000456535	N/A	N/A	N/A
A_33_P3318596	8,0746	8,00302	1,050866934	ENST00000420450	25850	NM_003419	ZNF345
A_21_P0008316	1,9964	1,92482	1,050866934	N/A	N/A	N/A	Inc-ARHGAP5-1
A_33_P3233869	6,96661	6,89505	1,050852366	ENST00000565670	N/A	N/A	N/A
A_33_P3381821	1,71139	1,63984	1,050845082	ENST00000398824	440854	NM_001145122	CAPN14
A_21_P0000967	1,68091	1,60941	1,050808663	ENST00000546128	1580	N/A	CYP4B1
A_33_P3412603	1,71251	1,64102	1,05080138	N/A	N/A	AK125205	N/A
A_21_P0002832	1,64055	1,56908	1,050786813	ENST00000426697	N/A	N/A	N/A
A_33_P3525067	1,64022	1,56876	1,050779529	ENST00000518418	285627	NR_027110	LOC285627
A_21_P0004388	1,64753	1,57608	1,050772246	N/A	102467081	N/A	LOC102467081
A_33_P3370217	1,67592	1,60447	1,050772246	N/A	N/A	N/A	N/A
A_33_P3410445	1,67115	1,59971	1,050764962	ENST00000560273	N/A	N/A	N/A
A_21_P0014265	1,74511	1,67367	1,050764962	N/A	N/A	N/A	N/A
A_19_P00320664	9,2649	9,19349	1,050743113	N/A	441172	NR_033896	FLJ46906
A_33_P3316691	5,89172	5,82031	1,050743113	N/A	N/A	N/A	N/A
A_22_P00013569	1,68291	1,61151	1,050735829	ENST00000562748	N/A	N/A	N/A
A_32_P34387	8,64274	8,57134	1,050735829	ENST00000553626	55812	NM_018418	SPATA7
A_33_P3252093	14,1733	14,1019	1,050735829	ENST00000303575	10972	NM_006827	TMED10
A_21_P0000465	1,71828	1,64692	1,050706697	N/A	N/A	N/A	N/A

A_23_P145718	1,64066	1,5693	1,050706697	ENST00000614254	313	NM_001637	AOAH
A_22_P00007666	1,63897	1,56767	1,050663001	ENST00000568324	N/A	BC047543	N/A
A_33_P3352572	1,64115	1,56985	1,050663001	N/A	N/A	N/A	N/A
A_23_P87279	5,15852	5,08722	1,050663001	ENST00000155858	29850	NM_014555	TRPM5
A_22_P00025737	1,66748	1,59619	1,050655718	ENST00000417715	N/A	N/A	N/A
A_32_P538928	1,63913	1,56784	1,050655718	ENST00000308128	147409	NM_177986	DSG4
A_23_P25720	1,68668	1,61539	1,050655718	ENST00000298841	5267	NM_006215	SERPINA4
A_33_P3240951	1,76459	1,69331	1,050648435	ENST00000366353	8110	NM_001280544	DPF3
A_22_P00007908	1,74197	1,67069	1,050648435	N/A	N/A	AK093331	Inc-HSPA4-1
A_33_P3305655	4,41073	4,33948	1,050626588	ENST00000554452	606	NR_027992	NBEAP1
A_21_P0011379	1,6617	1,59045	1,050626588	N/A	N/A	N/A	XLOC_I2_004954
A_22_P00024782	6,78342	6,71218	1,050619306	N/A	N/A	N/A	Inc-CLDN5-1
A_21_P0006927	1,64899	1,57776	1,050612023	N/A	N/A	N/A	Inc-WDR11-3
A_22_P00010061	1,66292	1,59171	1,050597459	N/A	N/A	AF370414	Inc-MORF4L1-2
A_22_P00020124	1,71164	1,64044	1,050590177	N/A	N/A	N/A	Inc-CRIPT-1
A_23_P117163	8,90838	8,83718	1,050590177	ENST00000378302	55213	NM_018191	RCBTB1
A_33_P3370855	1,72604	1,65485	1,050582895	ENST00000453808	N/A	N/A	N/A
A_23_P402187	1,63795	1,56679	1,050561048	ENST00000371117	5314	NM_138694	PKHD1
A_21_P0007341	1,71072	1,63956	1,050561048	ENST00000529017	103312105	NR_120555	LOC103312105
A_21_P0002261	1,78295	1,71183	1,050531921	N/A	N/A	N/A	Inc-IL1R2-1
A_21_P0011235	7,82467	7,75355	1,050531921	ENST00000425483	100874178	N/A	LINC00454
A_22_P00001072	1,75409	1,68301	1,050502795	ENST00000558475	N/A	XR_109231	N/A
A_22_P00007403	1,64045	1,56937	1,050502795	ENST00000543387	102724433	XR_424372	LOC102724433
A_21_P0010521	3,14099	3,06991	1,050502795	ENST00000481055	4485	N/A	MST1
A_24_P589266	1,96619	1,89515	1,050473669	ENST00000309415	344558	NM_001099289	SH3RF3
A_23_P44274	1,74902	1,67798	1,050473669	ENST00000302053	2243	NM_000508	FGA
A_23_P149818	8,01055	7,93952	1,050466388	ENST00000397053	26019	NM_080599	UPF2
A_22_P00022246	10,55	10,479	1,050444544	ENST00000415120	N/A	N/A	N/A
A_22_P00014866	1,66735	1,59635	1,050444544	N/A	N/A	BG212515	Inc-SLC5A9-3
A_21_P0012442	1,67207	1,60107	1,050444544	N/A	N/A	N/A	XLOC_I2_010225
A_23_P141847	10,9721	10,9011	1,050444544	ENST00000253023	9040	NM_003969	UBE2M
A_22_P00019196	1,74536	1,67438	1,050429982	N/A	N/A	DB379092	Inc-POC5-1
A_21_P0012666	1,66815	1,59717	1,050429982	N/A	N/A	N/A	XLOC_I2_011120

A_24_P71649	1,74979	1,67882	1,050422701	ENST00000263665	5067	NM_020872	CNTN3
A_22_P00015082	3,57587	3,50491	1,05041542	N/A	N/A	BC016168	Inc-SNURF-3
A_22_P00014895	3,91648	3,84552	1,05041542	N/A	N/A	N/A	Inc-SLC7A6-1
A_23_P116430	4,07046	3,9995	1,05041542	ENST00000005226	10083	NM_005709	USH1C
A_33_P3429242	6,66903	6,59808	1,050408139	ENST00000499502	339988	XR_249565	LOC339988
A_22_P00008286	1,63801	1,56708	1,050393577	N/A	N/A	N/A	Inc-ISOC1-1
A_23_P90220	7,81875	7,74782	1,050393577	ENST00000392157	199704	NM_152655	ZNF585A
A_22_P00020474	1,71412	1,64321	1,050379016	N/A	N/A	N/A	Inc-EXOC3-2
A_33_P3265539	1,7961	1,72519	1,050379016	N/A	N/A	N/A	N/A
A_21_P0000860	3,88494	3,81403	1,050379016	N/A	100507346	NR_038982	LOC100507346
A_22_P00022843	5,59559	5,52473	1,050342613	N/A	100874207	NR_046683	ST3GAL6-AS1
A_23_P115161	2,30617	2,23531	1,050342613	ENST00000435307	2532	NM_002036	ACKR1
A_22_P00004643	1,71011	1,63928	1,050320772	N/A	N/A	N/A	Inc-CTB-78H18.1.1-1
A_22_P00015979	1,69312	1,62229	1,050320772	N/A	101926908	NR_110656	LOC101926908
A_21_P0007604	1,68849	1,61768	1,050306212	ENST00000549669	N/A	N/A	N/A
A_33_P3370832	4,7454	4,67459	1,050306212	ENST00000481658	150864	AB053315	FAM117B
A_22_P00023996	1,71246	1,64166	1,050298932	N/A	N/A	N/A	Inc-PRMT10-1
A_24_P407323	8,67921	8,60844	1,050277091	ENST00000531143	5494	NM_177951	PPM1A
A_21_P0005362	1,68459	1,61382	1,050277091	N/A	N/A	N/A	Inc-NFE2L3-1
A_22_P00025765	1,63739	1,56662	1,050277091	ENST00000425678	N/A	DA951670	N/A
A_23_P163216	1,66078	1,59003	1,050262532	ENST00000559829	79895	NM_024837	ATP8B4
A_21_P0014758	1,6555	1,58475	1,050262532	N/A	N/A	N/A	N/A
A_33_P3226761	1,64791	1,57718	1,050247972	ENST00000340356	54345	NM_018419	SOX18
A_21_P0001276	2,2648	2,19411	1,050218853	N/A	N/A	N/A	Inc-EPB41-1
A_33_P3309734	1,66614	1,59545	1,050218853	ENST00000295729	255101	NM_152389	CCDC108
A_24_P128233	2,21711	2,14643	1,050211574	ENST00000612060	6331	NM_000335	SCN5A
A_33_P3258727	1,77306	1,7024	1,050197015	N/A	N/A	N/A	N/A
A_22_P00016311	1,65106	1,58043	1,050175177	N/A	N/A	N/A	Inc-TMEM132C-8
A_21_P0009606	1,65359	1,58298	1,050160618	N/A	N/A	N/A	Inc-PIK3C3-2
A_33_P3370424	9,07027	8,99967	1,050153339	ENST00000277541	4851	NM_017617	NOTCH1
A_23_P171074	1,70307	1,63247	1,050153339	ENST00000469541	9452	NM_004867	ITM2A
A_33_P3252221	1,78928	1,71868	1,050153339	ENST00000378491	140767	NM_080723	NRSN1
A_33_P3422043	1,64108	1,5705	1,050138781	ENST00000455694	345062	NM_183375	PRSS48

A_22_P00025449	1,67921	1,60866	1,050116944	N/A	N/A	N/A	Inc-ZNF135-1
A_21_P0006376	1,64218	1,57163	1,050116944	N/A	102723994	XR_426376	LOC102723994
A_33_P3381701	1,63658	1,56605	1,050102387	N/A	N/A	AK128824	N/A
A_23_P132718	14,6768	14,6063	1,050080551	ENST00000619119	7869	NM_004636	SEMA3B
A_23_P19723	1,65305	1,58255	1,050080551	ENST00000370830	653	NM_021073	BMP5
A_21_P0011661	1,77867	1,70817	1,050080551	N/A	N/A	N/A	XLOC_I2_006471
A_22_P00016505	3,13586	3,06538	1,050065994	ENST00000452500	N/A	N/A	N/A
A_23_P1904	1,63551	1,56503	1,050065994	ENST00000617306	2206	NM_000139	MS4A2
A_21_P0011994	1,63678	1,56632	1,050051437	ENST00000441014	100506274	N/A	LOC100506274
A_33_P3418426	1,73835	1,6679	1,050044158	ENST00000611973	6519	NM_000341	SLC3A1
A_22_P00020775	1,7668	1,69636	1,05003688	N/A	N/A	BM804806	Inc-KLHL25-6
A_22_P00004917	1,77971	1,70927	1,05003688	N/A	256880	NR_125923	LOC256880
A_33_P3269024	1,77886	1,70843	1,050029602	N/A	N/A	N45983	N/A
A_33_P3310981	7,37803	7,3076	1,050029602	ENST00000610573	7762	NM_013250	ZNF215
A_33_P3269636	5,3204	5,24997	1,050029602	ENST00000518157	374897	NM_001166034	SBSN
A_23_P422766	6,19987	6,12944	1,050029602	ENST00000359332	122773	NM_172193	KLHDC1
A_22_P00018937	1,63609	1,56568	1,050015045	N/A	N/A	N/A	Inc-KLHL25-3
A_24_P20746	1,63798	1,56757	1,050015045	ENST00000446965	51334	NM_016644	PRR16
A_22_P00016728	1,63644	1,56603	1,050015045	N/A	N/A	DQ275472	Inc-TRAT1-4
A_22_P00016138	1,75625	1,68587	1,049993211	N/A	N/A	AK130337	Inc-TIMM13-1
A_33_P3309556	8,67594	8,60559	1,049971377	N/A	5791	NM_006504	PTPRE
A_22_P00009416	1,79405	1,72374	1,049942266	ENST00000522498	N/A	N/A	N/A
A_21_P0006454	1,65051	1,5802	1,049942266	N/A	N/A	N/A	Inc-ACRC-1
A_33_P3334679	1,66539	1,59509	1,049934989	ENST00000395469	9627	AB110790	SNCAIP
A_22_P00014817	1,71507	1,64478	1,049927711	N/A	N/A	AL365407	Inc-SLC39A3-1
A_21_P0011969	1,63645	1,56617	1,049920434	ENST00000617368	N/A	N/A	N/A
A_24_P42446	1,7212	1,65092	1,049920434	ENST00000339382	29942	XM_005273484	PURG
A_21_P0003271	2,17958	2,10931	1,049913156	N/A	N/A	N/A	Inc-DNAJB11-3
A_23_P6422	1,64326	1,57299	1,049913156	ENST00000249007	10738	NM_006604	RFPL3
A_33_P3225755	1,46859	1,39832	1,049913156	N/A	100129938	AK127489	LOC100129938
A_33_P3284448	1,63996	1,56972	1,049891324	ENST00000500394	441009	NR_038857	CPEB2-AS1
A_22_P00014500	1,74519	1,67496	1,049884047	ENST00000574540	101927287	XR_243355	LOC101927287
A_19_P00322121	3,87787	3,80766	1,049869492	ENST00000454968	100506190	N/A	LINC00963

A_22_P00023533	1,77855	1,70837	1,049847661	ENST00000554515	N/A	N/A	N/A
A_21_P0006740	1,46528	1,3951	1,049847661	N/A	101929073	N/A	LOC101929073
A_33_P3384730	1,6683	1,59818	1,049804	ENST00000529568	N/A	AK293081	N/A
A_23_P93217	4,65493	4,58482	1,049796724	ENST00000436107	10864	NM_153320	SLC22A7
A_33_P3249125	1,66749	1,59738	1,049796724	ENST00000394570	146862	NM_173167	UNC45B
A_23_P253029	10,4381	10,368	1,049789447	ENST00000318407	666	NM_032515	BOK
A_22_P00004308	1,65716	1,58706	1,049789447	ENST00000532109	N/A	N/A	N/A
A_33_P3589018	1,46851	1,39842	1,04978217	ENST00000574864	N/A	N/A	N/A
A_22_P00010750	4,95322	4,88313	1,04978217	ENST00000617952	253943	NM_001277813	YTHDF3
A_33_P3380523	7,93396	7,86388	1,049774894	ENST00000376376	56952	N/A	PRTFDC1
A_33_P3229577	3,37158	3,30151	1,049767617	N/A	N/A	N/A	N/A
A_33_P3409508	8,4925	8,42244	1,049760341	ENST00000395764	5600	NM_002751	MAPK11
A_22_P00004304	8,13812	8,06807	1,049753065	N/A	N/A	N/A	Inc-CNTLN-2
A_21_P0006559	1,70956	1,63952	1,049745788	N/A	N/A	N/A	Inc-CYBB-1
A_22_P00005181	1,66211	1,5921	1,04972396	ENST00000428673	N/A	N/A	N/A
A_32_P184796	18,6892	18,6192	1,049716684	ENST00000547173	6175	NM_053275	RPLP0
A_21_P0002957	1,65314	1,58314	1,049716684	N/A	N/A	N/A	Inc-PTPN23-2
A_22_P00021669	1,6802	1,61023	1,049694856	N/A	N/A	BM923923	Inc-DPH1-2
A_33_P3288110	9,77544	9,70548	1,04968758	ENST00000421462	8502	NM_001005476	PKP4
A_22_P00013635	1,46876	1,39883	1,049665752	ENST00000514293	N/A	N/A	N/A
A_32_P526255	1,72977	1,65984	1,049665752	ENST00000457797	285848	NM_001145717	PNPLA1
A_23_P83798	2,35428	2,28435	1,049665752	ENST00000316824	8092	NM_006982	ALX1
A_23_P108657	9,20445	9,13452	1,049665752	ENST00000409990	151525	NM_152528	WDSUB1
A_33_P3241582	17,3831	17,3132	1,049643925	ENST00000419621	6210	NM_001019	RPS15A
A_33_P3390873	15,1685	15,0986	1,049643925	ENST00000464444	N/A	N/A	N/A
A_32_P315178	1,71271	1,64282	1,04963665	ENST00000495496	344905	NM_198505	ATP13A5
A_21_P0014407	1,67272	1,60283	1,04963665	N/A	N/A	BX118153	N/A
A_21_P0011445	1,68517	1,61528	1,04963665	N/A	N/A	N/A	XLOC_I2_005287
A_33_P3314828	1,6934	1,62352	1,049629374	N/A	N/A	N/A	N/A
A_21_P0012134	1,65543	1,58555	1,049629374	ENST00000340424	N/A	N/A	N/A
A_22_P00005700	1,69147	1,62163	1,049600273	N/A	N/A	N/A	Inc-ELF5-1
A_22_P00007424	7,7827	7,71286	1,049600273	ENST00000518059	7993	NM_005671	UBXN8
A_33_P3213518	1,81311	1,74328	1,049592998	N/A	N/A	N/A	N/A

A_23_P363331	1,76938	1,69955	1,049592998	ENST00000261047	9626	NM_005459	GUCA1C
A_21_P0007732	1,67738	1,60755	1,049592998	N/A	N/A	N/A	Inc-CCDC59-5
A_33_P3412493	1,69612	1,6263	1,049585722	ENST00000506319	339855	BC024014	KY
A_33_P3353210	1,64619	1,57637	1,049585722	ENST00000407528	253559	NM_001167674	CADM2
A_23_P20894	7,37252	7,3027	1,049585722	ENST00000494249	79813	NM_024757	EHMT1
A_22_P00013928	1,68235	1,61254	1,049578447	N/A	N/A	N/A	Inc-RRAS2-1
A_32_P67623	9,11774	9,04794	1,049571172	ENST00000375180	54954	NM_001300788	FAM120C
A_22_P00009234	1,81773	1,74794	1,049563897	N/A	N/A	N/A	Inc-LRIG1-1
A_33_P3391175	6,04353	5,97375	1,049556622	ENST00000391625	N/A	AK126356	N/A
A_22_P00013809	1,63412	1,56435	1,049549347	N/A	100129620	NR_033940	LOC100129620
A_21_P0013705	1,66365	1,59388	1,049549347	ENST00000469756	N/A	N/A	N/A
A_21_P0003850	1,6926	1,62284	1,049542072	N/A	N/A	N/A	Inc-AC110373.1-1
A_22_P00012200	1,69495	1,62519	1,049542072	ENST00000520171	N/A	N/A	N/A
A_21_P0004488	1,46155	1,3918	1,049534797	N/A	N/A	N/A	Inc-CCT5-3
A_21_P0006962	1,68289	1,61315	1,049527523	N/A	N/A	N/A	Inc-PRKCQ-1
A_22_P00006750	6,87627	6,80654	1,049520248	ENST00000558209	N/A	AL134253	N/A
A_22_P00005192	3,13732	3,06761	1,049505698	ENST00000526112	N/A	N/A	N/A
A_22_P00000438	1,58557	1,51587	1,049498424	N/A	N/A	N/A	Inc-AC074389.6.1-3
A_23_P314222	11,4444	11,3747	1,049498424	ENST00000315141	123169	NM_138792	LEO1
A_22_P00011427	1,46007	1,3904	1,0494766	ENST00000506058	N/A	N/A	N/A
A_22_P00009812	1,63651	1,56686	1,049462052	ENST00000565422	100287718	NM_001162435	ANKRD66
A_21_P0000849	1,73556	1,66591	1,049462052	N/A	100506195	NR_038949	LARGE-AS1
A_21_P0014818	1,63091	1,56128	1,049447503	N/A	100128406	AY371499	AZFP
A_22_P00013892	1,7423	1,67267	1,049447503	N/A	N/A	N/A	Inc-RPS12-1
A_33_P3319155	10,6556	10,586	1,049425681	ENST00000405364	52	NM_001040649	ACP1
A_19_P00801042	11,0558	10,9862	1,049425681	ENST00000469078	7643	AK298173	ZNF90
A_33_P3294730	1,71483	1,64524	1,049418407	N/A	N/A	N/A	N/A
A_22_P00001934	1,63702	1,56743	1,049418407	N/A	N/A	N/A	Inc-BANP-3
A_23_P28688	9,38626	9,31669	1,049403859	ENST00000238112	51692	NM_016207	CPSF3
A_22_P00016568	1,93804	1,86848	1,049396585	N/A	N/A	N/A	Inc-TNFRSF17-1
A_21_P0007779	1,65784	1,5883	1,049382037	N/A	N/A	N/A	Inc-DHX37-4
A_22_P00021088	1,63807	1,56854	1,049374763	ENST00000569726	101927132	NR_110650	LOC101927132
A_33_P3238230	1,67455	1,60504	1,049360216	ENST00000506396	1004	AK024238	CDH6

A_21_P0006872	1,67856	1,60906	1,049352943	N/A	N/A	N/A	Inc-MAPK8-1
A_22_P00017885	3,80826	3,73876	1,049352943	ENST00000568836	N/A	N/A	N/A
A_23_P16139	8,63087	8,56137	1,049352943	ENST00000546361	10523	NM_006387	CHERP
A_22_P00001315	1,74692	1,67745	1,049331122	N/A	N/A	N/A	Inc-ANP32E-1
A_22_P00020662	3,38747	3,318	1,049331122	N/A	N/A	N/A	Inc-HMBOX1-2
A_21_P0001369	2,31639	2,24693	1,049323849	N/A	N/A	N/A	Inc-PHGDH-2
A_22_P00024797	1,70811	1,63865	1,049323849	N/A	N/A	BC043229	Inc-C5orf43-4
A_24_P46953	8,56625	8,49679	1,049323849	ENST00000396596	23678	NM_013257	SGK3
A_22_P00008310	1,65026	1,58083	1,049302029	N/A	100996301	NR_121637	FOXD3-AS1
A_22_P00013934	1,66137	1,59195	1,049294756	N/A	N/A	BC016014	Inc-RRM1-1
A_23_P41292	10,3048	10,2354	1,049280209	ENST00000514596	1487	NM_001012614	CTBP1
A_21_P0007352	1,46242	1,39304	1,049265663	N/A	101928919	XR_242877	LOC101928919
A_33_P3397655	6,54775	6,47842	1,049229299	ENST00000522122	11346	NM_001166208	SYNPO
A_22_P00009437	7,85163	7,78231	1,049222027	N/A	102724316	NR_110929	SVIL-AS1
A_33_P3214869	5,96295	5,89364	1,049214754	ENST00000327442	402569	NM_001145715	KPNA7
A_23_P311050	1,76846	1,69915	1,049214754	ENST00000282881	160492	NM_152590	LMNTD1
A_22_P00002447	1,7042	1,63489	1,049214754	ENST00000569908	N/A	BC037352	N/A
A_23_P303210	5,62474	5,55543	1,049214754	ENST00000299157	121457	NM_153687	IKBIP
A_33_P3228647	1,62898	1,5597	1,049192936	ENST00000230221	442191	NM_030946	OR14J1
A_22_P00022965	1,47825	1,409	1,049171119	N/A	N/A	N/A	Inc-NTSR2-4
A_21_P0013448	1,47837	1,40914	1,049156575	ENST00000447785	101928036	N/A	LOC101928036
A_22_P00007436	4,02159	3,95236	1,049156575	N/A	N/A	N/A	Inc-GSG2-2
A_24_P143076	6,38648	6,31726	1,049149303	ENST00000548163	144717	NM_144671	FAM109A
A_21_P0009101	1,67983	1,61062	1,049142031	N/A	N/A	N/A	Inc-IRX5-2
A_19_P00802027	17,2527	17,1835	1,049134758	N/A	N/A	N/A	N/A
A_22_P00002410	10,1229	10,0537	1,049134758	ENST00000553758	22846	NM_014909	VASH1
A_33_P3308874	1,63077	1,56157	1,049134758	ENST00000465374	5279	N/A	PIGC
A_22_P00000908	1,63317	1,56398	1,049127486	N/A	N/A	N/A	Inc-AIRE-1
A_33_P3316387	1,6295	1,56031	1,049127486	N/A	619455	NR_037183	SPANXA2-OT1
A_23_P140630	6,20578	6,1366	1,049120214	ENST00000309664	79748	NM_021819	LMAN1L
A_22_P00005876	1,70786	1,6387	1,049105671	N/A	N/A	N/A	Inc-ESR1-2
A_21_P0001278	2,36247	2,29332	1,049098399	N/A	N/A	N/A	Inc-PTPRU-3
A_33_P3279158	1,73197	1,66282	1,049098399	ENST00000545941	653149	NM_001143988	NBPF6



A_21_P0009539	1,63617	1,56702	1,049098399	N/A	N/A	N/A	Inc-B4GALT6-2
A_21_P0014130	1,45987	1,39074	1,049083855	N/A	101928790	NR_110059	LOC101928790
A_23_P255331	3,93068	3,86157	1,049069312	ENST00000398955	84709	NM_032623	MGARP
A_22_P00013409	1,47937	1,41026	1,049069312	ENST00000526509	N/A	N/A	N/A
A_33_P3301509	1,46319	1,3941	1,049054769	N/A	N/A	N/A	N/A
A_19_P00320966	9,3541	9,28505	1,049025683	ENST00000518964	100130231	N/A	LINC00861
A_33_P3418541	1,66579	1,59674	1,049025683	N/A	72	AK310215	ACTG2
A_21_P0002800	1,64762	1,57858	1,049018412	ENST00000496891	N/A	N/A	N/A
A_21_P0001936	3,24542	3,17638	1,049018412	ENST00000448117	104326193	N/A	DLX2-AS1
A_21_P0002219	1,70978	1,64076	1,04900387	N/A	N/A	N/A	Inc-CCDC85A-1
A_33_P3241150	1,4744	1,40541	1,048982057	N/A	N/A	N/A	N/A
A_33_P3318148	1,78182	1,71284	1,048974786	ENST00000556739	123041	NM_153647	SLC24A4
A_32_P188860	3,94431	3,87534	1,048967515	ENST00000296318	54756	NM_017563	IL17RD
A_33_P3239864	6,10089	6,03195	1,048945702	ENST00000496480	348094	AK307698	ANKDD1A
A_33_P3375348	4,47577	4,40686	1,04892389	N/A	N/A	N/A	N/A
A_33_P3411388	13,4067	13,3378	1,04891662	ENST00000316333	340260	NM_001080461	UNCX
A_33_P3297517	11,0155	10,9466	1,04891662	ENST00000342294	6434	NM_001243879	TRA2B
A_21_P0014041	1,69205	1,62316	1,048909349	N/A	9670	XM_003846624	IPO13
A_24_P49349	7,44768	7,3788	1,048902079	ENST00000474375	9910	NM_014857	RABGAP1L
A_23_P103803	1,46018	1,39131	1,048894808	ENST00000473231	115352	NM_052939	FCRL3
A_21_P0004084	4,00883	3,93996	1,048894808	N/A	N/A	N/A	Inc-CNOT6-4
A_24_P45379	5,89364	5,82478	1,048887538	ENST00000367679	27101	NM_014412	CACYBP
A_33_P3345464	1,47853	1,40967	1,048887538	ENST00000317861	127066	NM_001001918	OR14C36
A_32_P96000	1,6837	1,61485	1,048880268	ENST00000454449	440695	NM_001004341	ETV3L
A_23_P17593	1,47279	1,40395	1,048872997	ENST00000614565	1002	NM_001794	CDH4
A_22_P00022709	1,45892	1,39008	1,048872997	N/A	N/A	N/A	Inc-PCBD1-1
A_22_P00018393	1,68195	1,61311	1,048872997	ENST00000427049	100507506	N/A	LOC100507506
A_21_P0002635	1,77489	1,70605	1,048872997	N/A	N/A	N/A	Inc-CXXC11-3
A_21_P0005804	1,62296	1,55413	1,048865727	ENST00000521411	N/A	N/A	N/A
A_32_P59010	1,62872	1,55991	1,048851187	ENST00000327536	388121	NM_207381	TNFAIP8L3
A_23_P31921	11,2698	11,201	1,048843917	ENST00000422569	445	NM_000050	ASS1
A_22_P00019222	1,6281	1,55933	1,048822107	ENST00000435352	N/A	DB100530	N/A
A_22_P00002794	1,65782	1,58905	1,048822107	N/A	N/A	N/A	Inc-C2orf27A-3

A_32_P45168	9,51771	9,44894	1,048822107	ENST00000612568	3572	NM_002184	IL6ST
A_21_P0005865	1,48052	1,41176	1,048814837	N/A	N/A	N/A	Inc-DCAF4L2-1
A_21_P0013329	1,75192	1,68316	1,048814837	N/A	N/A	N/A	XLOC_I2_013875
A_22_P00004413	1,67542	1,60667	1,048807567	N/A	317751	NR_004382	MESTIT1
A_23_P140797	5,3552	5,28646	1,048800298	ENST00000577390	1006	NM_001796	CDH8
A_22_P00015844	1,75424	1,68553	1,048778489	N/A	N/A	N/A	Inc-TBCD-2
A_33_P3386288	1,93277	1,86406	1,048778489	ENST00000273908	79966	NM_024906	SCD5
A_23_P155830	11,6146	11,5459	1,048771219	ENST00000409757	57533	NM_020773	TBC1D14
A_33_P3381827	10,5369	10,4682	1,048771219	ENST00000618198	9885	NM_001278649	OSBPL2
A_22_P00010959	1,68684	1,61815	1,04876395	N/A	N/A	N/A	Inc-NRBF2-1
A_22_P00022798	1,47734	1,40867	1,048749411	ENST00000425325	N/A	N/A	N/A
A_21_P0014449	1,71006	1,6414	1,048742141	N/A	100506532	XR_109854	LOC100506532
A_21_P0009034	1,47398	1,40532	1,048742141	ENST00000561336	100996338	N/A	LOC100996338
A_24_P280333	1,72222	1,65359	1,048720334	ENST00000461923	125115	NM_182497	KRT40
A_33_P3380086	6,04022	5,97161	1,048705795	ENST00000323871	5829	XR_243019	PXN
A_33_P3268853	1,48044	1,41185	1,048691257	N/A	N/A	N/A	Inc-IRF4-1
A_23_P253791	3,11073	3,04216	1,048676719	ENST00000296435	820	NM_004345	CAMP
A_21_P0007491	1,71047	1,6419	1,048676719	ENST00000540882	100862680	NR_046392	LINC00507
A_33_P3213702	1,67579	1,60723	1,048669451	ENST00000504864	N/A	N/A	N/A
A_33_P3816280	1,75374	1,68519	1,048662182	ENST00000599486	146513	NR_038438	LOC146513
A_22_P00012666	1,66245	1,5939	1,048662182	ENST00000544183	3	DA137179	A2MP1
A_21_P0004608	1,63988	1,57134	1,048654913	ENST00000607810	100506885	N/A	LOC100506885
A_33_P3292646	1,62926	1,56073	1,048647644	ENST00000454679	340895	NM_001142308	MALRD1
A_33_P3379751	1,6259	1,55738	1,048640376	ENST00000320704	341799	NM_001001968	OR6S1
A_33_P3387016	1,72114	1,65263	1,048633107	N/A	N/A	N/A	N/A
A_33_P6820811	5,4969	5,4284	1,048625839	N/A	401320	NR_038889	LOC401320
A_33_P3320127	11,6944	11,6259	1,048625839	ENST00000300935	4218	NM_005370	RAB8A
A_19_P00320275	4,14285	4,07436	1,04861857	ENST00000602830	286411	NR_104228	LINC00632
A_24_P892494	1,63253	1,56405	1,048611302	ENST00000501050	285548	NR_015450	LINC01096
A_33_P3725324	1,46493	1,39646	1,048604033	ENST00000338981	8287	NM_004654	USP9Y
A_22_P00002971	3,77717	3,7087	1,048604033	N/A	N/A	N/A	Inc-C6orf112-2
A_21_P0006877	1,65503	1,58657	1,048596765	N/A	N/A	N/A	Inc-REEP3-2
A_19_P00315519	1,62284	1,55438	1,048596765	ENST00000511417	N/A	N/A	N/A

A_22_P00020915	1,65527	1,58681	1,048596765	ENST00000512939	N/A	N/A	N/A
A_21_P0013515	1,62021	1,55175	1,048596765	ENST00000509729	N/A	N/A	N/A
A_22_P00012028	1,6635	1,59505	1,048589497	N/A	N/A	CK001701	Inc-PLEKHA3-4
A_33_P3422822	8,77261	8,70417	1,048582228	ENST00000366714	57165	NM_020435	GJC2
A_21_P0012434	3,42602	3,35758	1,048582228	N/A	N/A	N/A	XLOC_I2_010113
A_33_P3395636	5,58631	5,51788	1,04857496	ENST00000449255	N/A	N/A	N/A
A_22_P00019952	1,70828	1,63986	1,048567692	ENST00000409910	N/A	N/A	N/A
A_22_P00020764	1,4566	1,38818	1,048567692	ENST00000440888	N/A	N/A	N/A
A_23_P56347	1,47627	1,40787	1,048553156	ENST00000327495	5671	NM_021016	PSG3
A_21_P0001076	1,75361	1,68522	1,048545888	ENST00000429507	N/A	N/A	N/A
A_22_P00012603	1,61933	1,55094	1,048545888	ENST00000437471	N/A	N/A	N/A
A_33_P3287073	1,7875	1,71914	1,048524084	ENST00000321800	283982	NR_027146	LINC00469
A_21_P0006016	2,33122	2,26288	1,048509549	ENST00000429953	N/A	XR_252577	N/A
A_22_P00009595	1,62034	1,552	1,048509549	N/A	N/A	BG209861	Inc-MAPK6-6
A_22_P00011615	1,73745	1,66912	1,048502281	ENST00000561794	N/A	BX101016	N/A
A_22_P00013045	3,9691	3,90079	1,048487746	ENST00000534288	8490	NM_001254748	RGS5
A_21_P0001160	1,4727	1,40439	1,048487746	N/A	N/A	N/A	Inc-DBT-1
A_23_P147450	13,6886	13,6203	1,048480478	ENST00000561078	51324	NM_016630	SPG21
A_22_P00024650	1,69366	1,62536	1,048480478	ENST00000452787	100507140	N/A	LOC100507140
A_23_P69537	12,6686	12,6003	1,048480478	ENST00000264218	10874	NM_006681	NMU
A_24_P391868	1,89692	1,82863	1,048473211	ENST00000359546	10814	NM_006650	CPLX2
A_21_P0007535	1,68585	1,61756	1,048473211	N/A	N/A	N/A	Inc-LRMP-4
A_19_P00322911	1,62106	1,55277	1,048473211	ENST00000448943	117581	NM_057179	TWIST2
A_22_P00024830	1,78101	1,71273	1,048465943	N/A	N/A	N/A	Inc-OR6S1-1
A_21_P0010757	1,71325	1,64498	1,048458676	N/A	163720	AY696295	CYP4Z2P
A_22_P00014345	1,71922	1,65095	1,048458676	ENST00000498413	104310350	N/A	LINC01327
A_21_P0000522	1,73634	1,66808	1,048451409	N/A	285045	N/A	LINC00486
A_33_P3293446	1,63355	1,56531	1,048436874	ENST00000375377	57608	NM_020848	KIAA1462
A_19_P00322096	7,84237	7,77413	1,048436874	N/A	732253	NR_024015	TDRG1
A_22_P00002305	4,60042	4,5322	1,04842234	N/A	406992	NR_029623	MIR210
A_33_P3253707	10,4057	10,3375	1,048407806	ENST00000318317	122769	NM_152329	LRR1
A_21_P0000923	1,6707	1,60251	1,048400539	N/A	N/A	N/A	Inc-C1orf31-7
A_21_P0004064	1,62348	1,55529	1,048400539	ENST00000506592	N/A	N/A	N/A

A_21_P0011255	1,65776	1,58958	1,048393272	N/A	N/A	N/A	XLOC_I2_004306
A_22_P00016501	1,69368	1,62551	1,048386005	N/A	N/A	N/A	Inc-TMPRSS15-1
A_23_P27207	1,86341	1,79525	1,048378738	ENST00000613221	147199	NM_145651	SCGB1C1
A_21_P0003206	1,74029	1,67213	1,048378738	N/A	N/A	N/A	Inc-CPN2-2
A_22_P00011121	1,62149	1,55334	1,048371471	N/A	101928143	XR_245781	LOC101928143
A_21_P0011281	1,4688	1,40065	1,048371471	ENST00000429368	100507257	NR_047664	MEG9
A_21_P0013191	7,84775	7,7796	1,048371471	N/A	N/A	N/A	XLOC_I2_013330
A_33_P3391100	1,72239	1,65427	1,048349671	N/A	N/A	N/A	N/A
A_24_P66001	9,04046	8,97234	1,048349671	ENST00000401406	29796	NM_001003684	UQCR10
A_21_P0001257	1,47201	1,4039	1,048342405	N/A	N/A	N/A	Inc-DFFB-4
A_21_P0002919	1,47662	1,40852	1,048335138	ENST00000438156	N/A	N/A	N/A
A_22_P00000624	1,75142	1,68333	1,048327872	ENST00000431911	N/A	N/A	N/A
A_21_P0005953	1,68831	1,62024	1,048313339	N/A	N/A	N/A	Inc-KHDRBS3-5
A_22_P00006818	1,6184	1,55034	1,048306072	N/A	N/A	N/A	Inc-GABRA5-3
A_21_P0003094	1,47485	1,40679	1,048306072	ENST00000457079	401109	NR_034088	LINC00885
A_23_P250694	1,6135	1,54544	1,048306072	ENST00000356588	114960	NM_052933	TSGA13
A_22_P00003153	1,46883	1,40077	1,048306072	N/A	N/A	N/A	Inc-C9orf38-1
A_33_P3339006	1,47415	1,40611	1,04829154	N/A	54088	AI796012	LINC00113
A_23_P417891	4,09939	4,03136	1,048284274	ENST00000375741	8874	NM_145735	ARHGEF7
A_33_P3359428	1,64088	1,57286	1,048277008	N/A	N/A	N/A	N/A
A_21_P0000176	1,61782	1,54983	1,04825521	N/A	1012	NM_001220491	CDH13
A_22_P00005754	1,62694	1,55895	1,04825521	ENST00000506612	N/A	N/A	N/A
A_23_P39766	9,46485	9,39686	1,04825521	ENST00000320717	2744	NM_014905	GLS
A_33_P3319248	1,46405	1,39607	1,048247944	ENST00000400156	100131980	NM_001164457	ZNF705G
A_22_P00008312	1,46585	1,39788	1,048240678	ENST00000455304	199899	NR_038252	LINC00466
A_23_P130241	1,67484	1,60687	1,048240678	ENST00000344363	81850	NM_030966	KRTAP1-3
A_24_P601831	1,72831	1,66035	1,048233412	ENST00000434443	285735	NR_026969	LINC00326
A_22_P00008093	1,48136	1,4134	1,048233412	ENST00000558153	N/A	BG207073	N/A
A_33_P3278911	9,57321	9,50526	1,048226146	ENST00000486199	51105	XM_005250942	PHF20L1
A_33_P3236071	1,45716	1,38921	1,048226146	ENST00000348658	51266	NM_016509	CLEC1B
A_22_P00002051	1,75612	1,68818	1,04821888	ENST00000455174	N/A	N/A	N/A
A_23_P399116	1,74836	1,68043	1,048211615	ENST00000437684	128025	NM_144625	WDR64
A_21_P0005074	1,76638	1,69846	1,048204349	N/A	N/A	N/A	Inc-NOX3-4

A_22_P00002449	1,74956	1,68164	1,048204349	ENST00000566797	N/A	XR_433059	N/A
A_33_P3349455	6,81174	6,74382	1,048204349	ENST00000420638	N/A	N/A	N/A
A_24_P162226	1,48073	1,41281	1,048204349	ENST00000261655	23504	NM_015347	RIMBP2
A_21_P0006071	7,24737	7,17948	1,048182553	N/A	N/A	N/A	Inc-NOL6-2
A_23_P66858	1,6637	1,59583	1,048168022	ENST00000334202	83902	NM_031964	KRTAP17-1
A_33_P3304696	1,70521	1,63734	1,048168022	N/A	N/A	AF058072	N/A
A_22_P00014811	1,78951	1,72164	1,048168022	N/A	400618	NR_103737	SOX9-AS1
A_24_P317874	9,78499	9,71713	1,048160756	ENST00000471320	22944	NM_012311	KIN
A_22_P00010871	1,62547	1,55761	1,048160756	ENST00000565041	N/A	DA686335	N/A
A_23_P35444	5,05132	4,98347	1,048153491	ENST00000616853	9118	NM_032727	INA
A_21_P0013154	1,75206	1,68422	1,048146226	ENST00000417483	N/A	N/A	N/A
A_22_P00016436	1,48134	1,41353	1,048124431	N/A	N/A	N/A	Inc-TMEM41B-2
A_22_P00017435	1,47344	1,40567	1,048095371	ENST00000620649	N/A	BI825853	N/A
A_21_P0014137	1,61326	1,54549	1,048095371	N/A	N/A	XR_112627	N/A
A_21_P0012020	1,68126	1,6135	1,048088106	ENST00000422238	101927801	XR_427167	LOC101927801
A_21_P0002170	1,66996	1,60222	1,048073576	N/A	N/A	N/A	Inc-PQLC3-1
A_22_P00005338	1,71132	1,64358	1,048073576	ENST00000555303	N/A	DB337664	N/A
A_33_P3383491	1,71757	1,64984	1,048066312	ENST00000328313	339221	NM_178543	ENPP7
A_22_P00003817	1,71631	1,64859	1,048059047	ENST00000571192	N/A	N/A	N/A
A_23_P147839	1,70163	1,63392	1,048051783	ENST00000354839	2044	NM_004439	EPHA5
A_21_P0004470	4,40787	4,34016	1,048051783	N/A	N/A	N/A	Inc-DUSP1-1
A_33_P3235677	1,45944	1,39174	1,048044518	N/A	N/A	N/A	N/A
A_24_P930111	1,66581	1,59811	1,048044518	ENST00000446997	57282	NM_022058	SLC4A10
A_21_P0008888	1,61679	1,54909	1,048044518	ENST00000601556	732275	NR_024406	LINC00917
A_33_P3379190	1,64522	1,57752	1,048044518	ENST00000394256	341418	NM_001005494	OR6C4
A_33_P3289401	1,47126	1,40358	1,048029989	ENST00000380370	119679	NM_001001916	OR52J3
A_33_P3388322	4,05477	3,9871	1,048022725	ENST00000390298	N/A	AB363371	N/A
A_22_P00005963	5,00247	4,9348	1,048022725	ENST00000561377	79618	N/A	HMBX1
A_33_P3323892	1,62208	1,55442	1,048015461	N/A	N/A	N/A	N/A
A_23_P36985	1,66066	1,593	1,048015461	ENST00000338862	5100	NM_002590	PCDH8
A_22_P00002285	1,71062	1,64296	1,048015461	N/A	N/A	AW770842	Inc-C10orf68-3
A_21_P0002693	7,63635	7,56871	1,048000932	N/A	N/A	N/A	Inc-AC110619.2.1-1
A_33_P3311498	1,61873	1,55109	1,048000932	N/A	283392	NR_026837	TRHDE-AS1

A_21_P0014403	1,70706	1,63943	1,047993668	N/A	N/A	N/A	Inc-ARFGFE2-2
A_23_P200507	13,4976	13,43	1,047971876	ENST00000366860	29097	NM_014184	CNIH4
A_19_P00318878	10,5678	10,5002	1,047971876	ENST00000566446	N/A	N/A	N/A
A_21_P0008044	1,79236	1,72477	1,047964612	ENST00000440633	440132	NR_103813	LINC00545
A_22_P00003841	2,08041	2,01285	1,04794282	N/A	N/A	N/A	Inc-CEACAM18-1
A_33_P3372985	1,61386	1,5463	1,04794282	ENST00000567788	100190940	NR_024457	LOC100190940
A_33_P3372965	1,62624	1,55868	1,04794282	N/A	N/A	N/A	N/A
A_22_P00020579	3,25667	3,18912	1,047935556	N/A	N/A	XM_006712521	Inc-FZD5-1
A_33_P3242693	1,46273	1,39519	1,047928293	ENST00000428570	55867	NM_018484	SLC22A11
A_21_P0002283	1,73408	1,66655	1,047921029	N/A	N/A	N/A	Inc-TSN-5
A_33_P3423565	1,7001	1,63257	1,047921029	N/A	N/A	N/A	N/A
A_23_P110234	3,75675	3,68922	1,047921029	ENST00000505782	1446	NM_001890	CSN1S1
A_33_P3416043	1,65984	1,59232	1,047913765	ENST00000451403	N/A	N/A	N/A
A_22_P00007738	1,616	1,54849	1,047906502	ENST00000569292	N/A	AF508908	N/A
A_33_P3421827	6,30148	6,23397	1,047906502	ENST00000252951	3050	NM_005332	HBZ
A_24_P244410	11,2321	11,1646	1,047899238	ENST00000538919	25906	NM_014042	ANAPC15
A_23_P24444	13,1484	13,0809	1,047899238	ENST00000355527	1717	NM_001360	DHCR7
A_21_P0011142	14,2362	14,1687	1,047899238	ENST00000432820	4673	NM_139207	NAP1L1
A_21_P0004721	1,4805	1,41302	1,047884712	ENST00000437430	101927888	XR_241961	LOC101927888
A_33_P3283700	1,48204	1,41459	1,047862922	N/A	N/A	N/A	N/A
A_22_P00007146	5,38975	5,32231	1,047855658	ENST00000566873	101927450	NR_109771	LOC101927450
A_22_P00014763	1,45435	1,38692	1,047848395	N/A	389023	NR_036580	DPP10-AS1
A_21_P0009585	1,69033	1,6229	1,047848395	N/A	N/A	N/A	Inc-ZNF516-7
A_21_P0002892	1,71329	1,64587	1,047841132	N/A	N/A	N/A	Inc-DHX36-2
A_32_P31182	14,3036	14,2362	1,047826606	ENST00000457119	6129	NM_000971	RPL7
A_33_P3314212	6,73769	6,67029	1,047826606	ENST00000417555	N/A	DQ867088	N/A
A_19_P00804740	5,41169	5,34429	1,047826606	N/A	202020	NR_027696	TAPT1-AS1
A_21_P0013210	1,48235	1,41497	1,04781208	N/A	N/A	N/A	XLOC_I2_013436
A_33_P3250348	1,7534	1,68603	1,047804817	ENST00000344876	54510	NM_019035	PCDH18
A_32_P83803	1,98137	1,91401	1,047797555	N/A	317751	NR_004382	MESTIT1
A_22_P00013265	1,61595	1,54861	1,047783029	N/A	N/A	N/A	Inc-RP1-199H16.5.1-1
A_33_P3659992	1,65453	1,5872	1,047775766	ENST00000470546	647107	NR_033945	LINC01192
A_22_P00012214	1,4705	1,40317	1,047775766	ENST00000507666	N/A	N/A	N/A

A_33_P3310784	1,46542	1,39809	1,047775766	ENST00000379384	53346	NM_023003	TM6SF1
A_21_P0012991	1,48186	1,41453	1,047775766	ENST00000503268	N/A	N/A	N/A
A_32_P216635	1,48344	1,41612	1,047768504	ENST00000339824	283455	NM_173598	KSR2
A_22_P00002865	1,75276	1,68544	1,047768504	N/A	N/A	DB025085	Inc-C3orf65-3
A_33_P3421530	1,62536	1,55804	1,047768504	N/A	256158	AK128020	HMCN2
A_22_P00018473	4,94027	4,87295	1,047768504	N/A	N/A	N/A	Inc-TSSC4-1
A_22_P00025801	13,9211	13,8538	1,047753979	ENST00000535352	100505993	N/A	TMEM210
A_21_P0003872	1,45842	1,39117	1,047717667	N/A	N/A	N/A	Inc-ZFP42-7
A_21_P0002935	1,76726	1,70003	1,047703143	N/A	101927805	XR_425594	LOC101927805
A_22_P00006836	1,62092	1,55371	1,047688619	N/A	N/A	N/A	Inc-GADD45A-1
A_23_P210920	14,6014	14,5342	1,047681357	ENST00000216951	2937	NM_000178	GSS
A_23_P379550	11,7487	11,6815	1,047681357	ENST00000478828	8565	NM_003680	YARS
A_21_P0008863	1,61461	1,54741	1,047681357	ENST00000559008	101929560	XR_424652	LOC101929560
A_22_P00002888	1,61907	1,55187	1,047681357	ENST00000508724	N/A	N/A	N/A
A_22_P00025185	1,73077	1,66359	1,047666833	ENST00000503456	N/A	N/A	N/A
A_22_P00000084	1,63196	1,56479	1,047659571	ENST00000454040	64002	NR_002769	PCGEM1
A_21_P0007002	1,77427	1,70711	1,047652309	N/A	N/A	N/A	Inc-RTKN2-3
A_21_P0008142	1,61247	1,54531	1,047652309	N/A	N/A	N/A	Inc-SOHLH2-1
A_33_P3353547	1,71949	1,65234	1,047645047	ENST00000609129	728116	NM_001145720	ZBTB8B
A_22_P00016716	1,77186	1,70473	1,047630524	N/A	N/A	N/A	Inc-TRAPPC12-1
A_23_P344451	1,62651	1,5594	1,047616001	ENST00000299633	50810	NM_016073	HDGFRP3
A_21_P0008118	3,38833	3,32122	1,047616001	N/A	N/A	N/A	Inc-ING1-1
A_33_P3337609	3,76695	3,69985	1,047608739	ENST00000411475	N/A	N/A	N/A
A_33_P3402983	1,46084	1,39374	1,047608739	ENST00000614586	54768	NM_001270974	HYDIN
A_23_P259357	17,6187	17,5516	1,047608739	ENST00000343605	339665	NM_001001479	SLC35E4
A_33_P3214690	1,68439	1,6173	1,047601478	ENST00000401917	22871	NM_014932	NLGN1
A_33_P3405870	1,65872	1,59164	1,047594216	N/A	N/A	N/A	N/A
A_21_P0009470	1,6588	1,59173	1,047586955	N/A	N/A	N/A	Inc-TAF4B-3
A_21_P0004839	4,11129	4,04424	1,047572433	N/A	N/A	N/A	Inc-PHACTR1-1
A_22_P00007455	3,97214	3,9051	1,047565171	N/A	N/A	DA733024	Inc-GTDC1-4
A_22_P00014927	1,46472	1,3977	1,047550649	ENST00000445967	N/A	N/A	N/A
A_24_P43876	8,18301	8,116	1,047543388	ENST00000376854	55071	NM_017998	C9orf40
A_21_P0001678	1,64498	1,57797	1,047543388	N/A	N/A	N/A	Inc-DMRTB1-1

A_33_P3264577	11,2048	11,1378	1,047536127	ENST00000466110	1639	NM_004082	DCTN1
A_21_P0001604	1,47885	1,41187	1,047521605	N/A	N/A	N/A	Inc-FAM5C-3
A_21_P0003721	1,79115	1,72418	1,047514344	N/A	N/A	N/A	Inc-HS3ST1-1
A_21_P0000665	1,73899	1,67203	1,047507084	ENST00000418006	100271702	NR_036546	LINC00940
A_22_P00015223	1,77247	1,70552	1,047499823	N/A	N/A	N/A	Inc-SP140-2
A_22_P00023457	1,6742	1,60725	1,047499823	N/A	N/A	N/A	Inc-C10orf103-1
A_23_P92120	1,75018	1,68325	1,047485302	ENST00000343837	132203	NM_001080537	SNTN
A_21_P0012967	3,95332	3,88642	1,04746352	ENST00000412295	N/A	N/A	N/A
A_21_P0002373	1,77404	1,70714	1,04746352	N/A	N/A	N/A	Inc-COPS8-1
A_22_P00021859	1,95731	1,89042	1,04745626	N/A	N/A	N/A	Inc-COQ10B-1
A_22_P00009743	1,48276	1,41587	1,04745626	ENST00000546086	N/A	XR_110374	N/A
A_21_P0002816	1,65207	1,58518	1,04745626	N/A	N/A	N/A	Inc-MAP3K13-1
A_22_P00008618	1,48548	1,41861	1,047441739	ENST00000400605	286554	NR_002923	BCORP1
A_22_P00024508	1,79224	1,72538	1,047434478	N/A	N/A	N/A	Inc-WRN-3
A_21_P0005305	1,61788	1,55103	1,047427218	ENST00000457592	N/A	N/A	N/A
A_21_P0005954	1,74369	1,67684	1,047427218	ENST00000519500	552853	NR_126028	NCRNA00250
A_23_P101683	1,6699	1,60307	1,047412698	ENST00000221804	1178	NM_001828	CLC
A_22_P00014619	1,6537	1,58687	1,047412698	ENST00000545999	N/A	N/A	N/A
A_33_P3386453	6,88308	6,81626	1,047405438	ENST00000407916	394	NM_001030055	ARHGAP5
A_21_P0012231	1,46351	1,3967	1,047398178	ENST00000421051	101928107	N/A	LOC101928107
A_22_P00007952	1,67867	1,61186	1,047398178	ENST00000614137	N/A	AB593139	N/A
A_33_P3420267	1,60881	1,54201	1,047390918	ENST00000413151	N/A	N/A	N/A
A_23_P139050	1,7632	1,69641	1,047383658	ENST00000357438	283160	NM_001002918	OR8D2
A_22_P00004383	1,48055	1,41376	1,047383658	N/A	N/A	N/A	Inc-COL6A3-3
A_22_P00020606	1,64049	1,5737	1,047383658	N/A	N/A	BX248745	Inc-SNW1-4
A_33_P3230886	1,76232	1,69554	1,047376398	ENST00000330803	127077	NM_001001964	OR2T11
A_33_P3283684	1,66713	1,60037	1,047361878	ENST00000409280	136895	NM_138811	C7orf31
A_21_P0005316	1,72819	1,66146	1,047340099	ENST00000447198	N/A	N/A	N/A
A_23_P91930	11,1757	11,109	1,047318321	ENST00000281273	79691	NM_024638	QTRTD1
A_22_P00004875	1,6157	1,549	1,047318321	ENST00000426794	N/A	N/A	N/A
A_22_P00008351	1,69191	1,62522	1,047311061	ENST00000562817	100288079	N/A	GS1-279B7.1
A_33_P3323054	1,61018	1,54351	1,047296543	ENST00000554907	N/A	N/A	N/A
A_24_P159434	1,61316	1,54649	1,047296543	ENST00000392625	11314	NM_007261	CD300A



A_21_P0002393	1,46001	1,39334	1,047296543	ENST00000592730	102800314	NR_110497	MIR7515HG
A_33_P3393121	1,68856	1,62189	1,047296543	ENST00000449381	64593	N/A	RBMY3AP
A_21_P0005880	1,71091	1,64425	1,047289283	N/A	N/A	N/A	Inc-SLC25A32-2
A_22_P00021332	1,60723	1,5406	1,047267506	ENST00000328344	N/A	N/A	N/A
A_21_P0001709	1,65915	1,59252	1,047267506	ENST00000424735	101929120	NR_110716	LINC01351
A_22_P00025784	1,70083	1,63421	1,047260247	ENST00000525673	N/A	BX090602	N/A
A_23_P123108	3,40163	3,33501	1,047260247	ENST00000493453	10142	AF026245	AKAP9
A_33_P3400107	1,7033	1,63669	1,047252988	ENST00000443243	100192420	N/A	FLJ41941
A_21_P0004988	1,61363	1,54702	1,047252988	N/A	N/A	N/A	Inc-GMDS-3
A_22_P00017553	1,45575	1,38916	1,04723847	N/A	N/A	N/A	Inc-WDR4-4
A_33_P3261308	1,68368	1,61709	1,04723847	N/A	N/A	N/A	N/A
A_23_P370544	5,67382	5,60723	1,04723847	ENST00000520309	150709	NM_144708	ANKAR
A_22_P00004222	1,68086	1,61428	1,047231211	ENST00000529234	N/A	BQ057011	N/A
A_22_P00013673	6,31836	6,25179	1,047223952	N/A	N/A	CF129872	Inc-RP11-688I9.2.1-1
A_21_P0003225	1,77392	1,70736	1,047216693	N/A	101928114	N/A	LOC101928114
A_33_P3382714	1,61772	1,55117	1,047209435	N/A	144742	N/A	LINC00934
A_33_P3404889	5,6147	5,54816	1,047202176	ENST00000370725	N/A	XM_006710485	N/A
A_33_P3327086	1,70694	1,64041	1,047194917	ENST00000382764	100533178	NM_001282471	PRORY
A_22_P00011171	4,43715	4,37063	1,047187659	N/A	N/A	N/A	Inc-ODF4-2
A_22_P00022708	1,79212	1,7256	1,047187659	N/A	100506406	N/A	LOC100506406
A_21_P0006064	1,46391	1,3974	1,0471804	N/A	N/A	N/A	Inc-C9orf66-6
A_23_P48977	12,8701	12,8036	1,047173142	ENST00000558406	64963	NM_022839	MRPS11
A_23_P200056	10,183	10,1165	1,047173142	ENST00000378625	65220	NM_023018	NADK
A_24_P185314	10,7331	10,6666	1,047173142	ENST00000322897	8774	NM_003826	NAPG
A_21_P0003988	1,74967	1,6832	1,047151367	ENST00000506429	N/A	N/A	N/A
A_21_P0007402	1,68613	1,61966	1,047151367	N/A	101928940	N/A	LOC101928940
A_22_P00003606	1,67689	1,61043	1,047144108	N/A	N/A	DA247417	Inc-CD300LF-1
A_33_P3258627	1,62515	1,55871	1,047129592	ENST00000409162	N/A	N/A	N/A
A_24_P922252	6,27542	6,20899	1,047122334	N/A	79029	AK022348	SPATA5L1
A_22_P00011633	1,77303	1,70661	1,047115076	N/A	N/A	N/A	Inc-PCYOX1-2
A_21_P0000209	7,00407	6,93765	1,047115076	N/A	26772	NR_000009	SNORD4B
A_22_P00014802	4,70264	4,63623	1,047107818	ENST00000582712	N/A	N/A	N/A
A_24_P291588	10,5343	10,4679	1,04710056	ENST00000313143	1857	NM_004423	DVL3

A_21_P0004079	1,73621	1,66986	1,047064271	N/A	N/A	N/A	Inc-FAM153A-2
A_22_P00005893	1,7503	1,68395	1,047064271	ENST00000537293	N/A	EF565103	N/A
A_22_P00001056	1,72966	1,66333	1,047049755	ENST00000497397	N/A	XR_426474	N/A
A_23_P386973	1,60816	1,54183	1,047049755	ENST00000008391	83741	NM_172238	TFAP2D
A_33_P3312271	1,67572	1,6094	1,047042498	N/A	440200	AK021542	FLJ41170
A_21_P0008643	1,61716	1,55086	1,047027983	ENST00000559821	N/A	N/A	N/A
A_33_P3325808	4,30385	4,23755	1,047027983	ENST00000480063	N/A	N/A	N/A
A_22_P00000123	1,48623	1,41993	1,047027983	N/A	102724719	NR_120678	LOC102724719
A_23_P55174	8,60844	8,54214	1,047027983	ENST00000590639	92579	NM_138387	G6PC3
A_33_P3238166	1,45717	1,39088	1,047020725	ENST00000252804	7837	NM_012293	PXDN
A_22_P00009659	1,68905	1,62277	1,047013468	ENST00000445180	101929406	NR_110790	LOC101929406
A_22_P00010691	1,46958	1,40333	1,046991696	ENST00000441205	N/A	N/A	N/A
A_22_P00005489	1,47358	1,40735	1,046977182	ENST00000546170	101927922	NR_120456	LINC01479
A_22_P00010835	1,65731	1,59109	1,046969925	N/A	N/A	N/A	Inc-NOC3L-2
A_32_P50734	1,61919	1,55297	1,046969925	ENST00000444001	N/A	BU854292	N/A
A_33_P3419831	1,65618	1,58998	1,046955411	ENST00000306731	140834	N/A	C20orf62
A_21_P0007696	1,6985	1,6323	1,046955411	N/A	N/A	N/A	Inc-ERGIC2-1
A_22_P00016124	1,60936	1,54316	1,046955411	N/A	N/A	AK091653	Inc-TIGD1L2-2
A_33_P3768196	1,68734	1,62118	1,046926383	ENST00000412068	284551	NR_027085	LINC01226
A_33_P3383174	1,73629	1,67013	1,046926383	ENST00000572508	N/A	XR_247456	N/A
A_33_P3325700	1,7654	1,69925	1,046919127	ENST00000555844	1734	NM_001242502	DIO2
A_22_P00010501	1,70711	1,64096	1,046919127	N/A	N/A	N/A	Inc-NBEA-2
A_23_P47110	1,65535	1,58921	1,04691187	ENST00000444002	N/A	AF118080	N/A
A_33_P3225357	1,69373	1,62759	1,04691187	ENST00000489487	644444	NR_028357	TMEM30C
A_33_P3331021	1,61388	1,54775	1,046904613	N/A	100129148	NR_033999	LOC100129148
A_22_P00018063	1,60695	1,54084	1,0468901	ENST00000431956	N/A	N/A	N/A
A_24_P34031	1,45396	1,38786	1,046882844	ENST00000369297	2045	NM_001288630	EPHA7
A_33_P3370461	17,4267	17,3606	1,046882844	ENST00000497969	N/A	N/A	N/A
A_22_P00024632	1,72015	1,65406	1,046875587	ENST00000572343	101929650	XR_243528	LOC101929650
A_24_P48723	1,78913	1,72305	1,046868331	ENST00000244043	5740	NM_000961	PTGIS
A_22_P00016441	1,78443	1,71835	1,046868331	N/A	N/A	N/A	Inc-TMEM53-1
A_22_P00007111	1,658	1,59192	1,046868331	N/A	N/A	N/A	Inc-GLUD1-1
A_22_P00015723	1,45144	1,38537	1,046861075	N/A	N/A	N/A	Inc-SYT17-2

A_33_P3209170	1,60547	1,5394	1,046861075	ENST00000438525	100129239	NM_001144064	CXorf51A
A_21_P0004878	1,70689	1,64085	1,046839306	N/A	N/A	N/A	Inc-FTSJD2-1
A_33_P3380452	1,46807	1,40203	1,046839306	ENST00000302572	390191	NM_001004733	OR5B12
A_21_P0006422	3,56873	3,50271	1,046824794	ENST00000366224	N/A	N/A	N/A
A_33_P3229002	4,46368	4,39768	1,046810282	ENST00000605587	146853	NM_145272	C17orf50
A_33_P3322484	1,64751	1,58151	1,046810282	ENST00000302259	414301	NM_001001711	DDI1
A_21_P0008116	8,14185	8,0759	1,046774003	N/A	N/A	N/A	Inc-COL4A2-3
A_24_P83272	1,76792	1,70198	1,046766747	ENST00000378982	4115	NM_002367	MAGEB4
A_33_P3264731	4,56309	4,49715	1,046766747	ENST00000595971	100129094	NM_001287262	BTNL10
A_22_P00023031	1,75414	1,68825	1,04673047	ENST00000481004	N/A	XR_427347	N/A
A_21_P0012647	1,61515	1,54926	1,04673047	N/A	N/A	N/A	XLLOC_I2_011001
A_21_P0002399	1,73944	1,67355	1,04673047	N/A	N/A	N/A	Inc-MBOAT2-1
A_33_P3322211	1,48561	1,41974	1,046715959	N/A	N/A	N/A	N/A
A_23_P12082	1,64235	1,57648	1,046715959	ENST00000369748	1117	NM_001025199	CHI3L2
A_33_P3228427	1,72614	1,66027	1,046715959	N/A	N/A	BX103560	N/A
A_22_P00000638	1,46069	1,39483	1,046708704	ENST00000515864	100506229	NR_039975	LINC01093
A_33_P3277043	3,11864	3,05278	1,046708704	N/A	N/A	N/A	N/A
A_22_P00014321	1,62163	1,55577	1,046708704	ENST00000452004	N/A	BX092676	N/A
A_21_P0009635	1,61304	1,54719	1,046701449	N/A	N/A	N/A	Inc-RTTN-2
A_22_P00019879	1,61122	1,54538	1,046694193	N/A	N/A	N/A	Inc-SIGLEC16-1
A_22_P00012462	1,67346	1,60763	1,046686938	N/A	N/A	N/A	Inc-PRR15-1
A_21_P0011967	1,48315	1,41732	1,046686938	ENST00000436072	6424	N/A	SFRP4
A_21_P0001524	1,65912	1,5933	1,046679683	N/A	N/A	N/A	Inc-TTLL7-1
A_22_P00020849	1,76887	1,70307	1,046665173	N/A	N/A	N/A	Inc-RP11-93B14.6.1-5
A_21_P0001040	1,7588	1,69301	1,046657918	ENST00000424735	101929120	NR_110716	LINC01351
A_22_P00018331	4,46508	4,39932	1,046636154	N/A	N/A	N/A	Inc-ZNHIT2-1
A_33_P3365932	9,93438	9,86864	1,046621645	ENST00000354296	100287171	NM_182905	WASH1
A_21_P0013694	1,61745	1,55171	1,046621645	ENST00000423138	158381	N/A	ATP8B5P
A_33_P3423919	1,66491	1,59918	1,04661439	ENST00000408949	346525	NM_001004135	OR2A12
A_24_P178093	9,83922	9,77349	1,04661439	ENST00000398242	10452	NM_006114	TOMM40
A_22_P00017253	1,69902	1,6333	1,046607135	ENST00000524167	N/A	N/A	N/A
A_22_P00017160	1,74534	1,67963	1,046599881	N/A	N/A	N/A	Inc-UBFD1-1
A_32_P112752	1,7576	1,69191	1,046585372	N/A	N/A	N/A	Inc-PRB1-1

A_33_P3233499	1,47964	1,41401	1,046541847	ENST00000366822	26238	NR_026773	LINC01558
A_22_P00014610	1,65459	1,58897	1,046534593	ENST00000546062	101927592	NR_104646	LOC101927592
A_21_P0007995	1,70603	1,64042	1,046527339	ENST00000443679	103191607	NR_120400	LOC103191607
A_33_P3410935	13,3188	13,2532	1,046520085	ENST00000431388	284184	NM_001086521	C17orf89
A_33_P3398809	12,2852	12,2196	1,046520085	ENST00000489572	92399	NM_138777	MRRF
A_23_P157416	10,6334	10,5678	1,046520085	ENST00000337673	84124	NM_032164	ZNF394
A_21_P0005349	1,46361	1,39802	1,046512831	ENST00000421380	N/A	N/A	N/A
A_23_P21057	1,66312	1,59753	1,046512831	ENST00000566517	1731	NM_052838	set-01
A_23_P109614	1,68794	1,62235	1,046512831	ENST00000428261	4336	NM_182935	MOBP
A_33_P3300733	1,67001	1,60442	1,046512831	ENST00000580773	N/A	N/A	N/A
A_33_P3236020	1,64467	1,57908	1,046512831	ENST00000274532	91937	NM_138379	TIMD4
A_24_P7584	6,22105	6,15548	1,046498323	ENST00000460141	80741	NM_025262	LY6G5C
A_33_P3416350	8,02281	7,95726	1,046483816	ENST00000407704	50618	NM_147152	ITSN2
A_21_P0005419	1,60973	1,5442	1,046469309	N/A	N/A	N/A	Inc-AC073348.1-3
A_33_P3374076	1,69039	1,62487	1,046462055	ENST00000335960	124925	NM_001098635	SEZ6
A_24_P788373	1,45562	1,39011	1,046454801	N/A	100132661	AF130044	LOC100132661
A_22_P00013780	1,47943	1,41392	1,046454801	ENST00000533984	N/A	N/A	N/A
A_22_P00024822	1,6271	1,56159	1,046454801	ENST00000475324	N/A	N/A	N/A
A_33_P3364836	1,6721	1,60659	1,046454801	N/A	N/A	N/A	N/A
A_24_P58881	16,9981	16,9326	1,046447548	ENST00000422792	N/A	N/A	N/A
A_33_P3649715	1,46231	1,39681	1,046447548	ENST00000283426	153478	NM_052909	PLEKHG4B
A_33_P3409422	1,73716	1,67168	1,046433041	N/A	N/A	DB047837	Inc-SULF1-1
A_33_P3369530	3,0885	3,02303	1,046425788	ENST00000611645	9223	NM_015520	MAGI1
A_22_P00024312	1,75072	1,68526	1,046418535	ENST00000556016	N/A	N/A	N/A
A_22_P00014385	1,69655	1,63114	1,046382269	N/A	N/A	N/A	Inc-SF3B5-1
A_23_P72527	1,63986	1,57446	1,046375016	ENST00000520087	8749	NM_014237	ADAM18
A_33_P3223874	17,0673	17,0019	1,046375016	ENST00000440913	N/A	CR936824	N/A
A_21_P0005745	1,60854	1,54314	1,046375016	ENST00000524287	N/A	N/A	N/A
A_21_P0010038	1,60122	1,53585	1,046353258	N/A	N/A	N/A	Inc-MAFB-1
A_22_P00000142	1,60203	1,53666	1,046353258	ENST00000399152	N/A	N/A	N/A
A_33_P3297545	1,78009	1,71472	1,046353258	ENST00000390376	N/A	N/A	N/A
A_22_P00006359	1,47551	1,41016	1,046338752	N/A	N/A	N/A	Inc-FARSB-2
A_21_P0005671	1,48264	1,41729	1,046338752	N/A	N/A	N/A	Inc-XPO7-1

A_21_P0010795	2,92688	2,86155	1,046324247	ENST00000435793	N/A	N/A	N/A
A_21_P0001397	4,27561	4,21028	1,046324247	N/A	N/A	N/A	Inc-TSEN15-1
A_21_P0009037	6,55554	6,49021	1,046324247	N/A	N/A	N/A	Inc-IRX3-4
A_22_P00012430	1,67702	1,61169	1,046324247	ENST00000542449	N/A	XR_253006	N/A
A_33_P3400319	1,85454	1,78922	1,046316995	ENST00000383686	151760	XR_112523	LOC151760
A_32_P183598	1,6024	1,53708	1,046316995	N/A	N/A	N/A	N/A
A_23_P214487	16,9385	16,8732	1,04630249	ENST00000377803	8364	NM_003542	HIST1H4C
A_23_P154801	10,8206	10,7553	1,04630249	ENST00000252015	26133	NM_015638	TRPC4AP
A_22_P00002836	1,45061	1,38533	1,046287985	N/A	N/A	CB047809	Inc-C2orf84-1
A_33_P3287507	1,6583	1,59302	1,046287985	N/A	N/A	AK310679	N/A
A_22_P00004783	1,75959	1,69431	1,046287985	ENST00000439198	N/A	BX093647	N/A
A_33_P3395389	4,82617	4,76091	1,04627348	ENST00000589461	147923	NM_144689	ZNF420
A_21_P0008592	1,46961	1,40437	1,046258976	N/A	N/A	N/A	Inc-C15orf2-6
A_21_P0000448	2,61686	2,55162	1,046258976	N/A	100033424	NR_003327	SNORD116-12
A_24_P116351	14,4457	14,3805	1,046229968	ENST00000329967	10572	NM_006427	SIVA1
A_33_P3383169	1,61023	1,54503	1,046229968	ENST00000381493	N/A	AF447883	N/A
A_21_P0001821	3,83468	3,76949	1,046222716	ENST00000478468	N/A	N/A	N/A
A_33_P3424122	1,60561	1,54042	1,046222716	ENST00000368806	126637	NM_001008536	TCHHL1
A_22_P00009045	1,70774	1,64255	1,046222716	ENST00000523722	N/A	N/A	N/A
A_22_P00001941	1,74999	1,68483	1,046200961	N/A	N/A	N/A	Inc-BARHL2-3
A_24_P495367	1,61513	1,54998	1,046193709	ENST00000399770	389207	NM_001080476	GRXCR1
A_33_P3274204	1,66877	1,60362	1,046193709	N/A	N/A	N/A	N/A
A_21_P0002323	1,63329	1,56814	1,046193709	N/A	N/A	N/A	Inc-UBE2E3-3
A_22_P00015849	3,21929	3,15415	1,046186457	N/A	N/A	N/A	Inc-TBK1-1
A_33_P3330663	5,70654	5,64141	1,046179206	ENST00000399730	N/A	N/A	N/A
A_21_P0003009	1,60799	1,54286	1,046179206	N/A	N/A	N/A	Inc-GAP43-1
A_22_P00017575	7,94224	7,87711	1,046179206	N/A	N/A	N/A	Inc-WDR63-1
A_33_P3278298	2,44898	2,38386	1,046171954	N/A	64434	AK131362	NOM1
A_33_P3331761	1,60578	1,54066	1,046171954	ENST00000555099	283092	NM_001001955	OR4C13
A_23_P337790	8,74794	8,68283	1,046164703	ENST00000438092	257218	NM_001042683	SHPRH
A_22_P00003223	1,61239	1,54728	1,046164703	N/A	N/A	BQ186114	Inc-CACNA2D3-3
A_33_P3245011	13,1601	13,095	1,046157451	ENST00000617083	26007	NM_015533	DAK
A_21_P0000634	1,63579	1,5707	1,0461502	N/A	100129046	NR_034091	LOC100129046

A_22_P00011170	1,45976	1,39467	1,0461502	N/A	N/A	N/A	Inc-ODF4-2
A_21_P0000601	1,64454	1,57946	1,046142949	ENST00000530276	5897	NM_001243786	RAG2
A_33_P3284734	1,70526	1,64019	1,046135697	N/A	146227	AK130753	BEAN1
A_24_P206328	3,25617	3,19114	1,046106693	ENST00000396182	5137	NM_005020	PDE1C
A_33_P3263423	6,20607	6,14106	1,046092191	ENST00000407096	7100	NM_003268	TLR5
A_33_P3276435	1,44972	1,38471	1,046092191	ENST00000498523	27145	NM_001300866	FILIP1
A_33_P3267463	1,6542	1,58919	1,046092191	ENST00000381984	5991	N/A	RFX3
A_33_P3414799	5,66782	5,60288	1,046041435	ENST00000511237	6452	NM_001145855	SH3BP2
A_21_P0012954	1,48191	1,41698	1,046034185	ENST00000512965	N/A	N/A	N/A
A_23_P120744	9,82187	9,75694	1,046034185	ENST00000397708	8888	NM_003906	MCM3AP
A_22_P00019091	1,47755	1,41263	1,046026934	N/A	N/A	N/A	Inc-FAM75D1-4
A_23_P201764	6,4958	6,43088	1,046026934	ENST00000434391	79947	NM_024887	DHDDS
A_33_P3329433	1,77026	1,70536	1,046012433	N/A	7273	NM_001267550	TTN
A_22_P00008387	1,60222	1,53734	1,045997933	ENST00000451946	N/A	N/A	N/A
A_22_P00013566	1,73771	1,67284	1,045990682	ENST00000557393	N/A	N/A	N/A
A_23_P212655	1,63776	1,5729	1,045983432	ENST00000468734	89857	NM_130446	KLHL6
A_21_P0009727	6,23267	6,16783	1,045968932	N/A	N/A	N/A	Inc-EMP3-1
A_22_P00007914	1,60029	1,53546	1,045961682	ENST00000504609	104355136	NR_126379	LINC01033
A_21_P0004945	1,66367	1,59884	1,045961682	N/A	N/A	N/A	Inc-TNFAIP3-6
A_33_P3225535	1,60163	1,5368	1,045961682	ENST00000314902	391107	NM_001004476	OR10K2
A_21_P0001961	1,4508	1,38599	1,045947182	ENST00000437261	N/A	N/A	N/A
A_24_P62800	1,70806	1,64328	1,045925432	ENST00000367156	55220	NM_018203	KLHDC8A
A_21_P0002592	1,65734	1,59256	1,045925432	ENST00000415396	101805491	NR_103805	LOC101805491
A_33_P3266025	1,64637	1,5816	1,045918182	ENST00000576956	N/A	N/A	N/A
A_22_P00013426	1,61733	1,55257	1,045910932	ENST00000564222	N/A	N/A	N/A
A_21_P0008240	1,65485	1,5901	1,045903683	N/A	N/A	N/A	Inc-UCHL3-7
A_22_P00000292	1,72754	1,66279	1,045903683	ENST00000431455	N/A	N/A	N/A
A_21_P0004706	1,61762	1,55289	1,045889184	N/A	N/A	N/A	Inc-FGFR1OP-7
A_33_P3349158	1,44913	1,3844	1,045889184	N/A	N/A	N/A	N/A
A_22_P00003221	1,46164	1,39692	1,045881934	ENST00000496829	N/A	N/A	N/A
A_33_P3257607	7,47555	7,41083	1,045881934	ENST00000391959	4660	NM_001197131	PPP1R12B
A_33_P3361112	1,59837	1,53366	1,045874685	ENST00000272286	64241	NM_022437	ABCG8
A_33_P3352283	1,48661	1,4219	1,045874685	ENST00000376005	727684	NM_001278501	C1orf195

A_23_P77852	1,61105	1,54634	1,045874685	ENST00000348931	124626	NM_199321	ZPBP2
A_33_P3390367	1,63969	1,57499	1,045867435	N/A	91149	NR_026995	RAPGEF4-AS1
A_21_P0002260	1,74664	1,68194	1,045867435	N/A	N/A	N/A	Inc-IL1R2-1
A_21_P0011958	2,74097	2,67627	1,045867435	N/A	N/A	N/A	XLOC_I2_008221
A_23_P2474	10,7766	10,7119	1,045867435	ENST00000229251	50813	NM_016319	COPS7A
A_32_P156851	1,76279	1,6981	1,045860186	ENST00000371374	10231	NM_005822	RCAN2
A_23_P308058	4,33663	4,27196	1,045845687	ENST00000333813	286753	NM_172367	TUSC5
A_23_P94403	1,71516	1,6505	1,045838438	ENST00000388918	7306	NM_000550	TYRP1
A_21_P0010078	1,65591	1,59127	1,04582394	ENST00000587737	N/A	N/A	N/A
A_21_P0014568	1,59938	1,53474	1,04582394	ENST00000504409	100507616	XR_110328	LOC100507616
A_21_P0002826	1,70753	1,64291	1,045809442	ENST00000457815	N/A	N/A	N/A
A_22_P00012343	1,7115	1,64688	1,045809442	ENST00000552154	N/A	N/A	N/A
A_33_P3808371	10,8799	10,8153	1,045794944	N/A	283911	AL833480	LOC283911
A_23_P303181	10,4709	10,4063	1,045794944	ENST00000245222	56848	NM_020126	SPHK2
A_21_P0010712	1,7776	1,71302	1,045780446	ENST00000451023	N/A	N/A	N/A
A_22_P00003940	1,68294	1,61837	1,045773197	N/A	N/A	N/A	Inc-CHAC1-2
A_33_P3233546	1,72337	1,6588	1,045773197	N/A	N/A	N/A	N/A
A_22_P00016359	1,68672	1,62216	1,045765948	N/A	N/A	N/A	Inc-TMEM178-2
A_33_P3394404	1,74235	1,6778	1,0457587	ENST00000484104	10077	NM_139022	TSPAN32
A_33_P6816152	8,77064	8,70609	1,0457587	N/A	N/A	AK127569	Inc-GTF2F2-2
A_33_P3408305	9,59501	9,53047	1,045751451	ENST00000394113	204219	NM_178842	CERS3
A_22_P00022775	1,6578	1,59326	1,045751451	ENST00000418620	N/A	N/A	N/A
A_33_P3423250	1,44911	1,38458	1,045744203	ENST00000534062	388015	NM_001134888	RTL1
A_22_P00009499	1,65788	1,59336	1,045736954	ENST00000523063	N/A	N/A	N/A
A_24_P343233	7,15559	7,09108	1,045729706	ENST00000421942	3123	NM_002124	HLA-DRB1
A_33_P3272209	9,90565	9,84114	1,045729706	ENST00000392328	54842	NM_017694	MFSD6
A_22_P00022636	1,95421	1,88971	1,045722457	N/A	102724020	NR_120484	LOC102724020
A_21_P0003373	1,62977	1,56527	1,045722457	ENST00000503625	N/A	N/A	N/A
A_22_P00013244	1,74995	1,68545	1,045722457	ENST00000454489	N/A	N/A	N/A
A_21_P0008864	1,78665	1,72218	1,045700712	N/A	N/A	N/A	Inc-RP11-210M15.2.1-1
A_22_P00025620	1,68913	1,62466	1,045700712	ENST00000416680	N/A	N/A	N/A
A_33_P3410454	3,40408	3,33962	1,045693464	ENST00000394939	389524	N/A	GTF2IRD2B
A_22_P00006681	1,65393	1,58947	1,045693464	ENST00000424953	N/A	N/A	N/A

A_32_P56397	1,65792	1,59346	1,045693464	ENST00000413288	731789	NR_026794	LINC00202-2
A_21_P0007255	1,63548	1,57103	1,045686216	N/A	N/A	N/A	Inc-RP11-201M22.1.1-4
A_22_P00015391	6,06993	6,00548	1,045686216	N/A	440944	NR_027007	THUMPDP3-AS1
A_21_P0010281	1,78992	1,72548	1,045678968	ENST00000440714	N/A	N/A	N/A
A_22_P00001519	1,61421	1,54978	1,04567172	N/A	N/A	N/A	Inc-ARHGAP25-1
A_23_P66525	1,47719	1,41277	1,045664472	ENST00000284110	9955	AF105376	HS3ST3A1
A_22_P00003031	1,62283	1,55841	1,045664472	N/A	N/A	AK129890	Inc-C7orf49-1
A_24_P30194	9,4445	9,38008	1,045664472	ENST00000371795	24138	NM_012420	IFIT5
A_33_P3280213	12,6859	12,6215	1,045649976	ENST00000372459	5476	NM_001127695	CTSA
A_22_P00015399	3,22965	3,16525	1,045649976	N/A	N/A	N/A	Inc-SRP9-1
A_23_P107102	1,75353	1,68913	1,045649976	ENST00000268919	84643	NM_032559	KIF2B
A_22_P00012815	1,69458	1,63018	1,045649976	ENST00000419860	N/A	N/A	N/A
A_23_P372860	5,17067	5,10628	1,045642728	ENST00000377791	8334	NM_003512	HIST1H2AC
A_23_P74828	2,16203	2,09764	1,045642728	ENST00000360786	81025	NM_030772	GJA9
A_22_P00003014	1,46035	1,39596	1,045642728	N/A	N/A	AL589331	Inc-C6orf99-2
A_21_P0012659	2,43266	2,36827	1,045642728	ENST00000513843	N/A	N/A	N/A
A_21_P0001624	1,6077	1,54334	1,045620985	N/A	N/A	N/A	Inc-SLC30A10-5
A_33_P3312897	1,59519	1,53087	1,045591994	ENST00000433072	N/A	KP092458	N/A
A_21_P0001753	1,65474	1,59042	1,045591994	ENST00000608023	N/A	XR_425100	N/A
A_32_P411945	1,66361	1,59929	1,045591994	ENST00000321801	66037	NM_033030	BOLL
A_33_P3228988	17,1079	17,0436	1,045577499	ENST00000435033	N/A	BC057831	N/A
A_33_P3371450	1,74152	1,67723	1,045570252	N/A	N/A	N/A	N/A
A_23_P250874	1,9354	1,87113	1,045555757	ENST00000431982	8468	NM_003602	FKBP6
A_22_P00002076	1,59809	1,53384	1,045541263	ENST00000455299	101929312	NR_110610	LOC101929312
A_23_P60962	6,03253	5,9683	1,045526769	ENST00000533830	225689	NM_139021	MAPK15
A_24_P833256	1,61135	1,54713	1,045519522	N/A	N/A	N/A	N/A
A_32_P106376	1,65446	1,59024	1,045519522	ENST00000326274	245806	NM_182645	VGLL2
A_33_P3335930	1,59672	1,53251	1,045512275	N/A	100130573	AK127126	LOC100130573
A_24_P305570	12,3753	12,3111	1,045505028	ENST00000255006	54453	NM_018993	RIN2
A_22_P00009879	2,73906	2,67486	1,045505028	N/A	N/A	N/A	Inc-MFN1-1
A_22_P00018665	1,75551	1,69131	1,045505028	N/A	7507	XR_428536	XPA
A_33_P3288357	1,65729	1,5931	1,045497781	ENST00000373293	286207	BC133027	C9orf117
A_33_P3265444	1,48899	1,4248	1,045497781	N/A	729633	NR_024072	MRS2P2



A_33_P3272748	1,44798	1,38379	1,045497781	ENST00000328444	338879	NM_001012975	RNASE10
A_22_P00002431	1,64638	1,5822	1,045490534	ENST00000537690	729665	NM_001164399	CCDC175
A_21_P0002300	1,65631	1,59213	1,045490534	N/A	N/A	N/A	Inc-FMNL2-1
A_21_P0005898	3,4958	3,43163	1,045483287	N/A	N/A	N/A	Inc-FBXO32-1
A_22_P00006824	1,73866	1,67449	1,045483287	N/A	N/A	N/A	Inc-GABRB1-2
A_33_P3419875	1,61204	1,54787	1,045483287	N/A	N/A	N/A	N/A
A_21_P0014236	6,48401	6,41986	1,045468794	ENST00000482056	84909	N/A	C9orf3
A_33_P3336760	1,66599	1,60185	1,045461548	ENST00000265723	5244	NM_018849	ABCB4
A_22_P00023547	1,70396	1,63983	1,045454301	N/A	N/A	N/A	Inc-CRYBA4-7
A_33_P3474250	8,72572	8,6616	1,045447054	ENST00000299413	54765	AK091052	TRIM44
A_23_P11744	14,2462	14,1821	1,045432562	ENST00000557932	100287171	NM_182905	WASH1
A_21_P0014418	1,61361	1,54952	1,045425315	N/A	N/A	N/A	N/A
A_22_P00011880	1,49103	1,42696	1,045410823	N/A	100628315	NR_103486	DNM3OS
A_33_P3677814	1,70382	1,6398	1,045374592	N/A	266811	AF527974	NPSA
A_21_P0000419	1,60567	1,54165	1,045374592	N/A	767600	NR_003215	SNORD114-22
A_22_P00000513	1,47692	1,41291	1,045367346	N/A	N/A	N/A	Inc-AC107021.1-4
A_33_P3418245	1,66016	1,59615	1,045367346	ENST00000526403	N/A	N/A	N/A
A_33_P3257312	12,5081	12,4441	1,0453601	ENST00000421419	23130	NM_015104	ATG2A
A_24_P19828	8,59157	8,52757	1,0453601	ENST00000495703	114034	NM_025077	TOE1
A_21_P0000643	1,6781	1,6141	1,0453601	N/A	100128098	NR_034129	ST8SIA6-AS1
A_33_P3217933	1,63804	1,57405	1,045352854	N/A	N/A	DB461001	N/A
A_22_P00004832	1,7151	1,65114	1,045331117	N/A	N/A	N/A	Inc-CYB561-6
A_33_P3262541	2,98628	2,92234	1,045316626	ENST00000393061	9719	NM_014694	ADAMTSL2
A_21_P0006592	1,6391	1,5752	1,045287644	N/A	N/A	N/A	Inc-TSPY4-3
A_23_P5853	1,60845	1,54455	1,045287644	ENST00000476500	6295	NM_000541	SAG
A_22_P00001681	1,49123	1,42734	1,045280399	N/A	N/A	N/A	Inc-ASTE1-1
A_33_P3409225	1,46635	1,40247	1,045273153	ENST00000390362	N/A	N/A	N/A
A_33_P3282390	3,7501	3,68623	1,045265908	ENST00000374177	2914	NM_000841	GRM4
A_23_P161297	4,57258	4,50871	1,045265908	ENST00000490844	55753	NM_018245	OGDHL
A_23_P259251	1,64422	1,58036	1,045258663	ENST00000331113	3751	NM_012281	KCND2
A_21_P0011100	1,62557	1,56171	1,045258663	N/A	N/A	N/A	XLOC_I2_003414
A_22_P00012811	1,59936	1,53551	1,045251418	ENST00000298542	90167	NM_194277	FRMD7
A_21_P0013744	1,46343	1,39959	1,045244172	ENST00000419853	101929116	N/A	LOC101929116

A_22_P00001988	1,72029	1,65646	1,045236927	ENST00000600723	200298	NR_103718	LINC00528
A_21_P0007883	1,74244	1,67861	1,045236927	N/A	N/A	N/A	lnc-BEST3-1
A_22_P00013288	2,58598	2,52215	1,045236927	N/A	N/A	N/A	lnc-RP11-10A14.4.1-1
A_22_P00003541	1,7399	1,67607	1,045236927	N/A	N/A	DA504341	lnc-CCNK-1
A_32_P189781	6,43804	6,37421	1,045236927	ENST00000560267	645687	NR_026796	LINC00520
A_33_P3241696	1,71685	1,65303	1,045229682	ENST00000509381	51151	NM_001297417	SLC45A2
A_24_P166407	12,5244	12,4606	1,045215193	ENST00000377745	8366	NM_003544	HIST1H4B
A_21_P0002134	1,45609	1,39229	1,045215193	ENST00000456031	N/A	N/A	N/A
A_21_P0014054	1,64764	1,58384	1,045215193	N/A	N/A	XM_928212	N/A
A_21_P0006859	1,60506	1,54126	1,045215193	N/A	102724533	XR_424106	LOC102724533
A_22_P00013636	1,64773	1,58393	1,045215193	ENST00000509628	N/A	N/A	N/A
A_22_P00002166	13,929	13,8652	1,045215193	ENST00000415596	100128071	NM_001167676	FAM229A
A_24_P928604	16,1501	16,0863	1,045215193	ENST00000401937	N/A	N/A	N/A
A_22_P00007754	1,76361	1,69983	1,045200703	N/A	N/A	N/A	lnc-HMGB4-1
A_21_P0013508	1,44637	1,38262	1,045178969	N/A	N/A	N/A	XLOC_l2_014424
A_21_P0003120	1,65517	1,59143	1,045171724	N/A	N/A	N/A	lnc-RP11-884K10.5.1-1
A_21_P0003958	1,65642	1,5927	1,045157235	ENST00000514474	N/A	N/A	N/A
A_22_P00022686	1,65336	1,58965	1,045149991	N/A	N/A	N/A	lnc-FANCF-2
A_22_P00004550	1,59308	1,52938	1,045142746	N/A	N/A	N/A	lnc-CRIPT-1
A_23_P135104	14,2274	14,1637	1,045142746	ENST00000241600	51116	NM_016034	MRPS2
A_22_P00024126	1,46261	1,39892	1,045135502	N/A	N/A	N/A	lnc-DFNA5-3
A_33_P3355588	1,46603	1,40235	1,045128258	N/A	N/A	N/A	lnc-ADI1-1
A_21_P0014485	1,46434	1,40068	1,045113769	N/A	N/A	N/A	N/A
A_23_P371835	1,46819	1,40454	1,045106525	ENST00000252997	140628	NM_080473	GATA5
A_21_P0000692	1,61296	1,54931	1,045106525	N/A	N/A	AK092251	lnc-PTPN14-3
A_33_P3359518	6,80654	6,74289	1,045106525	ENST00000401044	114803	NM_001085487	MYSM1
A_21_P0010456	1,70907	1,64543	1,045099281	N/A	N/A	N/A	lnc-CTA-299D3.8.1-1
A_21_P0005711	1,70391	1,64028	1,045092037	N/A	N/A	N/A	lnc-RP11-32K4.2.1-2
A_21_P0008586	1,73544	1,67181	1,045092037	ENST00000565893	N/A	XR_424585	N/A
A_21_P0014616	1,65733	1,5937	1,045092037	N/A	N/A	AK093331	N/A
A_21_P0007753	1,46982	1,4062	1,045084793	N/A	N/A	N/A	lnc-NUAK1-4
A_21_P0012527	1,59821	1,5346	1,045077549	ENST00000411596	N/A	N/A	N/A
A_19_P00800114	10,5303	10,4667	1,045070305	ENST00000470543	25994	NM_001099668	HIGD1A

A_23_P53081	11,3123	11,2487	1,045070305	ENST00000389989	114879	NM_020896	OSBPL5
A_21_P0003568	1,46471	1,40114	1,045048574	ENST00000512047	55138	NM_018088	FAM90A1
A_21_P0001719	1,46527	1,4017	1,045048574	N/A	100506022	NR_104622	LOC100506022
A_33_P3209756	1,74444	1,68088	1,04504133	N/A	N/A	N/A	N/A
A_22_P00003291	6,04913	5,98557	1,04504133	ENST00000398701	8509	NM_003635	NDST2
A_21_P0004532	1,65104	1,58748	1,04504133	N/A	102546299	NR_105065	LOC102546299
A_21_P0001308	2,4712	2,40765	1,045034086	N/A	N/A	N/A	Inc-FGGY-6
A_22_P00017409	1,4877	1,42415	1,045034086	ENST00000435111	N/A	N/A	N/A
A_33_P3403957	1,65629	1,59274	1,045034086	N/A	N/A	N/A	N/A
A_21_P0004466	1,64808	1,58455	1,045019599	N/A	N/A	N/A	Inc-LCP2-2
A_21_P0009736	1,65327	1,58974	1,045019599	N/A	N/A	N/A	Inc-SAFB2-2
A_33_P3250695	1,59062	1,52709	1,045019599	ENST00000378123	56140	NM_031856	PCDHA8
A_21_P0002212	6,08199	6,01847	1,045012356	N/A	100506235	XR_245000	LOC100506235
A_33_P3397318	1,5915	1,52798	1,045012356	ENST00000412638	N/A	N/A	N/A
A_22_P00003155	1,71835	1,65484	1,045005112	ENST00000561981	23732	N/A	FRRS1L
A_33_P3238461	17,5209	17,4574	1,044997869	ENST00000398740	N/A	N/A	N/A
A_33_P3348494	12,8905	12,827	1,044997869	ENST00000462653	55795	NM_001258213	PCID2
A_23_P97584	12,9592	12,8957	1,044997869	ENST00000359208	30836	NM_014597	DNTTIP2
A_33_P3216059	1,44537	1,3819	1,044976139	ENST00000375544	54829	NM_001193335	ASPN
A_33_P3292241	5,68821	5,62474	1,044976139	N/A	N/A	N/A	N/A
A_21_P0010089	1,46079	1,39737	1,044939923	N/A	N/A	N/A	Inc-NCOA3-6
A_23_P5601	11,9798	11,9164	1,044925438	ENST00000233668	1796	NM_001381	DOK1
A_22_P00021652	5,62193	5,55854	1,044918195	N/A	101927963	XR_426361	LOC101927963
A_21_P0005926	1,59093	1,52754	1,044918195	N/A	N/A	N/A	Inc-C8orf48-1
A_22_P00020528	1,46549	1,40213	1,044896466	N/A	N/A	N/A	Inc-C13orf30-1
A_21_P0013150	1,46894	1,40559	1,044889224	ENST00000427903	100422737	N/A	LOC100422737
A_33_P3378684	1,6393	1,57596	1,044881981	N/A	N/A	N/A	N/A
A_22_P00017519	1,46246	1,39913	1,044874739	N/A	N/A	N/A	Inc-WDPCP-2
A_21_P0002431	1,46639	1,40308	1,044860254	N/A	N/A	N/A	Inc-THADA-4
A_32_P204376	4,4662	4,40289	1,044860254	ENST00000562196	441430	NM_001012421	ANKRD20A2
A_33_P3286362	1,64488	1,58158	1,044853011	N/A	100131023	AK127441	LOC100131023
A_22_P00013293	1,47306	1,40976	1,044853011	ENST00000522836	157273	N/A	LOC157273
A_21_P0001043	1,48698	1,42368	1,044853011	ENST00000430776	N/A	N/A	N/A

A_22_P00012311	1,46005	1,39675	1,044853011	N/A	101927249	NR_046681	PDZRN3-AS1
A_23_P122304	12,9569	12,8936	1,044853011	ENST00000523334	3066	NM_001527	HDAC2
A_21_P0007695	4,2861	4,22282	1,044838527	N/A	N/A	N/A	Inc-ERGIC2-4
A_33_P3379896	1,45895	1,39567	1,044838527	ENST00000377898	390992	NM_001024598	HES3
A_21_P0012849	1,62003	1,55675	1,044838527	N/A	N/A	N/A	XLOC_I2_011744
A_33_P3400278	1,6981	1,63485	1,0448168	ENST00000439454	104355293	N/A	LINC00376
A_21_P0004474	1,63484	1,57159	1,0448168	N/A	N/A	N/A	Inc-PROP1-2
A_21_P0008813	1,60584	1,54259	1,0448168	ENST00000566797	N/A	XR_433058	N/A
A_21_P0011114	1,64727	1,58402	1,0448168	ENST00000550678	101927653	NR_120452	LOC101927653
A_23_P354855	1,64748	1,58424	1,044809558	ENST00000379984	6247	NM_000330	RS1
A_21_P0002258	1,60275	1,53951	1,044809558	N/A	N/A	N/A	Inc-EIF5B-1
A_21_P0002938	1,74863	1,6854	1,044802316	N/A	N/A	N/A	Inc-UBE2E2-1
A_22_P00000878	1,64259	1,57936	1,044802316	ENST00000470219	N/A	N/A	N/A
A_22_P00019965	1,62147	1,55824	1,044802316	N/A	N/A	DB333871	Inc-FAM196B-1
A_21_P0005868	1,4601	1,39688	1,044795074	N/A	N/A	N/A	Inc-TMEM64-3
A_33_P3219865	1,59256	1,52934	1,044795074	N/A	400620	BC014643	LOC400620
A_22_P00000397	1,46283	1,39961	1,044795074	ENST00000564405	N/A	N/A	N/A
A_21_P0003901	1,64387	1,58067	1,04478059	ENST00000505454	N/A	XR_425780	N/A
A_23_P78353	1,46487	1,40167	1,04478059	ENST00000269202	4225	NM_005925	MEP1B
A_21_P0010107	1,59993	1,53676	1,044758865	N/A	N/A	N/A	Inc-GPCPD1-1
A_22_P00007467	1,58899	1,52582	1,044758865	ENST00000437598	N/A	N/A	N/A
A_21_P0000768	1,59064	1,52748	1,044751623	ENST00000507726	100505545	NR_038331	LINC01095
A_21_P0014938	1,4715	1,40835	1,044744381	N/A	N/A	N/A	N/A
A_21_P0005878	8,90942	8,84627	1,044744381	ENST00000524369	N/A	N/A	N/A
A_22_P00009487	1,68774	1,6246	1,04473714	N/A	N/A	N/A	Inc-MAGEB10-2
A_22_P00006073	1,71227	1,64913	1,04473714	ENST00000416685	N/A	N/A	N/A
A_32_P49199	1,64168	1,57854	1,04473714	ENST00000325455	5241	NM_000926	PGR
A_23_P393758	9,51615	9,45301	1,04473714	ENST00000543795	93343	NM_138401	MVB12A
A_23_P148879	1,4677	1,40457	1,044729898	ENST00000361216	477	NM_000702	ATP1A2
A_22_P00018268	5,33663	5,2735	1,044729898	N/A	101928824	XR_244407	LOC101928824
A_24_P334248	1,64038	1,57725	1,044729898	ENST00000469040	23007	NM_014996	PLCH1
A_21_P0014648	1,4452	1,38208	1,044722657	N/A	100506113	XR_424266	LOC100506113
A_21_P0007249	7,01815	6,95504	1,044715415	ENST00000530270	100506233	N/A	RAB30-AS1

A_23_P7101	12,8993	12,8362	1,044708174	ENST00000489418	7884	NM_006527	SLBP
A_21_P0003214	10,4339	10,3708	1,044708174	N/A	N/A	N/A	Inc-CHL1-1
A_21_P0006458	1,47082	1,40778	1,044664727	N/A	100874122	N/A	FRMPD3-AS1
A_21_P0014240	3,29188	3,22884	1,044664727	N/A	N/A	N/A	N/A
A_23_P306215	6,08732	6,02429	1,044657486	ENST00000331243	151354	NM_145175	FAM84A
A_23_P255038	1,65028	1,58726	1,044650245	ENST00000344799	26280	NM_017416	IL1RAPL2
A_33_P3293469	1,46241	1,39939	1,044650245	N/A	N/A	N/A	Inc-AC127496.3-7
A_23_P351342	8,87533	8,81233	1,044635763	ENST00000477849	23207	NM_015164	PLEKHM2
A_21_P0013921	11,5136	11,4506	1,044635763	ENST00000437956	N/A	XM_001722136	N/A
A_22_P00019442	1,45823	1,39523	1,044635763	ENST00000508977	N/A	N/A	N/A
A_21_P0000650	11,8413	11,7783	1,044635763	ENST00000600513	56242	NM_021047	ZNF253
A_22_P00011687	6,17386	6,11087	1,044628522	ENST00000508241	N/A	N/A	N/A
A_33_P3401459	1,5947	1,53171	1,044628522	ENST00000597389	57731	NM_020971	SPTBN4
A_33_P3341796	1,49192	1,42893	1,044628522	ENST00000423870	80343	NR_073206	SEL1L2
A_33_P3258330	5,82561	5,76263	1,044621281	ENST00000532435	81544	NM_030792	GDPD5
A_33_P3663974	6,56263	6,49965	1,044621281	ENST00000416420	7068	NM_001252634	THRB
A_21_P0008688	1,69099	1,62801	1,044621281	N/A	N/A	N/A	Inc-ARRDC4-5
A_21_P0004745	1,46477	1,40179	1,044621281	ENST00000606909	N/A	N/A	N/A
A_22_P00009792	1,46203	1,39906	1,044614041	N/A	N/A	N/A	Inc-MEGF11-1
A_32_P66756	1,74352	1,68055	1,044614041	ENST00000513106	152586	NM_001277353	MGAT4D
A_21_P0012595	1,65444	1,59147	1,044614041	N/A	N/A	N/A	XLOC_I2_010724
A_22_P00013589	1,64622	1,58328	1,044592319	ENST00000554753	N/A	N/A	N/A
A_21_P0005000	1,74576	1,68284	1,044577838	N/A	N/A	N/A	Inc-CCDC90A-1
A_22_P00017802	1,64416	1,58125	1,044570597	N/A	102723831	NR_125868	LOC102723831
A_22_P00017374	1,67696	1,61405	1,044570597	N/A	101928836	XR_244796	LOC101928836
A_23_P212383	10,7927	10,7298	1,044563357	ENST00000455997	22908	NM_014016	SACM1L
A_23_P258108	16,3216	16,2587	1,044563357	ENST00000491923	N/A	N/A	N/A
A_21_P0013207	1,4615	1,3986	1,044563357	N/A	N/A	N/A	XLOC_I2_013434
A_21_P0010043	1,65242	1,58953	1,044556116	N/A	N/A	N/A	Inc-WFDC8-1
A_24_P268662	1,48949	1,42661	1,044548876	ENST00000273359	55347	NM_018394	ABHD10
A_33_P3332046	1,60687	1,54399	1,044548876	N/A	N/A	N/A	N/A
A_21_P0010966	1,64381	1,58096	1,044527156	N/A	N/A	N/A	XLOC_I2_002254
A_23_P393401	9,79406	9,73121	1,044527156	N/A	283970	NR_003610	PDXDC2P

A_22_P00022506	1,64129	1,57846	1,044512675	ENST00000512563	N/A	N/A	N/A
A_22_P00001765	1,78232	1,71949	1,044512675	N/A	100873941	NR_046634	OPA1-AS1
A_22_P00005147	1,70882	1,646	1,044505435	ENST00000564508	N/A	N/A	N/A
A_22_P00014241	1,46668	1,40387	1,044498196	ENST00000557709	N/A	N/A	N/A
A_23_P131526	11,7086	11,6458	1,044490956	ENST00000295079	79568	NM_024520	C2orf47
A_22_P00012798	12,5337	12,4709	1,044490956	ENST00000546264	N/A	N/A	N/A
A_22_P00008282	1,65441	1,59162	1,044483716	N/A	N/A	N/A	Inc-ISCU-1
A_19_P00315625	1,77748	1,71469	1,044483716	N/A	N/A	N/A	Inc-MARCKS-5
A_33_P3291524	1,58833	1,52554	1,044483716	ENST00000332323	147658	NM_001143939	ZNF534
A_23_P52430	1,66317	1,60039	1,044476476	ENST00000343737	7479	NM_003393	WNT8B
A_21_P0012202	1,49396	1,43118	1,044476476	N/A	N/A	N/A	XLOC_I2_009216
A_21_P0004727	1,59615	1,5334	1,044454757	ENST00000420389	N/A	N/A	N/A
A_22_P00021672	1,7012	1,63848	1,044433038	N/A	101927023	NR_110559	LOC101927023
A_21_P0008391	1,49019	1,42747	1,044433038	N/A	N/A	N/A	Inc-DLK1-9
A_22_P00007272	4,1644	4,10169	1,044425799	N/A	102724009	NR_120665	LOC102724009
A_23_P321703	11,617	11,5543	1,04441856	ENST00000485386	597	NM_004049	BCL2A1
A_21_P0010660	13,2234	13,1607	1,04441856	N/A	N/A	N/A	XLOC_I2_001192
A_21_P0009648	1,65043	1,58776	1,044396842	N/A	100996665	XR_158928	LINC01533
A_23_P113034	7,23169	7,16902	1,044396842	ENST00000611306	83938	NM_032024	C10orf11
A_22_P00007263	5,23939	5,17673	1,044389603	ENST00000498604	N/A	N/A	N/A
A_32_P98739	1,47249	1,40984	1,044382363	ENST00000459922	150084	NM_001080444	IGSF5
A_21_P0008734	1,64019	1,57754	1,044382363	N/A	N/A	N/A	Inc-MYEF2-5
A_23_P23303	8,90613	8,8435	1,044367885	ENST00000518741	9156	NM_003686	EXO1
A_33_P3615334	1,698	1,63538	1,044360646	ENST00000608183	400799	N/A	LINC01344
A_21_P0008565	1,73165	1,66904	1,044353407	ENST00000506090	101929743	NR_120369	LINC01586
A_21_P0007739	4,74642	4,68381	1,044353407	ENST00000615716	N/A	N/A	N/A
A_22_P00021191	1,70918	1,64658	1,044346168	N/A	N/A	N/A	Inc-GAS2-1
A_22_P00000635	1,49198	1,42938	1,044346168	ENST00000321214	283860	NR_024347	LINC00304
A_21_P0002871	1,63895	1,57635	1,044346168	ENST00000601385	151658	N/A	LINC00635
A_22_P00024770	1,67924	1,61666	1,044331691	N/A	N/A	N/A	Inc-ABT1-2
A_23_P93772	4,33388	4,27133	1,044309975	ENST00000520854	3202	NM_019102	HOXA5
A_22_P00025869	1,47808	1,41553	1,044309975	N/A	N/A	N/A	Inc-SLC26A7-1
A_33_P3407494	1,44396	1,38141	1,044309975	ENST00000378788	259308	NM_001141917	FAM205A

A_21_P0009671	1,46623	1,40369	1,044302736	N/A	N/A	N/A	Inc-ANKRD27-3
A_22_P00007295	1,46232	1,3998	1,044288259	N/A	104502416	NR_126463	FOXP1-AS1
A_33_P3333038	15,1435	15,081	1,044273782	ENST00000619580	5763	NM_002824	PTMS
A_24_P60441	1,58592	1,52342	1,044273782	ENST00000264956	2121	NM_153717	EVC
A_21_P0002286	1,81065	1,74816	1,044266544	N/A	N/A	N/A	Inc-TSN-8
A_33_P3232742	4,08207	4,01958	1,044266544	N/A	N/A	N/A	N/A
A_32_P33576	1,48748	1,42501	1,044252068	ENST00000265572	4986	NM_000912	OPRK1
A_22_P00007869	1,62891	1,56646	1,044237591	ENST00000455092	N/A	N/A	N/A
A_21_P0000730	1,66655	1,60411	1,044230353	N/A	100507651	NR_038235	LOC100507651
A_22_P00012936	1,70131	1,63889	1,044215877	ENST00000559946	N/A	BQ431914	N/A
A_21_P0014580	1,65145	1,58903	1,044215877	N/A	100507195	XR_171965	LOC100507195
A_23_P407096	1,47167	1,40925	1,044215877	ENST00000318442	167465	NM_152625	ZNF366
A_22_P00001408	1,47106	1,40865	1,044208639	N/A	N/A	N/A	Inc-APC-4
A_22_P00021461	1,64722	1,58481	1,044208639	N/A	101928251	XR_243753	LOC101928251
A_22_P00002239	1,63952	1,57716	1,04417245	N/A	101929310	NR_120654	KCNMA1-AS2
A_21_P0001372	1,61501	1,55266	1,044165213	N/A	N/A	N/A	Inc-GJA8-1
A_23_P17130	1,46701	1,40467	1,044157975	ENST00000450357	84281	NM_001042519	C2orf88
A_33_P3212109	1,61524	1,55293	1,044136263	ENST00000378450	51473	NM_016356	DCDC2
A_21_P0006815	1,70228	1,63997	1,044136263	N/A	N/A	N/A	Inc-PFKP-16
A_22_P00021319	6,51078	6,44847	1,044136263	N/A	101929533	XR_243697	LOC101929533
A_33_P3249439	12,7715	12,7092	1,044129025	ENST00000420993	29781	NM_001185011	NCAPH2
A_33_P3417865	14,223	14,1607	1,044129025	ENST00000336440	677	NM_004926	ZFP36L1
A_23_P75008	1,62648	1,56418	1,044129025	ENST00000376261	2572	NM_000818	GAD2
A_21_P0004419	1,60785	1,54555	1,044129025	N/A	N/A	N/A	Inc-ARRDC3-3
A_33_P3410269	1,7378	1,6755	1,044129025	N/A	N/A	N/A	N/A
A_21_P0001895	1,80358	1,74129	1,044121788	ENST00000422203	N/A	N/A	N/A
A_23_P46356	3,12539	3,0631	1,044121788	ENST00000368910	79626	NM_024575	TNFAIP8L2
A_23_P412186	6,89354	6,83125	1,044121788	ENST00000427606	286101	NR_023392	ZNF252P
A_33_P3289835	9,23748	9,1752	1,044114551	ENST00000531819	114883	AB208851	OSBPL9
A_22_P00008671	1,46356	1,40129	1,044107314	N/A	N/A	BU570742	Inc-KIAA0528-3
A_21_P0002155	1,64828	1,58602	1,044100076	N/A	N/A	N/A	Inc-ACP1-9
A_21_P0007968	1,70464	1,64239	1,044092839	ENST00000412119	101928616	XR_245843	LINC00354
A_33_P3351617	1,74608	1,68383	1,044092839	ENST00000376302	53904	BC036079	MYO3A

A_22_P00006621	6,2232	6,16096	1,044085602	N/A	101928784	NR_120341	RORA-AS1
A_22_P00018677	1,63647	1,57425	1,044071128	N/A	N/A	N/A	Inc-C15orf52-2
A_24_P932339	1,58424	1,52203	1,044063891	ENST00000412674	728716	NR_040065	LINC01346
A_32_P85330	4,50085	4,43864	1,044063891	N/A	283687	NR_028330	ST20-AS1
A_33_P3388147	1,47304	1,41084	1,044056654	ENST00000348639	1136	NM_001166694	CHRNA3
A_21_P0008285	1,46571	1,40352	1,044049418	N/A	N/A	N/A	Inc-RPGRIP1-2
A_32_P176911	8,06594	8,00376	1,044042181	ENST00000556973	145200	NR_026774	LINC00239
A_22_P00010939	1,66008	1,59791	1,044034944	ENST00000560586	N/A	N/A	N/A
A_24_P935829	1,44447	1,38231	1,044027707	ENST00000518417	100128993	NR_038919	LOC100128993
A_21_P0002757	1,45613	1,39397	1,044027707	ENST00000482617	728290	XR_245079	LOC728290
A_21_P0011650	1,4852	1,42304	1,044027707	N/A	N/A	N/A	XLOC_I2_006339
A_33_P3338808	1,70417	1,64202	1,044020471	N/A	N/A	N/A	N/A
A_24_P308851	5,15244	5,09031	1,044005998	ENST00000617050	56108	NM_032087	PCDHGA7
A_21_P0006737	1,58616	1,52403	1,044005998	N/A	N/A	N/A	Inc-C10orf31-6
A_22_P00024322	1,76759	1,70546	1,044005998	N/A	N/A	N/A	Inc-GBP6-1
A_21_P0009934	2,86333	2,80122	1,043991525	N/A	N/A	N/A	Inc-C20orf187-2
A_33_P3210288	18,3911	18,329	1,043984288	ENST00000318336	2528	NM_000150	FUT6
A_21_P0001927	1,4536	1,3915	1,043984288	ENST00000427615	101929282	NR_110244	LOC101929282
A_33_P3651994	9,10653	9,04443	1,043984288	N/A	1161	AK022657	ERCC8
A_22_P00011626	1,60955	1,54747	1,043969816	ENST00000451250	N/A	N/A	N/A
A_22_P00024553	3,53849	3,47641	1,043969816	N/A	N/A	AK026273	Inc-AC008073.6.1-1
A_33_P3211558	1,48479	1,42272	1,04396258	ENST00000436443	2066	NM_005235	ERBB4
A_33_P3289150	1,63737	1,57531	1,043955343	ENST00000380315	3043	N/A	HBB
A_33_P3309670	1,478	1,41594	1,043955343	N/A	57482	NM_020722	KIAA1211
A_32_P944252	1,6418	1,57975	1,043948107	ENST00000420149	474150	NR_002177	TTY4C
A_22_P00006311	1,63789	1,57585	1,043940871	ENST00000566684	N/A	AA383583	N/A
A_22_P00002384	1,48417	1,42213	1,043940871	N/A	N/A	BC043372	Inc-C13orf16-1
A_21_P0002699	1,78632	1,72428	1,043940871	ENST00000458099	253573	NR_033844	LOC253573
A_33_P3422010	1,47559	1,41356	1,043933635	ENST00000351747	201625	NM_001291661	DNAH12
A_33_P3231157	1,66652	1,60449	1,043933635	N/A	326343	AF348999	MT1DP
A_22_P00011902	1,62096	1,55893	1,043933635	ENST00000520762	102467655	NR_105003	LOC102467655
A_21_P0010835	1,47382	1,41179	1,043933635	N/A	729815	N/A	LOC729815
A_23_P39525	1,59236	1,53034	1,043926399	ENST00000389874	79843	NM_024785	FAM124B



A_22_P00017817	1,44546	1,38344	1,043926399	N/A	N/A	N/A	Inc-ZBTB48-1
A_33_P3414027	1,49523	1,43321	1,043926399	N/A	727924	NR_015416	LOC727924
A_33_P3253743	1,46287	1,40086	1,043919163	ENST00000565222	N/A	N/A	N/A
A_21_P0011461	9,46696	9,40496	1,043911927	N/A	N/A	N/A	XL0C_I2_005438
A_22_P00009123	1,6476	1,58561	1,043904692	N/A	N/A	N/A	Inc-LINC00273-8
A_32_P182812	1,45436	1,39237	1,043904692	ENST00000261707	6532	NM_001045	SLC6A4
A_33_P3371341	1,61709	1,5551	1,043904692	ENST00000606573	440078	NR_026788	FAM66C
A_22_P00019545	1,66269	1,6007	1,043904692	ENST00000539209	N/A	N/A	N/A
A_23_P109785	1,47414	1,41215	1,043904692	ENST00000493757	8856	NM_003889	NR112
A_24_P323545	7,13732	7,07533	1,043904692	ENST00000598205	79784	NM_001077186	MYH14
A_23_P45536	1,62832	1,56634	1,043897456	ENST00000414978	4168	NM_005369	MCF2
A_33_P3464855	8,86032	8,79836	1,043882984	N/A	26069	AL050097	DKFZP586B0319
A_22_P00013402	1,58453	1,52257	1,043882984	ENST00000510562	101929412	NR_104606	LOC101929412
A_33_P3328569	2,65311	2,59115	1,043882984	N/A	N/A	N/A	N/A
A_21_P0013364	1,64402	1,58207	1,043875749	ENST00000421890	645700	N/A	ZNF890P
A_21_P0001739	1,47455	1,4126	1,043875749	N/A	100996263	NR_121626	LOC100996263
A_22_P00003782	1,46171	1,39977	1,043868513	N/A	N/A	N/A	Inc-CDK5-1
A_21_P0007669	1,59951	1,53757	1,043868513	N/A	N/A	N/A	Inc-FZD10-3
A_21_P0006348	1,48091	1,41898	1,043861278	N/A	N/A	N/A	Inc-FAM201A-1
A_33_P3266828	9,99944	9,93752	1,043854042	ENST00000377996	51754	NM_016446	TMEM8B
A_33_P3243486	1,74434	1,68242	1,043854042	ENST00000377697	444882	NM_001002923	IGFL4
A_33_P3369245	5,066	5,00409	1,043846807	N/A	101927645	XM_005275697	LOC101927645
A_33_P3825454	1,70514	1,64323	1,043846807	ENST00000453934	284898	XR_244416	LOC284898
A_22_P00014892	8,27137	8,20948	1,043832336	ENST00000521326	N/A	BC038731	N/A
A_23_P209700	1,72164	1,65976	1,043825101	ENST00000305141	10316	NM_006056	NMUR1
A_33_P3223701	1,46418	1,4023	1,043825101	ENST00000351008	83893	NM_031955	SPATA16
A_22_P00018231	1,65908	1,59724	1,04379616	N/A	N/A	N/A	Inc-ZNF680-3
A_22_P00002489	8,54466	8,48283	1,043788925	N/A	N/A	N/A	Inc-C16orf45-1
A_21_P0001587	1,49394	1,43211	1,043788925	N/A	N/A	N/A	Inc-CD1B-2
A_33_P3237714	1,47713	1,4153	1,043788925	ENST00000448948	N/A	N/A	N/A
A_21_P0006702	1,64383	1,58201	1,04378169	N/A	N/A	N/A	Inc-SORCS3-5
A_33_P3307965	7,0536	6,9918	1,043767221	ENST00000620146	126767	NM_001103170	AADA3L3
A_24_P154006	16,5033	16,4415	1,043767221	ENST00000518657	4715	NM_005005	NDUFB9

A_19_P00316427	1,70456	1,64277	1,043759986	N/A	100048912	NR_047533	CDKN2B-AS1
A_22_P00009814	1,63227	1,57049	1,043752751	N/A	N/A	BG719595	Inc-MEP1B-1
A_21_P0010996	1,59805	1,53628	1,043745516	N/A	N/A	N/A	XLOC_I2_002469
A_22_P00011610	1,58903	1,52727	1,043738282	ENST00000520646	101930275	XR_250321	LOC101930275
A_22_P00004176	1,63032	1,56856	1,043738282	N/A	102725160	XR_432026	LOC102725160
A_33_P3382803	1,69589	1,63415	1,043723812	ENST00000334389	646113	NR_015358	LINC00643
A_33_P3381067	1,47507	1,41333	1,043723812	ENST00000316770	219960	NM_001004471	OR10Q1
A_24_P306469	8,71034	8,64861	1,043716578	ENST00000477300	N/A	N/A	N/A
A_21_P0007581	1,72345	1,66172	1,043716578	N/A	N/A	N/A	Inc-ATXN7L3B-2
A_33_P3320683	1,49107	1,42935	1,043709343	ENST00000426471	101929520	NR_104061	LINC00993
A_23_P370494	1,7225	1,66078	1,043709343	ENST00000612073	56099	NM_032101	PCDHGB7
A_21_P0011193	1,63419	1,57249	1,043694875	N/A	N/A	N/A	XLOC_I2_004084
A_24_P381029	13,5934	13,5317	1,043694875	ENST00000331244	10539	NM_006541	GLRX3
A_33_P3418686	1,47607	1,41438	1,04368764	ENST00000261917	10021	NM_005477	HCN4
A_23_P43337	1,77509	1,71341	1,043680406	ENST00000380880	158326	NM_144966	FREM1
A_33_P3251868	1,58332	1,52166	1,043665938	N/A	N/A	N/A	N/A
A_23_P325593	1,73376	1,6721	1,043665938	ENST00000559137	145645	NM_152448	C15orf43
A_22_P00013854	1,84094	1,7793	1,043651469	N/A	101926926	NR_125388	LOC101926926
A_21_P0004091	1,46747	1,40584	1,043644235	ENST00000508823	102467075	N/A	LINC01017
A_33_P3239794	1,4547	1,39308	1,043637001	ENST00000532284	N/A	N/A	N/A
A_33_P3418417	1,65039	1,58877	1,043637001	ENST00000410056	6519	DQ023513	SLC3A1
A_19_P00809895	1,72684	1,66523	1,043629768	ENST00000560778	100996492	N/A	LINC01314
A_21_P0006307	1,64968	1,58807	1,043629768	N/A	N/A	N/A	Inc-ABCA1-1
A_21_P0006400	1,74247	1,68086	1,043629768	N/A	N/A	N/A	Inc-QSOX2-1
A_21_P0002247	1,65035	1,58875	1,043622534	N/A	N/A	N/A	Inc-CTNNA2-3
A_22_P00005103	1,64092	1,57932	1,043622534	N/A	283521	NR_027048	LINC00282
A_33_P3358342	13,7129	13,6513	1,043622534	ENST00000312960	6478	NM_005067	SIAH2
A_21_P0002350	5,29311	5,23152	1,0436153	N/A	N/A	N/A	Inc-SMARCAL1-3
A_33_P6815772	1,46366	1,40207	1,0436153	ENST00000489670	401082	NR_109842	LINC01205
A_22_P00020524	1,75077	1,68918	1,0436153	ENST00000435291	N/A	N/A	N/A
A_33_P3262729	1,4415	1,37992	1,043608066	ENST00000403437	4626	NM_002472	MYH8
A_22_P00005395	1,69641	1,63483	1,043608066	ENST00000523563	N/A	AK123921	N/A
A_21_P0002783	1,45427	1,39269	1,043608066	N/A	102724289	XR_431648	LOC102724289

A_22_P00024694	1,61674	1,55517	1,043600832	N/A	N/A	AK093090	Inc-FBXL14-3
A_23_P42855	1,59292	1,53135	1,043600832	ENST00000297203	219557	NM_152706	C7orf62
A_22_P00013511	1,45758	1,39601	1,043600832	ENST00000521131	N/A	N/A	N/A
A_23_P24543	1,49291	1,43135	1,043593599	ENST00000424269	120400	NM_152315	NXPE1
A_21_P0004898	1,64559	1,58404	1,043586365	N/A	N/A	N/A	Inc-CD109-1
A_33_P3210827	4,90309	4,84154	1,043586365	ENST00000592928	5892	NM_002878	RAD51D
A_21_P0006979	1,60899	1,54746	1,043571898	N/A	N/A	N/A	Inc-ACBD5-2
A_32_P80816	1,47752	1,41599	1,043571898	ENST00000614422	284369	NM_173635	SIGLECL1
A_21_P0006013	1,5834	1,52187	1,043571898	ENST00000617090	N/A	N/A	N/A
A_21_P0008889	1,63697	1,57545	1,043564665	N/A	N/A	N/A	Inc-TNRC6A-1
A_33_P3244713	1,65706	1,59555	1,043557431	ENST00000503430	N/A	N/A	N/A
A_21_P0001966	2,20701	2,1455	1,043557431	N/A	N/A	N/A	Inc-ATIC-6
A_22_P00014613	1,76193	1,70042	1,043557431	ENST00000543651	N/A	N/A	N/A
A_21_P0012911	4,58332	4,52181	1,043557431	N/A	102725009	N/A	LOC102725009
A_33_P3223712	1,49578	1,43428	1,043550198	N/A	N/A	N/A	N/A
A_21_P0010734	3,77182	3,71033	1,043542964	ENST00000434447	N/A	N/A	N/A
A_23_P403886	2,87456	2,81307	1,043542964	ENST00000278400	10249	NM_005838	GLYAT
A_22_P00017918	1,47812	1,41664	1,043535731	ENST00000505488	N/A	N/A	N/A
A_23_P21618	1,46217	1,4007	1,043528498	ENST00000263666	23024	NM_015009	PDZRN3
A_22_P00013595	1,47703	1,41557	1,043521265	N/A	N/A	N/A	Inc-RP11-50B3.2.1-2
A_21_P0003468	1,65176	1,5903	1,043521265	ENST00000510941	N/A	N/A	N/A
A_21_P0005263	1,70003	1,63857	1,043521265	ENST00000422042	N/A	N/A	N/A
A_21_P0000699	1,62797	1,56653	1,043506799	N/A	100506421	NR_037883	LINC01158
A_21_P0007309	7,33293	7,2715	1,043499566	N/A	N/A	N/A	Inc-GLB1L2-3
A_22_P00000150	1,5145	1,45307	1,043499566	N/A	101928535	N/A	LOC101928535
A_32_P40596	1,73392	1,67249	1,043499566	N/A	3737	NM_001204269	KCNA2
A_19_P00321319	1,66293	1,60151	1,043492333	ENST00000606723	N/A	N/A	N/A
A_21_P0013292	14,7382	14,6768	1,043477867	ENST00000353999	7458	NM_022170	EIF4H
A_22_P00006033	3,81814	3,75675	1,043470634	ENST00000547777	N/A	XR_245975	N/A
A_21_P0004803	1,47431	1,41295	1,043448936	ENST00000359760	653483	NR_027906	MLLT4-AS1
A_33_P3406004	8,13878	8,07744	1,043434471	ENST00000339195	54059	NM_058181	YBEY
A_21_P0001794	1,61447	1,55313	1,043434471	ENST00000421071	284998	N/A	LINC01114
A_21_P0010856	1,58566	1,52432	1,043434471	N/A	N/A	N/A	XLOC_I2_001851

A_21_P0010431	1,67531	1,61398	1,043427238	N/A	N/A	N/A	Inc-MAPK8IP2-1
A_22_P00010280	1,65146	1,59016	1,043405541	N/A	N/A	N/A	Inc-MTO1-1
A_23_P6263	12,6017	12,5404	1,043405541	ENST00000330714	4600	NM_002463	MX2
A_23_P144816	14,4366	14,3753	1,043405541	ENST00000395047	7416	NM_003374	VDAC1
A_21_P0007298	1,91692	1,85563	1,043398309	N/A	N/A	N/A	Inc-RP11-1007G5.2.1-2
A_33_P3209924	1,76616	1,70488	1,043391076	N/A	N/A	N/A	N/A
A_21_P0008436	1,80502	1,74374	1,043391076	ENST00000556130	100506446	XR_110289	LOC100506446
A_33_P3397209	1,60887	1,5476	1,043383844	N/A	N/A	N/A	N/A
A_21_P0001166	1,65008	1,58882	1,043376612	ENST00000449303	N/A	N/A	N/A
A_21_P0009046	1,73904	1,67778	1,043376612	ENST00000568492	283867	NR_027755	LINC00922
A_22_P00014447	1,78136	1,7201	1,043376612	ENST00000566715	N/A	AK093573	N/A
A_33_P3302275	1,64924	1,58799	1,04336938	ENST00000370540	347487	NM_001013403	CXorf66
A_33_P3326075	1,64967	1,58842	1,04336938	ENST00000464755	1557	NM_000769	CYP2C19
A_22_P00009694	1,69912	1,63787	1,04336938	N/A	N/A	AL042792	Inc-MBOAT1-5
A_22_P00017942	1,64009	1,57884	1,04336938	ENST00000360121	6693	NM_001030288	SPN
A_23_P117095	1,48025	1,41901	1,043362148	ENST00000237837	8074	NM_020638	FGF23
A_22_P00004015	1,75656	1,69533	1,043354916	N/A	N/A	N/A	Inc-CHMP4C-5
A_22_P00009620	1,44135	1,38012	1,043354916	N/A	N/A	N/A	Inc-MARCH7-2
A_33_P3404346	1,78434	1,72311	1,043354916	N/A	N/A	N/A	N/A
A_32_P222684	4,16881	4,10758	1,043354916	ENST00000407847	93166	NM_001136239	PRDM6
A_21_P0005435	1,61091	1,5497	1,043340452	N/A	N/A	N/A	Inc-AC015987.1-3
A_21_P0009284	1,47429	1,41309	1,04333322	N/A	N/A	N/A	Inc-PGS1-1
A_21_P0010983	5,00556	4,94437	1,043325988	N/A	N/A	N/A	Inc-NPAS4-1
A_21_P0011810	1,74293	1,68174	1,043325988	N/A	N/A	N/A	XLOC_l2_007419
A_21_P0000417	1,65223	1,59105	1,043318757	N/A	767598	NR_003213	SNORD114-20
A_21_P0004649	1,62399	1,56284	1,043297062	N/A	N/A	N/A	Inc-DNAH8-1
A_22_P00010681	1,46705	1,4059	1,043297062	ENST00000547559	N/A	N/A	N/A
A_22_P00018673	1,6451	1,58399	1,043268136	N/A	N/A	N/A	Inc-WDR5-2
A_22_P00013437	1,78548	1,72437	1,043268136	ENST00000535911	N/A	N/A	N/A
A_32_P18250	10,2267	10,1656	1,043260904	ENST00000443452	388965	NR_003663	FUNDC2P2
A_23_P369090	1,64529	1,58419	1,043260904	ENST00000278979	128853	XR_430334	DUSP15
A_22_P00024577	1,46727	1,40617	1,043260904	ENST00000428485	101926924	N/A	LINC01375
A_33_P3367731	1,6125	1,5514	1,043260904	ENST00000341998	25769	NM_020344	SLC24A2

A_22_P00021884	1,47897	1,41788	1,043253673	N/A	N/A	N/A	Inc-LYRM2-1
A_23_P357185	6,34569	6,28463	1,043231979	ENST00000315251	55349	NM_018397	CHDH
A_21_P0014460	1,64938	1,58833	1,043224748	N/A	N/A	XR_109939	N/A
A_21_P0002943	1,58251	1,52146	1,043224748	N/A	N/A	N/A	Inc-WDR48-1
A_22_P00012826	1,45926	1,39822	1,043217517	ENST00000504287	N/A	N/A	N/A
A_19_P00811924	1,63507	1,57406	1,043195824	N/A	N/A	N/A	Inc-GXYLT1-2
A_21_P0008209	1,59326	1,53226	1,043188594	N/A	N/A	N/A	Inc-EFNB2-3
A_33_P3408162	1,45448	1,39349	1,043181363	N/A	N/A	N/A	N/A
A_22_P00017260	1,6065	1,54552	1,043174132	N/A	N/A	AY701053	Inc-UNG-1
A_21_P0014883	1,63194	1,57097	1,043166901	N/A	100507664	AK130016	LOC100507664
A_23_P88278	1,45713	1,39616	1,043166901	ENST00000400017	57096	NM_020366	RPGRIP1
A_22_P00020100	1,70579	1,64484	1,04315244	N/A	N/A	N/A	Inc-EMX2-3
A_21_P0008706	1,45146	1,39052	1,043145209	N/A	N/A	N/A	Inc-NDN-4
A_21_P0011155	1,46183	1,40091	1,043130748	N/A	N/A	N/A	XLOC_I2_003820
A_24_P929565	1,69583	1,63491	1,043130748	ENST00000378479	400952	NR_033831	LINC01121
A_33_P3339269	1,44121	1,3803	1,043123518	ENST00000452221	N/A	N/A	N/A
A_23_P123402	1,45295	1,39204	1,043123518	ENST00000276573	84675	NM_184086	TRIM55
A_23_P168306	10,6625	10,6016	1,043116288	ENST00000392589	8936	NM_003931	WASF1
A_33_P3374025	1,59954	1,53864	1,043116288	N/A	100130197	NR_038827	EFCAB14-AS1
A_33_P3292402	1,67766	1,61676	1,043116288	ENST00000468759	127255	AK131476	LRRIQ3
A_24_P49220	1,76405	1,70315	1,043116288	ENST00000507248	285456	NR_026968	RPL34-AS1
A_22_P00017858	1,43862	1,37773	1,043109057	N/A	N/A	BC018444	Inc-ZDHHC13-3
A_33_P3393245	6,6445	6,58362	1,043101827	ENST00000457419	23070	NM_015050	CMTR1
A_21_P0002473	1,70793	1,64706	1,043094597	N/A	N/A	N/A	Inc-ANKRD36C-2
A_21_P0005242	1,67275	1,61191	1,043072907	N/A	N/A	N/A	Inc-AC005008.2.1-2
A_23_P34637	3,93759	3,87676	1,043065677	ENST00000272190	5972	NM_000537	REN
A_24_P170403	1,7032	1,64237	1,043065677	ENST00000409561	388960	NM_001080474	C2orf78
A_21_P0005575	1,61695	1,55613	1,043058447	N/A	N/A	N/A	Inc-CPA4-1
A_22_P00002306	8,0075	7,94668	1,043058447	ENST00000534540	100506211	NR_038262	MIR210HG
A_21_P0014866	1,49547	1,43466	1,043051217	N/A	100506237	NR_103710	NKX2-1-AS1
A_21_P0004262	1,68262	1,62182	1,043043987	N/A	N/A	N/A	Inc-PIK3R1-6
A_23_P103703	1,48031	1,41951	1,043043987	ENST00000311890	27129	NM_014424	HSPB7
A_24_P405205	11,7998	11,739	1,043043987	ENST00000367218	493	NM_001001396	ATP2B4

A_24_P411561	1,74514	1,68435	1,043036757	ENST00000307851	84868	NM_032782	HAVCR2
A_33_P3396686	1,44968	1,38889	1,043036757	ENST00000338150	285782	NM_001170693	CAGE1
A_33_P3338220	1,74596	1,68517	1,043036757	ENST00000328828	646892	NM_001101404	SH2D7
A_23_P2857	1,69855	1,63776	1,043036757	ENST00000242819	83446	NM_031290	CCDC70
A_22_P00004904	1,61032	1,54954	1,043029527	N/A	N/A	N/A	Inc-DAOA-1
A_33_P3279136	1,63445	1,57367	1,043029527	ENST00000522622	286177	NR_038874	LOC286177
A_23_P25813	1,64706	1,5863	1,043015068	ENST00000326842	10876	NM_006683	EDDM3A
A_22_P00020592	1,59795	1,53719	1,043015068	N/A	N/A	N/A	Inc-TXLNB-1
A_21_P0013015	1,49414	1,43339	1,043007838	N/A	N/A	N/A	XLOC_I2_012397
A_21_P0008883	1,49311	1,43236	1,043007838	ENST00000561513	100505619	NR_038233	LINC00919
A_21_P0007012	1,4532	1,39246	1,043000609	N/A	N/A	N/A	Inc-ANKRD1-2
A_23_P201778	1,63332	1,57258	1,043000609	ENST00000495688	5778	NM_080588	PTPN7
A_21_P0012628	1,45101	1,3903	1,04297892	N/A	N/A	N/A	XLOC_I2_010908
A_33_P3367894	1,47232	1,41162	1,042971691	N/A	N/A	AK127022	N/A
A_22_P00011339	13,8266	13,7659	1,042971691	ENST00000314133	1351	NM_004074	COX8A
A_24_P392713	15,1092	15,0485	1,042971691	ENST00000492017	N/A	AK124741	N/A
A_23_P212105	1,45787	1,39718	1,042964462	ENST00000399444	1618	NM_001351	DAZL
A_22_P00005050	1,63109	1,5704	1,042964462	N/A	101927164	NR_110668	LOC101927164
A_24_P247273	6,24891	6,18823	1,042957233	ENST00000391480	102724536	XM_006709946	PRR33
A_33_P3241521	1,47032	1,40964	1,042957233	ENST00000522192	1879	NM_001290360	EBF1
A_21_P0008038	1,46152	1,40084	1,042957233	N/A	N/A	N/A	Inc-PABPC3-1
A_24_P231829	1,64286	1,58218	1,042957233	ENST00000255192	23743	NM_017614	BHMT2
A_21_P0004941	1,49348	1,4328	1,042957233	ENST00000458028	100507254	NR_038981	LINC01013
A_33_P3405213	4,55973	4,49905	1,042957233	ENST00000563924	5175	NM_000442	PECAM1
A_23_P383325	1,5797	1,51904	1,042942774	ENST00000307588	256309	NM_152775	CCDC110
A_22_P00010311	1,62251	1,56185	1,042942774	N/A	N/A	N/A	Inc-MUC20-1
A_22_P00010380	1,72842	1,66777	1,042935545	ENST00000578787	N/A	N/A	N/A
A_21_P0002005	1,47981	1,41916	1,042935545	ENST00000591060	102800315	NR_110498	LINC01246
A_22_P00014815	1,64176	1,58111	1,042935545	ENST00000543512	102723505	N/A	LOC102723505
A_33_P3373584	1,644	1,58335	1,042935545	N/A	N/A	N/A	N/A
A_21_P0012290	1,44313	1,38248	1,042935545	N/A	N/A	N/A	XLOC_I2_009492
A_22_P00006244	1,48059	1,41995	1,042928316	N/A	N/A	N/A	Inc-FAM59A-2
A_33_P3375785	1,45634	1,3957	1,042928316	ENST00000423410	100996630	XR_159047	LOC100996630

A_22_P00023062	4,14249	4,08185	1,042928316	N/A	729867	NR_123725	LOC729867
A_22_P00018186	1,68551	1,62489	1,042913858	ENST00000520192	N/A	N/A	N/A
A_33_P3571901	1,70087	1,64026	1,042906629	N/A	100287387	XM_002342310	LOC100287387
A_21_P0012970	1,4911	1,43049	1,042906629	ENST00000503113	N/A	N/A	N/A
A_33_P3261167	13,3359	13,2753	1,0428994	N/A	2799	NM_002076	GNS
A_23_P22926	12,4467	12,3861	1,0428994	ENST00000378609	2782	NM_002074	GNB1
A_22_P00014369	1,64156	1,58099	1,042877714	ENST00000568279	101927580	NR_110917	LOC101927580
A_22_P00013927	1,4938	1,43326	1,042856028	N/A	N/A	DB061558	Inc-RPUSD2-1
A_21_P0005155	1,43848	1,37794	1,042856028	N/A	N/A	N/A	Inc-DTNBP1-2
A_22_P00020586	1,43515	1,37461	1,042856028	N/A	102724950	XR_425240	LOC102724950
A_33_P3223780	1,48871	1,42818	1,0428488	ENST00000498377	3913	NM_002292	LAMB2
A_33_P3237894	1,64838	1,58785	1,0428488	ENST00000410098	1124	NM_001293081	CHN2
A_33_P3239487	1,61199	1,55147	1,042841571	N/A	378832	NR_028082	COL18A1-AS1
A_23_P401700	1,43593	1,37541	1,042841571	ENST00000376236	54518	NM_019043	APBB1P
A_21_P0002102	1,465	1,40449	1,042834343	ENST00000412312	N/A	N/A	N/A
A_23_P30736	5,65632	5,59582	1,042827115	ENST00000426644	3112	NM_002120	HLA-DOB
A_22_P00000156	1,64031	1,57981	1,042827115	N/A	N/A	N/A	Inc-ABCA5-2
A_22_P00019177	1,62972	1,56922	1,042827115	N/A	101928118	NR_125949	LOC101928118
A_33_P3330549	11,055	10,9945	1,042827115	ENST00000590475	57153	NM_020428	SLC44A2
A_32_P73151	1,46056	1,40007	1,042819886	N/A	N/A	AK124778	Inc-GABRB1-1
A_23_P13493	1,46924	1,40876	1,042812658	ENST00000396952	143503	NM_152430	OR51E1
A_21_P0007391	1,58077	1,5203	1,04280543	N/A	N/A	N/A	Inc-PDGFD-2
A_33_P3371237	1,68719	1,62673	1,042798202	N/A	100131514	XM_001718671	LOC100131514
A_24_P59459	1,47794	1,41748	1,042798202	N/A	63895	AK092226	PIEZO2
A_33_P3253857	5,17267	5,11222	1,042790974	ENST00000597330	N/A	N/A	N/A
A_32_P205624	6,88873	6,82828	1,042790974	ENST00000264554	25759	NM_012435	SHC2
A_21_P0000293	1,62551	1,56507	1,042783745	N/A	6082	NR_002908	SNORD20
A_22_P00024567	1,63187	1,57144	1,042776517	N/A	N/A	N/A	Inc-AL445989.1-4
A_23_P48229	1,73443	1,67401	1,04276929	ENST00000382545	3736	NM_000217	KCNA1
A_22_P00014674	1,46784	1,40744	1,042754834	N/A	N/A	BX112226	Inc-SLC24A5-2
A_22_P00015423	1,45208	1,39168	1,042754834	N/A	101927138	XR_244177	LOC101927138
A_23_P34835	15,2057	15,1453	1,042754834	ENST00000361308	4000	NM_005572	LMNA
A_33_P3406873	7,57177	7,51137	1,042754834	ENST00000403080	23114	NM_001005389	NFASC

A_22_P00014291	1,58431	1,52393	1,042740378	N/A	N/A	BX117128	Inc-SERAC1-1
A_22_P00013484	1,58134	1,52096	1,042740378	ENST00000522857	N/A	N/A	N/A
A_21_P0004235	1,47192	1,41155	1,042733151	N/A	N/A	N/A	Inc-BASP1-4
A_21_P0001930	1,75392	1,69355	1,042733151	ENST00000432599	N/A	N/A	N/A
A_22_P00000921	1,49232	1,43196	1,042725923	N/A	N/A	N/A	Inc-AKAP14-1
A_22_P00009656	1,48177	1,42141	1,042725923	N/A	N/A	N/A	Inc-MAT2B-3
A_21_P0004611	1,47092	1,41056	1,042725923	N/A	100506188	N/A	LOC100506188
A_22_P00017126	1,67195	1,6116	1,042718695	N/A	N/A	N/A	Inc-UBASH3A-2
A_33_P3892608	1,45037	1,39005	1,042697013	ENST00000610076	343450	NM_198503	KCNT2
A_33_P3328270	1,71263	1,65232	1,042689785	ENST00000436881	389813	NM_001080482	C9orf172
A_22_P00017571	1,69928	1,63897	1,042689785	ENST00000447563	154822	NR_024394	LINC00689
A_33_P3352058	1,49183	1,43153	1,042682558	N/A	N/A	BC092495	N/A
A_22_P00010635	1,57097	1,51068	1,042675331	N/A	101928834	NR_120646	LOC101928834
A_22_P00022531	1,70548	1,6452	1,042668103	ENST00000510879	101929338	NR_109935	CTD-2201E9.1
A_21_P0007568	1,62975	1,56947	1,042668103	N/A	N/A	N/A	Inc-XRCC6BP1-3
A_32_P228167	1,58353	1,52326	1,042660876	ENST00000298699	160419	NM_152589	C12orf50
A_33_P3364185	4,84535	4,78508	1,042660876	ENST00000370947	51634	N/A	RBMX2
A_22_P00013946	4,97694	4,91668	1,042653649	N/A	N/A	AF447869	Inc-RSL1D1-2
A_21_P0005661	1,65523	1,59499	1,042639195	N/A	N/A	N/A	Inc-EFHA2-2
A_22_P00001068	1,44942	1,38918	1,042639195	N/A	101928694	NR_120338	LOC101928694
A_22_P00011751	1,47395	1,41374	1,042617514	N/A	100192378	NR_024360	ZFH4-AS1
A_21_P0002538	1,69218	1,63198	1,042610287	N/A	N/A	N/A	Inc-IKZF2-3
A_22_P00023318	1,57989	1,51969	1,042610287	N/A	N/A	N/A	Inc-TPX2-1
A_23_P317691	11,3139	11,2537	1,042610287	ENST00000510698	51720	NM_016290	UIMC1
A_33_P3484806	4,91608	4,85589	1,042603061	N/A	N/A	AK025061	Inc-IL4R-2
A_24_P218001	8,81001	8,74983	1,042595834	ENST00000489672	10793	NM_021148	ZNF273
A_22_P00018647	1,49884	1,43866	1,042595834	ENST00000432694	N/A	BQ707656	N/A
A_33_P3304759	1,6357	1,57553	1,042588607	N/A	101928569	N/A	LOC101928569
A_22_P00009313	1,64656	1,58639	1,042588607	ENST00000531210	N/A	CD243455	N/A
A_21_P0007926	1,69472	1,63458	1,042566927	N/A	102723318	N/A	LINC01053
A_33_P3339701	1,70075	1,64061	1,042566927	N/A	N/A	N/A	N/A
A_22_P00023063	1,60586	1,54573	1,042559701	ENST00000554842	122651	NM_145250	RNASE11
A_21_P0013079	1,45572	1,39561	1,042545248	N/A	N/A	N/A	XLOC_I2_012984



A_22_P00018385	2,39251	2,33241	1,042538022	N/A	N/A	AK057809	Inc-FAM13B-1
A_23_P146217	7,36882	7,30873	1,042530795	ENST00000287322	9530	NM_004874	BAG4
A_22_P00016976	1,49857	1,43848	1,042530795	ENST00000526615	51144	XR_252883	HSD17B12
A_21_P0002995	1,6687	1,60861	1,042530795	N/A	100846978	N/A	LINC00506
A_33_P3379926	1,47997	1,41988	1,042530795	ENST00000439485	10050	NM_005495	SLC17A4
A_23_P61508	1,71415	1,65408	1,042516343	ENST00000310169	55584	NM_017581	CHRNA9
A_23_P79978	1,44643	1,38636	1,042516343	ENST00000613834	57419	NM_020689	SLC24A3
A_22_P00000026	1,66122	1,60115	1,042516343	N/A	196047	NR_002791	EMX2OS
A_32_P165974	1,48248	1,42244	1,042494665	ENST00000357716	2917	NM_181874	GRM7
A_22_P00008750	1,6741	1,61408	1,042480213	N/A	N/A	XR_108388	Inc-KIDINS220-2
A_33_P3827580	1,74283	1,68281	1,042480213	N/A	644852	BC025398	LOC644852
A_21_P0009983	1,63772	1,57771	1,042472987	ENST00000616333	N/A	N/A	N/A
A_22_P00009485	1,49529	1,43529	1,042465761	N/A	N/A	N/A	Inc-MAGEB1-2
A_23_P129291	1,64594	1,58594	1,042465761	ENST00000396996	9333	NM_201631	TGM5
A_22_P00008644	1,59614	1,53614	1,042465761	N/A	N/A	N/A	Inc-KIAA0020-2
A_22_P00023990	7,80463	7,74464	1,042458535	N/A	N/A	AK026915	Inc-PLXND1-1
A_22_P00002416	1,90333	1,84334	1,042458535	ENST00000557072	N/A	N/A	N/A
A_22_P00006234	1,62736	1,56738	1,042451309	ENST00000545593	N/A	N/A	N/A
A_22_P00015016	1,5988	1,53882	1,042451309	ENST00000532430	N/A	AK058146	N/A
A_24_P356130	8,58495	8,52497	1,042451309	ENST00000558392	5607	NM_002757	MAP2K5
A_33_P3362503	4,24636	4,18639	1,042444084	ENST00000407010	729920	NM_001101426	ISPD
A_33_P3221333	1,76448	1,70454	1,042422407	ENST00000433944	N/A	N/A	N/A
A_21_P0013075	1,72511	1,66517	1,042422407	N/A	N/A	N/A	XLOC_I2_012932
A_23_P79562	1,47158	1,41165	1,042415181	ENST00000295834	2168	NM_001443	FABP1
A_22_P00002434	1,68395	1,62402	1,042415181	ENST00000557275	79686	NR_026779	LINC00341
A_21_P0011158	1,44853	1,38861	1,042407956	ENST00000608624	144920	NR_120418	LINC00343
A_21_P0007366	1,63516	1,57524	1,042407956	N/A	N/A	N/A	Inc-ORAOV1-4
A_22_P00014938	1,64666	1,58674	1,042407956	ENST00000446579	N/A	N/A	N/A
A_21_P0002210	1,49821	1,43829	1,042407956	N/A	N/A	N/A	Inc-SOCS5-2
A_19_P00317287	1,47055	1,41063	1,042407956	N/A	101929194	N/A	LOC101929194
A_33_P3353991	1,4396	1,3797	1,042393505	N/A	N/A	N/A	Inc-OR10AB1P-1
A_33_P3775741	16,0367	15,9768	1,042393505	ENST00000515866	132241	NR_003111	RPL32P3
A_32_P118568	1,62352	1,56363	1,04238628	N/A	10740	NR_002727	RFPL1S

A_22_P00018344	7,70016	7,64028	1,042379055	ENST00000574387	N/A	N/A	N/A
A_24_P344666	1,45721	1,39734	1,042371829	ENST00000378429	57144	NM_020341	PAK7
A_22_P00013491	1,46662	1,40676	1,042364604	N/A	29018	NR_024620	FOXN3-AS2
A_21_P0001625	1,64063	1,58077	1,042364604	N/A	102723886	XR_426903	LOC102723886
A_21_P0000571	1,74359	1,68373	1,042364604	N/A	646023	NR_028484	ADORA2A-AS1
A_22_P00025350	1,62534	1,56548	1,042364604	N/A	N/A	N/A	Inc-ZCWPW2-1
A_21_P0011973	1,45838	1,39852	1,042364604	N/A	N/A	N/A	XLOC_I2_008316
A_22_P00016230	6,36466	6,30481	1,042357379	N/A	101928513	NR_110573	CATIP-AS1
A_22_P00022113	1,58835	1,5285	1,042357379	ENST00000447571	N/A	BC007278	N/A
A_21_P0004189	1,70864	1,64879	1,042357379	ENST00000506431	100507267	NR_108022	LINC01187
A_22_P00003544	1,67566	1,61582	1,042350154	ENST00000429730	N/A	N/A	N/A
A_33_P3823466	1,45268	1,39285	1,042342929	N/A	157931	AK057274	LOC157931
A_22_P00018551	3,54988	3,49006	1,042335704	N/A	N/A	N/A	Inc-DDX54-1
A_33_P3327504	1,60002	1,5402	1,042335704	ENST00000321255	283111	NM_001004760	OR51V1
A_22_P00012918	1,74615	1,68634	1,042328479	N/A	N/A	HY003700	Inc-RBP5-2
A_22_P00012843	1,65506	1,59526	1,042321254	N/A	101929423	NR_104031	MEF2C-AS1
A_22_P00023441	1,64612	1,58632	1,042321254	ENST00000555713	N/A	DA126874	N/A
A_24_P247454	13,9536	13,8938	1,042321254	ENST00000395181	N/A	N/A	N/A
A_22_P00001281	1,5887	1,52891	1,04231403	N/A	N/A	N/A	Inc-ANKRD65-2
A_21_P0009802	1,64432	1,58453	1,04231403	N/A	102723540	XR_430234	LOC102723540
A_21_P0012987	1,6803	1,62051	1,04231403	ENST00000511953	N/A	N/A	N/A
A_22_P00024144	1,61961	1,55984	1,04229958	N/A	101929315	NR_125809	LOC101929315
A_21_P0010740	7,62443	7,56467	1,042292356	ENST00000457955	N/A	N/A	N/A
A_21_P0013172	1,64223	1,58247	1,042292356	N/A	N/A	N/A	XLOC_I2_013277
A_21_P0013614	1,4485	1,38874	1,042292356	N/A	N/A	N/A	XLOC_I2_015098
A_21_P0005929	1,44088	1,38114	1,042277906	N/A	N/A	N/A	Inc-SH2D4A-1
A_22_P00000015	1,72566	1,66593	1,042270682	N/A	N/A	AK054921	Inc-RP1-177G6.2.1-2
A_24_P922849	1,43428	1,37455	1,042270682	ENST00000419717	647589	NM_001191054	ANHx
A_22_P00025037	1,4683	1,40858	1,042263457	ENST00000484675	N/A	N/A	N/A
A_21_P0012614	1,64714	1,58743	1,042256233	ENST00000505436	N/A	N/A	N/A
A_22_P00006146	1,45446	1,39475	1,042256233	ENST00000505511	N/A	N/A	N/A
A_23_P4425	12,3958	12,3361	1,042249009	ENST00000493401	2314	NM_002018	FLII
A_22_P00017799	1,69309	1,6334	1,042241784	N/A	N/A	N/A	Inc-ZBTB10-3

A_33_P3413355	1,6426	1,58292	1,04223456	ENST00000533673	8534	NM_003654	CHST1
A_24_P250765	1,59322	1,53356	1,042220112	ENST00000401604	5592	NM_006258	PRKG1
A_33_P3366833	1,57639	1,51673	1,042220112	ENST00000534415	493860	NM_001008391	CCDC73
A_22_P00007630	1,58416	1,52451	1,042212888	N/A	N/A	DQ680071	Inc-HEPH-1
A_22_P00016820	1,74326	1,68362	1,042205664	ENST00000505196	N/A	N/A	N/A
A_22_P00000317	1,46865	1,40901	1,042205664	N/A	N/A	N/A	Inc-AC011294.3.1-2
A_22_P00025839	1,44955	1,38992	1,04219844	ENST00000491909	N/A	N/A	N/A
A_33_P3380252	1,57711	1,51749	1,042191216	N/A	N/A	N/A	N/A
A_22_P00008962	1,52292	1,46331	1,042183992	ENST00000554196	645687	BQ215860	LINC00520
A_21_P0009494	1,62588	1,56628	1,042176768	N/A	N/A	N/A	Inc-SOCS6-2
A_23_P257936	1,46587	1,40627	1,042176768	ENST00000621631	1527	NM_001586	TEX28
A_33_P3277308	1,67622	1,61663	1,042169544	ENST00000369547	148281	NM_001270805	SYT6
A_33_P3322870	1,49644	1,43685	1,042169544	ENST00000524820	143425	NM_175733	SYT9
A_22_P00012842	1,48216	1,42259	1,042155097	N/A	N/A	N/A	Inc-RASA1-7
A_21_P0001336	3,2665	3,20694	1,042147873	ENST00000479252	N/A	XR_426721	N/A
A_23_P45811	1,46328	1,40372	1,042147873	ENST00000322679	1733	NM_000792	DIO1
A_33_P3351285	1,6399	1,58034	1,042147873	ENST00000623536	N/A	AF370406	N/A
A_22_P00009404	1,74175	1,68221	1,042133426	ENST00000534068	N/A	BX110993	N/A
A_21_P0008732	1,48119	1,42165	1,042133426	N/A	N/A	N/A	Inc-EPB42-1
A_33_P3244543	1,69672	1,63718	1,042133426	ENST00000357147	389320	NM_207408	TEX43
A_22_P00001049	8,79255	8,73302	1,042126203	ENST00000615421	200030	NM_001101663	NBPF11
A_21_P0009599	1,63747	1,57794	1,042126203	N/A	N/A	N/A	Inc-NDUFV2-1
A_21_P0003510	1,65443	1,5949	1,042126203	ENST00000506412	N/A	N/A	N/A
A_23_P215331	2,67527	2,61574	1,042126203	ENST00000452278	1395	NM_001883	CRHR2
A_33_P3371810	1,59641	1,53689	1,042118979	ENST00000453262	N/A	X58330	N/A
A_23_P392317	1,60721	1,5477	1,042111756	ENST00000620101	9228	NM_004745	DLGAP2
A_23_P24365	10,8741	10,8146	1,042104532	ENST00000302755	54851	NM_017704	ANKRD49
A_21_P0005025	1,5871	1,52762	1,042090086	N/A	N/A	N/A	Inc-TREM2-1
A_22_P00009899	1,67206	1,61258	1,042090086	ENST00000431897	N/A	N/A	N/A
A_22_P00023257	8,60335	8,54388	1,042082863	N/A	N/A	AK125500	Inc-IFRD2-2
A_22_P00012271	2,81543	2,75596	1,042082863	N/A	N/A	N/A	Inc-PPP1R3D-2
A_22_P00016449	1,45522	1,39575	1,042082863	N/A	N/A	N/A	Inc-TMEM60-2
A_21_P0014579	1,44554	1,38607	1,042082863	N/A	100507175	XR_111307	LOC100507175

A_21_P0002354	1,64249	1,58302	1,042082863	N/A	101928374	XR_249308	LOC101928374
A_33_P3282185	1,4387	1,37924	1,042075639	N/A	N/A	AK127116	N/A
A_22_P00001642	1,62842	1,56897	1,042068416	N/A	N/A	CD698978	Inc-ASB2-2
A_22_P00009633	1,73423	1,67481	1,042046747	N/A	N/A	N/A	Inc-MARCKS-5
A_22_P00003053	1,68864	1,62922	1,042046747	ENST00000419596	N/A	N/A	N/A
A_23_P153616	1,62256	1,56314	1,042046747	ENST00000346144	8174	NM_130760	MADCAM1
A_33_P3382685	1,45033	1,39092	1,042039525	N/A	N/A	N/A	N/A
A_23_P381203	8,41774	8,35834	1,042032302	ENST00000261588	23247	NM_015202	KIAA0556
A_21_P0013619	1,6261	1,5667	1,042032302	N/A	N/A	N/A	XLOC_I2_015098
A_33_P3414477	1,62305	1,56365	1,042032302	ENST00000562009	729739	BC013681	LOC729739
A_23_P30091	1,64553	1,58614	1,042025079	ENST00000262999	7350	NM_021833	UCP1
A_22_P00023927	1,47862	1,41925	1,042010633	N/A	101928491	NR_110855	LOC101928491
A_22_P00025499	1,63436	1,57501	1,041996188	ENST00000580984	N/A	N/A	N/A
A_21_P0012720	1,65673	1,5974	1,041981743	ENST00000504795	N/A	N/A	N/A
A_22_P00007838	1,63642	1,57709	1,041981743	N/A	N/A	N/A	Inc-HPS4-2
A_22_P00009346	1,624	1,56468	1,041974521	ENST00000548619	N/A	N/A	N/A
A_32_P234518	1,48233	1,42301	1,041974521	ENST00000374521	158833	NM_001013579	AWAT1
A_32_P182299	1,45596	1,39664	1,041974521	ENST00000493000	199920	NM_001004303	C1orf168
A_22_P00009275	1,74266	1,68335	1,041967298	N/A	N/A	N/A	Inc-LRRC14B-1
A_33_P3284315	1,64376	1,58445	1,041967298	N/A	N/A	BG193489	N/A
A_33_P3313889	10,7144	10,6551	1,041960076	ENST00000351698	1861	NM_000113	TOR1A
A_23_P112251	13,0872	13,0279	1,041960076	ENST00000374294	2790	NM_001017998	GNG10
A_33_P3324730	1,62252	1,56323	1,041952854	ENST00000374345	140873	NM_001145350	C20orf173
A_22_P00019458	1,47597	1,41672	1,041923965	ENST00000566085	N/A	N/A	N/A
A_21_P0004335	1,65165	1,59241	1,041916743	N/A	N/A	N/A	Inc-ERGIC1-2
A_24_P11900	1,64481	1,58557	1,041916743	ENST00000273353	22989	NM_014981	MYH15
A_33_P3395723	1,46042	1,40119	1,041909521	N/A	392452	NR_102268	LOC392452
A_22_P00024351	1,73764	1,67842	1,041902299	N/A	N/A	BQ720099	Inc-TLE2-1
A_23_P111402	1,69834	1,63913	1,041895077	ENST00000356698	84870	NM_032784	RSPO3
A_33_P3303372	12,2874	12,2282	1,041887855	ENST00000374773	56288	NM_001184792	PARD3
A_22_P00015859	1,67842	1,61922	1,041887855	N/A	N/A	N/A	Inc-TBL1XR1-8
A_22_P00006006	5,91555	5,85635	1,041887855	ENST00000551922	283332	NR_026948	LOC283332
A_33_P3228959	13,6612	13,602	1,041887855	ENST00000329819	65003	NM_016050	MRPL11

A_22_P00000533	4,06726	4,00808	1,041873412	ENST00000445534	N/A	N/A	N/A
A_21_P0001591	1,43423	1,37505	1,041873412	N/A	N/A	N/A	Inc-MPZ-1
A_21_P0012419	1,59263	1,53346	1,04186619	N/A	N/A	N/A	XLOC_I2_010056
A_22_P00003979	1,76264	1,70349	1,041851747	ENST00000564331	N/A	N/A	N/A
A_23_P334246	1,64203	1,58289	1,041844525	ENST00000529851	200558	NM_173545	APLF
A_21_P0008204	1,74144	1,6823	1,041844525	N/A	N/A	N/A	Inc-RNF113B-1
A_23_P17673	1,45376	1,39462	1,041844525	ENST00000270172	29947	NM_013369	DNMT3L
A_22_P00009982	1,57679	1,51765	1,041844525	ENST00000415393	101928782	NR_110836	LOC101928782
A_33_P3780834	1,57681	1,51767	1,041844525	N/A	340090	XR_241819	LOC340090
A_19_P00320924	1,47518	1,41606	1,041830082	ENST00000510165	643401	NR_038848	LINC01021
A_23_P20697	2,52661	2,46749	1,041830082	ENST00000393060	9719	NM_014694	ADAMTSL2
A_33_P3258076	1,62024	1,56113	1,041822861	N/A	100129581	AK125905	LOC100129581
A_22_P00004962	1,45021	1,39111	1,04181564	N/A	100287722	NR_125965	AP4B1-AS1
A_19_P00809335	1,5899	1,5308	1,04181564	ENST00000498712	254778	N/A	C8orf46
A_33_P3275280	1,57973	1,52064	1,041808418	N/A	440742	XR_112030	LOC440742
A_33_P3222007	1,65845	1,59936	1,041808418	ENST00000259362	286362	NM_001001956	OR13C9
A_22_P00015433	1,49982	1,44073	1,041808418	N/A	100874084	NR_046618	KCNAB1-AS1
A_33_P3409815	6,49492	6,43583	1,041808418	N/A	N/A	N/A	N/A
A_22_P00004685	1,63189	1,57282	1,041793976	ENST00000525926	N/A	N/A	N/A
A_22_P00022805	1,43977	1,38073	1,041772313	ENST00000454367	N/A	N/A	N/A
A_32_P107282	1,59769	1,53866	1,041765092	ENST00000376974	646019	NM_001164444	CBY3
A_24_P126210	1,46832	1,4093	1,041757871	ENST00000399784	56246	NM_178817	MRAP
A_21_P0006710	1,94911	1,89009	1,041757871	N/A	N/A	N/A	Inc-SEC23IP-1
A_21_P0013967	1,49342	1,4344	1,041757871	ENST00000593118	100132174	NR_104134	LOC100132174
A_22_P00008386	1,76067	1,70165	1,041757871	N/A	N/A	N/A	Inc-JMJD1C-2
A_33_P3606685	1,43267	1,37367	1,041743429	ENST00000551894	283403	NM_001242696	C12orf80
A_22_P00000831	1,63834	1,57934	1,041743429	ENST00000512527	101928656	NR_108092	LINC01099
A_22_P00016078	1,77709	1,71809	1,041743429	ENST00000444586	N/A	N/A	N/A
A_22_P00022922	1,61871	1,55972	1,041736208	N/A	N/A	N/A	Inc-METTTL11B-2
A_33_P3313855	1,65727	1,59828	1,041736208	ENST00000563557	N/A	AY358233	N/A
A_21_P0004558	1,43176	1,37278	1,041728987	N/A	N/A	N/A	Inc-SGTB-4
A_33_P3378430	9,84918	9,7902	1,041728987	ENST00000275820	64434	NM_138400	NOM1
A_22_P00000737	1,48105	1,42208	1,041721767	N/A	N/A	N/A	Inc-ADAMTSL4-2

A_22_P00002626	5,78048	5,72155	1,041692885	N/A	N/A	BC038543	Inc-C1orf138-1
A_33_P3237110	2,16852	2,10959	1,041692885	ENST00000555369	283554	NM_001099652	GPR137C
A_22_P00015406	1,64166	1,58273	1,041692885	N/A	N/A	N/A	Inc-SRPK2-4
A_22_P00007819	1,61588	1,55695	1,041692885	ENST00000444567	N/A	N/A	N/A
A_33_P3333342	1,62928	1,57036	1,041685664	N/A	401230	XR_425961	FLJ46552
A_33_P3406493	1,63582	1,57691	1,041678444	ENST00000259455	9568	NM_005458	GABBR2
A_21_P0009800	1,47393	1,41503	1,041671223	N/A	N/A	N/A	Inc-AC008686.1-1
A_22_P00009973	1,77853	1,71965	1,041656783	N/A	N/A	N/A	Inc-MKKS-2
A_21_P0005144	1,58612	1,52725	1,041649563	N/A	N/A	N/A	Inc-C6orf70-4
A_21_P0001169	1,46676	1,40789	1,041649563	N/A	N/A	N/A	Inc-GDAP2-1
A_24_P290006	1,62494	1,56608	1,041642343	N/A	100129775	AK094853	LOC100129775
A_22_P00010610	1,59421	1,53535	1,041642343	N/A	N/A	BX113914	Inc-NDUFAF2-1
A_21_P0001335	1,5757	1,51685	1,041635122	N/A	N/A	N/A	Inc-PKN2-1
A_21_P0001898	1,75529	1,69644	1,041635122	ENST00000439893	N/A	N/A	N/A
A_33_P3519250	1,57446	1,51561	1,041635122	ENST00000518676	284434	NM_001290355	NWD1
A_33_P3397608	1,4639	1,40506	1,041627902	N/A	N/A	N/A	N/A
A_22_P00022987	1,70853	1,6497	1,041620682	N/A	N/A	N/A	Inc-BMI1-1
A_22_P00020807	1,48596	1,42713	1,041620682	ENST00000438293	643355	NM_001270945	LOC643355
A_21_P0000647	1,64003	1,58121	1,041613462	ENST00000598736	400696	NR_034156	LGALS17A
A_21_P0009247	1,70161	1,6428	1,041606243	N/A	N/A	N/A	Inc-TMEM99-1
A_32_P539887	1,67292	1,61414	1,041584583	ENST00000427509	103352539	NR_121647	LINC01410
A_22_P00020295	1,71406	1,65528	1,041584583	ENST00000586905	N/A	N/A	N/A
A_22_P00016926	1,5802	1,52143	1,041577363	N/A	N/A	N/A	Inc-TSPAN12-1
A_33_P3358109	1,47387	1,41513	1,041555705	N/A	N/A	N/A	N/A
A_21_P0011927	1,68476	1,62602	1,041555705	N/A	102724482	N/A	LOC102724482
A_22_P00008702	1,64212	1,5834	1,041541266	ENST00000562049	100508631	XR_244604	LOC100508631
A_32_P119197	7,08731	7,02859	1,041541266	ENST00000368533	7170	NM_001043352	TPM3
A_33_P3271226	1,48519	1,42648	1,041534046	ENST00000303059	390154	NM_001004747	OR5T3
A_22_P00002396	1,60943	1,55073	1,041526827	N/A	N/A	N/A	Inc-C14orf102-1
A_22_P00005791	1,63693	1,57823	1,041526827	ENST00000581798	N/A	N/A	N/A
A_24_P254177	10,8902	10,8315	1,041526827	ENST00000397349	79086	NM_024104	SMIM7
A_23_P114952	10,0915	10,0328	1,041526827	ENST00000472411	252839	NM_016456	TMEM9
A_22_P00012663	1,64445	1,58576	1,041519608	N/A	100873986	NR_046596	FGF12-AS1

A_21_P0008494	1,59585	1,53716	1,041519608	N/A	N/A	N/A	Inc-HSP90AA1-3
A_33_P3403162	1,60482	1,54614	1,041512389	ENST00000519171	6570	NM_001142325	SLC18A1
A_21_P0001380	1,43575	1,37708	1,041505169	N/A	N/A	N/A	Inc-NOS1AP-1
A_24_P383459	1,66059	1,60192	1,041505169	ENST00000319945	114804	NM_052916	RNF157
A_22_P00004671	1,60295	1,54429	1,04149795	ENST00000565523	N/A	N/A	N/A
A_33_P3334419	3,52808	3,46944	1,041483512	ENST00000556776	83694	NM_031464	RPS6KL1
A_21_P0011868	1,44705	1,38842	1,041476293	ENST00000427045	101927641	NR_110270	LOC101927641
A_23_P143857	1,63286	1,57423	1,041476293	ENST00000396641	116135	NM_052953	LRRC3B
A_33_P3353230	1,47552	1,4169	1,041469074	ENST00000526438	613211	NM_001302695	DEFB134
A_21_P0004398	1,46132	1,4027	1,041469074	N/A	N/A	N/A	Inc-PLK2-2
A_22_P00008133	1,61085	1,55223	1,041469074	N/A	101927783	XR_246588	LOC101927783
A_32_P199429	1,44878	1,39017	1,041461855	ENST00000400546	4685	AV727525	NCAM2
A_23_P327426	12,1414	12,0828	1,041454636	ENST00000367833	261726	NM_152902	TIPRL
A_21_P0004578	1,61944	1,56084	1,041454636	N/A	N/A	N/A	Inc-NUDCD2-5
A_21_P0006254	1,62692	1,56832	1,041454636	N/A	N/A	N/A	Inc-PTPRD-5
A_23_P149664	12,2221	12,1635	1,041454636	ENST00000367242	653659	NM_001079809	TMEM183B
A_24_P70117	8,95734	8,89875	1,041447418	ENST00000559405	56986	NM_020234	DTWD1
A_22_P00003297	1,64496	1,58637	1,041447418	N/A	100873948	NR_046678	NREP-AS1
A_22_P00013902	5,38609	5,32751	1,041440199	N/A	N/A	N/A	Inc-RPS24-2
A_22_P00010946	1,43718	1,37861	1,04143298	N/A	N/A	N/A	Inc-NR3C2-1
A_24_P59053	1,58384	1,52528	1,041425762	ENST00000390387	N/A	X58814	N/A
A_23_P378926	1,7214	1,66285	1,041418543	ENST00000620793	151	NM_000682	ADRA2B
A_33_P3415888	1,74078	1,68223	1,041418543	ENST00000562915	374739	NM_199046	TEPP
A_33_P3392447	1,62098	1,56243	1,041418543	ENST00000370580	8915	NM_003921	BCL10
A_33_P3241681	1,63611	1,57757	1,041411324	N/A	8999	NM_003948	CDKL2
A_24_P41975	4,73206	4,67352	1,041411324	ENST00000458431	11022	NM_001083965	TDRKH
A_23_P2083	1,45731	1,39878	1,041404106	ENST00000531618	56676	NM_020646	ASCL3
A_21_P0005436	1,73638	1,67786	1,041396888	N/A	N/A	N/A	Inc-CHRM2-2
A_32_P310335	1,57367	1,51515	1,041396888	ENST00000312957	58494	NM_021219	JAM2
A_21_P0006948	1,44454	1,38602	1,041396888	N/A	N/A	N/A	Inc-PITRM1-6
A_23_P4387	2,45617	2,39766	1,041389669	ENST00000264651	192666	NM_019016	KRT24
A_21_P0007733	1,6218	1,56329	1,041389669	N/A	N/A	N/A	Inc-C12orf50-2
A_33_P3235562	1,46266	1,40415	1,041389669	ENST00000375142	832	NM_001206540	CAPZB

A_22_P00021390	1,6228	1,56429	1,041389669	N/A	N/A	BM285382	Inc-IL18R1-1
A_33_P3401084	10,0958	10,0373	1,041382451	N/A	N/A	N/A	N/A
A_21_P0010191	1,44749	1,38901	1,041368014	ENST00000446404	N/A	N/A	N/A
A_22_P00018297	1,43855	1,38009	1,041353578	N/A	N/A	N/A	Inc-ZNF821-1
A_21_P0007118	1,64378	1,58533	1,04134636	N/A	N/A	N/A	Inc-CPXM2-1
A_33_P3323347	7,07195	7,0135	1,04134636	N/A	147687	NM_001297734	ZNF417
A_21_P0007871	1,66428	1,60584	1,041339142	N/A	N/A	N/A	Inc-PRB1-1
A_33_P3511265	1,77209	1,71366	1,041331924	ENST00000473823	10631	NM_006475	POSTN
A_22_P00009003	1,58546	1,52704	1,041324706	ENST00000440858	N/A	N/A	N/A
A_33_P3394833	1,61475	1,55634	1,041317488	N/A	401089	NM_001040061	FOXL2NB
A_23_P125717	1,69531	1,63691	1,04131027	ENST00000373079	4675	NM_004538	NAP1L3
A_23_P305210	1,48007	1,42167	1,04131027	ENST00000309683	340252	NM_178558	ZNF680
A_23_P210091	12,0805	12,0221	1,04131027	ENST00000464789	9913	NM_014860	SUPT7L
A_23_P213199	10,1625	10,1041	1,04131027	ENST00000455208	79982	NM_001031723	DNAJB14
A_21_P0002648	1,57012	1,51173	1,041303052	N/A	102724948	XR_425373	LOC102724948
A_33_P3367860	1,72418	1,66579	1,041303052	ENST00000306960	1128	NM_000738	CHRM1
A_33_P3325643	4,7414	4,68301	1,041303052	ENST00000382045	400941	N/A	LINC00487
A_33_P3295690	4,39564	4,33726	1,041295835	ENST00000437192	646174	NM_001080524	C16orf90
A_23_P306890	8,54214	8,48377	1,041288617	ENST00000585023	11201	NM_007195	POLI
A_21_P0000376	6,16128	6,10291	1,041288617	N/A	692092	NR_003049	SNORD32B
A_33_P3711426	1,48313	1,42476	1,041288617	N/A	100093630	BM926530	SNHG8
A_23_P166884	1,71672	1,65836	1,041281399	ENST00000232461	2779	NM_000172	GNAT1
A_23_P312610	7,66243	7,60407	1,041281399	N/A	3338	BC010145	DNAJC4
A_21_P0004460	1,66704	1,60868	1,041281399	N/A	N/A	N/A	Inc-EBF1-2
A_33_P3272105	1,44564	1,38729	1,041274182	N/A	651430	NR_046264	FLJ38576
A_21_P0005067	1,47868	1,42034	1,041266964	N/A	N/A	N/A	Inc-SHPRH-1
A_22_P00025813	1,61942	1,56108	1,041266964	ENST00000514287	N/A	DA333300	N/A
A_33_P3356245	6,88772	6,82938	1,041266964	ENST00000196489	55659	NM_017879	ZNF416
A_21_P0011233	1,643	1,58466	1,041266964	N/A	N/A	N/A	Inc-GPR183-1
A_22_P00015951	1,58104	1,52271	1,041259747	N/A	N/A	BC035790	Inc-TDRD5-1
A_23_P53450	1,44034	1,38203	1,041245312	ENST00000257974	3888	NM_033033	KRT82
A_32_P489	1,464	1,4057	1,041238095	ENST00000414038	100132735	NR_038399	LOC100132735
A_33_P3335614	1,69888	1,64059	1,041230877	N/A	100128378	NR_027331	LINC00696



A_33_P3297280	1,60079	1,5425	1,041230877	N/A	N/A	N/A	N/A
A_22_P00005180	1,57452	1,51625	1,041216443	ENST00000434418	N/A	N/A	N/A
A_33_P3642648	6,47686	6,4186	1,041209226	N/A	10794	NM_006635	ZNF460
A_23_P13548	1,57227	1,51401	1,041209226	ENST00000376332	25884	AF332891	CHRDL2
A_22_P00024356	1,7369	1,67866	1,041194792	ENST00000437803	N/A	N/A	N/A
A_21_P0011673	1,70511	1,64687	1,041194792	N/A	N/A	N/A	XLOC_I2_006594
A_23_P86540	1,70239	1,64416	1,041187575	ENST00000298032	219681	NM_173081	ARMC3
A_22_P00000770	1,67243	1,61421	1,041180358	ENST00000579835	N/A	DR156097	N/A
A_24_P178819	1,64972	1,5915	1,041180358	ENST00000390437	N/A	AY135834	N/A
A_21_P0009688	1,56784	1,50962	1,041180358	N/A	N/A	N/A	Inc-TPM4-2
A_21_P0010744	18,8092	18,751	1,041165924	ENST00000445817	6222	NM_022551	RPS18
A_23_P55586	1,63888	1,58069	1,041158707	ENST00000536675	28316	NM_031891	CDH20
A_22_P00021132	1,61559	1,5574	1,041158707	ENST00000442478	101930747	N/A	LINC00380
A_21_P0009756	1,57732	1,51914	1,04115149	N/A	N/A	N/A	Inc-UQCRFS1-5
A_24_P355057	1,61993	1,56175	1,04115149	ENST00000194130	6561	NM_022444	SLC13A1
A_21_P0004964	1,45177	1,39361	1,041137057	N/A	N/A	N/A	Inc-FNDC1-2
A_24_P397435	1,74766	1,68951	1,04112984	ENST00000621716	6531	NM_001044	SLC6A3
A_21_P0004386	1,6836	1,62545	1,04112984	N/A	N/A	N/A	Inc-MOCS2-2
A_22_P00003905	1,46611	1,40797	1,041122624	ENST00000545912	N/A	N/A	N/A
A_21_P0006846	1,63059	1,57246	1,041115407	N/A	N/A	N/A	Inc-BAMBI-1
A_21_P0000843	1,64053	1,5824	1,041115407	ENST00000500695	100507250	NR_038930	LOC100507250
A_19_P00321781	7,52863	7,4705	1,041115407	ENST00000554129	100506499	BC067360	LOC100506499
A_21_P0003310	1,62007	1,56196	1,041100975	N/A	N/A	N/A	Inc-CRYGS-1
A_21_P0005245	1,61591	1,5578	1,041100975	ENST00000448260	N/A	N/A	N/A
A_21_P0008635	1,50081	1,4427	1,041100975	ENST00000569661	N/A	N/A	N/A
A_33_P3360296	2,01035	1,95225	1,041093758	ENST00000622632	195977	NM_001278688	ANTXRL
A_21_P0014181	1,61885	1,56075	1,041093758	N/A	102723953	XR_426129	LOC102723953
A_23_P403588	1,621	1,5629	1,041093758	ENST00000305481	55031	NM_017944	USP47
A_23_P88731	12,107	12,0489	1,041093758	ENST00000525066	5888	NM_002875	RAD51
A_21_P0012671	1,71901	1,66092	1,041086542	N/A	101928987	N/A	LOC101928987
A_22_P00016282	1,67571	1,61762	1,041086542	N/A	N/A	BG211882	Inc-TMEM126B-1
A_23_P300600	1,62979	1,5717	1,041086542	ENST00000310624	4744	NM_021076	NEFH
A_22_P00015240	1,57115	1,51307	1,041079326	ENST00000519566	N/A	N/A	N/A

A_33_P3364849	1,56779	1,50971	1,041079326	ENST00000417646	N/A	N/A	N/A
A_21_P0007091	1,44777	1,38969	1,041079326	N/A	N/A	N/A	Inc-PITRM1-2
A_22_P00021737	1,46142	1,40335	1,04107211	ENST00000414965	N/A	N/A	N/A
A_21_P0007053	1,58637	1,52832	1,041057677	N/A	N/A	N/A	Inc-BAMBI-1
A_22_P00011702	1,65699	1,59894	1,041057677	N/A	N/A	N/A	Inc-PDSS2-1
A_33_P3354137	16,6623	16,6043	1,041021598	ENST00000360240	4134	NM_030885	MAP4
A_22_P00001967	1,48347	1,42548	1,041014382	N/A	N/A	N/A	Inc-BCAN-1
A_22_P00000167	1,62641	1,56842	1,041014382	N/A	100188954	NR_024130	DNMBP-AS1
A_21_P0006665	1,76222	1,70423	1,041014382	ENST00000450581	N/A	N/A	N/A
A_33_P3373348	1,64806	1,59008	1,041007166	ENST00000483600	3899	N/A	AFF3
A_23_P356677	1,4921	1,43412	1,041007166	ENST00000539869	10846	NM_001130690	PDE10A
A_33_P3250173	1,61539	1,55743	1,040992735	ENST00000451172	654502	NM_001042705	IQCJ
A_23_P157895	1,56992	1,51198	1,040978304	ENST00000190165	58524	NM_021240	DMRT3
A_22_P00005348	1,62825	1,57031	1,040978304	ENST00000457405	N/A	N/A	N/A
A_24_P365349	1,78114	1,72321	1,040971088	ENST00000391767	59284	NM_031896	CACNG7
A_33_P3355468	1,75565	1,69772	1,040971088	N/A	100128006	NR_104607	LOC100128006
A_22_P00022497	1,48446	1,42653	1,040971088	N/A	N/A	AK092440	Inc-FAM129B-1
A_21_P0006593	1,71704	1,65912	1,040963873	ENST00000439525	100873964	NR_046505	LINC00280
A_21_P0005736	1,5019	1,44398	1,040963873	N/A	N/A	N/A	Inc-PTDSS1-2
A_32_P160563	1,4568	1,39889	1,040956657	ENST00000524381	4978	NM_001012393	OPCML
A_23_P31844	11,1264	11,0685	1,040949442	ENST00000523482	526	NM_001693	ATP6V1B2
A_22_P00015837	1,44984	1,39194	1,040949442	N/A	N/A	BC035412	Inc-TBC1D8-1
A_23_P169409	14,6337	14,5758	1,040949442	ENST00000297613	138716	NM_148179	RPP25L
A_23_P392738	1,47058	1,41269	1,040942227	ENST00000382510	57055	NM_001005785	DAZZ
A_22_P00022383	1,57303	1,51514	1,040942227	N/A	N/A	N/A	Inc-HLA-DQA1-5
A_21_P0004243	1,60431	1,54642	1,040942227	N/A	N/A	N/A	Inc-PTGER4-1
A_22_P00023722	1,63239	1,5745	1,040942227	ENST00000548199	N/A	N/A	N/A
A_24_P852756	1,61676	1,55888	1,040935012	ENST00000546801	3118	NM_020056	HLA-DQA2
A_23_P160004	1,48809	1,43022	1,040927796	ENST00000623852	7404	NM_182660	UTY
A_21_P0011096	1,44672	1,38886	1,040920581	N/A	N/A	N/A	XLOC_I2_003400
A_23_P256821	1,67786	1,62001	1,040913366	ENST00000400960	1378	NM_000651	CR1
A_24_P417664	1,61412	1,55629	1,040898936	ENST00000469549	387707	XM_006717833	CC2D2B
A_21_P0006719	1,56708	1,50925	1,040898936	ENST00000418524	N/A	N/A	N/A

A_21_P0011421	1,64518	1,58735	1,040898936	N/A	N/A	N/A	XLOC_I2_005152
A_22_P00002052	1,43116	1,37334	1,040891721	N/A	N/A	N/A	Inc-BIN1-3
A_21_P0005064	1,46918	1,41137	1,040884506	N/A	N/A	N/A	Inc-CITED2-1
A_21_P0006973	1,63629	1,57849	1,040877291	N/A	N/A	N/A	Inc-NMT2-1
A_22_P00000713	1,5711	1,5133	1,040877291	ENST00000503757	101929153	NR_104619	LOC101929153
A_33_P3559138	14,0898	14,032	1,040877291	ENST00000453784	N/A	AK124194	N/A
A_22_P00017955	1,61707	1,55929	1,040862862	N/A	100861542	NR_047483	LINC00554
A_33_P3389802	1,77818	1,7204	1,040862862	ENST00000585297	101928235	XR_248321	LOC101928235
A_22_P00022389	1,64469	1,58692	1,040855647	ENST00000567261	N/A	N/A	N/A
A_21_P0004814	1,63006	1,57231	1,040841218	N/A	N/A	N/A	Inc-FOXF2-1
A_21_P0004368	1,63099	1,57324	1,040841218	N/A	N/A	N/A	Inc-CDH10-2
A_21_P0004127	1,56672	1,50897	1,040841218	ENST00000510349	N/A	N/A	N/A
A_24_P74559	1,48376	1,42602	1,040834003	ENST00000457992	27128	NM_013385	CYTH4
A_21_P0014540	1,65637	1,59864	1,040826789	N/A	N/A	N/A	N/A
A_33_P3210258	1,44369	1,38596	1,040826789	ENST00000390345	N/A	N/A	N/A
A_22_P00013945	1,44768	1,38996	1,040819575	ENST00000577041	400500	NR_024050	BCAR4
A_33_P3389291	1,757	1,69928	1,040819575	ENST00000352903	374618	NM_001286449	TEX9
A_33_P3339021	1,5028	1,44509	1,04081236	ENST00000463200	255025	N/A	LINC00879
A_33_P3237704	8,6563	8,5986	1,040805146	N/A	N/A	N/A	N/A
A_33_P3414922	1,43613	1,37843	1,040805146	N/A	N/A	BC070144	N/A
A_22_P00011068	5,42362	5,36593	1,040797932	N/A	N/A	N/A	Inc-NUAK1-2
A_33_P3365082	1,45273	1,39505	1,040790717	ENST00000343414	391211	NM_001013355	OR2G6
A_24_P156635	1,74096	1,68328	1,040790717	ENST00000367639	84066	NM_032126	TEX35
A_22_P00001015	1,44423	1,38655	1,040790717	N/A	N/A	N/A	Inc-AL360004.1-2
A_23_P127107	1,44335	1,38569	1,040776289	ENST00000368671	119467	NM_152311	CLRN3
A_33_P3278013	1,64224	1,58459	1,040769075	ENST00000369477	914	N/A	CD2
A_21_P0007710	1,47621	1,41856	1,040769075	N/A	N/A	N/A	Inc-CALCOCO1-1
A_33_P3385755	1,71056	1,65291	1,040769075	N/A	N/A	N/A	N/A
A_21_P0012082	1,44486	1,38722	1,040761861	ENST00000614900	N/A	N/A	N/A
A_22_P00004034	1,49687	1,43924	1,040754647	ENST00000448365	N/A	AK094915	N/A
A_21_P0005423	1,45202	1,3944	1,040747433	N/A	102724577	XR_426238	LOC102724577
A_22_P00010496	1,66307	1,60545	1,040747433	N/A	10408	NR_026766	MYCNOS
A_22_P00000310	1,70231	1,64469	1,040747433	ENST00000426527	N/A	N/A	N/A

A_19_P00316544	1,569	1,5114	1,040733005	ENST00000513273	102467213	NR_104671	LOC102467213
A_33_P6433406	18,3742	18,3166	1,040733005	ENST00000217185	5753	NM_005975	PTK6
A_22_P00019463	1,61223	1,55464	1,040725791	ENST00000418416	N/A	N/A	N/A
A_33_P3376872	1,49999	1,4424	1,040725791	ENST00000374666	23436	NM_007352	CELA3B
A_24_P42066	4,39351	4,33594	1,040711364	ENST00000617623	2679	NR_003267	GGT3P
A_21_P0007518	1,71177	1,6542	1,040711364	N/A	N/A	N/A	Inc-PLEKHG6-3
A_33_P3388564	2,80068	2,74312	1,04070415	ENST00000574357	124637	NM_144607	CYB5D1
A_22_P00000419	6,24784	6,19028	1,04070415	N/A	100874214	NR_121665	TM4SF19-AS1
A_33_P3298398	1,45122	1,39368	1,040689723	N/A	N/A	N/A	N/A
A_33_P3302777	1,75429	1,69677	1,040675296	ENST00000379892	9201	NM_004734	DCLK1
A_22_P00014181	1,64263	1,58511	1,040675296	ENST00000444465	90632	NR_026861	LINC00473
A_23_P319626	1,49571	1,43819	1,040675296	ENST00000359227	1995	NM_001420	ELAVL3
A_22_P00003942	1,5675	1,50998	1,040675296	N/A	N/A	BX102427	Inc-CHAC1-4
A_22_P00008679	1,63714	1,57963	1,040668083	N/A	N/A	N/A	Inc-KIAA0913-2
A_21_P0008847	1,46228	1,40478	1,04066087	N/A	102724553	XR_424631	LOC102724553
A_21_P0011886	1,72554	1,66804	1,04066087	ENST00000443866	728763	N/A	LOC728763
A_22_P00004200	1,66406	1,60656	1,04066087	ENST00000298912	79789	NM_024734	CLMN
A_22_P00025870	1,64746	1,58996	1,04066087	ENST00000456938	N/A	BC026193	N/A
A_22_P00017498	15,2484	15,1909	1,04066087	N/A	N/A	N/A	Inc-VWF-2
A_22_P00009775	1,56978	1,51229	1,040653656	N/A	N/A	N/A	Inc-MED13L-3
A_22_P00014237	2,15702	2,09954	1,040646443	ENST00000556144	N/A	N/A	N/A
A_22_P00006186	4,0409	3,98342	1,040646443	N/A	N/A	AK092443	Inc-FAM211A-3
A_21_P0002989	1,46485	1,40738	1,04063923	N/A	N/A	N/A	Inc-CADM2-4
A_22_P00020468	2,01805	1,9606	1,040624804	N/A	100874068	NR_046541	GRTP1-AS1
A_21_P0005291	1,50188	1,44443	1,040624804	N/A	N/A	N/A	Inc-RP9-1
A_22_P00015266	1,48706	1,42961	1,040624804	N/A	N/A	BE794381	Inc-SPANXN4-1
A_21_P0012534	1,65222	1,59479	1,040610378	N/A	101927394	N/A	LOC101927394
A_21_P0002028	1,47282	1,4154	1,040603165	ENST00000430429	N/A	N/A	N/A
A_33_P3253179	1,57383	1,51641	1,040603165	N/A	N/A	N/A	N/A
A_21_P0009607	1,4424	1,38498	1,040603165	N/A	N/A	N/A	Inc-WDR7-4
A_22_P00000547	1,8501	1,7927	1,040588739	N/A	N/A	N/A	Inc-AC115618.1-1
A_33_P3363290	1,45544	1,39804	1,040588739	N/A	N/A	N/A	N/A
A_22_P00001653	1,47383	1,41644	1,040581526	N/A	102723320	NR_120374	CERS3-AS1

A_23_P346813	1,62458	1,56719	1,040581526	ENST00000518291	5063	NM_002578	PAK3
A_21_P0006298	1,632	1,57462	1,040574313	N/A	N/A	N/A	Inc-TSTD2-3
A_21_P0009041	1,42797	1,3706	1,040567101	N/A	N/A	N/A	Inc-RP11-105C20.2.1-2
A_21_P0012604	1,59391	1,53655	1,040559888	N/A	N/A	N/A	XLOC_I2_010772
A_21_P0008822	1,62612	1,56878	1,040545463	N/A	102724283	XR_429515	LOC102724283
A_22_P00002830	1,57838	1,52104	1,040545463	ENST00000491538	129852	N/A	C2orf73
A_21_P0008600	1,61484	1,5575	1,040545463	N/A	N/A	N/A	Inc-C15orf2-2
A_33_P3418681	1,68158	1,62425	1,040538251	ENST00000261917	10021	NM_005477	HCN4
A_23_P210835	1,50396	1,44663	1,040538251	ENST00000536311	4661	NM_004535	MYT1
A_21_P0004897	1,43738	1,38006	1,040531038	N/A	N/A	N/A	Inc-OGFRL1-3
A_21_P0004394	1,44291	1,38559	1,040531038	N/A	N/A	N/A	Inc-CTC-236F12.4.1-3
A_21_P0007160	1,80463	1,74733	1,040516613	ENST00000511013	101928443	NR_120529	LOC101928443
A_21_P0003353	1,58074	1,52344	1,040516613	ENST00000512170	N/A	N/A	N/A
A_33_P3303245	1,47566	1,41837	1,040509401	ENST00000288135	3815	NM_001093772	KIT
A_33_P3374907	1,57878	1,5215	1,040502189	ENST00000432204	N/A	N/A	N/A
A_33_P3418597	9,56996	9,51269	1,040494977	ENST00000618518	10634	NM_152236	GAS2L1
A_21_P0001814	1,78027	1,723	1,040494977	ENST00000456327	N/A	N/A	N/A
A_22_P00016706	1,46901	1,41174	1,040494977	N/A	N/A	N/A	Inc-TRAF6-1
A_22_P00000296	1,62414	1,56688	1,040487765	N/A	100506937	XR_108820	LOC100506937
A_22_P00000544	1,74346	1,68621	1,040480552	N/A	N/A	N/A	Inc-AC114947.1.1-1
A_22_P00015298	1,4315	1,37426	1,04047334	N/A	N/A	N/A	Inc-SPG11-3
A_22_P00009692	1,64456	1,58732	1,04047334	ENST00000424083	N/A	N/A	N/A
A_23_P119611	3,05089	2,99366	1,040466128	ENST00000270310	53822	NM_022006	FXYP7
A_21_P0003544	1,56626	1,50904	1,040458916	ENST00000503093	N/A	N/A	N/A
A_23_P396115	1,78938	1,73216	1,040458916	ENST00000376909	280658	NM_173358	SSX7
A_23_P19691	14,5469	14,4897	1,040444493	ENST00000607197	23593	NM_014320	HEBP2
A_21_P0007746	1,46412	1,40692	1,040444493	N/A	N/A	N/A	Inc-CDK17-4
A_23_P58353	14,4683	14,4111	1,040444493	ENST00000352301	3184	NM_031370	HNRNP
A_22_P00001920	1,57406	1,51686	1,040444493	ENST00000562989	N/A	BC041936	N/A
A_23_P137948	12,41	12,3528	1,040444493	ENST00000473900	29937	NM_013349	NENF
A_32_P96134	8,33264	8,27545	1,040437281	ENST00000608314	23333	NM_015283	DPY19L1
A_33_P3345737	1,65389	1,59671	1,040430069	N/A	101928436	N/A	LOC101928436
A_33_P3508541	1,6444	1,58722	1,040430069	ENST00000592572	400622	XR_243762	LOC400622

A_22_P00021751	1,47295	1,41578	1,040422858	ENST00000445784	N/A	AL137642	N/A
A_22_P00002010	1,63427	1,57714	1,040394011	ENST00000445908	N/A	N/A	N/A
A_21_P0002509	1,56771	1,51058	1,040394011	N/A	N/A	N/A	Inc-NXP2-2
A_22_P00016697	1,64205	1,58493	1,0403868	ENST00000412828	N/A	BX091427	N/A
A_21_P0001560	1,76959	1,71248	1,040379588	N/A	N/A	N/A	Inc-OLFM3-1
A_22_P00012939	1,60994	1,55283	1,040379588	N/A	N/A	N/A	Inc-RD3-1
A_23_P217120	10,3383	10,2812	1,040372377	ENST00000475564	79813	NM_024757	EHMT1
A_21_P0003711	1,60787	1,55077	1,040372377	ENST00000382882	N/A	N/A	N/A
A_33_P3362143	7,40465	7,34755	1,040372377	N/A	284900	NR_026962	TTC28-AS1
A_22_P00023508	1,42815	1,37106	1,040365166	ENST00000548215	N/A	N/A	N/A
A_24_P938433	1,45088	1,3938	1,040357955	ENST00000492307	N/A	N/A	N/A
A_22_P00012466	3,80349	3,74642	1,040350743	N/A	N/A	N/A	Inc-PRR15L-4
A_23_P94754	1,6175	1,56043	1,040350743	ENST00000374044	9966	NM_005118	TNFSF15
A_32_P394491	1,66669	1,60963	1,040343532	N/A	645591	NR_034141	LHFPL3-AS1
A_21_P0008269	1,56429	1,50723	1,040343532	ENST00000514902	100131366	NR_033938	LINC00605
A_21_P0000767	1,70483	1,64777	1,040343532	N/A	100505540	NR_038330	SLIT1-AS1
A_22_P00016945	1,61244	1,55538	1,040343532	ENST00000445253	252954	NR_001539	TTY2
A_22_P00001623	1,47823	1,42117	1,040343532	N/A	N/A	N/A	Inc-ASAH2B-4
A_21_P0007701	1,56851	1,51145	1,040343532	N/A	101930164	XR_429125	LOC101930164
A_22_P00003456	1,64059	1,58353	1,040343532	ENST00000551856	N/A	N/A	N/A
A_21_P0008106	1,67145	1,61441	1,04032911	N/A	N/A	N/A	Inc-CLDN10-1
A_21_P0005715	1,56516	1,50812	1,04032911	ENST00000520259	101926892	NR_110653	LOC101926892
A_22_P00011703	1,44751	1,39047	1,04032911	N/A	N/A	N/A	Inc-PDSS2-2
A_21_P0006018	1,68841	1,63137	1,04032911	ENST00000422909	N/A	N/A	N/A
A_33_P3300858	1,56529	1,50825	1,04032911	ENST00000313472	390152	NM_001005201	OR8H3
A_33_P3285032	1,67401	1,61699	1,040314688	ENST00000360759	26496	NM_001003745	OR10A3
A_21_P0009812	1,7201	1,66309	1,040307477	N/A	N/A	N/A	Inc-NCOA3-7
A_23_P70480	14,4631	14,4061	1,040300267	N/A	8368	NM_003546	HIST1H4L
A_22_P00020165	4,52708	4,47009	1,040293056	N/A	N/A	N/A	Inc-CTSZ-1
A_33_P3227329	1,96939	1,9124	1,040293056	ENST00000330258	139285	NM_152424	AMER1
A_33_P3846114	1,76151	1,70452	1,040293056	ENST00000448597	286442	NR_038968	LINC01281
A_21_P0005018	1,44457	1,38758	1,040293056	N/A	N/A	N/A	Inc-OR2W1-1
A_21_P0004162	1,58744	1,53046	1,040285845	N/A	N/A	N/A	Inc-GIN1-1

A_21_P0011425	1,48335	1,42637	1,040285845	N/A	N/A	N/A	XLOC_I2_005179
A_21_P0013678	1,61619	1,55921	1,040285845	N/A	N/A	N/A	XLOC_I2_015306
A_33_P3394040	8,99967	8,94269	1,040285845	ENST00000405384	64225	NM_022374	ATL2
A_23_P210496	9,95143	9,89445	1,040285845	ENST00000372409	63935	NM_022104	PCIF1
A_22_P00000942	1,73888	1,68191	1,040278634	ENST00000428920	N/A	N/A	N/A
A_33_P3414917	1,6935	1,63653	1,040278634	ENST00000623935	N/A	AK056229	N/A
A_22_P00003437	1,58901	1,53205	1,040271424	N/A	100862662	NR_046383	ALDH1L1-AS2
A_22_P00015602	1,67425	1,61729	1,040271424	N/A	N/A	BC020420	Inc-STXBP6-2
A_21_P0010533	1,47147	1,41451	1,040271424	ENST00000436262	N/A	N/A	N/A
A_33_P3391005	7,58066	7,5237	1,040271424	ENST00000382850	23327	NM_001144967	NEDD4L
A_21_P0001360	4,19221	4,13526	1,040264213	N/A	N/A	N/A	Inc-PRMT6-2
A_33_P3303857	1,63352	1,57657	1,040264213	ENST00000368055	114836	NM_001184714	SLAMF6
A_21_P0012028	1,56346	1,50652	1,040257003	ENST00000414256	401014	N/A	TEX41
A_22_P00006434	1,57302	1,51609	1,040249792	ENST00000417654	N/A	N/A	N/A
A_21_P0003446	1,65162	1,5947	1,040242582	ENST00000504402	730971	N/A	FLJ36777
A_22_P00018484	1,58564	1,52873	1,040235371	N/A	N/A	CD673702	Inc-AC073348.1-1
A_24_P927614	1,5821	1,52519	1,040235371	ENST00000524977	N/A	AY358247	N/A
A_21_P0014641	1,44025	1,38335	1,040228161	N/A	101929315	XR_426291	LOC101929315
A_23_P98565	1,56769	1,51081	1,04021374	ENST00000525397	84689	NM_032597	MS4A14
A_21_P0006760	1,69435	1,63748	1,04020653	N/A	100506769	N/A	C10orf71-AS1
A_22_P00008621	1,43942	1,38255	1,04020653	N/A	N/A	N/A	Inc-KDM6A-1
A_21_P0001710	1,44787	1,391	1,04020653	N/A	N/A	N/A	Inc-NAV1-1
A_24_P63019	1,46188	1,40503	1,04019211	ENST00000457817	7850	NM_004633	IL1R2
A_33_P3412335	1,62617	1,56932	1,04019211	N/A	100128356	AY423624	LOC100128356
A_33_P3402404	1,67879	1,62195	1,0401849	ENST00000392770	55800	NM_018400	SCN3B
A_19_P00321390	1,59424	1,5374	1,0401849	ENST00000602621	100422737	NR_033557	LOC100422737
A_22_P00013752	1,73515	1,67831	1,0401849	ENST00000521906	389676	N/A	C8orf87
A_21_P0013068	1,93013	1,87331	1,04017048	N/A	101928743	XR_241992	LOC101928743
A_22_P00005164	1,61989	1,56307	1,04017048	ENST00000554307	N/A	N/A	N/A
A_22_P00009125	4,72148	4,66467	1,04016327	ENST00000524012	N/A	XR_133485	N/A
A_21_P0003180	2,90006	2,84326	1,04015606	N/A	N/A	N/A	Inc-MSL2-1
A_21_P0003218	1,60831	1,55151	1,04015606	N/A	N/A	N/A	Inc-GALNTL2-1
A_23_P131365	13,5046	13,4478	1,04015606	ENST00000449699	4719	NM_005006	NDUFS1

A_22_P00019482	1,62765	1,57088	1,040134431	ENST00000509416	N/A	N/A	N/A
A_21_P0002791	1,47026	1,41351	1,040120012	ENST00000498413	104310350	N/A	LINC01327
A_21_P0011299	6,56649	6,50974	1,040120012	N/A	N/A	N/A	XLOC_I2_004595
A_33_P3357382	8,18377	8,12703	1,040112802	ENST00000485040	23126	BC057773	POGZ
A_23_P131875	1,65588	1,59914	1,040112802	ENST00000457363	140731	XM_006710087	ANKRD60
A_22_P00024959	1,63338	1,57664	1,040112802	ENST00000432599	N/A	N/A	N/A
A_21_P0003500	1,65632	1,59959	1,040105593	ENST00000506852	N/A	N/A	N/A
A_22_P00015756	1,63524	1,57852	1,040098383	N/A	102725524	XR_424911	LOC102725524
A_21_P0004059	1,42838	1,37166	1,040098383	ENST00000507428	102546228	NR_105042	LOC102546228
A_21_P0011023	1,65933	1,60261	1,040098383	ENST00000511073	N/A	N/A	N/A
A_23_P2077	1,4402	1,38348	1,040098383	ENST00000611380	256144	NM_001004702	OR4C3
A_33_P3387656	1,70022	1,64351	1,040091174	N/A	N/A	N/A	N/A
A_21_P0006291	1,7373	1,6806	1,040083965	N/A	340515	N/A	LINC01501
A_21_P0001975	1,44091	1,38421	1,040083965	ENST00000431435	N/A	N/A	N/A
A_33_P3359483	1,43928	1,38258	1,040083965	ENST00000358642	81050	NM_054106	OR5AC2
A_22_P00004751	1,607	1,55031	1,040076755	ENST00000504911	N/A	N/A	N/A
A_22_P00007535	1,64007	1,58338	1,040076755	ENST00000522134	N/A	N/A	N/A
A_22_P00012949	4,59049	4,53381	1,040069546	ENST00000534252	N/A	N/A	N/A
A_23_P94397	1,72533	1,66865	1,040069546	ENST00000375550	4958	NM_005014	OMD
A_22_P00016434	1,64602	1,58935	1,040062337	N/A	N/A	N/A	Inc-TMEM38B-1
A_21_P0003745	1,60521	1,54855	1,040055128	N/A	N/A	N/A	Inc-TECRL-1
A_33_P3366261	1,60622	1,54956	1,040055128	N/A	649133	NR_038829	LOC649133
A_33_P3401307	1,72359	1,66694	1,040047919	N/A	643441	NR_038846	LOC643441
A_33_P3223142	1,6658	1,60916	1,04004071	N/A	N/A	N/A	N/A
A_23_P375419	1,61794	1,5613	1,04004071	ENST00000489226	158248	NM_144965	TTC16
A_21_P0010065	1,43345	1,37683	1,040026292	N/A	N/A	N/A	Inc-BMP7-2
A_21_P0010475	3,88642	3,82981	1,040019083	N/A	N/A	N/A	Inc-XBP1-1
A_23_P111662	1,42561	1,36901	1,040011874	ENST00000258738	340273	NM_178559	ABCB5
A_33_P3395081	1,44763	1,39104	1,040004665	ENST00000331849	54988	N/A	ACSM5
A_24_P297816	1,49576	1,43918	1,039997456	ENST00000538893	221458	NM_145027	KIF6
A_22_P00000328	1,63684	1,58027	1,039990248	N/A	N/A	N/A	Inc-AC012123.1.1-1
A_22_P00009908	1,48016	1,4236	1,039983039	ENST00000420184	N/A	BX103106	N/A
A_33_P3343552	5,95519	5,89864	1,039975831	ENST00000391983	11132	NM_023085	CAPN10



A_22_P00024549	1,42669	1,37014	1,039975831	N/A	N/A	N/A	Inc-MRPS27-2
A_23_P379657	1,63137	1,57482	1,039975831	ENST00000464349	148581	NM_152489	UBE2U
A_22_P00024649	1,6579	1,60136	1,039968622	N/A	N/A	N/A	Inc-NAA50-3
A_22_P00016382	1,43127	1,37473	1,039968622	N/A	N/A	N/A	Inc-TMEM183A-1
A_22_P00005711	1,57125	1,51471	1,039968622	N/A	101928191	NR_125851	LOC101928191
A_21_P0010436	1,61116	1,55462	1,039968622	N/A	N/A	N/A	Inc-LARGE-2
A_22_P00013005	1,56253	1,506	1,039961414	N/A	N/A	N/A	Inc-RFXAP-1
A_21_P0012124	1,70471	1,64818	1,039961414	N/A	N/A	N/A	XLOC_I2_008624
A_21_P0006281	1,43009	1,37357	1,039954205	N/A	N/A	N/A	Inc-GNAQ-1
A_23_P111381	10,3817	10,3252	1,039939788	ENST00000360666	9474	NM_004849	ATG5
A_33_P3298492	14,8406	14,7841	1,039939788	ENST00000550733	5094	NM_005016	PCBP2
A_33_P3226420	1,73169	1,67519	1,039939788	ENST00000474872	91543	XM_006710126	RSAD2
A_22_P00010296	1,64366	1,58717	1,03993258	ENST00000505784	N/A	N/A	N/A
A_22_P00007853	1,97031	1,91382	1,03993258	ENST00000583794	N/A	DA193375	N/A
A_33_P3345108	5,38632	5,32984	1,039925372	N/A	N/A	N/A	N/A
A_33_P3274514	1,72617	1,66969	1,039925372	ENST00000390444	N/A	KM004839	N/A
A_24_P51118	1,62086	1,56439	1,039918164	ENST00000580675	4507	NM_002451	MTAP
A_22_P00013694	1,77827	1,7218	1,039918164	ENST00000522408	N/A	N/A	N/A
A_33_P3245883	1,47802	1,42155	1,039918164	ENST00000611135	390443	NM_001110359	RNASE9
A_23_P167841	3,68746	3,631	1,039910956	ENST00000355635	56479	NM_019842	KCNQ5
A_33_P3256972	1,70073	1,64427	1,039910956	ENST00000374667	10880	NM_006686	ACTL7B
A_21_P0012904	1,51151	1,45505	1,039910956	N/A	102723839	N/A	LOC102723839
A_24_P316601	1,46748	1,41104	1,039896539	ENST00000375851	286223	NM_001001938	C9orf47
A_33_P3273604	1,48499	1,42855	1,039896539	N/A	N/A	N/A	Inc-FNBP1L-1
A_24_P400130	1,64926	1,59284	1,039882123	ENST00000621162	337878	NM_181606	KRTAP7-1
A_23_P99515	1,69491	1,6385	1,039874916	ENST00000380482	84935	NM_032849	MEDAG
A_24_P303974	12,0149	11,9585	1,039867708	ENST00000498747	8872	NM_006023	CDC123
A_24_P400473	10,8065	10,7501	1,039867708	ENST00000469537	9673	NM_014655	SLC25A44
A_24_P187970	1,6861	1,62971	1,0398605	ENST00000375481	11240	NM_007365	PADI2
A_21_P0001896	1,64615	1,58979	1,039838877	ENST00000443833	N/A	N/A	N/A
A_22_P00014025	1,60861	1,55225	1,039838877	ENST00000570082	N/A	N/A	N/A
A_33_P3326962	1,46305	1,40669	1,039838877	ENST00000495375	2168	BX641099	FABP1
A_23_P129085	1,59907	1,54271	1,039838877	ENST00000310673	246777	NM_145658	SPESP1

A_21_P0001500	1,43916	1,38282	1,039824462	N/A	N/A	N/A	Inc-SPATA6-1
A_23_P24835	1,47397	1,41764	1,039817254	ENST00000529816	5741	NM_000315	PTH
A_23_P318616	1,62606	1,56974	1,039810047	ENST00000543818	654429	NM_001039029	LRTM2
A_33_P3275362	1,63885	1,58253	1,039810047	ENST00000491993	405753	BX537581	DUOXA2
A_22_P00008646	1,6411	1,58479	1,039802839	N/A	N/A	N/A	Inc-KIAA0087-2
A_21_P0006777	1,64247	1,58616	1,039802839	ENST00000428166	N/A	N/A	N/A
A_33_P3367565	11,845	11,7887	1,039795632	N/A	23048	XM_005251815	FNBP1
A_22_P00018408	1,57454	1,51824	1,039795632	ENST00000446364	N/A	N/A	N/A
A_22_P00017081	1,57994	1,52364	1,039795632	N/A	N/A	N/A	Inc-TWIST1-2
A_22_P00006774	1,6062	1,54991	1,039788425	ENST00000557723	N/A	N/A	N/A
A_21_P0003006	1,56161	1,50532	1,039788425	N/A	N/A	N/A	Inc-CCDC54-2
A_22_P00010542	1,72302	1,66673	1,039788425	ENST00000521051	N/A	N/A	N/A
A_22_P00023913	1,45475	1,39847	1,039781218	ENST00000561261	N/A	N/A	N/A
A_22_P00019987	1,44499	1,38872	1,03977401	N/A	101927465	NR_046525	CLYBL-AS1
A_21_P0007688	1,48319	1,42693	1,039766803	ENST00000412084	100506159	NR_104634	LOC100506159
A_24_P339429	1,44131	1,38506	1,039759596	ENST00000583088	3768	NM_021012	KCNJ12
A_22_P00000945	1,61756	1,56132	1,039752389	N/A	100130880	NM_001243523	LOC100130880
A_23_P421436	1,64414	1,58791	1,039745182	ENST00000407644	119	NM_017488	ADD2
A_23_P214360	1,44553	1,3893	1,039745182	ENST00000380956	3662	NM_002460	IRF4
A_33_P3278078	1,59192	1,53569	1,039745182	N/A	N/A	N/A	N/A
A_22_P00021166	1,45017	1,39394	1,039745182	N/A	100873942	NR_046639	PHEX-AS1
A_33_P3352088	1,42591	1,36968	1,039745182	ENST00000477275	282973	NM_001105521	JAKMIP3
A_21_P0003739	1,57594	1,51971	1,039745182	N/A	N/A	N/A	Inc-AC021860.1-4
A_22_P00024696	1,71021	1,65398	1,039745182	N/A	N/A	N/A	Inc-DTWD1-2
A_23_P202053	1,58671	1,53049	1,039737975	ENST00000613369	3698	NM_002216	ITIH2
A_33_P3240094	1,58503	1,52881	1,039737975	ENST00000409079	25791	BC073962	NGEF
A_21_P0009785	1,63831	1,5821	1,039730768	ENST00000588694	100996665	NR_110673	LINC01533
A_22_P00005744	1,65323	1,59702	1,039730768	N/A	N/A	N/A	Inc-EMX2-3
A_24_P204144	17,7913	17,7351	1,039723561	ENST00000314255	N/A	N/A	N/A
A_32_P7823	10,0781	10,0219	1,039723561	ENST00000622254	93487	NM_144578	MAPK1IP1L
A_23_P75441	13,5689	13,5127	1,039723561	ENST00000535000	84304	NM_032344	NUDT22
A_22_P00008193	1,6094	1,55321	1,039716355	N/A	N/A	N/A	Inc-INSIG2-2
A_21_P0007624	1,70389	1,6477	1,039716355	N/A	N/A	N/A	Inc-ISCU-1

A_21_P0012599	1,60006	1,5439	1,039694735	N/A	N/A	N/A	Inc-BMP2K-1
A_33_P3275651	1,4284	1,37224	1,039694735	N/A	N/A	N/A	N/A
A_22_P00020947	1,73608	1,67993	1,039687528	N/A	N/A	N/A	Inc-ZNF814-1
A_21_P0003561	1,61966	1,56352	1,039680321	N/A	N/A	N/A	Inc-RP3-368B9.1.1-4
A_22_P00022526	1,60725	1,55112	1,039673115	N/A	340512	NR_126029	LOC340512
A_33_P3854953	1,73419	1,67806	1,039673115	ENST00000507482	440117	NR_033970	LOC440117
A_24_P139943	9,497	9,44087	1,039673115	ENST00000304031	64342	NM_022460	HS1BP3
A_33_P3424511	1,59902	1,54291	1,039658702	ENST00000380211	390063	NM_001005288	OR51I1
A_21_P0003591	1,46443	1,40832	1,039658702	N/A	N/A	N/A	Inc-STIM2-3
A_21_P0008141	1,59587	1,53976	1,039658702	N/A	N/A	N/A	Inc-HSPH1-6
A_33_P3258239	1,73507	1,67896	1,039658702	ENST00000395438	65217	NM_001142770	PCDH15
A_21_P0000693	1,46547	1,40937	1,039651496	N/A	100505918	NR_037851	LOC100505918
A_21_P0002776	1,61342	1,55732	1,039651496	ENST00000470860	101927866	N/A	LOC101927866
A_22_P00009269	1,5728	1,5167	1,039651496	N/A	100874282	N/A	MLIP-IT1
A_33_P3315959	1,43967	1,38357	1,039651496	ENST00000370658	51557	NM_016571	LGSN
A_24_P160202	4,72306	4,66696	1,039651496	ENST00000402472	56666	NM_052839	PANX2
A_21_P0000410	1,47036	1,41426	1,039651496	N/A	767591	NR_003206	SNORD114-13
A_33_P3326099	6,47936	6,42326	1,039651496	ENST00000319725	8939	NM_003934	FUBP3
A_23_P147888	17,8041	17,748	1,039651496	ENST00000321153	6181	NM_001004	RPLP2
A_21_P0012055	1,43792	1,38183	1,03964429	ENST00000412528	400941	NR_038369	LINC00487
A_22_P00025506	1,43591	1,37983	1,039637083	ENST00000534492	N/A	N/A	N/A
A_21_P0006421	1,48611	1,43004	1,039629877	ENST00000422047	101927528	N/A	LINC01204
A_22_P00004604	1,6005	1,54443	1,039629877	N/A	N/A	N/A	Inc-CSMD1-8
A_24_P586390	8,67442	8,61836	1,039622671	ENST00000570230	100133331	NR_028327	LOC100133331
A_22_P00019970	1,60181	1,54575	1,039622671	N/A	N/A	N/A	Inc-CORIN-2
A_22_P00011555	1,44156	1,3855	1,039622671	ENST00000500324	N/A	N/A	N/A
A_24_P149445	1,50497	1,44892	1,039615465	N/A	285962	NR_015392	WEE2-AS1
A_32_P86289	1,46551	1,40947	1,039608259	ENST00000396402	1588	NM_031226	CYP19A1
A_23_P360990	1,63181	1,57577	1,039608259	ENST00000454362	143241	NM_138812	DYDC1
A_21_P0010824	1,70271	1,64667	1,039608259	N/A	N/A	N/A	XLOC_I2_001573
A_21_P0007086	1,56434	1,50831	1,039601053	N/A	N/A	N/A	Inc-GPR26-3
A_21_P0009019	1,63432	1,57829	1,039601053	N/A	N/A	N/A	Inc-USP31-3
A_33_P3379916	8,57745	8,52142	1,039601053	ENST00000320717	2744	NM_014905	GLS

A_21_P0008912	1,62886	1,57283	1,039601053	N/A	N/A	N/A	Inc-HS3ST2-1
A_22_P00004576	1,43683	1,3808	1,039601053	ENST00000427360	N/A	N/A	N/A
A_33_P3382606	3,29548	3,23946	1,039593847	ENST00000296438	285231	NM_207102	FBXW12
A_22_P00011259	1,5984	1,54238	1,039593847	N/A	N/A	AL705479	Inc-OR3A1-1
A_33_P3232532	4,29648	4,24046	1,039593847	ENST00000367512	80267	NM_025191	EDEM3
A_21_P0004616	1,43638	1,38037	1,039586641	N/A	N/A	N/A	Inc-IL20RA-1
A_21_P0011904	1,44234	1,38633	1,039586641	N/A	N/A	N/A	XLOC_I2_007884
A_33_P3299639	1,61306	1,55708	1,039565024	ENST00000304865	138881	NM_001004454	OR1L8
A_21_P0002610	1,49732	1,44135	1,039557818	N/A	N/A	N/A	Inc-PLEKHB2-1
A_33_P3240717	1,77192	1,71596	1,039550612	N/A	100048912	NR_003529	CDKN2B-AS1
A_24_P114142	1,69728	1,64132	1,039550612	ENST00000331830	6900	NM_005076	CNTN2
A_22_P00003919	1,59743	1,54147	1,039550612	N/A	N/A	BG697942	Inc-CES1-3
A_33_P3301955	7,2957	7,23974	1,039550612	ENST00000379419	5150	NM_001242318	PDE7A
A_22_P00006463	1,64094	1,58499	1,039543407	ENST00000526703	N/A	AK094117	N/A
A_22_P00007773	1,56262	1,50668	1,039536201	N/A	N/A	N/A	Inc-HNRNPA1-3
A_23_P325122	1,66264	1,60671	1,039528996	ENST00000441139	286554	NR_002923	BCORP1
A_21_P0014126	4,30996	4,25403	1,039528996	N/A	N/A	N/A	N/A
A_24_P216014	1,62023	1,56431	1,03952179	ENST00000456543	2689	NM_022558	GH2
A_21_P0005015	1,49963	1,44372	1,039514585	N/A	N/A	N/A	Inc-HIST1H2BJ-2
A_23_P399156	3,98806	3,93215	1,039514585	ENST00000322153	3594	NM_153701	IL12RB1
A_21_P0002994	1,63452	1,57862	1,03950738	N/A	100846978	N/A	LINC00506
A_21_P0014251	1,5971	1,5412	1,03950738	N/A	101929052	NR_108069	LINC00836
A_33_P3295233	1,65528	1,59938	1,03950738	ENST00000442318	N/A	XR_250930	N/A
A_23_P352494	1,56053	1,50463	1,03950738	ENST00000371388	84528	NM_032498	RHOXF2
A_22_P00000971	1,62798	1,57209	1,039500174	ENST00000564697	N/A	BC039091	N/A
A_33_P3289121	1,44077	1,38489	1,039492969	ENST00000479337	84417	NM_032411	C2orf40
A_22_P00009774	1,62158	1,5657	1,039492969	ENST00000546414	N/A	N/A	N/A
A_21_P0002663	1,48956	1,43369	1,039485764	N/A	N/A	N/A	Inc-PELI1-5
A_22_P00009214	1,60251	1,54666	1,039471354	N/A	100506779	NR_038410	BZRAP1-AS1
A_21_P0011244	1,73893	1,68308	1,039471354	N/A	102723621	N/A	LOC102723621
A_22_P00002272	1,71075	1,65491	1,039464149	N/A	439950	NR_046108	CELF2-AS2
A_22_P00002590	1,73708	1,68124	1,039464149	N/A	N/A	DR033720	Inc-C19orf12-3
A_22_P00012914	1,56159	1,50575	1,039464149	ENST00000444169	159125	NR_001574	RBMY2EP

A_24_P924261	1,47099	1,41516	1,039456944	ENST00000542862	405754	NM_207582	ERVFRD-1
A_22_P00000280	1,58172	1,52589	1,039456944	ENST00000515706	N/A	N/A	N/A
A_33_P3255829	1,57536	1,51954	1,039449739	ENST00000420610	25878	NM_015419	MXRA5
A_23_P370786	1,72394	1,66813	1,039442534	ENST00000366478	284521	NM_175911	OR2L13
A_33_P3293321	1,43024	1,37443	1,039442534	ENST00000327335	390327	NM_001005499	OR6C70
A_22_P00015236	1,46716	1,41135	1,039442534	N/A	147004	XR_243792	LOC147004
A_23_P143845	12,8468	12,791	1,039435329	ENST00000461166	25976	NM_015508	TIPARP
A_22_P00012244	1,73783	1,68203	1,039435329	ENST00000552996	N/A	DB079050	N/A
A_33_P3345041	1,59357	1,53777	1,039435329	N/A	150538	NR_026830	SATB2-AS1
A_24_P10214	1,73948	1,68368	1,039435329	ENST00000550887	29091	NM_014178	STXBP6
A_22_P00016121	1,73985	1,68406	1,039428124	ENST00000508010	N/A	N/A	N/A
A_32_P460757	1,65229	1,5965	1,039428124	ENST00000275198	319100	NM_175067	TAAR6
A_21_P0005800	1,6021	1,54632	1,039420919	N/A	N/A	N/A	Inc-RP1L1-1
A_23_P64161	1,65875	1,60297	1,039420919	ENST00000334289	253935	NM_178127	ANGPTL5
A_21_P0009957	1,60736	1,55158	1,039420919	N/A	N/A	N/A	Inc-PI3-1
A_33_P3315325	1,60301	1,54724	1,039413715	ENST00000520552	157567	NM_001270379	ANKRD46
A_33_P3416097	1,62	1,56424	1,03940651	ENST00000264870	2162	NM_000129	F13A1
A_21_P0006920	1,4916	1,43588	1,039377692	N/A	N/A	N/A	Inc-EMX2-2
A_23_P116765	1,55957	1,50386	1,039370488	ENST00000301046	3906	NM_002289	LALBA
A_33_P3326942	1,62462	1,56891	1,039370488	N/A	N/A	N/A	N/A
A_21_P0005374	1,58627	1,53056	1,039370488	N/A	N/A	N/A	Inc-C7orf10-1
A_33_P3252583	1,61103	1,55532	1,039370488	ENST00000302610	219954	NM_001005211	OR9I1
A_23_P163161	12,0617	12,006	1,039363283	ENST00000556707	56948	NM_020195	SDR39U1
A_22_P00020869	1,69342	1,63772	1,039363283	ENST00000553477	N/A	N/A	N/A
A_22_P00016273	1,56686	1,51117	1,039356079	N/A	N/A	AK129594	Inc-TMEM106C-2
A_23_P148389	1,64251	1,58683	1,039348875	ENST00000298110	83550	NM_054021	GPR101
A_22_P00012868	1,80062	1,74494	1,039348875	ENST00000425541	N/A	N/A	N/A
A_33_P3256505	1,6359	1,58022	1,039348875	ENST00000474764	1587	NR_073423	ADAM3A
A_19_P00316187	6,68928	6,6336	1,039348875	ENST00000468380	100505687	NR_038301	LINC00888
A_33_P3403942	1,42363	1,36795	1,039348875	ENST00000279028	128506	NM_080721	OCSTAMP
A_23_P355510	1,59914	1,54346	1,039348875	ENST00000457095	158787	NM_144968	RIBC1
A_23_P13929	4,95704	4,90137	1,03934167	ENST00000337508	83714	NM_031474	NRIP2
A_22_P00006766	3,4205	3,36484	1,039334466	ENST00000570443	100505530	NR_126057	LOC100505530

A_22_P00001883	1,50542	1,44977	1,039327262	N/A	N/A	N/A	Inc-B3GAT2-1
A_22_P00010074	1,64889	1,59324	1,039327262	N/A	101928417	NR_110937	LOC101928417
A_22_P00011371	1,46064	1,405	1,039320058	N/A	N/A	N/A	Inc-P2RX7-2
A_22_P00010725	1,76933	1,71371	1,03930565	ENST00000433882	100132677	NR_038866	BSN-AS2
A_22_P00012744	1,59862	1,543	1,03930565	ENST00000439382	N/A	N/A	N/A
A_23_P397937	1,69704	1,64142	1,03930565	ENST00000531544	154075	NM_001258275	SAMD3
A_33_P3380457	1,6044	1,54879	1,039298446	ENST00000315033	54112	NM_022049	GPR88
A_33_P3321919	1,55883	1,50322	1,039298446	ENST00000332912	149643	NM_001024601	SPATA45
A_21_P0011439	10,9825	10,9269	1,039291243	ENST00000563400	55737	NM_018206	VPS35
A_22_P00017055	1,62345	1,56788	1,039269631	ENST00000439406	102723474	N/A	LOC102723474
A_21_P0004340	1,45872	1,40315	1,039269631	N/A	N/A	N/A	Inc-BNIP1-4
A_33_P3249654	1,63041	1,57484	1,039269631	N/A	404665	NR_038865	CACTIN-AS1
A_23_P147563	2,56945	2,51388	1,039269631	ENST00000498165	151742	NM_139245	PPM1L
A_21_P0000458	1,73002	1,67446	1,039262428	N/A	100036565	NR_003497	SNORD115-28
A_21_P0010738	1,74893	1,69338	1,039255224	ENST00000447257	101929476	XR_247051	LOC101929476
A_21_P0010568	1,76587	1,71033	1,03924802	ENST00000451341	102724661	N/A	LOC102724661
A_23_P415470	1,626	1,57046	1,03924802	ENST00000616430	56100	NM_032100	PCDHGB6
A_21_P0005727	1,64541	1,58988	1,039240817	ENST00000518732	101926978	NR_105006	LINC01111
A_23_P112874	1,63185	1,57633	1,039233614	ENST00000377067	2262	NM_004466	GPC5
A_21_P0004974	1,68844	1,63293	1,03922641	N/A	N/A	N/A	Inc-SMOC2-6
A_21_P0002842	1,56956	1,51406	1,039219207	N/A	N/A	XM_005265643	Inc-NKIRAS1-3
A_22_P00011859	1,57766	1,52216	1,039219207	N/A	N/A	N/A	Inc-PHYHIPL-1
A_33_P3215059	10,5881	10,5326	1,039219207	ENST00000566087	197370	NM_145080	NSMCE1
A_21_P0012942	1,59665	1,54115	1,039219207	ENST00000512618	N/A	N/A	N/A
A_33_P3417517	1,57633	1,52085	1,0392048	ENST00000254900	10902	NM_139199	BRD8
A_22_P00000787	1,57864	1,52316	1,0392048	N/A	N/A	N/A	Inc-ADRA1D-1
A_32_P75581	1,43372	1,37825	1,039197597	ENST00000321870	27319	NM_152414	BHLHE22
A_23_P346477	1,59495	1,53948	1,039197597	ENST00000391356	85290	NM_033187	KRTAP4-3
A_21_P0007090	1,48278	1,42731	1,039197597	N/A	N/A	N/A	Inc-PITRM1-7
A_22_P00007228	4,73572	4,68026	1,039190394	N/A	N/A	N/A	Inc-GPER-3
A_24_P405705	1,47228	1,41682	1,039190394	ENST00000314251	6514	NM_000340	SLC2A2
A_22_P00014185	1,45097	1,39557	1,039147176	ENST00000579749	283982	N/A	LINC00469
A_22_P00007947	1,60497	1,54957	1,039147176	ENST00000565962	N/A	AJ012496	N/A

A_23_P115932	1,76081	1,70541	1,039147176	ENST00000334549	338567	NM_181840	KCNK18
A_32_P204989	1,48093	1,42554	1,039139973	ENST00000624985	N/A	AF251047	N/A
A_22_P00004157	1,43335	1,37797	1,039132771	ENST00000567749	101930452	NR_120479	LOC101930452
A_19_P00807752	1,70611	1,65073	1,039132771	ENST00000442625	23263	XM_005268309	MCF2L
A_21_P0006186	1,59604	1,54069	1,039111163	N/A	158435	N/A	LOC158435
A_33_P3231715	1,60287	1,54752	1,039111163	ENST00000532898	403253	NM_001005512	OR4A47
A_32_P122793	8,99186	8,93652	1,03910396	N/A	150291	NR_026920	MORC2-AS1
A_33_P3506553	1,56732	1,51199	1,039096758	ENST00000439392	246312	NR_038871	C21orf91-OT1
A_22_P00009561	1,60004	1,54471	1,039096758	ENST00000450581	N/A	N/A	N/A
A_21_P0006807	1,4642	1,40888	1,039089555	N/A	N/A	N/A	Inc-C10orf108-3
A_32_P18470	7,27106	7,21574	1,039089555	ENST00000372680	340543	NM_001012979	TCEAL5
A_21_P0008123	1,63602	1,58071	1,039082353	N/A	100505996	N/A	LINC00403
A_22_P00000394	1,62143	1,56612	1,039082353	N/A	N/A	N/A	Inc-AC023632.1-1
A_22_P00013131	2,75003	2,69473	1,03907515	ENST00000554983	N/A	N/A	N/A
A_33_P3310864	5,85401	5,79871	1,03907515	N/A	N/A	N/A	N/A
A_33_P3305462	1,6212	1,56593	1,039053544	N/A	N/A	N/A	N/A
A_22_P00011097	1,72083	1,66557	1,039046342	ENST00000524159	N/A	N/A	N/A
A_33_P3249976	1,65198	1,59672	1,039046342	ENST00000312957	58494	NM_021219	JAM2
A_33_P3394297	1,6387	1,58345	1,039039139	ENST00000343544	55258	NM_001244676	THNSL2
A_22_P00017350	9,55528	9,50003	1,039039139	N/A	100129387	NR_024490	GABPB1-AS1
A_22_P00017363	1,47757	1,42233	1,039031937	N/A	101929657	NR_110306	LOC101929657
A_21_P0012026	1,59657	1,54135	1,039017533	ENST00000432608	401014	N/A	TEX41
A_33_P3308964	1,72793	1,67272	1,039010332	ENST00000498609	10842	NM_006658	PPP1R17
A_22_P00004916	1,57596	1,52076	1,03900313	N/A	N/A	N/A	Inc-DAPP1-1
A_21_P0000456	1,62882	1,57363	1,038995928	N/A	100033822	NR_003362	SNORD115-48
A_21_P0013239	9,32557	9,27039	1,038988726	ENST00000403118	N/A	N/A	N/A
A_23_P301414	1,67462	1,61944	1,038988726	ENST00000429727	2078	NM_004449	ERG
A_32_P202013	1,47904	1,42386	1,038988726	ENST00000522781	642938	NM_001039762	FAM196A
A_22_P00017453	1,6352	1,58002	1,038988726	ENST00000554445	N/A	DB442315	N/A
A_23_P21230	9,5541	9,49892	1,038988726	ENST00000262294	4591	NM_015294	TRIM37
A_22_P00009593	1,55771	1,50254	1,038981524	N/A	N/A	N/A	Inc-MAPK6-4
A_21_P0004634	1,47954	1,42439	1,038967121	ENST00000427011	N/A	N/A	N/A
A_21_P0003535	1,71622	1,66107	1,038967121	ENST00000508977	N/A	N/A	N/A

A_24_P144439	1,60117	1,54603	1,03895992	ENST00000498089	151651	NM_144715	EFHB
A_23_P157022	9,18999	9,13486	1,038952718	ENST00000491431	136051	NM_152411	ZNF786
A_23_P30567	1,62434	1,56921	1,038952718	ENST00000503763	1393	NM_001882	CRHBP
A_22_P00011790	1,64996	1,59483	1,038952718	N/A	N/A	N/A	Inc-PGBD5-1
A_33_P3540143	5,21284	5,15772	1,038945517	ENST00000319363	23765	NM_014339	IL17RA
A_22_P00023395	1,59254	1,53744	1,038931114	ENST00000555316	N/A	BQ887790	N/A
A_21_P0009058	1,4212	1,3661	1,038931114	N/A	N/A	N/A	Inc-CLEC18B-4
A_23_P170978	11,3932	11,3381	1,038931114	ENST00000451251	55657	NM_017865	ZNF692
A_33_P3403142	1,42096	1,36587	1,038923913	ENST00000557640	647286	NM_001257268	RD3L
A_33_P3349853	1,59878	1,54369	1,038923913	ENST00000466902	N/A	N/A	N/A
A_22_P00004047	1,62821	1,57313	1,038916711	ENST00000527642	N/A	N/A	N/A
A_22_P00010426	1,77675	1,72167	1,038916711	ENST00000520024	N/A	N/A	N/A
A_22_P00014213	1,72456	1,66949	1,03890951	ENST00000556116	283547	NR_039982	LINC00639
A_22_P00009956	1,42299	1,36792	1,03890951	ENST00000488861	101927152	NR_110000	LINC01212
A_21_P0009989	1,63183	1,57677	1,038902309	N/A	N/A	N/A	Inc-C20orf166-3
A_23_P27229	2,60857	2,55351	1,038902309	ENST00000615845	51168	NM_016239	MYO15A
A_21_P0013310	1,62653	1,57148	1,038895108	N/A	N/A	N/A	XLOC_l2_013849
A_33_P3589033	1,59314	1,53812	1,038873505	N/A	10824	BE781894	DIAPH2-AS1
A_24_P281403	1,74915	1,69413	1,038873505	ENST00000328188	119749	NM_001004703	OR4C46
A_33_P3773200	1,43807	1,38306	1,038866304	ENST00000580119	285766	NR_126020	LOC285766
A_24_P371303	9,96375	9,90874	1,038866304	ENST00000614531	23272	NM_015224	FAM208A
A_33_P3415047	1,56049	1,50548	1,038866304	N/A	N/A	N/A	N/A
A_22_P00004389	1,63105	1,57605	1,038859103	ENST00000471993	N/A	N/A	N/A
A_22_P00019931	1,42686	1,37186	1,038859103	N/A	N/A	N/A	Inc-LOXL1-1
A_33_P3270489	1,72333	1,66834	1,038851903	ENST00000239374	80129	NM_025059	CCDC170
A_23_P70634	1,74988	1,69489	1,038851903	ENST00000258042	4829	NM_002511	NMBR
A_21_P0004080	1,71454	1,65956	1,038844702	ENST00000512115	102577424	NR_108030	LINC01574
A_22_P00004003	1,59503	1,54007	1,0388303	ENST00000442809	101927215	NR_110118	LINC01266
A_23_P327910	1,63276	1,5778	1,0388303	N/A	7547	NM_003413	ZIC3
A_21_P0011497	1,59333	1,53837	1,0388303	ENST00000554640	100506172	N/A	LINC01568
A_24_P578571	1,50415	1,4492	1,0388231	ENST00000340465	389400	NM_207410	GFRAL
A_21_P0002665	1,4247	1,36975	1,0388231	ENST00000605491	N/A	N/A	N/A
A_22_P00019889	1,61911	1,56416	1,0388231	ENST00000423667	N/A	N/A	N/A



A_33_P3352727	1,44014	1,3852	1,038815899	N/A	140873	NR_026933	C20orf173
A_22_P00007718	1,59823	1,54329	1,038815899	N/A	414764	NR_044996	HCG23
A_22_P00011866	1,4554	1,40047	1,038808699	N/A	N/A	BX116978	Inc-PICALM-1
A_22_P00013412	1,48063	1,42571	1,038801498	ENST00000554197	100129345	NR_033943	LOC100129345
A_23_P135031	1,43159	1,37668	1,038794298	ENST00000561981	23732	NM_014334	FRRS1L
A_22_P00013179	1,60337	1,54846	1,038794298	N/A	N/A	AK098665	Inc-RNF144B-1
A_21_P0009564	1,44383	1,38892	1,038794298	N/A	N/A	N/A	Inc-MC4R-1
A_21_P0005504	1,66891	1,614	1,038794298	N/A	N/A	N/A	Inc-SBDS-8
A_21_P0004266	1,42578	1,37088	1,038787098	N/A	N/A	N/A	Inc-ANKDD1B-1
A_22_P00022379	1,72538	1,67048	1,038787098	N/A	N/A	N/A	Inc-PRL-7
A_33_P3229397	14,7523	14,6974	1,038787098	ENST00000544079	10575	NM_006430	CCT4
A_21_P0003609	1,59076	1,53587	1,038779897	ENST00000511875	N/A	N/A	N/A
A_21_P0014097	1,60924	1,55435	1,038779897	N/A	N/A	N/A	N/A
A_32_P65616	1,43361	1,37873	1,038772697	ENST00000306482	5617	NM_000948	PRL
A_23_P431139	1,71269	1,65782	1,038765497	ENST00000565656	1504	NM_001906	CTRB1
A_23_P10542	1,7299	1,67503	1,038765497	ENST00000307358	94031	NM_053044	HTRA3
A_21_P0008776	2,40572	2,35085	1,038765497	N/A	N/A	N/A	Inc-HAPLN3-1
A_23_P951	1,58027	1,52542	1,038751097	ENST00000473386	3080	NM_005666	CFHR2
A_22_P00009263	1,44645	1,39161	1,038743897	ENST00000429099	N/A	N/A	N/A
A_22_P00020084	1,6335	1,57867	1,038736697	N/A	N/A	N/A	Inc-MARCKS-2
A_22_P00007956	1,44012	1,3853	1,038729497	ENST00000423967	N/A	N/A	N/A
A_32_P110655	1,42122	1,36641	1,038722297	ENST00000427686	100129515	NR_033941	LINC00633
A_22_P00024964	1,59759	1,54278	1,038722297	ENST00000523038	N/A	N/A	N/A
A_23_P80040	13,1333	13,0785	1,038715097	ENST00000216968	10544	NM_006404	PROCR
A_33_P3741835	1,58976	1,53496	1,038715097	ENST00000500526	N/A	N/A	N/A
A_33_P3418165	1,56322	1,50842	1,038715097	N/A	N/A	N/A	N/A
A_23_P312271	1,45847	1,40367	1,038715097	ENST00000531960	122046	NM_152325	TEX26
A_24_P55465	12,3715	12,3167	1,038715097	ENST00000393085	136319	NM_145808	MTPN
A_21_P0010873	1,65417	1,5994	1,038693498	N/A	100996567	N/A	ANTXRPL1
A_22_P00019154	1,65844	1,60367	1,038693498	ENST00000454271	101928628	N/A	LOC101928628
A_33_P3270059	1,58559	1,53082	1,038693498	ENST00000306904	27288	NM_014469	RBMXL2
A_21_P0007022	1,73815	1,68341	1,038671899	N/A	N/A	N/A	Inc-RAB11FIP2-2
A_33_P3316318	2,59361	2,53887	1,038671899	ENST00000513565	153241	CR627324	CEP120

A_23_P334857	1,63503	1,58029	1,038671899	ENST00000409692	151126	NM_152520	ZNF385B
A_33_P3228828	1,64345	1,58872	1,038664699	N/A	N/A	N/A	N/A
A_22_P00010755	1,59986	1,54514	1,0386575	ENST00000519215	N/A	N/A	N/A
A_21_P0010083	1,48909	1,43438	1,0386503	N/A	N/A	N/A	Inc-ZNF133-1
A_22_P00017336	1,60124	1,54653	1,0386503	ENST00000509497	N/A	XR_244733	N/A
A_23_P200126	9,90202	9,84732	1,038643101	ENST00000371945	8569	NM_003684	MKNK1
A_21_P0013548	4,42507	4,37037	1,038643101	N/A	N/A	N/A	XLOC_I2_014694
A_23_P132378	12,0572	12,0025	1,038643101	ENST00000473624	9620	NM_014246	CELSR1
A_23_P167683	1,70181	1,64712	1,038635902	ENST00000515058	2668	NM_000514	GDNF
A_21_P0002690	1,45656	1,40187	1,038635902	N/A	N/A	N/A	Inc-KLF7-1
A_22_P00013547	1,4875	1,43282	1,038628703	N/A	100874433	NR_121669	IQCJ-SCHIP1-AS1
A_33_P3223417	1,45507	1,40039	1,038628703	N/A	286002	NR_028137	SLC26A4-AS1
A_33_P3281465	9,10112	9,04645	1,038621503	ENST00000408041	8884	NM_021095	SLC5A6
A_22_P00003115	1,45085	1,39619	1,038614304	N/A	N/A	N/A	Inc-C9orf107-1
A_21_P0009693	1,58917	1,53453	1,038599906	N/A	N/A	N/A	Inc-ZNF729-1
A_22_P00006460	1,74058	1,68594	1,038599906	ENST00000417054	N/A	N/A	N/A
A_21_P0012579	1,59218	1,53755	1,038592707	ENST00000503394	N/A	N/A	N/A
A_22_P00013848	1,63365	1,57903	1,038585508	N/A	N/A	BF593104	Inc-RPL30-2
A_23_P414958	1,60458	1,54996	1,038585508	ENST00000549217	10154	NM_005761	PLXNC1
A_33_P3326802	1,58378	1,52917	1,038578309	N/A	N/A	N/A	N/A
A_23_P316121	1,74622	1,69161	1,038578309	ENST00000272641	11249	NM_007226	NXPH2
A_21_P0009559	1,43037	1,37576	1,038578309	ENST00000592405	101927229	NR_110743	LOC101927229
A_33_P3351986	1,45805	1,40344	1,038578309	ENST00000548955	283387	CD675540	LOC283387
A_23_P135616	9,40871	9,3541	1,038578309	ENST00000515687	53407	NM_016930	STX18
A_24_P297078	11,0106	10,956	1,03857111	ENST00000217456	57136	NM_020531	APMAP
A_22_P00005364	1,7107	1,6561	1,03857111	N/A	100288346	NR_034101	NCAM1-AS1
A_23_P143569	10,4918	10,4372	1,03857111	ENST00000443409	85359	NM_033257	DGCR6L
A_33_P3262236	1,62378	1,56919	1,038563912	ENST00000557009	441669	NM_172194	OR4Q3
A_24_P170234	1,69298	1,6384	1,038556713	ENST00000434824	378925	NM_198085	RNF148
A_33_P3400023	1,69223	1,63765	1,038556713	N/A	N/A	N/A	N/A
A_22_P00021057	5,22461	5,17005	1,038542315	ENST00000361684	25829	NM_001195072	TMEM184B
A_21_P0005777	1,58192	1,52736	1,038542315	N/A	N/A	N/A	Inc-BAI1-4
A_22_P00002979	1,4248	1,37025	1,038535117	ENST00000417244	653483	N/A	MLLT4-AS1

A_33_P3330886	1,60422	1,54967	1,038535117	ENST00000379665	403282	NM_001005518	OR6C65
A_22_P00024099	1,55802	1,50348	1,038527918	N/A	N/A	N/A	Inc-CYB561-5
A_21_P0009035	1,47728	1,42275	1,03852072	ENST00000561591	101927480	XR_243452	LOC101927480
A_22_P00008357	1,46781	1,41329	1,038513521	N/A	N/A	N/A	Inc-IYD-2
A_24_P165864	1,62271	1,56819	1,038513521	ENST00000309170	9934	NM_014879	P2RY14
A_33_P3236833	1,43063	1,37612	1,038506323	ENST00000381436	2835	NM_005288	GPR12
A_33_P3295518	1,62248	1,56797	1,038506323	ENST00000360542	388818	NM_203405	KRTAP26-1
A_23_P118888	11,9562	11,9017	1,038499125	ENST00000610190	5048	NM_000430	PAFAH1B1
A_22_P00015345	1,70094	1,64644	1,038499125	N/A	N/A	N/A	Inc-SPRY2-4
A_22_P00012626	1,42992	1,37543	1,038491926	ENST00000529827	101928823	NR_120560	LOC101928823
A_24_P124647	1,55503	1,50054	1,038491926	ENST00000323346	246213	NM_139319	SLC17A8
A_21_P0010933	1,4324	1,37791	1,038491926	N/A	N/A	N/A	XLOC_I2_001841
A_22_P00000617	7,46702	7,41254	1,038484728	N/A	N/A	N/A	Inc-ACOT9-2
A_32_P334325	3,75293	3,69845	1,038484728	ENST00000536002	23504	NM_015347	RIMBP2
A_33_P3348564	1,43777	1,3833	1,03847753	ENST00000312153	390174	NM_001005213	OR9G1
A_21_P0009043	1,59217	1,53772	1,038463134	N/A	N/A	N/A	Inc-CDH8-2
A_33_P3275220	1,42957	1,37512	1,038463134	ENST00000243300	203447	NM_198465	NRK
A_22_P00010006	1,42034	1,3659	1,038455935	ENST00000577089	N/A	N/A	N/A
A_22_P00014265	1,49635	1,44191	1,038455935	ENST00000559148	N/A	N/A	N/A
A_21_P0006343	1,63264	1,57821	1,038448737	N/A	N/A	N/A	Inc-DMRTA1-7
A_22_P00000708	1,62716	1,57274	1,03844154	N/A	N/A	N/A	Inc-ADAMTS14-1
A_33_P3278689	1,72137	1,66696	1,038434342	ENST00000400549	245930	NM_001037731	DEFB116
A_33_P3269817	1,45539	1,40098	1,038434342	ENST00000382988	101928697	N/A	LOC101928697
A_22_P00007321	1,43076	1,37636	1,038427144	ENST00000553487	N/A	AL832767	N/A
A_23_P157920	1,69331	1,63891	1,038427144	ENST00000380216	3449	NM_002173	IFNA16
A_33_P3567961	1,77087	1,71647	1,038427144	ENST00000611331	N/A	AK023539	N/A
A_23_P145054	1,43873	1,38434	1,038419946	ENST00000368557	221303	NM_001085480	FAM162B
A_22_P00023951	1,6331	1,57871	1,038419946	N/A	N/A	DA722162	Inc-CHN2-3
A_21_P0005677	1,72431	1,66992	1,038419946	N/A	N/A	N/A	Inc-LEPROTL1-3
A_23_P110319	1,50478	1,45039	1,038419946	ENST00000226432	80157	NM_025087	CWH43
A_33_P3342051	1,50403	1,44964	1,038419946	N/A	347411	NM_001195522	MPC1L
A_33_P3389306	1,62907	1,57469	1,038412748	N/A	N/A	CU692123	Inc-AGPS-2
A_21_P0014264	1,69415	1,63977	1,038412748	N/A	N/A	N/A	N/A

A_21_P0006688	1,74184	1,68746	1,038412748	ENST00000437892	170425	N/A	LINC00858
A_22_P00012375	1,73673	1,68235	1,038412748	N/A	N/A	N/A	Inc-PRICKLE2-3
A_22_P00008021	1,49566	1,44128	1,038412748	ENST00000521572	N/A	CD709954	N/A
A_22_P00016377	1,48738	1,43301	1,038405551	ENST00000427398	727944	XR_109991	LOC727944
A_33_P3411372	1,50556	1,45122	1,038383958	N/A	100131626	NR_046369	LOC100131626
A_24_P179489	8,09207	8,03773	1,038383958	ENST00000482234	10806	NM_006642	SDCCAG8
A_33_P3215412	8,82466	8,77032	1,038383958	ENST00000332235	126567	NM_001136263	C2CD4C
A_24_P32627	5,88888	5,83455	1,03837676	ENST00000513708	728586	XR_159059	LINC01183
A_22_P00012404	1,48077	1,42644	1,03837676	ENST00000548306	N/A	DA785583	N/A
A_33_P3325135	1,48696	1,43264	1,038369563	ENST00000289788	222696	NM_001012455	ZSCAN23
A_22_P00022413	1,6134	1,55909	1,038362365	N/A	N/A	N/A	Inc-ATP1A10S-4
A_21_P0006843	1,67075	1,61644	1,038362365	N/A	N/A	N/A	Inc-MYO3A-2
A_23_P389371	1,63022	1,57592	1,038355168	ENST00000621697	117195	NM_054031	MRGPRX3
A_22_P00001160	1,69023	1,63593	1,038355168	N/A	N/A	AK096766	Inc-AMPH-2
A_21_P0005867	1,56171	1,50741	1,038355168	N/A	N/A	N/A	Inc-MMP16-1
A_21_P0004615	1,45903	1,40473	1,038355168	N/A	285762	N/A	LOC285762
A_22_P00005735	1,55821	1,50391	1,038355168	ENST00000543347	N/A	BG217017	N/A
A_22_P00023833	1,58663	1,53234	1,038347971	N/A	N/A	AL080086	Inc-ASXL1-2
A_21_P0003866	3,91621	3,86196	1,038319182	N/A	101929996	N/A	LOC101929996
A_21_P0010745	1,59404	1,53979	1,038319182	ENST00000436377	N/A	N/A	N/A
A_22_P00002168	1,61368	1,55943	1,038319182	ENST00000531136	N/A	CR744189	N/A
A_22_P00002356	1,50916	1,45493	1,038304788	N/A	N/A	N/A	Inc-C12orf39-1
A_22_P00020286	1,62602	1,57179	1,038304788	ENST00000510946	N/A	N/A	N/A
A_21_P0012178	1,41974	1,36551	1,038304788	N/A	N/A	N/A	XLOC_l2_009129
A_21_P0002855	1,60246	1,54825	1,038290394	ENST00000472238	N/A	N/A	N/A
A_23_P101374	11,861	11,8068	1,038283197	ENST00000310054	29785	AK027605	CYP2S1
A_22_P00012978	1,59372	1,53953	1,038276	ENST00000540399	N/A	BE041531	N/A
A_33_P3394559	1,58972	1,53553	1,038276	ENST00000613225	440561	NM_001010889	PRAMEF6
A_24_P352388	1,55967	1,50549	1,038268804	ENST00000531899	53841	NM_031264	CDHR5
A_22_P00016075	1,44765	1,39347	1,038268804	ENST00000564830	101929504	NR_125863	LOC101929504
A_32_P528311	6,49652	6,44234	1,038268804	ENST00000335099	349667	NM_178570	RTN4RL2
A_22_P00013307	1,65471	1,60053	1,038268804	ENST00000518962	497634	NR_027013	LINC00293
A_33_P3740020	1,60703	1,55285	1,038268804	N/A	692053	BE172294	SNORD9

A_33_P3507542	8,37723	8,32306	1,038261607	ENST00000536140	10536	NM_014262	LEPREL2
A_22_P00025253	4,78145	4,72728	1,038261607	N/A	102724323	NR_120674	LOC102724323
A_23_P17663	1,58946	1,53529	1,038261607	ENST00000455164	4599	NM_002462	MX1
A_33_P3378171	1,61348	1,55932	1,03825441	N/A	400940	N/A	LOC400940
A_22_P00022107	1,59194	1,53779	1,038247214	ENST00000560360	N/A	DA145170	N/A
A_24_P781657	1,58921	1,53509	1,038225624	N/A	N/A	AK001132	Inc-C10orf40-1
A_23_P202245	1,58515	1,53104	1,038218428	ENST00000355710	5979	NM_020975	RET
A_19_P00315641	1,44568	1,39158	1,038211231	ENST00000498732	286411	NR_104228	LINC00632
A_33_P3419551	1,64149	1,58739	1,038211231	ENST00000332650	26339	NM_001004736	OR5K1
A_33_P3211959	1,6998	1,64571	1,038204035	ENST00000427632	N/A	BC022822	N/A
A_32_P42018	1,44046	1,38639	1,038189643	ENST00000529466	100500938	NM_001195637	CCDC179
A_22_P00005706	1,43218	1,37811	1,038189643	ENST00000506070	N/A	N/A	N/A
A_23_P410128	1,55388	1,49982	1,038182446	ENST00000328823	164684	NM_152613	WBP2NL
A_21_P0010305	1,62835	1,5743	1,03817525	N/A	N/A	N/A	Inc-AF127577.1-5
A_33_P3274756	5,36249	5,30845	1,038168054	ENST00000237163	23033	NM_015018	DOPEY1
A_22_P00006584	1,61276	1,55872	1,038168054	N/A	N/A	N/A	Inc-FMR1NB-2
A_23_P43425	8,37413	8,32009	1,038168054	ENST00000376854	55071	NM_017998	C9orf40
A_21_P0004200	1,42181	1,36778	1,038160858	N/A	N/A	N/A	Inc-C5orf38-2
A_21_P0001489	1,49073	1,43672	1,038146466	N/A	N/A	N/A	Inc-TRIM62-1
A_22_P00009511	1,65347	1,59946	1,038146466	ENST00000509496	N/A	N/A	N/A
A_33_P3340040	10,1887	10,1347	1,038139271	ENST00000276533	84296	NM_032336	GIN54
A_33_P3266848	5,75626	5,70226	1,038139271	ENST00000328207	N/A	N/A	N/A
A_23_P19348	7,86778	7,81378	1,038139271	ENST00000535468	9820	NM_014780	CUL7
A_21_P0004156	4,22869	4,17469	1,038139271	ENST00000507491	N/A	N/A	N/A
A_22_P00007484	3,81196	3,75797	1,038132075	N/A	N/A	N/A	Inc-GTPBP8-1
A_22_P00007953	1,61057	1,55658	1,038132075	ENST00000577545	400612	NR_126169	LOC400612
A_22_P00015929	8,53645	8,48247	1,038124879	N/A	N/A	N/A	Inc-TCN2-1
A_33_P3326767	1,55847	1,50449	1,038124879	N/A	N/A	XR_159010	N/A
A_21_P0004028	1,41721	1,36324	1,038117683	ENST00000505109	N/A	N/A	N/A
A_22_P00016130	1,50986	1,4559	1,038110488	N/A	101929734	XR_249445	LOC101929734
A_19_P00322397	1,58882	1,53487	1,038103292	ENST00000599749	400550	NR_036444	FENDRR
A_22_P00015663	1,54902	1,49507	1,038103292	N/A	101928008	NR_120539	LOC101928008
A_21_P0013361	1,6987	1,64475	1,038103292	N/A	N/A	N/A	XLOC_I2_014077

A_22_P00006529	1,57353	1,51958	1,038103292	N/A	N/A	N/A	Inc-FGGY-3
A_22_P00009321	2,41005	2,3561	1,038103292	N/A	N/A	AK128830	Inc-LRRC56-1
A_21_P0012014	1,60749	1,55354	1,038103292	N/A	N/A	N/A	Inc-ZAP70-2
A_21_P0003181	1,5919	1,53796	1,038096096	N/A	N/A	N/A	Inc-STAG1-3
A_22_P00004885	1,54943	1,49551	1,038081705	ENST00000435878	N/A	N/A	N/A
A_21_P0004752	1,60074	1,54684	1,038067315	ENST00000431394	N/A	N/A	N/A
A_33_P7718819	18,1312	18,0773	1,038067315	ENST00000373457	23404	NM_014285	EXOSC2
A_21_P0014052	1,70536	1,65146	1,038067315	N/A	N/A	N/A	N/A
A_21_P0001682	1,69413	1,64024	1,038060119	N/A	N/A	N/A	Inc-FGGY-2
A_23_P208030	1,75239	1,6985	1,038060119	ENST00000255224	6860	NM_020783	SYT4
A_33_P3843415	1,43485	1,38097	1,038052924	N/A	283089	N/A	WDR11-AS1
A_21_P0012315	1,43798	1,3841	1,038052924	N/A	N/A	N/A	XLOC_I2_009302
A_33_P3396224	1,42384	1,36997	1,038045729	ENST00000316048	440087	NM_001013698	SMCO3
A_23_P368847	1,42988	1,37603	1,038031339	ENST00000372643	140832	NM_080753	WFDC10A
A_22_P00017362	1,60173	1,54789	1,038024144	ENST00000452971	N/A	N/A	N/A
A_24_P319942	8,62104	8,56721	1,038016949	ENST00000265044	6747	NM_007107	SSR3
A_21_P0008344	1,45163	1,3978	1,038016949	N/A	N/A	N/A	Inc-DAAM1-2
A_21_P0006116	1,68686	1,63303	1,038016949	ENST00000420883	N/A	N/A	N/A
A_21_P0002125	1,7176	1,66377	1,038016949	ENST00000456895	N/A	N/A	N/A
A_33_P3321055	6,32138	6,26756	1,038009754	ENST00000464735	55504	BC035796	TNFRSF19
A_33_P3323934	1,58645	1,53263	1,038009754	ENST00000527756	N/A	N/A	N/A
A_24_P321766	1,50812	1,4543	1,038009754	ENST00000553780	5104	NM_000624	SERPINA5
A_21_P0000696	1,58694	1,53312	1,038009754	N/A	100505893	NR_037876	SLIT2-IT1
A_32_P142779	1,6161	1,56229	1,038002559	ENST00000329196	162540	NM_175882	SPPL2C
A_22_P00009877	1,43122	1,37741	1,038002559	ENST00000519147	N/A	N/A	N/A
A_33_P3348594	1,55295	1,49914	1,038002559	ENST00000312253	219479	NM_001004744	OR5R1
A_24_P204244	14,5086	14,4548	1,037995364	ENST00000505539	303	NR_001562	ANXA2P1
A_23_P210224	1,61635	1,56256	1,037988169	ENST00000614712	56896	NM_020134	DPYSL5
A_22_P00006218	1,43148	1,37769	1,037988169	ENST00000412652	N/A	N/A	N/A
A_23_P115636	6,22368	6,1699	1,037980974	ENST00000495022	1787	NM_004412	TRDMT1
A_22_P00000455	1,48481	1,43104	1,03797378	ENST00000578936	N/A	N/A	N/A
A_33_P3379004	6,7777	6,72394	1,037966585	N/A	N/A	AK130723	N/A
A_22_P00007715	1,622	1,56825	1,03795939	N/A	N/A	N/A	Inc-HLA-DQA1-5

A_22_P00019155	1,59406	1,54032	1,037952196	ENST00000473959	151887	N/A	CCDC80
A_21_P0002389	1,54882	1,49509	1,037945001	N/A	N/A	N/A	Inc-CMPK2-5
A_21_P0011190	1,65084	1,59712	1,037937807	ENST00000433074	104355140	N/A	LINC00375
A_23_P312150	1,97374	1,92003	1,037930612	ENST00000372587	1907	NM_001956	EDN2
A_22_P00012616	1,44283	1,38913	1,037923418	ENST00000446053	N/A	N/A	N/A
A_22_P00011526	1,5485	1,4948	1,037923418	N/A	N/A	N/A	Inc-PBX3-2
A_23_P47208	13,0537	13	1,037923418	ENST00000533166	8815	NM_003860	BANF1
A_33_P3262043	12,6456	12,5919	1,037923418	ENST00000309032	572	NM_004322	BAD
A_19_P00319184	1,70105	1,64736	1,037916224	ENST00000412410	N/A	N/A	N/A
A_19_P00321014	7,42105	7,36736	1,037916224	N/A	N/A	XR_110931	N/A
A_33_P3345469	1,42983	1,37614	1,037916224	ENST00000414000	2830	NM_001286099	GPR6
A_22_P00001734	1,4772	1,42351	1,037916224	N/A	N/A	DB050999	Inc-ATIC-8
A_33_P3276653	1,61903	1,56535	1,037909029	N/A	494118	NM_001009614	SPANXN1
A_21_P0004365	1,50575	1,45208	1,037901835	N/A	N/A	N/A	Inc-ZNF622-1
A_21_P0004950	1,50876	1,45509	1,037901835	N/A	100507477	XR_245610	LOC100507477
A_23_P120694	1,43247	1,3788	1,037901835	ENST00000290310	9992	NM_172201	KCNE2
A_22_P00003133	1,41732	1,36366	1,037894641	N/A	N/A	N/A	Inc-C9orf146-2
A_33_P3341851	1,99403	1,94038	1,037887447	ENST00000309071	55345	BC044799	ZGRF1
A_21_P0004587	1,7354	1,68176	1,037880253	N/A	N/A	XM_006710171	Inc-ZNF354A-1
A_23_P77117	4,78126	4,72763	1,037873059	ENST00000565774	53346	NM_023003	TM6SF1
A_22_P00007046	1,586	1,53238	1,037865865	ENST00000565399	N/A	BX648040	N/A
A_33_P3276425	1,73415	1,68054	1,037858671	ENST00000446461	389124	NM_001145059	IQCF5
A_22_P00024470	1,61827	1,56466	1,037858671	ENST00000533942	N/A	N/A	N/A
A_22_P00006734	4,63335	4,57974	1,037858671	N/A	N/A	N/A	Inc-FSCN2-1
A_21_P0005110	1,69376	1,64016	1,037851477	N/A	N/A	N/A	Inc-NRSN1-3
A_33_P3403693	1,58362	1,53002	1,037851477	ENST00000378133	56147	NM_031410	PCDHA1
A_22_P00019393	1,56723	1,51363	1,037851477	N/A	N/A	N/A	Inc-CRABP2-1
A_33_P3365408	8,16233	8,10874	1,037844283	N/A	283314	NR_026947	C1RL-AS1
A_21_P0005038	1,51919	1,4656	1,037844283	N/A	N/A	N/A	Inc-UBE2CBP-1
A_33_P3214393	1,48587	1,43231	1,037822702	ENST00000390465	N/A	D13074	N/A
A_33_P3313597	2,98479	2,93124	1,037815509	N/A	100128998	XR_425258	C20orf181
A_33_P3285275	1,76612	1,71257	1,037815509	ENST00000498816	783	N/A	CACNB2
A_33_P3255135	1,7013	1,64775	1,037815509	N/A	101929485	XR_241533	LOC101929485

A_33_P3395605	1,42091	1,36736	1,037815509	ENST00000392806	338773	NM_181724	TMEM119
A_22_P00014875	1,67294	1,61939	1,037815509	N/A	644714	NR_033947	LIMD1-AS1
A_23_P256624	1,68504	1,6315	1,037808315	ENST00000514278	54514	NM_024415	DDX4
A_33_P3362491	1,41661	1,36307	1,037808315	ENST00000334128	200909	NM_001145143	HTR3D
A_22_P00000398	1,43153	1,37799	1,037808315	ENST00000563923	N/A	N/A	N/A
A_33_P3306078	1,62145	1,56792	1,037801121	ENST00000452010	84176	NR_002147	MYH16
A_24_P334456	1,42707	1,37354	1,037801121	ENST00000464680	11174	NM_197941	ADAMTS6
A_33_P3260941	1,5315	1,47798	1,037793928	ENST00000064778	23201	NM_001286050	FAM168A
A_22_P00005546	1,50554	1,45202	1,037793928	ENST00000510049	N/A	N/A	N/A
A_23_P102420	15,8669	15,8134	1,037779541	ENST00000544079	10575	NM_006430	CCT4
A_21_P0012103	1,60706	1,55356	1,037779541	ENST00000594069	101927687	XR_241384	LOC101927687
A_33_P3729375	1,557	1,50351	1,037772348	N/A	285181	AK093857	LOC285181
A_33_P3812027	1,60471	1,55122	1,037772348	N/A	414300	BC032033	LOC414300
A_22_P00004379	4,32618	4,27269	1,037772348	ENST00000429512	N/A	N/A	N/A
A_21_P0004925	1,52003	1,46655	1,037765155	N/A	N/A	N/A	Inc-MARCKS-6
A_22_P00005629	1,48287	1,4294	1,037757961	N/A	N/A	BC029603	Inc-EID1-1
A_33_P3221688	1,64605	1,5926	1,037743575	ENST00000418025	N/A	DA292495	N/A
A_24_P10884	1,51908	1,46563	1,037743575	ENST00000407075	9402	NM_004810	GRAP2
A_33_P3778618	1,7521	1,69866	1,037736382	N/A	285796	NR_028390	PACRG-AS1
A_23_P112554	1,55512	1,50169	1,037729189	ENST00000375001	1306	NM_001855	COL15A1
A_33_P3794213	1,59785	1,54442	1,037729189	N/A	N/A	AJ251642	Inc-CDKN1C-2
A_23_P72817	1,54743	1,49401	1,037721996	ENST00000329913	9573	NM_020634	GDF3
A_33_P3788124	1,52074	1,46733	1,037714803	ENST00000562501	791114	NR_026646	PWRN1
A_22_P00001803	1,45214	1,39873	1,037714803	N/A	N/A	DB452078	Inc-ATP6VOD2-1
A_24_P203765	4,79934	4,74593	1,037714803	ENST00000371491	6512	NM_001287596	SLC1A7
A_33_P3358799	12,0495	11,9961	1,03770761	ENST00000317734	51006	NM_001281460	SLC35C2
A_23_P213319	1,59532	1,54192	1,03770761	ENST00000381052	11174	NM_197941	ADAMTS6
A_22_P00024835	1,60988	1,55649	1,037700418	ENST00000522807	101927003	N/A	LOC101927003
A_33_P3308117	1,62543	1,57204	1,037700418	N/A	101929095	NR_125911	LOC101929095
A_22_P00017990	1,51168	1,4583	1,037693225	N/A	N/A	N/A	Inc-ZNF101-1
A_24_P717262	1,63662	1,58324	1,037693225	ENST00000600110	N/A	N/A	N/A
A_23_P41713	1,56372	1,51035	1,037686032	ENST00000302938	153745	NM_130899	FAM71B
A_33_P3490572	1,43768	1,38431	1,037686032	ENST00000460624	148811	NM_152491	PM20D1



A_22_P00004028	1,5998	1,54644	1,037678839	N/A	N/A	AK128348	Inc-CHP2.1-1
A_21_P0014314	7,89401	7,84065	1,037678839	N/A	N/A	N/A	Inc-ZSCAN10-3
A_33_P3416347	1,47554	1,42218	1,037678839	ENST00000390396	N/A	M27390	N/A
A_33_P3397840	1,65419	1,60083	1,037678839	ENST00000409123	644150	BC156551	WIPF3
A_33_P3261914	5,53505	5,4817	1,037671647	N/A	102724738	XR_426195	LOC102724738
A_22_P00004523	5,11911	5,06577	1,037664454	ENST00000441272	N/A	N/A	N/A
A_21_P0007498	1,56983	1,5165	1,037657262	ENST00000512624	101927592	NR_104646	LOC101927592
A_22_P00004115	1,46737	1,41404	1,037657262	ENST00000509548	N/A	N/A	N/A
A_21_P0010574	1,62169	1,56836	1,037657262	N/A	N/A	N/A	XLOC_I2_000604
A_24_P41850	1,61235	1,55902	1,037657262	ENST00000169293	5648	NM_001031849	MASP1
A_22_P00012989	1,51499	1,46167	1,037650069	N/A	100874095	NR_046662	ADIPOQ-AS1
A_33_P3363305	9,80602	9,7527	1,037650069	ENST00000511464	N/A	N/A	N/A
A_23_P212608	1,50504	1,45173	1,037642877	ENST00000620185	64084	NM_022131	CLSTN2
A_33_P3424477	1,65771	1,6044	1,037642877	ENST00000394488	9348	AY358852	NDST3
A_24_P346807	10,7993	10,746	1,037635684	ENST00000373700	26091	NM_022079	HERC4
A_24_P43144	1,57927	1,52597	1,037635684	ENST00000466790	50940	NM_001077358	PDE11A
A_21_P0001354	1,47171	1,41842	1,037628492	N/A	N/A	N/A	Inc-S1PR1-2
A_21_P0014430	1,58079	1,5275	1,037628492	ENST00000625149	642757	NR_122047	TBC1D22A-AS1
A_33_P3337549	1,43986	1,38658	1,0376213	ENST00000443026	340273	NM_001163942	ABCB5
A_22_P00013394	1,49208	1,4388	1,0376213	ENST00000548344	N/A	BX099885	N/A
A_33_P3390017	1,69639	1,64311	1,0376213	ENST00000318578	400360	NM_207445	C15orf54
A_22_P00021445	1,54617	1,49289	1,0376213	N/A	N/A	N/A	Inc-ALPL-1
A_23_P324419	1,70885	1,65557	1,0376213	ENST00000313965	165100	NM_152614	C2orf57
A_23_P705	1,69987	1,64659	1,0376213	ENST00000368152	343406	NM_001004472	OR10R2
A_33_P3275702	1,47039	1,41712	1,037614108	ENST00000209929	2327	NM_001460	FMO2
A_23_P147786	1,46097	1,4077	1,037614108	ENST00000406091	9699	NM_014677	RIMS2
A_23_P359746	1,51511	1,46184	1,037614108	ENST00000547270	5726	NM_176817	TAS2R38
A_21_P0002772	1,5155	1,46224	1,037606915	ENST00000465880	N/A	N/A	N/A
A_22_P00013614	1,58513	1,53187	1,037606915	N/A	N/A	N/A	Inc-RP11-579D7.1.1-1
A_21_P0005547	1,49965	1,4464	1,037599723	N/A	N/A	N/A	Inc-AC099552.4.1-2
A_23_P116640	1,51787	1,46462	1,037599723	ENST00000328813	79345	NM_033180	OR51B2
A_33_P3371260	1,63813	1,58488	1,037599723	N/A	N/A	N/A	N/A
A_21_P0006820	1,42908	1,37583	1,037599723	N/A	N/A	N/A	Inc-AKR1E2-3

A_23_P339588	1,48202	1,42877	1,037599723	ENST00000338313	117289	NM_138810	TAGAP
A_22_P00018959	1,70448	1,65125	1,037585339	N/A	N/A	N/A	Inc-FMN2-1
A_33_P3302577	1,5124	1,45917	1,037585339	ENST00000261654	283383	NM_198827	GPR133
A_21_P0014221	4,70291	4,64969	1,037578147	ENST00000518854	100507464	XR_108905	LOC100507464
A_22_P00014243	1,51965	1,46643	1,037578147	N/A	N/A	N/A	Inc-SEL1L-8
A_21_P0004596	1,43044	1,37722	1,037578147	ENST00000616994	N/A	N/A	N/A
A_33_P3376302	1,74089	1,68767	1,037578147	N/A	N/A	DA144211	N/A
A_22_P00009786	1,66663	1,61342	1,037570955	ENST00000506978	N/A	N/A	N/A
A_22_P00001938	1,58988	1,53668	1,037563763	ENST00000435832	N/A	N/A	N/A
A_23_P38603	1,54838	1,49519	1,037556572	ENST00000390661	84616	NM_032524	KRTAP4-4
A_22_P00006281	1,62812	1,57494	1,03754938	N/A	N/A	N/A	Inc-FAM78A-1
A_33_P3422270	1,46136	1,40818	1,03754938	ENST00000529417	N/A	N/A	N/A
A_22_P00004987	1,64081	1,58764	1,037542188	ENST00000512487	728081	NR_033918	LINC00290
A_33_P3414734	1,51402	1,46085	1,037542188	N/A	N/A	N/A	Inc-ZNF395-2
A_22_P00009943	1,70357	1,65041	1,037534996	N/A	N/A	N/A	Inc-MIER3-2
A_21_P0013844	1,52225	1,46909	1,037534996	ENST00000506270	280659	N/A	SSX8
A_22_P00021223	1,51889	1,46574	1,037527805	N/A	100628307	NR_038355	DIO2-AS1
A_21_P0006609	1,51103	1,45789	1,037520613	ENST00000412114	645528	NR_026793	LINC00264
A_22_P00008655	1,48962	1,43649	1,037513422	N/A	N/A	N/A	Inc-KIAA0196-1
A_33_P3386147	1,68446	1,63134	1,03750623	N/A	N/A	N/A	N/A
A_22_P00022508	1,623	1,56988	1,03750623	ENST00000441870	N/A	N/A	N/A
A_22_P00024767	1,4188	1,36569	1,037499039	N/A	N/A	N/A	Inc-ADAMTS18-3
A_33_P3369864	1,46682	1,41371	1,037499039	N/A	N/A	N/A	N/A
A_22_P00024074	1,44946	1,39636	1,037491848	ENST00000536639	101927531	XR_242968	LOC101927531
A_23_P420359	1,61843	1,56533	1,037491848	ENST00000615814	80070	NM_025003	ADAMTS20
A_21_P0004909	1,53087	1,47777	1,037491848	N/A	N/A	N/A	Inc-GJA10-7
A_21_P0002972	1,57975	1,52665	1,037491848	N/A	N/A	N/A	Inc-MITF-3
A_22_P00006063	1,54508	1,49198	1,037491848	N/A	101927958	XR_431549	LOC101927958
A_33_P3263955	1,42172	1,36863	1,037484656	ENST00000406721	414332	NM_001001712	LCN10
A_23_P54357	1,45853	1,40544	1,037484656	ENST00000307144	92483	NM_033195	LDHAL6B
A_33_P3373308	1,52122	1,46813	1,037484656	ENST00000400982	440700	NR_036683	LOC440700
A_23_P339240	1,44154	1,38846	1,037477465	ENST00000447496	23007	NM_014996	PLCH1
A_23_P78571	6,95199	6,89891	1,037477465	ENST00000590900	125965	NM_144613	COX6B2

A_22_P00009423	1,63147	1,5784	1,037470274	ENST00000437118	N/A	N/A	N/A
A_22_P00021563	1,7264	1,67333	1,037470274	ENST00000413286	N/A	N/A	N/A
A_33_P6814770	1,73089	1,67782	1,037470274	ENST00000459923	646168	NR_033843	LINC01330
A_33_P3748769	1,55008	1,49702	1,037463083	ENST00000592917	388406	NR_126009	LOC388406
A_23_P257307	1,41519	1,36214	1,037455891	ENST00000487487	6906	NM_000354	SERPINA7
A_23_P327562	1,69424	1,6412	1,0374487	ENST00000367387	56956	NM_020204	LHX9
A_22_P00021404	1,59359	1,54055	1,0374487	ENST00000558010	N/A	AW962911	N/A
A_21_P0010299	1,41596	1,36293	1,037441509	N/A	N/A	N/A	Inc-ICOSLG-3
A_33_P3234555	1,67761	1,62458	1,037441509	ENST00000554862	101929241	N/A	LOC101929241
A_21_P0008047	1,58364	1,53061	1,037441509	N/A	N/A	N/A	Inc-NBEA-4
A_33_P3396858	1,57736	1,52434	1,037434318	N/A	N/A	N/A	Inc-PCSK1N-1
A_22_P00023219	5,76909	5,71607	1,037434318	ENST00000543604	N/A	XR_158866	N/A
A_24_P271830	1,58207	1,52906	1,037427127	ENST00000313495	284034	NR_034145	LINC00670
A_33_P3381490	1,45046	1,39746	1,037419937	N/A	26257	NM_014360	NKX2-8
A_22_P00007925	1,52719	1,47419	1,037419937	N/A	100507064	NR_038288	TEX26-AS1
A_23_P144639	10,9964	10,9434	1,037419937	ENST00000515265	55374	NM_018502	TMCO6
A_22_P00009180	1,41805	1,36506	1,037412746	ENST00000512105	N/A	XR_246572	N/A
A_33_P3423330	1,48673	1,43374	1,037412746	N/A	415056	NR_024369	CNTFR-AS1
A_22_P00001088	1,6188	1,56582	1,037405555	ENST00000447557	101928277	XR_245602	LOC101928277
A_22_P00005326	1,52199	1,46901	1,037405555	N/A	N/A	N/A	Inc-DOCK4-1
A_22_P00015860	1,41523	1,36226	1,037398364	N/A	N/A	N/A	Inc-TBL1XR1-9
A_22_P00010279	1,50377	1,4508	1,037398364	ENST00000532770	N/A	N/A	N/A
A_21_P0005825	1,61582	1,56286	1,037391174	ENST00000521030	N/A	N/A	N/A
A_22_P00021163	1,51491	1,46196	1,037383983	ENST00000417650	N/A	N/A	N/A
A_23_P419760	1,516	1,46307	1,037369602	ENST00000433368	10321	NM_006061	CRISP3
A_21_P0009638	1,52903	1,4761	1,037369602	N/A	N/A	N/A	Inc-FBXO15-5
A_33_P3260053	8,91694	8,86402	1,037362411	ENST00000372314	83543	NM_001185095	AIF1L
A_21_P0014270	1,42702	1,3741	1,037362411	ENST00000534653	N/A	BX089531	N/A
A_32_P715038	1,6891	1,63619	1,037355221	N/A	N/A	AF251048	N/A
A_33_P3243707	8,74694	8,69404	1,037348031	ENST00000209884	27252	NM_014458	KLHL20
A_23_P201636	14,7116	14,6587	1,037348031	ENST00000264144	3918	NM_005562	LAMC2
A_21_P0008122	1,55019	1,49729	1,037348031	ENST00000440860	101928616	NR_120401	LINC00354
A_23_P47019	1,54126	1,48836	1,037348031	ENST00000496797	8513	NM_004190	LIPF

A_22_P00022349	1,55938	1,50648	1,037348031	N/A	N/A	BX111358	Inc-HMHB1-3
A_21_P0010653	1,59478	1,54188	1,037348031	N/A	N/A	N/A	XL0C_I2_001097
A_33_P3375859	1,6269	1,57401	1,03734084	ENST00000439871	3580	NR_002712	CXCR2P1
A_21_P0005006	1,5342	1,48131	1,03734084	N/A	N/A	N/A	Inc-ATXN1-2
A_33_P3275610	1,55205	1,49916	1,03734084	N/A	N/A	AK123256	N/A
A_22_P00024286	1,60778	1,55489	1,03734084	N/A	N/A	BX117128	Inc-SERAC1-1
A_21_P0003379	1,62479	1,57191	1,03733365	ENST00000507739	N/A	N/A	N/A
A_21_P0007483	1,44675	1,39387	1,03733365	ENST00000539019	8082	N/A	SSPN
A_23_P320846	1,58842	1,53555	1,03732646	ENST00000382410	245938	NM_153325	DEFB125
A_22_P00023067	1,54483	1,49196	1,03732646	N/A	N/A	N/A	Inc-KLHL25-2
A_33_P3405509	1,54246	1,4896	1,03731927	ENST00000602297	347541	NM_001271752	MAGEB5
A_33_P3459365	1,69892	1,64607	1,037312079	ENST00000471357	339894	NR_034007	LINC00880
A_21_P0009281	1,52837	1,47552	1,037312079	N/A	N/A	N/A	Inc-TNRC6C-1
A_22_P00016169	1,72937	1,67652	1,037312079	ENST00000568767	N/A	AK095129	N/A
A_24_P148717	1,53158	1,47874	1,037304889	ENST00000296140	1230	NM_001295	CCR1
A_23_P19529	1,61129	1,55845	1,037304889	ENST00000266003	4295	NM_001040109	MLN
A_24_P217628	1,57673	1,52389	1,037304889	ENST00000449207	56979	NM_020227	PRDM9
A_22_P00001359	1,77215	1,71932	1,037297699	N/A	N/A	N/A	Inc-AP001496.1-7
A_21_P0014527	1,41548	1,36266	1,037290509	N/A	N/A	N/A	N/A
A_21_P0012581	1,85798	1,80517	1,037283319	N/A	101928721	XR_425724	LOC101928721
A_33_P3415668	1,6553	1,60249	1,037283319	N/A	643923	NR_028328	LOC643923
A_21_P0013494	1,665	1,61219	1,037283319	N/A	N/A	N/A	XL0C_I2_014234
A_22_P00019592	10,9509	10,8981	1,03727613	ENST00000462783	65005	NM_001300733	MRPL9
A_21_P0004975	1,54442	1,49162	1,03727613	N/A	N/A	N/A	Inc-SMOC2-8
A_24_P128713	1,58706	1,53426	1,03727613	ENST00000328737	91526	AK097086	ANKRD44
A_23_P167872	1,53097	1,47818	1,03726894	ENST00000296862	222611	NM_153839	GPR111
A_21_P0002652	1,57776	1,52497	1,03726894	N/A	N/A	N/A	Inc-AC011239.1.1-1
A_24_P359246	1,62776	1,57497	1,03726894	ENST00000374432	414260	NR_033923	LINC00619
A_23_P167358	8,36983	8,31706	1,03725456	ENST00000611882	80167	NM_001039717	C4orf29
A_21_P0007994	3,60056	3,54779	1,03725456	ENST00000425350	100129597	N/A	LINC00462
A_33_P3280163	1,4408	1,38803	1,03725456	ENST00000519497	441317	NR_046343	FAM90A7P
A_22_P00006864	4,15422	4,10145	1,03725456	N/A	N/A	AI203150	Inc-GALM-1
A_23_P257538	8,73458	8,68181	1,03725456	ENST00000337227	10741	NM_006606	RBBP9

A_21_P0002262	1,48898	1,43622	1,037247371	N/A	N/A	N/A	Inc-IL1R1-1
A_33_P3326827	1,58008	1,52732	1,037247371	N/A	N/A	N/A	N/A
A_22_P00000265	1,64823	1,59549	1,037232991	N/A	101927557	NR_110808	LOC101927557
A_22_P00014925	1,58245	1,52972	1,037225802	ENST00000472120	101928405	XR_241610	LOC101928405
A_24_P16326	1,67616	1,62343	1,037225802	ENST00000473767	6092	NM_002942	ROBO2
A_21_P0007660	1,74982	1,69709	1,037225802	N/A	N/A	N/A	Inc-TMEM132B-12
A_21_P0003874	1,54637	1,49365	1,037218612	N/A	N/A	N/A	Inc-ZFP42-2
A_22_P00013049	1,72828	1,67557	1,037211423	N/A	N/A	N/A	Inc-RGS7-2
A_24_P161036	12,2044	12,1517	1,037204234	ENST00000311148	641371	NM_001037161	ACOT1
A_33_P3417141	11,2397	11,187	1,037204234	ENST00000445755	115098	NM_138442	CCDC124
A_33_P3247331	1,52586	1,47316	1,037204234	ENST00000345015	3784	AF003743	KCNQ1
A_33_P3417950	11,2005	11,1478	1,037204234	ENST00000598597	10270	NM_005858	AKAP8
A_22_P00017152	1,43029	1,3776	1,037197044	N/A	101928731	NR_110093	LOC101928731
A_24_P82749	1,41981	1,36713	1,037189855	ENST00000595725	951	NM_001774	CD37
A_22_P00001376	1,66304	1,61036	1,037189855	N/A	N/A	N/A	Inc-AP1G1-1
A_21_P0008194	1,54763	1,49495	1,037189855	N/A	N/A	N/A	Inc-SLITRK6-3
A_33_P3245115	1,58942	1,53675	1,037182666	N/A	N/A	N/A	N/A
A_33_P3381177	1,61465	1,56198	1,037182666	ENST00000390307	N/A	N/A	N/A
A_22_P00008253	1,42717	1,37451	1,037175477	N/A	N/A	N/A	Inc-IRS2-1
A_33_P3328327	1,53875	1,48609	1,037175477	N/A	N/A	N/A	Inc-C8orf59-1
A_22_P00004767	1,54201	1,48936	1,037168287	N/A	N/A	N/A	Inc-CTTNBP2-3
A_22_P00010668	1,41584	1,3632	1,037161098	ENST00000582571	400655	NR_034133	LOC400655
A_33_P3362536	1,50889	1,45625	1,037161098	N/A	N/A	AF119863	N/A
A_21_P0001370	1,45472	1,40209	1,037153909	N/A	N/A	N/A	Inc-FAM72B-4
A_21_P0003158	1,42525	1,37262	1,037153909	N/A	N/A	N/A	Inc-RETNLB-2
A_21_P0011556	1,44784	1,39521	1,037153909	N/A	N/A	N/A	XLOC_I2_005915
A_33_P3312232	1,63532	1,5827	1,03714672	ENST00000569306	647166	NR_102432	LINC00371
A_33_P3273118	1,71989	1,66727	1,03714672	N/A	N/A	N/A	N/A
A_33_P3274627	1,54938	1,49677	1,037139531	ENST00000588355	8715	XM_006722563	NOL4
A_33_P3383084	1,53608	1,48347	1,037139531	N/A	N/A	N/A	N/A
A_21_P0005981	1,59958	1,54698	1,037132343	N/A	N/A	N/A	Inc-TSTA3-1
A_23_P12272	11,9703	11,9177	1,037132343	ENST00000236412	5511	NM_138558	PPP1R8
A_33_P3374378	4,03206	3,97947	1,037125154	ENST00000392869	79712	AK126774	GTDC1

A_22_P00014748	1,63924	1,58665	1,037125154	ENST00000453087	N/A	N/A	N/A
A_33_P3283992	1,63442	1,58183	1,037125154	ENST00000335820	79891	NM_024833	ZNF671
A_23_P93105	1,57925	1,52667	1,037117965	ENST00000402938	2570	NM_002043	GABRR2
A_22_P00012865	1,59749	1,54491	1,037117965	N/A	101928658	XR_245255	LOC101928658
A_23_P408206	1,67509	1,62251	1,037117965	ENST00000300504	161514	NM_153356	TBC1D21
A_21_P0012023	1,57943	1,52685	1,037117965	ENST00000431979	101927994	N/A	LINC01087
A_21_P0012615	1,41459	1,36201	1,037117965	N/A	N/A	N/A	XLOC_I2_010843
A_33_P3236724	1,60309	1,55051	1,037117965	ENST00000303786	10887	NM_138964	PROKR1
A_21_P0004330	1,53868	1,48611	1,037110776	N/A	N/A	N/A	Inc-CTB-78H18.1.1-1
A_22_P00003732	1,62411	1,57155	1,037103588	ENST00000563061	N/A	N/A	N/A
A_24_P27234	1,64785	1,5953	1,037096399	ENST00000451604	6660	NM_152989	SOX5
A_33_P3406816	1,58495	1,53241	1,03708921	N/A	N/A	DR001172	N/A
A_21_P0005377	1,69177	1,63924	1,037082022	N/A	N/A	N/A	Inc-C7orf65-2
A_21_P0002223	1,69072	1,63819	1,037082022	ENST00000427421	400955	NR_033873	LINC01122
A_23_P407472	1,42666	1,37413	1,037082022	ENST00000296271	6010	NM_000539	RHO
A_21_P0002331	2,2959	2,24337	1,037082022	N/A	N/A	N/A	Inc-WDR75-1
A_33_P3252699	1,64296	1,59044	1,037074833	N/A	N/A	N/A	Inc-GLIPR1L1-1
A_22_P00014783	1,53637	1,48385	1,037074833	N/A	N/A	AF088013	Inc-SLC38A8-3
A_21_P0013474	1,42517	1,37266	1,037067645	ENST00000523451	N/A	N/A	N/A
A_33_P3221414	1,50925	1,45674	1,037067645	ENST00000370068	22854	N/A	NTNG1
A_22_P00000620	1,54497	1,49246	1,037067645	N/A	N/A	DB026626	Inc-ACOX3-3
A_23_P167497	3,80197	3,74947	1,037060457	ENST00000333274	1946	NM_001962	EFNA5
A_33_P3268294	1,42913	1,37665	1,03704608	N/A	N/A	N/A	N/A
A_21_P0004370	1,53555	1,48307	1,03704608	N/A	N/A	N/A	Inc-CDH9-7
A_32_P221907	1,45218	1,39971	1,037038892	ENST00000375007	10665	NM_006781	C6orf10
A_21_P0010869	1,72314	1,67067	1,037038892	ENST00000443534	N/A	N/A	N/A
A_33_P3377703	1,7332	1,68074	1,037031703	ENST00000602724	400110	NR_073430	ANKRD20A19P
A_33_P3287997	3,35906	3,3066	1,037031703	ENST00000316786	414318	NM_001012715	C9orf106
A_22_P00013671	1,57881	1,52635	1,037031703	ENST00000532316	103695364	NR_125759	PKNOX2-AS1
A_23_P115200	1,60948	1,55702	1,037031703	ENST00000448509	83417	NM_031282	FCRL4
A_22_P00006811	1,58231	1,52986	1,037024515	N/A	N/A	R18879	Inc-GABPA-5
A_24_P522864	1,6849	1,63245	1,037024515	ENST00000583262	84815	NR_026880	MGC12916
A_22_P00002509	1,60892	1,55647	1,037024515	N/A	N/A	AV682647	Inc-C16orf78-5

A_33_P3249401	1,64024	1,58781	1,037010139	ENST00000391859	951	AK058093	CD37
A_21_P0003475	1,54704	1,49461	1,037010139	ENST00000508825	N/A	N/A	N/A
A_24_P734268	1,57871	1,52629	1,037002951	ENST00000424431	138240	NM_001128618	C9orf57
A_22_P00019257	1,52992	1,4775	1,037002951	ENST00000547569	N/A	N/A	N/A
A_33_P3302295	1,69446	1,64205	1,036995763	ENST00000320354	2303	NM_005251	FOXC2
A_33_P3214570	1,53199	1,47958	1,036995763	N/A	N/A	N/A	XLOC_I2_010591
A_33_P3230244	1,58045	1,52805	1,036988575	ENST00000537824	64478	NM_033225	CSMD1
A_21_P0006965	1,57148	1,51908	1,036988575	N/A	N/A	N/A	Inc-C10orf31-10
A_22_P00005461	1,43751	1,38512	1,036981388	ENST00000549278	N/A	N/A	N/A
A_22_P00015571	1,53477	1,4824	1,036967012	N/A	100874206	NR_049771	OSBPL10-AS1
A_23_P34888	3,92446	3,87209	1,036967012	ENST00000369740	27159	NM_021797	CHIA
A_23_P388061	1,63235	1,57999	1,036959824	ENST00000393752	1812	NM_000794	DRD1
A_23_P12746	1,63154	1,57918	1,036959824	ENST00000569591	4360	NM_002438	MRC1
A_22_P00016731	1,46039	1,40805	1,036945449	ENST00000485384	N/A	N/A	N/A
A_21_P0001570	1,53362	1,48129	1,036938262	N/A	N/A	N/A	Inc-NGF-1
A_22_P00000928	5,03485	4,98252	1,036938262	N/A	493900	NR_073431	TMEM9B-AS1
A_21_P0006785	1,59377	1,54145	1,036931074	N/A	N/A	N/A	Inc-PKD2L1-1
A_22_P00025895	1,61752	1,5652	1,036931074	N/A	N/A	N/A	Inc-AGPS-3
A_22_P00014159	1,42377	1,37145	1,036931074	N/A	N/A	N/A	Inc-SCP2-1
A_22_P00007302	1,62962	1,5773	1,036931074	N/A	101928161	NR_110294	LOC101928161
A_33_P3224095	1,4121	1,35978	1,036931074	ENST00000482617	728290	XR_245079	LOC728290
A_23_P320124	1,67927	1,62696	1,036923887	ENST00000453669	170949	NR_036686	DEFT1P
A_22_P00006961	1,57531	1,523	1,036923887	N/A	N/A	N/A	Inc-GCNT7-2
A_22_P00017375	1,66197	1,60966	1,036923887	N/A	102725193	XR_431115	LOC102725193
A_21_P0002904	1,45095	1,39864	1,036923887	ENST00000495159	N/A	N/A	N/A
A_33_P3268875	1,59412	1,54181	1,036923887	N/A	N/A	AF370394	N/A
A_33_P3281990	1,58151	1,5292	1,036923887	ENST00000537935	390079	NM_001005168	OR52E8
A_21_P0011277	1,58054	1,52824	1,036916699	ENST00000454942	N/A	N/A	N/A
A_32_P780817	1,5111	1,4588	1,036916699	ENST00000620885	541466	NM_001017417	CT45A1
A_24_P408704	1,49377	1,44147	1,036916699	ENST00000524185	1794	NM_004946	DOCK2
A_21_P0002073	9,83851	9,78621	1,036916699	ENST00000422600	N/A	N/A	N/A
A_21_P0005663	1,59691	1,54462	1,036909512	N/A	N/A	N/A	Inc-SH2D4A-2
A_21_P0005142	1,5171	1,46481	1,036909512	N/A	N/A	N/A	Inc-SNX9-2

A_33_P3283320	1,59652	1,54423	1,036909512	ENST00000302084	343169	NM_001005286	OR6F1
A_23_P160902	1,55345	1,50116	1,036909512	ENST00000324863	83953	NM_001170631	FCAMR
A_22_P00023311	1,54567	1,49339	1,036902325	N/A	N/A	AK125000	Inc-TTC23-1
A_21_P0004233	1,61478	1,56253	1,036880763	N/A	N/A	N/A	Inc-FBXL7-4
A_22_P00015427	1,60529	1,55304	1,036880763	N/A	N/A	N/A	Inc-SSBP3-1
A_21_P0011005	1,59145	1,5392	1,036880763	N/A	N/A	N/A	XLOC_I2_002603
A_22_P00000565	1,77384	1,7216	1,036873576	N/A	100133172	N/A	FAM66A
A_21_P0008610	1,61139	1,55915	1,036873576	N/A	N/A	N/A	Inc-C15orf41-2
A_21_P0006118	1,44259	1,39035	1,036873576	N/A	102723793	XR_426383	LOC102723793
A_33_P3382403	1,45806	1,40582	1,036873576	ENST00000428649	727830	NM_001083124	SPATA31A3
A_33_P3613605	1,42136	1,36914	1,036859202	N/A	N/A	CV389518	N/A
A_32_P380675	1,44196	1,38975	1,036852015	ENST00000619221	80852	NM_001080423	GRIP2
A_23_P203790	13,6675	13,6153	1,036844828	ENST00000546916	10956	NM_006812	OS9
A_32_P57702	12,1005	12,0483	1,036844828	ENST00000414815	641746	NR_033245	LOC641746
A_22_P00012714	1,53553	1,48333	1,036844828	N/A	N/A	N/A	Inc-RAB30-1
A_23_P2258	1,76558	1,71338	1,036844828	ENST00000341952	84660	NM_201435	CCDC62
A_33_P3370612	1,42925	1,37705	1,036844828	N/A	N/A	N/A	N/A
A_22_P00021952	1,57491	1,52272	1,036837641	N/A	N/A	N/A	Inc-CPT2-6
A_33_P3220302	1,42407	1,37189	1,036830455	ENST00000294635	N/A	N/A	N/A
A_22_P00016339	5,61222	5,56005	1,036823268	ENST00000504382	N/A	N/A	N/A
A_22_P00017272	1,52471	1,47255	1,036816081	ENST00000589471	N/A	N/A	N/A
A_22_P00006835	1,63112	1,57897	1,036808895	N/A	100289178	NR_040077	GNG12-AS1
A_21_P0007658	1,42788	1,37574	1,036801708	N/A	101927491	XR_242966	LOC101927491
A_21_P0012642	1,72329	1,67115	1,036801708	N/A	N/A	N/A	XLOC_I2_010976
A_33_P3268124	7,84423	7,7921	1,036794521	ENST00000309495	55279	NM_018293	ZNF654
A_21_P0013407	1,41137	1,35924	1,036794521	ENST00000453278	N/A	XR_108804	N/A
A_21_P0012842	1,46309	1,41096	1,036794521	N/A	N/A	N/A	XLOC_I2_011704
A_22_P00005507	1,46993	1,4178	1,036794521	N/A	N/A	N/A	Inc-E2F7-2
A_33_P3216013	1,46684	1,41471	1,036794521	N/A	N/A	N/A	N/A
A_21_P0004823	1,57671	1,52459	1,036787335	N/A	N/A	N/A	Inc-BPHL-2
A_22_P00017673	1,57869	1,52657	1,036787335	N/A	N/A	N/A	Inc-WRNIP1-3
A_22_P00012018	1,53646	1,48435	1,036780149	N/A	N/A	N/A	Inc-PLD6-1
A_21_P0005913	1,6593	1,60719	1,036780149	N/A	N/A	N/A	Inc-ZFAT-5



A_22_P00012750	1,67281	1,6207	1,036780149	N/A	N/A	N/A	Inc-RACGAP1-2
A_24_P234768	1,52809	1,47599	1,036772962	ENST00000362016	3360	NM_001040173	HTR4
A_23_P356717	1,4122	1,3601	1,036772962	ENST00000549493	56899	NM_181670	ANKS1B
A_21_P0000614	1,49441	1,44232	1,036765776	N/A	64735	NR_033914	LINC00254
A_21_P0001640	1,56743	1,51535	1,03675859	N/A	N/A	N/A	Inc-AGT-1
A_21_P0003668	1,55371	1,50165	1,036744217	N/A	N/A	N/A	Inc-TDO2-1
A_21_P0008053	1,62428	1,57222	1,036744217	N/A	N/A	N/A	Inc-COG6-1
A_22_P00010046	1,52249	1,47043	1,036744217	N/A	N/A	BF772485	Inc-MOCS1-1
A_23_P328022	3,45966	3,4076	1,036744217	ENST00000395643	125206	NM_152351	SLC5A10
A_21_P0007665	1,61691	1,56486	1,036737031	N/A	N/A	N/A	Inc-TMEM132C-6
A_22_P00024842	1,59689	1,54485	1,036729845	N/A	N/A	BG171208	Inc-FAM54A-1
A_21_P0003818	1,64745	1,59541	1,036729845	N/A	N/A	N/A	Inc-SORBS2-2
A_22_P00004354	1,45124	1,3992	1,036729845	ENST00000517640	N/A	N/A	N/A
A_23_P203255	8,49795	8,44592	1,036722659	ENST00000424316	8539	NM_006595	API5
A_22_P00015392	7,63356	7,58153	1,036722659	N/A	N/A	BC132680	Inc-SRGAP3-1
A_21_P0002973	1,54956	1,49753	1,036722659	N/A	N/A	N/A	Inc-MITF-4
A_23_P421401	1,61898	1,56695	1,036722659	ENST00000261799	5159	NM_002609	PDGFRB
A_33_P3352827	1,7293	1,67727	1,036722659	ENST00000235739	6504	NM_003037	SLAMF1
A_22_P00011993	1,77449	1,72247	1,036715473	N/A	N/A	AK302898	Inc-PLCB1-1
A_21_P0007743	1,4292	1,37718	1,036715473	N/A	N/A	N/A	Inc-RP11-167N24.6.1-1
A_33_P3326439	1,43093	1,37891	1,036715473	N/A	N/A	N/A	N/A
A_33_P3358943	1,62439	1,57238	1,036708287	ENST00000464585	2912	NM_000839	GRM2
A_21_P0002715	1,58096	1,52896	1,036701101	ENST00000462010	N/A	N/A	N/A
A_33_P3325009	16,7368	16,6848	1,036701101	N/A	5999	BC000737	RGS4
A_22_P00015323	1,67881	1,62682	1,036693915	N/A	N/A	N/A	Inc-SPP2-1
A_22_P00010811	5,11425	5,06226	1,036693915	N/A	N/A	N/A	Inc-NMNAT1-3
A_33_P6497803	1,58594	1,53395	1,036693915	ENST00000505122	100996694	NR_121639	LOC100996694
A_33_P3319276	1,7124	1,66042	1,036686729	ENST00000490605	51252	NM_001122646	FAM178B
A_22_P00011552	1,64944	1,59746	1,036686729	ENST00000512039	N/A	N/A	N/A
A_23_P91636	1,60253	1,55055	1,036686729	ENST00000414583	29774	NR_003714	POM121L9P
A_23_P143621	1,48875	1,43678	1,036679544	ENST00000215939	1414	NM_001887	CRYBB1
A_24_P151106	1,44036	1,38839	1,036679544	ENST00000301318	140612	NM_020828	ZFP28
A_21_P0011050	1,6904	1,63844	1,036672358	N/A	N/A	N/A	XLOC_I2_003052

A_21_P0014190	4,13062	4,07866	1,036672358	ENST00000313156	101927181	NR_108066	LOC101927181
A_21_P0006552	1,42892	1,37697	1,036665172	N/A	N/A	N/A	Inc-RBMX-3
A_24_P321709	1,42804	1,37609	1,036665172	ENST00000298355	114088	NM_015163	TRIM9
A_21_P0006573	1,59971	1,54777	1,036657987	N/A	100128420	NR_038461	LINC00892
A_23_P12554	1,60539	1,55345	1,036657987	ENST00000318222	9033	NM_016112	PKD2L1
A_21_P0008373	1,49006	1,43813	1,036650801	N/A	N/A	N/A	Inc-GPR65-2
A_33_P3366739	1,54464	1,49271	1,036650801	N/A	N/A	N/A	N/A
A_24_P302038	5,56058	5,50865	1,036650801	ENST00000432043	9873	NM_014824	FCHSD2
A_21_P0012565	1,5524	1,50049	1,03663643	ENST00000509015	N/A	N/A	N/A
A_21_P0003815	1,43803	1,38612	1,03663643	N/A	N/A	N/A	Inc-IRF2-1
A_21_P0007014	1,59515	1,54325	1,036629245	N/A	N/A	N/A	Inc-FGF8-1
A_21_P0002318	1,61448	1,56258	1,036629245	N/A	N/A	N/A	Inc-MTX2-1
A_22_P00019590	1,5733	1,52141	1,03662206	N/A	101927983	NR_120633	EDRF1-AS1
A_22_P00002103	1,48097	1,42908	1,03662206	ENST00000439913	N/A	BC035410	N/A
A_23_P16908	8,06507	8,01318	1,03662206	ENST00000620517	90957	NM_198963	DHX57
A_33_P8916977	1,4637	1,41182	1,036614874	N/A	286083	NR_111948	LOC286083
A_33_P3589420	1,41034	1,35846	1,036614874	ENST00000525984	387810	NR_104155	LOC387810
A_21_P0005668	1,62171	1,56983	1,036614874	ENST00000517573	286114	N/A	LOC286114
A_21_P0012876	1,42328	1,37141	1,036607689	N/A	N/A	N/A	XLOC_I2_011885
A_22_P00007881	3,49267	3,4408	1,036607689	N/A	N/A	N/A	Inc-HSCB-2
A_33_P3532659	1,50735	1,45548	1,036607689	N/A	102723888	XR_425823	LOC102723888
A_21_P0011542	4,58378	4,53192	1,036600504	N/A	N/A	N/A	XLOC_I2_005781
A_22_P00005972	1,44875	1,3969	1,036593319	N/A	N/A	BC025670	Inc-EZH2-3
A_22_P00003289	1,4109	1,35905	1,036593319	ENST00000453569	N/A	N/A	N/A
A_21_P0003425	1,70541	1,65357	1,036586134	ENST00000502846	N/A	N/A	N/A
A_23_P211543	1,46067	1,40883	1,036586134	ENST00000249016	2847	NM_005297	MCHR1
A_22_P00004131	1,49196	1,44012	1,036586134	N/A	101928734	NR_126473	WWC2-AS1
A_23_P39542	7,93019	7,87836	1,036578949	ENST00000498049	130355	NM_001017927	C2orf76
A_33_P3212949	1,62475	1,57292	1,036578949	ENST00000366943	7399	NM_206933	USH2A
A_33_P3379341	1,52689	1,47507	1,036571764	ENST00000622302	391322	NM_001144931	LOC391322
A_21_P0001047	1,68984	1,63802	1,036571764	ENST00000422480	N/A	N/A	N/A
A_22_P00001608	1,51773	1,46592	1,036564579	ENST00000510153	N/A	AA534202	N/A
A_24_P131236	1,51928	1,46747	1,036564579	ENST00000369146	9900	NM_014849	SV2A

A_21_P0004446	1,5427	1,4909	1,036557394	N/A	N/A	N/A	Inc-LECT2-1
A_21_P0003171	1,65424	1,60244	1,036557394	N/A	N/A	N/A	Inc-MGLL-1
A_21_P0004038	1,6906	1,6388	1,036557394	ENST00000511468	N/A	N/A	N/A
A_22_P00012680	1,52663	1,47483	1,036557394	ENST00000424162	N/A	N/A	N/A
A_21_P0014286	1,68179	1,62999	1,036557394	N/A	103625683	NR_125725	LINC00456
A_32_P58513	1,4268	1,37501	1,036550209	ENST00000389594	440184	NR_024338	LINC00238
A_21_P0002179	1,61894	1,56716	1,036543024	N/A	N/A	N/A	Inc-KCNS3-1
A_22_P00012619	1,5766	1,52482	1,036543024	N/A	N/A	BX100251	Inc-PTPRZ1-3
A_21_P0001906	1,42879	1,37701	1,036543024	ENST00000546223	677784	N/A	FAM138D
A_33_P3365601	4,90058	4,8488	1,036543024	ENST00000382252	100131017	NM_001278559	ZNF316
A_22_P00015583	1,42409	1,37233	1,036528655	ENST00000539532	N/A	BX641152	N/A
A_23_P384023	1,4233	1,37155	1,03652147	ENST00000381971	169792	NM_001042413	GLIS3
A_33_P3362267	1,62501	1,57326	1,03652147	N/A	26222	NR_026651	DGCR10
A_33_P3279590	1,47151	1,41977	1,036514285	ENST00000375561	4969	NM_033014	OGN
A_21_P0009994	1,55049	1,49876	1,036507101	N/A	N/A	N/A	Inc-PCMTD2-2
A_21_P0002580	1,5737	1,52199	1,036492732	N/A	729723	NR_034113	DNAJC27-AS1
A_22_P00011923	1,4219	1,37019	1,036492732	N/A	N/A	N/A	Inc-PITPNC1-2
A_22_P00015655	1,59654	1,54483	1,036492732	ENST00000553410	N/A	AA442376	N/A
A_21_P0006048	3,85116	3,79945	1,036492732	ENST00000565320	N/A	N/A	N/A
A_33_P3405193	1,45119	1,39949	1,036485547	N/A	29035	BC029878	C16orf72
A_33_P3259587	4,18296	4,13127	1,036478363	ENST00000530891	54581	NR_003654	SCAND2P
A_21_P0007369	1,68938	1,63769	1,036478363	N/A	N/A	N/A	Inc-PDE2A-1
A_33_P3234678	1,60591	1,55423	1,036471179	ENST00000621724	728495	NR_026801	FAM74A3
A_24_P623768	1,44591	1,39423	1,036471179	N/A	N/A	AF131813	Inc-GFAP-1
A_33_P3360997	4,21854	4,16687	1,036463995	ENST00000333684	7054	NM_199292	TH
A_21_P0014000	1,53953	1,48787	1,03645681	ENST00000615373	3812	NM_006737	KIR3DL2
A_22_P00010095	1,54598	1,49432	1,03645681	ENST00000444796	N/A	N/A	N/A
A_32_P525524	1,68328	1,63163	1,036449626	ENST00000439118	150771	NM_178495	ITPRIPL1
A_21_P0002002	1,69537	1,64373	1,036442442	ENST00000450397	N/A	N/A	N/A
A_24_P253780	4,55936	4,50773	1,036435258	ENST00000393547	80174	NM_145663	DBF4B
A_21_P0003984	1,41985	1,36824	1,03642089	N/A	N/A	N/A	Inc-RXFP3-1
A_21_P0002983	1,70222	1,65062	1,036413706	N/A	N/A	N/A	Inc-ROBO2-4
A_21_P0002301	1,54798	1,49638	1,036413706	N/A	N/A	N/A	Inc-KCNJ3-1

A_23_P50357	13,1044	13,0528	1,036413706	ENST00000359920	23370	NM_015318	ARHGEF18
A_22_P00014084	1,54029	1,4887	1,036406522	N/A	79804	NR_003679	HAND2-AS1
A_22_P00014423	1,45953	1,40794	1,036406522	ENST00000560700	N/A	DB069022	N/A
A_21_P0000165	1,43475	1,38317	1,036399339	ENST00000592644	100507527	NM_001278577	THEG5
A_33_P3381608	1,71244	1,66086	1,036399339	ENST00000289815	127731	NM_001039500	VWA5B1
A_22_P00014200	1,58561	1,53403	1,036399339	N/A	N/A	N/A	Inc-SEC13-1
A_21_P0003130	1,56327	1,51169	1,036399339	N/A	N/A	N/A	Inc-ZNF717-2
A_33_P3305835	1,73035	1,67878	1,036392155	ENST00000403807	7441	BC017922	VPREB1
A_23_P111860	1,50489	1,45333	1,036384971	ENST00000473130	55698	NM_018059	RADIL
A_21_P0010688	1,58022	1,52867	1,036377788	N/A	N/A	N/A	XLOC_I2_000018
A_24_P120907	1,57267	1,52113	1,036370604	ENST00000496758	5239	NM_021965	PGM5
A_33_P3383356	1,52478	1,47324	1,036370604	ENST00000548660	83468	XM_005269171	GLT8D2
A_21_P0014593	1,52858	1,47705	1,03636342	N/A	101926906	NR_120614	SLC16A12-AS1
A_21_P0009870	1,62258	1,57106	1,036356237	N/A	N/A	N/A	Inc-COL20A1-2
A_22_P00012567	1,40713	1,35561	1,036356237	N/A	349160	NR_046103	LOC349160
A_33_P3246523	2,09023	2,03871	1,036356237	ENST00000366474	26696	NM_030904	OR2T1
A_22_P00000637	1,53164	1,48013	1,036349053	N/A	731424	N/A	LOC731424
A_33_P3221318	1,44252	1,39102	1,03634187	N/A	N/A	N/A	N/A
A_21_P0006952	1,57793	1,52644	1,036334687	N/A	N/A	N/A	Inc-KLF6-5
A_33_P3289659	1,68862	1,63714	1,036327503	ENST00000402629	5265	BX248257	SERPINA1
A_22_P00003267	1,43098	1,37951	1,03632032	N/A	101928909	NR_110134	LOC101928909
A_21_P0000747	1,40823	1,35677	1,036313137	N/A	100506895	NR_038276	LOC100506895
A_33_P3354273	1,57397	1,52251	1,036313137	ENST00000482027	N/A	N/A	N/A
A_22_P00023139	1,46915	1,4177	1,036305954	N/A	N/A	N/A	Inc-SNW1-1
A_21_P0011900	1,62953	1,57809	1,036298771	N/A	N/A	N/A	Inc-CMPK2-6
A_21_P0008035	1,42773	1,3763	1,036291588	N/A	N/A	N/A	Inc-TNFRSF19-5
A_21_P0005851	1,56065	1,50922	1,036291588	N/A	102724687	XR_426327	LOC102724687
A_21_P0004731	1,72548	1,67405	1,036291588	ENST00000455973	N/A	N/A	N/A
A_24_P166397	1,72814	1,67672	1,036284405	ENST00000378214	9856	NM_014809	KIAA0319
A_21_P0009391	1,50884	1,45742	1,036284405	N/A	N/A	N/A	Inc-TBX2-1
A_21_P0008519	1,60484	1,55343	1,036277222	N/A	N/A	XM_005276451	Inc-KCNK13-1
A_21_P0004943	1,43251	1,38111	1,036270039	N/A	N/A	N/A	Inc-EYA4-1
A_23_P406341	12,3349	12,2835	1,036270039	ENST00000491814	84632	NM_001001936	AFAP1L2

A_33_P3260623	8,7421	8,69071	1,036262856	ENST00000279230	5331	NM_000932	PLCB3
A_23_P70643	1,69021	1,63882	1,036262856	ENST00000480328	79747	NM_024694	ADGB
A_22_P00020456	1,58259	1,5312	1,036262856	N/A	N/A	BC043562	Inc-LRRK1-3
A_33_P3271221	1,54591	1,49452	1,036262856	ENST00000313033	390155	NM_001004745	OR5T1
A_21_P0009291	1,47425	1,42286	1,036262856	N/A	N/A	N/A	Inc-AIPL1-2
A_21_P0001738	1,46712	1,41574	1,036255673	N/A	N/A	N/A	Inc-GDAP2-1
A_21_P0005008	1,52379	1,47241	1,036255673	N/A	N/A	N/A	Inc-MBOAT1-3
A_24_P288779	1,42093	1,36955	1,036255673	ENST00000351072	170627	NM_130775	XAGE5
A_22_P00015202	1,41685	1,36548	1,03624849	N/A	N/A	N/A	Inc-SOX2-1
A_22_P00010100	1,62217	1,57081	1,036241308	N/A	N/A	N/A	Inc-MRC2-1
A_33_P3249958	1,5933	1,54194	1,036241308	ENST00000400362	642852	NR_026943	LOC642852
A_33_P3251024	1,57977	1,52843	1,036226942	ENST00000274711	26045	NM_015564	LRRTM2
A_21_P0007261	1,64696	1,59563	1,03621976	N/A	N/A	N/A	Inc-RP11-201M22.1.1-3
A_21_P0000537	1,70288	1,65155	1,03621976	N/A	84070	NR_027450	FAM186B
A_23_P120902	1,68631	1,63498	1,03621976	ENST00000215886	3957	NM_006498	LGALS2
A_21_P0002121	1,58196	1,53065	1,036205395	N/A	N/A	N/A	Inc-AC009336.1-1
A_22_P00006831	1,73064	1,67933	1,036205395	N/A	N/A	XR_133565	Inc-GABRE-1
A_22_P00025459	1,69527	1,64396	1,036205395	ENST00000518042	N/A	BI826934	N/A
A_22_P00004642	1,6128	1,5615	1,036198213	ENST00000557101	N/A	N/A	N/A
A_21_P0014705	1,45154	1,40025	1,03619103	N/A	N/A	AK097628	Inc-TMEM211-1
A_22_P00022109	1,77171	1,72043	1,036183848	N/A	N/A	N/A	Inc-C7orf62-3
A_22_P00014728	1,48603	1,43475	1,036183848	N/A	N/A	N/A	Inc-SLC2A13-2
A_33_P3378420	1,68813	1,63685	1,036183848	N/A	N/A	DA760426	Inc-TNPO3-1
A_33_P3362498	9,02261	8,97134	1,036176666	ENST00000350721	545	NM_001184	ATR
A_22_P00018595	1,42603	1,37476	1,036176666	N/A	101928915	XR_242359	LOC101928915
A_32_P211418	1,43014	1,37888	1,036169483	ENST00000336387	139212	NM_173494	PIH1D3
A_21_P0003025	1,63163	1,58038	1,036162301	N/A	N/A	N/A	Inc-CCDC37-4
A_21_P0002033	1,53878	1,48756	1,036140755	ENST00000430051	N/A	N/A	N/A
A_21_P0000413	1,40917	1,35795	1,036140755	N/A	767594	NR_003209	SNORD114-16
A_22_P00002725	1,42178	1,37057	1,036133573	N/A	140848	NR_104193	MACROD2-IT1
A_24_P111147	1,65361	1,6024	1,036133573	ENST00000373955	65217	AL834134	PCDH15
A_23_P94412	1,68501	1,6338	1,036133573	ENST00000397747	80380	NM_025239	PDCD1LG2
A_21_P0004892	1,42052	1,36932	1,036126391	N/A	N/A	N/A	Inc-BAG2-4

A_33_P3363685	1,56819	1,51699	1,036126391	ENST00000307388	390054	NM_001005160	OR52A5
A_22_P00025177	1,72002	1,66884	1,036112028	N/A	N/A	N/A	Inc-WDR16-4
A_22_P00023221	1,5789	1,52772	1,036112028	ENST00000446733	N/A	N/A	N/A
A_21_P0010544	1,43162	1,38044	1,036112028	N/A	N/A	N/A	XLOC_I2_000353
A_21_P0010400	1,48747	1,4363	1,036104846	N/A	N/A	N/A	Inc-ADRBK2-1
A_33_P3367356	1,46906	1,4179	1,036097664	N/A	N/A	BC137370	N/A
A_23_P6293	1,75383	1,70267	1,036097664	ENST00000473381	53347	NM_018961	UBASH3A
A_24_P220855	1,62111	1,56996	1,036090482	ENST00000397145	80760	NM_001001851	ITIH5
A_21_P0007394	1,69574	1,64459	1,036090482	N/A	N/A	N/A	Inc-GUCY1A2-2
A_33_P3247210	6,60605	6,5549	1,036090482	N/A	N/A	N/A	N/A
A_22_P00019901	1,41521	1,36407	1,036083301	N/A	N/A	AJ003458	Inc-DSCR4-2
A_21_P0006689	1,62014	1,569	1,036083301	ENST00000435367	101929662	NR_120670	LOC101929662
A_22_P00021016	1,5706	1,51946	1,036083301	ENST00000417135	N/A	N/A	N/A
A_22_P00006341	1,64911	1,59798	1,036076119	ENST00000435557	N/A	DB025156	N/A
A_23_P218126	8,98525	8,93414	1,036061756	ENST00000612473	N/A	BC024289	N/A
A_22_P00009359	1,5518	1,50069	1,036061756	ENST00000446580	100507201	N/A	LOC100507201
A_23_P210176	13,691	13,6399	1,036054575	ENST00000264107	3655	NM_000210	ITGA6
A_21_P0008631	1,57072	1,51962	1,036054575	N/A	N/A	N/A	Inc-MAPK6-2
A_21_P0002569	1,6993	1,6482	1,036054575	N/A	N/A	N/A	Inc-RNF144A-1
A_22_P00001927	1,41777	1,36668	1,036047394	N/A	388428	NR_027255	AATK-AS1
A_22_P00004970	1,74636	1,69527	1,036047394	N/A	100873972	NR_046535	GPC6-AS1
A_23_P423427	1,84008	1,789	1,036040212	ENST00000304698	165215	NM_177454	FAM171B
A_21_P0014720	1,5744	1,52332	1,036040212	ENST00000562049	100508631	XR_112629	LOC100508631
A_23_P118615	1,49615	1,44507	1,036040212	ENST00000430352	10351	NM_007168	ABCA8
A_23_P309246	7,76636	7,71528	1,036040212	ENST00000394150	221785	NM_145115	ZSCAN25
A_21_P0014085	1,41314	1,36207	1,036033031	N/A	100506299	NR_110154	ID2-AS1
A_21_P0000568	1,40787	1,3568	1,036033031	N/A	644649	NR_028471	APOOP5
A_21_P0013664	1,58736	1,53629	1,036033031	ENST00000423171	101927258	NR_121180	LINC01474
A_33_P3324383	1,49405	1,44299	1,03602585	N/A	401720	NM_001013690	FIGNL2
A_21_P0003035	1,67589	1,62483	1,03602585	N/A	N/A	N/A	Inc-RNF7-1
A_21_P0002266	1,63402	1,58296	1,03602585	ENST00000451464	N/A	N/A	N/A
A_21_P0011974	1,64739	1,59633	1,03602585	N/A	N/A	N/A	XLOC_I2_008317
A_33_P3504522	1,58469	1,53364	1,036018669	N/A	388428	NR_027255	AATK-AS1

A_22_P00019780	1,41916	1,36811	1,036018669	N/A	N/A	AY156957	Inc-MYOM2-2
A_22_P00020988	3,53892	3,48788	1,036011487	N/A	N/A	N/A	Inc-RNF139-1
A_33_P3221618	1,40728	1,35624	1,036011487	ENST00000401957	9771	AL833195	RAPGEF5
A_21_P0000408	1,50643	1,45539	1,036011487	N/A	767589	NR_003204	SNORD114-11
A_21_P0013959	1,61377	1,56273	1,036011487	N/A	N/A	N/A	N/A
A_23_P12533	1,69134	1,64031	1,036004306	ENST00000611781	91074	NM_052997	ANKRD30A
A_24_P390909	1,60895	1,55792	1,036004306	ENST00000324001	57716	NM_181882	PRX
A_22_P00015834	1,57299	1,52196	1,036004306	N/A	N/A	BG419303	Inc-TBC1D3F-1
A_21_P0002229	1,61847	1,56745	1,035997125	N/A	N/A	N/A	Inc-ACTR2-3
A_21_P0013624	1,60545	1,55443	1,035997125	ENST00000446754	N/A	N/A	N/A
A_33_P3420367	1,57025	1,51925	1,035982764	ENST00000395703	125170	N/A	MIEF2
A_21_P0014486	1,53089	1,4799	1,035975583	N/A	N/A	AK131021	N/A
A_22_P00019082	1,63364	1,58265	1,035975583	ENST00000421132	N/A	N/A	N/A
A_21_P0009327	1,40961	1,35863	1,035968402	N/A	N/A	N/A	Inc-CCDC43-1
A_22_P00007231	1,62074	1,56976	1,035968402	ENST00000506984	N/A	N/A	N/A
A_21_P0006514	1,599	1,54802	1,035968402	N/A	N/A	N/A	Inc-STAG2-1
A_21_P0009899	1,44725	1,39628	1,035961221	N/A	N/A	N/A	Inc-PXMP4-1
A_33_P3598466	1,51029	1,45932	1,035961221	ENST00000426420	N/A	AY956767	N/A
A_32_P467550	1,60456	1,5536	1,03595404	ENST00000535163	N/A	BI771000	N/A
A_21_P0007754	1,42552	1,37458	1,035939679	N/A	N/A	N/A	Inc-NUAK1-3
A_33_P3379791	1,44558	1,39465	1,035932499	ENST00000418834	100507477	N/A	LOC100507477
A_33_P3358397	1,4199	1,36897	1,035932499	ENST00000382114	55203	NM_018176	LGI2
A_23_P23279	1,41058	1,35967	1,035918138	ENST00000537350	92241	NM_052862	RCS1
A_21_P0004537	1,49224	1,44133	1,035918138	N/A	N/A	N/A	Inc-ERGIC1-2
A_22_P00009224	1,55724	1,50634	1,035910957	N/A	100874082	NR_046612	HTR2A-AS1
A_21_P0005616	1,45863	1,40773	1,035910957	ENST00000522365	103352670	NR_122034	LINC01419
A_21_P0007582	1,6221	1,5712	1,035910957	N/A	N/A	N/A	Inc-GLIPR1L1-3
A_22_P00023979	1,59294	1,54204	1,035910957	ENST00000558621	101927286	NR_120324	LOC101927286
A_33_P3216605	1,76723	1,71633	1,035910957	N/A	9725	NM_014698	TMEM63A
A_21_P0011334	1,54914	1,49825	1,035903777	ENST00000559788	101929690	NR_120367	LINC01583
A_23_P259141	1,40646	1,35558	1,035896597	ENST00000461547	81030	NM_030776	ZBP1
A_22_P00001645	1,56921	1,51833	1,035896597	ENST00000443926	N/A	N/A	N/A
A_22_P00005401	1,60762	1,55674	1,035896597	ENST00000578039	N/A	N/A	N/A

A_21_P0004982	1,48753	1,43666	1,035889416	N/A	N/A	N/A	Inc-EXOC2-1
A_33_P3417427	1,48877	1,4379	1,035889416	N/A	N/A	AK127982	Inc-VIM-1
A_21_P0001357	1,59826	1,54739	1,035889416	N/A	N/A	N/A	Inc-AMY1C-2
A_22_P00020340	1,64845	1,59759	1,035882236	ENST00000523748	N/A	N/A	N/A
A_21_P0004968	1,47146	1,42061	1,035875056	N/A	N/A	N/A	Inc-QKI-5
A_24_P940644	1,43081	1,37996	1,035875056	ENST00000266058	6585	NM_003061	SLIT1
A_21_P0007113	1,40854	1,35769	1,035875056	N/A	N/A	N/A	Inc-PDLIM1-2
A_23_P337729	10,0277	9,97685	1,035875056	ENST00000238936	79847	NM_024789	TMEM180
A_33_P3240210	1,41934	1,3685	1,035867876	N/A	N/A	N/A	N/A
A_33_P3317770	1,42333	1,37249	1,035867876	ENST00000368420	149095	N/A	DCST1
A_23_P51311	1,42061	1,36978	1,035860696	ENST00000368747	149018	NM_001010857	LELP1
A_21_P0011833	1,47462	1,42379	1,035860696	N/A	100506328	NR_103791	LINC01127
A_21_P0007828	1,55568	1,50485	1,035860696	N/A	N/A	N/A	Inc-FAR2-1
A_21_P0003682	1,54007	1,48924	1,035860696	ENST00000507969	101928551	NR_125900	LOC101928551
A_21_P0012168	1,6174	1,56657	1,035860696	ENST00000427446	102724188	N/A	LOC102724188
A_21_P0013181	6,81368	6,76286	1,035853516	ENST00000439058	100506098	XR_108746	LOC100506098
A_21_P0010190	1,55854	1,50772	1,035853516	ENST00000416218	101927869	N/A	LOC101927869
A_33_P3535523	1,41959	1,36877	1,035853516	N/A	286068	BC015720	LOC286068
A_23_P26154	1,57675	1,52593	1,035853516	ENST00000430628	5346	NM_002666	PLIN1
A_21_P0009250	3,66226	3,61145	1,035846336	N/A	N/A	N/A	Inc-ADAM11-1
A_21_P0003791	1,50424	1,45344	1,035839156	N/A	N/A	N/A	Inc-FSTL5-1
A_33_P3348194	6,30781	6,25702	1,035831976	N/A	N/A	N/A	N/A
A_21_P0009793	1,50058	1,44979	1,035831976	N/A	N/A	N/A	Inc-AC010325.1-1
A_21_P0004124	1,59483	1,54404	1,035831976	ENST00000505050	N/A	N/A	N/A
A_33_P3214825	1,50038	1,4496	1,035824796	N/A	N/A	AY358806	N/A
A_33_P3237201	1,43565	1,38487	1,035824796	ENST00000393240	6857	NM_001135805	SYT1
A_21_P0013174	1,40914	1,35837	1,035817616	ENST00000401542	N/A	N/A	XLOC_I2_013291
A_23_P81058	1,49587	1,44511	1,035810437	ENST00000282701	651	NM_001201	BMP3
A_21_P0001735	1,41861	1,36785	1,035810437	N/A	N/A	N/A	Inc-AMY1B-2
A_21_P0000453	1,4962	1,44545	1,035803257	N/A	100033811	NR_003352	SNORD115-37
A_24_P125871	1,41006	1,35932	1,035796077	ENST00000352483	54101	NM_020639	RIPK4
A_33_P3214334	1,42767	1,37693	1,035796077	ENST00000383420	259215	NM_001003693	LY6G6F
A_22_P00022857	1,481	1,43027	1,035788898	N/A	100874063	NR_046526	CLYBL-AS2



A_24_P227415	1,53487	1,48414	1,035788898	ENST00000310002	64581	NM_197954	CLEC7A
A_21_P0012714	1,61749	1,56677	1,035781718	ENST00000511200	152742	NR_033931	LINC01085
A_22_P00008723	1,65565	1,60493	1,035781718	ENST00000422858	N/A	N/A	N/A
A_22_P00008154	1,67304	1,62232	1,035781718	N/A	N/A	N/A	Inc-ILK-2
A_22_P00016251	1,62432	1,5736	1,035781718	ENST00000557883	101928227	N/A	LOC101928227
A_24_P147765	8,85471	8,80401	1,035767359	ENST00000216187	80020	NM_024955	FOXRED2
A_22_P00015835	1,52319	1,47249	1,035767359	N/A	N/A	BG212186	Inc-TBC1D5-1
A_22_P00005383	1,64538	1,59468	1,035767359	ENST00000506865	N/A	N/A	N/A
A_22_P00011216	1,53217	1,48149	1,035753001	ENST00000506028	7093	N/A	TLL2
A_22_P00022012	1,7223	1,67163	1,035745821	ENST00000426519	N/A	BG527071	N/A
A_33_P3246268	1,4249	1,37423	1,035745821	N/A	3239	NM_000523	HOXD13
A_33_P3419388	1,48973	1,43906	1,035745821	ENST00000514043	101928532	XR_241665	LOC101928532
A_33_P3720195	1,56453	1,51386	1,035745821	N/A	375196	NR_028386	LOC375196
A_23_P54996	1,50786	1,45719	1,035745821	ENST00000240361	56155	NM_198393	TEX14
A_23_P216434	1,73928	1,68862	1,035738642	ENST00000375540	1842	BC036806	ECM2
A_33_P3312242	1,408	1,35735	1,035731463	ENST00000315626	6370	NM_005624	CCL25
A_21_P0005682	1,41587	1,36523	1,035724284	N/A	N/A	N/A	Inc-WRN-5
A_22_P00017216	1,40523	1,3546	1,035717105	N/A	101929979	XR_251593	LOC101929979
A_24_P85557	1,69725	1,64663	1,035709926	ENST00000303921	2861	NM_005302	GPR37
A_22_P00003398	1,5329	1,48228	1,035709926	N/A	100874377	NR_046843	SMIM2-IT1
A_22_P00006243	3,9815	3,93088	1,035709926	N/A	N/A	N/A	Inc-FAM59A-1
A_21_P0007279	1,63046	1,57985	1,035702747	N/A	N/A	N/A	Inc-FAM55B-8
A_21_P0004703	1,70445	1,65384	1,035702747	N/A	N/A	N/A	Inc-QKI-1
A_33_P3406998	6,45459	6,40398	1,035702747	ENST00000462274	1859	NM_130438	DYRK1A
A_22_P00014706	6,07465	6,02405	1,035695568	N/A	101926996	NR_110802	RUNDC3A-AS1
A_21_P0007414	1,56754	1,51694	1,035695568	N/A	N/A	N/A	Inc-CLMP-1
A_21_P0000033	10,2332	10,1826	1,035695568	ENST00000565422	100287718	NM_001162435	ANKRD66
A_22_P00010891	13,6213	13,5707	1,035695568	ENST00000426713	205251	NR_027063	LINC00116
A_33_P3509019	1,50585	1,45528	1,035674032	N/A	N/A	N/A	N/A
A_23_P98205	1,45714	1,40658	1,035666853	ENST00000533673	8534	NM_003654	CHST1
A_22_P00009185	1,45041	1,39985	1,035666853	N/A	N/A	N/A	Inc-LOXL1-1
A_33_P3416181	1,55117	1,50061	1,035666853	ENST00000557784	N/A	DB048201	N/A
A_23_P101671	1,6107	1,56015	1,035659674	ENST00000450849	85300	NM_033064	ATCAY

A_22_P00004349	1,58499	1,53445	1,035652495	N/A	100130587	NR_110634	LOC100130587
A_23_P18342	1,51164	1,46111	1,035645317	ENST00000502694	285220	NM_001278300	EPHA6
A_33_P3230663	1,72866	1,67813	1,035645317	N/A	100130232	AY203950	LOC100130232
A_21_P0008598	1,40671	1,35618	1,035645317	ENST00000562501	791114	NR_026646	PWRN1
A_23_P401606	1,54064	1,49011	1,035645317	ENST00000380138	10085	NM_005711	EDIL3
A_33_P3402551	1,7538	1,70328	1,035638138	N/A	100101478	N/A	LOC100101478
A_21_P0003589	1,49664	1,44612	1,035638138	N/A	N/A	N/A	Inc-STIM2-2
A_33_P3277344	1,56972	1,51921	1,03563096	ENST00000390466	N/A	X58740	N/A
A_33_P3701149	1,53714	1,48663	1,03563096	ENST00000416438	158314	NR_027341	LINC00475
A_22_P00005992	1,58674	1,53624	1,035623782	N/A	N/A	N/A	Inc-FAAH2-3
A_21_P0002471	1,46899	1,41851	1,035609425	N/A	N/A	N/A	Inc-EIF2AK3-1
A_21_P0008536	1,40358	1,3531	1,035609425	N/A	N/A	N/A	Inc-RP11-1085N6.3.1-2
A_22_P00011512	1,73247	1,68199	1,035609425	N/A	100506675	NR_120527	LOC100506675
A_21_P0010002	1,71975	1,66927	1,035609425	N/A	N/A	N/A	Inc-HAO1-2
A_19_P00322835	1,42882	1,37835	1,035602247	ENST00000520048	N/A	N/A	N/A
A_21_P0004281	1,68675	1,63629	1,035595068	N/A	N/A	N/A	Inc-PAM-1
A_33_P3390591	1,54305	1,49259	1,035595068	ENST00000514767	100506272	NR_110436	LOC100506272
A_22_P00015065	1,54624	1,49578	1,035595068	N/A	N/A	N/A	Inc-SNTG1-1
A_22_P00025664	1,51821	1,46776	1,03558789	N/A	N/A	N/A	Inc-DAP-2
A_23_P367071	4,39424	4,34379	1,03558789	ENST00000474922	100131816	NR_024062	UBE2DNL
A_33_P3337480	1,53226	1,48181	1,03558789	ENST00000610508	440077	NM_001004328	ZNF705A
A_23_P393955	1,48919	1,43875	1,035580712	ENST00000333756	256646	NM_175741	NUTM1
A_22_P00019315	1,60641	1,55597	1,035580712	ENST00000436121	101927342	NR_125939	LOC101927342
A_32_P148345	8,00543	7,95501	1,035566356	ENST00000421017	302	NM_001002857	ANXA2
A_32_P183367	1,62696	1,57654	1,035566356	ENST00000420428	56853	NM_020180	CELF4
A_19_P00321061	1,56596	1,51555	1,035559178	ENST00000500533	51621	AK127052	KLF13
A_21_P0004546	1,49488	1,44447	1,035559178	N/A	N/A	N/A	Inc-HNRNPAB-1
A_21_P0009963	1,67327	1,62286	1,035559178	N/A	N/A	N/A	Inc-NCOA3-9
A_21_P0004915	1,52716	1,47675	1,035559178	N/A	N/A	N/A	Inc-PRDM1-1
A_22_P00002279	1,59051	1,5401	1,035559178	ENST00000455871	N/A	N/A	N/A
A_33_P3317109	1,41845	1,36804	1,035559178	ENST00000378225	55301	N/A	OLAH
A_21_P0010320	1,49277	1,44237	1,035552	N/A	N/A	N/A	Inc-C21orf54-3
A_33_P3413305	1,52917	1,47877	1,035552	ENST00000366472	80851	AK125138	SH3BP5L

A_33_P3221343	4,57337	4,52298	1,035544822	ENST00000371681	143279	NM_173497	HECTD2
A_23_P127352	1,59258	1,54219	1,035544822	ENST00000309106	116512	NM_198923	MRGPRD
A_33_P3217629	1,58283	1,53244	1,035544822	N/A	N/A	N/A	N/A
A_21_P0002353	1,51699	1,46661	1,035537644	N/A	N/A	N/A	Inc-AC007557.1.1-4
A_21_P0010003	1,47187	1,42149	1,035537644	N/A	N/A	N/A	Inc-JAG1-5
A_33_P3307063	1,56745	1,51707	1,035537644	N/A	N/A	N/A	N/A
A_23_P56913	1,40811	1,35773	1,035537644	ENST00000405346	130106	NM_001029881	CIB4
A_33_P3295625	1,52593	1,47556	1,035530467	N/A	9442	NM_001253882	MED27
A_23_P326893	1,57388	1,52351	1,035530467	ENST00000591345	115948	NM_145045	CCDC151
A_21_P0002560	1,99115	1,94078	1,035530467	N/A	N/A	N/A	Inc-AC131097.4.1-3
A_22_P00007996	1,58866	1,53829	1,035530467	ENST00000531076	N/A	N/A	N/A
A_22_P00002160	1,61535	1,56499	1,035523289	ENST00000546508	101101773	NR_073454	LINC00609
A_22_P00006718	1,66345	1,61309	1,035523289	ENST00000557308	N/A	N/A	N/A
A_21_P0005181	1,61883	1,56847	1,035523289	N/A	N/A	N/A	Inc-AL078585.1-2
A_21_P0003657	1,41084	1,36048	1,035523289	N/A	N/A	N/A	Inc-MGST2-1
A_21_P0005986	1,56832	1,51796	1,035523289	ENST00000610400	642929	NR_027472	LOC642929
A_23_P164451	1,57042	1,52006	1,035523289	ENST00000477081	6909	NM_005994	TBX2
A_21_P0004155	1,41751	1,36716	1,035516111	ENST00000503489	N/A	N/A	N/A
A_21_P0009139	1,54422	1,49387	1,035516111	ENST00000599841	N/A	XR_243491	N/A
A_22_P00004899	1,64102	1,59068	1,035508934	N/A	N/A	AK125397	Inc-DAD1-2
A_33_P3256322	1,57008	1,51974	1,035508934	N/A	N/A	CR989582	N/A
A_22_P00005215	1,64215	1,59182	1,035501756	ENST00000553623	283601	N/A	LINC00523
A_33_P3274349	1,57516	1,52484	1,035494578	ENST00000589847	N/A	N/A	N/A
A_23_P355377	1,40403	1,35371	1,035494578	ENST00000616933	57468	NM_020708	SLC12A5
A_23_P204801	1,70454	1,65422	1,035494578	ENST00000549713	84102	NM_032148	SLC41A2
A_23_P370830	1,64852	1,5982	1,035494578	ENST00000359358	57565	NM_020805	KLHL14
A_19_P00321849	1,60404	1,55373	1,035487401	ENST00000507926	N/A	N/A	N/A
A_32_P787109	1,41837	1,36807	1,035480224	ENST00000357504	401124	NM_001170700	DTHD1
A_21_P0001311	1,53157	1,48127	1,035480224	ENST00000456878	N/A	N/A	N/A
A_32_P64598	1,44311	1,39281	1,035480224	ENST00000552320	101927135	XR_245976	LOC101927135
A_24_P11575	1,68364	1,63335	1,035473046	ENST00000280527	51232	NM_016441	CRIM1
A_21_P0003582	1,53386	1,48357	1,035473046	N/A	N/A	N/A	Inc-SOD3-3
A_22_P00018089	1,42039	1,3701	1,035473046	N/A	N/A	N/A	Inc-ZNF366-5

A_24_P489164	1,6336	1,58331	1,035473046	N/A	100131943	AY358202	LOC100131943
A_21_P0007614	1,417	1,36672	1,035465869	N/A	N/A	N/A	Inc-ASCL1-2
A_32_P16053	1,47979	1,42951	1,035465869	ENST00000427348	284801	NR_040095	MIR663AHG
A_21_P0005371	1,59596	1,54569	1,035458692	N/A	N/A	N/A	Inc-BMPER-1
A_22_P00005712	1,48721	1,43695	1,035451514	ENST00000438797	89758	N/A	C6orf7
A_24_P418152	1,66649	1,61623	1,035451514	ENST00000511008	124871	NR_034161	FLJ40194
A_21_P0001882	1,43924	1,38898	1,035451514	ENST00000438443	N/A	N/A	N/A
A_21_P0013698	1,42129	1,37103	1,035451514	ENST00000452826	N/A	N/A	N/A
A_19_P00316493	5,93431	5,88405	1,035451514	ENST00000452701	N/A	N/A	N/A
A_32_P169114	1,71436	1,66411	1,035444337	ENST00000396575	2903	NM_001134407	GRIN2A
A_23_P55682	1,56757	1,51732	1,035444337	ENST00000596372	65982	NM_023926	ZSCAN18
A_21_P0014642	1,43597	1,38572	1,035444337	ENST00000517964	N/A	XR_171713	N/A
A_22_P00016907	1,41265	1,3624	1,035444337	ENST00000533588	N/A	N/A	N/A
A_23_P368794	2,11067	2,06043	1,03543716	ENST00000483040	256536	NM_174937	TCERG1L
A_33_P3227452	1,42951	1,37928	1,035429983	N/A	N/A	AF204269	N/A
A_23_P408341	1,63327	1,58304	1,035429983	ENST00000476365	128854	NR_002781	TSPY26P
A_22_P00016990	1,54137	1,49115	1,035422806	ENST00000564032	N/A	BC036686	N/A
A_22_P00010836	1,47785	1,42764	1,035415629	N/A	101927049	NR_120616	PLCE1-AS2
A_22_P00010024	10,7797	10,7295	1,035408452	ENST00000428198	57468	NM_001134771	SLC12A5
A_22_P00016639	1,46312	1,41292	1,035408452	ENST00000510238	643714	NR_033920	CASC16
A_21_P0005385	1,59005	1,53985	1,035408452	N/A	N/A	N/A	Inc-AC006455.1-5
A_21_P0012762	1,72283	1,67263	1,035408452	ENST00000505178	N/A	N/A	N/A
A_33_P3340615	1,90959	1,8594	1,035401275	ENST00000222381	5444	NM_000446	PON1
A_22_P00015024	5,93371	5,88352	1,035401275	ENST00000504335	6525	AK092939	SMTN
A_21_P0014260	1,41623	1,36606	1,035386921	N/A	N/A	XR_111158	N/A
A_33_P3419399	2,72482	2,67465	1,035386921	ENST00000409806	340152	NM_207360	ZC3H12D
A_19_P00318790	2,29098	2,24081	1,035386921	ENST00000454172	N/A	N/A	N/A
A_21_P0007195	1,69005	1,6399	1,035372568	N/A	N/A	N/A	Inc-C11orf74-7
A_21_P0014574	1,41641	1,36626	1,035372568	N/A	283463	NM_173600	MUC19
A_22_P00017425	1,68103	1,63089	1,035365391	N/A	N/A	BX113880	Inc-VIM-1
A_22_P00003319	1,56477	1,51463	1,035365391	N/A	N/A	N/A	Inc-CARD18-1
A_23_P162525	8,9264	8,87626	1,035365391	ENST00000261637	27340	NM_014503	UTP20
A_33_P3387716	1,75169	1,70156	1,035358215	ENST00000517853	29958	NR_104002	DMGDH

A_22_P00017663	1,59896	1,54883	1,035358215	N/A	N/A	BC037250	Inc-WRN-7
A_23_P38735	1,70027	1,65014	1,035358215	ENST00000262150	28513	NM_021153	CDH19
A_22_P00010012	1,53805	1,48793	1,035351038	N/A	100874035	XR_241603	PLCH1-AS1
A_33_P3210492	1,40367	1,35355	1,035351038	ENST00000302514	114900	NM_031909	C1QTNF4
A_22_P00022183	1,47669	1,42657	1,035351038	N/A	N/A	N/A	Inc-BOLL-1
A_23_P68327	10,5313	10,4812	1,035336685	ENST00000481791	112942	NM_080667	CFAP36
A_22_P00014347	1,43964	1,38954	1,035336685	N/A	N/A	N/A	Inc-SERPINI1-7
A_22_P00012007	1,43859	1,38849	1,035336685	ENST00000486545	N/A	N/A	N/A
A_21_P0013127	1,56729	1,51719	1,035336685	N/A	N/A	N/A	Inc-C6orf100-3
A_21_P0005538	1,4017	1,35161	1,035329509	N/A	N/A	N/A	Inc-ZNF777-1
A_21_P0005901	1,65171	1,60163	1,035322333	ENST00000518339	N/A	N/A	N/A
A_19_P00805218	1,41729	1,36722	1,035315156	ENST00000555332	400456	N/A	LINC01197
A_22_P00002866	1,4902	1,44014	1,03530798	ENST00000497258	N/A	N/A	N/A
A_22_P00010232	1,83593	1,78587	1,03530798	ENST00000507398	N/A	N/A	N/A
A_33_P3396159	9,31757	9,26752	1,035300804	ENST00000491922	8030	NM_005436	CCDC6
A_23_P14019	1,41174	1,36169	1,035300804	ENST00000229304	339	NM_001644	APOBEC1
A_21_P0010341	1,61956	1,56952	1,035293628	ENST00000452326	N/A	N/A	N/A
A_33_P3356537	1,60429	1,55425	1,035293628	N/A	N/A	N/A	N/A
A_22_P00022765	1,56814	1,5181	1,035293628	N/A	N/A	BX090607	Inc-GABARAPL3-3
A_33_P3286571	1,60217	1,55214	1,035286452	N/A	N/A	DB080651	N/A
A_22_P00017788	1,415	1,36497	1,035286452	N/A	100874115	NR_046733	PLCXD2-AS1
A_21_P0010910	1,40142	1,35139	1,035286452	N/A	N/A	N/A	XL0C_I2_002171
A_33_P3420605	1,69965	1,64964	1,0352721	ENST00000268912	26689	NM_012374	OR4D1
A_22_P00004942	1,40282	1,35282	1,035264924	N/A	N/A	BU165922	Inc-DCAF4L2-2
A_33_P3383246	2,61612	2,56612	1,035264924	ENST00000356069	119695	NM_001005177	OR52R1
A_23_P134650	12,6809	12,6309	1,035264924	ENST00000292478	26024	NM_015545	PTCD1
A_22_P00012179	1,52341	1,47342	1,035257748	N/A	N/A	N/A	Inc-POU3F2-3
A_33_P3397127	1,60381	1,55382	1,035257748	N/A	N/A	AB306238	N/A
A_33_P3791263	1,48454	1,43455	1,035257748	ENST00000462354	118427	NM_001288823	OLFM3
A_23_P128868	1,53037	1,48038	1,035257748	ENST00000556246	440153	NM_001013354	OR11H12
A_33_P3242753	1,65766	1,60768	1,035250572	N/A	N/A	N/A	N/A
A_21_P0014557	1,80112	1,75115	1,035243396	N/A	N/A	N/A	Inc-TMX1-2
A_22_P00007753	1,65753	1,60756	1,035243396	ENST00000424539	N/A	N/A	N/A

A_22_P00011038	1,62122	1,57125	1,035243396	ENST00000447864	N/A	N/A	N/A
A_22_P00014492	1,58684	1,53687	1,035243396	ENST00000439079	N/A	N/A	N/A
A_21_P0013906	1,69	1,64003	1,035243396	ENST00000447937	83869	N/A	TTY14
A_22_P00021518	1,49646	1,4465	1,035236221	N/A	N/A	N/A	Inc-NR2C2-1
A_21_P0010171	1,40883	1,35887	1,035236221	ENST00000429512	N/A	N/A	N/A
A_23_P145724	1,70613	1,65618	1,035229045	ENST00000342032	10842	NM_006658	PPP1R17
A_21_P0006450	1,48156	1,43162	1,035221869	ENST00000448761	102723426	XR_426527	LINC01496
A_21_P0010010	1,61654	1,5666	1,035221869	N/A	101929547	XR_244250	LOC101929547
A_32_P437004	1,43314	1,3832	1,035221869	ENST00000381174	7499	NM_175569	XG
A_21_P0007877	1,63011	1,58018	1,035214694	N/A	N/A	N/A	Inc-FAIM2-2
A_22_P00013389	1,44392	1,394	1,035207518	N/A	N/A	AA502489	Inc-RP11-180C1.1.1-2
A_32_P361185	1,71005	1,66013	1,035207518	ENST00000372912	118490	NM_001024593	MSS51
A_22_P00008440	1,58758	1,53767	1,035200343	N/A	N/A	N/A	Inc-KATNA1-2
A_24_P239177	11,1216	11,0717	1,035193167	ENST00000614666	4585	NM_018406	MUC4
A_21_P0009729	1,5578	1,5079	1,035193167	N/A	N/A	N/A	Inc-NLRP4-1
A_23_P19428	1,4197	1,36981	1,035185992	ENST00000415857	26707	NM_030905	OR2J2
A_23_P342585	1,4155	1,36561	1,035185992	ENST00000370419	22999	AB045726	RIMS1
A_33_P3230389	1,56455	1,51467	1,035178817	ENST00000317037	390077	NM_001005174	OR52N2
A_22_P00010478	2,37	2,32012	1,035178817	N/A	N/A	N/A	Inc-NARF-1
A_33_P3424872	1,40405	1,35418	1,035171641	ENST00000612433	54490	N/A	UGT2B28
A_21_P0004391	1,56698	1,51712	1,035164466	N/A	N/A	N/A	Inc-CTC-236F12.4.1-1
A_21_P0009583	1,40617	1,35631	1,035164466	N/A	N/A	N/A	Inc-ZNF516-10
A_22_P00010425	1,56714	1,51728	1,035164466	ENST00000520162	N/A	N/A	N/A
A_22_P00002002	1,57489	1,52504	1,035157291	N/A	N/A	N/A	Inc-BCL9-2
A_21_P0014895	1,74591	1,69606	1,035157291	N/A	N/A	N/A	N/A
A_23_P31725	1,44474	1,39489	1,035157291	ENST00000526097	640	NM_001715	BLK
A_33_P3212954	1,60386	1,55402	1,035150116	N/A	N/A	N/A	N/A
A_21_P0013171	1,42454	1,3747	1,035150116	ENST00000447999	N/A	N/A	N/A
A_21_P0001243	1,56885	1,51902	1,035142941	ENST00000442382	N/A	N/A	N/A
A_33_P3338550	1,51645	1,46662	1,035142941	ENST00000525429	N/A	N/A	N/A
A_22_P00008267	1,40488	1,35505	1,035142941	ENST00000506305	N/A	N/A	N/A
A_24_P261760	1,40525	1,35543	1,035135766	ENST00000356986	10219	NM_005810	KLRG1
A_22_P00005897	1,62655	1,57673	1,035135766	N/A	N/A	N/A	Inc-ETNK1-5

A_22_P00011574	1,5018	1,45198	1,035135766	ENST00000514855	N/A	N/A	N/A
A_33_P3219095	1,70149	1,65167	1,035135766	ENST00000579458	728606	NR_024259	PCAT18
A_24_P179467	1,41014	1,36032	1,035135766	ENST00000221742	6511	NM_005071	SLC1A6
A_23_P352648	1,68828	1,63847	1,035128591	ENST00000580125	N/A	BC008091	N/A
A_33_P3332362	1,70594	1,65613	1,035128591	ENST00000529952	5452	NM_001207026	POU2F2
A_22_P00000950	1,42893	1,37913	1,035121416	ENST00000455525	101927946	XR_242710	LOC101927946
A_22_P00017294	3,59131	3,54151	1,035121416	ENST00000581677	N/A	AK097544	N/A
A_22_P00008956	1,59215	1,54236	1,035114241	N/A	100505782	NR_040111	LOC100505782
A_33_P3310039	1,71513	1,66535	1,035107066	ENST00000573360	780776	NM_001079512	TVP23A
A_33_P3821313	1,52955	1,47979	1,035092716	ENST00000505443	285577	NR_033898	LINC01019
A_21_P0008658	1,4525	1,40274	1,035092716	N/A	N/A	N/A	Inc-SH2D7-2
A_22_P00009647	1,61925	1,56949	1,035092716	ENST00000515077	N/A	N/A	N/A
A_22_P00003571	1,46576	1,41601	1,035085542	N/A	N/A	N/A	Inc-CCT5-6
A_22_P00010673	1,65997	1,61022	1,035085542	N/A	N/A	N/A	Inc-NEURL1B-1
A_22_P00009352	1,42146	1,37172	1,035078367	ENST00000457989	N/A	N/A	N/A
A_33_P3359878	1,69344	1,64371	1,035071192	N/A	100132014	AK092445	LOC100132014
A_22_P00011276	1,41832	1,36859	1,035071192	ENST00000528915	N/A	DB078115	N/A
A_33_P3225022	1,61489	1,56516	1,035071192	ENST00000397748	10841	NM_206965	FTCD
A_21_P0006529	1,41908	1,36935	1,035071192	N/A	N/A	N/A	Inc-RPS6KA3-1
A_33_P3351904	1,51328	1,46356	1,035064018	ENST00000616325	56138	NM_031861	PCDHA11
A_33_P3408743	1,48185	1,43213	1,035064018	ENST00000371790	387700	NM_213606	SLC16A12
A_22_P00015251	7,14356	7,09386	1,035049669	N/A	N/A	GD144209	Inc-SPAG5-1
A_24_P941736	1,40184	1,35215	1,035042495	ENST00000258873	23205	AB014531	ACSBG1
A_22_P00024600	1,57553	1,52584	1,035042495	N/A	100873984	NR_046582	CHRM3-AS1
A_21_P0007275	1,65452	1,60484	1,03503532	N/A	101928774	XR_424277	LOC101928774
A_21_P0010208	1,47689	1,42722	1,035028146	ENST00000420273	N/A	N/A	N/A
A_21_P0011570	1,56537	1,5157	1,035028146	N/A	N/A	N/A	XLOC_I2_005997
A_24_P88266	1,6576	1,60793	1,035028146	ENST00000435016	5629	NM_002763	PROX1
A_23_P2814	3,81217	3,7625	1,035028146	ENST00000379826	4093	NM_005905	SMAD9
A_21_P0010035	1,69867	1,64901	1,035020972	N/A	N/A	N/A	Inc-BLCAP-3
A_22_P00012601	1,40867	1,35902	1,035013797	ENST00000427161	N/A	N/A	N/A
A_22_P00011746	1,43492	1,38527	1,035013797	ENST00000417932	N/A	N/A	N/A
A_33_P3251663	1,4446	1,39495	1,035013797	ENST00000449024	N/A	XM_006711717	N/A

A_33_P3214412	1,48001	1,43037	1,035006623	ENST00000319760	81318	NM_001005272	OR4A5
A_21_P0008504	1,7132	1,66356	1,035006623	N/A	102725283	XR_424482	LOC102725283
A_23_P12392	1,40098	1,35135	1,034999449	ENST00000367364	5788	NR_052021	PTPRC
A_21_P0003608	1,65437	1,60474	1,034999449	N/A	N/A	N/A	Inc-GUF1-2
A_22_P00014249	4,13237	4,08274	1,034999449	ENST00000561101	N/A	N/A	N/A
A_33_P3293362	5,26735	5,21773	1,034992275	ENST00000472269	64757	NM_022746	mar-01
A_22_P00019839	1,49004	1,44042	1,034992275	N/A	N/A	N/A	Inc-ADCY2-4
A_22_P00011904	1,40433	1,35471	1,034992275	ENST00000503685	N/A	N/A	N/A
A_24_P220822	1,48864	1,43902	1,034992275	ENST00000295268	285555	NM_174952	STPG2
A_23_P21092	1,57637	1,52677	1,034977927	ENST00000467817	794	NM_001740	CALB2
A_21_P0008803	1,5736	1,524	1,034977927	N/A	N/A	N/A	Inc-CHSY1-1
A_21_P0009974	1,58004	1,53044	1,034977927	N/A	N/A	N/A	Inc-MOCS3-2
A_23_P366376	1,42747	1,37787	1,034977927	ENST00000542931	6997	NM_003212	TDGF1
A_21_P0011243	1,42699	1,37739	1,034977927	N/A	N/A	N/A	XLOC_I2_004192
A_21_P0004910	1,58091	1,53132	1,034970753	N/A	N/A	N/A	Inc-MANEA-5
A_22_P00012875	1,74919	1,6996	1,034970753	N/A	N/A	N/A	Inc-RBFOX1-1
A_22_P00024940	1,56503	1,51544	1,034970753	ENST00000556060	N/A	XR_424337	N/A
A_33_P3350086	1,56657	1,51698	1,034970753	ENST00000318021	391195	NM_001004695	OR2T33
A_22_P00004133	1,49941	1,44982	1,034970753	ENST00000522661	N/A	N/A	N/A
A_33_P3244793	1,40148	1,3519	1,03496358	ENST00000282538	339896	NM_207359	GADL1
A_19_P00322291	1,6176	1,56803	1,034956406	ENST00000598996	400550	NR_036444	FENDRR
A_22_P00007209	1,42115	1,37159	1,034949232	N/A	N/A	N/A	Inc-GPC5-2
A_21_P0009471	1,52798	1,47843	1,034942058	N/A	N/A	N/A	Inc-DSG1-4
A_21_P0002499	1,73193	1,68238	1,034942058	N/A	N/A	N/A	Inc-MKI67IP-2
A_21_P0010608	1,51675	1,46721	1,034934885	N/A	N/A	N/A	XLOC_I2_000866
A_22_P00017238	1,69671	1,64718	1,034927711	N/A	N/A	N/A	Inc-UMODL1-3
A_21_P0013005	7,74464	7,69511	1,034927711	ENST00000512971	4682	NM_001278506	NUBP1
A_21_P0003163	1,4312	1,38167	1,034927711	N/A	N/A	N/A	Inc-RABL3-2
A_22_P00002144	1,65501	1,60549	1,034920537	N/A	N/A	N/A	Inc-BRCA2-1
A_22_P00002975	1,58777	1,53826	1,034913364	ENST00000434356	N/A	N/A	N/A
A_22_P00009429	1,86766	1,81815	1,034913364	ENST00000458443	N/A	N/A	N/A
A_23_P323685	10,5523	10,5028	1,034906191	ENST00000377727	8365	NM_003543	HIST1H4H
A_33_P3369371	1,68739	1,63789	1,034906191	ENST00000388825	2878	NM_002084	GPX3



A_22_P00019448	1,40942	1,35993	1,034899017	ENST00000508853	101929745	XR_249762	LOC101929745
A_23_P52480	3,97493	3,92545	1,034891844	ENST00000285979	1562	NM_000772	CYP2C18
A_21_P0014559	1,51116	1,46212	1,034891844	N/A	N/A	N/A	Inc-GABRB3-3
A_33_P3416291	1,54898	1,4995	1,034891844	ENST00000579455	644041	NM_001174123	C18orf63
A_21_P0007587	1,58206	1,53258	1,034891844	N/A	N/A	N/A	Inc-ZDHHHC17-3
A_33_P3242438	1,9466	1,89713	1,03488467	ENST00000329447	389151	NM_001013650	PRR23B
A_22_P00013064	1,56837	1,5189	1,03488467	N/A	N/A	N/A	Inc-RHD-1
A_21_P0000726	1,42286	1,3734	1,034877497	ENST00000441610	100506840	NR_038215	IQCF4
A_22_P00014544	3,61525	3,56579	1,034877497	N/A	727993	XR_244229	LOC727993
A_23_P378450	1,67113	1,62167	1,034877497	ENST00000358469	125997	NM_144614	MBD3L2
A_33_P3380917	1,41217	1,36271	1,034877497	ENST00000504759	N/A	N/A	N/A
A_23_P29057	1,55595	1,5065	1,034870324	ENST00000609713	3763	NM_002240	KCNJ6
A_21_P0002410	1,41235	1,3629	1,034870324	N/A	N/A	N/A	Inc-HS1BP3-1
A_22_P00025073	1,46963	1,42018	1,034870324	ENST00000517706	N/A	CR739174	N/A
A_24_P298723	1,60572	1,55627	1,034870324	ENST00000622692	252951	NR_001546	TTY20
A_33_P3408643	1,72611	1,67669	1,034848805	N/A	N/A	N/A	N/A
A_22_P00001151	1,60663	1,55721	1,034848805	ENST00000552975	100233209	NR_026544	PCED1B-AS1
A_21_P0008764	1,56462	1,51521	1,034841632	N/A	N/A	N/A	Inc-RP11-210M15.2.1-3
A_21_P0005456	3,25446	3,20505	1,034841632	N/A	N/A	N/A	Inc-WDR60-3
A_24_P139901	5,30755	5,25816	1,034827286	ENST00000409836	2995	NM_002101	GYPC
A_33_P3240098	1,64782	1,59843	1,034827286	N/A	N/A	BC150587	N/A
A_21_P0005287	1,41331	1,36392	1,034827286	N/A	N/A	N/A	Inc-DFNA5-2
A_22_P00022022	1,40016	1,35077	1,034827286	N/A	N/A	N/A	Inc-EXTL1-1
A_21_P0002279	1,75063	1,70124	1,034827286	N/A	N/A	N/A	Inc-GLI2-4
A_21_P0005839	1,54594	1,49656	1,034820113	N/A	N/A	N/A	Inc-CA8-1
A_22_P00002655	1,58623	1,53685	1,034820113	ENST00000441033	N/A	N/A	N/A
A_21_P0010082	1,41601	1,36664	1,03481294	N/A	N/A	N/A	Inc-SNRPB2-1
A_33_P3276713	1,69036	1,641	1,034805767	ENST00000453411	3082	NM_001010931	HGF
A_33_P3242119	1,62769	1,57833	1,034805767	N/A	N/A	AK127029	N/A
A_23_P203376	1,77119	1,72184	1,034798595	N/A	64231	NM_152852	MS4A6A
A_24_P404458	1,76503	1,71568	1,034798595	ENST00000597889	27231	NM_170678	NMRK2
A_21_P0011422	1,70693	1,65758	1,034798595	N/A	N/A	N/A	XLOC_I2_005168
A_22_P00021443	1,58897	1,53963	1,034791422	ENST00000509370	N/A	N/A	N/A

A_22_P00025407	1,4179	1,36856	1,034791422	ENST00000415532	N/A	N/A	N/A
A_23_P38505	8,54388	8,49454	1,034791422	ENST00000576153	58191	NM_022059	CXCL16
A_22_P00010089	1,62854	1,57921	1,03478425	N/A	N/A	N/A	Inc-MPPED2-3
A_22_P00008985	1,41955	1,37022	1,03478425	ENST00000446322	N/A	BM772556	N/A
A_22_P00004039	1,70138	1,65205	1,03478425	N/A	N/A	N/A	Inc-CHRNA3-2
A_22_P00016338	1,58639	1,53706	1,03478425	ENST00000514840	N/A	N/A	N/A
A_22_P00016666	1,72542	1,6761	1,034777077	N/A	N/A	BC037214	Inc-TPGS2-1
A_22_P00013237	1,61673	1,56741	1,034777077	N/A	N/A	N/A	Inc-ROBO2-5
A_33_P3234814	1,54734	1,49803	1,034769904	N/A	N/A	N/A	N/A
A_23_P218942	1,71994	1,67063	1,034769904	ENST00000615316	56134	NM_031883	PCDHAC2
A_22_P00025888	1,70855	1,65924	1,034769904	ENST00000451275	7710	NM_001085384	ZNF154
A_33_P3261468	1,56369	1,51439	1,034762732	ENST00000361112	100506736	NM_001195790	SLFN12L
A_23_P110253	1,60665	1,55736	1,03475556	ENST00000288135	3815	NM_000222	KIT
A_33_P3338634	1,64029	1,591	1,03475556	ENST00000367019	255928	NM_001256006	SYT14
A_21_P0014163	1,40976	1,36047	1,03475556	N/A	N/A	N/A	N/A
A_22_P00005179	1,52399	1,47473	1,034734043	N/A	N/A	N/A	Inc-DIRC1-1
A_33_P3375413	1,67683	1,62757	1,034734043	N/A	100131719	AK128441	LOC100131719
A_21_P0011061	1,56317	1,51391	1,034734043	ENST00000554821	N/A	N/A	N/A
A_23_P217946	1,4217	1,37245	1,03472687	ENST00000398809	64072	NM_022124	CDH23
A_33_P3273399	8,08536	8,03611	1,03472687	N/A	N/A	BU739610	N/A
A_22_P00015425	1,55438	1,50514	1,034719698	N/A	N/A	BX116938	Inc-SRY-2
A_33_P3336715	1,42657	1,37733	1,034719698	ENST00000274547	2561	NM_021911	GABRB2
A_22_P00007102	1,48437	1,43513	1,034719698	ENST00000553785	100506999	XR_110241	LOC100506999
A_21_P0013276	1,67909	1,62985	1,034719698	N/A	N/A	N/A	XLOC_l2_013645
A_22_P00012329	1,39974	1,35051	1,034712526	N/A	102725390	XR_424207	LOC102725390
A_32_P226786	9,22592	9,17669	1,034712526	ENST00000418596	285172	NM_173822	FAM126B
A_22_P00005405	1,47902	1,4298	1,034705354	ENST00000583089	N/A	N/A	N/A
A_22_P00010199	2,37723	2,32801	1,034705354	ENST00000438148	N/A	N/A	N/A
A_33_P3311795	1,57002	1,5208	1,034705354	ENST00000528345	4602	AJ616798	MYB
A_23_P407132	1,58345	1,53424	1,034698182	ENST00000526519	84623	NM_032531	KIRREL3
A_23_P4773	1,69049	1,64128	1,034698182	ENST00000617636	10990	NM_006840	LILRB5
A_21_P0005273	1,40541	1,3562	1,034698182	ENST00000449903	N/A	N/A	N/A
A_22_P00000040	9,69264	9,64343	1,034698182	N/A	100506311	NR_038366	HOTAIRM1

A_21_P0010445	1,41252	1,36332	1,03469101	N/A	N/A	N/A	Inc-SCUBE1-1
A_22_P00000230	1,44977	1,40057	1,03469101	N/A	N/A	BC019862	Inc-AC005609.1-2
A_23_P92967	10,4744	10,4252	1,03469101	ENST00000514553	4338	NM_004531	MOCS2
A_23_P11507	10,687	10,6378	1,03469101	ENST00000476275	26009	NM_015534	ZZZ3
A_22_P00021583	1,69478	1,6456	1,034676666	N/A	N/A	N/A	Inc-SMARCC2-2
A_22_P00014517	1,40622	1,35705	1,034669495	ENST00000442994	101926971	NR_110382	LINC01284
A_22_P00021198	2,77261	2,72344	1,034669495	N/A	N/A	BX404796	Inc-GSDMD-2
A_21_P0006844	1,60437	1,55521	1,034662323	N/A	N/A	N/A	Inc-MYO3A-1
A_33_P3231486	1,56139	1,51223	1,034662323	ENST00000595391	N/A	U22030	N/A
A_21_P0010677	1,58057	1,53141	1,034662323	N/A	N/A	N/A	XLOC_I2_001359
A_23_P210048	6,95832	6,90917	1,034655151	ENST00000543185	9759	NM_006037	HDAC4
A_21_P0009562	1,48856	1,43942	1,03464798	ENST00000382897	642484	XR_159014	FLJ45743
A_21_P0010406	1,73121	1,68208	1,034640808	N/A	N/A	N/A	Inc-CRYBA4-1
A_22_P00024342	1,49861	1,44948	1,034640808	ENST00000568279	101927580	NR_110917	LOC101927580
A_23_P417173	1,42911	1,37999	1,034633636	ENST00000252321	3741	NM_002234	KCNA5
A_22_P00018731	1,61137	1,56225	1,034633636	N/A	N/A	N/A	Inc-ARL4A-2
A_24_P129834	1,55713	1,50801	1,034633636	ENST00000333850	121278	NM_173353	TPH2
A_21_P0003559	1,47656	1,42745	1,034626465	N/A	N/A	N/A	Inc-SH3BP2-1
A_33_P3244872	10,1781	10,129	1,034619293	ENST00000367607	9857	NM_014810	CEP350
A_21_P0013358	1,771	1,7219	1,034619293	N/A	N/A	N/A	XLOC_I2_014057
A_24_P307065	12,7192	12,6701	1,034619293	ENST00000433309	N/A	N/A	N/A
A_22_P00001320	14,9284	14,8793	1,034619293	ENST00000622632	195977	NM_001278688	ANTXR1
A_24_P135902	18,5444	18,4953	1,034619293	ENST00000402069	6187	NM_002952	RPS2
A_33_P3242355	8,09566	8,04657	1,034612122	ENST00000605518	N/A	BC027847	N/A
A_21_P0001539	1,47438	1,42529	1,034612122	N/A	N/A	N/A	Inc-GBP5-2
A_22_P00011123	1,40119	1,3521	1,034612122	N/A	101928123	XR_245780	LOC101928123
A_33_P3347872	1,44125	1,39216	1,034612122	ENST00000453654	100128727	AK124397	LOC100128727
A_22_P00007331	1,49467	1,44558	1,034612122	ENST00000514239	N/A	N/A	N/A
A_22_P00022620	1,6296	1,58052	1,034604951	N/A	N/A	N/A	Inc-KIAA0319L-2
A_22_P00001511	1,63726	1,58819	1,034597779	ENST00000566929	101927875	XR_248300	LOC101927875
A_33_P3346881	1,41447	1,36541	1,034590608	N/A	N/A	N/A	N/A
A_22_P00013330	1,49286	1,44381	1,034583437	N/A	N/A	BX088883	Inc-RP11-127H5.1.1-1
A_22_P00017154	1,56221	1,51316	1,034583437	ENST00000568962	N/A	N/A	N/A

A_22_P00010714	1,59451	1,54547	1,034576266	N/A	102724596	NR_110883	LOC102724596
A_21_P0005922	1,71907	1,67003	1,034576266	N/A	N/A	N/A	Inc-C8orf74-3
A_21_P0009040	1,61191	1,56288	1,034569095	N/A	N/A	N/A	Inc-CES5A-1
A_22_P00007873	1,55929	1,51026	1,034569095	ENST00000435802	N/A	N/A	N/A
A_22_P00011813	1,61517	1,56614	1,034569095	ENST00000509950	101927207	NR_110805	LOC101927207
A_33_P3248957	1,72435	1,67533	1,034561923	N/A	N/A	XR_246724	N/A
A_32_P217140	1,71859	1,66957	1,034561923	ENST00000404699	91464	AK025181	ISX
A_23_P423237	1,49777	1,44875	1,034561923	ENST00000218867	6445	NM_000231	SGCG
A_33_P3361287	1,58785	1,53884	1,034554752	N/A	N/A	N/A	Inc-CDYL2-6
A_22_P00014480	1,67454	1,62553	1,034554752	ENST00000439796	53358	NM_016848	SHC3
A_22_P00006775	1,52734	1,47834	1,034547582	ENST00000556291	N/A	N/A	N/A
A_23_P32615	11,4127	11,3637	1,034547582	ENST00000539616	4331	NM_002431	MNAT1
A_21_P0001019	1,56352	1,51453	1,034540411	ENST00000427145	101928009	N/A	LOC101928009
A_22_P00016558	1,62339	1,5744	1,034540411	N/A	N/A	BI828027	Inc-TNFRSF10B-2
A_33_P3211862	1,50229	1,4533	1,034540411	N/A	N/A	N/A	N/A
A_33_P3215843	1,55987	1,51089	1,03453324	ENST00000601349	354	NM_001030047	KLK3
A_22_P00008332	1,58295	1,53397	1,03453324	ENST00000427339	N/A	N/A	N/A
A_33_P3235631	1,58062	1,53164	1,03453324	ENST00000390244	N/A	JN111512	N/A
A_23_P145669	1,64659	1,59761	1,03453324	ENST00000252723	2056	NM_000799	EPO
A_33_P3340352	1,5618	1,51283	1,034526069	ENST00000506036	N/A	N/A	N/A
A_23_P87104	1,42183	1,37286	1,034526069	ENST00000313264	219464	NM_001004746	OR5T2
A_21_P0011377	1,41947	1,37051	1,034518898	N/A	N/A	N/A	XLOC_I2_004950
A_22_P00013534	1,51259	1,46364	1,034511727	ENST00000519451	N/A	N/A	N/A
A_23_P100991	1,44213	1,39318	1,034511727	ENST00000246646	8687	NM_006771	KRT38
A_22_P00019925	1,56149	1,51254	1,034511727	N/A	N/A	N/A	Inc-MPPED2-3
A_21_P0000432	1,67457	1,62562	1,034511727	N/A	767564	NR_003232	SNORD113-4
A_33_P3317670	1,68426	1,63532	1,034504557	ENST00000255030	1401	NM_000567	CRP
A_21_P0012432	1,43331	1,38437	1,034504557	ENST00000455623	101927347	N/A	GRM7-AS3
A_22_P00023820	1,58324	1,53431	1,034497386	ENST00000419620	N/A	N/A	N/A
A_24_P264943	2,38621	2,33729	1,034490216	ENST00000222271	1311	NM_000095	COMP
A_22_P00021116	1,49167	1,44275	1,034490216	N/A	N/A	AK097337	Inc-MORF4L1-2
A_24_P492083	1,61064	1,56173	1,034483045	ENST00000557121	101929422	XR_245820	LOC101929422
A_33_P3282454	1,40068	1,35177	1,034483045	ENST00000558252	6557	NM_000338	SLC12A1

A_21_P0007471	1,65178	1,60287	1,034483045	ENST00000527533	N/A	N/A	N/A
A_22_P00017421	1,69998	1,65108	1,034475875	N/A	100874037	NR_046752	CADM2-AS2
A_22_P00024323	1,47095	1,42205	1,034475875	N/A	N/A	N/A	Inc-C5orf42-3
A_23_P6303	14,9918	14,9429	1,034475875	ENST00000624739	7307	NM_001025204	U2AF1
A_22_P00007468	8,19004	8,14115	1,034468704	N/A	100128750	NR_046205	RBPM5-AS1
A_22_P00007028	1,56391	1,51503	1,034461534	N/A	N/A	N/A	Inc-GJA1-1
A_22_P00006271	3,21305	3,16418	1,034454364	N/A	103021296	NR_110983	LOC103021296
A_22_P00011446	1,56891	1,52004	1,034454364	N/A	N/A	N/A	Inc-PANK3-8
A_22_P00010314	1,41122	1,36236	1,034447193	N/A	N/A	AK127609	Inc-MUC20-3
A_33_P3336427	1,57045	1,52161	1,034432853	N/A	N/A	N/A	N/A
A_21_P0002674	5,49296	5,44413	1,034425683	ENST00000457336	400999	NR_033871	FLJ42351
A_21_P0013294	1,40838	1,35956	1,034418513	ENST00000433356	N/A	N/A	N/A
A_22_P00021085	1,56738	1,51856	1,034418513	N/A	N/A	N/A	Inc-KLHL32-1
A_22_P00016300	1,59416	1,54534	1,034418513	ENST00000544419	N/A	BX099693	N/A
A_22_P00001609	1,39864	1,34984	1,034404173	ENST00000562480	N/A	BC039335	N/A
A_22_P00015028	1,69003	1,64123	1,034404173	ENST00000564380	N/A	BC030212	N/A
A_33_P3379061	1,42397	1,37517	1,034404173	ENST00000375851	286223	NM_001001938	C9orf47
A_21_P0002338	1,58879	1,53999	1,034404173	N/A	N/A	N/A	Inc-NRP2-1
A_24_P167654	1,73919	1,6904	1,034397003	ENST00000357887	6547	NM_183002	SLC8A3
A_24_P279870	1,56996	1,52118	1,034389833	ENST00000217305	5173	NM_024411	PDYN
A_22_P00017809	1,41616	1,36739	1,034382663	N/A	N/A	N/A	Inc-ZBTB32-1
A_21_P0005434	1,69091	1,64215	1,034375493	ENST00000573229	286023	NR_046323	FLJ40288
A_21_P0006847	1,537	1,48825	1,034368324	N/A	N/A	N/A	Inc-C10orf126-2
A_22_P00008462	1,64358	1,59484	1,034361154	N/A	N/A	BI827769	Inc-KBTBD3-1
A_21_P0004327	1,43074	1,382	1,034361154	N/A	N/A	N/A	Inc-MAT2B-3
A_21_P0004577	1,45008	1,40135	1,034353984	N/A	N/A	N/A	Inc-EBF1-1
A_21_P0002161	1,41471	1,36598	1,034353984	N/A	N/A	N/A	Inc-SOX11-4
A_22_P00005467	1,48257	1,43385	1,034346815	N/A	101929590	NR_120666	NRG3-AS1
A_32_P65533	2,45572	2,407	1,034346815	ENST00000409806	340152	NM_207360	ZC3H12D
A_21_P0014794	1,70089	1,65218	1,034339645	N/A	N/A	N/A	N/A
A_22_P00025861	1,49768	1,44897	1,034339645	N/A	N/A	N/A	Inc-EPG5-2
A_21_P0002430	1,61206	1,56335	1,034339645	N/A	N/A	N/A	Inc-HAAO-1
A_22_P00007901	1,74098	1,69227	1,034339645	ENST00000557778	N/A	BG951912	N/A

A_21_P0005687	1,44402	1,39533	1,034325306	N/A	N/A	N/A	Inc-RP11-150O12.5.1-1
A_21_P0001501	1,42254	1,37385	1,034325306	N/A	N/A	N/A	Inc-DMRTA2-3
A_22_P00007088	3,38901	3,34033	1,034318137	N/A	N/A	AK098731	Inc-GLP2R-1
A_21_P0014680	1,6561	1,60742	1,034318137	N/A	N/A	N/A	N/A
A_22_P00010792	1,61571	1,56704	1,034310968	N/A	N/A	N/A	Inc-NLRC4-1
A_33_P3270354	1,73522	1,68655	1,034310968	ENST00000418789	N/A	N/A	N/A
A_33_P3832341	1,58393	1,53527	1,034303798	N/A	677770	BU955376	SCARNA22
A_21_P0004056	1,41082	1,36217	1,034296629	ENST00000510004	N/A	N/A	N/A
A_21_P0006764	1,41125	1,3626	1,034296629	ENST00000449272	N/A	N/A	N/A
A_33_P6473819	1,5652	1,51656	1,03428946	ENST00000427918	101927195	NR_120413	LINC00382
A_22_P00010937	1,58799	1,53935	1,03428946	ENST00000558885	N/A	N/A	N/A
A_23_P95536	1,57184	1,52321	1,034282291	ENST00000514159	11086	NM_014269	ADAM29
A_33_P3220678	1,63416	1,58553	1,034282291	N/A	N/A	N/A	N/A
A_21_P0001071	1,51372	1,46509	1,034282291	N/A	N/A	N/A	Inc-COG2-1
A_33_P3397165	1,42484	1,37622	1,034275122	N/A	N/A	DB452078	Inc-ATP6VOD2-1
A_21_P0002095	1,54213	1,49351	1,034275122	ENST00000432474	N/A	N/A	N/A
A_21_P0003323	1,40964	1,36102	1,034275122	ENST00000499082	101927074	NR_104143	LINC00682
A_24_P122921	9,85969	9,81108	1,034267953	ENST00000622509	10018	NM_138621	BCL2L11
A_32_P491499	1,49487	1,44626	1,034267953	ENST00000407635	285191	XR_249328	LOC285191
A_21_P0005771	1,55767	1,50907	1,034260784	N/A	N/A	N/A	Inc-CHRAC1-1
A_21_P0009438	1,41232	1,36372	1,034260784	N/A	N/A	N/A	Inc-NDC80-3
A_23_P212119	1,77006	1,72147	1,034253615	ENST00000339732	117248	NM_054110	GALNT15
A_22_P00010492	1,6545	1,60591	1,034253615	ENST00000552230	N/A	N/A	N/A
A_21_P0004907	1,49677	1,44819	1,034246446	N/A	N/A	N/A	Inc-GJA10-5
A_23_P350512	1,41744	1,36887	1,034239277	ENST00000368676	8038	NM_021641	ADAM12
A_22_P00008075	1,64821	1,59964	1,034239277	N/A	N/A	CN268206	Inc-IKZF1-2
A_33_P3403560	1,40117	1,35261	1,034232108	ENST00000612209	284546	NM_001136508	C1orf185
A_22_P00021527	1,58591	1,53736	1,03422494	ENST00000446370	N/A	N/A	N/A
A_21_P0010442	3,5256	3,47705	1,03422494	N/A	N/A	N/A	Inc-PDGF1-1
A_23_P73809	1,61577	1,56723	1,034217771	ENST00000538422	57631	NM_020871	LRCH2
A_21_P0008184	1,53908	1,49055	1,034210602	N/A	N/A	N/A	Inc-RNF219-1
A_23_P53039	4,13526	4,08673	1,034210602	ENST00000280704	3948	NM_002301	LDHC
A_21_P0003994	1,68264	1,63412	1,034203434	ENST00000508829	N/A	N/A	N/A

A_23_P153986	1,61299	1,56447	1,034203434	ENST00000295101	3760	NM_002239	KCNJ3
A_22_P00016120	1,41098	1,36246	1,034203434	ENST00000511219	N/A	N/A	N/A
A_23_P120982	1,41654	1,36802	1,034203434	ENST00000253255	10343	NM_006071	PKDREJ
A_22_P00014561	5,05944	5,01093	1,034196265	N/A	N/A	BU154835	Inc-SIX6-1
A_22_P00009049	1,48006	1,43155	1,034196265	ENST00000366820	7044	NM_003240	LEFTY2
A_21_P0004957	1,4193	1,3708	1,034189097	N/A	N/A	N/A	Inc-AL590867.1-2
A_21_P0010616	1,62496	1,57646	1,034189097	ENST00000563752	N/A	N/A	N/A
A_21_P0013507	1,692	1,6435	1,034189097	ENST00000522393	N/A	N/A	N/A
A_22_P00015367	1,45735	1,40885	1,034189097	ENST00000557521	N/A	N/A	N/A
A_33_P3397433	5,40397	5,35548	1,034181928	N/A	N/A	N/A	N/A
A_23_P43369	1,58743	1,53894	1,034181928	ENST00000474403	27240	NM_014450	SIT1
A_22_P00018492	1,76365	1,71516	1,034181928	N/A	N/A	N/A	Inc-CHAD-3
A_21_P0014735	1,48538	1,43689	1,034181928	N/A	N/A	XR_113120	N/A
A_33_P3277497	1,72658	1,6781	1,03417476	N/A	100131508	AF130064	LOC100131508
A_22_P00021165	1,42826	1,37978	1,03417476	ENST00000444158	101927914	N/A	LOC101927914
A_33_P3324904	2,45341	2,40493	1,03417476	N/A	N/A	N/A	N/A
A_24_P673333	1,46896	1,42048	1,03417476	ENST00000622561	6007	NM_016124	RHD
A_23_P49657	1,43264	1,38417	1,034167592	ENST00000226207	4619	NM_005963	MYH1
A_33_P3351879	1,41284	1,36438	1,034160423	ENST00000563759	N/A	XM_001721827	N/A
A_33_P3301499	1,56027	1,51181	1,034160423	ENST00000494582	677779	NR_026767	LINC00488
A_22_P00018222	7,39724	7,34879	1,034153255	ENST00000456532	401585	NR_125365	LOC401585
A_22_P00023761	1,42966	1,38122	1,034146087	ENST00000491567	N/A	CR741135	N/A
A_33_P3595369	1,53127	1,48283	1,034146087	ENST00000479725	5995	NM_002921	RGR
A_33_P3370454	1,6273	1,57887	1,034138919	ENST00000344638	245911	NM_001002035	DEFB108B
A_23_P64825	1,42351	1,37508	1,034138919	ENST00000257867	90070	NM_033277	LACRT
A_22_P00022731	1,56057	1,51214	1,034138919	N/A	N/A	BC036308	Inc-ADC-1
A_21_P0002406	1,64571	1,59728	1,034138919	N/A	N/A	N/A	Inc-NBAS-4
A_33_P3384902	1,56093	1,5125	1,034138919	ENST00000327930	390260	NM_001005188	OR6X1
A_21_P0012542	1,58605	1,53763	1,034131751	ENST00000464271	285286	NR_104116	LINC00877
A_33_P3264193	3,39038	3,34197	1,034124583	ENST00000299459	120776	NM_003700	OR2D2
A_21_P0009590	10,1355	10,0871	1,034117415	N/A	N/A	N/A	Inc-MBP-1
A_23_P428382	10,622	10,5736	1,034117415	ENST00000487769	54812	NM_203437	AFTPH
A_21_P0005477	6,55455	6,50617	1,034103079	N/A	N/A	N/A	Inc-NPVF-4

A_32_P8156	1,42037	1,37199	1,034103079	ENST00000330194	219621	NM_173554	C10orf107
A_21_P0004679	1,55214	1,50378	1,034088743	N/A	N/A	N/A	Inc-WISP3-1
A_21_P0007005	1,43797	1,38961	1,034088743	N/A	N/A	N/A	Inc-DYDC1-2
A_21_P0002103	1,42653	1,37818	1,034081576	ENST00000413403	N/A	N/A	N/A
A_24_P479551	1,57704	1,52869	1,034081576	ENST00000399816	134111	NM_001145161	UBE2QL1
A_22_P00009471	1,41353	1,36519	1,034074408	N/A	102724950	XR_425240	LOC102724950
A_22_P00000779	1,52628	1,47794	1,034074408	N/A	N/A	N/A	Inc-ADD3-3
A_22_P00007138	1,40176	1,35342	1,034074408	N/A	100505881	NR_038346	MAGI2-AS3
A_22_P00014791	1,40885	1,36052	1,03406724	ENST00000413290	N/A	N/A	N/A
A_22_P00019083	1,65893	1,6106	1,03406724	ENST00000569596	101929408	XR_424648	LOC101929408
A_24_P6030	8,01985	7,97153	1,034060073	ENST00000481710	N/A	XM_006723951	N/A
A_22_P00020422	1,49816	1,44984	1,034060073	ENST00000419801	N/A	N/A	N/A
A_22_P00017658	1,70733	1,65902	1,034052905	ENST00000524022	N/A	XR_247155	N/A
A_33_P3239214	1,47727	1,42896	1,034052905	ENST00000263321	7299	NM_000372	TYR
A_21_P0006088	1,45559	1,40728	1,034052905	ENST00000427523	340515	N/A	LINC01501
A_33_P3358104	1,97491	1,9266	1,034052905	ENST00000392619	342510	NM_181449	CD300E
A_23_P53557	12,7736	12,7253	1,034045738	ENST00000228918	4055	NM_002342	LTBR
A_33_P3228533	1,75083	1,70253	1,034045738	N/A	N/A	N/A	N/A
A_23_P53288	15,3796	15,3313	1,034045738	ENST00000553191	10330	NM_014255	CNPY2
A_22_P00013781	1,41128	1,36299	1,03403857	N/A	101929194	N/A	LOC101929194
A_24_P261417	1,62212	1,57383	1,03403857	ENST00000396505	27122	NM_015881	DKK3
A_21_P0000546	1,40721	1,35893	1,034031403	N/A	100128023	NR_027764	DPPA2P3
A_24_P943566	1,68688	1,6386	1,034031403	ENST00000379350	221692	AB051520	PHACTR1
A_33_P3214343	4,85979	4,81152	1,034024236	N/A	N/A	N/A	N/A
A_33_P3337921	1,61939	1,57112	1,034024236	N/A	727944	XR_109991	LOC727944
A_22_P00018935	1,40905	1,36078	1,034024236	N/A	101930541	XR_248776	LOC101930541
A_33_P3252695	1,49613	1,44787	1,034017068	ENST00000307746	54360	NM_018659	CYTL1
A_23_P311670	1,79663	1,74838	1,034009901	ENST00000359253	256369	NR_024184	LINC00521
A_33_P3280700	3,89226	3,84402	1,034002734	ENST00000377411	80045	NM_024980	GPR157
A_21_P0005381	1,40971	1,36147	1,034002734	N/A	N/A	N/A	Inc-POM121L12-3
A_21_P0012346	1,63008	1,58184	1,034002734	ENST00000411581	N/A	XR_426473	N/A
A_22_P00013655	1,39746	1,34923	1,033995567	N/A	N/A	N/A	Inc-RP11-67704.1.1-2
A_33_P3302393	8,65605	8,60783	1,0339884	ENST00000258157	79786	XR_243425	KLHL36



A_33_P3275233	2,75469	2,70647	1,0339884	N/A	100131792	AK093561	LOC100131792
A_21_P0009767	1,40984	1,36162	1,0339884	N/A	N/A	N/A	Inc-AC022148.1-1
A_22_P00015398	1,42947	1,38125	1,0339884	N/A	N/A	N/A	Inc-SRP68-1
A_21_P0003292	1,40091	1,35269	1,0339884	N/A	101929320	XR_241526	LOC101929320
A_33_P3232871	1,74328	1,69506	1,0339884	ENST00000380585	100288797	NM_001167670	TMEM239
A_21_P0009677	1,50053	1,45232	1,033981233	N/A	N/A	N/A	Inc-TNFAIP8L1-1
A_22_P00019231	1,60579	1,55759	1,033974066	ENST00000454530	N/A	N/A	N/A
A_23_P349676	11,5649	11,5167	1,033974066	ENST00000521871	150726	NM_001080410	FBXO41
A_23_P80491	1,70097	1,65278	1,033966899	ENST00000511956	5948	NM_004164	RBP2
A_22_P00024343	1,42304	1,37486	1,033959732	ENST00000423568	N/A	N/A	N/A
A_24_P600377	1,41438	1,3662	1,033959732	ENST00000564719	100127206	N/A	KIAA1024L
A_22_P00002043	1,56593	1,51775	1,033959732	ENST00000544399	N/A	BX090893	N/A
A_22_P00021998	1,56679	1,51861	1,033959732	N/A	N/A	CR738199	Inc-MMP15-1
A_21_P0012680	1,61482	1,56664	1,033959732	N/A	N/A	N/A	XLOC_I2_011272
A_21_P0001554	1,53271	1,48454	1,033952565	N/A	N/A	N/A	Inc-DPYD-2
A_22_P00001188	1,60985	1,56169	1,033945398	N/A	N/A	N/A	Inc-ANGPTL2-1
A_33_P3245131	1,62292	1,57476	1,033945398	ENST00000580869	N/A	N/A	N/A
A_33_P3222183	1,43034	1,38218	1,033945398	ENST00000401478	56896	NM_020134	DPYSL5
A_33_P3261222	1,39839	1,35025	1,033931065	ENST00000180173	9108	NM_004686	MTMR7
A_21_P0013028	1,4465	1,39837	1,033923898	N/A	N/A	N/A	XLOC_I2_012605
A_21_P0014478	1,42942	1,38129	1,033923898	N/A	N/A	N/A	N/A
A_22_P00008417	1,55336	1,50523	1,033923898	ENST00000424592	N/A	N/A	N/A
A_22_P00022458	1,56457	1,51645	1,033916731	ENST00000506392	101927059	XR_246560	LOC101927059
A_33_P3237948	1,42776	1,37964	1,033916731	ENST00000368806	126637	NM_001008536	TCHHL1
A_21_P0003878	1,74708	1,69897	1,033909565	N/A	N/A	N/A	Inc-TRIML1-6
A_19_P00806071	1,57983	1,53173	1,033902398	ENST00000607539	101927533	N/A	LOC101927533
A_22_P00022425	1,41008	1,36198	1,033902398	N/A	N/A	N/A	Inc-FGFBP1-1
A_22_P00015484	1,49434	1,44624	1,033902398	ENST00000424888	N/A	N/A	N/A
A_33_P3246198	1,46357	1,41548	1,033895232	ENST00000329446	399814	NM_001010912	C10orf120
A_22_P00018796	1,46041	1,41232	1,033895232	N/A	N/A	BG208054	Inc-PCM1-2
A_22_P00017883	1,55759	1,5095	1,033895232	N/A	N/A	N/A	Inc-ZFAND2A-1
A_21_P0001258	1,41345	1,36537	1,033888066	ENST00000420522	N/A	N/A	N/A
A_21_P0014931	1,42301	1,37493	1,033888066	N/A	N/A	N/A	N/A

A_21_P0009550	1,4765	1,42842	1,033888066	N/A	N/A	N/A	Inc-CELF4-6
A_21_P0004049	1,53572	1,48764	1,033888066	ENST00000509669	N/A	N/A	N/A
A_22_P00021245	1,44718	1,3991	1,033888066	ENST00000519280	N/A	AA383451	N/A
A_32_P902957	1,4123	1,36423	1,033880899	ENST00000282026	115761	NM_138450	ARL11
A_23_P387656	1,75869	1,71062	1,033880899	ENST00000374566	54566	NM_019114	EPB41L4B
A_33_P3270295	1,45932	1,41125	1,033880899	ENST00000373018	10817	NM_006653	FRS3
A_21_P0006786	1,40813	1,36006	1,033880899	ENST00000450669	N/A	N/A	N/A
A_33_P3413296	1,44065	1,39258	1,033880899	ENST00000380805	2762	AK057484	GMDS
A_23_P12620	8,71179	8,66373	1,033873733	ENST00000371627	80351	NM_025235	TNKS2
A_22_P00018263	1,55661	1,50855	1,033873733	N/A	N/A	N/A	Inc-ZNF736-1
A_33_P3241891	1,50225	1,45419	1,033873733	ENST00000377823	8029	N/A	CUBN
A_22_P00021722	1,69107	1,64302	1,033866567	N/A	100874195	NR_109838	DIAPH3-AS1
A_21_P0011983	1,66033	1,61229	1,033859401	ENST00000432711	N/A	N/A	N/A
A_21_P0004357	1,46489	1,41685	1,033859401	N/A	N/A	N/A	Inc-MED10-4
A_22_P00004278	1,56608	1,51804	1,033859401	N/A	N/A	AL710274	Inc-CNN3-1
A_24_P213478	1,43749	1,38946	1,033852234	ENST00000343348	57556	NM_020796	SEMA6A
A_22_P00017112	7,01943	6,97141	1,033845068	ENST00000559752	N/A	N/A	N/A
A_23_P381351	2,09516	2,04714	1,033845068	ENST00000610991	1442	NM_001317	CSH1
A_21_P0006860	1,40699	1,35897	1,033845068	N/A	N/A	N/A	Inc-ZNF33A-4
A_21_P0008465	1,4912	1,44318	1,033845068	ENST00000555512	102724190	XR_424532	LOC102724190
A_33_P3462955	1,65173	1,60371	1,033845068	N/A	401490	BC052949	LOC401490
A_21_P0002101	1,40042	1,3524	1,033845068	ENST00000455174	N/A	N/A	N/A
A_33_P3221761	5,17742	5,1294	1,033845068	ENST00000420124	9757	NM_014727	KMT2B
A_22_P00024752	1,57091	1,5229	1,033837902	ENST00000554725	100309464	N/A	OTX2-AS1
A_21_P0000621	1,69285	1,64485	1,033830736	ENST00000471719	100498859	NR_034008	LINC00881
A_22_P00024055	1,60081	1,55281	1,033830736	ENST00000421730	84668	N/A	FAM126A
A_22_P00019559	1,58911	1,54111	1,033830736	N/A	N/A	N/A	Inc-CYR61-2
A_21_P0007699	1,44116	1,39316	1,033830736	N/A	N/A	N/A	Inc-SYT10-3
A_21_P0004742	1,44346	1,39546	1,033830736	ENST00000456103	N/A	N/A	N/A
A_21_P0010586	1,68547	1,63747	1,033830736	ENST00000366552	128025	N/A	WDR64
A_33_P3863935	1,84647	1,79847	1,033830736	ENST00000438248	142913	N/A	CFL1P1
A_23_P35848	10,9164	10,8684	1,033830736	ENST00000531236	55191	NM_018161	NADSYN1
A_22_P00004314	1,63732	1,58933	1,03382357	ENST00000435441	N/A	N/A	N/A

A_22_P00022090	1,93708	1,88909	1,03382357	ENST00000440351	N/A	N/A	N/A
A_33_P3309911	5,82119	5,7732	1,03382357	ENST00000621481	343068	NM_001013407	PRAMEF5
A_19_P00812582	7,37634	7,32835	1,03382357	N/A	55000	NR_110492	TUG1
A_21_P0007789	1,56281	1,51482	1,03382357	ENST00000544499	387895	N/A	LINC00944
A_22_P00015422	1,43588	1,38789	1,03382357	ENST00000430025	N/A	N/A	N/A
A_22_P00016858	6,29469	6,24671	1,033816404	N/A	N/A	N/A	Inc-TRPT1-1
A_22_P00012753	6,14466	6,09668	1,033816404	ENST00000606491	N/A	N/A	N/A
A_21_P0002220	1,40674	1,35877	1,033809239	N/A	101927235	XR_245007	LOC101927235
A_33_P3395400	1,58725	1,53928	1,033809239	N/A	100130256	XR_249242	LOC100130256
A_33_P3287383	1,41107	1,3631	1,033809239	ENST00000366952	6582	N/A	SLC22A2
A_21_P0001351	1,51792	1,46996	1,033802073	N/A	N/A	N/A	Inc-PTBP2-1
A_21_P0006671	1,60107	1,55311	1,033802073	ENST00000457804	N/A	N/A	N/A
A_33_P3385725	1,5088	1,46084	1,033802073	ENST00000360213	119772	NM_001004137	OR52M1
A_33_P3263212	1,56239	1,51443	1,033802073	ENST00000310961	57554	NM_020794	LRRC7
A_33_P3782612	1,49632	1,44836	1,033802073	ENST00000581862	N/A	BC047643	N/A
A_22_P00002224	4,51847	4,47051	1,033802073	N/A	101929145	XR_246131	PPP3CB-AS1
A_33_P3248405	1,46239	1,41445	1,033787741	N/A	203447	BC108702	NRK
A_22_P00001181	1,42307	1,37514	1,033780576	N/A	100507530	XR_426277	LOC100507530
A_33_P3244215	1,46016	1,41223	1,033780576	ENST00000374779	138799	NM_001004482	OR13C5
A_21_P0002515	1,69802	1,65011	1,033766245	N/A	N/A	N/A	Inc-RBMS1-1
A_23_P208768	1,6115	1,56359	1,033766245	ENST00000355524	2204	NM_002000	FCAR
A_23_P253421	12,5604	12,5125	1,033759079	ENST00000464887	550	NM_181575	AUP1
A_33_P3258561	1,549	1,5011	1,033759079	N/A	N/A	N/A	N/A
A_22_P00000698	1,49806	1,45017	1,033751914	N/A	N/A	N/A	Inc-ADAM23-1
A_33_P3362652	1,4156	1,36772	1,033744748	ENST00000615035	403273	NM_001005514	OR5H14
A_22_P00000983	1,55948	1,5116	1,033744748	ENST00000399868	399715	N/A	LOC399715
A_32_P122226	6,82962	6,78175	1,033737583	ENST00000548310	144193	NM_152435	AMDHD1
A_22_P00016641	1,56896	1,52109	1,033737583	N/A	N/A	N/A	Inc-TOX3-3
A_21_P0004583	3,23798	3,19012	1,033730418	N/A	N/A	N/A	Inc-BOD1-1
A_24_P98006	1,42268	1,37482	1,033730418	ENST00000281806	84539	NM_001040179	MCHR2
A_32_P405759	1,40421	1,35636	1,033723252	ENST00000303045	169044	NM_152888	COL22A1
A_21_P0003276	1,61678	1,56893	1,033723252	N/A	N/A	N/A	Inc-LRRC33-1
A_33_P3422999	1,59864	1,55079	1,033723252	ENST00000416929	N/A	N/A	N/A

A_33_P3247151	1,40748	1,35964	1,033716087	N/A	101928356	XM_005260632	LOC101928356
A_22_P00021856	1,5949	1,54706	1,033716087	ENST00000578039	N/A	N/A	N/A
A_21_P0003287	1,40593	1,35809	1,033716087	N/A	N/A	N/A	Inc-SHQ1-1
A_33_P3233368	1,39611	1,34827	1,033716087	ENST00000454788	645434	N/A	LOC645434
A_21_P0000795	1,611	1,56317	1,033708922	N/A	100289211	N/A	LINC00624
A_21_P0004372	1,65405	1,60622	1,033708922	N/A	N/A	N/A	Inc-DROSHA-7
A_23_P34183	1,40784	1,36001	1,033708922	ENST00000623874	353515	NM_001002906	XKRY2
A_33_P3352961	1,55034	1,50251	1,033708922	ENST00000622654	N/A	N/A	N/A
A_23_P23873	1,40562	1,3578	1,033701757	ENST00000367662	60676	NM_020318	PAPPA2
A_33_P3391039	1,66884	1,62102	1,033701757	ENST00000502294	401137	NM_214711	PRR27
A_33_P3357332	4,21242	4,1646	1,033701757	N/A	N/A	XR_171816	Inc-C9orf147-1
A_33_P3300117	5,80037	5,75256	1,033694592	N/A	N/A	N/A	N/A
A_24_P290692	1,61278	1,56497	1,033694592	ENST00000416691	57511	NM_001145079	COG6
A_21_P0001778	1,58153	1,53372	1,033694592	ENST00000425887	101926959	XR_244897	LOC101926959
A_22_P00008381	1,50132	1,45351	1,033694592	ENST00000532706	100128239	NR_027276	LOC100128239
A_23_P93543	10,8664	10,8186	1,033687427	ENST00000318471	5191	NM_000288	PEX7
A_23_P160025	12,5569	12,5091	1,033687427	ENST00000562225	3428	NM_005531	IFI16
A_19_P00321356	3,51475	3,46695	1,033687427	ENST00000457686	101927289	N/A	LINC01237
A_21_P0003634	1,44573	1,39793	1,033687427	N/A	N/A	N/A	Inc-TET2-1
A_32_P210572	10,1894	10,1416	1,033687427	ENST00000542800	388722	NM_001024594	C1orf53
A_22_P00006972	1,40287	1,35508	1,033680262	N/A	N/A	N/A	Inc-GDE1-2
A_33_P3353816	1,4126	1,36481	1,033680262	N/A	3676	NM_000885	ITGA4
A_33_P3310894	1,41176	1,36397	1,033680262	ENST00000398486	125115	NM_182497	KRT40
A_33_P3359513	1,40145	1,35366	1,033680262	ENST00000550410	N/A	N/A	N/A
A_21_P0001264	1,47068	1,4229	1,033673097	N/A	N/A	N/A	Inc-PRDM2-1
A_23_P356163	1,50441	1,45663	1,033673097	ENST00000308378	151790	NM_178824	WDR49
A_21_P0004833	1,59696	1,54919	1,033665932	N/A	N/A	N/A	Inc-BMP6-8
A_22_P00000636	1,40629	1,35852	1,033665932	ENST00000510284	N/A	N/A	N/A
A_21_P0007634	1,39646	1,3487	1,033658767	N/A	N/A	N/A	Inc-RP11-116D17.1.1-6
A_24_P944741	1,75007	1,70231	1,033658767	ENST00000328559	55805	NM_018409	LRP2BP
A_22_P00024374	1,61253	1,56477	1,033658767	ENST00000427290	N/A	N/A	N/A
A_33_P3327663	8,42889	8,38114	1,033651603	ENST00000342943	55061	N/A	SUSD4
A_22_P00007315	1,63975	1,59202	1,033637273	ENST00000556684	283587	N/A	LINC01146

A_21_P0003113	1,40181	1,35409	1,033630109	N/A	N/A	N/A	Inc-ULK4-4
A_21_P0005850	1,59388	1,54616	1,033630109	N/A	N/A	N/A	Inc-CRH-1
A_33_P3359864	1,55754	1,50983	1,033622944	N/A	N/A	AK074445	N/A
A_23_P41241	1,65554	1,60783	1,033622944	ENST00000296125	7047	NM_003241	TGM4
A_22_P00016562	1,41983	1,37214	1,033608615	ENST00000428142	284191	XR_243598	LOC284191
A_22_P00013685	1,40832	1,36063	1,033608615	ENST00000530572	N/A	CR743746	N/A
A_22_P00013145	1,6991	1,65143	1,033594286	ENST00000442831	N/A	N/A	N/A
A_21_P0008860	1,68346	1,63579	1,033594286	ENST00000558578	283688	N/A	LINC00927
A_23_P2973	1,49271	1,44505	1,033587122	ENST00000285600	79544	NM_001004063	OR4K1
A_22_P00008699	1,43541	1,38776	1,033579958	N/A	N/A	N/A	Inc-KIAA1217-1
A_21_P0010954	1,41291	1,36526	1,033579958	ENST00000447757	101927549	XR_247591	LOC101927549
A_22_P00022050	1,401	1,35335	1,033579958	N/A	101927591	XR_244839	DPP10-AS3
A_33_P3400217	5,64781	5,60017	1,033572794	ENST00000399246	6521	NM_000342	SLC4A1
A_33_P3209476	8,67022	8,62259	1,033565629	ENST00000381112	83605	NM_031443	CCM2
A_33_P3261710	1,45708	1,40945	1,033565629	ENST00000503647	100130017	NR_015446	FTLP10
A_21_P0013691	1,41666	1,36904	1,033558465	ENST00000433645	441389	N/A	LINC01239
A_33_P3399985	1,54715	1,49953	1,033558465	ENST00000462693	N/A	AJ272081	N/A
A_33_P3212395	1,43886	1,39124	1,033558465	ENST00000479478	100379220	N/A	TMED11P
A_21_P0000434	1,39809	1,35047	1,033558465	N/A	767566	NR_003234	SNORD113-6
A_22_P00004057	1,40329	1,35568	1,033551301	N/A	N/A	N/A	Inc-CHST4-1
A_22_P00017525	1,60206	1,55446	1,033544137	N/A	N/A	N/A	Inc-WDR16-1
A_21_P0004265	1,41492	1,36732	1,033544137	N/A	N/A	N/A	Inc-BTF3-3
A_33_P3298980	10,0537	10,0061	1,033544137	N/A	N/A	N/A	N/A
A_33_P3235078	1,68043	1,63284	1,033536973	ENST00000456946	51127	NM_001134855	TRIM17
A_32_P15512	1,64219	1,59461	1,033529809	ENST00000460065	127003	NM_001122961	C1orf194
A_33_P3307119	1,58818	1,54062	1,033515482	ENST00000322049	401665	NM_001004759	OR51T1
A_21_P0002304	1,46506	1,41751	1,033508318	N/A	N/A	N/A	Inc-GALNT5-1
A_22_P00011197	1,55149	1,50394	1,033508318	ENST00000569422	100861552	NR_047488	LINC00558
A_22_P00024615	1,67341	1,62586	1,033508318	N/A	N/A	N/A	Inc-DMRTA2-2
A_21_P0001328	1,67866	1,63111	1,033508318	N/A	N/A	N/A	Inc-PRKACB-2
A_21_P0005182	1,52405	1,4765	1,033508318	N/A	N/A	N/A	Inc-SDIM1-3
A_23_P129458	9,50397	9,45643	1,033501154	ENST00000328945	93517	NM_145168	SDR42E1
A_22_P00011180	1,40467	1,35713	1,033501154	ENST00000448948	N/A	N/A	N/A

A_32_P86067	1,50241	1,45487	1,033501154	ENST00000282928	7545	NM_003412	ZIC1
A_24_P334845	1,51465	1,46712	1,033493991	ENST00000531764	157739	NR_001578	TDH
A_23_P73837	1,62522	1,57769	1,033493991	ENST00000218032	51311	NM_016610	TLR8
A_33_P3291150	1,41644	1,36891	1,033493991	N/A	N/A	N/A	N/A
A_21_P0005635	1,3957	1,34818	1,033486827	ENST00000505083	101927845	N/A	LOC101927845
A_24_P193244	1,49751	1,44999	1,033486827	ENST00000511166	54937	NM_017826	SOHLH2
A_22_P00000843	1,42309	1,37557	1,033486827	ENST00000433552	5089	NM_002586	PBX2
A_21_P0002625	1,49968	1,45216	1,033486827	N/A	N/A	N/A	Inc-SPAG16-4
A_22_P00021962	1,41182	1,36431	1,033479663	N/A	N/A	DB027399	Inc-TAS2R1-3
A_33_P3287303	1,40955	1,36204	1,033479663	ENST00000342331	121549	NM_203436	ASCL4
A_21_P0011160	1,68772	1,64021	1,033479663	N/A	N/A	N/A	XL0C_I2_003843
A_21_P0009726	4,3683	4,32079	1,033479663	N/A	N/A	N/A	Inc-DHX34-1
A_24_P206344	12,5776	12,5301	1,0334725	ENST00000458143	155061	NM_152557	ZNF746
A_21_P0005713	1,50112	1,45362	1,0334725	N/A	N/A	N/A	Inc-BHLHE22-3
A_33_P3395186	1,40901	1,36151	1,0334725	N/A	N/A	N/A	N/A
A_23_P68167	1,39947	1,35197	1,0334725	ENST00000393504	1261	NM_001298	CNGA3
A_22_P00011730	1,58511	1,53761	1,0334725	ENST00000558120	N/A	DA011747	N/A
A_22_P00011485	1,68406	1,63658	1,033458173	ENST00000576944	N/A	N/A	N/A
A_21_P0006121	1,51741	1,46993	1,033458173	N/A	N/A	N/A	Inc-VLDLR-2
A_23_P71328	5,81273	5,76526	1,03345101	ENST00000521952	4147	NM_030583	MATN2
A_22_P00020759	1,39493	1,34746	1,03345101	N/A	N/A	N/A	Inc-PLEKHA3-5
A_21_P0009335	1,578	1,53054	1,033443846	N/A	N/A	N/A	Inc-C17orf67-2
A_21_P0001521	1,57415	1,52669	1,033443846	N/A	N/A	N/A	Inc-ELTD1-4
A_22_P00006506	1,40681	1,35935	1,033443846	N/A	N/A	N/A	Inc-FGFBP1-1
A_32_P314783	1,55711	1,50965	1,033443846	N/A	100131496	NR_024594	LOC100131496
A_21_P0013620	1,70962	1,66216	1,033443846	ENST00000497195	N/A	N/A	N/A
A_22_P00019119	1,61286	1,56541	1,033436683	N/A	N/A	N/A	Inc-C5orf25-1
A_21_P0004763	1,64743	1,59999	1,03342952	ENST00000418567	102724168	N/A	LOC102724168
A_22_P00003114	1,60768	1,56024	1,03342952	N/A	N/A	N/A	Inc-C9orf104-2
A_23_P362736	1,60256	1,55512	1,03342952	ENST00000405415	222967	NM_173565	RSPH10B
A_21_P0012462	1,73956	1,69213	1,033422357	N/A	N/A	N/A	XL0C_I2_010370
A_22_P00000010	1,41532	1,36789	1,033422357	ENST00000368679	8038	NM_003474	ADAM12
A_21_P0010177	1,45631	1,40889	1,033415194	ENST00000430064	N/A	N/A	N/A

A_22_P00004765	1,67773	1,63032	1,033408031	N/A	N/A	N/A	Inc-CTTNBP2-1
A_22_P00008283	1,55301	1,5056	1,033408031	N/A	N/A	N/A	Inc-ISCU-1
A_22_P00018406	1,40559	1,35818	1,033408031	ENST00000506379	N/A	N/A	N/A
A_21_P0014174	4,89346	4,84606	1,033400868	N/A	N/A	AK096219	Inc-PSMG4-1
A_22_P00016317	1,70432	1,65692	1,033400868	ENST00000505807	440119	N/A	FZD10-AS1
A_21_P0010225	1,44937	1,40197	1,033400868	N/A	N/A	N/A	Inc-GABPA-6
A_21_P0014068	1,68236	1,63496	1,033400868	N/A	N/A	N/A	N/A
A_22_P00004708	1,51457	1,46718	1,033393705	N/A	N/A	N/A	Inc-CTD-3080F16.3.1-1
A_21_P0014753	1,40805	1,36066	1,033393705	N/A	N/A	N/A	N/A
A_22_P00003768	1,45946	1,41207	1,033393705	N/A	N/A	AA417243	Inc-CDK13-2
A_21_P0006182	1,63133	1,58395	1,033386542	N/A	N/A	N/A	Inc-C9orf89-1
A_33_P3304888	7,71078	7,6634	1,033386542	ENST00000413270	84669	NM_032582	USP32
A_33_P3338006	1,5661	1,51873	1,033379379	ENST00000415010	N/A	N/A	N/A
A_22_P00012263	1,41148	1,36411	1,033379379	N/A	N/A	DB171767	Inc-PPP1R3A-2
A_21_P0014034	1,56407	1,51671	1,033372216	ENST00000540237	101929584	N/A	LOC101929584
A_21_P0007321	9,77307	9,72572	1,033365053	N/A	N/A	N/A	Inc-SOX6-1
A_33_P3467752	1,56126	1,51392	1,03335789	N/A	54082	NR_103707	TSPEAR-AS1
A_33_P3673544	1,62178	1,57444	1,03335789	N/A	N/A	N/A	N/A
A_32_P43349	1,73611	1,68878	1,033350728	ENST00000556899	400456	NR_034095	LINC01197
A_22_P00019397	1,44636	1,39903	1,033350728	ENST00000559165	N/A	CR741480	N/A
A_23_P410408	1,39429	1,34696	1,033350728	ENST00000344248	162998	NM_175883	OR7D2
A_21_P0003058	1,57945	1,53212	1,033350728	ENST00000481578	646168	NR_033843	LINC01330
A_33_P3253578	1,40195	1,35463	1,033343565	ENST00000375013	26595	NM_001005468	OR8B2
A_32_P96435	1,56847	1,52115	1,033343565	ENST00000611922	374899	NM_001037232	ZNF829
A_22_P00010650	7,02953	6,98222	1,033336403	ENST00000563278	N/A	BC010081	N/A
A_21_P0004821	4,3984	4,3511	1,03332924	ENST00000530346	100508120	NR_046229	GMDS-AS1
A_33_P3323979	3,98588	3,93858	1,03332924	N/A	339874	NR_038976	LOC339874
A_33_P3329461	1,67367	1,62638	1,033322078	ENST00000603944	N/A	N/A	N/A
A_32_P164593	1,40276	1,35547	1,033322078	ENST00000297737	79698	NM_024645	ZMAT4
A_22_P00010746	1,55865	1,51136	1,033322078	N/A	101927990	NR_110844	LOC101927990
A_22_P00000896	1,41389	1,36661	1,033314915	ENST00000427247	N/A	XR_428766	N/A
A_22_P00016521	1,41495	1,36768	1,033307753	ENST00000568788	N/A	AL079309	N/A
A_33_P3335047	1,52236	1,47509	1,033307753	ENST00000366485	N/A	AB529268	N/A

A_33_P3318272	1,61555	1,56829	1,033300591	ENST00000528616	219487	NM_001005245	OR5M11
A_22_P00025946	1,50936	1,4621	1,033300591	N/A	N/A	N/A	Inc-CIT-6
A_21_P0001651	1,43106	1,38381	1,033293428	N/A	N/A	N/A	Inc-AKT3-1
A_21_P0008076	1,47353	1,42629	1,033286266	N/A	N/A	N/A	Inc-AL445989.1-11
A_24_P911906	1,41061	1,36337	1,033286266	ENST00000377918	27253	NM_001040429	PCDH17
A_23_P380901	1,70265	1,65541	1,033286266	ENST00000272847	5746	NM_005048	PTH2R
A_19_P00319709	1,57159	1,52436	1,033279104	ENST00000463143	344595	NR_028302	LINC00883
A_33_P3330120	1,4041	1,35687	1,033279104	N/A	N/A	N/A	Inc-RP11-429E11.3.1-1
A_33_P3265619	1,6049	1,55767	1,033279104	N/A	N/A	DA067175	N/A
A_33_P3315624	1,4059	1,35867	1,033279104	N/A	N/A	N/A	N/A
A_21_P0008512	1,60588	1,55865	1,033279104	N/A	N/A	N/A	Inc-FANCM-5
A_33_P3385696	1,69937	1,65215	1,033271942	ENST00000322641	390066	NM_001005163	OR52D1
A_32_P163739	4,40166	4,35444	1,033271942	ENST00000510149	57501	NM_020741	KIAA1257
A_22_P00024893	1,55433	1,50712	1,03326478	N/A	N/A	N/A	Inc-AHNAK-4
A_21_P0002285	1,74929	1,70208	1,03326478	N/A	N/A	N/A	Inc-TSN-7
A_24_P246777	1,68915	1,64194	1,03326478	ENST00000447373	N/A	N/A	N/A
A_21_P0013193	7,97403	7,92682	1,03326478	ENST00000416572	285908	NR_026873	LINC00174
A_33_P3395289	1,44673	1,39953	1,033257618	N/A	N/A	N/A	N/A
A_21_P0013486	1,40333	1,35613	1,033257618	ENST00000519160	100507651	NR_038235	LOC100507651
A_23_P21324	1,41072	1,36352	1,033257618	ENST00000612363	117581	NM_001271893	TWIST2
A_21_P0001551	6,38237	6,33518	1,033250456	N/A	102723542	XR_426728	LOC102723542
A_21_P0007830	1,41153	1,36434	1,033250456	N/A	283463	N/A	MUC19
A_22_P00001174	1,4168	1,36962	1,033243294	N/A	N/A	BX093805	Inc-ANGEL1-2
A_21_P0009059	1,41762	1,37045	1,033236132	N/A	N/A	N/A	Inc-CLEC18B-3
A_33_P6815152	1,53785	1,49068	1,033236132	ENST00000533390	283177	NR_033852	LOC283177
A_33_P3214204	1,5538	1,50664	1,03322897	N/A	286144	AF130048	TRIQQ
A_22_P00016202	1,40705	1,35989	1,03322897	N/A	399806	NR_029380	LBX1-AS1
A_24_P281447	1,71532	1,66816	1,03322897	ENST00000416086	N/A	N/A	N/A
A_22_P00012667	1,40517	1,35802	1,033221808	N/A	N/A	N/A	Inc-PZP-4
A_21_P0005869	6,93517	6,88802	1,033221808	N/A	N/A	N/A	Inc-TMEM64-1
A_21_P0000416	1,39552	1,34838	1,033214647	N/A	767597	NR_003212	SNORD114-19
A_21_P0009219	1,60806	1,56093	1,033207485	N/A	N/A	N/A	Inc-NTN1-4
A_21_P0010474	1,40007	1,35294	1,033207485	N/A	101929416	N/A	LOC101929416



A_21_P0008668	1,59776	1,55063	1,033207485	N/A	102724566	XR_424667	LOC102724566
A_33_P3224702	1,40898	1,36185	1,033207485	ENST00000391611	64430	BC030714	PCNXL4
A_23_P207003	1,59363	1,54651	1,033200323	ENST00000412945	5414	NM_004574	set-04
A_21_P0000804	1,40781	1,36069	1,033200323	N/A	100506783	NR_038435	HOXD-AS2
A_33_P3406806	3,40435	3,35724	1,033193162	ENST00000398470	728318	NM_001190460	KRTAP9-1
A_21_P0012587	1,64877	1,60166	1,033193162	N/A	N/A	N/A	XL0C_I2_010691
A_22_P00009649	1,39819	1,35109	1,033186	ENST00000568270	101929180	XR_242744	LOC101929180
A_33_P3376781	10,4212	10,3741	1,033186	N/A	N/A	N/A	N/A
A_21_P0010258	1,39657	1,34948	1,033178839	N/A	N/A	N/A	Inc-CRYAA-1
A_19_P00318113	1,69598	1,64889	1,033178839	ENST00000503299	N/A	N/A	N/A
A_21_P0008945	1,72118	1,67409	1,033178839	N/A	N/A	N/A	Inc-CHD9-4
A_33_P3210775	1,52766	1,48057	1,033178839	ENST00000550469	93432	AK000645	LOC93432
A_21_P0001569	1,7045	1,65742	1,033171677	N/A	N/A	N/A	Inc-KCND3-1
A_33_P3419586	1,41165	1,36457	1,033171677	ENST00000354924	403278	NM_001005517	OR5K4
A_23_P83012	1,3941	1,34702	1,033171677	ENST00000381641	11172	NM_007179	INSL6
A_22_P00019412	1,62808	1,58101	1,033164516	ENST00000441033	N/A	N/A	N/A
A_21_P0007805	1,74888	1,70181	1,033164516	ENST00000505807	440119	N/A	FZD10-AS1
A_33_P3354589	1,40511	1,35805	1,033157355	ENST00000615418	9560	NM_001291470	CCL4L2
A_24_P751492	1,58735	1,54029	1,033157355	ENST00000423537	392307	NM_001012446	FAM221B
A_21_P0013397	1,58819	1,54113	1,033157355	ENST00000425880	N/A	N/A	N/A
A_21_P0006360	1,40299	1,35594	1,033150193	N/A	N/A	N/A	Inc-C9orf102-1
A_33_P3419910	5,90643	5,85938	1,033150193	N/A	N/A	N/A	N/A
A_22_P00016538	1,4354	1,38836	1,033143032	N/A	N/A	BG190814	Inc-TMX3-1
A_33_P3343967	1,41578	1,36874	1,033143032	N/A	100131373	AY189285	LOC100131373
A_22_P00010097	1,43525	1,38821	1,033143032	ENST00000420766	N/A	N/A	N/A
A_33_P6517036	1,57568	1,52865	1,033135871	ENST00000567109	1012	BG910210	CDH13
A_21_P0004579	1,41187	1,36485	1,03312871	N/A	N/A	N/A	Inc-NUDCD2-6
A_22_P00013856	1,56533	1,51831	1,03312871	N/A	N/A	N/A	Inc-RPL7-2
A_22_P00017442	1,422	1,37499	1,033121549	ENST00000555396	N/A	DB097098	N/A
A_33_P6817309	1,69463	1,64762	1,033121549	N/A	102546299	NR_105065	LOC102546299
A_33_P3503029	1,4589	1,41189	1,033121549	ENST00000358545	8600	NM_033012	TNFSF11
A_21_P0003519	1,40279	1,35579	1,033114388	N/A	N/A	N/A	Inc-GYPE-1
A_21_P0004654	1,51131	1,46432	1,033107227	ENST00000415106	100505985	XR_108661	LOC100505985

A_21_P0012832	1,69489	1,64791	1,033100066	N/A	N/A	N/A	XLOC_I2_011636
A_21_P0010728	1,70151	1,65453	1,033100066	ENST00000579737	2210	NM_001244910	FCGR1B
A_22_P00014043	1,40741	1,36043	1,033100066	ENST00000454466	104355286	NR_126402	LINC01307
A_22_P00000141	1,60395	1,55698	1,033092905	ENST00000515840	100506107	XR_109804	LOC100506107
A_33_P3379886	1,72809	1,68112	1,033092905	ENST00000614010	2247	NM_002006	FGF2
A_33_P3247072	1,44062	1,39366	1,033085744	N/A	N/A	N/A	N/A
A_21_P0008892	1,41111	1,36415	1,033085744	N/A	N/A	N/A	Inc-IL34-3
A_22_P00018841	1,52214	1,47518	1,033085744	N/A	N/A	BG217849	Inc-PLCH1-2
A_21_P0012584	9,5659	9,51894	1,033085744	ENST00000510551	101060498	NR_121640	LOC101060498
A_23_P43690	1,58124	1,53429	1,033078583	ENST00000545497	54796	NM_017637	BNC2
A_21_P0003259	1,55994	1,51299	1,033078583	N/A	N/A	N/A	Inc-SERPINI1-9
A_22_P00009745	1,68072	1,63377	1,033078583	ENST00000542875	100507195	NR_120458	LOC100507195
A_23_P77980	4,47945	4,4325	1,033078583	ENST00000399246	6521	NM_000342	SLC4A1
A_22_P00000465	1,50154	1,4546	1,033071423	N/A	N/A	N/A	Inc-AC091801.1.1-6
A_21_P0014425	1,5914	1,54446	1,033071423	N/A	N/A	CU680219	N/A
A_22_P00003741	1,3993	1,35236	1,033071423	ENST00000568699	N/A	BC045696	N/A
A_21_P0012383	1,47637	1,42944	1,033064262	ENST00000476880	N/A	N/A	N/A
A_22_P00013464	1,6192	1,57227	1,033064262	ENST00000553679	N/A	N/A	N/A
A_21_P0006854	1,45882	1,41191	1,033049941	N/A	N/A	N/A	Inc-C10orf68-4
A_21_P0008339	1,49648	1,44957	1,033049941	N/A	N/A	N/A	Inc-PELI2-1
A_21_P0007421	1,4036	1,35669	1,033049941	N/A	N/A	N/A	Inc-RP11-890B15.2.1-3
A_23_P42884	15,3732	15,3263	1,03304278	ENST00000418740	64951	NM_032014	MRPS24
A_19_P00805651	11,3327	11,2858	1,03304278	N/A	N/A	N/A	N/A
A_21_P0002328	1,43385	1,38695	1,03304278	N/A	N/A	N/A	Inc-ZNF804A-1
A_22_P00007851	1,40514	1,35824	1,03304278	ENST00000583558	729950	NR_040033	LOC729950
A_33_P3262440	2,94127	2,89437	1,03304278	N/A	N/A	N/A	N/A
A_22_P00019644	1,58779	1,54089	1,03304278	N/A	100874094	NR_046658	ZNF197-AS1
A_33_P3336449	2,08865	2,04175	1,03304278	N/A	N/A	N/A	Inc-CIB4-1
A_24_P15388	1,58477	1,53787	1,03304278	ENST00000424969	N/A	XM_006710246	N/A
A_22_P00008339	1,51588	1,46899	1,03303562	N/A	101928554	XR_242926	LOC101928554
A_22_P00009915	1,61274	1,56585	1,03303562	ENST00000414581	N/A	N/A	N/A
A_33_P3329737	1,69897	1,65208	1,03303562	ENST00000390393	N/A	AB305972	N/A
A_19_P00321986	1,49047	1,44358	1,03303562	N/A	101929452	N/A	LOC101929452

A_21_P0002765	1,69387	1,64698	1,03303562	ENST00000482766	N/A	N/A	N/A
A_21_P0001137	1,44058	1,39371	1,033021299	ENST00000436225	729467	N/A	HSD52
A_33_P3275381	6,74028	6,69342	1,033014139	ENST00000433024	79884	NM_001039580	MAP9
A_22_P00022034	1,63935	1,59249	1,033014139	N/A	N/A	N/A	lnc-NUB1-2
A_33_P3851346	1,51417	1,46731	1,033014139	N/A	283761	NR_027074	LINC00928
A_21_P0003740	1,41483	1,36798	1,033006978	N/A	101410542	N/A	UCHL1-AS1
A_22_P00000237	1,45179	1,40495	1,032999818	N/A	N/A	BX538274	lnc-AC006035.2-3
A_22_P00003812	1,39705	1,35021	1,032999818	ENST00000567082	N/A	AK026722	N/A
A_33_P3261418	1,70997	1,66314	1,032992658	N/A	8913	AB012043	CACNA1G
A_21_P0006799	4,32819	4,28137	1,032985498	N/A	N/A	N/A	lnc-CTBP2-2
A_22_P00019265	1,68449	1,63767	1,032985498	ENST00000523150	N/A	DA245781	N/A
A_23_P87791	1,59132	1,54451	1,032978338	ENST00000538526	32	NM_001093	ACACB
A_21_P0004205	1,55819	1,51138	1,032978338	N/A	N/A	N/A	lnc-C5orf38-1
A_22_P00020600	1,54879	1,50198	1,032978338	N/A	N/A	N/A	lnc-TTC34-4
A_21_P0011406	12,1397	12,0929	1,032971178	ENST00000560059	N/A	N/A	N/A
A_24_P873414	12,5097	12,4629	1,032971178	ENST00000403716	55041	NM_001267062	PLEKHB2
A_21_P0001594	1,47131	1,42452	1,032964018	N/A	N/A	N/A	lnc-LMX1A-3
A_21_P0001473	1,41631	1,36952	1,032964018	N/A	N/A	N/A	lnc-RCC2-2
A_21_P0001063	1,46768	1,42089	1,032964018	ENST00000420347	N/A	N/A	N/A
A_21_P0002521	1,59798	1,5512	1,032956858	N/A	339751	NR_033882	MLK7-AS1
A_23_P6223	8,38725	8,34047	1,032956858	ENST00000434667	57466	NM_020706	SCAF4
A_22_P00012851	4,57003	4,52326	1,032949698	ENST00000514050	N/A	XM_005263390	N/A
A_21_P0006266	1,45003	1,40326	1,032949698	N/A	N/A	N/A	lnc-SHB-1
A_24_P359091	1,61937	1,5726	1,032949698	ENST00000592873	N/A	AK094938	N/A
A_21_P0002714	1,4187	1,37193	1,032949698	ENST00000421598	100132677	NR_038866	BSN-AS2
A_22_P00013419	2,83188	2,78511	1,032949698	ENST00000558244	283688	NR_033833	LINC00927
A_33_P3442301	1,46058	1,41381	1,032949698	N/A	100271836	BG250912	SMG1P3
A_21_P0002470	1,69281	1,64605	1,032942538	N/A	N/A	N/A	lnc-POLR1A-1
A_21_P0007818	1,39273	1,34597	1,032942538	N/A	102723921	XR_424312	LOC102723921
A_32_P705474	1,42275	1,376	1,032935378	ENST00000607368	100507530	NR_125386	LOC100507530
A_21_P0007636	1,73346	1,68672	1,032928218	N/A	N/A	N/A	lnc-MAP1LC3B2-6
A_22_P00007885	1,49385	1,44711	1,032928218	ENST00000563841	N/A	N/A	N/A
A_33_P3396477	1,5791	1,53236	1,032928218	N/A	N/A	N/A	N/A

A_23_P160262	1,41429	1,36756	1,032921059	ENST00000371129	27329	NM_014495	ANGPTL3
A_21_P0013045	1,57624	1,52951	1,032921059	N/A	102724087	N/A	LOC102724087
A_22_P00025319	1,62464	1,57793	1,032906739	N/A	N/A	N/A	Inc-CCND2-1
A_33_P3269631	4,84561	4,7989	1,032906739	ENST00000495900	254827	BQ890675	NAALADL2
A_21_P0013203	1,43042	1,38372	1,03289958	ENST00000452234	N/A	XR_428191	N/A
A_21_P0002203	1,55084	1,50415	1,03289242	N/A	N/A	N/A	Inc-PKDC-1
A_33_P3255070	1,58843	1,54175	1,032885261	N/A	N/A	N/A	N/A
A_33_P3362291	1,50357	1,45691	1,032870942	N/A	379034	XR_242417	LINC01181
A_24_P372223	1,55366	1,507	1,032870942	ENST00000350896	4481	NM_138715	MSR1
A_21_P0009765	1,42742	1,38076	1,032870942	N/A	N/A	N/A	Inc-ZNF792-2
A_21_P0007748	1,52337	1,47671	1,032870942	N/A	N/A	N/A	Inc-ARL1-2
A_21_P0014191	1,41223	1,36558	1,032863783	N/A	N/A	BF188822	Inc-C7orf33-1
A_22_P00018557	1,39567	1,34902	1,032863783	ENST00000510059	N/A	N/A	N/A
A_32_P231568	8,74983	8,70318	1,032863783	ENST00000376447	158158	NM_152573	RASEF
A_33_P3392142	1,43819	1,39155	1,032856624	ENST00000468877	6718	AK058142	AKR1D1
A_24_P93948	1,39425	1,34761	1,032856624	ENST00000455537	3798	AB210045	KIF5A
A_22_P00006304	1,58486	1,53822	1,032856624	ENST00000523525	N/A	N/A	N/A
A_21_P0009127	1,48585	1,43922	1,032849465	N/A	N/A	N/A	Inc-CDH11-1
A_21_P0011157	1,55227	1,50564	1,032849465	N/A	N/A	N/A	XLOC_I2_003840
A_32_P150030	7,90257	7,85594	1,032849465	ENST00000392995	8493	NM_003620	PPM1D
A_22_P00006852	1,7667	1,72008	1,032842305	N/A	N/A	N/A	Inc-GALC-1
A_33_P3393689	1,62104	1,57442	1,032842305	N/A	N/A	N/A	N/A
A_22_P00021776	1,39295	1,34633	1,032842305	N/A	101927987	NR_110289	LOC101927987
A_21_P0007385	1,43201	1,3854	1,032835146	N/A	N/A	N/A	Inc-FAM76B-2
A_23_P204304	1,50657	1,45996	1,032835146	ENST00000281171	5800	NM_030667	PTPRO
A_22_P00020432	1,64587	1,59927	1,032827987	N/A	N/A	N/A	Inc-CLIC5-2
A_23_P254852	10,0733	10,0267	1,032827987	ENST00000272371	9381	NM_194248	OTOF
A_22_P00010185	1,83225	1,78565	1,032827987	ENST00000510987	N/A	N/A	N/A
A_22_P00010916	1,43065	1,38406	1,032820828	N/A	101928052	NR_125888	LOC101928052
A_21_P0004590	1,42462	1,37803	1,032820828	N/A	221718	N/A	LINC00518
A_33_P3212052	1,39667	1,35009	1,032813669	N/A	N/A	N/A	N/A
A_21_P0011998	1,46364	1,41706	1,032813669	N/A	N/A	N/A	XLOC_I2_007186
A_21_P0011916	1,39906	1,35249	1,03280651	N/A	N/A	N/A	XLOC_I2_008014

A_23_P254025	1,50969	1,46312	1,03280651	ENST00000555206	7539	NM_003408	ZFP37
A_22_P00022240	1,59344	1,54688	1,032799352	ENST00000446354	N/A	N/A	N/A
A_21_P0001434	1,69018	1,64362	1,032799352	N/A	N/A	N/A	Inc-GALNT2-1
A_21_P0005747	1,42978	1,38323	1,032792193	ENST00000523572	N/A	N/A	N/A
A_21_P0007856	4,41483	4,3683	1,032777875	N/A	N/A	N/A	Inc-ZNF664-2
A_22_P00003961	1,68987	1,64334	1,032777875	N/A	101929415	NR_125813	LOC101929415
A_32_P888644	1,68865	1,64212	1,032777875	N/A	153163	NR_051996	MGC32805
A_33_P3311830	1,41706	1,37054	1,032770717	ENST00000246081	56914	NM_020157	OTOR
A_23_P323102	1,4739	1,42738	1,032770717	ENST00000378122	9752	NM_014005	PCDHA9
A_22_P00014177	1,39604	1,34953	1,032763558	N/A	N/A	N/A	Inc-SDF2-1
A_33_P3323904	1,54985	1,50334	1,032763558	N/A	150786	NM_001077637	WTH3DI
A_21_P0012788	1,69807	1,65156	1,032763558	ENST00000508414	N/A	N/A	N/A
A_23_P153383	16,5802	16,5337	1,0327564	ENST00000577222	25873	NM_015414	RPL36
A_22_P00011511	1,60789	1,56139	1,0327564	N/A	N/A	N/A	Inc-PAX6-1
A_23_P66967	1,64641	1,59991	1,0327564	ENST00000327228	1068	U03270	CETN1
A_21_P0013396	1,66537	1,61889	1,032742083	ENST00000413734	4624	NM_002471	MYH6
A_21_P0001805	1,45402	1,40754	1,032742083	ENST00000430529	N/A	N/A	N/A
A_21_P0007759	1,56486	1,51838	1,032742083	N/A	N/A	N/A	Inc-MYL2-2
A_22_P00015304	1,66553	1,61905	1,032742083	ENST00000513133	N/A	N/A	N/A
A_21_P0008947	1,64112	1,59465	1,032734924	N/A	N/A	N/A	Inc-CHD9-3
A_22_P00015301	1,58445	1,53798	1,032734924	N/A	N/A	XR_132956	Inc-SPI1-1
A_22_P00022468	1,42111	1,37466	1,032720608	N/A	347731	XR_246122	LRRTM3
A_22_P00003444	1,75311	1,70666	1,032720608	ENST00000549532	N/A	N/A	N/A
A_21_P0011507	1,68254	1,63609	1,032720608	N/A	N/A	N/A	XLOC_I2_005602
A_21_P0005550	1,63054	1,5841	1,032713449	N/A	N/A	N/A	Inc-MAFK-2
A_23_P164773	1,41682	1,37039	1,032706291	ENST00000597934	2208	NM_002002	FCER2
A_22_P00000110	1,53969	1,49326	1,032706291	N/A	100885789	NR_104124	IFNG-AS1
A_33_P3221916	1,63544	1,58901	1,032706291	N/A	N/A	N/A	N/A
A_33_P3397755	8,94215	8,89572	1,032706291	ENST00000448439	79109	NM_001006618	MAPKAP1
A_21_P0012586	1,51408	1,46766	1,032699133	N/A	N/A	N/A	XLOC_I2_010687
A_22_P00023484	1,51107	1,46465	1,032699133	N/A	101928834	NR_120646	LOC101928834
A_33_P3292814	6,88646	6,84005	1,032691975	N/A	N/A	CR747917	N/A
A_22_P00003556	1,39265	1,34624	1,032691975	N/A	641364	NR_038380	SLC7A11-AS1

A_33_P3409765	1,60648	1,56008	1,032684817	N/A	8972	XM_006716168	MGAM
A_23_P2322	1,7122	1,6658	1,032684817	ENST00000532498	144448	NM_001100917	TSPAN19
A_22_P00008875	1,39366	1,34726	1,032684817	N/A	N/A	N/A	Inc-KLHL25-11
A_23_P82567	1,69711	1,65071	1,032684817	ENST00000552471	136541	NM_001001317	PRSS58
A_24_P100551	10,5957	10,5493	1,032684817	ENST00000284637	57630	NM_020870	SH3RF1
A_21_P0001269	1,41343	1,36704	1,032677659	N/A	N/A	N/A	Inc-UBXN10-1
A_33_P3383950	1,40167	1,35529	1,032670501	N/A	441369	N/A	FLJ46284
A_22_P00001131	1,51232	1,46594	1,032670501	N/A	N/A	N/A	Inc-ALX4-5
A_22_P00024763	1,54478	1,4984	1,032670501	N/A	N/A	N/A	Inc-UMODL1-3
A_23_P87727	1,71776	1,67138	1,032670501	ENST00000317658	93661	NM_033328	CAPZA3
A_22_P00010194	1,63407	1,58769	1,032670501	ENST00000427022	N/A	N/A	N/A
A_22_P00019923	1,56842	1,52205	1,032663343	ENST00000440495	N/A	N/A	N/A
A_22_P00003834	1,54756	1,50119	1,032663343	ENST00000561719	101928276	NR_104666	LINC01227
A_21_P0003143	1,45698	1,41061	1,032663343	N/A	101929514	XR_241534	LOC101929514
A_23_P319466	1,65137	1,605	1,032663343	ENST00000282018	57105	NM_020377	CYSLTR2
A_33_P3210857	1,49847	1,45211	1,032656185	ENST00000605542	N/A	N/A	N/A
A_22_P00003256	1,61605	1,56969	1,032656185	N/A	N/A	N/A	Inc-CALCOCO2-6
A_21_P0003891	1,41546	1,3691	1,032656185	N/A	101929048	XR_241687	LOC101929048
A_21_P0012467	1,56535	1,51899	1,032656185	ENST00000488287	647107	NR_033945	LINC01192
A_24_P269432	9,74611	9,69976	1,032649027	ENST00000222547	10282	NM_005868	BET1
A_22_P00018435	1,41972	1,37337	1,032649027	ENST00000539583	101928471	NR_120472	LOC101928471
A_33_P3209130	1,67829	1,63194	1,032649027	N/A	100128496	CR738909	C20orf78
A_22_P00021795	1,40557	1,35922	1,032649027	N/A	100873935	NR_046600	MTOR-AS1
A_21_P0006065	1,41664	1,37029	1,032649027	ENST00000438147	N/A	N/A	N/A
A_33_P3345808	1,41758	1,37124	1,03264187	N/A	N/A	N/A	N/A
A_33_P3376021	1,40418	1,35784	1,03264187	N/A	N/A	N/A	N/A
A_33_P3275973	1,55761	1,51127	1,03264187	ENST00000602934	100422737	N/A	LOC100422737
A_21_P0009525	1,45744	1,41111	1,032634712	N/A	N/A	N/A	Inc-PIEZO2-5
A_21_P0006950	1,42004	1,37371	1,032634712	N/A	N/A	N/A	Inc-PITRM1-4
A_22_P00003734	1,70969	1,66336	1,032634712	ENST00000415422	N/A	N/A	N/A
A_21_P0008609	1,41815	1,37182	1,032634712	N/A	N/A	N/A	Inc-C15orf41-6
A_23_P82651	1,50533	1,459	1,032634712	ENST00000265634	4885	NM_002523	NPTX2
A_21_P0007427	1,46335	1,41703	1,032627554	N/A	N/A	N/A	Inc-TEAD1-1

A_33_P3299590	8,09975	8,05343	1,032627554	ENST00000423692	51593	NM_001128854	SRRT
A_22_P00001475	1,54827	1,50196	1,032620397	ENST00000512581	101928622	N/A	LOC101928622
A_33_P3340732	1,41868	1,37237	1,032620397	ENST00000620181	2515	NM_001278113	ADAM2
A_21_P0013141	1,58493	1,53862	1,032620397	ENST00000448991	N/A	N/A	N/A
A_33_P3319937	14,3335	14,2872	1,032613239	N/A	N/A	N/A	N/A
A_33_P3230249	1,76213	1,71584	1,032606082	ENST00000523387	64478	AK126936	CSMD1
A_21_P0009570	1,59066	1,54437	1,032606082	ENST00000583756	102724913	N/A	LOC102724913
A_33_P3248638	1,39793	1,35164	1,032606082	ENST00000375851	286223	NM_001001938	C9orf47
A_21_P0007245	1,71479	1,6685	1,032606082	N/A	N/A	N/A	Inc-USP35-10
A_33_P3389852	4,60815	4,56186	1,032606082	ENST00000590352	54828	NM_017679	BCAS3
A_33_P3216758	1,39989	1,35362	1,032591767	ENST00000587331	388551	NM_001039213	CEACAM16
A_21_P0002533	1,76242	1,71615	1,032591767	N/A	N/A	N/A	Inc-SUMO1-3
A_23_P16798	5,28211	5,23585	1,032584609	ENST00000465360	375189	XM_005264292	PFN4
A_21_P0001379	1,48175	1,43549	1,032584609	N/A	N/A	N/A	Inc-PCP4L1-1
A_21_P0005560	1,61337	1,56712	1,032577452	N/A	N/A	N/A	Inc-ABCA13-2
A_22_P00025826	1,53253	1,48629	1,032570295	N/A	N/A	N/A	Inc-UTS2-3
A_21_P0008439	1,68333	1,63709	1,032570295	N/A	N/A	N/A	Inc-FERMT2-1
A_33_P3393751	1,70893	1,66269	1,032570295	N/A	102725150	XR_431928	LOC102725150
A_22_P00010618	1,42478	1,37855	1,032563138	N/A	101929056	XR_241724	LOC101929056
A_22_P00002883	1,39097	1,34474	1,032563138	ENST00000506068	N/A	N/A	N/A
A_21_P0004518	1,52953	1,4833	1,032563138	N/A	N/A	N/A	Inc-RASA1-3
A_32_P127350	1,87237	1,82615	1,03255598	ENST00000511014	645323	NR_024384	LINC00461
A_21_P0005765	1,59624	1,55002	1,03255598	ENST00000606279	N/A	N/A	N/A
A_33_P3295096	1,39622	1,35001	1,032548823	N/A	100129703	AF210649	NAG20
A_23_P201567	9,37006	9,32386	1,032541666	ENST00000370021	55119	NM_018061	PRPF38B
A_33_P3382709	10,158	10,1118	1,032541666	ENST00000308330	23592	NM_014319	LEMD3
A_21_P0005555	1,76271	1,71652	1,032534509	ENST00000430518	100506725	NR_108082	LOC100506725
A_33_P3342056	1,56225	1,51606	1,032534509	ENST00000383671	201633	NM_173799	TIGIT
A_23_P408249	1,71702	1,67083	1,032534509	ENST00000467047	5105	NM_002591	PCK1
A_23_P7503	1,55053	1,50436	1,032520195	ENST00000274532	91937	NM_138379	TIMD4
A_22_P00010406	1,48606	1,43992	1,032498725	N/A	100506677	NR_037584	AA06
A_22_P00021318	1,40057	1,35444	1,032491568	N/A	100874251	NR_046986	KIRREL3-AS2
A_22_P00002063	1,57685	1,53072	1,032491568	N/A	N/A	N/A	Inc-BLID-1

A_22_P00010481	1,61319	1,56706	1,032491568	N/A	N/A	DB054064	Inc-NAT9-1
A_32_P55871	1,49104	1,44491	1,032491568	ENST00000273390	89876	NM_033364	MAATS1
A_21_P0001398	1,42349	1,37736	1,032491568	N/A	N/A	N/A	Inc-C1orf21-1
A_21_P0011930	1,40735	1,36122	1,032491568	ENST00000624935	N/A	N/A	N/A
A_21_P0008275	1,72536	1,67924	1,032484412	ENST00000556913	100506446	N/A	LOC100506446
A_22_P00011157	1,69709	1,65099	1,032470098	ENST00000606314	64002	NR_002769	PCGEM1
A_22_P00001871	1,59169	1,54559	1,032470098	ENST00000551729	N/A	N/A	N/A
A_21_P0009296	1,44609	1,4	1,032462942	N/A	N/A	N/A	Inc-MYH13-1
A_21_P0008425	1,70576	1,65967	1,032462942	N/A	N/A	N/A	Inc-FSCB-1
A_33_P3218435	1,48268	1,4366	1,032455785	N/A	N/A	DB073168	Inc-KCNMB1-2
A_21_P0001135	1,391	1,34492	1,032455785	ENST00000451090	N/A	N/A	N/A
A_22_P00000566	1,58602	1,53994	1,032455785	ENST00000401641	285095	XR_430644	LOC285095
A_23_P129916	1,60883	1,56276	1,032448629	ENST00000330255	201140	NM_001220493	DHRS7C
A_33_P3253394	1,39581	1,34975	1,032441473	ENST00000611304	3903	NM_002287	LAIR1
A_21_P0010392	1,58149	1,53544	1,032434316	N/A	N/A	N/A	Inc-AC007663.1-5
A_21_P0009478	1,71723	1,67118	1,032434316	N/A	N/A	N/A	Inc-DCC-2
A_33_P3322328	10,0328	9,98676	1,03242716	ENST00000371733	2060	NM_001981	EPS15
A_33_P6474740	1,59091	1,54487	1,03242716	ENST00000422494	101929685	NR_109883	LINC01384
A_33_P3227360	1,4643	1,41826	1,03242716	ENST00000409492	1745	AK308842	DLX1
A_22_P00001492	1,39413	1,3481	1,032420004	ENST00000425021	284749	N/A	LINC00494
A_33_P3240722	1,67864	1,63262	1,032412848	ENST00000425654	22866	NM_014927	CNKS2
A_21_P0004893	1,66563	1,61961	1,032412848	N/A	N/A	N/A	Inc-PHF3-4
A_32_P15958	1,5601	1,51408	1,032412848	ENST00000412906	150142	NR_119384	ZNF295-AS1
A_21_P0006045	1,55364	1,50763	1,032405692	ENST00000450938	101928797	N/A	LOC101928797
A_23_P82913	10,2125	10,1665	1,032398535	ENST00000522518	55039	NM_017956	TRMT12
A_22_P00007777	1,49483	1,44883	1,032398535	N/A	N/A	N/A	Inc-HNRNPA2B1-3
A_21_P0006953	1,51083	1,46483	1,032398535	N/A	N/A	N/A	Inc-KLF6-5
A_21_P0010567	1,57157	1,52557	1,032398535	N/A	102724661	N/A	LOC102724661
A_23_P127195	10,0712	10,0252	1,032398535	ENST00000378572	8559	NM_003675	PRPF18
A_21_P0001270	1,55817	1,51218	1,032391379	N/A	N/A	N/A	Inc-CDC42-1
A_22_P00022920	1,88767	1,84168	1,032391379	N/A	N/A	CF129424	Inc-HBEGF-2
A_21_P0014910	1,5903	1,54433	1,032377068	ENST00000524629	N/A	XR_132961	N/A
A_23_P83184	1,5165	1,47053	1,032377068	ENST00000341206	158062	NM_198946	LCN6



A_33_P3212799	1,54632	1,50036	1,032369912	ENST00000400023	348645	AK126430	C22orf34
A_22_P00016012	1,51043	1,46448	1,032362756	N/A	N/A	N/A	Inc-TFDP2-2
A_21_P0005054	1,6482	1,60225	1,032362756	N/A	N/A	N/A	Inc-ZUFSP-1
A_33_P3412055	2,10126	2,05531	1,032362756	ENST00000586929	147948	NM_144690	ZNF582
A_21_P0010852	1,55736	1,51142	1,0323556	N/A	N/A	N/A	XLOC_I2_001826
A_21_P0007018	1,728	1,68206	1,0323556	N/A	N/A	N/A	Inc-NRAP-2
A_21_P0010058	1,57885	1,53292	1,032348444	N/A	N/A	N/A	Inc-NFATC2-1
A_21_P0009263	1,69431	1,64838	1,032348444	ENST00000478379	146771	N/A	TCAM1P
A_22_P00023678	1,56509	1,51916	1,032348444	ENST00000580422	N/A	N/A	N/A
A_33_P3310327	1,5816	1,53567	1,032348444	N/A	N/A	N/A	N/A
A_21_P0014140	1,60911	1,56319	1,032341289	N/A	N/A	N/A	N/A
A_23_P503064	1,43498	1,38907	1,032334133	ENST00000380099	9365	NM_004795	KL
A_21_P0006704	1,55045	1,50454	1,032334133	ENST00000416249	N/A	N/A	N/A
A_22_P00013383	1,49829	1,45238	1,032334133	ENST00000577258	N/A	N/A	N/A
A_33_P3825317	1,56854	1,52264	1,032326978	ENST00000535113	646851	NM_001291030	FAM227A
A_33_P3372189	15,6048	15,5589	1,032326978	N/A	N/A	BC029410	N/A
A_33_P3285764	1,50198	1,45609	1,032319822	N/A	N/A	N/A	N/A
A_21_P0002209	1,5874	1,54152	1,032312667	ENST00000449601	101805491	NR_103805	LOC101805491
A_24_P331675	1,44517	1,3993	1,032305511	ENST00000620562	10665	NM_006781	C6orf10
A_21_P0001435	1,59317	1,54731	1,032298356	N/A	N/A	N/A	Inc-C1orf124-3
A_24_P82032	1,5046	1,45874	1,032298356	ENST00000316754	57381	NM_020663	RHOJ
A_21_P0004344	1,39142	1,34557	1,0322912	ENST00000522256	3187	N/A	HNRNPH1
A_21_P0002263	1,70206	1,65622	1,032284045	ENST00000429464	150568	N/A	LINC01102
A_22_P00025710	1,39043	1,34459	1,032284045	ENST00000424980	102723932	N/A	LOC102723932
A_21_P0010312	1,38975	1,34392	1,03227689	N/A	N/A	N/A	Inc-WRB-2
A_24_P272451	1,51039	1,46456	1,03227689	ENST00000571800	388325	XM_005256631	SCIMP
A_22_P00018589	1,63781	1,59198	1,03227689	N/A	N/A	N/A	Inc-FSIP2-1
A_21_P0014489	1,46966	1,42384	1,032269735	N/A	N/A	N/A	Inc-MAT2B-3
A_23_P256572	1,63522	1,5894	1,032269735	ENST00000371175	6005	NM_000324	RHAG
A_33_P3310572	1,69454	1,64873	1,03226258	ENST00000507870	285501	NR_028342	LINC01098
A_22_P00017380	1,5006	1,45479	1,03226258	ENST00000423727	N/A	N/A	N/A
A_22_P00012534	1,39455	1,34874	1,03226258	ENST00000526458	494558	NR_038833	C9orf135-AS1
A_21_P0014755	1,49169	1,44588	1,03226258	N/A	N/A	N/A	N/A

A_33_P3226142	1,58214	1,53634	1,032255425	ENST00000323223	N/A	AK097487	N/A
A_24_P379104	8,6424	8,59661	1,03224827	ENST00000376509	11040	NM_006875	PIM2
A_24_P230563	1,55473	1,50894	1,03224827	ENST00000447847	3559	NM_000417	IL2RA
A_22_P00000654	1,44004	1,39425	1,03224827	ENST00000502647	N/A	N/A	N/A
A_33_P3335825	1,53429	1,4885	1,03224827	ENST00000483685	84812	AY512961	PLCD4
A_33_P3303594	1,39796	1,35217	1,03224827	ENST00000614839	440560	NM_001146344	PRAMEF11
A_21_P0010851	1,65364	1,60787	1,03223396	N/A	N/A	N/A	XLOC_I2_001826
A_33_P3289621	1,69185	1,64609	1,032226805	ENST00000499809	283143	AK090602	LINC00900
A_21_P0002164	1,69955	1,65379	1,032226805	N/A	N/A	N/A	Inc-IAH1-2
A_21_P0007395	1,476	1,43024	1,032226805	N/A	N/A	N/A	Inc-NPAT-1
A_24_P11100	1,55975	1,51399	1,032226805	ENST00000458570	84460	NM_001282400	ZMAT1
A_33_P3399480	1,60932	1,56357	1,03221965	N/A	101928307	XR_250014	LOC101928307
A_19_P00800522	1,51603	1,47028	1,03221965	N/A	N/A	N/A	Inc-VWA5A-1
A_21_P0013394	1,65283	1,60708	1,03221965	ENST00000438538	102723946	N/A	LOC102723946
A_33_P3383601	1,39079	1,34505	1,032212495	ENST00000343079	347148	NM_198180	QRFP
A_23_P302038	2,09668	2,05095	1,03220534	ENST00000281321	5458	NM_004575	POU4F2
A_22_P00016745	1,50422	1,45849	1,03220534	ENST00000522815	N/A	N/A	N/A
A_33_P3229417	1,44299	1,39727	1,032198186	ENST00000602794	10718	NM_001010848	NRG3
A_33_P3320808	1,55643	1,51071	1,032198186	ENST00000436115	374291	XR_430138	NDUFS7
A_33_P3292018	1,59702	1,55131	1,032191031	ENST00000608504	N/A	N/A	N/A
A_33_P3579391	1,39505	1,34934	1,032191031	N/A	677843	DB361496	SNORA77
A_22_P00004666	1,68137	1,63567	1,032183877	N/A	N/A	AK130909	Inc-CTD-2054N24.2.1-3
A_21_P0005723	1,51004	1,46434	1,032183877	N/A	N/A	N/A	Inc-LY96-2
A_22_P00010945	1,54183	1,49613	1,032183877	ENST00000340585	N/A	N/A	N/A
A_23_P328145	1,64385	1,59815	1,032183877	ENST00000534174	161142	NM_173526	FAM71D
A_21_P0005964	1,3918	1,3461	1,032183877	N/A	N/A	N/A	Inc-ZMAT4-3
A_21_P0009015	2,69329	2,64759	1,032183877	ENST00000572479	N/A	N/A	N/A
A_23_P417918	1,52129	1,47559	1,032183877	ENST00000523274	5179	NM_006211	PENK
A_33_P3601202	1,65987	1,61417	1,032183877	N/A	3453	NR_036676	IFNA22P
A_23_P131417	12,5497	12,504	1,032183877	ENST00000310931	3069	NM_005336	HDLBP
A_22_P00012075	1,43242	1,38673	1,032176722	ENST00000563347	N/A	AI440153	N/A
A_21_P0011266	6,12005	6,07436	1,032176722	ENST00000553932	283547	N/A	LINC00639
A_22_P00011828	1,6414	1,59572	1,032169568	ENST00000530941	N/A	N/A	N/A

A_22_P00017901	1,69127	1,64559	1,032169568	ENST00000548029	N/A	BX097731	N/A
A_21_P0008497	1,40923	1,36355	1,032169568	N/A	N/A	N/A	Inc-RP11-736N17.6.1-2
A_21_P0007099	1,56146	1,51579	1,032162413	N/A	N/A	N/A	Inc-KIAA1462-1
A_33_P3316621	1,42556	1,37989	1,032162413	ENST00000282701	651	NM_001201	BMP3
A_22_P00004360	1,54702	1,50135	1,032162413	ENST00000546804	N/A	DB048950	N/A
A_33_P3242578	1,60689	1,56123	1,032155259	ENST00000380722	100506731	XR_110231	LOC100506731
A_23_P354151	1,52175	1,47609	1,032155259	ENST00000519402	3702	NM_005546	ITK
A_33_P3381796	4,91917	4,87352	1,032148104	N/A	N/A	N/A	N/A
A_21_P0010128	1,6456	1,59995	1,032148104	N/A	N/A	N/A	Inc-PPP1R3D-3
A_23_P323243	1,51254	1,46689	1,032148104	ENST00000610273	154197	NM_173516	PNLDC1
A_22_P00019025	1,75283	1,70719	1,03214095	ENST00000564593	100861553	XR_243052	LINC00560
A_21_P0006935	1,54231	1,49668	1,032133796	N/A	N/A	N/A	Inc-MGMT-3
A_21_P0001774	1,55242	1,50679	1,032133796	N/A	N/A	N/A	Inc-ACTR2-3
A_23_P58169	1,39328	1,34766	1,032126642	ENST00000329476	4887	NM_000910	NPY2R
A_21_P0006132	1,52364	1,47802	1,032126642	N/A	N/A	N/A	Inc-IFT74-4
A_21_P0006111	1,59746	1,55184	1,032126642	ENST00000436510	N/A	N/A	N/A
A_23_P371861	1,45801	1,4124	1,032119488	ENST00000620844	168975	NM_173538	CNBD1
A_33_P3382860	1,43502	1,38941	1,032119488	ENST00000587250	8153	NM_005440	RND2
A_21_P0006515	1,58807	1,54246	1,032119488	N/A	100506757	NR_038998	LINC00629
A_33_P3335915	1,51861	1,473	1,032119488	ENST00000367253	23345	AL713682	SYNE1
A_21_P0001661	1,56874	1,52314	1,032112334	N/A	102724429	XR_425225	LOC102724429
A_21_P0005881	1,50019	1,45459	1,032112334	N/A	N/A	N/A	Inc-SLC25A32-3
A_21_P0013811	1,53871	1,49311	1,032112334	N/A	N/A	N/A	XLOC_I2_015703
A_33_P3322654	14,4379	14,3923	1,032112334	ENST00000481757	57140	NM_018226	RNPEPL1
A_33_P3745146	1,42949	1,3839	1,032105179	ENST00000541434	23705	NM_001098517	CADM1
A_21_P0003088	4,12019	4,0746	1,032105179	N/A	N/A	N/A	Inc-AC069257.9.1-6
A_22_P00008676	1,51416	1,46858	1,032098025	N/A	N/A	N/A	Inc-KIAA0895-1
A_33_P3233060	1,55543	1,50985	1,032098025	ENST00000623993	N/A	AF130057	N/A
A_32_P209960	1,54498	1,49941	1,032090872	ENST00000618327	4261	NM_000246	CIITA
A_21_P0009129	1,55979	1,51422	1,032090872	N/A	101927676	XR_243460	LOC101927676
A_33_P3221114	1,50746	1,4619	1,032083718	ENST00000409831	152789	NM_144720	JAKMIP1
A_22_P00004597	1,50855	1,46299	1,032083718	ENST00000519393	N/A	DA782209	N/A
A_22_P00001098	1,42576	1,38021	1,032076564	N/A	N/A	N/A	Inc-ALG14-2

A_33_P3285132	1,51532	1,46977	1,032076564	ENST00000329285	148103	NM_001007248	ZNF599
A_22_P00008804	1,61325	1,56771	1,03206941	N/A	N/A	N/A	Inc-KL-1
A_21_P0002369	1,52088	1,47534	1,03206941	N/A	N/A	N/A	Inc-SP140-3
A_22_P00018745	1,52635	1,48081	1,03206941	ENST00000521139	N/A	BF305512	N/A
A_33_P3317453	1,43785	1,39232	1,032062256	N/A	N/A	N/A	N/A
A_21_P0013588	1,52353	1,478	1,032062256	N/A	N/A	N/A	XLOC_I2_014836
A_21_P0000974	1,44101	1,39548	1,032062256	N/A	N/A	N/A	Inc-LRRC42-1
A_33_P3250566	1,70349	1,65797	1,032055103	ENST00000390443	N/A	D13070	N/A
A_33_P3264533	1,56706	1,52154	1,032055103	N/A	N/A	N/A	N/A
A_33_P3298102	1,40746	1,36194	1,032055103	ENST00000560007	N/A	N/A	N/A
A_21_P0011891	1,54375	1,49823	1,032055103	N/A	N/A	N/A	XLOC_I2_007834
A_33_P3213179	1,51677	1,47126	1,032047949	ENST00000284601	5506	NM_002711	PPP1R3A
A_33_P3254161	1,62971	1,58421	1,032040795	N/A	N/A	N/A	N/A
A_33_P3360249	1,56488	1,51938	1,032040795	ENST00000373705	3061	NM_001525	HCRTR1
A_22_P00007750	1,70406	1,65856	1,032040795	N/A	N/A	N/A	Inc-HMGB2-2
A_33_P3256997	1,59511	1,54961	1,032040795	ENST00000398984	643680	XM_005274415	MS4A4E
A_21_P0009505	1,49868	1,45318	1,032040795	N/A	N/A	N/A	Inc-RP11-17M16.1.1-2
A_24_P221366	17,5631	17,5176	1,032040795	ENST00000565420	6210	NM_001019	RPS15A
A_33_P3239037	1,48678	1,4413	1,032026488	ENST00000374801	414319	NR_103830	LINC00587
A_33_P3326271	1,75922	1,71374	1,032026488	ENST00000542196	392376	NM_001004481	OR13C2
A_22_P00011745	1,5902	1,54473	1,032019335	ENST00000446979	151171	NR_037809	LINC01107
A_21_P0004188	1,69486	1,64939	1,032019335	ENST00000509568	N/A	N/A	N/A
A_33_P3223687	1,5303	1,48483	1,032019335	ENST00000399653	492307	NM_001007176	C8orf22
A_21_P0005376	1,52208	1,47662	1,032012182	ENST00000416708	N/A	XR_426177	N/A
A_33_P3417840	1,54177	1,49632	1,032005028	ENST00000358463	388289	NM_207385	C16orf47
A_33_P3284621	1,63887	1,59342	1,032005028	ENST00000367922	4921	N/A	DDR2
A_21_P0000170	1,46868	1,42324	1,031997875	ENST00000517349	100507341	NM_001206847	SMIM18
A_22_P00006270	1,5206	1,47516	1,031997875	N/A	N/A	N/A	Inc-FAM71B-1
A_23_P213893	1,68698	1,64154	1,031997875	ENST00000274473	84466	NM_032446	MEGF10
A_22_P00004503	1,6503	1,60486	1,031997875	ENST00000548266	N/A	N/A	N/A
A_33_P3240249	1,68591	1,64047	1,031997875	ENST00000577087	N/A	AK125712	N/A
A_21_P0012138	1,68036	1,63493	1,031990722	N/A	N/A	N/A	XLOC_I2_008783
A_21_P0008479	1,39261	1,34718	1,031990722	N/A	N/A	N/A	Inc-CLMN-2

A_33_P3290477	1,40135	1,35592	1,031990722	ENST00000339948	127665	NM_001009992	ZNF648
A_21_P0009430	1,55002	1,5046	1,031983569	ENST00000578803	400660	NR_120419	LINC00683
A_22_P00023561	1,40937	1,36395	1,031983569	ENST00000527997	N/A	N/A	N/A
A_21_P0010343	6,39053	6,34511	1,031983569	ENST00000450776	102724679	XR_425307	LOC102724679
A_22_P00009540	1,6977	1,65229	1,031976415	ENST00000552992	N/A	DA442292	N/A
A_22_P00002234	1,58447	1,53906	1,031976415	ENST00000412695	N/A	N/A	N/A
A_22_P00014384	10,5745	10,5291	1,031969262	ENST00000302516	23450	NM_012426	SF3B3
A_33_P3327771	1,51288	1,46748	1,031969262	ENST00000567334	127833	NM_001136504	SYT2
A_33_P3272558	13,1342	13,0888	1,031969262	N/A	29781	NM_001185011	NCAPH2
A_32_P353072	11,0308	10,9854	1,031969262	ENST00000396667	54664	NM_018374	TMEM106B
A_21_P0009370	1,68422	1,63883	1,031962109	N/A	N/A	N/A	lnc-SECTM1-1
A_33_P3222196	1,4351	1,38971	1,031962109	N/A	N/A	N/A	N/A
A_33_P3250971	1,51341	1,46802	1,031962109	ENST00000390621	N/A	Z18843	N/A
A_33_P3265301	5,47618	5,43079	1,031962109	N/A	125111	NM_152219	GJD3
A_33_P3351298	1,41039	1,36501	1,031954956	ENST00000480591	1129	AK125233	CHRM2
A_21_P0002753	1,70351	1,65813	1,031954956	ENST00000484679	N/A	N/A	N/A
A_22_P00021160	1,38957	1,34419	1,031954956	ENST00000456585	100505879	N/A	KIF25-AS1
A_33_P3375736	1,45491	1,40953	1,031954956	ENST00000443118	116966	NM_170710	WDR17
A_33_P3247117	1,48693	1,44156	1,031947803	ENST00000408967	9142	NM_004709	TMEM257
A_33_P3290318	1,61273	1,56736	1,031947803	N/A	N/A	AK127999	N/A
A_33_P3297651	3,60879	3,56342	1,031947803	N/A	100130540	AK125068	LOC100130540
A_22_P00003012	1,39401	1,34865	1,03194065	N/A	N/A	N/A	lnc-C6orf94-1
A_21_P0001051	1,54062	1,49527	1,031933498	ENST00000428399	N/A	N/A	N/A
A_23_P55917	5,43691	5,39156	1,031933498	ENST00000544769	84258	NM_032298	SYT3
A_22_P00002375	1,39421	1,34886	1,031933498	N/A	N/A	N/A	lnc-C12orf66-2
A_21_P0005699	1,69083	1,64548	1,031933498	ENST00000520370	N/A	N/A	N/A
A_21_P0005427	1,53058	1,48524	1,031926345	N/A	N/A	N/A	lnc-METTL2B-1
A_21_P0008463	1,63722	1,59188	1,031926345	N/A	N/A	N/A	lnc-NPC2-1
A_21_P0003102	1,57557	1,53023	1,031926345	N/A	N/A	N/A	lnc-TIMP4-1
A_21_P0006456	1,53626	1,49092	1,031926345	ENST00000433732	7503	N/A	XIST
A_33_P3356022	1,47838	1,43305	1,031919192	ENST00000390462	N/A	AB305718	N/A
A_33_P3293504	1,68362	1,63829	1,031919192	N/A	N/A	N/A	lnc-CNTN1-1
A_33_P3310644	1,43946	1,39413	1,031919192	ENST00000315683	122742	NM_001004717	OR4L1

A_33_P3393360	3,06239	3,01708	1,031904887	N/A	100130927	AK124783	LOC100130927
A_22_P00010702	1,54863	1,50332	1,031904887	ENST00000556448	N/A	BX325820	N/A
A_21_P0001820	1,70198	1,65668	1,031897734	ENST00000474561	N/A	N/A	N/A
A_22_P00020204	1,62373	1,57843	1,031897734	ENST00000456514	101101772	N/A	LINC00601
A_33_P3376531	1,39194	1,34664	1,031897734	N/A	N/A	N/A	N/A
A_21_P0005298	1,56185	1,51655	1,031897734	ENST00000443406	101928744	N/A	LINC01450
A_21_P0001282	1,54782	1,50252	1,031897734	N/A	N/A	N/A	Inc-TFAP2E-1
A_23_P114155	11,1799	11,1346	1,031897734	ENST00000156109	27238	NM_015698	GPLOW
A_22_P00012634	1,53749	1,4922	1,031890582	N/A	N/A	HY024160	Inc-PURG-1
A_22_P00015716	9,67704	9,63175	1,031890582	N/A	N/A	N/A	Inc-SYT13-2
A_32_P120127	1,52457	1,47928	1,031890582	N/A	100169752	NR_023362	TEX36-AS1
A_21_P0012585	1,44868	1,40339	1,031890582	N/A	N/A	N/A	XLOC_I2_010679
A_22_P00018618	1,52014	1,47487	1,031876277	N/A	102724406	XR_426072	LOC102724406
A_24_P463891	1,59105	1,54578	1,031876277	ENST00000302103	10690	NM_006581	FUT9
A_21_P0000847	8,26489	8,21963	1,031869124	N/A	100630918	NR_038942	LOC100630918
A_22_P00015235	1,67371	1,62846	1,031861972	N/A	147004	XR_243792	LOC147004
A_23_P217428	1,5562	1,51095	1,031861972	ENST00000489330	395	NM_013427	ARHGAP6
A_21_P0000761	1,57849	1,53325	1,03185482	N/A	100505716	NR_038319	LOC100505716
A_22_P00003632	1,44988	1,40464	1,03185482	N/A	N/A	AK124172	Inc-CD53-1
A_33_P3391905	1,47877	1,43353	1,03185482	N/A	139420	AK131475	SMEK3P
A_21_P0005084	1,54586	1,50062	1,03185482	N/A	N/A	N/A	Inc-PDE10A-1
A_22_P00013290	1,39802	1,35278	1,03185482	N/A	N/A	N/A	Inc-RP11-10A14.4.1-2
A_21_P0002513	1,69643	1,6512	1,031847667	N/A	N/A	N/A	Inc-RND3-4
A_22_P00015564	1,66486	1,61964	1,031840515	N/A	N/A	N/A	Inc-STRA6-1
A_22_P00011456	1,68224	1,63702	1,031840515	ENST00000555496	N/A	XM_006720348	N/A
A_33_P3341007	1,6266	1,58139	1,031833363	N/A	N/A	XR_158882	N/A
A_23_P371729	1,61175	1,56655	1,031826211	ENST00000621517	2702	NM_005266	GJA5
A_22_P00023176	1,50493	1,45973	1,031826211	N/A	N/A	N/A	Inc-STAT6-2
A_21_P0003441	1,54885	1,50365	1,031826211	ENST00000504165	N/A	N/A	N/A
A_22_P00007713	1,44145	1,39625	1,031826211	ENST00000539514	N/A	N/A	N/A
A_32_P155416	10,1406	10,0954	1,031826211	ENST00000495828	79033	NM_024066	ER13
A_21_P0003238	1,42089	1,37571	1,031811907	N/A	N/A	N/A	Inc-CADM2-3
A_22_P00020197	1,5481	1,50292	1,031811907	N/A	N/A	N/A	Inc-ANKRD11-4

A_22_P00009109	1,44348	1,3983	1,031811907	N/A	N/A	DA608549	Inc-LIMCH1-2
A_22_P00012160	1,54101	1,49583	1,031811907	N/A	N/A	AK090921	Inc-PON1-1
A_22_P00020371	1,39804	1,35286	1,031811907	ENST00000612422	101927815	NR_125423	LOC101927815
A_21_P0004157	5,48444	5,43927	1,031804755	ENST00000515153	N/A	N/A	N/A
A_22_P00004966	1,4576	1,41243	1,031804755	N/A	100874234	NR_046578	CACNA1C-AS4
A_23_P329798	1,60504	1,55987	1,031804755	ENST00000380911	9350	NM_005454	CER1
A_21_P0001848	1,55138	1,50621	1,031804755	N/A	N/A	N/A	Inc-YPEL5-1
A_22_P00024287	1,53381	1,48864	1,031804755	ENST00000412221	101929541	N/A	LOC101929541
A_21_P0006344	1,42534	1,38018	1,031797603	N/A	N/A	N/A	Inc-DMRTA1-7
A_22_P00024680	1,48154	1,43638	1,031797603	N/A	N/A	N/A	Inc-AC007405.2.1-3
A_21_P0013962	1,40254	1,35738	1,031797603	N/A	N/A	N/A	N/A
A_22_P00003815	1,74035	1,69519	1,031797603	ENST00000567401	N/A	AF054994	N/A
A_21_P0010113	1,53053	1,48538	1,031790451	N/A	N/A	N/A	Inc-FOXA2-2
A_22_P00025270	1,60369	1,55854	1,031790451	N/A	N/A	N/A	Inc-MAPK6-4
A_33_P3283262	1,70488	1,65973	1,031790451	ENST00000382470	728373	NM_001242326	USP17L25
A_33_P3814473	1,58739	1,54225	1,031783299	N/A	7115	BF248073	TMSB4XP1
A_21_P0006189	1,42468	1,37954	1,031783299	N/A	N/A	N/A	Inc-COL15A1-1
A_33_P3394853	1,6814	1,63626	1,031783299	N/A	100132215	NR_027069	LOC100132215
A_21_P0005716	1,60027	1,55514	1,031776148	ENST00000520273	389668	N/A	XKR9
A_22_P00024328	1,42499	1,37986	1,031776148	N/A	N/A	N/A	Inc-PFKP-1
A_33_P3408938	1,60183	1,55671	1,031768996	ENST00000616858	79166	NR_003061	LILRP2
A_19_P00811828	1,39431	1,34919	1,031768996	ENST00000614334	100129842	NM_001159293	ZNF737
A_22_P00021671	1,68095	1,63584	1,031761844	ENST00000447158	N/A	N/A	N/A
A_24_P406601	1,5354	1,49029	1,031761844	ENST00000252854	10439	NM_014279	OLFM1
A_22_P00002405	1,68106	1,63595	1,031761844	N/A	N/A	N/A	Inc-C14orf126-5
A_21_P0007982	1,60342	1,55831	1,031761844	ENST00000417079	N/A	N/A	N/A
A_22_P00003173	10,0093	9,96419	1,031761844	ENST00000557985	90120	NM_001256526	C9orf69
A_33_P8914647	1,54713	1,50203	1,031754693	ENST00000512517	101928776	NR_110951	LINC01258
A_22_P00016125	1,53933	1,49423	1,031754693	N/A	N/A	N/A	Inc-TIGD2-1
A_33_P3578394	1,53635	1,49125	1,031754693	N/A	284578	NR_027086	LOC284578
A_33_P3727762	15,3604	15,3153	1,031754693	ENST00000322030	6418	NM_003011	SET
A_33_P3217258	1,7213	1,67621	1,031747541	ENST00000450714	136991	NM_130768	ASZ1
A_21_P0008198	1,6073	1,56221	1,031747541	N/A	N/A	N/A	Inc-DCT-9

A_33_P3321258	1,58001	1,53492	1,031747541	N/A	N/A	AK098731	Inc-GLP2R-1
A_23_P53390	8,03213	7,98705	1,03174039	ENST00000261266	5787	NM_002837	PTPRB
A_33_P3311660	1,4422	1,39712	1,03174039	N/A	N/A	AK128239	N/A
A_23_P129133	1,72687	1,68179	1,03174039	ENST00000354638	4948	NM_000275	OCA2
A_23_P155755	1,42869	1,38362	1,031733238	ENST00000226317	6372	NM_002993	CXCL6
A_21_P0014497	1,51401	1,46894	1,031733238	N/A	101928612	XR_245345	LOC101928612
A_33_P3329123	1,68587	1,64081	1,031726087	N/A	N/A	N/A	N/A
A_32_P139738	6,21862	6,17356	1,031726087	ENST00000563904	N/A	N/A	N/A
A_21_P0010896	1,57282	1,52777	1,031718935	N/A	728218	N/A	LINC00864
A_33_P3320822	1,67133	1,62628	1,031718935	ENST00000614171	N/A	M62378	N/A
A_22_P00011260	1,55418	1,50913	1,031718935	ENST00000528000	N/A	N/A	N/A
A_33_P3423315	1,5455	1,50045	1,031718935	N/A	N/A	N/A	N/A
A_22_P00007731	1,42738	1,38234	1,031711784	N/A	N/A	BG199861	Inc-HMBOX1-4
A_22_P00001303	1,39318	1,34814	1,031711784	ENST00000531157	N/A	BG218689	N/A
A_21_P0006827	1,68846	1,64343	1,031704633	N/A	N/A	N/A	Inc-AL137145.1-3
A_33_P3363859	1,48903	1,444	1,031704633	N/A	100130452	NR_034036	LOC100130452
A_22_P00008865	1,42602	1,38099	1,031704633	N/A	100873922	NR_046657	ZFX-AS1
A_23_P47340	1,51954	1,47451	1,031704633	ENST00000321322	57453	NM_020693	DSCAML1
A_23_P69699	1,42447	1,37944	1,031704633	ENST00000296533	4886	NM_000909	NPY1R
A_21_P0013555	1,5336	1,48858	1,031697482	ENST00000428006	N/A	N/A	N/A
A_21_P0010347	1,38815	1,34314	1,03169033	ENST00000430483	440823	N/A	MIAT
A_33_P3378269	1,43078	1,38577	1,03169033	N/A	N/A	N/A	N/A
A_22_P00007725	1,69846	1,65345	1,03169033	N/A	N/A	N/A	Inc-HLTF-2
A_23_P9319	8,80494	8,75993	1,03169033	ENST00000485565	10927	NM_006717	SPIN1
A_21_P0014610	1,39153	1,34653	1,031683179	N/A	N/A	N/A	N/A
A_23_P202071	1,55925	1,51425	1,031683179	ENST00000399850	10659	NM_001025077	CEL2F2
A_22_P00013488	1,5141	1,46911	1,031676028	N/A	N/A	N/A	Inc-RP11-33N16.1.1-1
A_22_P00014466	1,52779	1,4828	1,031676028	ENST00000512571	N/A	N/A	N/A
A_21_P0003869	1,40844	1,36345	1,031676028	N/A	101928810	XR_244771	LOC101928810
A_33_P3364488	1,50467	1,45968	1,031676028	ENST00000450945	83953	NM_001170631	FCAMR
A_23_P3065	1,71273	1,66775	1,031668877	ENST00000216445	55195	NM_018168	C14orf105
A_21_P0007809	1,54367	1,49869	1,031668877	N/A	N/A	N/A	Inc-STX2-1
A_21_P0013124	1,42673	1,38175	1,031668877	N/A	N/A	N/A	XLOC_l2_012397



A_23_P68601	1,38823	1,34326	1,031661726	ENST00000480798	8530	NM_003650	CST7
A_22_P00017971	1,63998	1,59501	1,031661726	ENST00000439810	N/A	AK091755	N/A
A_21_P0009953	1,68888	1,64392	1,031654575	N/A	N/A	N/A	Inc-SYNDIG1-3
A_23_P123308	1,39462	1,34966	1,031654575	ENST00000614835	56154	NM_031271	TEX15
A_22_P00013279	1,68882	1,64387	1,031647425	ENST00000567862	N/A	N/A	N/A
A_22_P00021211	1,68783	1,64288	1,031647425	ENST00000411721	N/A	N/A	N/A
A_33_P3397233	1,52267	1,47772	1,031647425	N/A	101929256	XR_242748	LOC101929256
A_22_P00022949	1,39033	1,34539	1,031640274	N/A	N/A	N/A	Inc-ATAD1-1
A_22_P00018450	1,52813	1,4832	1,031633123	N/A	N/A	BX097331	Inc-KCNJ13-1
A_24_P57993	1,54736	1,50243	1,031633123	N/A	85352	NM_001099294	KIAA1644
A_22_P00025414	1,55671	1,51179	1,031625972	ENST00000563124	102723308	N/A	LOC102723308
A_22_P00010641	1,59442	1,5495	1,031625972	ENST00000552238	N/A	N/A	N/A
A_21_P0000920	1,5166	1,47169	1,031618822	N/A	101929120	NR_110716	LINC01351
A_21_P0014535	1,59003	1,54512	1,031618822	N/A	102724348	XR_429392	LOC102724348
A_21_P0012216	1,52707	1,48216	1,031618822	ENST00000625012	N/A	N/A	N/A
A_23_P34676	1,70469	1,65979	1,031611671	ENST00000483825	919	NM_198053	CD247
A_24_P80181	10,9613	10,9164	1,031611671	ENST00000258439	55654	NM_017849	TMEM127
A_22_P00023440	1,55266	1,50776	1,031611671	ENST00000510211	N/A	N/A	N/A
A_24_P126060	11,5308	11,4859	1,031611671	ENST00000457138	1654	NM_001356	DDX3X
A_23_P121695	1,54045	1,49556	1,03160452	ENST00000286758	10563	NM_006419	CXCL13
A_21_P0011953	1,5178	1,47292	1,03159737	ENST00000416758	101929127	NR_121190	PGM5P3-AS1
A_23_P252882	1,56431	1,51943	1,03159737	ENST00000304954	1448	NM_005212	CSN3
A_22_P00004268	1,58158	1,5367	1,03159737	N/A	N/A	BU945522	Inc-CNBD1-2
A_21_P0006615	1,43229	1,38741	1,03159737	ENST00000604086	N/A	N/A	N/A
A_33_P3237000	1,54401	1,49913	1,03159737	N/A	389396	NM_001010904	GLYATL3
A_21_P0011584	1,48392	1,43904	1,03159737	ENST00000583179	N/A	N/A	N/A
A_33_P3310246	1,60444	1,55957	1,031590219	ENST00000380970	401337	NR_038371	LINC01446
A_33_P3320408	1,55593	1,51107	1,031583069	N/A	N/A	N/A	N/A
A_23_P41750	1,53032	1,48546	1,031583069	ENST00000296739	84654	NM_032567	SPZ1
A_32_P174025	1,60041	1,55556	1,031575919	ENST00000600586	348303	NM_182704	SELV
A_21_P0007880	1,61506	1,57021	1,031575919	N/A	100507195	XR_171965	LOC100507195
A_21_P0002888	1,4896	1,44475	1,031575919	ENST00000474598	N/A	N/A	N/A
A_21_P0002136	1,68223	1,63739	1,031568768	ENST00000444017	N/A	N/A	N/A

A_22_P00003127	1,42661	1,38177	1,031568768	N/A	N/A	N/A	Inc-C9orf123-6
A_22_P00016888	1,71217	1,66733	1,031568768	N/A	N/A	AK130715	Inc-TSHB-3
A_21_P0012241	1,65571	1,61087	1,031568768	N/A	102725394	N/A	LOC102725394
A_33_P3215232	1,60446	1,55962	1,031568768	N/A	N/A	N/A	N/A
A_33_P3215906	9,17167	9,12684	1,031561618	ENST00000612520	400818	NM_001037675	NBPF9
A_22_P00018046	2,26583	2,221	1,031561618	N/A	N/A	N/A	Inc-ZNF266-1
A_21_P0002090	1,39898	1,35415	1,031561618	ENST00000424355	N/A	N/A	N/A
A_22_P00000316	1,68549	1,64066	1,031561618	ENST00000440935	N/A	N/A	N/A
A_22_P00007848	1,43377	1,38894	1,031561618	ENST00000583122	N/A	N/A	N/A
A_22_P00009503	1,58118	1,53635	1,031561618	N/A	100874286	NR_047475	NRG1-IT3
A_21_P0013008	1,68527	1,64045	1,031554468	N/A	N/A	N/A	XLOC_I2_012366
A_23_P1973	1,49741	1,45259	1,031554468	ENST00000339994	3767	NM_000525	KCNJ11
A_21_P0008270	1,67824	1,63342	1,031554468	ENST00000557246	101927690	XR_245765	LOC101927690
A_22_P00011212	1,45641	1,4116	1,031547318	N/A	101929198	NR_121666	ATP13A4-AS1
A_33_P6820772	5,33507	5,29026	1,031547318	N/A	282997	NR_026932	PDCD4-AS1
A_21_P0010354	1,53763	1,49283	1,031540168	ENST00000416995	N/A	N/A	N/A
A_33_P3211956	12,2259	12,1811	1,031540168	ENST00000395042	10287	NM_005873	RGS19
A_22_P00001624	1,49117	1,44638	1,031533017	ENST00000604933	100996567	NR_103828	ANTXRPL1
A_21_P0014841	1,67394	1,62915	1,031533017	N/A	101929335	NR_110150	ADAMTS9-AS1
A_33_P3384202	1,42596	1,38118	1,031525867	ENST00000321355	338662	NM_001005197	OR8D4
A_22_P00022639	1,46999	1,42522	1,031518718	N/A	100506937	XR_108820	LOC100506937
A_24_P306304	1,38892	1,34415	1,031518718	ENST00000376098	654348	NM_001045480	PRAMEF16
A_33_P3386237	3,31457	3,2698	1,031518718	N/A	100132529	NR_103851	TAT-AS1
A_22_P00003515	1,42187	1,37711	1,031511568	N/A	N/A	N/A	Inc-CCL13-1
A_33_P3341821	4,02545	3,98071	1,031497268	ENST00000302250	338094	NM_176782	FAM151A
A_24_P268893	9,01256	8,96783	1,031490118	ENST00000311638	152815	NM_144721	THAP6
A_22_P00009382	1,6689	1,62417	1,031490118	ENST00000517595	N/A	N/A	N/A
A_23_P212354	1,59671	1,55198	1,031490118	ENST00000292301	729230	NM_001123041	CCR2
A_23_P40059	9,26156	9,21683	1,031490118	ENST00000342075	5378	NM_000534	PMS1
A_22_P00013004	1,40508	1,36036	1,031482968	N/A	N/A	N/A	Inc-RFX8-1
A_22_P00001448	4,14733	4,10261	1,031482968	N/A	101928001	NR_110822	PRKCA-AS1
A_21_P0009884	1,68565	1,64094	1,031475819	ENST00000422574	N/A	N/A	N/A
A_21_P0014914	1,51685	1,47214	1,031475819	N/A	100505518	XR_133034	EDNRB-AS1

A_23_P11774	11,6207	11,576	1,031468669	ENST00000488453	51118	NM_016037	UTP11L
A_22_P00016837	5,88913	5,84443	1,031468669	N/A	N/A	AK091722	Inc-TRMT2B-1
A_21_P0004342	1,61564	1,57095	1,03146152	N/A	N/A	N/A	Inc-FAM153B-3
A_21_P0005726	1,5752	1,53051	1,03146152	N/A	N/A	N/A	Inc-ZFHx4-2
A_22_P00004491	1,53061	1,48592	1,03146152	ENST00000553029	N/A	N/A	N/A
A_23_P13102	1,53146	1,48678	1,03145437	ENST00000494737	100506742	NM_001191016	CASP12
A_21_P0005009	1,53099	1,48632	1,031447221	N/A	N/A	N/A	Inc-MBOAT1-3
A_21_P0002955	1,68896	1,6443	1,031440071	N/A	N/A	N/A	Inc-LARS2-1
A_21_P0014892	1,567	1,52234	1,031440071	N/A	N/A	N/A	N/A
A_22_P00023353	1,53284	1,48818	1,031440071	ENST00000584843	N/A	N/A	N/A
A_22_P00009353	1,63877	1,59412	1,031432922	N/A	N/A	N/A	Inc-LRRN3-1
A_22_P00006386	1,68068	1,63603	1,031432922	ENST00000537742	N/A	N/A	N/A
A_22_P00020640	1,38725	1,34261	1,031425772	ENST00000489016	N/A	N/A	N/A
A_21_P0004841	1,60919	1,56455	1,031425772	N/A	N/A	N/A	Inc-CD83-3
A_23_P361604	1,56247	1,51784	1,031418623	ENST00000278779	100128496	NM_001242671	C2orf78
A_22_P00025039	1,52547	1,48084	1,031418623	ENST00000422271	N/A	N/A	N/A
A_22_P00005413	1,75972	1,7151	1,031411474	N/A	N/A	N/A	Inc-DTHD1-4
A_19_P00319213	1,5912	1,54658	1,031411474	ENST00000557155	100996280	NR_102737	LINC00911
A_21_P0013033	1,39498	1,35037	1,031404325	ENST00000508210	221262	N/A	CCDC162P
A_21_P0005858	1,48762	1,44301	1,031404325	N/A	102725309	N/A	LOC102725309
A_33_P3692984	1,47525	1,43065	1,031397176	ENST00000569854	N/A	BC035264	N/A
A_21_P0013279	1,43396	1,38936	1,031397176	N/A	N/A	N/A	XLOC_I2_013650
A_21_P0003986	1,53315	1,48856	1,031390027	ENST00000514532	100861519	NM_001278094	GDNF-AS1
A_21_P0004849	1,50161	1,45702	1,031390027	N/A	N/A	N/A	Inc-ID4-1
A_21_P0001851	1,38711	1,34254	1,031375729	ENST00000453451	N/A	N/A	N/A
A_21_P0002316	1,40033	1,35576	1,031375729	N/A	N/A	N/A	Inc-DCAF17-1
A_22_P00005372	1,67758	1,63301	1,031375729	ENST00000514103	N/A	N/A	N/A
A_33_P3370325	1,53258	1,48801	1,031375729	N/A	N/A	N/A	N/A
A_21_P0010041	1,412	1,36744	1,03136858	N/A	101927242	N/A	LINC01430
A_21_P0013682	1,525	1,48044	1,03136858	ENST00000415302	101928720	NR_121581	LINC01509
A_22_P00022074	1,62564	1,58109	1,031361431	ENST00000499025	N/A	N/A	N/A
A_33_P3276828	1,64771	1,60317	1,031354282	N/A	N/A	N/A	N/A
A_21_P0008973	1,67104	1,62651	1,031347133	N/A	N/A	N/A	Inc-NUDT7-1

A_22_P00018291	1,41842	1,37391	1,031332836	N/A	N/A	N/A	Inc-ZNF804A-1
A_22_P00003166	1,60719	1,56268	1,031332836	N/A	N/A	N/A	Inc-C9orf66-2
A_19_P00808923	14,7803	14,7358	1,031325687	N/A	N/A	N/A	N/A
A_23_P19226	11,6343	11,5898	1,031325687	ENST00000359564	29940	NM_013352	DSE
A_21_P0011725	1,73436	1,68987	1,031318539	ENST00000597169	N/A	N/A	N/A
A_21_P0009954	1,52747	1,48299	1,03131139	N/A	N/A	N/A	Inc-BPIFA2-1
A_33_P3305438	5,06644	5,02196	1,03131139	N/A	N/A	N/A	N/A
A_21_P0003201	1,72493	1,68046	1,031304242	N/A	N/A	N/A	Inc-GMNC-2
A_21_P0007946	1,68448	1,64001	1,031304242	ENST00000434832	N/A	N/A	N/A
A_23_P3371	1,61314	1,56867	1,031304242	ENST00000394745	5923	NM_002891	RASGRF1
A_33_P3334005	1,55304	1,50858	1,031297093	ENST00000357754	400591	NM_207454	C17orf102
A_24_P315975	1,4294	1,38495	1,031289945	ENST00000391415	100132386	NM_001146041	KRTAP4-9
A_33_P3381478	1,68006	1,63561	1,031289945	ENST00000395089	127255	NM_001105659	LRRIQ3
A_33_P3221935	1,45615	1,4117	1,031289945	N/A	100287477	XM_006723533	LOC100287477
A_21_P0009520	1,52823	1,48378	1,031289945	N/A	N/A	N/A	Inc-PPP4R1-6
A_22_P00023207	1,47239	1,42797	1,0312685	N/A	N/A	AK123575	Inc-RALGAPA1-1
A_21_P0014865	1,69754	1,65312	1,0312685	N/A	100288160	AF422192	LOC100288160
A_21_P0008619	1,42866	1,38425	1,031261352	ENST00000558675	N/A	XR_429516	N/A
A_21_P0008922	1,51897	1,47456	1,031261352	N/A	N/A	N/A	Inc-AC133485.1.1-2
A_21_P0014169	1,54198	1,49757	1,031261352	N/A	N/A	N/A	N/A
A_33_P3337617	1,59284	1,54843	1,031261352	N/A	N/A	N/A	N/A
A_21_P0003221	1,56867	1,52427	1,031254204	N/A	N/A	N/A	Inc-OXNAD1-2
A_21_P0004010	1,73793	1,69353	1,031254204	ENST00000510180	N/A	N/A	N/A
A_21_P0012160	1,69992	1,65552	1,031254204	ENST00000445589	N/A	N/A	N/A
A_22_P00011223	1,67953	1,63513	1,031254204	ENST00000566892	N/A	AF131788	N/A
A_22_P00024716	1,5396	1,4952	1,031254204	ENST00000507653	N/A	N/A	N/A
A_32_P381957	1,76527	1,72087	1,031254204	ENST00000458417	317703	NM_173857	VN1R4
A_33_P3325439	9,88739	9,84299	1,031254204	ENST00000399973	10600	NM_001001992	USP16
A_33_P3224620	1,67794	1,63355	1,031247055	N/A	100128908	BC153822	LOC100128908
A_21_P0000072	1,62604	1,58165	1,031247055	N/A	151254	NM_001168217	ALS2CR11
A_33_P3299209	1,48485	1,44046	1,031247055	ENST00000504828	N/A	N/A	N/A
A_21_P0003048	1,39038	1,34602	1,031225611	N/A	N/A	N/A	Inc-MME-1
A_21_P0014091	1,62359	1,57923	1,031225611	N/A	N/A	BG218553	N/A

A_22_P00000910	1,67597	1,63161	1,031225611	N/A	N/A	N/A	Inc-AJAP1-2
A_33_P3293411	1,57265	1,5283	1,031218464	N/A	N/A	N/A	Inc-MLL3-1
A_22_P00023971	1,5074	1,46305	1,031218464	N/A	N/A	N/A	Inc-OVGP1-2
A_21_P0001472	1,44242	1,39807	1,031218464	N/A	N/A	N/A	Inc-RCC2-1
A_23_P384551	1,46372	1,41937	1,031218464	N/A	149650	AK056716	FLJ32154
A_21_P0002035	1,67621	1,63187	1,031211316	N/A	N/A	N/A	Inc-TRMT61B-1
A_21_P0005817	1,42486	1,38052	1,031211316	N/A	100507403	XR_426301	LOC100507403
A_22_P00021564	1,67874	1,6344	1,031211316	ENST00000565706	N/A	AA496136	N/A
A_21_P0006272	1,56163	1,5173	1,031204168	N/A	N/A	N/A	Inc-CBWD5-1
A_21_P0006887	1,59017	1,54584	1,031204168	N/A	N/A	N/A	Inc-SH2D4B-2
A_22_P00025019	1,58701	1,54268	1,031204168	ENST00000436953	N/A	N/A	N/A
A_23_P28761	1,55579	1,51147	1,03119702	ENST00000609795	3172	NM_001030004	HNF4A
A_22_P00006192	7,10749	7,06317	1,03119702	ENST00000480805	8512	N/A	MBL1P
A_21_P0012126	1,61831	1,57399	1,03119702	N/A	N/A	N/A	XLOC_I2_008667
A_21_P0008264	1,64933	1,60502	1,031189873	N/A	N/A	N/A	Inc-COL4A1-2
A_22_P00004134	1,69262	1,64831	1,031189873	ENST00000524073	N/A	N/A	N/A
A_24_P386375	1,42696	1,38266	1,031182725	ENST00000380225	3452	NM_002175	IFNA21
A_22_P00004294	1,54517	1,50087	1,031182725	N/A	N/A	N/A	Inc-CNOT7-1
A_22_P00003612	1,56525	1,52095	1,031182725	N/A	N/A	N/A	Inc-CD38-2
A_33_P3286958	1,59022	1,54592	1,031182725	ENST00000367434	8707	NM_003783	B3GALT2
A_22_P00000642	1,53702	1,49273	1,031175577	N/A	101927882	XR_242906	LOC101927882
A_33_P3414591	1,59	1,54571	1,031175577	ENST00000354571	7291	NM_000474	TWIST1
A_21_P0010246	1,39017	1,34588	1,031175577	N/A	N/A	N/A	Inc-WRB-2
A_22_P00010606	1,44603	1,40176	1,031161282	N/A	102724555	NR_111922	LOC102724555
A_33_P3211356	1,76489	1,72062	1,031161282	ENST00000410059	57628	NM_001178037	DPP10
A_23_P25246	1,40603	1,36177	1,031154135	ENST00000299178	552	NM_000706	AVPR1A
A_21_P0003857	1,40401	1,35975	1,031154135	N/A	N/A	N/A	Inc-CLCN3-1
A_23_P382682	1,497	1,45274	1,031154135	ENST00000555603	122945	NM_001113475	NOXRED1
A_22_P00011262	1,42918	1,38492	1,031154135	ENST00000525654	N/A	N/A	N/A
A_22_P00009559	4,20086	4,1566	1,031154135	ENST00000426067	N/A	N/A	N/A
A_22_P00011499	1,59728	1,55303	1,031146987	ENST00000549527	N/A	BX092570	N/A
A_19_P00322997	1,53013	1,48588	1,031146987	N/A	101928682	NR_104667	LOC101928682
A_21_P0001126	1,52156	1,47732	1,03113984	ENST00000416581	101929651	N/A	LINC01398

A_21_P0008237	1,38569	1,34145	1,03113984	N/A	N/A	N/A	Inc-AL445989.1-19
A_33_P3415265	1,68886	1,64463	1,031132693	ENST00000299721	339302	NM_181654	CPLX4
A_22_P00008459	4,31333	4,2691	1,031132693	N/A	101927221	NR_125415	LOC101927221
A_21_P0009049	2,1372	2,09298	1,031125546	N/A	N/A	N/A	Inc-TK2-4
A_21_P0009124	1,60229	1,55807	1,031125546	ENST00000566649	100996345	XR_172163	LOC100996345
A_33_P3362611	1,5001	1,45588	1,031125546	ENST00000370742	64123	NM_022159	ELTD1
A_22_P00004616	1,45092	1,40671	1,031118398	N/A	100506134	NR_038983	TTC21B-AS1
A_22_P00019988	8,97954	8,93534	1,031111251	N/A	N/A	N/A	Inc-GTPBP1-2
A_22_P00015713	1,5961	1,5519	1,031111251	N/A	N/A	N/A	Inc-SYT1-5
A_19_P00806883	1,48838	1,44418	1,031111251	ENST00000401499	N/A	N/A	N/A
A_21_P0007974	1,51461	1,47041	1,031111251	ENST00000624644	100874182	NR_047040	LINC00424
A_22_P00007856	1,6823	1,6381	1,031111251	N/A	N/A	BM563321	Inc-HRH4-9
A_22_P00025065	1,38596	1,34176	1,031111251	N/A	N/A	N/A	Inc-PLCXD3-1
A_21_P0011862	1,61876	1,57456	1,031111251	N/A	N/A	N/A	XLOC_I2_007586
A_22_P00012704	1,70874	1,66455	1,031104104	N/A	101927211	NR_110742	LOC101927211
A_33_P3391846	1,6622	1,61801	1,031104104	ENST00000378132	56146	NM_031495	PCDHA2
A_22_P00015868	1,5105	1,46631	1,031104104	ENST00000330469	9096	XM_006715602	TBX18
A_21_P0010326	1,40232	1,35814	1,031096957	N/A	N/A	N/A	Inc-ICOSLG-6
A_23_P129157	9,78756	9,74338	1,031096957	ENST00000567393	79661	NM_024608	NEIL1
A_22_P00012177	1,52432	1,48015	1,03108981	N/A	N/A	N/A	Inc-POU3F2-1
A_33_P3357609	1,43027	1,3861	1,03108981	ENST00000480037	81030	NM_001160419	ZBP1
A_22_P00001622	1,67515	1,63099	1,031082663	N/A	N/A	N/A	Inc-ASAH2B-3
A_24_P111406	1,72355	1,6794	1,031075516	ENST00000256785	81494	NM_030787	CFHR5
A_22_P00009903	1,56389	1,51975	1,031068369	ENST00000455716	N/A	N/A	N/A
A_33_P3254390	1,4006	1,35646	1,031068369	ENST00000466715	375298	NM_001030312	CERKL
A_21_P0007390	1,58145	1,53731	1,031068369	N/A	N/A	N/A	Inc-PDGFD-3
A_22_P00013154	1,52411	1,47997	1,031068369	ENST00000421624	N/A	N/A	N/A
A_33_P3320708	1,59549	1,55135	1,031068369	N/A	N/A	N/A	N/A
A_32_P310503	1,51344	1,4693	1,031068369	ENST00000318104	391194	NM_001004688	OR2M2
A_23_P94902	1,45779	1,41365	1,031068369	ENST00000360029	386617	NM_198353	KCTD8
A_23_P70746	6,64711	6,60298	1,031061223	ENST00000531788	54806	NM_017651	AHI1
A_22_P00005317	1,49594	1,45181	1,031061223	N/A	N/A	BC041347	Inc-DNASE1L3-1
A_33_P3303905	1,52901	1,48488	1,031061223	ENST00000316987	390081	NM_001005165	OR52E4

A_22_P00013593	1,73367	1,68955	1,031054076	N/A	N/A	DB125444	Inc-RP11-503N18.3.1-3
A_33_P3369696	12,9193	12,8752	1,031039783	ENST00000262962	55702	NM_018074	CCDC94
A_33_P3282325	1,67926	1,63516	1,031039783	ENST00000625187	1617	NM_004081	DAZ1
A_33_P3679936	1,39903	1,35493	1,031039783	ENST00000607593	283483	NR_051977	LINC00551
A_24_P92451	1,76084	1,71674	1,031039783	ENST00000451257	642633	NR_108107	FAM230B
A_21_P0005741	1,64181	1,59771	1,031039783	N/A	N/A	N/A	Inc-SPAG1-2
A_21_P0002216	2,8598	2,81571	1,031032636	N/A	102724063	XR_425400	LOC102724063
A_21_P0008262	1,43739	1,39331	1,031025489	N/A	N/A	N/A	Inc-SLITRK6-1
A_21_P0004490	1,53783	1,49375	1,031025489	N/A	101929544	XR_241746	LOC101929544
A_21_P0001965	1,64543	1,60135	1,031025489	N/A	N/A	N/A	Inc-ATIC-5
A_23_P312383	1,60118	1,55711	1,031018343	ENST00000505642	285668	NM_173667	C5orf64
A_33_P3414574	9,65385	9,60978	1,031018343	ENST00000317089	10294	NM_005880	DNAJA2
A_22_P00021647	1,55906	1,51499	1,031018343	N/A	N/A	AK096618	Inc-CDK5R1-1
A_33_P3700860	1,49226	1,4482	1,031011196	N/A	85375	AB051448	KIAA1661
A_21_P0013290	1,54805	1,50399	1,031011196	N/A	646588	N/A	LOC646588
A_23_P66530	1,58687	1,54281	1,031011196	ENST00000255381	4622	NM_017533	MYH4
A_23_P70598	1,5989	1,55484	1,031011196	ENST00000611141	6954	NM_018679	TCP11
A_22_P00009997	1,49808	1,45402	1,031011196	ENST00000533304	100507584	NR_038989	LINC01016
A_22_P00019569	2,93655	2,89253	1,030982611	ENST00000611846	389676	NM_001242668	C8orf87
A_21_P0006793	1,59384	1,54982	1,030982611	ENST00000419373	101927704	N/A	MIR3663HG
A_33_P3740427	1,45509	1,41107	1,030982611	ENST00000413603	282980	NR_040253	LINC00700
A_21_P0012743	1,43701	1,39299	1,030982611	ENST00000508724	N/A	N/A	N/A
A_21_P0007806	1,54331	1,49929	1,030982611	ENST00000509760	440119	NR_033834	FZD10-AS1
A_22_P00001422	1,52783	1,48383	1,030968319	ENST00000524493	N/A	DA722649	N/A
A_21_P0007509	1,69198	1,64798	1,030968319	N/A	102659353	N/A	THRIL
A_33_P3291882	5,98312	5,93913	1,030961173	N/A	57492	AK025945	ARID1B
A_33_P3349030	1,38921	1,34522	1,030961173	ENST00000555187	N/A	AK128397	N/A
A_23_P13479	1,52957	1,48559	1,030954027	ENST00000319988	256148	NM_001004725	OR4S1
A_33_P3252661	1,38623	1,34225	1,030954027	ENST00000522175	340441	NM_001005365	POTEA
A_33_P3211834	8,19684	8,15286	1,030954027	N/A	10326	XM_006710250	SIRPB1
A_22_P00025593	1,52332	1,47935	1,030946881	ENST00000452501	N/A	N/A	N/A
A_33_P3430391	5,55138	5,50742	1,030939735	ENST00000506021	389273	XR_241740	LOC389273
A_22_P00011815	1,75706	1,7131	1,030939735	N/A	N/A	N/A	Inc-PHC3-1

A_24_P410721	1,57224	1,52828	1,030939735	ENST00000340147	133491	NM_001144954	C5orf47
A_22_P00015257	1,56865	1,52469	1,030939735	N/A	N/A	N/A	Inc-SPAM1-3
A_32_P115438	1,53167	1,48772	1,030932589	ENST00000533922	100128239	NR_027276	LOC100128239
A_33_P3255065	1,5114	1,46745	1,030932589	N/A	N/A	N/A	N/A
A_22_P00003418	1,49383	1,44988	1,030932589	ENST00000577569	N/A	N/A	N/A
A_33_P3301104	1,48351	1,4396	1,030904006	ENST00000319637	284656	NM_173641	EPHA10
A_33_P3392177	13,3556	13,3117	1,03089686	ENST00000484572	53405	NM_001256023	CLIC5
A_23_P252783	11,3108	11,2669	1,03089686	ENST00000430147	29988	NM_014580	SLC2A8
A_32_P162192	1,43538	1,39148	1,03089686	ENST00000603633	338005	NR_027457	LINC00221
A_22_P00008825	1,59845	1,55455	1,03089686	N/A	N/A	N/A	Inc-KLF3-1
A_22_P00013452	1,67498	1,63109	1,030889714	ENST00000570118	104266959	NR_126349	LINC01195
A_21_P0012588	1,59592	1,55203	1,030889714	N/A	N/A	N/A	XLOC_I2_010701
A_33_P3422712	7,72361	7,67972	1,030889714	N/A	N/A	N/A	N/A
A_23_P49674	9,50066	9,45677	1,030889714	ENST00000421050	22899	NM_173728	ARHGEF15
A_21_P0003758	1,39331	1,34943	1,030882569	N/A	N/A	N/A	Inc-AR SJ-1
A_22_P00009273	1,68802	1,64414	1,030882569	N/A	N/A	N/A	Inc-LRRC10-1
A_33_P3343496	1,59204	1,54816	1,030882569	ENST00000526538	390168	NM_001004740	OR5M1
A_21_P0009811	1,47577	1,43189	1,030882569	N/A	101929312	N/A	LOC101929312
A_21_P0006503	1,57199	1,52811	1,030882569	ENST00000617377	340554	N/A	ZC3H12B
A_23_P46781	1,69733	1,65347	1,030868278	ENST00000378076	8516	NM_003638	ITGA8
A_22_P00005908	1,67449	1,63063	1,030868278	ENST00000434098	101928202	XR_241134	LOC101928202
A_22_P00021854	1,52417	1,48031	1,030868278	ENST00000432359	N/A	N/A	N/A
A_33_P3494979	1,56203	1,51817	1,030868278	N/A	N/A	BX648662	Inc-SART3-1
A_33_P3342305	1,41922	1,37537	1,030861132	ENST00000615593	10351	NM_007168	ABCA8
A_21_P0003477	1,51467	1,47084	1,030846842	N/A	N/A	N/A	Inc-BTC-3
A_22_P00006769	1,54397	1,50014	1,030846842	N/A	N/A	N/A	Inc-FUCA1-1
A_22_P00007276	1,49461	1,45078	1,030846842	N/A	101927284	NR_110754	LOC101927284
A_22_P00020829	1,45128	1,40746	1,030839697	N/A	N/A	N/A	Inc-ANKRD33B-1
A_21_P0013917	1,61373	1,56992	1,030832551	ENST00000497526	284958	AK092780	NT5DC4
A_33_P3374215	6,92176	6,87795	1,030832551	N/A	N/A	N/A	N/A
A_23_P106708	18,8914	18,8476	1,030825406	ENST00000531065	6187	NM_002952	RPS2
A_33_P3380742	13,8823	13,8385	1,030825406	ENST00000466995	10245	NM_001167947	TIMM17B
A_33_P3291748	1,40439	1,36059	1,030825406	ENST00000406071	100506627	NM_020869	DCDC5



A_22_P00015768	1,5642	1,5204	1,030825406	N/A	N/A	N/A	Inc-TAF9-1
A_21_P0000437	1,53538	1,49158	1,030825406	N/A	100033437	NR_003294	SNORD115-2
A_22_P00023889	1,70953	1,66573	1,030825406	N/A	103352541	N/A	LOC103352541
A_33_P3378284	11,1855	11,1417	1,030825406	ENST00000593184	125965	NM_144613	COX6B2
A_23_P117082	12,6349	12,5911	1,030825406	ENST00000014930	50865	NM_015987	HEBP1
A_22_P00014773	1,52434	1,48055	1,030818261	N/A	N/A	N/A	Inc-SLC37A2-1
A_22_P00008434	1,67711	1,63332	1,030818261	ENST00000574365	N/A	N/A	N/A
A_21_P0013328	1,4108	1,36701	1,030818261	N/A	N/A	N/A	XLOC_I2_013873
A_23_P201376	6,64847	6,60468	1,030818261	ENST00000437941	117178	NM_014021	SSX2IP
A_33_P3299739	8,62602	8,58224	1,030811116	ENST00000372539	149461	NM_001123395	CLDN19
A_22_P00015540	4,50136	4,45759	1,030803971	N/A	N/A	N/A	Inc-STK32C-2
A_21_P0003107	1,5125	1,46874	1,030796826	ENST00000451284	285326	NR_034055	LINC00692
A_33_P3276217	1,66393	1,62017	1,030796826	N/A	N/A	N/A	N/A
A_22_P00010072	1,43308	1,38934	1,030782536	ENST00000563825	N/A	DA114384	N/A
A_23_P415791	1,67817	1,63443	1,030782536	ENST00000402510	57481	NM_020721	KIAA1210
A_33_P3362239	8,62563	8,58189	1,030782536	N/A	N/A	N/A	N/A
A_21_P0008713	1,43416	1,39043	1,030775391	N/A	N/A	N/A	Inc-GABRB3-2
A_21_P0002346	1,4729	1,42918	1,030768247	N/A	N/A	N/A	Inc-TMEM169-1
A_22_P00016579	1,5614	1,51769	1,030761102	N/A	N/A	N/A	Inc-TNFRSF21-1
A_22_P00010290	1,51817	1,47446	1,030761102	ENST00000453639	N/A	N/A	N/A
A_24_P212152	16,2618	16,2181	1,030753957	ENST00000281871	80097	NM_025029	MZT2B
A_21_P0001631	1,54159	1,4979	1,030746813	N/A	N/A	N/A	Inc-TP53BP2-1
A_22_P00004683	1,61423	1,57054	1,030746813	ENST00000529769	100507384	N/A	LOC100507384
A_21_P0000407	1,68308	1,63939	1,030746813	N/A	767588	NR_003203	SNORD114-10
A_21_P0004741	1,5458	1,50212	1,030739668	ENST00000424868	N/A	N/A	N/A
A_33_P3806524	1,40625	1,36257	1,030739668	ENST00000581550	9229	BC040718	DLGAP1
A_22_P00000291	1,70623	1,66255	1,030739668	ENST00000412153	N/A	N/A	N/A
A_33_P3259625	1,6209	1,57723	1,030732524	ENST00000401095	100287898	NM_001242672	TTC34
A_21_P0012688	1,59252	1,54885	1,030732524	N/A	N/A	N/A	XLOC_I2_011302
A_21_P0005593	1,38421	1,34054	1,030732524	N/A	N/A	N/A	Inc-PDGFA-2
A_33_P3337119	1,70336	1,65969	1,030732524	N/A	N/A	N/A	N/A
A_22_P00004400	1,57524	1,53157	1,030732524	N/A	101927233	NR_109879	SEMA6A-AS1
A_21_P0000705	1,43011	1,38645	1,030725379	N/A	100507524	NR_037901	ARHGEF26-AS1

A_22_P00003226	1,51717	1,47351	1,030725379	N/A	10369	NM_006078	CACNG2
A_21_P0001823	1,54288	1,49922	1,030725379	N/A	N/A	N/A	Inc-HPCAL1-2
A_23_P124570	6,66405	6,62039	1,030725379	ENST00000618353	2241	NM_005246	FER
A_21_P0009574	1,60214	1,55849	1,030718235	ENST00000581862	N/A	N/A	N/A
A_22_P00023337	1,5263	1,48265	1,030718235	ENST00000436056	N/A	XR_426177	N/A
A_21_P0000133	1,5233	1,47966	1,030711109	ENST00000348340	116328	NM_001195639	C8orf34
A_32_P346172	1,43459	1,39095	1,030711109	ENST00000355868	126248	NM_173479	WDR88
A_21_P0012483	1,51596	1,47232	1,030711109	N/A	N/A	N/A	XLOC_I2_010511
A_23_P81683	1,59988	1,55624	1,030711109	ENST00000368549	222545	NM_148963	GPRC6A
A_21_P0000955	1,5724	1,52876	1,030711109	ENST00000423921	N/A	N/A	N/A
A_33_P3321622	1,58681	1,54318	1,030703946	ENST00000367561	353299	AL136902	RGSL1
A_21_P0011162	1,4505	1,40687	1,030703946	N/A	N/A	N/A	XLOC_I2_003843
A_33_P3878681	1,50972	1,4661	1,030696802	ENST00000426534	284825	NR_126010	LOC284825
A_33_P3335257	5,38228	5,33867	1,030689657	ENST00000309164	257062	NM_152784	CATSPERD
A_23_P149042	10,6575	10,6139	1,030682513	ENST00000478402	29920	NM_013328	PYCR2
A_22_P00009769	1,43039	1,38679	1,030682513	ENST00000502893	N/A	N/A	N/A
A_32_P144908	12,9909	12,9473	1,030682513	ENST00000357002	9534	NM_203282	ZNF254
A_33_P3220847	1,65349	1,6099	1,030675369	N/A	N/A	N/A	N/A
A_33_P3364190	1,67569	1,6321	1,030675369	ENST00000366480	391191	NM_001004491	OR2AK2
A_22_P00012973	1,38889	1,34531	1,030668225	N/A	101926933	NR_110002	LOC101926933
A_22_P00018228	7,55676	7,51318	1,030668225	ENST00000450891	N/A	N/A	N/A
A_21_P0005373	1,68062	1,63705	1,030661081	N/A	N/A	N/A	Inc-GPR141-1
A_21_P0008327	1,39709	1,35352	1,030661081	N/A	N/A	N/A	Inc-GEMIN2-2
A_22_P00013310	1,53775	1,49419	1,030653937	N/A	N/A	N/A	nc-RP11-116D17.1.1-10
A_24_P942805	8,45411	8,41055	1,030653937	ENST00000562001	283871	NM_001042371	PGP
A_21_P0009615	1,3921	1,34855	1,030646793	N/A	N/A	N/A	Inc-RP11-17M16.1.1-6
A_21_P0003714	1,44825	1,4047	1,030646793	N/A	N/A	N/A	Inc-STX18-2
A_23_P91954	1,60305	1,55952	1,030632505	ENST00000273145	1238	NM_001296	ACKR2
A_23_P7853	1,56664	1,52311	1,030632505	ENST00000533604	11131	NM_007058	CAPN11
A_21_P0012377	1,38478	1,34125	1,030632505	N/A	N/A	N/A	XLOC_I2_009736
A_22_P00021147	1,54113	1,49761	1,030625362	N/A	N/A	LN713953	Inc-LRRK1-4
A_21_P0002986	1,5181	1,47458	1,030625362	N/A	N/A	N/A	Inc-ROBO2-6
A_22_P00004343	1,56075	1,51724	1,030618218	N/A	N/A	BG191729	Inc-COL19A1-1

A_22_P00002680	1,38434	1,34083	1,030618218	N/A	N/A	N/A	Inc-C1orf31-7
A_21_P0009173	1,57235	1,52884	1,030618218	ENST00000514468	101927230	N/A	LOC101927230
A_24_P558750	1,38989	1,34638	1,030618218	ENST00000369529	100132963	NM_001162936	SMIM9
A_22_P00015228	1,54775	1,50424	1,030618218	N/A	339751	NR_033882	MLK7-AS1
A_33_P3373775	4,45658	4,41308	1,030611074	N/A	440603	NM_001010922	BCL2L15
A_24_P136866	1,69572	1,65222	1,030611074	ENST00000417271	6546	NM_021097	SLC8A1
A_33_P3259662	7,75208	7,70859	1,030603931	ENST00000396161	7693	NM_003435	ZNF134
A_33_P3302055	1,58769	1,54422	1,030589644	N/A	N/A	AL833395	Inc-C17orf80-3
A_21_P0002801	1,60266	1,55919	1,030589644	ENST00000484765	100507661	N/A	LOC100507661
A_33_P3279505	1,67613	1,63266	1,030589644	N/A	N/A	N/A	N/A
A_21_P0006505	1,44747	1,40401	1,0305825	N/A	N/A	N/A	Inc-FOXO4-1
A_21_P0007940	1,68714	1,64368	1,0305825	N/A	N/A	N/A	Inc-PCDH17-1
A_24_P273180	1,62761	1,58416	1,030575357	ENST00000548391	649179	XR_425303	PRAMENP
A_21_P0005235	1,52513	1,48168	1,030575357	ENST00000421500	N/A	N/A	N/A
A_22_P00008326	1,55861	1,51517	1,030568213	N/A	N/A	BX461541	Inc-ITIH2-3
A_22_P00011238	1,43269	1,38925	1,030568213	ENST00000455051	101928496	NR_121578	LINC01492
A_21_P0009879	3,23924	3,19581	1,03056107	ENST00000428954	N/A	N/A	N/A
A_24_P280706	9,28894	9,24551	1,03056107	ENST00000379514	10910	NM_006704	SUGT1
A_33_P3461258	1,48129	1,43787	1,030553927	N/A	724068	NR_073421	DEFA11P
A_22_P00006350	1,43639	1,39297	1,030553927	ENST00000531749	N/A	N/A	N/A
A_22_P00002881	1,59583	1,55242	1,030546783	N/A	N/A	N/A	Inc-C4orf21-5
A_33_P3244651	1,55297	1,50956	1,030546783	N/A	N/A	N/A	N/A
A_21_P0004928	1,62583	1,58242	1,030546783	N/A	N/A	N/A	Inc-NT5DC1-4
A_24_P254833	1,6497	1,60629	1,030546783	ENST00000612787	N/A	AB360850	N/A
A_21_P0013041	1,52607	1,48267	1,03053964	N/A	N/A	N/A	XLOC_I2_012745
A_23_P325606	1,43321	1,38983	1,030525354	ENST00000372588	80712	NM_153448	ESX1
A_21_P0011369	1,49563	1,45225	1,030525354	N/A	N/A	N/A	XLOC_I2_004870
A_22_P00004831	1,39117	1,3478	1,030518211	N/A	N/A	BX107063	Inc-CYB561-5
A_21_P0010466	1,66593	1,62256	1,030518211	N/A	N/A	N/A	Inc-PRR5-1
A_21_P0005533	1,41302	1,36965	1,030518211	N/A	N/A	N/A	Inc-PTN-3
A_22_P00016191	1,53761	1,49425	1,030511068	ENST00000569913	N/A	N/A	N/A
A_23_P112220	1,58441	1,54106	1,030503925	ENST00000239316	3641	NM_002195	INSL4
A_22_P00013754	1,61551	1,57216	1,030503925	N/A	N/A	AW205421	Inc-RP11-88J22.1.1-3

A_22_P00016452	1,40947	1,36613	1,030496782	ENST00000517505	101937451	NR_104062	LINC01030
A_22_P00005951	1,65081	1,60747	1,030496782	ENST00000612438	400121	NR_040244	LINC00547
A_22_P00022645	4,20774	4,1644	1,030496782	N/A	N/A	N/A	Inc-EEFSEC-2
A_21_P0008677	1,52239	1,47905	1,030496782	N/A	N/A	N/A	Inc-CHD2-2
A_21_P0003844	1,44598	1,40265	1,030489639	ENST00000504132	N/A	N/A	N/A
A_33_P3418380	1,53242	1,48909	1,030489639	N/A	N/A	N/A	N/A
A_21_P0005679	1,55981	1,51649	1,030482497	N/A	N/A	N/A	Inc-WRN-1
A_32_P68097	1,58585	1,54254	1,030475354	ENST00000395297	51059	NM_015912	FAM135B
A_23_P82775	1,64135	1,59805	1,030468211	ENST00000297316	64321	NM_022454	SOX17
A_22_P00022410	1,70208	1,65878	1,030468211	N/A	100134015	NR_038395	UBOX5-AS1
A_21_P0011712	16,5982	16,5549	1,030468211	ENST00000423096	N/A	N/A	N/A
A_23_P118038	12,3367	12,2934	1,030468211	ENST00000568396	10204	NM_005796	NUTF2
A_33_P3215298	1,43395	1,39066	1,030461069	ENST00000418274	342850	NM_001277333	ANKRD62
A_21_P0008506	1,47495	1,43166	1,030461069	N/A	N/A	N/A	Inc-FOXG1-5
A_21_P0013625	1,59127	1,548	1,030446783	N/A	N/A	N/A	XLOC_I2_015142
A_33_P3621701	8,94792	8,90465	1,030446783	N/A	284933	BC048428	LOC284933
A_22_P00011435	1,64741	1,60415	1,030439641	ENST00000428485	101926924	NR_110655	LINC01375
A_22_P00004139	1,67782	1,63456	1,030439641	N/A	N/A	N/A	Inc-CLDN25-1
A_33_P3262742	1,6436	1,60035	1,030432498	ENST00000309950	92196	NM_001017920	DAPL1
A_23_P48530	1,60969	1,56644	1,030432498	ENST00000307169	84684	NM_032594	INSM2
A_21_P0006258	1,67851	1,63526	1,030432498	N/A	N/A	N/A	Inc-ELAVL2-3
A_22_P00015019	1,51435	1,47112	1,030418214	N/A	N/A	DB272978	Inc-SMPD3-1
A_33_P3391370	1,64309	1,59986	1,030418214	ENST00000312345	282770	NM_001005491	OR10AG1
A_21_P0005016	1,69157	1,64834	1,030418214	N/A	N/A	N/A	Inc-HIST1H2BL-1
A_21_P0012165	1,52316	1,47994	1,030411071	ENST00000437920	N/A	N/A	N/A
A_23_P204564	7,28583	7,24262	1,030403929	ENST00000437004	4659	NM_002480	PPP1R12A
A_21_P0004461	1,63863	1,59543	1,030396787	ENST00000518418	285627	NR_027110	LOC285627
A_21_P0004111	1,48253	1,43933	1,030396787	ENST00000507526	N/A	N/A	N/A
A_21_P0000763	1,59513	1,55193	1,030396787	N/A	100507156	NR_038323	LOC100507156
A_33_P3365676	13,3249	13,2817	1,030396787	ENST00000261875	51495	NM_016395	PTPLAD1
A_21_P0012744	1,5401	1,49691	1,030389645	ENST00000500169	N/A	N/A	N/A
A_21_P0001474	1,42404	1,38086	1,030382503	N/A	N/A	N/A	Inc-CAMK2N1-2
A_32_P16918	1,38664	1,34346	1,030382503	ENST00000536776	56245	NM_019596	C21orf62

A_21_P0005199	1,5806	1,53742	1,030382503	ENST00000434537	100506527	NR_103747	LINC01007
A_22_P00020531	1,65815	1,61499	1,030368219	ENST00000436722	N/A	N/A	N/A
A_33_P3381318	5,98698	5,94383	1,030361077	ENST00000505231	729830	NM_001109977	FAM160A1
A_21_P0009630	1,5168	1,47366	1,030353935	N/A	N/A	N/A	Inc-STAR6-1
A_22_P00002558	4,30759	4,26445	1,030353935	ENST00000577560	101928343	XR_243757	LOC101928343
A_33_P3416196	1,48353	1,44039	1,030353935	N/A	N/A	N/A	N/A
A_21_P0001566	1,63577	1,59263	1,030353935	N/A	N/A	N/A	Inc-VAV3-1
A_21_P0005307	5,16491	5,12178	1,030346793	ENST00000441295	N/A	N/A	N/A
A_22_P00010042	1,40858	1,36545	1,030346793	N/A	N/A	N/A	Inc-MNT-1
A_22_P00025906	1,73721	1,69408	1,030346793	ENST00000448672	N/A	N/A	N/A
A_22_P00003248	1,61621	1,57308	1,030346793	ENST00000567721	102723786	XR_429763	LOC102723786
A_21_P0009858	1,76004	1,71692	1,030339651	N/A	N/A	N/A	Inc-PFDN4-1
A_33_P3333600	1,50664	1,46353	1,03033251	N/A	N/A	EL950728	N/A
A_22_P00021176	1,61332	1,57022	1,030325368	N/A	N/A	N/A	Inc-RNASE6-1
A_33_P3296220	1,44256	1,39947	1,030318226	N/A	N/A	N/A	N/A
A_22_P00006238	1,40259	1,3595	1,030318226	ENST00000564619	N/A	BX537510	N/A
A_21_P0010180	1,46387	1,42079	1,030311085	ENST00000440372	N/A	N/A	N/A
A_33_P3337632	1,65859	1,61551	1,030311085	ENST00000503275	57113	NM_020389	TRPC7
A_21_P0012755	1,52569	1,48262	1,030303943	ENST00000513994	N/A	N/A	N/A
A_21_P0001053	1,70916	1,6661	1,030296802	ENST00000415754	N/A	N/A	N/A
A_33_P3362242	1,4812	1,43814	1,030296802	N/A	N/A	N/A	N/A
A_33_P3313075	1,38354	1,34048	1,030296802	N/A	N/A	N/A	N/A
A_22_P00001735	1,49679	1,45374	1,03028966	N/A	N/A	N/A	Inc-ATIC-9
A_21_P0008330	1,51771	1,47467	1,030282519	N/A	N/A	N/A	Inc-CTAGE5-1
A_33_P3321085	1,53963	1,49659	1,030282519	ENST00000390424	N/A	AB305745	N/A
A_22_P00025919	1,55526	1,51224	1,030268236	N/A	N/A	N/A	Inc-COMMD1-1
A_22_P00014795	1,60399	1,56097	1,030268236	ENST00000569293	N/A	BC024025	N/A
A_22_P00016492	1,43455	1,39153	1,030268236	ENST00000582101	N/A	N/A	N/A
A_21_P0008680	1,70295	1,65994	1,030261095	N/A	N/A	N/A	Inc-MCTP2-3
A_22_P00016950	1,3854	1,3424	1,030253954	N/A	N/A	AI040785	Inc-TSPYL4-1
A_33_P3265704	13,9306	13,8876	1,030253954	ENST00000466373	7353	NM_005659	UFD1L
A_21_P0003890	1,66595	1,62296	1,030246812	N/A	N/A	N/A	Inc-HS3ST1-1
A_22_P00004647	1,57438	1,53139	1,030246812	N/A	N/A	BX110988	Inc-CTC-203F4.1.1-1

A_22_P00005669	1,69989	1,6569	1,030246812	N/A	51352	N/A	WT1-AS
A_22_P00004739	1,40684	1,36386	1,030239671	ENST00000373508	100287792	N/A	LOC100287792
A_21_P0011597	1,38449	1,34151	1,030239671	N/A	N/A	N/A	XLOC_I2_006152
A_21_P0001416	1,51515	1,47218	1,03023253	N/A	N/A	N/A	Inc-ATF3-1
A_23_P130056	1,54253	1,49956	1,03023253	ENST00000615905	57151	NM_020426	LYZL6
A_33_P3288047	1,62945	1,58649	1,030225389	ENST00000369586	N/A	N/A	N/A
A_21_P0010275	1,71553	1,67257	1,030225389	N/A	N/A	N/A	Inc-TIAM1-1
A_33_P3766667	1,67318	1,63022	1,030225389	N/A	391110	AK122667	OR10R3P
A_33_P3373955	1,60808	1,56512	1,030225389	ENST00000367002	343035	NM_183059	RD3
A_22_P00009278	1,43755	1,3946	1,030218248	N/A	N/A	XM_006717866	Inc-LRRC18-1
A_21_P0001450	1,69105	1,6481	1,030218248	N/A	N/A	N/A	Inc-SCCPDH-1
A_24_P21829	1,58125	1,53832	1,030203967	ENST00000326192	283238	NM_173586	SLC22A24
A_21_P0007380	1,42625	1,38332	1,030203967	N/A	N/A	N/A	Inc-FAM181B-3
A_21_P0011180	1,43456	1,39165	1,030189685	ENST00000457591	N/A	N/A	N/A
A_23_P162228	16,4005	16,3576	1,030182544	ENST00000549259	4666	NM_001113203	NACA
A_22_P00004994	1,59676	1,55386	1,030182544	ENST00000565024	N/A	N/A	N/A
A_19_P00808285	1,41896	1,37607	1,030175404	ENST00000435043	100507194	NR_038295	LOC100507194
A_22_P00008342	1,62425	1,58136	1,030175404	ENST00000447860	101927523	N/A	LOC101927523
A_22_P00003455	1,52824	1,48535	1,030175404	ENST00000552532	N/A	N/A	N/A
A_22_P00023258	1,47766	1,43477	1,030175404	N/A	N/A	DB071059	Inc-AL136115.1-2
A_23_P91317	1,5527	1,50981	1,030175404	ENST00000402452	642636	NM_001136566	RAD21L1
A_22_P00006395	1,5437	1,50083	1,030161123	ENST00000567096	N/A	N/A	N/A
A_33_P3356686	1,39489	1,35202	1,030161123	ENST00000431734	401014	N/A	TEX41
A_33_P3236065	1,49537	1,45253	1,030139701	ENST00000348658	51266	NM_016509	CLEC1B
A_22_P00001589	1,59545	1,55261	1,030139701	N/A	N/A	AF085872	Inc-ARMCX3-1
A_22_P00004299	1,61811	1,57528	1,030132561	N/A	N/A	N/A	Inc-CNR1-1
A_21_P0002525	1,51623	1,4734	1,030132561	N/A	N/A	N/A	Inc-PDE1A-1
A_22_P00020970	1,74272	1,69989	1,030132561	ENST00000564199	101927460	NR_109887	LOC101927460
A_21_P0000972	1,74972	1,70689	1,030132561	ENST00000431986	N/A	N/A	N/A
A_33_P3391778	1,55484	1,51201	1,030132561	ENST00000522613	138046	NM_001287243	RALYL
A_22_P00025522	1,56383	1,52101	1,03012542	N/A	440508	N/A	CLEC4GP1
A_24_P158314	6,22004	6,17722	1,03012542	ENST00000463005	84253	NM_032293	GARNL3
A_22_P00006565	1,51091	1,46809	1,03012542	N/A	N/A	N/A	Inc-FLRT3-2

A_22_P00011376	1,71158	1,66877	1,03011828	ENST00000607964	2846	NM_001278000	LPAR4
A_22_P00020519	4,10581	4,063	1,03011828	N/A	100506046	N/A	GAS5-AS1
A_22_P00013744	1,60244	1,55963	1,03011828	ENST00000524708	N/A	N/A	N/A
A_24_P377775	1,4786	1,4358	1,03011114	ENST00000460000	5998	NM_017790	RGS3
A_33_P3398392	1,67902	1,63622	1,03011114	ENST00000370674	2273	N/A	FHL1
A_21_P0013013	1,5229	1,4801	1,03011114	ENST00000419796	N/A	N/A	N/A
A_33_P3366850	1,51842	1,47563	1,030104	ENST00000390442	N/A	AB306031	N/A
A_21_P0006562	1,73787	1,69508	1,030104	N/A	N/A	N/A	Inc-RBM10-1
A_22_P00017305	1,43882	1,39604	1,03009686	N/A	N/A	N/A	Inc-USP20-2
A_33_P3223663	1,54544	1,50266	1,03009686	N/A	N/A	N/A	N/A
A_19_P00805433	1,70763	1,66486	1,03008972	ENST00000457217	101928751	N/A	LOC101928751
A_21_P0009051	1,72693	1,68417	1,03008258	N/A	N/A	N/A	Inc-TK2-4
A_33_P3275070	1,51234	1,46958	1,03008258	N/A	N/A	AK091302	N/A
A_33_P3349404	1,45479	1,41204	1,03007544	ENST00000342247	27443	NM_001290047	CECR2
A_21_P0010472	1,69255	1,64981	1,0300683	N/A	N/A	N/A	Inc-CLDN5-1
A_21_P0007671	1,50363	1,46091	1,03005402	N/A	N/A	N/A	Inc-GPR133-1
A_33_P3225477	4,4954	4,45268	1,03005402	N/A	731075	BU659163	LOC731075
A_33_P3330084	1,44918	1,40646	1,03005402	N/A	N/A	N/A	N/A
A_22_P00006601	1,45132	1,40861	1,03004688	ENST00000506309	N/A	N/A	N/A
A_23_P125596	1,76256	1,71986	1,030039741	ENST00000543399	27330	NM_014496	RPS6KA6
A_23_P259049	1,52542	1,48272	1,030039741	ENST00000505056	51151	NM_016180	SLC45A2
A_33_P3242453	1,38425	1,34156	1,030032601	ENST00000426185	285834	NR_003948	HCG22
A_21_P0003459	1,48383	1,44114	1,030032601	ENST00000504870	101927074	N/A	LINC00682
A_21_P0007266	1,64732	1,60463	1,030032601	N/A	N/A	N/A	Inc-ENDOD1-1
A_22_P00010634	1,67746	1,63477	1,030032601	N/A	N/A	BM678365	Inc-NEBL-1
A_21_P0002324	1,59635	1,55366	1,030032601	N/A	101669767	NR_104321	SCHLAP1
A_22_P00005227	1,4358	1,39311	1,030032601	ENST00000556720	100507242	XR_424548	SNHG23
A_33_P3419204	1,56031	1,51763	1,030025461	N/A	N/A	N/A	N/A
A_33_P3306619	1,70277	1,66009	1,030025461	ENST00000416044	100131902	NM_001128598	KRTAP25-1
A_21_P0005837	1,59048	1,5478	1,030025461	N/A	N/A	N/A	Inc-CYP7A1-1
A_22_P00013334	1,38285	1,34017	1,030025461	N/A	N/A	BF343950	Inc-RP11-148O21.3.1-1
A_22_P00008042	1,58862	1,54594	1,030025461	ENST00000508292	N/A	N/A	N/A
A_23_P53884	1,40187	1,3592	1,030018322	ENST00000379919	4081	NM_005584	MAB21L1

A_23_P140716	1,49375	1,45108	1,030018322	ENST00000211076	23430	NM_012217	TPSD1
A_23_P364444	1,51496	1,47229	1,030018322	ENST00000462493	140876	AK056792	FAM65C
A_22_P00006498	1,59884	1,55617	1,030018322	ENST00000528316	101928443	NR_120530	LOC101928443
A_21_P0005105	1,523	1,48034	1,030011182	N/A	N/A	N/A	Inc-BMP6-8
A_21_P0007969	1,62566	1,58301	1,030004043	ENST00000421423	100505996	NR_120392	LINC00403
A_21_P0000409	1,43864	1,39599	1,030004043	N/A	767590	NR_003205	SNORD114-12
A_22_P00007899	1,51539	1,47275	1,029996903	N/A	N/A	N/A	Inc-HSP90AA1-4
A_22_P00014688	1,49804	1,4554	1,029996903	N/A	100873983	NR_046575	MAGI1-AS1
A_33_P3308497	5,52291	5,48028	1,029989764	ENST00000584747	729096	NR_026592	BMS1P4
A_21_P0002899	1,51367	1,47104	1,029989764	N/A	N/A	N/A	Inc-RP11-432B6.3.1-1
A_22_P00013338	1,48046	1,43783	1,029989764	ENST00000522471	N/A	AK025743	N/A
A_33_P3254335	1,67656	1,63393	1,029989764	ENST00000504360	389206	NM_207406	BEND4
A_22_P00009448	1,38273	1,3401	1,029989764	N/A	N/A	N/A	Inc-M6PR-2
A_33_P3381666	3,83355	3,79093	1,029982625	ENST00000428004	84448	NM_001130088	ABLIM2
A_21_P0008618	1,41269	1,37007	1,029982625	N/A	N/A	N/A	Inc-THBS1-1
A_22_P00001046	1,64261	1,6	1,029975485	N/A	N/A	N/A	Inc-AL591684.1-1
A_22_P00023511	1,5174	1,47479	1,029975485	ENST00000578490	N/A	DA924359	N/A
A_33_P3283954	1,41101	1,3684	1,029975485	ENST00000602826	N/A	N/A	N/A
A_33_P3773168	1,38936	1,34676	1,029968346	N/A	N/A	N/A	Inc-EXOC2-5
A_33_P3281552	3,43563	3,39303	1,029968346	ENST00000378505	6103	NM_001034853	RPGR
A_23_P89123	11,7991	11,7565	1,029968346	ENST00000570279	10428	NM_006324	CFDP1
A_22_P00017460	11,7937	11,7511	1,029968346	ENST00000422723	N/A	N/A	N/A
A_21_P0007988	1,52736	1,48477	1,029961207	ENST00000414161	101929121	NR_126377	LINC00437
A_22_P00024920	1,80633	1,76374	1,029961207	ENST00000455092	N/A	N/A	N/A
A_22_P00002586	1,57482	1,53224	1,029954068	ENST00000567168	101927606	XR_245485	LOC101927606
A_21_P0000982	1,48888	1,4463	1,029954068	ENST00000455038	102723938	N/A	LOC102723938
A_23_P47148	1,64535	1,60277	1,029954068	ENST00000524473	50507	NM_016931	NOX4
A_21_P0002444	1,38768	1,3451	1,029954068	N/A	N/A	N/A	Inc-BCL11A-2
A_21_P0009948	1,58958	1,54701	1,029946929	N/A	N/A	N/A	Inc-SSTR4-3
A_21_P0002597	1,58331	1,54074	1,029946929	N/A	N/A	N/A	Inc-ACTR2-3
A_33_P3416231	8,02554	7,98298	1,02993979	ENST00000487384	3205	NM_152739	HOXA9
A_22_P00015123	1,51187	1,46932	1,029932651	ENST00000569986	101927313	XR_243446	LOC101927313
A_22_P00005985	1,50939	1,46685	1,029925512	N/A	N/A	N/A	Inc-F2RL2-2



A_23_P399897	1,5679	1,52536	1,029925512	ENST00000423778	339855	NM_178554	KY
A_21_P0008058	2,50177	2,45924	1,029918373	N/A	N/A	N/A	Inc-DNAJC15-2
A_33_P3280724	1,4005	1,35797	1,029918373	ENST00000412501	N/A	N/A	N/A
A_22_P00005560	1,50646	1,46393	1,029918373	N/A	285224	N/A	DNAJB8-AS1
A_22_P00018087	1,38344	1,34091	1,029918373	N/A	N/A	N/A	Inc-ZNF366-3
A_33_P3256317	1,38679	1,34426	1,029918373	N/A	730811	NR_024468	MYT1L-AS1
A_22_P00019326	1,39436	1,35183	1,029918373	ENST00000474667	N/A	N/A	N/A
A_21_P0007051	1,56447	1,52195	1,029911234	N/A	N/A	N/A	Inc-APBB1IP-1
A_22_P00017328	1,59342	1,55091	1,029904095	N/A	101928896	NR_120566	LOC101928896
A_21_P0005277	1,5751	1,53259	1,029904095	ENST00000465755	N/A	N/A	N/A
A_23_P154025	12,1193	12,0768	1,029896957	ENST00000409333	6741	NM_003142	SSB
A_21_P0003261	1,40364	1,36114	1,029896957	N/A	N/A	N/A	Inc-NAALADL2-1
A_21_P0010589	1,45977	1,41727	1,029896957	N/A	N/A	N/A	XLOC_I2_000720
A_33_P3404651	9,48819	9,44569	1,029896957	ENST00000484061	57217	NM_001288951	TTC7A
A_21_P0008409	2,80907	2,76658	1,029889818	N/A	N/A	N/A	Inc-STXBP6-1
A_33_P3264528	1,4859	1,44342	1,029882679	N/A	3207	NM_005523	HOXA11
A_21_P0003834	1,54225	1,49978	1,029875541	N/A	N/A	N/A	Inc-POLR2B-1
A_22_P00015432	1,45019	1,40775	1,029854125	N/A	N/A	BE408515	Inc-SSPN-2
A_22_P00000355	4,05391	4,01148	1,029846987	ENST00000554412	N/A	N/A	N/A
A_22_P00005168	1,67185	1,62943	1,029839849	N/A	N/A	DA320973	Inc-DIO2-5
A_21_P0003044	1,55563	1,51321	1,029839849	N/A	102724289	XR_431648	LOC102724289
A_33_P3340454	1,51643	1,47402	1,02983271	N/A	N/A	N/A	N/A
A_21_P0013871	1,62829	1,58588	1,02983271	N/A	N/A	N/A	XLOC_I2_015828
A_23_P319232	1,4882	1,4458	1,029825572	ENST00000242315	23349	BC041169	KIAA1045
A_22_P00010803	1,46804	1,42564	1,029825572	N/A	N/A	AA382521	Inc-NME1-1
A_33_P3346448	1,58679	1,54439	1,029825572	ENST00000373088	27328	NM_032968	PCDH11X
A_23_P50872	13,0654	13,023	1,029825572	ENST00000593353	4713	NM_004146	NDUFB7
A_33_P3293760	6,50035	6,45795	1,029825572	ENST00000334662	386681	NM_198695	KRTAP10-8
A_22_P00012952	1,39727	1,3549	1,029804158	N/A	N/A	N/A	Inc-RECQL5-2
A_21_P0003197	1,65996	1,61759	1,029804158	ENST00000427914	253573	NR_033844	LOC253573
A_33_P3222429	1,38269	1,34033	1,02979702	ENST00000602452	101928601	NM_001282136	MEI4
A_22_P00008359	1,41988	1,37753	1,029789882	ENST00000448859	101929413	N/A	LOC101929413
A_22_P00004054	1,5983	1,55595	1,029789882	N/A	100885796	NR_048544	SLC9A9-AS1

A_22_P00003335	1,43624	1,39389	1,029789882	N/A	N/A	N/A	Inc-CAST-4
A_33_P3245095	1,5922	1,54985	1,029789882	N/A	N/A	AK129612	N/A
A_21_P0009427	1,38555	1,34321	1,029782744	ENST00000584544	N/A	N/A	N/A
A_33_P3400918	1,40463	1,36229	1,029782744	ENST00000317586	27185	NM_001164550	DISC1
A_33_P3254975	1,47456	1,43222	1,029782744	ENST00000621184	N/A	AB306242	N/A
A_22_P00002026	1,5581	1,51577	1,029775606	ENST00000411946	N/A	N/A	N/A
A_22_P00005443	4,23718	4,19486	1,029768468	N/A	N/A	DB065448	Inc-DUSP1-2
A_22_P00009637	1,56623	1,52391	1,029768468	N/A	N/A	N/A	Inc-MARK1-4
A_22_P00010008	1,53044	1,48812	1,029768468	N/A	N/A	BG772604	Inc-MMD-5
A_21_P0014525	1,55013	1,50781	1,029768468	N/A	N/A	BG182803	N/A
A_33_P3336347	1,4399	1,39758	1,029768468	ENST00000371629	101928638	N/A	PRR31
A_33_P3243028	2,10226	2,05994	1,029768468	ENST00000282478	1834	NM_014208	DSPP
A_33_P3266978	1,6724	1,63009	1,02976133	N/A	642597	NM_001145194	C18orf42
A_23_P150595	1,54278	1,50047	1,02976133	ENST00000417164	7166	NM_004179	TPH1
A_21_P0004249	1,55965	1,51734	1,02976133	N/A	N/A	N/A	Inc-PARP8-1
A_22_P00010101	1,57229	1,52998	1,02976133	ENST00000584542	101927877	XR_248399	LOC101927877
A_32_P88262	1,59176	1,54945	1,02976133	ENST00000231706	57709	NM_020949	SLC7A14
A_33_P3255226	1,57693	1,53463	1,029754193	ENST00000566406	N/A	N/A	N/A
A_22_P00005043	1,53525	1,49295	1,029754193	ENST00000524361	100874052	NR_051989	LINC00534
A_21_P0001405	1,49651	1,45421	1,029754193	N/A	N/A	N/A	Inc-NAV1-1
A_21_P0003679	1,53277	1,49048	1,029747055	N/A	N/A	N/A	Inc-CEP44-2
A_33_P3212305	1,56588	1,52359	1,029747055	ENST00000522290	11178	NM_021020	LZTS1
A_33_P3243600	1,5059	1,46361	1,029747055	N/A	N/A	N/A	N/A
A_33_P3423969	1,40308	1,3608	1,029739917	ENST00000306318	2637	NM_001301687	GBX2
A_33_P3637366	1,5321	1,48982	1,029739917	N/A	285547	NR_034054	LINC01097
A_33_P3677050	1,67722	1,63495	1,02973278	ENST00000452343	400957	NR_033980	LINC01185
A_21_P0010490	1,38177	1,3395	1,02973278	ENST00000623919	N/A	XR_430626	N/A
A_23_P4782	3,4093	3,36704	1,029725642	ENST00000222212	59284	NM_031896	CACNG7
A_21_P0002909	1,59726	1,555	1,029725642	ENST00000421034	100505547	N/A	LINC01208
A_33_P3363510	1,47705	1,43479	1,029725642	N/A	N/A	AK126076	Inc-NPHS2-1
A_21_P0009633	1,43875	1,39649	1,029725642	N/A	101927404	XR_245477	LOC101927404
A_21_P0007344	1,58887	1,54662	1,029718505	ENST00000526978	N/A	N/A	N/A
A_33_P3417765	1,4763	1,43406	1,029711367	ENST00000400664	127707	NM_152375	KLHDC7A

A_21_P0000433	1,53765	1,49541	1,029711367	N/A	767565	NR_003233	SNORD113-5
A_21_P0003731	1,72321	1,68097	1,029711367	N/A	N/A	N/A	Inc-SEL1L3-2
A_22_P00005365	1,53203	1,4898	1,02970423	N/A	101928847	NR_120563	LOC101928847
A_22_P00023142	1,60414	1,56191	1,02970423	ENST00000426240	N/A	N/A	N/A
A_22_P00023483	1,5858	1,54358	1,029697092	ENST00000435281	N/A	NR_047024	N/A
A_22_P00021797	1,56273	1,52052	1,029689955	ENST00000424749	100129583	NM_001136570	FAM47E
A_33_P3264416	1,66309	1,62088	1,029689955	ENST00000611520	N/A	HM236769	N/A
A_22_P00018710	1,40207	1,35986	1,029689955	ENST00000558963	N/A	N/A	N/A
A_22_P00009174	1,57231	1,53011	1,029682818	N/A	N/A	BX105782	Inc-LONP2-3
A_21_P0005659	1,53691	1,49473	1,029668544	N/A	N/A	N/A	Inc-KIAA1456.1-1
A_33_P3265404	1,68955	1,64737	1,029668544	ENST00000508201	340094	NR_026994	LINC01020
A_22_P00021385	1,62108	1,57891	1,029661406	N/A	N/A	BX088853	Inc-KLHL31-4
A_22_P00009218	6,05258	6,01042	1,029654269	N/A	N/A	N/A	Inc-LPPR5.1-1
A_22_P00010767	1,63568	1,59353	1,029647132	N/A	N/A	N/A	Inc-NKPD1-1
A_33_P3307247	1,55446	1,51231	1,029647132	ENST00000317704	26289	AK090967	AK5
A_24_P940434	1,40861	1,36648	1,029632859	ENST00000316124	100996455	NR_073177	LOC100996455
A_33_P3343200	1,89458	1,85246	1,029625722	N/A	N/A	N/A	N/A
A_21_P0009373	1,46633	1,42421	1,029625722	N/A	N/A	N/A	Inc-C17orf97-7
A_21_P0001448	1,67157	1,62946	1,029618585	N/A	102724382	XR_425118	LOC102724382
A_22_P00021192	1,7172	1,67509	1,029618585	N/A	N/A	N/A	Inc-HIVEP1-3
A_33_P3318646	15,1627	15,1206	1,029611448	ENST00000467611	50632	NM_015722	CALY
A_33_P3371509	1,45009	1,408	1,029604311	ENST00000405369	101927722	NR_109967	LL22NC03-75H12.2
A_22_P00000192	1,55792	1,51583	1,029604311	N/A	N/A	N/A	Inc-ABI1-4
A_22_P00024109	1,52889	1,4868	1,029604311	N/A	101927870	NR_110141	LOC101927870
A_21_P0009138	2,72731	2,68522	1,029604311	N/A	101928582	XR_424737	LOC101928582
A_33_P3406171	1,40483	1,36274	1,029604311	ENST00000373105	140886	NM_080832	PABPC5
A_33_P3596355	1,4352	1,39314	1,029582902	N/A	644242	BG033631	LINC00622
A_33_P3230444	1,67497	1,63292	1,029575765	ENST00000390639	N/A	BC032733	N/A
A_33_P3281478	4,79793	4,75588	1,029575765	N/A	N/A	N/A	N/A
A_22_P00020896	1,7255	1,68346	1,029568629	N/A	N/A	BX501106	Inc-CRHR2-1
A_21_P0010235	1,51885	1,47682	1,029561492	N/A	N/A	N/A	Inc-OLIG2-1
A_23_P57248	1,57277	1,53074	1,029561492	ENST00000246199	140873	NM_001145350	C20orf173
A_22_P00022724	1,71968	1,67765	1,029561492	ENST00000457448	101927701	N/A	LOC101927701

A_32_P316136	1,67219	1,63016	1,029561492	ENST00000613975	91752	NM_194250	ZNF804A
A_22_P00006926	1,3819	1,33988	1,029554356	N/A	N/A	DD431415	Inc-GATA3-9
A_22_P00023309	1,56071	1,51869	1,029554356	N/A	N/A	N/A	Inc-NDFIP2-1
A_22_P00007560	1,58654	1,54453	1,02954722	N/A	282763	NM_001005567	OR51B5
A_23_P104224	1,61795	1,57594	1,02954722	ENST00000373995	29974	NM_138933	A1CF
A_22_P00008215	1,59594	1,55393	1,02954722	N/A	N/A	DB507006	Inc-IQCG-2
A_32_P184168	1,59832	1,55631	1,02954722	N/A	441052	XR_244755	LOC441052
A_23_P15511	15,5524	15,5104	1,029540083	ENST00000578758	1655	NM_004396	DDX5
A_22_P00025510	1,50239	1,46039	1,029540083	ENST00000513157	101929505	N/A	LOC101929505
A_23_P201400	10,744	10,702	1,029540083	ENST00000541818	5498	NM_000309	PPOX
A_21_P0000701	1,63044	1,58845	1,029532947	N/A	100287010	NR_037885	LOC100287010
A_22_P00017859	1,42828	1,38629	1,029532947	N/A	N/A	BM677029	Inc-ZDHH17-1
A_21_P0014757	1,60738	1,56539	1,029532947	N/A	100506766	AK304201	LOC100506766
A_21_P0007259	1,69604	1,65405	1,029532947	ENST00000581290	N/A	N/A	N/A
A_21_P0003397	1,57805	1,53606	1,029532947	ENST00000503950	N/A	N/A	N/A
A_23_P89543	10,0077	9,96572	1,029525811	ENST00000361413	9851	NM_014804	KIAA0753
A_21_P0014521	1,65095	1,60897	1,029525811	N/A	729658	XR_110196	LOC729658
A_32_P88880	1,59547	1,5535	1,029518675	ENST00000433770	N/A	XR_247507	N/A
A_22_P00015292	1,47149	1,42953	1,029511539	N/A	N/A	N/A	Inc-SPCS3-2
A_21_P0006255	1,74215	1,70019	1,029511539	N/A	N/A	N/A	Inc-PTPRD-5
A_32_P115558	6,51761	6,47566	1,029504403	N/A	N/A	N/A	N/A
A_23_P429950	1,52922	1,48728	1,029497267	ENST00000262648	3730	NM_000216	KAL1
A_23_P61031	1,47463	1,43269	1,029497267	ENST00000465071	79740	NM_024687	ZBBX
A_22_P00024843	1,71894	1,677	1,029497267	N/A	N/A	N/A	Inc-PAXIP1-1
A_22_P00010045	1,44254	1,4006	1,029497267	N/A	100505635	NR_125831	LOC100505635
A_22_P00000521	1,58399	1,54206	1,029490131	ENST00000583982	100287225	NR_040074	LOC100287225
A_33_P3311855	1,60966	1,56773	1,029490131	N/A	N/A	N/A	N/A
A_33_P3350378	1,6743	1,63237	1,029490131	ENST00000308287	341116	NM_206893	MS4A10
A_22_P00025458	2,1548	2,11288	1,029482995	ENST00000543970	N/A	N/A	N/A
A_23_P125588	1,59859	1,55667	1,029482995	ENST00000373031	64102	NM_022144	TNMD
A_21_P0013902	1,43555	1,39364	1,029475859	ENST00000430152	N/A	N/A	N/A
A_23_P385766	1,41904	1,37714	1,029468724	ENST00000311620	257629	NM_145865	ANKS4B
A_23_P139486	13,9276	13,8857	1,029468724	ENST00000261692	8099	NM_004642	CDK2AP1

A_22_P00013661	1,69758	1,65568	1,029468724	N/A	N/A	N/A	Inc-RP11-67H2.1.1-3
A_23_P212706	12,3786	12,3367	1,029468724	ENST00000495756	64422	NM_022488	ATG3
A_22_P00022257	1,92536	1,88347	1,029461588	ENST00000579775	N/A	N/A	N/A
A_21_P0002857	1,49088	1,44899	1,029461588	ENST00000486137	N/A	N/A	N/A
A_22_P00013410	1,73861	1,69672	1,029461588	ENST00000555889	N/A	N/A	N/A
A_24_P251221	9,53085	9,48898	1,029447317	ENST00000261461	5525	NM_006243	PPP2R5A
A_33_P3291939	1,43774	1,39588	1,029440181	ENST00000393504	1261	NM_001298	CNGA3
A_22_P00025179	1,45413	1,41228	1,029433046	N/A	9848	N/A	MFAP3L
A_33_P3391419	1,63305	1,5912	1,029433046	N/A	55084	NM_018013	SOBP
A_33_P3781228	5,53778	5,49593	1,029433046	N/A	101927559	NR_125739	CEBPB-AS1
A_33_P3345974	1,55796	1,51613	1,029418775	N/A	442454	NR_002308	UQCRBP1
A_33_P3292844	8,52727	8,48545	1,029411639	ENST00000242462	50674	NM_020999	NEUROG3
A_23_P11862	10,4852	10,4434	1,029397369	ENST00000413811	55732	NM_018186	C1orf112
A_33_P3261610	10,1485	10,1067	1,029397369	ENST00000622508	84265	NM_032305	POLR3GL
A_21_P0012940	17,9929	17,9511	1,029397369	ENST00000511991	N/A	N/A	N/A
A_24_P347319	1,51507	1,47328	1,029390234	ENST00000350228	3747	NM_139136	KCNC2
A_33_P3368083	1,64034	1,59855	1,029390234	ENST00000612714	138307	NM_178469	LCN8
A_21_P0010409	1,67727	1,63548	1,029390234	ENST00000413244	102724900	XR_425318	LOC102724900
A_33_P3398609	1,63301	1,59122	1,029390234	ENST00000343694	11317	NM_001281448	RBPJL
A_22_P00018830	1,48489	1,44311	1,029383098	N/A	N/A	DB067147	Inc-PANK3-7
A_22_P00013126	1,64162	1,59984	1,029383098	N/A	N/A	BX361587	Inc-RMI1-6
A_21_P0006194	1,43568	1,39392	1,029368828	N/A	N/A	N/A	Inc-RNF20-2
A_21_P0001699	1,59008	1,54832	1,029368828	N/A	N/A	N/A	Inc-UBL4B-1
A_21_P0009069	1,71036	1,6686	1,029368828	N/A	102724084	NR_120307	LOC102724084
A_22_P00014489	1,38122	1,33946	1,029368828	N/A	N/A	N/A	Inc-SHF-3
A_33_P3223059	1,4031	1,36134	1,029368828	N/A	N/A	BG218723	N/A
A_23_P205713	4,57224	4,53048	1,029368828	ENST00000548369	29091	NM_014178	STXBP6
A_22_P00023784	1,69139	1,64965	1,029354558	N/A	N/A	N/A	Inc-CCT8-1
A_21_P0000796	1,6011	1,55936	1,029354558	ENST00000563533	100288079	N/A	GS1-279B7.1
A_23_P413157	1,5721	1,53037	1,029347423	ENST00000379211	254158	NM_152761	CXorf58
A_21_P0002383	1,60389	1,56216	1,029347423	N/A	N/A	N/A	Inc-RNASEH1-4
A_21_P0009435	1,52899	1,48726	1,029347423	ENST00000580756	N/A	N/A	N/A
A_22_P00012159	1,59707	1,55534	1,029347423	ENST00000444708	N/A	N/A	N/A

A_33_P3222807	1,69644	1,65472	1,029340288	ENST00000297423	23514	N/A	SPIDR
A_22_P00018903	1,52996	1,48824	1,029340288	ENST00000555975	N/A	BF530192	N/A
A_21_P0013500	1,56344	1,52173	1,029333154	N/A	N/A	N/A	XLOC_I2_014294
A_33_P3373795	1,45808	1,41638	1,029326019	N/A	N/A	N/A	N/A
A_24_P24770	1,7143	1,6726	1,029326019	ENST00000471295	285335	NM_183061	SLC9C1
A_22_P00003621	1,4362	1,39451	1,029318884	N/A	N/A	N/A	Inc-CD44-2
A_22_P00014911	4,4057	4,36402	1,029311749	N/A	N/A	AI384051	Inc-SLCO2B1-3
A_22_P00024169	1,51473	1,47306	1,029304615	N/A	N/A	BC040916	Inc-C6orf201-1
A_21_P0002951	1,38394	1,34229	1,029290346	N/A	N/A	N/A	Inc-ZNF621-3
A_32_P88635	8,78093	8,73928	1,029290346	ENST00000342104	84224	NM_032264	NBPF3
A_33_P3213767	7,2908	7,24916	1,029283211	N/A	550631	BC018040	CCDC157
A_33_P3377644	1,55248	1,51085	1,029276077	N/A	340595	NM_001004308	ZCCHC16
A_22_P00020766	1,40464	1,36302	1,029268942	ENST00000511279	101927095	XR_241669	LOC101927095
A_22_P00001357	1,38559	1,34397	1,029268942	ENST00000583985	N/A	DB074698	N/A
A_21_P0013445	1,38134	1,33972	1,029268942	ENST00000421513	N/A	N/A	N/A
A_22_P00015690	1,66096	1,61934	1,029268942	ENST00000432834	N/A	N/A	N/A
A_33_P3260712	1,71527	1,67365	1,029268942	ENST00000465419	N/A	N/A	N/A
A_32_P489986	1,7331	1,69149	1,029261808	ENST00000515363	642987	NM_001039763	TMEM232
A_33_P3298057	7,37488	7,33327	1,029261808	ENST00000438979	10057	NM_001023587	ABCC5
A_22_P00018200	1,69288	1,65127	1,029261808	N/A	N/A	N/A	Inc-ZNF624-1
A_33_P3423626	1,56917	1,52756	1,029261808	ENST00000375987	151121	NR_122040	LOC151121
A_33_P3212659	1,58877	1,54717	1,029254674	ENST00000376310	4007	N/A	PRICKLE3
A_21_P0009968	1,57963	1,53803	1,029254674	N/A	N/A	N/A	Inc-ARFGEF2-2
A_24_P167877	17,2046	17,163	1,029254674	ENST00000451409	100132247	NM_001135865	NPIP5
A_23_P422245	1,50562	1,46403	1,02924754	ENST00000329378	285600	NM_173665	KIAA0825
A_21_P0003813	1,60643	1,56484	1,02924754	ENST00000610683	102723766	NR_125933	LOC102723766
A_23_P143526	1,48816	1,44657	1,02924754	ENST00000291700	6285	NM_006272	S100B
A_22_P00024251	1,5482	1,50661	1,02924754	N/A	N/A	N/A	Inc-PAFAH1B2-1
A_21_P0001610	5,86307	5,82149	1,029240405	N/A	N/A	N/A	Inc-FMOD-1
A_33_P3393702	1,40644	1,36487	1,029233271	N/A	N/A	N/A	N/A
A_21_P0006446	1,62896	1,5874	1,029226137	ENST00000456037	N/A	N/A	N/A
A_33_P3285260	8,63313	8,59157	1,029226137	ENST00000493883	N/A	XM_006710101	N/A
A_33_P3414302	1,67189	1,63034	1,029219003	N/A	N/A	N/A	N/A

A_33_P3381836	2,25549	2,21394	1,029219003	ENST00000356972	408187	NM_001001325	SPINK14
A_23_P36905	1,71485	1,67331	1,029211869	ENST00000218721	2862	NM_001507	MLNR
A_33_P3247788	1,52725	1,48572	1,029204735	N/A	100128063	AK128878	LOC100128063
A_33_P3290729	1,51728	1,47575	1,029204735	ENST00000328345	5454	NM_005604	POU3F2
A_33_P3638471	1,58528	1,54375	1,029204735	N/A	6981	BC027954	TRGV7
A_33_P3390024	6,64652	6,605	1,029197601	N/A	23265	NM_001282314	EXOC7
A_22_P00005209	1,38258	1,34107	1,029190468	ENST00000553692	378881	NR_104192	MIR381HG
A_21_P0002813	1,49177	1,45026	1,029190468	ENST00000473893	N/A	N/A	N/A
A_21_P0014752	1,50914	1,46763	1,029190468	N/A	N/A	N/A	N/A
A_23_P83438	12,2939	12,2524	1,029183334	ENST00000513342	65264	NM_023079	UBE2Z
A_33_P3259725	1,7447	1,7032	1,029183334	ENST00000309237	116931	XM_006713487	MED12L
A_33_P3219755	1,45156	1,41006	1,029183334	N/A	647024	NM_001164446	C6orf132
A_21_P0004314	1,52972	1,48822	1,029183334	N/A	N/A	N/A	Inc-TCOF1-1
A_21_P0002962	5,61437	5,57288	1,0291762	N/A	N/A	N/A	Inc-FLNB-1
A_22_P00007114	1,63918	1,59769	1,0291762	ENST00000449842	400799	NR_104175	LINC01344
A_23_P211699	1,52427	1,48278	1,0291762	N/A	N/A	N/A	N/A
A_22_P00002163	1,72796	1,68648	1,029169066	N/A	102723418	XR_424494	LOC102723418
A_33_P3213144	1,59523	1,55375	1,029169066	ENST00000302231	219429	NM_001004700	OR4C11
A_21_P0004496	1,48258	1,4411	1,029169066	N/A	N/A	N/A	Inc-CDH6-2
A_21_P0006465	1,70625	1,66477	1,029169066	N/A	N/A	N/A	Inc-GPR101-1
A_22_P00002135	1,69776	1,65629	1,029161933	ENST00000433664	N/A	N/A	N/A
A_21_P0001438	1,55099	1,50952	1,029161933	N/A	N/A	N/A	Inc-KIAA1383-1
A_21_P0003000	1,57473	1,53328	1,029147666	N/A	N/A	N/A	Inc-OR5AC2-1
A_22_P00020173	1,69766	1,65623	1,029133399	N/A	N/A	CA442247	Inc-FOXJ3-1
A_23_P169909	1,59382	1,5524	1,029126265	ENST00000494390	9162	NM_004717	DGKI
A_24_P75127	1,59782	1,55641	1,029119132	ENST00000487727	256158	NM_001291815	HMCN2
A_21_P0007551	1,56355	1,52214	1,029119132	N/A	N/A	N/A	Inc-C12orf68-1
A_21_P0004146	1,52355	1,48214	1,029119132	N/A	N/A	N/A	Inc-ZBED3-1
A_21_P0013542	1,55591	1,51451	1,029111999	ENST00000523987	N/A	N/A	N/A
A_33_P3324934	1,64596	1,60456	1,029111999	ENST00000370991	60437	AF169690	CDH26
A_21_P0007685	1,53234	1,49095	1,029104866	N/A	N/A	N/A	Inc-A2M-1
A_22_P00022154	1,42311	1,38172	1,029104866	ENST00000450586	N/A	N/A	N/A
A_22_P00015759	1,53479	1,49341	1,029097732	ENST00000583148	N/A	DB210687	N/A

A_22_P00020831	1,57577	1,53439	1,029097732	ENST00000502861	N/A	N/A	N/A
A_22_P00021499	1,51953	1,47815	1,029097732	ENST00000561802	N/A	N/A	N/A
A_22_P00017155	1,67946	1,63808	1,029097732	N/A	N/A	N/A	Inc-UBE2R2-1
A_23_P424727	1,56617	1,5248	1,029090599	ENST00000409530	22941	AF141901	SHANK2
A_21_P0011954	1,44362	1,40225	1,029090599	N/A	102725139	XR_432428	LOC102725139
A_22_P00008457	1,54337	1,502	1,029090599	ENST00000517983	N/A	N/A	N/A
A_24_P937317	1,47999	1,43864	1,029076333	ENST00000377035	386653	NM_001014336	IL31
A_22_P00003478	1,51169	1,47034	1,029076333	N/A	N/A	N/A	Inc-CCDC71L-1
A_33_P3224882	1,53722	1,49587	1,029076333	ENST00000444775	N/A	Z11260	N/A
A_21_P0000024	1,46119	1,41985	1,0290692	ENST00000539099	2321	NM_001160031	FLT1
A_21_P0008988	1,46025	1,41891	1,0290692	N/A	N/A	N/A	Inc-FOX1-3
A_21_P0005729	1,54642	1,50508	1,0290692	ENST00000519412	N/A	N/A	N/A
A_21_P0006198	1,58548	1,54415	1,029062067	N/A	N/A	N/A	Inc-SLC44A1-1
A_22_P00013516	1,55109	1,50976	1,029062067	ENST00000567415	100528021	NM_001199760	ST20-MTHFS
A_21_P0010931	1,4503	1,40898	1,029054934	ENST00000454424	282980	N/A	LINC00700
A_24_P121846	1,54954	1,50822	1,029054934	ENST00000599148	7691	NM_003433	ZNF132
A_21_P0004287	1,52714	1,48583	1,029047801	N/A	N/A	N/A	Inc-LVRN.1-1
A_22_P00011749	1,62626	1,58495	1,029047801	ENST00000515805	N/A	N/A	N/A
A_33_P6817118	1,66225	1,62094	1,029047801	ENST00000486824	23145	NM_198455	SSPO
A_21_P0004232	1,50628	1,46498	1,029040669	N/A	102723499	XR_425840	LOC102723499
A_22_P00022913	1,68779	1,64649	1,029040669	N/A	N/A	AA393510	Inc-CYB561-3
A_21_P0004055	1,38037	1,33908	1,029033536	ENST00000596736	102467226	NR_104999	LOC102467226
A_24_P238257	1,44936	1,40808	1,029026403	ENST00000409464	284071	NM_001145080	C17orf104
A_21_P0000798	1,70798	1,66671	1,029019271	N/A	100505624	NR_038427	GTF3C2-AS1
A_21_P0005070	1,43665	1,39538	1,029019271	N/A	N/A	N/A	Inc-FBXO5-1
A_33_P3397496	1,56531	1,52405	1,029012138	ENST00000367412	2165	NM_001994	F13B
A_33_P3267799	1,54745	1,50619	1,029012138	ENST00000617098	11006	NM_001278426	LILRB4
A_22_P00001290	1,56214	1,52088	1,029012138	ENST00000419326	N/A	N/A	N/A
A_22_P00007210	1,53874	1,49748	1,029012138	ENST00000426840	101927224	NR_120414	LINC01049
A_21_P0008082	1,60161	1,56037	1,028997873	N/A	N/A	N/A	Inc-KLF5-2
A_21_P0005253	1,5923	1,55107	1,02899074	ENST00000413406	N/A	N/A	N/A
A_22_P00001418	1,46467	1,42344	1,02899074	ENST00000532199	N/A	N/A	N/A
A_33_P3299376	1,73183	1,69062	1,028976476	N/A	N/A	N/A	N/A



A_22_P00012630	1,56644	1,52524	1,028969343	N/A	N/A	N/A	Inc-PTTG1-3
A_23_P33723	1,64321	1,60201	1,028969343	ENST00000396620	9332	NM_004244	CD163
A_33_P3273000	10,6425	10,6013	1,028969343	N/A	2185	AK128371	PTK2B
A_22_P00005853	1,59137	1,55019	1,028955079	ENST00000617093	286083	NR_111948	LOC286083
A_21_P0003870	1,44407	1,40289	1,028955079	N/A	N/A	N/A	Inc-CYP4V2-1
A_21_P0004475	1,66686	1,62569	1,028947947	N/A	N/A	N/A	Inc-PROP1-3
A_23_P375165	1,56788	1,52671	1,028947947	ENST00000333437	400629	NM_207459	TEX19
A_21_P0007413	1,38297	1,34181	1,028940815	N/A	N/A	N/A	Inc-BLID-2
A_21_P0003617	1,74033	1,69918	1,028933683	N/A	N/A	N/A	Inc-LPHN3-6
A_21_P0013972	1,57068	1,52953	1,028933683	N/A	N/A	N/A	N/A
A_22_P00024690	1,3903	1,34915	1,028933683	ENST00000584896	N/A	DB117109	N/A
A_21_P0006479	1,54211	1,50097	1,028926551	N/A	N/A	N/A	Inc-CXorf28-1
A_24_P84396	4,4591	4,41799	1,028905155	ENST00000611615	57214	NM_018689	CEMIP
A_33_P3278279	1,71171	1,6706	1,028905155	N/A	255220	NM_001286947	TXNDC8
A_23_P202587	10,5999	10,5588	1,028898023	ENST00000497044	57698	NM_018330	KIAA1598
A_22_P00012900	10,1958	10,1547	1,028898023	N/A	5936	NM_001198844	RBM4
A_22_P00016723	1,60667	1,56557	1,028898023	N/A	N/A	N/A	Inc-TRAPPC8-1
A_23_P255876	1,67575	1,63465	1,028898023	ENST00000614641	27019	NM_012144	DNAI1
A_33_P3250178	1,68054	1,63945	1,028890891	ENST00000397832	654502	NM_001042706	IQCJ
A_22_P00010783	1,64202	1,60094	1,02888376	N/A	N/A	N/A	Inc-NKX6-3-2
A_21_P0004489	1,55428	1,5132	1,02888376	N/A	102723499	XR_425840	LOC102723499
A_33_P3332150	1,42293	1,38186	1,028876628	N/A	403314	NM_203454	APOBEC4
A_22_P00008779	1,50359	1,46253	1,028869496	N/A	N/A	AI205794	Inc-KIF23-1
A_22_P00014583	1,40203	1,36098	1,028862365	ENST00000513023	100505545	NR_038331	LINC01095
A_22_P00008687	1,43276	1,39171	1,028862365	N/A	285962	NR_015392	WEE2-AS1
A_22_P00018074	1,65352	1,61248	1,028855233	ENST00000564417	N/A	U58667	N/A
A_32_P504673	1,54364	1,5026	1,028855233	ENST00000624740	57055	NM_001005786	DAZZ
A_22_P00005440	1,58992	1,5489	1,028840971	N/A	N/A	N/A	Inc-DUPD1-1
A_33_P3225258	1,44286	1,40184	1,028840971	ENST00000616556	207147	N/A	TRY2P
A_19_P00801416	1,67362	1,6326	1,028840971	N/A	N/A	N/A	Inc-BBS12-1
A_23_P386310	1,46339	1,42238	1,028833839	ENST00000256906	59340	NM_021624	HRH4
A_23_P389532	1,50726	1,46625	1,028833839	ENST00000297307	146861	NM_152462	SLC35G3
A_22_P00017310	1,62805	1,58704	1,028833839	ENST00000602505	388815	NR_027791	MIR99AHG

A_21_P0002884	1,60113	1,56012	1,028833839	ENST00000506934	N/A	N/A	N/A
A_23_P127613	11,3316	11,2906	1,028826708	ENST00000531290	51399	NM_016146	TRAPPC4
A_22_P00002451	1,84174	1,80074	1,028826708	N/A	N/A	N/A	Inc-C15orf2-8
A_21_P0000070	1,63786	1,59687	1,028819577	ENST00000443369	3556	NM_001167931	IL1RAP
A_22_P00000692	1,41207	1,37108	1,028819577	ENST00000603540	8747	NM_003813	ADAM21
A_33_P3744415	1,37928	1,33831	1,028805314	ENST00000431422	154092	N/A	LINC01010
A_22_P00014198	1,67446	1,6335	1,028798183	N/A	N/A	N/A	Inc-SEBOX-1
A_33_P3208975	1,55764	1,51668	1,028798183	ENST00000322101	119692	NM_001004758	OR51S1
A_21_P0008876	1,52677	1,48581	1,028798183	ENST00000562180	N/A	XR_243482	N/A
A_33_P3236222	1,62553	1,58457	1,028798183	ENST00000515381	N/A	N/A	N/A
A_32_P208350	1,42778	1,38683	1,028791052	ENST00000557332	122402	NM_153046	TDRD9
A_21_P0005380	1,53452	1,49357	1,028791052	N/A	N/A	N/A	Inc-POM121L12-4
A_33_P3265239	1,64423	1,60328	1,028791052	ENST00000496337	93432	NM_001293626	LOC93432
A_21_P0006771	1,438	1,39705	1,028791052	ENST00000445450	84858	NR_120651	ZNF503
A_32_P19294	1,67694	1,636	1,028783921	ENST00000441390	144423	NM_144669	GLT1D1
A_33_P3290011	1,66545	1,62451	1,028783921	ENST00000424859	375612	NM_199000	LHFPL3
A_21_P0004761	1,6671	1,62616	1,028783921	ENST00000430931	N/A	N/A	N/A
A_23_P66552	1,51155	1,47062	1,02877679	ENST00000158009	54752	NM_017559	FNDC8
A_21_P0010826	1,70211	1,66118	1,02877679	N/A	N/A	N/A	Inc-ZNF22-2
A_21_P0011312	5,06815	5,02722	1,02877679	ENST00000624918	N/A	N/A	N/A
A_22_P00008877	1,57037	1,52946	1,028762528	N/A	N/A	N/A	Inc-KLHL25-3
A_33_P3351371	1,43822	1,39731	1,028762528	ENST00000405011	1588	NM_031226	CYP19A1
A_33_P3328883	1,38772	1,34681	1,028762528	ENST00000538528	100128124	NM_001129895	HGC6.3
A_22_P00001251	1,45919	1,41829	1,028755398	N/A	N/A	N/A	Inc-ANKRD33B-1
A_23_P30884	14,8212	14,7803	1,028755398	ENST00000614673	1192	NM_001288	CLIC1
A_22_P00022823	1,69714	1,65625	1,028748267	ENST00000432984	N/A	N/A	N/A
A_22_P00004069	1,49914	1,45826	1,028741136	N/A	N/A	DA725978	Inc-CHTF8-2
A_21_P0013707	1,57469	1,53381	1,028741136	N/A	N/A	N/A	Inc-GAPVD1-1
A_21_P0004019	1,53208	1,4912	1,028741136	N/A	N/A	N/A	Inc-THBS4-2
A_21_P0001691	1,71833	1,67746	1,028734005	N/A	N/A	N/A	Inc-IFI44-2
A_21_P0005883	1,67652	1,63565	1,028734005	N/A	N/A	N/A	Inc-RP11-778D12.2.1-2
A_33_P3345796	5,13388	5,09302	1,028726875	ENST00000368979	8724	BC016863	SNX3
A_21_P0006442	1,41432	1,37347	1,028719744	ENST00000391359	N/A	N/A	N/A

A_23_P377965	6,3679	6,32705	1,028719744	ENST00000581067	147525	NR_026849	LINC00526
A_21_P0003343	1,38629	1,34545	1,028712614	ENST00000515188	N/A	N/A	N/A
A_21_P0006101	1,55871	1,51787	1,028712614	ENST00000453455	N/A	N/A	N/A
A_21_P0005702	1,51775	1,47693	1,028698353	N/A	N/A	N/A	Inc-RAB2A-2
A_21_P0008168	1,65563	1,61482	1,028691222	N/A	N/A	N/A	Inc-DIAPH3-6
A_32_P355943	1,52602	1,48522	1,028684092	ENST00000294854	353299	NM_001137669	RGSL1
A_22_P00006333	1,54439	1,5036	1,028676962	N/A	N/A	DT219892	Inc-FANCF-3
A_22_P00025625	1,53426	1,49348	1,028669832	N/A	N/A	DT215570	Inc-AP000783.1.1-2
A_21_P0005284	1,52083	1,48007	1,028655571	ENST00000438923	N/A	N/A	N/A
A_33_P3538688	1,67473	1,63397	1,028655571	N/A	N/A	N/A	N/A
A_22_P00016410	1,54005	1,4993	1,028648441	N/A	N/A	BC033531	Inc-TMEM22-1
A_22_P00004008	1,38658	1,34583	1,028648441	N/A	101927518	XR_245083	LOC101927518
A_24_P124349	1,37917	1,33843	1,028641311	ENST00000302251	80310	NM_025208	PDGFD
A_21_P0002381	1,45704	1,41631	1,028634181	N/A	N/A	N/A	Inc-MYT1L-1
A_33_P3252839	1,47273	1,43201	1,028627051	ENST00000425474	646282	NR_036679	AZGP1P1
A_22_P00015362	1,53356	1,49284	1,028627051	ENST00000562063	N/A	N/A	N/A
A_21_P0010598	4,1656	4,12489	1,028619921	ENST00000443270	N/A	N/A	N/A
A_23_P42897	1,64849	1,60778	1,028619921	ENST00000620571	8972	NM_004668	MGAM
A_33_P3283117	1,47332	1,43261	1,028619921	N/A	N/A	N/A	N/A
A_23_P388124	1,6851	1,6444	1,028612792	ENST00000308666	225	NM_005164	ABCD2
A_21_P0000903	1,42296	1,38226	1,028612792	N/A	100505782	NR_040111	LOC100505782
A_33_P3297823	1,63392	1,59322	1,028612792	N/A	102723802	XR_425091	LOC102723802
A_22_P00011952	1,71366	1,67296	1,028612792	ENST00000521879	N/A	BG182387	N/A
A_21_P0002093	1,70675	1,66606	1,028605662	N/A	101927709	N/A	LOC101927709
A_23_P18518	1,47426	1,43359	1,028591402	ENST00000310754	133022	NM_152402	TRAM1L1
A_33_P3469673	1,67704	1,63637	1,028591402	N/A	284576	NR_038425	LEMD1-AS1
A_23_P150979	8,2558	8,21515	1,028577143	ENST00000308796	118430	NM_058173	MUCL1
A_22_P00009245	1,6688	1,62816	1,028570014	N/A	N/A	DA734982	Inc-LRMP-2
A_33_P3831099	1,40694	1,3663	1,028570014	N/A	401433	AK127717	LOC401433
A_23_P55286	1,52787	1,48723	1,028570014	ENST00000247271	4974	NM_002544	OMG
A_21_P0010717	1,44175	1,40111	1,028570014	ENST00000430394	337875	NR_027337	HIST2H2BA
A_21_P0003774	1,59268	1,55205	1,028562884	N/A	N/A	N/A	Inc-PCDH18-1
A_23_P155848	1,54186	1,50124	1,028555755	ENST00000285311	27123	NM_014421	DKK2

A_22_P00003599	1,63067	1,59005	1,028555755	N/A	N/A	N/A	Inc-CD226-2
A_21_P0013112	1,51062	1,47001	1,028548625	N/A	N/A	N/A	XLOC_I2_013162
A_23_P127288	1,70935	1,66875	1,028541496	ENST00000379954	3559	NM_000417	IL2RA
A_21_P0014142	1,56333	1,52274	1,028534367	N/A	100506495	NR_103553	LIFR-AS1
A_22_P00020567	1,63534	1,59475	1,028534367	N/A	282706	NR_040247	DAOA-AS1
A_21_P0009707	1,55649	1,5159	1,028534367	ENST00000585739	100996665	NR_110675	LINC01533
A_21_P0007050	1,75816	1,71757	1,028534367	N/A	N/A	N/A	Inc-GPR158-2
A_33_P3286864	1,49609	1,45551	1,028527238	ENST00000381648	51761	NM_016529	ATP8A2
A_22_P00009261	1,45305	1,41247	1,028527238	N/A	N/A	N/A	Inc-LRP5L-4
A_21_P0000810	1,52832	1,48774	1,028527238	N/A	100507389	NR_038455	LOC100507389
A_33_P3285815	1,46834	1,42778	1,028512979	ENST00000372665	140870	N/A	WFDC6
A_21_P0013399	7,20911	7,16855	1,028512979	ENST00000429679	100289187	NM_001195541	GS1-259H13.2
A_32_P19519	1,38266	1,34211	1,02850585	ENST00000511465	728175	N/A	LOC728175
A_21_P0010097	1,50483	1,46429	1,028498721	N/A	N/A	N/A	Inc-ZNF831-1
A_33_P3853081	1,48507	1,44454	1,028491592	N/A	228	M21191	ALDOAP2
A_22_P00000982	1,68388	1,64336	1,028484463	N/A	N/A	N/A	Inc-AL136219.1-3
A_21_P0005826	2,57	2,52948	1,028484463	N/A	N/A	N/A	Inc-ZMAT4-2
A_33_P3279515	2,91044	2,86992	1,028484463	N/A	729451	XR_424503	LOC729451
A_21_P0006473	1,74005	1,69954	1,028477334	N/A	N/A	N/A	Inc-PLCXD1-2
A_21_P0006518	1,55556	1,51505	1,028477334	N/A	101928832	XR_244520	LOC101928832
A_32_P489959	1,50472	1,46422	1,028470206	ENST00000347077	339327	NM_178544	ZNF546
A_21_P0002184	1,5249	1,48441	1,028463077	N/A	N/A	N/A	Inc-NCOA1-1
A_33_P3386344	7,98923	7,94874	1,028463077	ENST00000563513	2175	NM_001018112	FANCA
A_22_P00020490	1,39011	1,34962	1,028463077	N/A	N/A	BG204125	Inc-NSRP1-1
A_22_P00020411	1,53028	1,48979	1,028463077	N/A	N/A	N/A	Inc-PINK1-1
A_22_P00013003	1,3888	1,34831	1,028463077	N/A	N/A	AL079817	Inc-RFWD2-2
A_21_P0012976	1,41378	1,37329	1,028463077	N/A	285696	N/A	LOC285696
A_33_P3709150	1,6505	1,61001	1,028463077	ENST00000296946	6862	NM_003181	T
A_21_P0010011	1,46271	1,42223	1,028455948	N/A	N/A	N/A	Inc-FOXA2-7
A_32_P464135	1,44308	1,40262	1,028441691	ENST00000508860	117154	NM_053281	DACH2
A_21_P0006220	2,49247	2,45201	1,028441691	N/A	N/A	N/A	Inc-RP11-295D22.1.1-6
A_33_P3406861	4,19736	4,1569	1,028441691	ENST00000284776	8470	NM_001270771	SORBS2
A_22_P00017315	1,42512	1,38467	1,028434562	ENST00000559379	102723344	NR_120375	LOC102723344

A_23_P137573	1,50248	1,46203	1,028434562	ENST00000616737	7044	NM_003240	LEFTY2
A_22_P00009682	1,96515	1,9247	1,028434562	N/A	N/A	BC039504	Inc-MBL2-5
A_21_P0012421	1,52936	1,48892	1,028427434	N/A	N/A	N/A	XLOC_I2_010056
A_21_P0001909	1,44097	1,40053	1,028427434	ENST00000437837	N/A	N/A	N/A
A_21_P0009445	1,64694	1,6065	1,028427434	N/A	N/A	N/A	Inc-AP001496.1-8
A_22_P00009856	1,50386	1,46344	1,028413177	ENST00000566236	N/A	DB514867	N/A
A_23_P201386	10,9257	10,8853	1,02839892	ENST00000426972	23576	NM_012137	DDAH1
A_22_P00010317	1,68281	1,64241	1,02839892	ENST00000570223	285834	NR_003948	HCG22
A_21_P0006341	1,57218	1,53178	1,02839892	ENST00000478913	203238	N/A	CCDC171
A_24_P358084	10,1683	10,1279	1,02839892	ENST00000532936	N/A	N/A	N/A
A_21_P0001526	1,46922	1,42882	1,02839892	N/A	101927656	XR_246359	LOC101927656
A_22_P00001036	1,44381	1,40342	1,028391792	ENST00000422527	N/A	N/A	N/A
A_24_P727501	8,37113	8,33074	1,028391792	ENST00000530759	N/A	AK054718	N/A
A_33_P3297853	1,42727	1,38688	1,028391792	ENST00000374088	80709	NM_030767	AKNA
A_33_P3243832	1,62666	1,58627	1,028391792	ENST00000409211	9839	NM_014795	ZEB2
A_23_P329768	1,49859	1,45821	1,028384663	ENST00000234142	9687	NM_014668	GREB1
A_33_P3423210	1,54858	1,5082	1,028384663	N/A	N/A	N/A	N/A
A_23_P344568	1,56173	1,52136	1,028377535	ENST00000280057	220108	NM_145019	FAM124A
A_22_P00025541	1,71668	1,67631	1,028377535	ENST00000620267	342372	NM_181536	PKD1L3
A_32_P225345	1,37913	1,33876	1,028377535	ENST00000375618	399949	NM_207430	C11orf88
A_21_P0002146	1,58895	1,54858	1,028377535	ENST00000416509	N/A	N/A	N/A
A_33_P3310625	1,58944	1,54907	1,028377535	ENST00000390467	N/A	AB306057	N/A
A_21_P0000414	1,52419	1,48382	1,028377535	N/A	767595	NR_003210	SNORD114-17
A_33_P3217700	1,69976	1,65939	1,028377535	ENST00000338981	8287	NM_004654	USP9Y
A_22_P00017197	1,67837	1,63801	1,028370407	N/A	101927121	XR_247933	LOC101927121
A_22_P00013098	1,50864	1,46828	1,028370407	ENST00000542821	N/A	N/A	N/A
A_21_P0007831	1,46788	1,42753	1,028363279	N/A	283463	N/A	MUC19
A_24_P463929	1,37818	1,33783	1,028363279	N/A	100507203	NM_001195597	SMLR1
A_22_P00024123	1,47944	1,43911	1,028349023	N/A	N/A	N/A	Inc-GSN-2
A_24_P403561	9,506	9,46567	1,028349023	ENST00000529604	4038	NM_002334	LRP4
A_21_P0001830	1,67315	1,63282	1,028349023	ENST00000433810	103752554	N/A	MYCNUT
A_24_P84970	9,4905	9,45018	1,028341895	ENST00000505048	N/A	N/A	N/A
A_23_P24688	1,58924	1,54892	1,028341895	ENST00000527482	N/A	DW009619	N/A

A_33_P3409939	1,52349	1,48317	1,028341895	ENST00000398291	346562	NM_001102386	GNAT3
A_33_P3244574	1,65889	1,61858	1,028334767	N/A	100128675	NR_024562	HPN-AS1
A_21_P0007683	1,56649	1,52618	1,028334767	N/A	N/A	N/A	Inc-VWF-3
A_33_P3266873	11,2103	11,17	1,028327639	ENST00000339569	339287	NM_001012241	MSL1
A_23_P156261	1,79033	1,75003	1,028327639	ENST00000462581	2741	NM_000171	GLRA1
A_32_P232808	1,58766	1,54736	1,028327639	ENST00000612804	284412	NR_029390	LOC284412
A_22_P00022644	1,54941	1,50911	1,028327639	ENST00000564561	N/A	N/A	N/A
A_21_P0003601	1,42257	1,38228	1,028320511	N/A	N/A	N/A	Inc-KLF3-4
A_24_P21752	9,91759	9,87731	1,028313384	ENST00000438907	84897	NM_032811	TBRG1
A_22_P00001900	1,68644	1,64617	1,028306256	N/A	100652770	NR_045216	DSG2-AS1
A_21_P0004903	1,65241	1,61215	1,028299128	N/A	N/A	N/A	Inc-TPBG-3
A_22_P00017378	1,62786	1,5876	1,028299128	N/A	N/A	N/A	Inc-UVRAG-1
A_23_P351168	1,72696	1,6867	1,028299128	ENST00000307221	150353	NM_145174	DNAJB7
A_21_P0007234	1,50514	1,46489	1,028292001	N/A	N/A	N/A	Inc-P2RY2-3
A_23_P83175	1,63563	1,59539	1,028284873	ENST00000488436	401494	NM_001010915	PTPLAD2
A_23_P166616	1,58614	1,54591	1,028277746	ENST00000402260	185	NM_031850	AGTR1
A_21_P0008683	1,53981	1,49958	1,028277746	N/A	N/A	N/A	Inc-NR2F2-8
A_21_P0012592	1,50274	1,46251	1,028277746	N/A	N/A	N/A	XLOC_I2_010717
A_22_P00023968	8,76082	8,7206	1,028270618	ENST00000514043	101928532	XR_241665	LOC101928532
A_21_P0005127	1,50719	1,46697	1,028270618	N/A	N/A	N/A	Inc-LACE1-2
A_32_P111336	1,37835	1,33813	1,028270618	N/A	101926934	XR_242030	LOC101926934
A_23_P215051	11,8549	11,8147	1,028256363	ENST00000474289	55862	NM_018479	ECHDC1
A_33_P3424187	2,38524	2,34505	1,028249236	ENST00000378909	138715	NM_001017363	ARID3C
A_24_P158285	1,44929	1,4091	1,028249236	ENST00000612124	1539	AK313349	CYLC2
A_22_P00008249	1,60279	1,5626	1,028249236	ENST00000601250	100506542	NR_103859	LINC01082
A_22_P00016063	1,66319	1,623	1,028249236	N/A	N/A	N/A	Inc-THAP10-1
A_23_P2052	1,55681	1,51662	1,028249236	ENST00000300762	56547	NM_021801	MMP26
A_22_P00017820	1,50904	1,46886	1,028242109	N/A	N/A	N/A	Inc-ZBTB7C-1
A_21_P0004776	1,44301	1,40284	1,028234982	ENST00000430672	N/A	N/A	N/A
A_22_P00024743	1,51171	1,47155	1,028227854	N/A	N/A	N/A	Inc-TBC1D30-1
A_33_P3378972	1,38898	1,34882	1,028227854	ENST00000404895	137970	NM_080872	UNC5D
A_33_P3507270	1,61802	1,57786	1,028227854	ENST00000394835	374786	NM_198529	EFCAB5
A_22_P00004247	1,52062	1,48046	1,028227854	ENST00000450397	N/A	N/A	N/A

A_21_P0012489	1,57019	1,53004	1,028220727	ENST00000435651	N/A	N/A	N/A
A_22_P00022981	6,45136	6,41122	1,0282136	ENST00000538324	28	NM_020469	ABO
A_22_P00003118	3,50491	3,46477	1,0282136	N/A	101928525	NR_121579	LOC101928525
A_22_P00011754	1,60013	1,56	1,028206473	N/A	N/A	BU187959	Inc-PEX2-2
A_21_P0007061	1,53923	1,49911	1,028199346	N/A	102724768	XR_424124	LOC102724768
A_21_P0002375	1,56803	1,52791	1,028199346	ENST00000445534	N/A	N/A	N/A
A_23_P121806	11,2788	11,2387	1,028185093	ENST00000505846	58478	NM_021204	ENOPH1
A_33_P3341234	12,726	12,6859	1,028185093	ENST00000355621	7328	NM_003344	UBE2H
A_21_P0009958	1,53422	1,49412	1,028185093	N/A	N/A	N/A	Inc-PI3-1
A_23_P148422	1,38446	1,34436	1,028185093	ENST00000356768	9468	NM_004845	PCYT1B
A_21_P0013424	1,67477	1,63468	1,028177966	ENST00000412996	N/A	N/A	N/A
A_21_P0002451	1,69832	1,65823	1,028177966	N/A	N/A	N/A	Inc-TMEM17-2
A_22_P00021708	1,66679	1,62671	1,028170839	ENST00000533106	N/A	N/A	N/A
A_22_P00016372	1,48531	1,44523	1,028170839	ENST00000606068	N/A	N/A	N/A
A_24_P110284	1,64177	1,6017	1,028163712	ENST00000598153	497049	NR_024372	FLJ25758
A_22_P00022580	1,52271	1,48264	1,028163712	N/A	100129427	NR_033845	DDC-AS1
A_22_P00012515	1,46071	1,42064	1,028163712	ENST00000564455	N/A	N/A	N/A
A_21_P0010918	1,58314	1,54307	1,028163712	ENST00000450980	200150	NM_152666	PLD5
A_22_P00001989	2,01497	1,97491	1,028156586	N/A	N/A	N/A	Inc-BCL3-1
A_22_P00003975	1,62324	1,58318	1,028156586	ENST00000554318	N/A	DB444431	N/A
A_22_P00011799	1,7	1,65997	1,028135206	N/A	N/A	N/A	Inc-PGPEP1L-2
A_22_P00022895	1,50677	1,46674	1,028135206	ENST00000552046	N/A	N/A	N/A
A_33_P3270514	1,55629	1,51627	1,028128079	N/A	79804	NR_003679	HAND2-AS1
A_24_P401615	1,56889	1,52887	1,028128079	ENST00000437300	343071	NM_001039361	PRAMEF10
A_19_P00803225	1,55169	1,51168	1,028120953	N/A	N/A	N/A	Inc-TREML1-1
A_21_P0002709	1,46146	1,42145	1,028120953	ENST00000491329	254827	N/A	NAALADL2
A_22_P00002035	1,57126	1,53126	1,028113827	N/A	N/A	N/A	Inc-BHLHE22-3
A_24_P178444	11,9752	11,9352	1,028113827	ENST00000526512	N/A	N/A	N/A
A_23_P434430	5,66215	5,62215	1,028113827	ENST00000304030	90594	NM_152262	ZNF439
A_22_P00011710	1,6709	1,63093	1,028092448	N/A	N/A	N/A	Inc-PDZD8-2
A_22_P00003714	1,73809	1,69812	1,028092448	ENST00000581632	N/A	BX108699	N/A
A_22_P00015733	1,44264	1,40267	1,028092448	ENST00000443992	23118	NM_001292035	TAB2
A_33_P3354424	1,57743	1,53746	1,028092448	ENST00000329314	391712	NM_001012414	TRIM61

A_22_P00004161	1,5839	1,54394	1,028085322	N/A	N/A	N/A	Inc-CLEC3A-1
A_33_P3238820	1,74065	1,70069	1,028085322	N/A	N/A	N/A	XL0C_I2_006196
A_21_P0005315	1,55482	1,51488	1,028071069	N/A	N/A	N/A	Inc-MAGI2-1
A_23_P368773	1,43988	1,39994	1,028071069	ENST00000301480	147741	NM_152476	ZNF560
A_32_P131640	1,61081	1,57087	1,028071069	ENST00000338017	139065	NM_173078	SLITRK4
A_22_P00016223	1,52298	1,48305	1,028063943	N/A	N/A	T49893	Inc-TM6SF1-1
A_22_P00012935	1,73181	1,69188	1,028063943	ENST00000525133	N/A	N/A	N/A
A_22_P00007551	1,58965	1,54972	1,028063943	N/A	N/A	N/A	Inc-HAPLN1-2
A_21_P0014666	1,58875	1,54882	1,028063943	N/A	100287329	AK301217	LOC100287329
A_22_P00000134	9,39998	9,36005	1,028063943	ENST00000485020	N/A	N76660	N/A
A_21_P0006247	1,75304	1,71312	1,028056818	N/A	N/A	N/A	Inc-C9orf66-4
A_23_P65506	1,59555	1,55563	1,028056818	ENST00000389721	6710	NM_000347	SPTB
A_21_P0005428	1,58517	1,54527	1,028042566	N/A	N/A	N/A	Inc-RP11-305M3.3.1-1
A_22_P00017229	1,46085	1,42096	1,02803544	ENST00000453828	N/A	N/A	N/A
A_33_P3292860	1,43814	1,39825	1,02803544	ENST00000612978	728229	NM_001242313	TMEM191B
A_21_P0005987	1,39678	1,3569	1,028028314	ENST00000603200	440896	NR_015361	LOC440896
A_22_P00024622	1,5413	1,50142	1,028028314	N/A	N/A	N/A	Inc-AC022532.1-1
A_21_P0005411	1,47968	1,43981	1,028021188	ENST00000392471	102724664	N/A	LOC102724664
A_24_P39639	9,6196	9,57974	1,028014063	ENST00000435634	118460	NM_058219	EXOSC6
A_33_P3279311	1,73564	1,69578	1,028014063	N/A	N/A	N/A	Inc-C21orf54-4
A_21_P0002405	1,38552	1,34566	1,028014063	N/A	N/A	N/A	Inc-NTSR2-5
A_33_P3718699	1,58641	1,54655	1,028014063	N/A	283737	AK096897	LOC283737
A_22_P00013177	1,52791	1,48805	1,028014063	ENST00000435062	100506274	NR_038432	LOC100506274
A_24_P13285	1,59078	1,55092	1,028014063	ENST00000257905	5502	NM_006741	PPP1R1A
A_22_P00016513	1,68707	1,64722	1,028006937	ENST00000436373	N/A	N/A	N/A
A_21_P0005996	1,57174	1,53189	1,028006937	ENST00000445631	N/A	N/A	N/A
A_22_P00007326	1,57921	1,53937	1,027999812	ENST00000411879	N/A	BI760116	N/A
A_33_P3286943	1,58381	1,54397	1,027999812	ENST00000551995	N/A	N/A	N/A
A_22_P00002190	1,61526	1,57543	1,027992686	ENST00000511174	N/A	N/A	N/A
A_22_P00019330	1,50307	1,46325	1,027985561	N/A	N/A	AK057554	Inc-OR6Y1-1
A_22_P00011640	6,14047	6,10065	1,027985561	N/A	N/A	N/A	Inc-PDCD1-2
A_21_P0000430	1,72675	1,68694	1,027978435	N/A	767562	NR_003230	SNORD113-2
A_22_P00010662	1,44404	1,40423	1,027978435	N/A	N/A	N/A	Inc-NELL2-1



A_22_P00021225	1,65541	1,61561	1,02797131	ENST00000460324	N/A	N/A	N/A
A_33_P3232960	1,48805	1,44825	1,02797131	ENST00000544460	221400	NM_001010870	TDRD6
A_22_P00013882	1,50389	1,4641	1,027964184	N/A	N/A	N/A	Inc-RPRM-4
A_33_P3394744	1,51604	1,47626	1,027957059	ENST00000412350	10655	NM_006557	DMRT2
A_21_P0008756	1,67719	1,63741	1,027957059	N/A	N/A	N/A	Inc-C15orf59-1
A_33_P3325948	1,54163	1,50185	1,027957059	N/A	N/A	N/A	N/A
A_33_P3373707	8,47629	8,43651	1,027957059	ENST00000367937	8417	NM_003569	STX7
A_23_P150428	4,61283	4,57305	1,027957059	ENST00000309154	390261	NM_001005325	OR6M1
A_24_P273043	1,37873	1,33897	1,027942809	ENST00000405027	N/A	N/A	N/A
A_21_P0007777	1,51628	1,47653	1,027935684	N/A	N/A	N/A	Inc-NCOR2-1
A_21_P0003819	1,50206	1,46231	1,027935684	N/A	N/A	N/A	Inc-FAT1-2
A_22_P00007865	1,59365	1,55391	1,027928558	ENST00000440522	N/A	N/A	N/A
A_22_P00022447	1,40447	1,36473	1,027928558	ENST00000495382	N/A	N/A	N/A
A_21_P0002788	1,54876	1,50902	1,027928558	ENST00000490497	101928190	N/A	LINC01487
A_23_P301855	1,67267	1,63297	1,027900059	ENST00000498645	4045	NM_002338	LSAMP
A_23_P65370	13,3871	13,3474	1,027900059	ENST00000553672	51218	NM_016417	GLRX5
A_33_P3313456	2,84774	2,80806	1,027885809	ENST00000378653	645090	NM_001098843	CXorf30
A_21_P0001074	1,39056	1,35089	1,027878684	N/A	N/A	N/A	Inc-DISC1-2
A_33_P3352213	1,50223	1,46256	1,027878684	N/A	N/A	N/A	N/A
A_21_P0003662	1,50853	1,46888	1,027864435	N/A	N/A	N/A	Inc-LSM6-1
A_22_P00019418	1,53822	1,49857	1,027864435	ENST00000412348	N/A	N/A	N/A
A_21_P0005440	1,56132	1,52168	1,02785731	N/A	N/A	N/A	Inc-ARHGFE5-2
A_21_P0014177	6,95611	6,91647	1,02785731	N/A	101926963	NR_110054	LOC101926963
A_22_P00010527	1,58963	1,55	1,027850186	ENST00000433101	N/A	N/A	N/A
A_33_P3376264	1,70108	1,66145	1,027850186	ENST00000378938	2710	N/A	GK
A_21_P0004811	1,6419	1,60227	1,027850186	N/A	N/A	N/A	Inc-AL035696.1-2
A_21_P0001384	1,51388	1,47426	1,027843061	ENST00000420691	79100	NR_024160	LINC00626
A_22_P00001385	1,51012	1,4705	1,027843061	N/A	N/A	N/A	Inc-AP3S1-1
A_21_P0006449	1,60108	1,56146	1,027843061	ENST00000422410	N/A	N/A	N/A
A_23_P366098	1,50455	1,46495	1,027828812	ENST00000271854	91181	NM_207308	NUP210L
A_23_P371758	1,4381	1,3985	1,027828812	ENST00000293502	121214	NM_148897	SDR9C7
A_33_P3252073	1,66117	1,62158	1,027821688	ENST00000378485	574028	NM_001025233	CLLU1
A_22_P00013320	1,51805	1,47846	1,027821688	ENST00000549163	N/A	N/A	N/A

A_23_P429363	1,57579	1,53621	1,027814564	ENST00000524314	8822	NM_003867	FGF17
A_23_P363365	4,25713	4,21756	1,02780744	ENST00000330120	51289	NM_016568	RXFP3
A_21_P0012108	1,70111	1,66154	1,02780744	ENST00000438659	N/A	N/A	N/A
A_24_P134302	1,62771	1,58815	1,027800315	ENST00000354280	57119	NM_020398	EPPIN
A_33_P3241224	1,38326	1,3437	1,027800315	ENST00000380222	3448	NM_002172	IFNA14
A_22_P00016541	1,45834	1,41878	1,027800315	ENST00000444701	N/A	N/A	N/A
A_33_P3543013	2,2904	2,25084	1,027800315	N/A	219525	AF309700	OR5AK4P
A_32_P13113	1,70325	1,6637	1,027793191	ENST00000324341	196472	NM_153364	FAM71C
A_22_P00016511	1,6127	1,57315	1,027793191	ENST00000449840	N/A	N/A	N/A
A_21_P0001914	1,57745	1,5379	1,027793191	ENST00000421696	N/A	N/A	N/A
A_21_P0001980	1,59173	1,55219	1,027786067	ENST00000449362	N/A	N/A	N/A
A_22_P00017641	1,49454	1,45501	1,027778943	N/A	N/A	AF400043	Inc-WNT2-1
A_22_P00022926	1,58783	1,5483	1,027778943	N/A	N/A	BU854474	Inc-NAIF1-2
A_21_P0013274	1,69155	1,65203	1,027771819	ENST00000476502	N/A	N/A	N/A
A_33_P3232778	1,50927	1,46975	1,027771819	ENST00000540591	391003	NM_001099850	LOC391003
A_22_P00008243	1,66276	1,62324	1,027771819	ENST00000554043	N/A	N/A	N/A
A_23_P45099	1,42007	1,38056	1,027764695	ENST00000374975	3127	NM_002125	HLA-DRB5
A_22_P00002653	1,65937	1,61987	1,027757571	N/A	N/A	N/A	Inc-C1orf198-3
A_19_P00316349	1,63028	1,59078	1,027757571	N/A	101928502	XR_243488	LOC101928502
A_23_P54088	1,45487	1,41537	1,027757571	ENST00000315543	390436	NM_001004715	OR4K17
A_33_P3416637	1,53787	1,49838	1,027750447	ENST00000412257	N/A	N/A	N/A
A_22_P00000537	1,55798	1,51849	1,027750447	ENST00000560683	N/A	N/A	N/A
A_22_P00018443	1,58884	1,54936	1,027743324	N/A	100874102	NR_046691	HS6ST2-AS1
A_22_P00024997	1,4933	1,45383	1,0277362	N/A	N/A	N/A	Inc-CLN5-1
A_21_P0002224	1,55963	1,52016	1,0277362	N/A	N/A	N/A	Inc-B3GNT2-1
A_21_P0001422	1,38212	1,34265	1,0277362	N/A	N/A	N/A	Inc-LYPLAL1-3
A_24_P391918	1,50119	1,46173	1,027729076	ENST00000284898	91133	NM_173464	L3MBTL4
A_21_P0002752	1,44507	1,40562	1,027721953	ENST00000461186	N/A	N/A	N/A
A_21_P0003291	1,63978	1,60033	1,027721953	N/A	101929320	XR_241526	LOC101929320
A_23_P94571	1,49657	1,45713	1,027714829	ENST00000380117	1993	NM_004432	ELAVL2
A_23_P126266	1,46659	1,42715	1,027714829	ENST00000366903	3142	NM_021958	HLX
A_33_P3242388	9,35939	9,31997	1,027700582	ENST00000392391	54965	NM_001166304	PIGX
A_22_P00007561	4,89854	4,85913	1,027693458	N/A	282763	NR_038321	OR51B5

A_33_P3407826	11,0264	10,987	1,027686335	N/A	N/A	N/A	N/A
A_21_P0003631	1,51112	1,47172	1,027686335	N/A	N/A	N/A	Inc-RAP1GDS1-3
A_23_P251051	12,8045	12,7651	1,027686335	ENST00000361452	4771	NM_181832	NF2
A_33_P3460485	1,69789	1,65849	1,027686335	N/A	677771	BF814437	SCARNA4
A_21_P0011729	1,67143	1,63203	1,027686335	N/A	N/A	N/A	XLOC_I2_006973
A_21_P0009036	1,44652	1,40713	1,027679212	N/A	N/A	N/A	Inc-IRX3-3
A_21_P0014605	1,52146	1,48209	1,027664965	N/A	N/A	N/A	N/A
A_33_P3368388	1,51229	1,47293	1,027657842	ENST00000567666	123872	NM_178452	DNAAF1
A_22_P00025249	6,99213	6,95278	1,027650719	N/A	N/A	DB453801	Inc-CEACAM18-2
A_19_P00317332	1,59234	1,55299	1,027650719	ENST00000509654	201853	NR_126435	LINC00504
A_22_P00025003	1,52893	1,48958	1,027650719	N/A	101929570	NR_110258	LOC101929570
A_21_P0004093	1,47016	1,43081	1,027650719	ENST00000509057	N/A	N/A	N/A
A_21_P0012545	1,5982	1,55886	1,027643596	ENST00000491849	440970	N/A	LINC00971
A_24_P113960	1,39139	1,35205	1,027643596	ENST00000235628	84618	NM_032526	NT5C1A
A_24_P930756	1,43213	1,39279	1,027643596	ENST00000459992	256380	AK074125	SCML4
A_23_P48022	1,69029	1,65097	1,02762935	ENST00000240615	50836	NM_023918	TAS2R8
A_22_P00015337	1,56748	1,52817	1,027622227	N/A	101927988	XR_241125	LINC01527
A_24_P334378	1,54284	1,50353	1,027622227	ENST00000251566	79799	NM_024743	UGT2A3
A_23_P2294	5,93103	5,89172	1,027622227	ENST00000440906	92797	NM_033647	HELB
A_21_P0005180	1,58109	1,54179	1,027615104	N/A	N/A	N/A	Inc-SLC22A2-1
A_23_P315212	1,5415	1,5022	1,027615104	ENST00000306928	23620	NM_012344	NTSR2
A_33_P3308903	12,0114	11,9721	1,027615104	ENST00000506488	142678	NM_080875	MIB2
A_24_P160482	1,57748	1,53819	1,027607981	N/A	222008	BC028404	VSTM2A
A_21_P0000962	1,5546	1,51532	1,027600858	ENST00000441046	N/A	N/A	N/A
A_21_P0012627	1,71143	1,67215	1,027600858	N/A	N/A	N/A	XLOC_I2_010908
A_32_P77102	1,4093	1,37003	1,027593735	N/A	100128420	NR_038461	LINC00892
A_22_P00018563	1,68174	1,64247	1,027593735	ENST00000442323	N/A	N/A	N/A
A_21_P0001102	1,54945	1,51019	1,027586613	ENST00000447908	N/A	N/A	N/A
A_22_P00018039	1,75653	1,71727	1,027586613	ENST00000440148	N/A	N/A	N/A
A_21_P0012035	1,67748	1,63823	1,02757949	ENST00000419786	101927406	N/A	LOC101927406
A_22_P00011572	1,55858	1,51933	1,02757949	N/A	100874157	NR_047011	LINC00395
A_22_P00019935	1,38222	1,34298	1,027572367	ENST00000427360	N/A	N/A	N/A
A_23_P71926	1,4372	1,39796	1,027572367	ENST00000377276	5568	NM_002732	PRKACG

A_23_P58819	9,26019	9,22095	1,027572367	ENST00000521759	64901	AF222747	RANBP17
A_22_P00003049	1,53529	1,49606	1,027565245	N/A	N/A	AK023382	Inc-C8A-2
A_33_P3360007	1,73267	1,69344	1,027565245	N/A	N/A	N/A	N/A
A_21_P0011800	1,563	1,52377	1,027565245	N/A	N/A	N/A	XLOC_I2_007286
A_21_P0004239	1,55299	1,51378	1,027551	ENST00000612030	N/A	N/A	N/A
A_33_P3275615	1,57197	1,53277	1,027543877	ENST00000599770	N/A	DA339715	N/A
A_19_P00316694	1,6986	1,65941	1,027536755	ENST00000427276	102216342	NR_108096	LINC01108
A_21_P0011718	1,49058	1,45139	1,027536755	ENST00000598409	147670	N/A	SMIM17
A_21_P0007192	1,56573	1,52654	1,027536755	N/A	N/A	N/A	Inc-C11orf74-2
A_21_P0003653	1,45658	1,41739	1,027536755	N/A	N/A	N/A	Inc-PCDH10-8
A_22_P00013814	1,42141	1,38222	1,027536755	N/A	N/A	N/A	Inc-RP9-1
A_21_P0014615	1,51649	1,4773	1,027536755	N/A	N/A	N/A	Inc-KIF3A-1
A_33_P3418716	1,54649	1,50731	1,027529633	ENST00000611312	80303	NM_025202	EFHD1
A_22_P00011207	1,52629	1,48711	1,027529633	N/A	N/A	N/A	Inc-OLR1-1
A_23_P151637	1,62441	1,58523	1,027529633	ENST00000304625	6036	NM_002934	RNASE2
A_22_P00016461	1,41333	1,37417	1,027515388	N/A	N/A	N/A	Inc-TMEM69-1
A_22_P00009449	1,58351	1,54435	1,027515388	N/A	N/A	DB552640	Inc-M6PR-3
A_23_P253752	9,98417	9,94502	1,027508266	ENST00000420702	113115	NM_138419	MTFR2
A_22_P00012776	1,65941	1,62026	1,027508266	N/A	N/A	N/A	Inc-RALB-2
A_33_P3231562	1,51615	1,47701	1,027501144	N/A	N/A	N/A	N/A
A_22_P00022427	1,46263	1,42349	1,027501144	ENST00000329309	389493	NM_001145712	NUPR1L
A_33_P3298226	1,52759	1,48846	1,027494022	ENST00000456341	54798	AY354498	DCHS2
A_22_P00003079	1,50848	1,46936	1,0274869	N/A	N/A	BQ648975	Inc-C8orf55-1
A_33_P3280646	1,50329	1,46418	1,027479778	ENST00000498619	846	NM_001178065	CASR
A_33_P3288844	5,73446	5,69537	1,027465534	ENST00000368485	3570	NM_000565	IL6R
A_23_P78037	1,46965	1,43056	1,027465534	ENST00000378569	6354	NM_006273	CCL7
A_33_P3821660	8,51768	8,47859	1,027465534	ENST00000461992	55684	NM_001173989	RABL6
A_23_P102286	1,55734	1,51826	1,027458412	ENST00000401907	3973	NM_000233	LHCGR
A_22_P00002640	1,53384	1,49476	1,027458412	N/A	N/A	AI571034	Inc-C1orf185-3
A_21_P0005073	1,58535	1,54627	1,027458412	N/A	N/A	N/A	Inc-NOX3-3
A_22_P00013697	1,51173	1,47265	1,027458412	N/A	N/A	CR742730	Inc-RP11-766F14.2.1-1
A_22_P00001374	1,63443	1,59537	1,027444169	ENST00000444862	N/A	N/A	N/A
A_21_P0004051	1,58286	1,5438	1,027444169	ENST00000509367	102467224	N/A	LOC102467224

A_22_P00017226	1,54384	1,50478	1,027444169	ENST00000455229	N/A	N/A	N/A
A_21_P0008849	1,48707	1,44801	1,027444169	N/A	N/A	N/A	Inc-ONECUT1-1
A_21_P0007633	1,72087	1,68181	1,027444169	N/A	N/A	N/A	Inc-RP11-116D17.1.1-3
A_22_P00018065	1,53344	1,49438	1,027444169	ENST00000438454	N/A	N/A	N/A
A_33_P3303945	1,42566	1,38661	1,027437047	ENST00000317254	390072	NM_001005175	OR52N4
A_22_P00024068	1,6462	1,60715	1,027437047	N/A	101928590	NR_125901	LOC101928590
A_22_P00008659	1,43999	1,40095	1,027429925	ENST00000566370	100861554	NR_047493	LINC00563
A_21_P0002396	1,42202	1,383	1,027415682	N/A	N/A	N/A	Inc-CMPK2-7
A_21_P0013633	2,96553	2,92653	1,027401439	N/A	N/A	N/A	XLOC_I2_015174
A_23_P320225	1,53779	1,49879	1,027401439	ENST00000509670	132884	NM_147127	EVC2
A_24_P413669	6,52804	6,48904	1,027401439	ENST00000367079	5208	NM_001018053	PFKFB2
A_21_P0003805	1,49622	1,45723	1,027394318	N/A	N/A	N/A	Inc-DCTD-8
A_23_P42931	1,46376	1,42478	1,027387197	ENST00000520413	154790	NM_001080511	CLEC2L
A_22_P00018597	1,37603	1,33705	1,027387197	ENST00000553678	N/A	N/A	N/A
A_33_P3267879	1,65006	1,6111	1,027372954	ENST00000236166	N/A	N/A	N/A
A_33_P3303325	1,82358	1,78462	1,027372954	ENST00000487348	N/A	XM_003960117	N/A
A_33_P3802116	1,56585	1,52689	1,027372954	ENST00000519691	N/A	XR_247160	N/A
A_21_P0000793	1,50173	1,46278	1,027365833	N/A	100132618	NR_038420	ZRANB2-AS1
A_21_P0004690	1,6856	1,64666	1,027358712	N/A	N/A	N/A	Inc-SLC35D3-1
A_21_P0009875	1,63971	1,60077	1,027358712	ENST00000456714	149837	NR_015406	LINC00654
A_19_P00321210	1,70709	1,66815	1,027358712	ENST00000492553	647107	N/A	LINC01192
A_22_P00002391	5,87377	5,83483	1,027358712	N/A	102724153	NR_110552	LOC102724153
A_22_P00006419	6,37844	6,33951	1,027351591	ENST00000520524	N/A	N/A	N/A
A_22_P00025705	1,65911	1,62018	1,027351591	ENST00000521511	N/A	BX091769	N/A
A_33_P3295119	1,37745	1,33852	1,027351591	ENST00000609812	147719	NM_173506	LYPD4
A_22_P00024991	1,56887	1,52994	1,027351591	N/A	N/A	BG419303	Inc-TBC1D3F-1
A_33_P3336909	1,75582	1,71689	1,027351591	ENST00000518709	728715	XM_006719176	LOC728715
A_22_P00020535	1,65694	1,61802	1,02734447	N/A	N/A	DB576317	Inc-ENPP1-2
A_22_P00020985	1,65214	1,61322	1,02734447	ENST00000568471	N/A	N/A	N/A
A_32_P56624	1,6957	1,65679	1,027337349	ENST00000539556	339145	NM_198491	FAM92B
A_22_P00016795	1,5953	1,55639	1,027337349	ENST00000576745	N/A	N/A	N/A
A_21_P0006385	1,5895	1,55061	1,027323107	N/A	N/A	N/A	Inc-C9orf156-2
A_22_P00021182	1,56018	1,52129	1,027323107	N/A	N/A	BX117253	Inc-LRRC40-2

A_22_P00005273	1,38983	1,35094	1,027323107	ENST00000509669	N/A	N/A	N/A
A_33_P3421520	7,45316	7,41428	1,027315986	ENST00000617859	64376	NM_001271840	IKZF5
A_33_P3318117	1,53139	1,49251	1,027315986	ENST00000336374	1551	NM_000765	CYP3A7
A_22_P00022505	1,5943	1,55543	1,027308865	ENST00000567925	N/A	DB330190	N/A
A_22_P00015018	1,6022	1,56333	1,027308865	N/A	N/A	N/A	Inc-SMPD2-2
A_22_P00017073	5,99846	5,95959	1,027308865	N/A	N/A	N/A	Inc-TUFM-3
A_23_P312874	1,47423	1,43536	1,027308865	ENST00000506468	221409	NM_145026	SPATS1
A_23_P114934	1,40718	1,36832	1,027301745	ENST00000367870	84944	NM_032858	MAEL
A_22_P00025646	1,73923	1,70037	1,027301745	ENST00000440341	N/A	N/A	N/A
A_33_P3362392	1,73348	1,69463	1,027294624	N/A	N/A	N/A	N/A
A_21_P0007059	1,38512	1,34628	1,027287503	N/A	N/A	N/A	Inc-ANTXRL-1
A_22_P00005555	1,57215	1,53332	1,027280383	N/A	N/A	BX104650	Inc-EEA1-1
A_22_P00025184	1,6551	1,61627	1,027280383	ENST00000532849	N/A	AI934964	N/A
A_22_P00013753	1,69174	1,65292	1,027273262	ENST00000517796	N/A	N/A	N/A
A_23_P351295	1,64614	1,60732	1,027273262	ENST00000312719	222537	NM_153612	HS3ST5
A_24_P135427	1,65504	1,61622	1,027273262	N/A	100128398	NR_036508	LOC100128398
A_22_P00003342	1,51354	1,47472	1,027273262	ENST00000537498	N/A	AK055272	N/A
A_33_P3233814	1,53325	1,49443	1,027273262	ENST00000316412	645425	NM_001099852	PRAMEF20
A_23_P360924	1,53819	1,49938	1,027266142	ENST00000286808	26285	NM_012131	CLDN17
A_33_P3395753	1,54686	1,50805	1,027266142	ENST00000450891	N/A	N/A	N/A
A_23_P92885	1,64887	1,61007	1,027259021	ENST00000513675	133482	NM_173488	SLCO6A1
A_19_P00317046	1,44495	1,40615	1,027259021	ENST00000492522	N/A	N/A	N/A
A_21_P0013090	1,62862	1,58982	1,027259021	ENST00000446525	N/A	N/A	N/A
A_22_P00011291	1,64032	1,60153	1,027251901	ENST00000542064	N/A	BU956244	N/A
A_21_P0001014	1,73936	1,70057	1,027251901	ENST00000426504	N/A	N/A	N/A
A_21_P0002787	1,56198	1,52319	1,027251901	ENST00000463297	N/A	N/A	N/A
A_22_P00022371	1,52359	1,48481	1,02724478	N/A	N/A	N/A	Inc-AP000679.2.1-2
A_32_P932089	1,70546	1,66669	1,02723766	N/A	84054	NR_001282	PCDHB19P
A_22_P00009099	1,55923	1,52046	1,02723766	N/A	N/A	GR939008	Inc-LIF-1
A_21_P0002668	1,72764	1,68888	1,02723054	N/A	101928347	XR_245041	LOC101928347
A_23_P251151	1,38455	1,34579	1,02723054	ENST00000529218	4745	NM_006157	NELL1
A_22_P00010029	1,63098	1,59223	1,02722342	ENST00000440255	N/A	N/A	N/A
A_33_P3219210	1,58436	1,54561	1,02722342	N/A	N/A	N/A	N/A

A_22_P00018456	1,59916	1,56041	1,02722342	ENST00000438408	N/A	N/A	N/A
A_22_P00008402	1,66897	1,63024	1,027209179	N/A	N/A	N/A	Inc-JPH1-3
A_23_P75769	1,44183	1,4031	1,027209179	ENST00000529991	51338	NM_024021	MS4A4A
A_23_P134041	1,49692	1,45819	1,027209179	ENST00000369663	9096	NM_001080508	TBX18
A_22_P00024579	1,75438	1,71566	1,027202059	N/A	N/A	N/A	Inc-AP001496.1-7
A_21_P0002287	1,64825	1,60953	1,027202059	N/A	N/A	N/A	Inc-CNTNAP5-5
A_22_P00025452	1,6353	1,59659	1,027194939	N/A	N/A	N/A	Inc-SNX11-2
A_22_P00025204	1,52546	1,48675	1,027194939	N/A	N/A	N/A	Inc-COMMD7-1
A_23_P329353	1,53574	1,49704	1,027187819	ENST00000481714	25927	NM_015463	CNRIP1
A_33_P3273822	1,65189	1,61319	1,027187819	ENST00000434234	80204	N/A	FBXO11
A_33_P3468017	1,59245	1,55377	1,02717358	ENST00000416774	254099	NR_038869	LINC01342
A_22_P00020537	1,50991	1,47123	1,02717358	ENST00000504840	N/A	N/A	N/A
A_22_P00025905	1,43968	1,401	1,02717358	ENST00000542819	N/A	DA670090	N/A
A_21_P0002591	5,92677	5,8881	1,02716646	N/A	N/A	N/A	Inc-SIX3-3
A_21_P0002425	1,67048	1,63181	1,02716646	N/A	N/A	N/A	Inc-ACO13480.1.1-4
A_21_P0004495	1,64993	1,61126	1,02716646	ENST00000565798	N/A	XR_249759	N/A
A_33_P3405535	1,64388	1,60521	1,02716646	ENST00000508957	650293	NM_001040071	LOC650293
A_24_P519672	1,3988	1,36013	1,02716646	N/A	84789	NR_026877	MGC2889
A_22_P00019361	1,60671	1,56805	1,02715934	ENST00000507950	N/A	N/A	N/A
A_23_P113748	1,67603	1,63737	1,02715934	ENST00000494118	79750	NM_024697	ZNF385D
A_22_P00002587	1,54964	1,51099	1,02715222	ENST00000562582	101927606	BC016798	LOC101927606
A_22_P00006563	1,63992	1,60127	1,02715222	N/A	100379174	NR_037841	MACROD2-AS1
A_21_P0000415	1,66737	1,62872	1,02715222	N/A	767596	NR_003211	SNORD114-18
A_22_P00019574	1,52612	1,48748	1,027145101	N/A	N/A	AL704334	Inc-XKR9-1
A_22_P00010864	1,44985	1,41122	1,027137981	ENST00000549330	101927062	NR_110033	LOC101927062
A_33_P3282744	1,56366	1,52503	1,027137981	N/A	N/A	N/A	N/A
A_33_P3288234	1,57346	1,53483	1,027137981	N/A	N/A	BX378805	N/A
A_32_P30271	1,37657	1,33795	1,027130862	ENST00000381781	645432	NM_001080523	ARRDC5
A_21_P0010109	1,61818	1,57956	1,027130862	N/A	N/A	N/A	Inc-JAG1-5
A_22_P00014764	1,75754	1,71892	1,027130862	N/A	N/A	N/A	Inc-SLC35G1-1
A_33_P3408042	1,58712	1,5485	1,027130862	ENST00000374428	26248	NM_205859	OR2K2
A_24_P931736	1,67784	1,63922	1,027130862	N/A	100133106	AY358216	LOC100133106
A_23_P416011	1,65079	1,61217	1,027130862	ENST00000617378	10407	NM_058203	SPAG11B

A_23_P47565	14,4864	14,4478	1,027116623	ENST00000375710	3939	NM_005566	LDHA
A_33_P3279798	9,73954	9,70094	1,027116623	ENST00000557421	27109	NM_015684	ATP5S
A_22_P00007834	1,63866	1,60006	1,027116623	N/A	100873945	NR_046648	HLTF-AS1
A_23_P65100	1,67177	1,63317	1,027116623	ENST00000252318	26290	NM_017417	GALNT8
A_22_P00009905	11,5064	11,4678	1,027116623	N/A	100859930	NR_045680	HEIH
A_22_P00009227	9,41768	9,37909	1,027109503	N/A	100129845	NR_038910	PCOLCE-AS1
A_22_P00023948	1,63977	1,60118	1,027109503	N/A	N/A	N/A	Inc-C11orf82-3
A_21_P0003322	1,56927	1,53069	1,027102384	ENST00000509964	101929123	NR_125919	LOC101929123
A_21_P0001726	4,24844	4,20987	1,027095265	N/A	N/A	N/A	Inc-SLC6A9-3
A_21_P0001455	1,68166	1,64309	1,027095265	N/A	N/A	N/A	Inc-NOC2L-2
A_21_P0010473	1,44621	1,40764	1,027095265	N/A	101929416	XR_249026	LOC101929416
A_22_P00025239	1,40369	1,36512	1,027095265	ENST00000501520	N/A	AK091456	N/A
A_21_P0010895	1,38044	1,34187	1,027095265	N/A	N/A	N/A	XL0C_I2_002049
A_33_P3303319	1,55174	1,51318	1,027088145	ENST00000370188	163404	NM_001037317	LPPR5
A_21_P0008152	1,38303	1,34447	1,027088145	N/A	N/A	N/A	Inc-TSC22D1-1
A_33_P3313920	1,43958	1,40103	1,027081026	ENST00000612312	3803	NM_014219	KIR2DL2
A_33_P3857467	1,49344	1,45489	1,027081026	ENST00000436042	100240728	NR_108095	LOC100240728
A_22_P00021149	1,51199	1,47344	1,027081026	N/A	N/A	N/A	Inc-AL450307.1-1
A_23_P386964	1,65594	1,6174	1,027073907	ENST00000505647	152940	NM_152543	C4orf45
A_23_P256077	1,47911	1,44058	1,027066788	ENST00000339042	63904	NM_022076	DUSP21
A_21_P0003050	1,44217	1,40364	1,027066788	N/A	N/A	N/A	Inc-RP11-6F2.7.1-1
A_33_P3343120	1,56552	1,527	1,027059669	ENST00000268638	3394	NM_002163	IRF8
A_23_P102864	1,46854	1,43002	1,027059669	ENST00000284885	5651	NM_002772	TMPRSS15
A_22_P00022314	1,51448	1,47597	1,02705255	ENST00000454137	2956	N/A	MSH6
A_33_P3335262	1,38208	1,34358	1,027045431	N/A	257062	AK128088	CATSPERD
A_24_P344711	10,6533	10,6148	1,027045431	ENST00000398058	56894	NM_020132	AGPAT3
A_21_P0011644	1,72378	1,68529	1,027038312	ENST00000502517	55018	N/A	LINC00483
A_21_P0008632	1,51441	1,47592	1,027038312	N/A	N/A	N/A	Inc-MAPK6-10
A_21_P0010226	1,50438	1,46589	1,027038312	N/A	N/A	N/A	Inc-USP16-7
A_23_P157338	1,43981	1,40132	1,027038312	ENST00000340652	375567	NM_198570	VWC2
A_33_P3295328	1,61473	1,57624	1,027038312	ENST00000382073	93978	NM_001007033	CLEC6A
A_33_P3307568	1,63284	1,59436	1,027031193	ENST00000518817	152138	NM_001083308	PYDC2
A_33_P3237135	1,58368	1,54521	1,027024074	ENST00000219070	4313	NM_004530	MMP2



A_23_P329956	1,535	1,49653	1,027024074	ENST00000454918	130560	NM_139073	SPATA3
A_21_P0001515	1,66423	1,62577	1,027016956	N/A	N/A	N/A	Inc-C1orf87-1
A_21_P0002680	1,47832	1,43986	1,027016956	N/A	N/A	N/A	Inc-SCN1A-1
A_33_P3211654	4,15733	4,11887	1,027016956	N/A	N/A	N/A	N/A
A_22_P00006142	1,6522	1,61375	1,027009837	N/A	N/A	N/A	Inc-FAM189A1-2
A_21_P0005076	3,87967	3,84123	1,027002718	N/A	N/A	N/A	Inc-SERAC1-5
A_21_P0009491	1,70581	1,66737	1,027002718	ENST00000592121	N/A	N/A	N/A
A_21_P0008590	1,73854	1,7001	1,027002718	ENST00000562501	791114	NR_026646	PWRN1
A_23_P50121	1,42916	1,39072	1,027002718	ENST00000299766	4160	NM_005912	MC4R
A_22_P00013740	1,49339	1,45496	1,0269956	ENST00000559643	N/A	N/A	N/A
A_33_P3347465	9,95361	9,91518	1,0269956	ENST00000565583	124245	NM_001294340	ZC3H18
A_22_P00017331	1,64371	1,60529	1,026988481	ENST00000526091	101928921	XR_247699	LOC101928921
A_24_P263284	1,5195	1,48109	1,026981362	ENST00000241312	114784	NM_052896	CSMD2
A_21_P0008823	1,53246	1,49405	1,026981362	N/A	N/A	N/A	Inc-THBS1-1
A_21_P0014509	1,41114	1,37274	1,026974244	N/A	N/A	BX108475	N/A
A_33_P3294921	1,56893	1,53053	1,026974244	ENST00000492157	158471	NM_015225	PRUNE2
A_21_P0003071	1,65508	1,6167	1,026960007	N/A	N/A	N/A	Inc-EIF2B5-2
A_33_P3230239	1,66865	1,63028	1,026952889	ENST00000400186	64478	NM_033225	CSMD1
A_22_P00011102	1,71687	1,67851	1,026945771	N/A	N/A	BG212501	Inc-NUDT13-1
A_33_P3341289	1,66804	1,62968	1,026945771	N/A	N/A	N/A	N/A
A_33_P3375626	1,61806	1,5797	1,026945771	N/A	N/A	N/A	N/A
A_22_P00014416	1,56015	1,52181	1,026931534	ENST00000448074	200132	AK307100	TCTEX1D1
A_22_P00007575	1,37736	1,33903	1,026924416	N/A	N/A	N/A	Inc-HDAC2-4
A_33_P3288189	9,36051	9,32218	1,026924416	ENST00000379982	22836	NM_014899	RHOBTB3
A_23_P106656	1,39213	1,35383	1,026903062	ENST00000548332	766	NM_001014435	CA7
A_21_P0001763	1,65433	1,61605	1,026888826	N/A	100506929	XR_247111	LOC100506929
A_24_P41706	1,39314	1,35486	1,026888826	ENST00000460066	266553	XM_003118558	OFCC1
A_22_P00012266	1,49585	1,45758	1,026881708	ENST00000521143	N/A	N/A	N/A
A_24_P175563	1,60415	1,56588	1,026881708	ENST00000375905	91452	NM_145698	ACBD5
A_33_P3387856	4,85846	4,82019	1,026881708	N/A	55839	NM_001100625	CENPN
A_23_P78750	6,38441	6,34614	1,026881708	ENST00000221485	57030	NM_020309	SLC17A7
A_19_P00316622	1,69957	1,66131	1,026874591	ENST00000583578	284276	XR_424934	LINC00908
A_22_P00010192	1,57956	1,5413	1,026874591	ENST00000619549	114036	NR_027266	LINC00310

A_33_P3210653	1,71096	1,6727	1,026874591	ENST00000380373	401666	NM_001005329	OR51A4
A_33_P3395384	3,06738	3,02914	1,026860355	ENST00000389385	22895	NM_001143854	RPH3A
A_21_P0001298	1,48183	1,4436	1,026853238	N/A	N/A	N/A	Inc-DMRTB1-1
A_22_P00015503	1,63947	1,60124	1,026853238	N/A	N/A	N/A	Inc-STAT1-2
A_33_P3298092	1,75662	1,71839	1,026853238	N/A	100131756	AK096139	LOC100131756
A_33_P3421007	1,52113	1,48291	1,02684612	N/A	N/A	N/A	N/A
A_21_P0011025	1,71443	1,67622	1,026839002	ENST00000419895	283140	N/A	LOC283140
A_21_P0012305	1,7085	1,67029	1,026839002	ENST00000426585	N/A	XR_425297	N/A
A_21_P0007588	1,63207	1,59386	1,026839002	N/A	N/A	N/A	Inc-ZDHC17-5
A_22_P00018949	1,44318	1,40498	1,026831885	N/A	N/A	DA339205	Inc-ITM2C-2
A_21_P0010496	1,63082	1,59262	1,026831885	ENST00000604411	9383	N/A	TSIX
A_21_P0008395	1,57108	1,53288	1,026831885	N/A	N/A	N/A	Inc-DIO3.1-1
A_22_P00008374	1,46012	1,42192	1,026831885	ENST00000441009	339622	NR_046198	LOC339622
A_22_P00009802	2,03575	1,99756	1,026824768	ENST00000558089	145845	NR_024264	LOC145845
A_21_P0004686	1,5083	1,47012	1,02681765	ENST00000412745	154089	NR_027030	LINC01312
A_21_P0003907	1,43742	1,39925	1,026810533	N/A	N/A	N/A	Inc-RP11-171N4.2.1-1
A_23_P29680	1,43171	1,39355	1,026803416	ENST00000477224	79012	NM_024046	CAMKV
A_22_P00013969	1,62084	1,58268	1,026803416	N/A	N/A	HY018651	Inc-RTN1-1
A_22_P00016000	1,44276	1,4046	1,026803416	N/A	101928124	XR_241973	LOC101928124
A_21_P0005399	1,43695	1,3988	1,026796298	N/A	N/A	N/A	Inc-GATAD1-1
A_21_P0010245	1,61693	1,57878	1,026796298	N/A	N/A	N/A	Inc-WRB-2
A_21_P0008430	1,54098	1,50283	1,026796298	ENST00000556405	N/A	XR_245755	N/A
A_23_P322086	1,41775	1,3796	1,026796298	ENST00000256969	80763	NM_030572	SPX
A_22_P00021056	1,44128	1,40313	1,026796298	N/A	N/A	N/A	Inc-YBEY-3
A_24_P267592	4,41268	4,37454	1,026789181	ENST00000262878	25939	NM_015474	SAMHD1
A_33_P3264538	1,58652	1,54838	1,026789181	N/A	10454	NM_153497	TAB1
A_33_P3743432	1,5331	1,49497	1,026782064	ENST00000457582	449491	NR_073407	DEFA8P
A_21_P0001339	1,40451	1,36638	1,026782064	N/A	N/A	N/A	Inc-DR1-1
A_21_P0007228	1,49901	1,46088	1,026782064	N/A	N/A	N/A	Inc-MYE0V-3
A_33_P3415596	1,51698	1,47885	1,026782064	ENST00000598234	N/A	N/A	N/A
A_24_P281036	1,58488	1,54676	1,026774947	ENST00000397805	79782	NM_024727	LRRC31
A_21_P0014196	1,4654	1,42729	1,02676783	N/A	100506413	NR_103806	DOCK4-AS1
A_23_P324885	1,62244	1,58434	1,026760713	ENST00000445132	729230	NM_001123396	CCR2

A_22_P00021841	1,53967	1,50157	1,026760713	N/A	N/A	BX113914	Inc-NDUFAF2-1
A_21_P0010874	1,53368	1,49558	1,026760713	N/A	N/A	N/A	XLOC_I2_001960
A_23_P7412	1,60151	1,56342	1,026753596	ENST00000533815	79908	NM_001040462	BTNL8
A_23_P207675	8,9974	8,95932	1,026746479	N/A	113026	NM_133373	PLCD3
A_22_P00010574	1,61652	1,57844	1,026746479	ENST00000458480	N/A	N/A	N/A
A_33_P3344599	1,53236	1,49428	1,026746479	ENST00000377153	10277	N/A	UBE4B
A_22_P00021237	1,52983	1,49176	1,026739362	N/A	N/A	BC043379	Inc-FAM174B-5
A_33_P3266639	1,65013	1,61206	1,026739362	ENST00000341871	388335	NM_001004313	TMEM220
A_33_P3356366	1,56969	1,53162	1,026739362	N/A	N/A	N/A	N/A
A_21_P0008859	1,57465	1,53659	1,026732245	N/A	N/A	N/A	Inc-RP11-210M15.2.1-3
A_22_P00005547	1,37627	1,33821	1,026732245	ENST00000511793	N/A	AI218540	N/A
A_33_P3276301	1,59534	1,55728	1,026732245	ENST00000390367	N/A	S60797	N/A
A_21_P0014905	1,51406	1,476	1,026732245	N/A	N/A	N/A	N/A
A_21_P0001615	1,45546	1,41741	1,026725129	N/A	N/A	N/A	Inc-PLXNA2-1
A_21_P0012334	1,38024	1,3422	1,026718012	ENST00000457060	23783	NR_040115	ANKRD62P1-PARP4P3
A_22_P00020837	1,66951	1,63148	1,026710895	ENST00000446024	N/A	N/A	N/A
A_33_P3361023	1,4514	1,41338	1,026703779	ENST00000370375	388649	NM_001012425	C1orf146
A_22_P00006327	1,71504	1,67702	1,026703779	N/A	N/A	N/A	Inc-FAN1-1
A_22_P00025598	6,29674	6,25872	1,026703779	ENST00000422117	N/A	N/A	N/A
A_22_P00001431	1,62062	1,58261	1,026696662	N/A	N/A	N/A	Inc-APOB-2
A_24_P299423	1,54931	1,51131	1,026689546	ENST00000560241	3603	BC040272	IL16
A_22_P00023315	1,39052	1,35252	1,026689546	N/A	N/A	N/A	Inc-OGFOD1-1
A_21_P0011664	1,60879	1,57079	1,026689546	ENST00000455308	644669	N/A	LOC644669
A_33_P3339865	5,40368	5,36568	1,026689546	ENST00000380332	51806	NM_017422	CALML5
A_33_P3343452	1,57908	1,54109	1,026682429	ENST00000579292	374860	NM_001145029	ANKRD30B
A_21_P0001786	1,46997	1,43198	1,026682429	ENST00000413792	101929559	NR_110011	LINC00211
A_22_P00011477	1,61028	1,57229	1,026682429	ENST00000445300	N/A	N/A	N/A
A_22_P00009066	1,45706	1,41908	1,026675313	N/A	100874027	NR_046722	TPRG1-AS2
A_21_P0010846	1,52597	1,48799	1,026675313	N/A	N/A	N/A	XLOC_I2_001774
A_22_P00016797	1,58632	1,54834	1,026675313	ENST00000555649	N/A	N/A	N/A
A_22_P00005249	1,68821	1,65025	1,02666108	N/A	285987	NR_015448	DLX6-AS1
A_22_P00007793	1,51127	1,47332	1,026653964	N/A	N/A	N/A	Inc-HNRNPU-4
A_23_P422018	1,47983	1,44188	1,026653964	ENST00000328051	163778	NM_173080	SPRR4

A_22_P00023289	1,62638	1,58843	1,026653964	ENST00000502684	N/A	N/A	N/A
A_23_P62741	1,42844	1,3905	1,026646848	ENST00000401034	64123	NM_022159	ELTD1
A_22_P00004725	1,59068	1,55274	1,026646848	ENST00000583678	100852410	NR_046217	ZRANB2-AS2
A_21_P0007640	1,66098	1,62305	1,026639732	N/A	N/A	N/A	Inc-SRRM4-2
A_21_P0013509	1,40004	1,36211	1,026639732	N/A	N/A	N/A	XLOC_I2_014458
A_22_P00018586	1,65945	1,62153	1,026632616	ENST00000509423	N/A	N/A	N/A
A_21_P0006913	1,61866	1,58074	1,026632616	N/A	N/A	N/A	Inc-ADRA2A-1
A_22_P00010899	1,39364	1,35572	1,026632616	N/A	N/A	N/A	Inc-NPPC-1
A_19_P00322321	1,54024	1,50232	1,026632616	ENST00000448056	N/A	N/A	N/A
A_21_P0007232	1,37722	1,33931	1,026625499	N/A	N/A	N/A	Inc-NADSYN1-2
A_21_P0003191	1,58067	1,54276	1,026625499	N/A	N/A	N/A	Inc-TBL1XR1-6
A_21_P0002211	1,97104	1,93313	1,026625499	N/A	N/A	N/A	Inc-AC016722.2.1-1
A_22_P00007699	1,57687	1,53897	1,026618383	ENST00000607445	N/A	N/A	N/A
A_21_P0011117	1,44484	1,40694	1,026618383	N/A	N/A	N/A	XLOC_I2_003610
A_23_P421054	1,60963	1,57174	1,026611268	ENST00000489338	154313	NM_001031743	C6orf165
A_21_P0006476	1,53483	1,49694	1,026611268	N/A	N/A	N/A	Inc-AKAP17A-1
A_33_P3328863	1,49139	1,4535	1,026611268	ENST00000599531	57469	NM_020709	PNMAL2
A_33_P3340109	1,51847	1,48059	1,026604152	ENST00000398992	255649	N/A	OOSP1
A_21_P0009227	1,5597	1,52183	1,026597036	N/A	N/A	N/A	Inc-MPRIP-1
A_22_P00006781	1,6531	1,61524	1,02658992	ENST00000451438	N/A	N/A	N/A
A_33_P3329686	1,54746	1,5096	1,02658992	ENST00000406172	5413	NM_001009939	set-05
A_23_P203445	8,33556	8,2977	1,02658992	ENST00000540666	55293	NM_001040697	UEVLD
A_22_P00021947	1,42022	1,38237	1,026582804	N/A	N/A	N/A	Inc-LRRTM1-1
A_21_P0004005	1,60946	1,57161	1,026582804	ENST00000504876	25859	N/A	PART1
A_19_P00320881	1,57476	1,53691	1,026582804	ENST00000587904	100505474	NR_040025	LINC01539
A_21_P0002280	3,06398	3,02614	1,026575689	N/A	N/A	N/A	Inc-GLI2-3
A_33_P3564487	1,6306	1,59277	1,026568573	N/A	285878	NR_038994	VSTM2A-OT1
A_33_P3210009	1,53753	1,4997	1,026568573	ENST00000398112	285311	NM_001007534	C3orf56
A_21_P0009381	1,55991	1,52208	1,026568573	N/A	N/A	N/A	Inc-DHRS7B-2
A_33_P3335177	1,51695	1,47913	1,026561457	ENST00000436072	6424	NM_003014	SFRP4
A_22_P00000793	1,51594	1,47813	1,026554342	N/A	N/A	BX096751	Inc-ADSS-1
A_22_P00010883	1,66099	1,62318	1,026554342	N/A	N/A	N/A	Inc-NPC1-1
A_21_P0008174	1,62302	1,58521	1,026554342	N/A	N/A	N/A	Inc-PCDH20-4

A_33_P3256725	1,47351	1,4357	1,026554342	ENST00000377284	8395	NM_001278253	PIP5K1B
A_23_P92453	1,44023	1,40242	1,026554342	ENST00000507839	170825	NM_133267	GSX2
A_22_P00013683	8,22898	8,19118	1,026547226	N/A	N/A	BX508466	Inc-RP11-712L6.5.1-1
A_24_P219552	13,0801	13,0423	1,026547226	ENST00000357480	4779	NM_003204	NFE2L1
A_24_P193093	1,49315	1,45535	1,026547226	ENST00000590323	22914	NM_007360	KLRK1
A_33_P3395422	1,68533	1,64753	1,026547226	N/A	N/A	N/A	N/A
A_22_P00019263	1,61302	1,57522	1,026547226	N/A	259234	NR_027695	DSCR10
A_23_P418015	9,89939	9,86159	1,026547226	ENST00000413393	10982	NM_014268	MAPRE2
A_23_P427645	1,58141	1,54362	1,026540111	ENST00000061240	7092	NM_012464	TLL1
A_21_P0003423	1,58226	1,54448	1,026532995	ENST00000512609	N/A	N/A	N/A
A_22_P00006269	1,44056	1,40279	1,02652588	N/A	N/A	N/A	Inc-FAM71A-1
A_33_P3327470	4,93555	4,89779	1,026518765	N/A	N/A	N/A	N/A
A_33_P3746734	1,45898	1,42122	1,026518765	N/A	552859	NR_038901	LINC00251
A_33_P3256765	1,56284	1,52508	1,026518765	N/A	N/A	N/A	Inc-STOM-2
A_22_P00021753	1,50268	1,46493	1,026511649	ENST00000429507	N/A	N/A	N/A
A_21_P0000720	1,44152	1,40378	1,026504534	N/A	100616530	NR_038205	C8orf37-AS1
A_22_P00014058	1,64879	1,61105	1,026504534	ENST00000569751	N/A	N/A	N/A
A_21_P0009469	1,49579	1,45806	1,026497419	N/A	100506787	NR_110762	LINC01543
A_33_P3289482	1,409	1,37127	1,026497419	N/A	100129697	NM_001290330	LOC100129697
A_33_P3307663	1,70904	1,67131	1,026497419	N/A	N/A	BX099628	N/A
A_33_P3404829	1,6883	1,65058	1,026490304	ENST00000475340	54777	BC044661	CFAP46
A_33_P3421990	1,38964	1,35192	1,026490304	N/A	N/A	N/A	Inc-OTUD4-1
A_24_P942441	1,54671	1,509	1,026483189	ENST00000342183	9378	NM_001135659	NRXN1
A_24_P314786	1,62137	1,58366	1,026483189	ENST00000272716	57282	NM_022058	SLC4A10
A_21_P0012577	1,51337	1,47566	1,026483189	N/A	N/A	N/A	XLOC_I2_010602
A_22_P00006720	1,47889	1,44119	1,026476074	N/A	N/A	AK093071	Inc-FRMPD2-1
A_22_P00024840	1,46799	1,43029	1,026476074	ENST00000439798	N/A	N/A	N/A
A_22_P00003604	1,62833	1,59064	1,026468959	N/A	N/A	N/A	Inc-CD300C-1
A_22_P00004684	1,73497	1,69728	1,026468959	N/A	N/A	N/A	Inc-CTD-2210P24.4.1-2
A_21_P0014291	1,62698	1,58929	1,026468959	N/A	N/A	N/A	N/A
A_22_P00020631	1,5372	1,49952	1,026461844	N/A	100188954	NR_024130	DNMBP-AS1
A_23_P93960	1,48388	1,4462	1,026461844	ENST00000452758	136242	NM_001008270	PRSS37
A_21_P0011019	1,62738	1,5897	1,026461844	N/A	N/A	N/A	XLOC_I2_002775

A_22_P00001958	5,64874	5,61107	1,026454729	ENST00000418770	29994	NR_110586	BAZ2B
A_21_P0011880	7,18067	7,143	1,026454729	ENST00000415129	N/A	N/A	N/A
A_23_P208182	1,42619	1,38852	1,026454729	ENST00000339313	89790	NM_033130	SIGLEC10
A_23_P44264	1,6235	1,58583	1,026454729	ENST00000442245	2018	NM_004098	EMX2
A_33_P3493097	1,60843	1,57076	1,026454729	N/A	648149	AK123349	LOC648149
A_21_P0004035	1,52842	1,49075	1,026454729	ENST00000509602	N/A	N/A	N/A
A_22_P00020048	1,63326	1,59559	1,026454729	ENST00000437118	N/A	N/A	N/A
A_21_P0011378	1,47848	1,44082	1,026447614	N/A	N/A	N/A	XLOC_I2_004951
A_22_P00003947	1,70062	1,66296	1,026447614	ENST00000440698	730100	XR_245003	LOC730100
A_22_P00006226	1,61766	1,58001	1,026440499	N/A	N/A	N/A	Inc-FAM50B-1
A_22_P00007487	1,47181	1,43416	1,026440499	ENST00000526355	2977	NM_001256424	GUCY1A2
A_21_P0002467	1,56876	1,53111	1,026440499	N/A	N/A	N/A	Inc-SUCLG1-2
A_22_P00007683	3,76781	3,73016	1,026440499	ENST00000565305	102723640	XR_424604	LOC102723640
A_33_P3404236	1,47112	1,43348	1,026433385	ENST00000618242	100127889	NM_001130446	C10orf131
A_21_P0006714	1,56601	1,52837	1,026433385	ENST00000451295	N/A	N/A	N/A
A_22_P00002818	1,6755	1,63786	1,026433385	ENST00000622970	101927070	NR_126337	LOC101927070
A_23_P382240	1,45888	1,42124	1,026433385	ENST00000488505	219623	NM_178505	TMEM26
A_33_P3334150	1,50818	1,47055	1,02642627	ENST00000425243	N/A	N/A	N/A
A_33_P3228603	1,51694	1,47932	1,026419155	N/A	N/A	N/A	N/A
A_33_P3255939	1,40707	1,36945	1,026419155	N/A	N/A	AK093351	N/A
A_22_P00007475	1,70685	1,66923	1,026419155	N/A	N/A	N/A	Inc-GTF2I-1
A_22_P00006424	1,54448	1,50687	1,026412041	ENST00000518970	N/A	AK091860	N/A
A_33_P3452292	1,60763	1,57002	1,026412041	N/A	N/A	AF130090	N/A
A_22_P00016388	1,68021	1,6426	1,026412041	N/A	100873990	NR_046608	HCFC1-AS1
A_33_P3385441	1,43418	1,39657	1,026412041	N/A	N/A	N/A	N/A
A_33_P3249037	1,57368	1,53608	1,026404926	ENST00000370354	79057	N/A	PRRG3
A_32_P41292	13,5847	13,5471	1,026404926	ENST00000460044	7417	NM_003375	VDAC2
A_21_P0000504	7,19427	7,15668	1,026397812	N/A	100151684	NR_023344	RNU6ATAC
A_22_P00021688	1,44358	1,40599	1,026397812	N/A	N/A	BC038780	Inc-C2orf49-2
A_22_P00002505	1,62133	1,58374	1,026397812	ENST00000566607	N/A	AK123174	N/A
A_22_P00004132	1,52344	1,48585	1,026397812	ENST00000518846	N/A	BG719813	N/A
A_21_P0004646	1,58466	1,54708	1,026390697	N/A	N/A	N/A	Inc-ANKS1A-1
A_21_P0009414	1,65878	1,6212	1,026390697	N/A	N/A	N/A	Inc-BTBD17-4

A_21_P0005346	1,502	1,46443	1,026383583	N/A	N/A	N/A	Inc-FAM20C-7
A_21_P0003028	1,68382	1,64625	1,026383583	N/A	N/A	N/A	Inc-CCDC37-1
A_24_P103893	1,65071	1,61314	1,026383583	ENST00000370546	60495	NM_021828	HPSE2
A_23_P353679	1,52201	1,48444	1,026383583	ENST00000392487	55891	NM_018655	LENEP
A_21_P0008637	1,68377	1,6462	1,026383583	N/A	101928611	NR_120337	LINC01413
A_33_P3287108	1,49945	1,46188	1,026383583	ENST00000321639	124842	XM_006721692	TMEM132E
A_21_P0009602	1,71198	1,67442	1,026376469	ENST00000587189	101927433	NR_110779	LINC01255
A_22_P00014977	7,0213	6,98375	1,026369355	N/A	N/A	N/A	Inc-SMARCC2-3
A_21_P0007186	1,37486	1,33732	1,02636224	N/A	N/A	N/A	Inc-NELL1-1
A_21_P0011771	1,55717	1,51964	1,026355126	ENST00000473762	N/A	N/A	N/A
A_21_P0010629	1,70496	1,66743	1,026355126	N/A	N/A	N/A	XL0C_I2_000961
A_21_P0002755	1,64548	1,60796	1,026348012	ENST00000496674	N/A	N/A	N/A
A_22_P00001599	1,62959	1,59207	1,026348012	ENST00000529491	N/A	N/A	N/A
A_23_P500433	5,29597	5,25845	1,026348012	ENST00000485975	64170	NM_052813	CARD9
A_33_P3264740	1,58218	1,54467	1,026340898	N/A	100132850	AK126791	LOC100132850
A_23_P114808	11,2941	11,2566	1,026333784	ENST00000478505	51102	NM_001024732	MECR
A_33_P3356557	1,64671	1,60921	1,026333784	ENST00000333976	219438	NM_001001952	OR5D18
A_22_P00019700	1,45283	1,41534	1,02632667	ENST00000414407	100874158	N/A	LINC00398
A_22_P00015136	1,46858	1,43109	1,02632667	N/A	N/A	N/A	Inc-SOCS2-2
A_22_P00003322	1,50964	1,47216	1,026319556	N/A	N/A	N/A	Inc-CARNS1-1
A_23_P374226	1,54919	1,51171	1,026319556	ENST00000298181	280658	NM_173358	SSX7
A_33_P3385121	1,57769	1,54022	1,026312442	N/A	100129322	AK127678	LOC100129322
A_24_P273489	1,60526	1,56779	1,026312442	ENST00000372150	387694	NM_207372	SH2D4B
A_22_P00010334	1,44375	1,40629	1,026305328	N/A	N/A	N/A	Inc-MYBBP1A-1
A_22_P00012368	1,62318	1,58572	1,026305328	N/A	N/A	BX105856	Inc-PREX2-1
A_33_P3273737	1,5866	1,54914	1,026305328	N/A	100129449	AF130063	LOC100129449
A_33_P3370989	1,48795	1,4505	1,026298214	N/A	N/A	AF210650	N/A
A_33_P3371553	1,55972	1,52227	1,026298214	N/A	642757	NR_122047	TBC1D22A-AS1
A_21_P0001890	1,57343	1,536	1,026283987	ENST00000414442	150568	N/A	LINC01102
A_23_P86064	1,54435	1,50692	1,026283987	ENST00000468172	79802	NM_024746	HHIPL2
A_23_P144549	1,66321	1,62581	1,026262646	ENST00000226284	3381	NM_004967	IBSP
A_33_P3722782	1,66192	1,62453	1,026255533	N/A	220980	NR_033842	TMEM72-AS1
A_21_P0008163	1,475	1,43762	1,026248419	N/A	N/A	N/A	Inc-INTS6-2

A_21_P0003847	1,47435	1,43697	1,026248419	N/A	N/A	N/A	Inc-EGF-1
A_33_P3876414	1,66111	1,62373	1,026248419	N/A	53400	AJ272176	SMG6-IT1
A_33_P3274313	1,58034	1,54296	1,026248419	ENST00000547175	N/A	M20839	N/A
A_21_P0008676	1,38588	1,34851	1,026241306	N/A	101927025	XR_243235	LOC101927025
A_33_P3217845	1,61151	1,57415	1,026234193	ENST00000396188	339967	NM_182606	TMPRSS11A
A_22_P00009450	1,60142	1,56407	1,026227079	N/A	N/A	N/A	Inc-MAB21L1-1
A_21_P0002109	1,4409	1,40355	1,026227079	ENST00000432431	N/A	N/A	N/A
A_33_P3316088	1,90324	1,86589	1,026227079	N/A	N/A	N/A	Inc-BTF3L4-2
A_21_P0008098	1,4393	1,40195	1,026227079	N/A	N/A	N/A	Inc-SLITRK5-11
A_33_P3389518	1,44692	1,40958	1,026219966	ENST00000370434	1244	U66683	ABCC2
A_33_P3290139	1,61633	1,57899	1,026219966	ENST00000451215	142685	NM_001290258	ASB15
A_21_P0002233	1,65516	1,61782	1,026219966	N/A	N/A	N/A	Inc-MEIS1-3
A_21_P0004712	1,56576	1,52842	1,026219966	ENST00000413324	102724357	XR_426116	LOC102724357
A_23_P92909	1,43669	1,39935	1,026219966	ENST00000621437	404203	NM_205841	SPINK6
A_33_P3372004	1,65125	1,61392	1,026212853	ENST00000268389	10261	NM_005849	IGSF6
A_21_P0008027	1,54154	1,50421	1,026212853	N/A	N/A	N/A	Inc-FGF9-2
A_22_P00004500	1,57484	1,53753	1,026198627	N/A	N/A	N/A	Inc-CPPED1-4
A_22_P00014275	1,38323	1,34592	1,026198627	N/A	N/A	N/A	Inc-SENP8-1
A_23_P24997	14,0795	14,0422	1,026191514	ENST00000552713	1019	NM_000075	CDK4
A_32_P106933	3,9431	3,9058	1,026191514	ENST00000573319	400500	NR_024049	BCAR4
A_21_P0010422	1,51125	1,47395	1,026191514	N/A	N/A	N/A	Inc-GRAMD4-1
A_23_P329740	17,5582	17,5209	1,026191514	ENST00000339647	7316	NM_021009	UBC
A_22_P00004082	1,57186	1,53457	1,026184401	ENST00000440189	N/A	N/A	N/A
A_33_P3395788	1,54967	1,51238	1,026184401	N/A	N/A	N/A	N/A
A_21_P0010607	1,60401	1,56672	1,026184401	N/A	N/A	N/A	XLOC_I2_000866
A_33_P3305973	1,49853	1,46124	1,026184401	ENST00000473404	N/A	N/A	N/A
A_21_P0009397	1,53116	1,49388	1,026177288	ENST00000587575	101928674	NR_110845	LOC101928674
A_33_P3253209	1,63335	1,59608	1,026170175	ENST00000417432	N/A	N/A	N/A
A_22_P00016632	1,44108	1,40382	1,026163062	ENST00000567486	N/A	XR_241158	N/A
A_21_P0006492	1,59684	1,55959	1,026155949	N/A	N/A	N/A	Inc-MAOA-2
A_23_P312505	1,62514	1,58789	1,026155949	ENST00000526139	7299	NM_000372	TYR
A_22_P00003499	6,95703	6,91979	1,026148836	ENST00000529607	100506282	AL359570	LOC100506282
A_22_P00017011	1,53194	1,4947	1,026148836	N/A	440556	NR_015440	LINC00982



A_21_P0005049	1,37607	1,33883	1,026148836	N/A	N/A	N/A	Inc-SLC22A16-1
A_21_P0000786	1,38016	1,34292	1,026148836	N/A	100131047	NR_038401	LOC100131047
A_33_P3363710	1,65025	1,61302	1,026141724	N/A	100128075	AK130927	LOC100128075
A_22_P00004370	1,61402	1,57679	1,026141724	N/A	101928358	NR_110652	LOC101928358
A_21_P0014192	7,84961	7,8124	1,026127499	N/A	N/A	N/A	N/A
A_23_P150768	1,4857	1,44849	1,026127499	ENST00000341411	11309	NM_007256	SLCO2B1
A_23_P553	10,5558	10,5186	1,026120386	ENST00000467982	80222	NM_025150	TARS2
A_21_P0007165	1,40047	1,36327	1,026120386	N/A	N/A	N/A	Inc-ATHL1-1
A_22_P00018717	1,387	1,3498	1,026120386	N/A	N/A	N/A	Inc-DHRS7-2
A_21_P0008517	6,92427	6,88707	1,026120386	N/A	100506476	N/A	LOC100506476
A_22_P00007554	1,56878	1,53158	1,026120386	ENST00000602324	102238594	NR_108100	SPACA6P-AS
A_22_P00005670	1,63237	1,59517	1,026120386	N/A	51352	NR_120549	WT1-AS
A_22_P00001805	1,63312	1,59592	1,026120386	ENST00000523103	100874051	NR_047509	LZTS1-AS1
A_22_P00014432	1,71261	1,67542	1,026113273	N/A	N/A	N/A	Inc-SGTB-2
A_33_P3271651	1,5761	1,53892	1,026106161	ENST00000471170	3115	NM_002121	HLA-DPB1
A_21_P0003855	1,44247	1,40529	1,026106161	N/A	N/A	N/A	Inc-FAM160A1-7
A_21_P0003875	1,54747	1,51029	1,026106161	N/A	N/A	N/A	Inc-ZFP42-2
A_24_P140057	1,46685	1,42968	1,026099049	ENST00000410059	57628	NM_020868	DPP10
A_21_P0004415	1,64012	1,60295	1,026099049	N/A	N/A	N/A	Inc-FAM169A-1
A_21_P0002913	1,39507	1,35791	1,026091936	N/A	N/A	N/A	Inc-DCUN1D1-2
A_22_P00009597	1,48036	1,4432	1,026091936	N/A	N/A	N/A	Inc-MAPK6-8
A_22_P00014839	1,39145	1,3543	1,026084824	N/A	N/A	N/A	Inc-SLC47A2-1
A_22_P00014630	1,3809	1,34375	1,026084824	ENST00000552378	N/A	N/A	N/A
A_33_P8914999	1,5282	1,49106	1,026077712	N/A	101928372	NR_110695	LOC101928372
A_21_P0004082	1,60297	1,56584	1,0260706	ENST00000521116	3187	N/A	HNRNPH1
A_19_P00801407	1,66956	1,63243	1,0260706	ENST00000506431	N/A	N/A	N/A
A_22_P00019443	1,57701	1,53989	1,026063487	N/A	N/A	N/A	Inc-ABI1-4
A_33_P3319251	1,57946	1,54234	1,026063487	ENST00000556397	N/A	N/A	N/A
A_21_P0006941	2,75045	2,71333	1,026063487	N/A	102723337	XR_424194	LOC102723337
A_21_P0009986	1,51097	1,47386	1,026056375	ENST00000441660	100506470	NR_109919	LOC100506470
A_22_P00008414	1,58052	1,54341	1,026056375	ENST00000554526	N/A	N/A	N/A
A_33_P3292560	14,7978	14,7607	1,026049263	ENST00000615505	6834	NM_003172	SURF1
A_21_P0005789	1,50122	1,46412	1,026049263	ENST00000518926	N/A	N/A	N/A

A_23_P17190	3,28233	3,24525	1,026035039	ENST00000284669	10324	NM_006063	KLHL41
A_22_P00019827	1,57981	1,54274	1,026027927	N/A	101929614	XR_245646	LOC101929614
A_21_P0006763	1,71467	1,67761	1,026020815	ENST00000444155	N/A	N/A	N/A
A_22_P00016594	1,55936	1,5223	1,026020815	ENST00000418591	102723329	XR_425529	LOC102723329
A_22_P00016618	1,68153	1,64448	1,026013704	ENST00000445278	N/A	N/A	N/A
A_22_P00005189	1,63904	1,60199	1,026013704	ENST00000561261	N/A	N/A	N/A
A_33_P3329939	1,44813	1,41109	1,026006592	ENST00000430626	N/A	N/A	N/A
A_22_P00011418	1,50594	1,46891	1,02599948	N/A	N/A	N/A	Inc-PAK6-1
A_33_P3276818	1,5743	1,53729	1,025985257	ENST00000370618	346007	NM_001142800	EYS
A_22_P00008843	1,44339	1,40639	1,025978145	ENST00000413993	N/A	N/A	N/A
A_24_P359671	1,38826	1,35127	1,025971034	ENST00000294649	22854	AB023193	NTNG1
A_23_P368886	1,56	1,52302	1,025963922	ENST00000305031	337876	NM_175856	CHSY3
A_21_P0007488	1,60923	1,57225	1,025963922	ENST00000551399	101928420	NR_120468	LINC01490
A_22_P00012636	1,52911	1,49213	1,025963922	ENST00000564354	N/A	N/A	N/A
A_24_P400842	1,44044	1,40347	1,025956811	ENST00000569510	57188	NM_207517	ADAMTSL3
A_22_P00003055	1,4414	1,40444	1,0259497	N/A	N/A	N/A	Inc-C8orf17-1
A_33_P3329356	1,60335	1,56639	1,0259497	N/A	N/A	N/A	Inc-HADH-1
A_22_P00003789	1,62774	1,59079	1,025942588	N/A	N/A	N/A	Inc-CDK5R1-3
A_21_P0007418	1,49801	1,46106	1,025942588	N/A	N/A	N/A	Inc-ETS1-2
A_21_P0004952	1,56267	1,52572	1,025942588	N/A	N/A	N/A	Inc-PHACTR2-2
A_22_P00005623	1,49048	1,45353	1,025942588	N/A	N/A	N/A	Inc-EGR3-1
A_21_P0010908	1,62949	1,59254	1,025942588	N/A	N/A	N/A	XLOC_I2_002160
A_33_P3394223	1,57146	1,53452	1,025935477	N/A	N/A	BC087847	N/A
A_21_P0013034	1,63848	1,60155	1,025928366	ENST00000368966	221262	N/A	CCDC162P
A_22_P00025756	1,41668	1,37975	1,025928366	ENST00000546699	N/A	N/A	N/A
A_21_P0006856	1,64737	1,61045	1,025921255	N/A	N/A	N/A	Inc-ANKRD30A-6
A_21_P0013897	1,71388	1,67696	1,025921255	N/A	N/A	N/A	XLOC_I2_015952
A_22_P00011940	8,03045	7,99353	1,025921255	ENST00000541293	N/A	N/A	N/A
A_22_P00012460	1,5132	1,47629	1,025914143	N/A	N/A	BC042014	Inc-PRR11-2
A_22_P00009036	1,64258	1,60567	1,025914143	ENST00000511735	N/A	N/A	N/A
A_33_P3256695	9,26574	9,22883	1,025914143	ENST00000410080	55660	NM_017892	PRPF40A
A_33_P3270172	1,70777	1,67087	1,025907032	N/A	127841	NR_027022	LINC00628
A_21_P0000467	1,64079	1,60389	1,025907032	N/A	N/A	N/A	N/A

A_33_P3365582	1,45524	1,41834	1,025907032	ENST00000407811	25780	NM_001139488	RASGRP3
A_23_P217088	10,722	10,6851	1,025907032	ENST00000550143	203	NM_000476	AK1
A_22_P00012950	1,53135	1,49446	1,025899921	N/A	N/A	BU154703	Inc-RDX-2
A_33_P3380702	1,45623	1,41934	1,025899921	ENST00000333973	219437	NM_001004738	OR5L1
A_21_P0002063	1,47684	1,43997	1,0258857	ENST00000415448	N/A	N/A	N/A
A_21_P0006210	1,51482	1,47796	1,025878589	N/A	N/A	N/A	Inc-ACTL7A-2
A_21_P0000675	1,54268	1,50582	1,025878589	ENST00000528139	100287846	NR_037168	LOC100287846
A_21_P0004911	1,45939	1,42254	1,025871478	N/A	N/A	N/A	Inc-KLHL32-4
A_33_P3263202	1,58412	1,54727	1,025871478	N/A	N/A	N/A	N/A
A_33_P3400700	1,58371	1,54686	1,025871478	ENST00000356767	375611	NM_206885	SLC26A5
A_24_P655849	1,4425	1,40565	1,025871478	ENST00000379826	4093	NM_001127217	SMAD9
A_33_P3405769	1,55313	1,51628	1,025871478	ENST00000432826	441864	NM_001135686	TARM1
A_21_P0003641	1,75427	1,71744	1,025857256	ENST00000419264	N/A	N/A	N/A
A_21_P0009705	1,73602	1,6992	1,025850146	N/A	N/A	N/A	Inc-URI1-1
A_21_P0000995	1,53351	1,4967	1,025843035	N/A	N/A	N/A	Inc-ABCD3-4
A_19_P00802607	1,42272	1,38591	1,025843035	N/A	N/A	N/A	Inc-HK2-1
A_23_P112341	10,239	10,2022	1,025835924	ENST00000325875	80010	NM_024945	RMI1
A_23_P102083	1,44808	1,41128	1,025835924	ENST00000433157	66037	NM_033030	BOLL
A_23_P424126	1,59771	1,56091	1,025835924	ENST00000315475	30832	NM_014594	ZNF354C
A_22_P00013827	5,62817	5,59137	1,025835924	ENST00000427055	645784	NR_015424	ANKRD36BP2
A_21_P0004464	1,68545	1,64866	1,025828814	N/A	N/A	N/A	Inc-PANK3-1
A_21_P0013594	1,61133	1,57454	1,025828814	N/A	N/A	N/A	XLOC_I2_014865
A_33_P3381398	1,51369	1,4769	1,025828814	ENST00000277905	11023	NM_199131	VAX1
A_23_P322756	1,47928	1,4425	1,025821703	ENST00000373644	80312	NM_030625	TET1
A_23_P7835	1,67628	1,6395	1,025821703	ENST00000369303	2045	NM_004440	EPHA7
A_23_P85269	1,50392	1,46714	1,025821703	ENST00000615779	7273	NM_133378	TTN
A_19_P00810274	1,75508	1,71831	1,025814593	ENST00000420725	101928201	N/A	LOC101928201
A_22_P00011245	1,59213	1,55536	1,025814593	ENST00000439471	N/A	N/A	N/A
A_22_P00001389	1,68971	1,65295	1,025807483	N/A	N/A	N/A	Inc-AP3S1-5
A_33_P3369894	1,59497	1,55821	1,025807483	N/A	N/A	AK125616	N/A
A_33_P3268167	9,37909	9,34233	1,025807483	N/A	N/A	N/A	N/A
A_33_P3270628	3,00887	2,97212	1,025800372	N/A	N/A	BE468260	Inc-EYA3-1
A_22_P00025015	1,49976	1,46301	1,025800372	N/A	N/A	DA528960	Inc-AC117834.1-1

A_33_P3301124	1,58905	1,5523	1,025800372	N/A	N/A	N/A	N/A
A_21_P0001532	1,5772	1,54045	1,025800372	N/A	N/A	N/A	Inc-RP4-604K5.1.1-5
A_33_P3246829	9,3987	9,36196	1,025793262	ENST00000409930	3557	NM_173843	IL1RN
A_21_P0011628	1,42015	1,38341	1,025793262	ENST00000455460	102723487	NR_110874	LINC01497
A_21_P0001833	1,66052	1,62378	1,025793262	ENST00000444804	N/A	N/A	N/A
A_22_P00016097	1,54152	1,50479	1,025786152	ENST00000432505	152024	NR_026834	LINC00691
A_32_P320247	1,66794	1,63123	1,025771931	ENST00000242994	58158	NM_021191	NEUROD4
A_21_P0001285	1,58677	1,55006	1,025771931	N/A	N/A	N/A	Inc-UTP11L-2
A_23_P142070	1,3763	1,33959	1,025771931	ENST00000621731	26526	NM_012466	TSPAN16
A_23_P200252	10,0702	10,0335	1,025764821	ENST00000479125	84284	NM_032324	NTPCR
A_23_P132004	1,56767	1,53097	1,025764821	ENST00000490499	128861	NM_178466	BPIFA3
A_21_P0009261	1,70438	1,66769	1,025757711	N/A	N/A	N/A	Inc-MSI2-2
A_33_P3418846	1,49188	1,45519	1,025757711	ENST00000456608	N/A	N/A	N/A
A_22_P00009394	1,56361	1,52692	1,025757711	ENST00000555313	N/A	N/A	N/A
A_21_P0008608	1,57786	1,54118	1,025750601	N/A	N/A	N/A	Inc-C15orf41-6
A_21_P0006842	1,67403	1,63736	1,025743491	N/A	N/A	N/A	Inc-KIAA1217-1
A_22_P00005298	1,52387	1,4872	1,025743491	ENST00000440208	N/A	N/A	N/A
A_22_P00003733	1,57313	1,53646	1,025743491	ENST00000561595	N/A	N/A	N/A
A_21_P0003787	1,57816	1,5415	1,025736382	N/A	N/A	N/A	Inc-FBXW7-2
A_33_P3340655	1,62041	1,58376	1,025729272	ENST00000536676	114792	NM_052904	KLHL32
A_22_P00005228	1,62438	1,58773	1,025729272	ENST00000554369	100507242	XR_429410	SNHG23
A_23_P212089	9,28119	9,24454	1,025729272	ENST00000326172	64332	NM_031419	NFKBIZ
A_21_P0009436	1,6344	1,59776	1,025722162	N/A	N/A	N/A	Inc-CETN1-1
A_22_P00012444	1,54674	1,5101	1,025722162	ENST00000456240	N/A	N/A	N/A
A_22_P00020667	1,55475	1,51811	1,025722162	N/A	N/A	CD244325	Inc-NAPG-3
A_22_P00002530	1,51665	1,48001	1,025722162	ENST00000585243	101928325	XR_243591	LOC101928325
A_22_P00001390	1,57699	1,54035	1,025722162	N/A	N/A	BC017346	Inc-AP3S1-6
A_23_P130158	9,45506	9,41845	1,025700833	ENST00000611547	7473	NM_030753	WNT3
A_23_P361744	1,52572	1,48911	1,025700833	ENST00000380622	92552	NM_001135995	ATXN3L
A_22_P00012144	1,52667	1,49006	1,025700833	N/A	N/A	BX116146	Inc-POLR3E-1
A_22_P00013110	1,48982	1,45322	1,025693723	N/A	N/A	N/A	Inc-RIOK2-1
A_24_P207995	1,65476	1,61818	1,025679504	ENST00000361699	3897	NM_000425	L1CAM
A_21_P0007003	1,57372	1,53714	1,025679504	N/A	N/A	N/A	Inc-C10orf105-2

A_33_P3245671	1,37433	1,33775	1,025679504	N/A	100127940	AK090626	LOC100127940
A_21_P0004033	1,4646	1,42802	1,025679504	ENST00000513812	N/A	N/A	N/A
A_21_P0010610	1,62184	1,58526	1,025679504	N/A	N/A	N/A	XLOC_I2_000894
A_21_P0004552	1,39389	1,35732	1,025672395	ENST00000505443	285577	NR_033898	LINC01019
A_33_P3418631	1,57555	1,53899	1,025665285	ENST00000462928	647107	N/A	LINC01192
A_21_P0004399	1,65142	1,61487	1,025658176	N/A	N/A	N/A	Inc-PLK2-1
A_33_P3266739	1,68854	1,652	1,025651067	ENST00000604724	401492	NR_033863	LINC01235
A_33_P3240115	5,57367	5,53713	1,025651067	ENST00000378719	23176	NM_001098811	set-08
A_33_P3314081	1,54928	1,51275	1,025643957	N/A	N/A	DA959652	N/A
A_23_P96658	1,62513	1,58862	1,025629739	ENST00000253320	246126	NR_045128	TXLNGY
A_33_P3385081	1,37688	1,34038	1,02562263	ENST00000409243	N/A	BX119026	N/A
A_33_P3308468	1,62598	1,58948	1,02562263	ENST00000326010	51733	NM_016327	UPB1
A_21_P0003661	1,65062	1,61412	1,02562263	N/A	N/A	N/A	Inc-LSM6-1
A_24_P89512	12,1522	12,1157	1,02562263	ENST00000527613	9774	NM_014739	BCLAF1
A_21_P0005106	1,40408	1,36759	1,025615521	N/A	N/A	N/A	Inc-BMP6-9
A_33_P3401169	4,75529	4,7188	1,025615521	ENST00000331828	N/A	N/A	N/A
A_22_P00013277	1,45328	1,4168	1,025608412	N/A	N/A	N/A	Inc-RP11-105C20.2.1-1
A_21_P0001359	1,60997	1,57349	1,025608412	N/A	N/A	N/A	Inc-PRMT6-2
A_22_P00010273	1,60201	1,56555	1,025594194	ENST00000564469	N/A	N/A	N/A
A_22_P00011767	1,45816	1,4217	1,025594194	ENST00000431209	N/A	N/A	N/A
A_21_P0006957	1,57592	1,53946	1,025594194	N/A	N/A	N/A	Inc-AKR1C2-3
A_22_P00015788	1,56653	1,53007	1,025594194	N/A	N/A	N/A	Inc-TARBP1-3
A_33_P3228977	1,4584	1,42195	1,025587085	ENST00000382893	7404	BC012581	UTY
A_22_P00004727	1,55425	1,5178	1,025587085	N/A	N/A	BX104750	Inc-CTH-7
A_22_P00018396	1,64289	1,60645	1,025579976	N/A	101929227	XR_246492	LOC101929227
A_21_P0005286	1,63687	1,60043	1,025579976	ENST00000418764	N/A	N/A	N/A
A_33_P3414494	1,60421	1,56777	1,025579976	N/A	N/A	N/A	N/A
A_22_P00022419	1,57668	1,54025	1,025572868	N/A	100874107	NR_046378	MTUS2-AS1
A_22_P00008082	1,65861	1,62219	1,025565759	N/A	N/A	N/A	Inc-IKZF2-5
A_22_P00003330	1,40235	1,36593	1,025565759	N/A	101927417	XR_425126	LOC101927417
A_22_P00011005	1,53921	1,5028	1,02555865	N/A	N/A	N/A	Inc-NSRP1-1
A_21_P0009272	1,45127	1,41486	1,02555865	ENST00000569279	101928343	XR_424867	LOC101928343
A_33_P3383836	1,45223	1,41583	1,025551542	ENST00000555170	114088	NM_015163	TRIM9

A_33_P3416757	1,49591	1,45951	1,025551542	ENST00000348262	5618	NM_001204315	PRLR
A_33_P3275330	6,83906	6,80266	1,025551542	ENST00000492768	65220	NM_023018	NADK
A_24_P917833	13,0932	13,0568	1,025551542	ENST00000303575	10972	NM_006827	TMED10
A_21_P0011996	1,51218	1,47579	1,025544433	ENST00000444955	100506274	N/A	LOC100506274
A_22_P00022951	1,65482	1,61843	1,025544433	N/A	N/A	N/A	Inc-SLC6A9-1
A_22_P00020405	1,68203	1,64564	1,025544433	N/A	N/A	N/A	Inc-FAM78A-3
A_22_P00024884	1,52929	1,49291	1,025537325	N/A	101928627	NR_110412	LOC101928627
A_24_P203103	1,50805	1,47167	1,025537325	ENST00000371139	4068	NM_002351	SH2D1A
A_21_P0007356	1,6246	1,58823	1,025530216	N/A	N/A	N/A	Inc-FTH1-1
A_33_P3209541	3,97476	3,93839	1,025530216	ENST00000534167	340390	NR_024207	KIAA1875
A_23_P91970	1,38348	1,34712	1,025523108	ENST00000356517	344752	NM_207365	AADACL2
A_21_P0003671	1,60563	1,56927	1,025523108	N/A	N/A	N/A	Inc-NPY5R-2
A_21_P0002392	1,56712	1,53077	1,025515999	ENST00000592229	N/A	N/A	N/A
A_33_P3417215	1,51573	1,47939	1,025508891	ENST00000378431	971	AK309268	CD72
A_21_P0005890	1,37288	1,33655	1,025501783	N/A	N/A	N/A	Inc-EXT1-3
A_22_P00008017	1,65994	1,62361	1,025501783	N/A	N/A	N/A	Inc-IFT20-2
A_33_P3279539	1,44211	1,40579	1,025494675	ENST00000416110	252949	NR_001526	TTY17A
A_24_P397613	1,48799	1,45168	1,025487566	ENST00000519613	4988	NM_001008504	OPRM1
A_23_P154315	12,0127	11,9764	1,025480458	ENST00000258455	64965	NM_182640	MRPS9
A_22_P00017074	3,80015	3,76385	1,025480458	N/A	100874085	NR_046633	NUCB1-AS1
A_33_P3210488	1,58086	1,54457	1,02547335	ENST00000409809	1293	NM_004369	COL6A3
A_33_P3338392	1,62219	1,58591	1,025466242	ENST00000489661	63977	NM_022115	PRDM15
A_23_P126416	1,58915	1,55287	1,025466242	ENST00000372476	7075	NM_005424	TIE1
A_23_P316612	4,37759	4,34132	1,025459134	ENST00000312233	148979	NM_147193	GLIS1
A_21_P0005888	1,55678	1,52051	1,025459134	N/A	N/A	N/A	Inc-EXT1-4
A_21_P0007214	1,46453	1,4283	1,025430703	N/A	N/A	N/A	Inc-PGA3-1
A_33_P3255051	1,51869	1,48246	1,025430703	ENST00000448609	N/A	N/A	N/A
A_21_P0000422	1,44288	1,40665	1,025430703	ENST00000554693	767606	NR_003219	SNORD114-26
A_33_P3374633	1,44147	1,40525	1,025423595	N/A	N/A	CB852070	N/A
A_21_P0007991	1,53693	1,50071	1,025423595	N/A	N/A	N/A	Inc-C13orf44-2
A_33_P3335540	1,54351	1,50729	1,025423595	N/A	N/A	N/A	N/A
A_22_P00015827	1,54094	1,50474	1,02540938	ENST00000434707	339685	N/A	LOC339685
A_33_P3239714	1,47803	1,44183	1,02540938	N/A	N/A	N/A	N/A

A_21_P0007081	2,0272	1,99101	1,025402272	N/A	N/A	N/A	Inc-EMX2-5
A_33_P3370736	1,68455	1,64836	1,025402272	N/A	N/A	AK128018	Inc-NCOA3-1
A_22_P00009907	1,54089	1,5047	1,025402272	ENST00000550014	25834	NM_013244	MGAT4C
A_22_P00022768	1,47203	1,43585	1,025395165	ENST00000441444	N/A	N/A	N/A
A_22_P00019144	1,69504	1,65886	1,025395165	ENST00000454477	101927362	XR_245051	LOC101927362
A_32_P55135	1,55171	1,51553	1,025395165	ENST00000376919	6756	NM_005635	SSX1
A_21_P0014027	1,5516	1,51543	1,025388057	N/A	N/A	N/A	N/A
A_21_P0007863	1,62864	1,59247	1,025388057	ENST00000545535	101930457	XR_247882	LOC101930457
A_21_P0004554	1,48042	1,44427	1,025373843	N/A	N/A	N/A	Inc-OXCT1-1
A_33_P3328990	1,51777	1,48162	1,025373843	N/A	N/A	AK310283	N/A
A_23_P84230	1,56915	1,533	1,025373843	ENST00000306422	23440	NM_032109	OTP
A_22_P00020458	1,64857	1,61242	1,025373843	N/A	N/A	AK093033	Inc-AC131971.1-1
A_21_P0007849	1,63501	1,59886	1,025373843	N/A	N/A	N/A	Inc-RP11-552114.1.1-1
A_33_P3261463	1,56805	1,53191	1,025366735	N/A	440556	AL713743	LINC00982
A_23_P168266	1,473	1,43687	1,025359628	ENST00000434551	134860	NM_175057	TAAR9
A_22_P00006279	1,60669	1,57058	1,025345414	N/A	N/A	N/A	Inc-FAM76B-1
A_21_P0008100	1,53649	1,50038	1,025345414	N/A	N/A	N/A	Inc-SLITRK5-4
A_22_P00004749	1,43487	1,39876	1,025345414	ENST00000525758	N/A	BX647519	N/A
A_22_P00003888	6,73463	6,69852	1,025345414	N/A	N/A	N/A	Inc-CENPV-2
A_33_P3272508	10,2666	10,2305	1,025338306	ENST00000309594	78988	NM_024026	MRPL57
A_23_P111635	10,6279	10,5918	1,025338306	ENST00000460184	51657	NM_016086	STYXL1
A_24_P532864	1,63576	1,59966	1,025338306	ENST00000504916	N/A	N/A	N/A
A_21_P0001905	1,50394	1,46785	1,025331199	N/A	N/A	N/A	Inc-SLC20A1-1
A_22_P00015412	1,6238	1,58771	1,025331199	N/A	N/A	N/A	Inc-SRRM4-1
A_23_P158851	1,38125	1,34516	1,025331199	ENST00000264360	57575	AL157470	PCDH10
A_33_P3221423	1,67831	1,64222	1,025331199	ENST00000276066	347517	NM_001032726	RAB41
A_33_P3252286	8,1152	8,07912	1,025324092	ENST00000392386	9244	NM_004750	CRLF1
A_23_P344481	4,60381	4,56773	1,025324092	ENST00000399169	219736	NM_152709	STOX1
A_24_P759822	1,59946	1,56338	1,025324092	ENST00000497811	151658	NR_024276	LINC00635
A_21_P0000062	1,50071	1,46464	1,025316985	ENST00000542103	128977	NM_001166242	C22orf39
A_21_P0006486	1,48683	1,45076	1,025316985	N/A	N/A	N/A	Inc-CXorf22-1
A_21_P0014216	1,49994	1,46387	1,025316985	N/A	N/A	CD177336	N/A
A_23_P402778	1,37443	1,33836	1,025316985	ENST00000383610	135644	NM_138700	TRIM40

A_22_P00003808	1,61598	1,57991	1,025316985	ENST00000435092	N/A	N/A	N/A
A_23_P93531	1,57249	1,53644	1,025302772	ENST00000275216	134864	NM_138327	TAAR1
A_22_P00006339	1,4539	1,41785	1,025302772	N/A	N/A	BC036673	Inc-FANCL-1
A_21_P0005912	1,70366	1,66762	1,025295665	N/A	N/A	N/A	Inc-ZFAT-4
A_21_P0013199	1,66722	1,63118	1,025295665	N/A	N/A	N/A	XLOC_I2_013412
A_22_P00007008	1,54681	1,51077	1,025295665	ENST00000423963	N/A	N/A	N/A
A_21_P0004009	1,68875	1,65272	1,025288558	ENST00000513197	N/A	N/A	N/A
A_33_P3261605	1,5778	1,54177	1,025288558	N/A	N/A	N/A	XLOC_I2_006131
A_22_P00016768	1,60397	1,56794	1,025288558	N/A	101927078	XR_251845	LOC101927078
A_21_P0001069	1,61666	1,58064	1,025281451	N/A	N/A	N/A	Inc-CNIH3-1
A_22_P00011583	1,47212	1,4361	1,025281451	ENST00000515181	101927363	XR_245252	LOC101927363
A_22_P00023958	1,68233	1,64631	1,025281451	ENST00000417542	102724039	N/A	LOC102724039
A_33_P3296067	7,50265	7,46663	1,025281451	ENST00000424687	168448	NR_003595	CDC14C
A_33_P3356857	1,54369	1,50768	1,025274345	ENST00000487440	64147	AK023894	KIF9
A_33_P3360412	4,02212	3,98611	1,025274345	ENST00000409439	9091	NM_148920	PIGQ
A_33_P3376551	1,61881	1,5828	1,025274345	ENST00000370758	5737	NM_001039585	PTGFR
A_21_P0009104	1,52565	1,48965	1,025267238	ENST00000562822	N/A	N/A	N/A
A_23_P68240	6,46409	6,42811	1,025253025	ENST00000486463	150763	NM_207328	GPAT2
A_23_P127663	7,91958	7,8836	1,025253025	ENST00000257836	79056	NM_024081	PRRG4
A_22_P00008590	1,67735	1,64137	1,025253025	N/A	102723833	NR_125992	LOC102723833
A_21_P0004148	1,48212	1,44615	1,025245918	N/A	N/A	N/A	Inc-DHFR-2
A_21_P0014127	1,49241	1,45644	1,025245918	N/A	N/A	AL359654	N/A
A_33_P3298830	1,38854	1,35257	1,025245918	N/A	100129836	XR_158875	COL4A2-AS2
A_21_P0007751	1,39252	1,35656	1,025238812	N/A	N/A	N/A	Inc-C12orf42-1
A_22_P00016210	1,48168	1,44577	1,02520328	N/A	N/A	N/A	Inc-TM2D2-3
A_22_P00004890	1,46331	1,42741	1,025196174	ENST00000555378	102723742	NR_110547	LINC01500
A_33_P3221059	1,5208	1,48491	1,025189068	N/A	N/A	N/A	N/A
A_33_P3347911	1,44906	1,41317	1,025189068	ENST00000344288	2100	NM_001271877	ESR2
A_22_P00017031	1,60601	1,57012	1,025189068	ENST00000436418	N/A	N/A	N/A
A_33_P3381393	1,65924	1,62336	1,025181962	ENST00000369206	11023	NM_001112704	VAX1
A_21_P0007807	1,57494	1,53908	1,02516775	N/A	N/A	N/A	Inc-RIMBP2-3
A_22_P00003757	1,51281	1,47695	1,02516775	ENST00000504398	N/A	BX956617	N/A
A_23_P60009	1,63961	1,60376	1,025160644	ENST00000419625	312	NM_001003954	ANXA13



A_22_P00019370	1,68703	1,65118	1,025160644	N/A	N/A	N/A	Inc-ARHGAP28-5
A_21_P0006700	1,62165	1,5858	1,025160644	ENST00000424701	N/A	N/A	N/A
A_24_P1255	5,91749	5,88165	1,025153538	ENST00000299130	56647	NM_078469	BCCIP
A_33_P3415826	1,57256	1,53672	1,025153538	N/A	N/A	N/A	N/A
A_21_P0005778	1,75349	1,71766	1,025146433	N/A	N/A	N/A	Inc-RHPN1-3
A_21_P0007082	1,44713	1,4113	1,025146433	ENST00000431695	N/A	XR_246190	N/A
A_21_P0008789	1,5438	1,50797	1,025146433	ENST00000616660	N/A	N/A	N/A
A_22_P00003565	1,65786	1,62204	1,025139327	N/A	N/A	N/A	Inc-CCT4-2
A_22_P00005713	1,69286	1,65704	1,025139327	N/A	N/A	N/A	Inc-ELOVL5-1
A_22_P00015237	1,57456	1,53874	1,025139327	N/A	N/A	N/A	Inc-SPACA3-3
A_22_P00004353	1,58618	1,55036	1,025139327	ENST00000519306	N/A	CR741371	N/A
A_33_P3313929	8,27005	8,23423	1,025139327	ENST00000349984	1235	NM_031409	CCR6
A_21_P0004322	1,65295	1,61714	1,025132221	N/A	N/A	N/A	Inc-UBLCP1-8
A_22_P00016070	1,66786	1,63205	1,025132221	N/A	101929707	XR_253948	LOC101929707
A_21_P0004312	1,55402	1,51821	1,025132221	ENST00000519898	728264	N/A	MIR143HG
A_33_P3344733	11,5257	11,4899	1,025125116	ENST00000552888	80224	NM_025152	NUBPL
A_23_P43107	1,50047	1,46467	1,025125116	ENST00000622554	81501	NM_030788	DCSTAMP
A_33_P3285715	14,2219	14,1861	1,025125116	ENST00000523812	2738	AB209654	GLI4
A_21_P0014053	1,70029	1,66449	1,025125116	N/A	388813	NM_001256579	LOC388813
A_23_P163075	1,70358	1,66779	1,02511801	ENST00000339762	341880	NM_001206920	SLC35F4
A_21_P0003666	1,56119	1,5254	1,02511801	N/A	N/A	N/A	Inc-FAM160A1-3
A_33_P3331746	1,62341	1,58762	1,02511801	ENST00000361803	84620	NM_032528	ST6GAL2
A_22_P00000724	1,44577	1,40999	1,025110904	ENST00000564719	100127206	N/A	KIAA1024L
A_22_P00014126	1,5157	1,47992	1,025110904	N/A	N/A	HY026858	Inc-SCD-2
A_21_P0012531	1,49524	1,45947	1,025103799	ENST00000417482	101927347	N/A	GRM7-AS3
A_22_P00024467	1,54362	1,50785	1,025103799	ENST00000511712	N/A	N/A	N/A
A_21_P0007629	1,64021	1,60444	1,025103799	N/A	N/A	N/A	Inc-SDSL-6
A_21_P0005363	1,54505	1,50929	1,025096693	N/A	N/A	N/A	Inc-SNX10-1
A_22_P00015120	1,5026	1,46684	1,025096693	N/A	N/A	N/A	Inc-SNX20-3
A_21_P0013623	1,39515	1,35941	1,025082483	N/A	101929563	N/A	LOC101929563
A_21_P0006801	1,50348	1,46774	1,025082483	ENST00000454492	102723646	N/A	LOC102723646
A_21_P0009016	1,38357	1,34786	1,025061167	N/A	N/A	N/A	Inc-GDE1-3
A_22_P00023977	1,58049	1,54478	1,025061167	ENST00000446280	N/A	N/A	N/A

A_21_P0013632	1,62931	1,59361	1,025054062	N/A	N/A	N/A	XLOC_I2_015172
A_22_P00009494	1,61186	1,57616	1,025054062	N/A	N/A	N/A	Inc-MAG11-2
A_21_P0014341	1,59563	1,55994	1,025046957	N/A	N/A	N/A	Inc-FOXK2-1
A_22_P00006303	1,44275	1,40707	1,025039852	ENST00000523510	103164619	NR_119373	PCAT2
A_24_P409800	1,71286	1,67719	1,025032747	ENST00000512467	57528	NM_020768	KCTD16
A_21_P0001414	1,6493	1,61363	1,025032747	N/A	N/A	N/A	Inc-CAMK1G-5
A_24_P941643	8,11553	8,07986	1,025032747	ENST00000612075	23236	NM_182734	PLCB1
A_24_P221858	1,62579	1,59013	1,025025642	ENST00000532537	440822	NM_001008496	PIWIL3
A_22_P00012765	1,53354	1,49788	1,025025642	N/A	N/A	N/A	Inc-RAD51-1
A_33_P3287399	1,64512	1,60946	1,025025642	ENST00000567788	100190940	AK127723	LOC100190940
A_21_P0003876	1,57499	1,53933	1,025025642	ENST00000502419	N/A	N/A	N/A
A_33_P3368334	1,58998	1,55433	1,025018537	ENST00000480682	115352	XR_241065	FCRL3
A_23_P171409	1,53624	1,5006	1,025011432	ENST00000253838	84672	NR_001527	TTY6
A_21_P0007215	5,66867	5,63303	1,025011432	N/A	N/A	N/A	Inc-PPP1R32-1
A_21_P0012359	1,48989	1,45425	1,025011432	ENST00000423311	104310353	N/A	LINC01399
A_22_P00017052	3,36718	3,33154	1,025011432	N/A	N/A	BM015693	Inc-TUBA1C-2
A_21_P0014223	1,55656	1,52092	1,025011432	N/A	N/A	XR_113143	N/A
A_22_P00018827	1,44296	1,40733	1,025004327	N/A	N/A	N/A	Inc-MIER3-2
A_21_P0009340	1,45999	1,42436	1,025004327	N/A	N/A	N/A	Inc-PTRH2-1
A_21_P0009833	1,55752	1,52189	1,025004327	ENST00000431034	N/A	N/A	N/A
A_24_P331150	1,37529	1,33966	1,025004327	ENST00000601005	126410	NM_173483	CYP4F22
A_22_P00003934	1,49694	1,46132	1,024997222	N/A	N/A	N/A	Inc-CFTR-1
A_21_P0003705	1,58316	1,54754	1,024997222	N/A	N/A	N/A	Inc-FRG1-4
A_33_P3388533	1,61452	1,5789	1,024997222	ENST00000554904	728755	N/A	LOC728755
A_22_P00004213	1,64882	1,6132	1,024997222	ENST00000420845	N/A	BQ429059	N/A
A_33_P3808435	1,41609	1,38048	1,024990118	N/A	N/A	N/A	N/A
A_24_P680657	1,48632	1,45071	1,024990118	ENST00000335185	493860	NM_001008391	CCDC73
A_22_P00006741	1,65318	1,61757	1,024990118	ENST00000527727	N/A	N/A	N/A
A_23_P415820	1,65469	1,61909	1,024983013	ENST00000410104	23233	AB023136	EXOC6B
A_21_P0013559	1,55933	1,52373	1,024983013	ENST00000436786	441389	N/A	LINC01239
A_21_P0005139	1,70837	1,67277	1,024983013	N/A	N/A	N/A	Inc-UTRN-1
A_21_P0003266	4,69147	4,65587	1,024983013	N/A	N/A	N/A	Inc-CHRD-1
A_21_P0000724	1,38228	1,34669	1,024975908	N/A	100616530	NR_038209	C8orf37-AS1

A_23_P42265	8,23511	8,19953	1,024968804	ENST00000375916	55937	NM_019101	APOM
A_22_P00002071	1,56974	1,53416	1,024968804	N/A	N/A	N/A	Inc-BMI1-1
A_21_P0001026	1,53796	1,50238	1,024968804	ENST00000425271	N/A	N/A	N/A
A_22_P00012347	1,62489	1,58931	1,024968804	ENST00000514836	118425	NR_026555	PCAT4
A_22_P00017960	9,22007	9,18451	1,024954595	N/A	N/A	N/A	Inc-ZKSCAN1-1
A_21_P0002777	1,44548	1,40992	1,024954595	ENST00000485006	N/A	N/A	N/A
A_22_P00017367	1,45741	1,42185	1,024954595	ENST00000592081	N/A	N/A	N/A
A_22_P00020183	1,55097	1,51541	1,024954595	N/A	N/A	N/A	Inc-ENOPH1-1
A_22_P00018904	1,57088	1,53533	1,02494749	ENST00000458525	N/A	BC043223	N/A
A_21_P0000198	1,53335	1,49781	1,024940386	ENST00000512104	64799	NM_022784	IQCH
A_22_P00022575	1,56256	1,52702	1,024940386	N/A	N/A	N/A	Inc-GTDC1-1
A_24_P37712	1,63393	1,59839	1,024940386	ENST00000381501	7006	NM_003215	TEC
A_23_P417821	1,56817	1,53265	1,024926177	ENST00000371445	63948	NM_033067	DMRTB1
A_23_P50031	1,66048	1,62496	1,024926177	ENST00000615105	4994	NM_002550	OR3A1
A_33_P3389261	7,41254	7,37702	1,024926177	ENST00000409150	100131211	NM_001142645	TMEM194B
A_21_P0000878	1,53111	1,4956	1,024919073	N/A	100506655	NR_039998	LCMT1-AS2
A_33_P3248035	4,6811	4,64559	1,024919073	ENST00000588129	84765	N/A	ZNF577
A_33_P3334275	1,44398	1,40849	1,024904865	N/A	N/A	BU584355	Inc-LIF-1
A_21_P0005675	1,47699	1,4415	1,024904865	N/A	N/A	N/A	Inc-RP11-521M14.2.1-1
A_24_P49267	1,45832	1,42283	1,024904865	ENST00000411909	646282	N/A	AZGP1P1
A_21_P0007723	1,62541	1,58992	1,024904865	N/A	N/A	N/A	Inc-ZFC3H1-2
A_22_P00006586	1,51633	1,48085	1,024897761	ENST00000457625	N/A	N/A	N/A
A_21_P0011905	1,41398	1,3785	1,024897761	N/A	N/A	N/A	XLOC_I2_007898
A_22_P00021351	1,40382	1,36835	1,024890657	ENST00000455014	449493	N/A	DEFA10P
A_32_P108870	1,62132	1,58585	1,024890657	ENST00000256103	5375	NM_002677	PMP2
A_23_P303803	1,41179	1,37633	1,024883553	ENST00000314391	147685	NM_152474	C19orf18
A_23_P305877	5,89546	5,86	1,024883553	ENST00000358227	90871	NM_033428	TMEM261
A_23_P3574	9,23089	9,19547	1,024855137	ENST00000602522	81577	NM_030819	GFOD2
A_21_P0008317	1,56194	1,52652	1,024855137	N/A	N/A	N/A	Inc-BRMS1L-3
A_21_P0011782	1,66035	1,62494	1,024848034	ENST00000455455	388550	N/A	CEACAM22P
A_22_P00012643	1,57356	1,53815	1,024848034	ENST00000523311	N/A	DB053011	N/A
A_23_P141706	1,54118	1,50577	1,024848034	ENST00000332567	51224	NM_016427	TCEB3B
A_33_P3343506	1,37202	1,33663	1,024833826	ENST00000312240	219482	NM_001004742	OR5M3

A_23_P139434	1,62751	1,59212	1,024833826	ENST00000389362	653247	NM_006248	PRB2
A_21_P0006015	1,48265	1,44728	1,024819619	ENST00000419576	N/A	N/A	N/A
A_24_P13381	7,28034	7,24497	1,024819619	ENST00000536838	59341	NM_147204	TRPV4
A_22_P00004677	1,50074	1,46537	1,024819619	ENST00000566449	N/A	N/A	N/A
A_22_P00017446	7,91611	7,88075	1,024812516	N/A	N/A	AW021463	Inc-VPS4A-1
A_33_P3339715	1,48801	1,45266	1,024805412	N/A	644841	AK124544	LOC644841
A_21_P0002072	1,71391	1,67856	1,024805412	N/A	N/A	N/A	Inc-POLR1A-2
A_23_P161135	1,66494	1,6296	1,024798309	ENST00000406510	3953	NM_002303	LEPR
A_21_P0002717	1,48378	1,44845	1,024791206	ENST00000488425	101927123	NR_110147	LOC101927123
A_21_P0007490	1,60745	1,57212	1,024791206	ENST00000550185	101929084	NR_110103	LOC101929084
A_33_P3363001	1,64282	1,60749	1,024791206	N/A	N/A	DA372173	N/A
A_22_P00024713	1,53416	1,49883	1,024791206	ENST00000418679	N/A	N/A	N/A
A_33_P3383486	1,69398	1,65866	1,024784102	N/A	N/A	N/A	N/A
A_33_P3242338	1,75435	1,71903	1,024784102	N/A	N/A	AK124631	Inc-BUB1B-1
A_23_P256312	12,4373	12,402	1,024769896	ENST00000344206	4486	NM_002447	MST1R
A_33_P3386723	13,631	13,5957	1,024769896	ENST00000434946	N/A	N/A	N/A
A_22_P00006982	1,65544	1,62014	1,024769896	N/A	N/A	BG214892	Inc-GDI2-1
A_21_P0004949	1,63593	1,60063	1,024769896	ENST00000456896	100507477	NR_121622	LOC100507477
A_33_P3316173	1,53628	1,50099	1,024762793	ENST00000233826	3769	NM_002242	KCNJ13
A_21_P0009946	1,45551	1,42022	1,024762793	N/A	N/A	N/A	Inc-SSTR4-4
A_22_P00015935	1,51291	1,47762	1,024762793	N/A	N/A	N/A	Inc-TCTA-1
A_22_P00013583	1,7271	1,69181	1,024762793	N/A	102723692	XR_429671	LOC102723692
A_24_P405631	1,669	1,63372	1,02475569	ENST00000475839	55079	NM_018008	FEZF2
A_32_P97169	1,37571	1,34043	1,02475569	ENST00000377047	10082	NM_005708	GPC6
A_24_P375761	1,6506	1,61532	1,02475569	ENST00000440528	N/A	AY078383	N/A
A_22_P00016679	1,53207	1,49681	1,024741484	N/A	100874081	NR_125912	FGF14-AS1
A_33_P3428749	1,52475	1,48949	1,024741484	N/A	N/A	BQ426089	N/A
A_22_P00011881	1,71477	1,67951	1,024741484	N/A	100506142	NR_104182	LOC100506142
A_33_P3412588	1,53583	1,50058	1,024734381	ENST00000504237	102724809	XR_425796	LOC102724809
A_33_P3245660	1,37391	1,33867	1,024727278	N/A	N/A	N/A	N/A
A_23_P133036	1,49975	1,46451	1,024727278	ENST00000382051	10568	NM_006424	SLC34A2
A_22_P00015908	1,47004	1,43481	1,024720175	ENST00000513561	N/A	N/A	N/A
A_33_P3420640	1,65285	1,61764	1,024705969	ENST00000329328	390199	NM_001004711	OR4D9

A_33_P3265699	1,61357	1,57836	1,024705969	ENST00000356526	403274	NM_001005515	OR5H15
A_23_P156784	1,5087	1,47349	1,024705969	ENST00000369212	84539	NM_001040179	MCHR2
A_21_P0003024	7,32835	7,29315	1,024698867	N/A	101928948	XR_425705	LOC101928948
A_33_P3417602	1,54032	1,50512	1,024698867	ENST00000433453	245935	N/A	DEFB122
A_21_P0007036	1,51813	1,48293	1,024698867	N/A	N/A	N/A	Inc-AL450307.1-2
A_22_P00002557	1,41808	1,38288	1,024698867	N/A	N/A	DB524466	Inc-C17orf75-4
A_22_P00004153	1,48803	1,45283	1,024698867	N/A	N/A	N/A	Inc-CLEC1B-1
A_33_P3406530	1,59617	1,56098	1,024691764	ENST00000432430	N/A	N/A	N/A
A_23_P218002	1,65108	1,6159	1,024684661	ENST00000534081	5553	NM_002728	PRG2
A_22_P00018394	1,51185	1,47667	1,024684661	N/A	N/A	N/A	Inc-DYTN-1
A_22_P00007771	1,60317	1,56799	1,024684661	N/A	N/A	N/A	Inc-HNRNPA1-1
A_33_P3415828	3,61085	3,57568	1,024677559	N/A	N/A	CU677870	N/A
A_33_P3390207	1,4701	1,43493	1,024677559	ENST00000394394	132332	NM_152399	TMEM155
A_22_P00023514	1,6371	1,60194	1,024670456	ENST00000511474	N/A	N/A	N/A
A_23_P10172	1,58722	1,55207	1,024663354	ENST00000460241	29122	NM_013270	PRSS50
A_22_P00015263	1,6494	1,61425	1,024663354	ENST00000412163	645188	XR_109780	LOC645188
A_33_P3217168	1,52906	1,49391	1,024663354	ENST00000504659	N/A	N/A	N/A
A_33_P3333232	1,49733	1,46219	1,024656251	ENST00000621947	221262	N/A	CCDC162P
A_33_P3398578	1,70078	1,66564	1,024656251	N/A	100131208	NR_040710	SNAP25-AS1
A_23_P120822	3,4865	3,45136	1,024656251	ENST00000326010	51733	NM_016327	UPB1
A_22_P00012849	1,55466	1,51953	1,024649149	ENST00000427173	101928778	N/A	LOC101928778
A_33_P3387458	1,59286	1,55773	1,024649149	ENST00000379713	57713	AK090887	SFMBT2
A_23_P161940	1,37229	1,33717	1,024642047	ENST00000227918	4250	NM_002411	SCGB2A2
A_32_P407293	1,62189	1,58677	1,024642047	ENST00000322583	285800	NM_175922	PRR18
A_22_P00016835	1,655	1,61989	1,024634945	N/A	N/A	N/A	Inc-TRMT2A-1
A_21_P0011971	8,98232	8,94721	1,024634945	ENST00000419201	N/A	N/A	N/A
A_23_P80362	14,9244	14,8893	1,024627842	ENST00000463675	4809	NM_005008	NHP2L1
A_21_P0000127	1,63114	1,59604	1,024627842	ENST00000615233	284297	NM_001195267	SSC5D
A_21_P0014295	9,03062	8,99552	1,024627842	ENST00000567948	101928527	XR_243152	PIGBOS1
A_22_P00014436	1,54359	1,5085	1,02462074	N/A	N/A	BC068091	Inc-SH2B2-1
A_33_P3247783	1,64244	1,60736	1,024613638	N/A	N/A	N/A	N/A
A_21_P0003064	1,39216	1,35708	1,024613638	N/A	N/A	N/A	Inc-NAALADL2-1
A_22_P00006513	1,49215	1,45708	1,024606536	ENST00000456477	N/A	BQ224694	N/A

A_32_P3476	1,63175	1,59668	1,024606536	ENST00000322329	388394	NM_203400	RPRML
A_22_P00000473	4,94501	4,90995	1,024599434	N/A	N/A	N/A	Inc-AC092295.7.1-1
A_23_P126658	1,37741	1,34236	1,024592332	ENST00000614831	391002	NM_001012276	PRAMEF8
A_21_P0006959	1,40573	1,37068	1,024592332	N/A	N/A	N/A	Inc-CALML5-3
A_21_P0002251	2,37614	2,3411	1,02458523	N/A	N/A	N/A	Inc-ATOH8-2
A_21_P0003076	1,46733	1,43229	1,02458523	N/A	N/A	N/A	Inc-DNAJB11-1
A_21_P0009658	1,43225	1,39721	1,02458523	ENST00000587128	100505715	NR_038334	LOC100505715
A_21_P0007672	1,55347	1,51844	1,024578128	N/A	N/A	N/A	Inc-SFSWAP-2
A_21_P0007446	7,23452	7,19949	1,024578128	N/A	N/A	N/A	Inc-RP11-201M22.1.1-2
A_23_P71598	1,59871	1,56369	1,024571027	ENST00000319198	8777	NM_003829	MPDZ
A_21_P0007990	1,61497	1,57995	1,024571027	ENST00000432331	N/A	N/A	N/A
A_22_P00008091	1,75257	1,71755	1,024571027	ENST00000559698	N/A	N/A	N/A
A_22_P00018788	1,60502	1,57	1,024571027	ENST00000518620	N/A	N/A	N/A
A_22_P00009406	1,47041	1,4354	1,024563925	N/A	100996447	NR_104147	LOC100996447
A_33_P3354201	1,3839	1,3489	1,024556823	ENST00000322066	245928	NM_001037499	DEFB114
A_22_P00016737	1,5666	1,5316	1,024556823	N/A	N/A	N/A	Inc-TREML1-1
A_23_P214739	10,3871	10,3521	1,024556823	ENST00000229971	26235	NM_012160	FBXL4
A_22_P00006567	7,39587	7,36088	1,024549721	N/A	N/A	BF843649	Inc-FLYWCH2-1
A_19_P00317277	1,53862	1,50363	1,024549721	N/A	100506328	NR_103791	LINC01127
A_21_P0001842	1,66813	1,63314	1,024549721	ENST00000456119	400946	NR_033875	LINC00954
A_22_P00005599	1,49407	1,45908	1,024549721	ENST00000521014	N/A	N/A	N/A
A_22_P00017268	1,52687	1,49188	1,024549721	ENST00000589999	101927210	XR_243979	LOC101927210
A_21_P0002364	3,18702	3,15204	1,02454262	N/A	N/A	N/A	Inc-MOGAT1-1
A_33_P3389271	1,66629	1,63131	1,02454262	N/A	101928999	NR_109984	IQCF5-AS1
A_22_P00025081	2,55498	2,52	1,02454262	N/A	102724434	XR_426248	LOC102724434
A_23_P135576	1,56377	1,52879	1,02454262	ENST00000612229	11122	NM_133170	PTPRT
A_33_P3305805	1,65413	1,61915	1,02454262	N/A	101928470	NR_121573	TMEM246-AS1
A_21_P0011642	1,49794	1,46296	1,02454262	N/A	N/A	N/A	Inc-CHAD-1
A_33_P3248354	1,66557	1,6306	1,024535518	ENST00000392991	10439	NM_006334	OLFM1
A_21_P0004886	1,50069	1,46573	1,024528417	N/A	N/A	N/A	Inc-ENPP4-1
A_21_P0007135	4,26262	4,22766	1,024528417	N/A	N/A	XM_005273734	Inc-NAALADL1-1
A_21_P0005512	1,49301	1,45805	1,024528417	N/A	101927473	N/A	LOC101927473
A_22_P00020329	1,38244	1,3475	1,024514214	ENST00000503037	102725242	N/A	LOC102725242

A_22_P00020455	1,37903	1,34409	1,024514214	ENST00000418451	N/A	N/A	N/A
A_22_P00014683	1,43602	1,40108	1,024514214	N/A	N/A	N/A	Inc-SLC25A2-3
A_33_P3400334	1,5431	1,50816	1,024514214	N/A	100130372	AK127532	LOC100130372
A_22_P00014727	1,44372	1,40879	1,024507112	ENST00000563933	N/A	AK026751	N/A
A_22_P00023710	1,59574	1,56081	1,024507112	ENST00000430519	N/A	N/A	N/A
A_33_P3350247	1,57106	1,53613	1,024507112	N/A	N/A	N/A	N/A
A_33_P3268919	1,54853	1,51361	1,024500011	ENST00000372325	729238	NM_001098668	SFTPA2
A_33_P3414472	1,76897	1,73405	1,024500011	N/A	N/A	N/A	N/A
A_23_P206510	13,9721	13,9372	1,024485809	ENST00000447066	2734	NM_012201	GLG1
A_22_P00017638	1,46201	1,42711	1,024485809	N/A	N/A	N/A	Inc-WNT11-2
A_21_P0000341	11,1732	11,1383	1,024485809	N/A	677838	NR_002987	SNORA61
A_22_P00025670	5,52202	5,48713	1,024478707	ENST00000300087	84516	NM_001199743	DCTN5
A_21_P0005670	1,46416	1,42927	1,024478707	N/A	N/A	N/A	Inc-XPO7-2
A_33_P7587879	1,53829	1,50343	1,024457404	ENST00000419035	101927043	NR_110207	LOC101927043
A_33_P3267150	5,01198	4,97713	1,024450303	N/A	N/A	N/A	N/A
A_21_P0010623	1,51567	1,48082	1,024450303	ENST00000436350	101927084	NR_119383	LINC01359
A_33_P3367939	1,62332	1,58848	1,024443202	ENST00000332578	360200	NM_182973	TMPRSS9
A_21_P0006176	1,47293	1,4381	1,024436101	N/A	N/A	N/A	Inc-GADD45G-5
A_21_P0008493	1,61768	1,58286	1,024429001	N/A	N/A	N/A	Inc-HSP90AA1-10
A_21_P0008907	1,37547	1,34065	1,024429001	N/A	N/A	N/A	Inc-RP11-467M13.1.1-1
A_21_P0010362	1,53082	1,496	1,024429001	N/A	N/A	N/A	Inc-XRCC6-1
A_21_P0002329	1,52051	1,48569	1,024429001	N/A	N/A	N/A	Inc-ZNF804A-1
A_23_P420431	1,44069	1,40587	1,024429001	ENST00000331428	150165	NM_175878	XKR3
A_22_P00010489	1,81576	1,78095	1,0244219	ENST00000549993	101928207	XR_429161	LOC101928207
A_21_P0001875	2,17564	2,14084	1,024414799	ENST00000433065	N/A	N/A	N/A
A_22_P00011310	1,55063	1,51585	1,024400598	ENST00000565104	N/A	AL534569	N/A
A_22_P00012885	1,44103	1,40625	1,024400598	ENST00000520962	N/A	N/A	N/A
A_21_P0006805	1,46969	1,43492	1,024393497	ENST00000443633	101927590	NR_120626	LINC01166
A_33_P3533377	1,72107	1,68631	1,024386397	N/A	401983	DA571583	ZNF847P
A_23_P312837	1,56825	1,53349	1,024386397	N/A	84850	NR_026663	GLIS3-AS1
A_22_P00024311	1,5707	1,53594	1,024386397	ENST00000418523	N/A	N/A	N/A
A_22_P00025201	1,56405	1,52931	1,024372196	N/A	101927770	NR_110051	LOC101927770
A_22_P00023279	1,39791	1,36317	1,024372196	ENST00000580242	N/A	N/A	N/A

A_33_P3370434	1,49797	1,46323	1,024372196	ENST00000503568	104326191	N/A	LINC01336
A_22_P00014756	1,51443	1,47969	1,024372196	ENST00000446401	101060091	NR_110174	LOC101060091
A_22_P00009087	1,40158	1,36685	1,024365095	N/A	N/A	N/A	Inc-LGALSL-2
A_21_P0003059	1,62915	1,59442	1,024365095	N/A	N/A	N/A	Inc-SKIL-1
A_22_P00013129	1,56952	1,53479	1,024365095	N/A	N/A	BC066991	Inc-RMND5A-1
A_21_P0012670	1,67225	1,63752	1,024365095	N/A	N/A	N/A	XLOC_I2_011170
A_22_P00025741	1,56702	1,5323	1,024357995	N/A	N/A	N/A	Inc-ARF5-4
A_22_P00024200	1,47473	1,44001	1,024357995	N/A	N/A	AK055853	Inc-CASP9-3
A_33_P3322348	1,54888	1,51416	1,024357995	ENST00000374945	100996291	NR_073178	LOC100996291
A_33_P3247325	1,50292	1,4682	1,024357995	ENST00000508883	27039	NM_001300921	PKD2L2
A_24_P344961	1,55877	1,52407	1,024343795	ENST00000371959	154796	NM_133265	AMOT
A_22_P00019401	1,63219	1,59749	1,024343795	ENST00000615716	N/A	N/A	N/A
A_21_P0002320	1,37327	1,33858	1,024336694	N/A	N/A	N/A	Inc-HNRNPA3-4
A_33_P3400253	1,44515	1,41048	1,024322494	ENST00000327739	142827	AK126134	ACSM6
A_22_P00008998	1,42259	1,38792	1,024322494	ENST00000440358	N/A	N/A	N/A
A_33_P3733123	1,62823	1,59357	1,024315394	N/A	N/A	N/A	N/A
A_22_P00009788	1,55182	1,51716	1,024315394	ENST00000514662	N/A	N/A	N/A
A_22_P00014750	1,51835	1,4837	1,024308294	ENST00000534128	N/A	BC035161	N/A
A_23_P385263	1,63787	1,60322	1,024308294	ENST00000262450	26038	NM_015557	CHD5
A_22_P00009456	1,457	1,42236	1,024301194	N/A	N/A	N/A	Inc-MACC1-1
A_21_P0014084	1,51316	1,47853	1,024294094	N/A	93463	XR_108383	LOC93463
A_24_P933685	1,66024	1,62561	1,024294094	N/A	643797	XR_109223	AGVR6190
A_21_P0008300	1,56157	1,52694	1,024294094	N/A	N/A	N/A	Inc-DHRS2-3
A_22_P00019586	1,47923	1,4446	1,024294094	N/A	102723554	XR_433666	LOC102723554
A_22_P00020630	1,60834	1,57372	1,024286994	N/A	N/A	N/A	Inc-RGS9-2
A_22_P00000970	1,54542	1,5108	1,024286994	N/A	102724152	XR_426111	LOC102724152
A_22_P00018685	1,65332	1,61871	1,024279895	ENST00000455576	N/A	XR_245195	N/A
A_33_P3300985	1,58473	1,55013	1,024272795	ENST00000595532	101929344	BC046635	LINC01198
A_23_P88776	1,62102	1,58643	1,024265695	ENST00000219301	221191	NM_001080492	PRSS54
A_21_P0003934	1,52959	1,49503	1,024244396	N/A	101926960	NR_104635	LOC101926960
A_33_P3229171	1,54132	1,50677	1,024237297	ENST00000623354	392490	NM_207422	FLJ44635
A_33_P3312217	1,53564	1,50109	1,024237297	ENST00000510538	N/A	N/A	N/A
A_33_P3850104	1,59361	1,55906	1,024237297	ENST00000451929	N/A	N/A	N/A



A_33_P3644503	1,61971	1,58517	1,024230198	ENST00000412672	339568	NR_027124	LOC339568
A_21_P0000429	1,56306	1,52852	1,024230198	N/A	767561	NR_003229	SNORD113-1
A_21_P0008372	1,55612	1,52159	1,024223098	N/A	N/A	N/A	Inc-GPR65-1
A_22_P00018806	1,65429	1,61977	1,024215999	N/A	N/A	N/A	Inc-PRKD1-8
A_21_P0009457	1,37124	1,33672	1,024215999	N/A	N/A	N/A	Inc-ANKRD62-1
A_33_P3219790	1,46621	1,43171	1,0242018	ENST00000417143	N/A	N/A	N/A
A_22_P00018109	1,70957	1,67507	1,0242018	ENST00000609683	220929	N/A	ZNF438
A_33_P3259560	4,33726	4,30277	1,024194701	N/A	N/A	N/A	N/A
A_21_P0014161	1,38461	1,35013	1,024187602	N/A	100505711	XR_242019	LOC100505711
A_22_P00015118	1,40342	1,36894	1,024187602	N/A	102724907	XR_424697	LOC102724907
A_22_P00008548	1,62419	1,58972	1,024180503	ENST00000450500	N/A	N/A	N/A
A_33_P3274642	1,48915	1,45468	1,024180503	N/A	285175	AK027583	UNC80
A_33_P3352038	1,55356	1,5191	1,024173404	ENST00000536621	10071	NM_001164462	MUC12
A_21_P0013544	1,64816	1,61371	1,024166305	N/A	101929127	N/A	PGM5P3-AS1
A_33_P3618434	1,53463	1,50019	1,024159206	N/A	N/A	N/A	N/A
A_21_P0007267	1,679	1,64457	1,024152107	N/A	N/A	N/A	Inc-CEP57-1
A_22_P00023220	1,64891	1,61448	1,024152107	ENST00000551229	N/A	N/A	N/A
A_22_P00008721	1,67087	1,63644	1,024152107	N/A	N/A	XM_005269673	Inc-KIAA1598-1
A_33_P3383276	1,62333	1,58891	1,024145008	ENST00000322678	341416	NM_054105	OR6C2
A_21_P0004710	1,73839	1,70398	1,024137909	ENST00000446811	101929420	NR_110870	LOC101929420
A_21_P0007213	2,25298	2,21857	1,024137909	N/A	N/A	N/A	Inc-MS4A8B-1
A_33_P3322504	6,15378	6,11937	1,024137909	N/A	N/A	N/A	N/A
A_21_P0007556	1,58748	1,55308	1,02413081	ENST00000546821	101927292	NR_110048	LOC101927292
A_23_P64792	11,9312	11,8968	1,02413081	ENST00000258111	27345	NM_014505	KCNMB4
A_32_P383681	1,47805	1,44366	1,024123712	ENST00000494025	1768	NM_001370	DNAH6
A_21_P0013275	1,62139	1,587	1,024123712	N/A	N/A	N/A	XLOC_I2_013636
A_22_P00017057	1,4302	1,39581	1,024123712	N/A	N/A	N/A	Inc-TUBB2A-1
A_33_P3313338	1,69552	1,66113	1,024123712	ENST00000390445	N/A	AB305714	N/A
A_21_P0008297	1,58432	1,54994	1,024116613	N/A	N/A	N/A	Inc-RNASE6-2
A_22_P00019347	1,70067	1,66629	1,024116613	N/A	101928008	NR_120539	LOC101928008
A_22_P00016627	1,52056	1,48618	1,024116613	N/A	101927455	NR_110812	TMEM108-AS1
A_22_P00001961	1,6507	1,61633	1,024109514	ENST00000421597	N/A	N/A	N/A
A_22_P00021221	1,47308	1,43871	1,024109514	ENST00000437466	N/A	N/A	N/A

A_23_P127781	1,60137	1,567	1,024109514	ENST00000306238	10648	NM_006552	SCGB1D1
A_24_P115511	7,34239	7,30803	1,024102416	ENST00000373840	51552	NM_016322	RAB14
A_33_P3330881	1,6262	1,59186	1,024088219	ENST00000343399	390323	NM_001005497	OR6C75
A_22_P00002050	1,64222	1,60789	1,02408112	ENST00000567613	N/A	N/A	N/A
A_22_P00002186	1,50731	1,47298	1,02408112	ENST00000512310	N/A	N/A	N/A
A_22_P00000549	1,50729	1,47297	1,024074022	N/A	N/A	DA528960	Inc-AC117834.1-1
A_22_P00000758	1,59961	1,56529	1,024074022	ENST00000504494	N/A	N/A	N/A
A_33_P3313755	1,64755	1,61323	1,024074022	ENST00000540591	653606	NM_001100631	PRAMEF22
A_33_P3210146	1,53303	1,49871	1,024074022	ENST00000368744	574414	NM_001195571	PRR9
A_33_P3371904	1,69735	1,66304	1,024066924	ENST00000361477	23245	NM_198188	ASTN2
A_22_P00013168	1,5684	1,5341	1,024059826	ENST00000471176	N/A	N/A	N/A
A_21_P0000813	1,50234	1,46807	1,024038531	ENST00000507152	100506013	NM_001297550	APELA
A_21_P0008318	1,59049	1,55622	1,024038531	N/A	N/A	N/A	Inc-BRMS1L-3
A_33_P3287119	8,16036	8,1261	1,024031433	ENST00000490605	51252	NM_001122646	FAM178B
A_33_P3288624	1,38652	1,35226	1,024031433	ENST00000231706	57709	NM_020949	SLC7A14
A_22_P00013164	1,49318	1,45892	1,024031433	ENST00000437334	N/A	N/A	N/A
A_33_P3279920	7,14497	7,11071	1,024031433	ENST00000477447	23435	NM_007375	TARDBP
A_33_P3393175	6,69211	6,65786	1,024024335	ENST00000253693	23473	NM_014296	CAPN7
A_21_P0005773	1,45462	1,42037	1,024024335	N/A	N/A	N/A	Inc-CHRAC1-2
A_21_P0008071	1,48813	1,45388	1,024024335	ENST00000618134	N/A	N/A	N/A
A_23_P117873	2,08	2,04576	1,024017237	ENST00000557872	1133	NM_012125	CHRM5
A_21_P0005057	1,65097	1,61674	1,024010139	N/A	N/A	N/A	Inc-HDDC2-1
A_23_P95050	5,8285	5,79428	1,024003041	ENST00000514499	27236	NM_001025595	ARFIP1
A_22_P00010369	1,55413	1,51992	1,023995943	ENST00000545202	102724265	N/A	LOC102724265
A_21_P0005601	1,38795	1,35374	1,023995943	N/A	N/A	N/A	Inc-RP4-725G10.1.1-3
A_33_P3323501	2,69222	2,65801	1,023995943	ENST00000448599	644844	NM_001145643	PHGR1
A_24_P168416	11,3938	11,3596	1,023988846	ENST00000477555	7001	NM_005809	PRDX2
A_23_P88381	11,0361	11,0019	1,023988846	ENST00000555394	8650	NM_001005743	NUMB
A_21_P0000271	6,65661	6,62241	1,023988846	ENST00000468362	619568	NR_002588	SNORA4
A_22_P00001051	3,50271	3,46852	1,023981748	N/A	101929721	NR_125988	LOC101929721
A_21_P0011161	1,55952	1,52534	1,02397465	ENST00000599264	N/A	N/A	N/A
A_22_P00010099	1,46396	1,42978	1,02397465	N/A	N/A	CU690027	Inc-MRC2-1
A_21_P0001061	1,69236	1,65819	1,023967553	ENST00000456240	N/A	N/A	N/A

A_23_P80200	1,61384	1,57968	1,023960455	ENST00000473769	400891	NM_001291006	LRRC74B
A_21_P0006772	1,72383	1,68967	1,023960455	ENST00000455498	N/A	N/A	N/A
A_21_P0009580	1,55094	1,5168	1,02394626	N/A	N/A	N/A	Inc-FBXO15-3
A_33_P3241135	1,37975	1,34562	1,023939163	ENST00000472701	2918	NM_000845	GRM8
A_24_P231010	1,44443	1,4103	1,023939163	ENST00000419054	54456	NM_018995	MOV10L1
A_22_P00023189	1,60793	1,57381	1,023932065	N/A	N/A	N/A	Inc-C11orf46-3
A_21_P0003564	1,65245	1,61833	1,023932065	N/A	N/A	N/A	Inc-WFS1-1
A_33_P3567967	13,7547	13,7206	1,023917871	N/A	55338	AK023417	FLJ11292
A_23_P11652	11,5995	11,5654	1,023917871	ENST00000371146	7398	NM_003368	USP1
A_33_P3303031	14,3197	14,2856	1,023917871	N/A	643549	BC133006	LOC643549
A_21_P0006390	1,62372	1,58963	1,023910773	N/A	N/A	N/A	Inc-TNFSF15-2
A_23_P436369	1,52554	1,49145	1,023910773	ENST00000498523	27145	NM_015687	FILIP1
A_22_P00008554	1,68682	1,65273	1,023910773	ENST00000425388	100820709	NR_047465	LINC00501
A_23_P34307	9,78621	9,75213	1,023903676	ENST00000370812	10026	NM_005482	PIGK
A_21_P0013736	1,46655	1,43247	1,023903676	ENST00000604258	100996569	NR_102270	NAMA
A_22_P00008854	1,53979	1,50571	1,023903676	N/A	100128325	XR_252306	LOC100128325
A_33_P3391501	1,50495	1,47088	1,023896579	ENST00000522279	286094	NR_026706	LOC286094
A_21_P0011385	1,61396	1,57989	1,023896579	N/A	N/A	N/A	XLOC_I2_005020
A_23_P253317	1,62031	1,58625	1,023889482	ENST00000617554	29909	NM_013308	GPR171
A_23_P71821	7,58118	7,54713	1,023882385	ENST00000447726	5090	NM_006195	PBX3
A_21_P0006594	1,54614	1,51209	1,023882385	ENST00000457658	64595	NR_001545	TTY15
A_33_P3388456	1,45274	1,4187	1,023875288	ENST00000341294	339345	NM_001029861	NANOS2
A_33_P3373975	1,51163	1,47759	1,023875288	ENST00000396667	54664	AK126686	TMEM106B
A_22_P00016368	1,50085	1,46682	1,023868191	N/A	N/A	AA451834	Inc-TMEM18-13
A_21_P0010428	1,68256	1,64854	1,023861094	N/A	N/A	N/A	Inc-KLHDC7B-1
A_32_P149435	1,57833	1,54431	1,023861094	ENST00000379361	139411	NM_173495	PTCHD1
A_23_P401691	1,63518	1,60117	1,023853997	ENST00000484882	56896	NM_020134	DPYSL5
A_21_P0007904	1,54692	1,51291	1,023853997	N/A	N/A	N/A	Inc-SLC15A4-2
A_21_P0003651	1,56815	1,53414	1,023853997	N/A	102724309	XR_425774	LOC102724309
A_22_P00014183	1,53049	1,49648	1,023853997	ENST00000584916	N/A	N/A	N/A
A_22_P00001708	1,75067	1,71666	1,023853997	N/A	N/A	N/A	Inc-ATG14-1
A_33_P3369009	1,57288	1,53888	1,0238469	N/A	N/A	N/A	N/A
A_33_P3310401	1,53899	1,505	1,023839804	N/A	N/A	N/A	N/A

A_22_P00018348	6,79469	6,7607	1,023839804	N/A	N/A	DB087096	Inc-ZSCAN10-3
A_21_P0003612	1,45594	1,42197	1,02382561	N/A	N/A	N/A	Inc-POLR2B-1
A_19_P00322629	1,55664	1,52267	1,02382561	ENST00000518540	100505718	NR_039986	LOC100505718
A_22_P00001038	1,44741	1,41345	1,023818514	ENST00000437777	N/A	N/A	N/A
A_21_P0007756	1,64525	1,61131	1,023804321	N/A	N/A	N/A	Inc-PRDM4-3
A_33_P3256031	1,49814	1,4642	1,023804321	ENST00000390357	N/A	A25970	N/A
A_33_P3369741	1,37921	1,34527	1,023804321	ENST00000444900	283025	NR_024340	LINC01553
A_22_P00003044	1,5872	1,55326	1,023804321	ENST00000412410	N/A	N/A	N/A
A_21_P0008231	1,65077	1,61684	1,023797224	N/A	N/A	N/A	Inc-TNFRSF19-5
A_22_P00010027	1,56411	1,53019	1,023790128	N/A	N/A	N/A	Inc-MMRN1-2
A_33_P3370575	1,37084	1,33693	1,023783032	ENST00000498096	4345	NM_001004196	CD200
A_21_P0001785	1,58434	1,55043	1,023783032	N/A	N/A	N/A	Inc-ROCK2-3
A_22_P00000973	1,46248	1,42857	1,023783032	ENST00000618509	N/A	XR_109635	N/A
A_33_P3303762	1,44433	1,41042	1,023783032	ENST00000610313	153657	NM_144725	TTC23L
A_22_P00014647	1,62658	1,59268	1,023775935	N/A	N/A	AK125767	Inc-SLC19A3-1
A_21_P0010039	1,51242	1,47852	1,023775935	ENST00000428495	101927098	XR_425242	LOC101927098
A_23_P29630	13,5553	13,5214	1,023775935	ENST00000474945	28972	NM_014041	SPCS1
A_33_P3256470	1,56591	1,53203	1,023761743	N/A	N/A	N/A	XLOC_I2_003109
A_33_P3281606	1,51838	1,48452	1,023747551	ENST00000263604	57582	NM_001272003	KCNT1
A_21_P0007952	1,69101	1,65716	1,023740454	ENST00000446314	100874128	N/A	LINC00333
A_33_P3260667	1,43795	1,4041	1,023740454	ENST00000328782	127068	NM_001001821	OR2T34
A_22_P00009351	1,50093	1,46709	1,023733358	N/A	N/A	N/A	Inc-LRRK1-4
A_33_P3374778	1,7834	1,74956	1,023733358	N/A	400617	NR_036534	KCNJ2-AS1
A_22_P00025632	1,56691	1,53307	1,023733358	N/A	N/A	N/A	Inc-DIO2-4
A_33_P3310198	1,37274	1,33891	1,023726263	N/A	N/A	N/A	N/A
A_33_P3326427	1,54784	1,51402	1,023719167	ENST00000314721	81327	NM_001005274	OR4A16
A_33_P3229042	1,52519	1,49137	1,023719167	ENST00000317078	79473	NM_001001913	OR52N1
A_22_P00008089	5,82887	5,79507	1,023704975	N/A	101929655	NR_120365	TMC3-AS1
A_22_P00011628	1,56307	1,52927	1,023704975	ENST00000424357	N/A	N/A	N/A
A_33_P3244157	1,68486	1,65106	1,023704975	N/A	N/A	N/A	N/A
A_32_P857658	18,329	18,2952	1,023704975	ENST00000487304	6176	NM_001003	RPLP1
A_22_P00017432	5,7838	5,75001	1,023697879	N/A	N/A	N/A	Inc-VN1R2-1
A_32_P515088	9,47321	9,43943	1,023690783	ENST00000406396	2531	NM_002035	KDSR

A_22_P00000540	1,51439	1,48061	1,023690783	ENST00000454927	101929926	XR_431483	LOC101929926
A_21_P0004176	3,01314	2,97937	1,023683688	N/A	N/A	N/A	Inc-ZNF608-6
A_22_P00002885	1,44509	1,41132	1,023683688	ENST00000510034	N/A	N/A	N/A
A_33_P3366171	1,37807	1,34431	1,023676592	ENST00000391403	64693	NM_172241	CTAGE1
A_33_P3421053	1,64964	1,61588	1,023676592	ENST00000333360	6401	NM_000450	SELE
A_33_P3745020	1,56554	1,53179	1,023669497	N/A	100126584	XR_245591	LOC100126584
A_21_P0005908	1,38282	1,34907	1,023669497	ENST00000518044	101927774	NR_121673	LINC00824
A_33_P3212257	1,39564	1,36191	1,023655306	ENST00000264790	22915	NM_007351	MMRN1
A_22_P00010187	1,58395	1,55022	1,023655306	ENST00000538640	N/A	CR740320	N/A
A_33_P3308142	1,37705	1,34334	1,023641115	ENST00000560066	390651	NR_046417	OR4F13P
A_21_P0003953	1,64065	1,60695	1,02363402	ENST00000503188	N/A	N/A	N/A
A_22_P00015092	1,5425	1,5088	1,02363402	N/A	100129662	NR_038405	FGF13-AS1
A_23_P136916	11,177	11,1433	1,02363402	ENST00000479279	64743	NM_017883	WDR13
A_21_P0004498	1,56727	1,53358	1,023626924	N/A	N/A	N/A	Inc-CDH6-2
A_33_P3469438	1,5841	1,55041	1,023626924	N/A	401445	AK057888	LOC401445
A_22_P00002642	1,55824	1,52455	1,023626924	ENST00000582619	N/A	XR_250935	N/A
A_21_P0009883	1,37119	1,3375	1,023626924	ENST00000456265	101929486	N/A	LOC101929486
A_33_P3288904	7,7093	7,67561	1,023626924	ENST00000466143	8874	NM_003899	ARHGEF7
A_23_P34045	4,94411	4,91043	1,023619829	ENST00000374552	1896	NM_001399	EDA
A_22_P00010337	1,50702	1,47334	1,023619829	N/A	101927200	XR_244180	LOC101927200
A_21_P0010681	1,43561	1,40193	1,023619829	ENST00000431838	N/A	N/A	N/A
A_24_P63136	1,68194	1,64827	1,023612734	ENST00000325602	53829	NM_176894	P2RY13
A_21_P0013743	1,42018	1,38652	1,023605639	ENST00000426204	N/A	N/A	N/A
A_22_P00003247	2,46363	2,42997	1,023605639	N/A	102725314	N/A	LOC102725314
A_33_P3391791	1,55112	1,51747	1,023598544	ENST00000485211	4340	NM_206809	MOG
A_23_P74278	1,62728	1,59363	1,023598544	ENST00000329654	5142	NM_001037341	PDE4B
A_33_P3313366	1,39014	1,35649	1,023598544	ENST00000383653	442184	NM_001005226	OR2B3
A_21_P0001559	1,44593	1,4123	1,023584354	N/A	N/A	N/A	Inc-OLFM3-1
A_24_P49106	1,48477	1,45114	1,023584354	ENST00000372666	56849	NM_152278	TCEAL7
A_21_P0001669	1,53282	1,4992	1,023577259	N/A	N/A	N/A	Inc-PTPRU-4
A_22_P00012986	1,43189	1,39827	1,023577259	ENST00000442716	N/A	N/A	N/A
A_22_P00021228	1,67277	1,63915	1,023577259	ENST00000417800	N/A	N/A	N/A
A_21_P0004204	1,75217	1,71856	1,023570164	N/A	N/A	N/A	Inc-C5orf38-1

A_21_P0004165	1,55777	1,52416	1,023570164	N/A	N/A	N/A	Inc-NUDT12-4
A_22_P00017261	1,49425	1,46064	1,023570164	N/A	N/A	AA447970	Inc-UPF2-1
A_23_P310372	1,64839	1,61478	1,023570164	ENST00000276943	56832	NM_020124	IFNK
A_23_P350591	1,64531	1,61171	1,023563069	ENST00000380033	139105	NM_153346	BEND2
A_21_P0011182	1,58771	1,55411	1,023563069	ENST00000435067	103752581	N/A	LINC01055
A_23_P33168	1,56782	1,53422	1,023563069	ENST00000517776	6570	NM_003053	SLC18A1
A_32_P103695	10,2706	10,237	1,023563069	ENST00000620645	137392	NM_145269	FAM92A1
A_33_P3270004	1,56098	1,52739	1,023555974	N/A	100169890	NR_023847	PEG3-AS1
A_22_P00014863	1,64183	1,60824	1,023555974	N/A	N/A	N/A	Inc-SLC5A8-2
A_21_P0002345	1,64917	1,61559	1,02354888	N/A	N/A	N/A	Inc-ATIC-4
A_23_P251031	1,54521	1,51164	1,023541785	ENST00000617259	3596	NM_002188	IL13
A_24_P106624	1,58948	1,55591	1,023541785	ENST00000262041	4223	NM_005924	MEOX2
A_21_P0004542	1,52931	1,49576	1,023527596	N/A	N/A	N/A	Inc-FAM153B-3
A_21_P0001884	1,65555	1,622	1,023527596	ENST00000439259	101927948	N/A	LOC101927948
A_22_P00014831	1,55375	1,5202	1,023527596	ENST00000565735	N/A	BC036630	N/A
A_21_P0010583	1,38151	1,34796	1,023527596	N/A	N/A	N/A	XLOC_I2_000691
A_24_P235338	1,47614	1,4426	1,023520501	ENST00000262209	8989	NM_007332	TRPA1
A_21_P0003749	1,64194	1,60841	1,023513407	N/A	N/A	N/A	Inc-GPRIN3-1
A_22_P00003716	1,53592	1,50239	1,023513407	ENST00000580699	N/A	AK127888	N/A
A_23_P82379	1,39526	1,36173	1,023513407	ENST00000356253	781	NM_000722	CACNA2D1
A_32_P421816	1,62946	1,59594	1,023506312	ENST00000532967	93034	NM_001002006	NT5C1B
A_33_P3382924	4,16712	4,1336	1,023506312	ENST00000620972	6678	NM_003118	SPARC
A_21_P0006722	1,63293	1,59942	1,023499218	ENST00000413993	N/A	N/A	N/A
A_21_P0011902	1,37446	1,34095	1,023499218	ENST00000416607	101929551	N/A	LOC101929551
A_22_P00023418	1,60535	1,57184	1,023499218	ENST00000413244	102724900	N/A	LOC102724900
A_33_P3220386	1,66342	1,62991	1,023499218	ENST00000518619	157273	AY203962	LOC157273
A_23_P42963	1,7385	1,70499	1,023499218	ENST00000340112	168433	NM_139175	RNF133
A_21_P0013546	1,51756	1,48405	1,023499218	N/A	N/A	N/A	XLOC_I2_014694
A_21_P0009490	1,57225	1,53875	1,023492124	ENST00000588794	N/A	N/A	N/A
A_22_P00006979	1,4587	1,4252	1,023492124	ENST00000505564	N/A	N/A	N/A
A_22_P00012884	1,41508	1,38158	1,023492124	N/A	100874190	NR_046512	SAMSN1-AS1
A_21_P0014043	1,49464	1,46115	1,023485029	ENST00000400522	N/A	N/A	N/A
A_21_P0007562	1,46507	1,43159	1,023477935	N/A	N/A	N/A	Inc-HOXC4-4

A_33_P3211098	1,5071	1,47363	1,023470841	N/A	N/A	N/A	N/A
A_33_P3410604	1,62449	1,59103	1,023463747	ENST00000613251	158724	NM_203408	FAM47A
A_21_P0006709	1,65457	1,62111	1,023463747	ENST00000436975	N/A	XR_424165	N/A
A_22_P00016343	1,37811	1,34466	1,023456653	ENST00000443971	N/A	N/A	N/A
A_33_P3389673	1,53951	1,50607	1,023449559	ENST00000302040	219981	NM_001001954	OR5A2
A_21_P0010971	1,60303	1,56959	1,023449559	N/A	N/A	N/A	XLOC_I2_002290
A_21_P0004213	1,5786	1,54517	1,023442465	N/A	N/A	N/A	Inc-ADAMTS16-4
A_24_P936111	1,45397	1,42055	1,023435371	N/A	100132099	AY358798	LOC100132099
A_22_P00023199	1,57311	1,53969	1,023435371	ENST00000472120	101928405	XR_241610	LOC101928405
A_33_P3284453	1,61684	1,58343	1,023428277	ENST00000472335	387104	NM_001012279	SOGA3
A_23_P85240	1,63854	1,60513	1,023428277	ENST00000380659	51284	NM_016562	TLR7
A_32_P184279	13,4478	13,4144	1,023421183	ENST00000263102	8030	NM_005436	CCDC6
A_23_P121144	1,54473	1,51133	1,023421183	ENST00000470991	131375	XM_006712968	LYZL4
A_33_P3235987	11,4034	11,37	1,023421183	ENST00000451079	5303	NM_006223	PIN4
A_23_P87709	13,4237	13,3903	1,023421183	ENST00000240617	79887	NM_024829	PLBD1
A_33_P3413558	1,47762	1,44423	1,023414089	ENST00000280200	10666	XM_005266642	CD226
A_22_P00000458	1,94252	1,90913	1,023414089	ENST00000506463	101926904	N/A	LINC01265
A_22_P00016930	1,75056	1,71718	1,023406995	ENST00000426413	N/A	N/A	N/A
A_33_P3321317	1,69745	1,66408	1,023399902	ENST00000443512	389158	NM_001085420	PLSCR5
A_33_P3287233	1,72877	1,6954	1,023399902	N/A	N/A	XM_006710260	Inc-RHOXF2-1
A_22_P00020127	1,45515	1,42178	1,023399902	N/A	100506776	NR_040085	TRG-AS1
A_22_P00023845	1,61315	1,57979	1,023392808	ENST00000456621	N/A	N/A	N/A
A_21_P0011844	1,74727	1,71391	1,023392808	N/A	N/A	N/A	XLOC_I2_007541
A_21_P0006288	1,46127	1,42791	1,023392808	N/A	N/A	N/A	Inc-CDK20-4
A_22_P00025101	1,73652	1,70317	1,023385715	ENST00000380970	401337	NR_038371	LINC01446
A_21_P0006155	1,64702	1,61367	1,023385715	N/A	N/A	N/A	Inc-RORB-2
A_21_P0013048	1,37505	1,3417	1,023385715	N/A	N/A	N/A	XLOC_I2_012806
A_23_P352990	1,44782	1,41447	1,023385715	ENST00000324988	246705	NR_027246	LINC00314
A_21_P0003769	1,64633	1,61298	1,023385715	N/A	102724210	XR_425772	LOC102724210
A_21_P0001979	1,62129	1,58794	1,023385715	ENST00000437967	N/A	N/A	N/A
A_21_P0003723	1,62204	1,5887	1,023378621	N/A	N/A	N/A	Inc-RAB28-3
A_33_P3366301	1,62571	1,59238	1,023371528	ENST00000552957	387978	NR_026732	LINC01551
A_22_P00004672	1,62246	1,58913	1,023371528	ENST00000564059	N/A	BC047414	N/A

A_22_P00021623	1,49927	1,46596	1,023357341	N/A	N/A	N/A	Inc-KIAA0895-1
A_22_P00019191	1,62487	1,59156	1,023357341	ENST00000564381	N/A	N/A	N/A
A_33_P3419880	1,65467	1,62137	1,023350247	ENST00000497634	158326	N/A	FREM1
A_22_P00019572	1,52683	1,49353	1,023350247	N/A	729220	NM_001242791	FLJ45513
A_22_P00013323	1,61953	1,58623	1,023350247	ENST00000563866	N/A	N/A	N/A
A_33_P3286312	1,49324	1,45994	1,023350247	ENST00000530412	440041	N/A	TRIM51HP
A_33_P3384427	1,54777	1,51448	1,023343154	N/A	N/A	N/A	N/A
A_22_P00013094	1,40103	1,36775	1,023336061	N/A	N/A	AK125876	Inc-RIIAD1-1
A_22_P00017481	1,64404	1,61076	1,023336061	ENST00000440357	284798	NR_027091	LOC284798
A_22_P00015585	1,68	1,64673	1,023328968	ENST00000534120	N/A	N/A	N/A
A_22_P00010828	2,06214	2,02888	1,023321874	N/A	N/A	CN352709	Inc-NNT-3
A_21_P0002918	1,55841	1,52515	1,023321874	ENST00000444379	N/A	N/A	N/A
A_23_P151662	9,07675	9,0435	1,023314781	ENST00000554709	4149	NM_197957	MAX
A_33_P3278152	7,51658	7,48333	1,023314781	N/A	N/A	N/A	N/A
A_33_P3284813	1,64585	1,6126	1,023314781	ENST00000529198	387638	NM_001177483	C10orf113
A_22_P00020302	1,51268	1,47944	1,023307688	N/A	N/A	BC039357	Inc-CALM1-6
A_23_P29663	4,4265	4,39326	1,023307688	ENST00000475688	51364	NM_015896	ZMYND10
A_24_P548060	1,60033	1,5671	1,023300595	ENST00000419499	N/A	AK056689	N/A
A_22_P00003380	1,51213	1,47892	1,023286409	ENST00000577835	N/A	CR740139	N/A
A_24_P339611	14,2959	14,2627	1,023279317	ENST00000221784	9141	NM_004708	PDCD5
A_33_P3262495	11,8942	11,861	1,023279317	ENST00000372524	84858	NM_032772	ZNF503
A_22_P00017373	9,58729	9,5541	1,023272224	N/A	N/A	BI464920	Inc-UTS2-1
A_22_P00012346	1,50076	1,46759	1,023258038	N/A	N/A	BG184512	Inc-PRDM4-4
A_22_P00009069	1,64797	1,6148	1,023258038	ENST00000524059	286135	NR_024473	FAM183CP
A_33_P3250820	1,56439	1,53122	1,023258038	ENST00000280481	341640	NM_207361	FREM2
A_22_P00004298	1,73177	1,6986	1,023258038	ENST00000429137	N/A	N/A	N/A
A_22_P00011281	1,66589	1,63273	1,023250946	ENST00000508616	N/A	BC104637	N/A
A_22_P00009124	1,5248	1,49164	1,023250946	ENST00000564385	N/A	BC016176	N/A
A_33_P3404974	1,63827	1,60512	1,023243853	ENST00000244799	221391	NM_181744	OPN5
A_33_P3359543	9,99139	9,95825	1,02323676	N/A	93134	NM_152289	ZNF561
A_21_P0010063	1,70564	1,67252	1,023222575	N/A	N/A	N/A	Inc-GCNT7-1
A_33_P3467748	1,38368	1,35056	1,023222575	N/A	N/A	N/A	N/A
A_22_P00002495	1,60837	1,57526	1,023215483	ENST00000566641	N/A	N/A	N/A



A_24_P161144	6,60468	6,57157	1,023215483	ENST00000315678	283933	NM_001136509	ZNF843
A_21_P0007764	1,53655	1,50345	1,023208391	N/A	N/A	N/A	Inc-TBX3-1
A_22_P00009074	1,50508	1,47198	1,023208391	ENST00000522158	101929450	NR_125816	LOC101929450
A_23_P355824	12,7591	12,726	1,023208391	ENST00000399577	23295	NM_015246	MGRN1
A_23_P128991	15,3963	15,3632	1,023208391	ENST00000556956	81892	NM_031210	SLIRP
A_32_P213091	1,56683	1,53374	1,023201298	ENST00000423335	729993	NM_001145205	SHISA9
A_22_P00024932	1,50854	1,47546	1,023194206	N/A	101928163	NR_110799	LOC101928163
A_33_P3270332	1,73134	1,69827	1,023187114	ENST00000373508	100287792	N/A	LOC100287792
A_21_P0005489	1,47935	1,44628	1,023187114	N/A	N/A	N/A	Inc-HERPUD2-1
A_22_P00000427	8,04849	8,01542	1,023187114	N/A	100507171	NR_045637	BOLA3-AS1
A_21_P0003251	1,37048	1,33742	1,023180022	N/A	N/A	N/A	Inc-COL6A6-1
A_33_P3378680	1,42045	1,38739	1,023180022	N/A	N/A	N/A	N/A
A_22_P00000124	1,4579	1,42484	1,023180022	N/A	N/A	N/A	Inc-A1CF-2
A_22_P00025086	1,46731	1,43426	1,02317293	ENST00000548764	N/A	DB020179	N/A
A_33_P3248843	1,63404	1,60099	1,02317293	ENST00000409758	N/A	N/A	N/A
A_33_P3755126	1,57809	1,54505	1,023165838	ENST00000481578	646168	NR_033843	LINC01330
A_22_P00020047	1,44588	1,41284	1,023165838	ENST00000415283	N/A	N/A	N/A
A_22_P00022829	1,75175	1,71871	1,023165838	ENST00000503953	N/A	N/A	N/A
A_21_P0013936	1,51846	1,48542	1,023165838	N/A	100287651	XM_002342853	LOC100287651
A_33_P3259954	1,62643	1,5934	1,023158746	N/A	N/A	N/A	N/A
A_22_P00006745	1,50101	1,46799	1,023151654	ENST00000559570	N/A	N/A	N/A
A_22_P00013159	4,39533	4,36231	1,023151654	ENST00000575165	7732	NM_007148	RNF112
A_22_P00001610	1,7099	1,67689	1,023144562	ENST00000554798	N/A	N/A	N/A
A_21_P0014339	1,5361	1,5031	1,02313747	N/A	N/A	N/A	Inc-AC009113.1-1
A_24_P415150	1,4482	1,41521	1,023130378	ENST00000341700	9630	NM_004297	GNA14
A_22_P00005766	1,38429	1,35131	1,023123286	N/A	N/A	N/A	Inc-ENOSF1-2
A_22_P00018514	1,54228	1,50931	1,023116194	N/A	102724341	NR_120675	NEURL1-AS1
A_22_P00025900	1,39699	1,36403	1,023109103	ENST00000508942	N/A	N/A	N/A
A_21_P0014760	1,66251	1,62955	1,023109103	N/A	100506557	XR_132524	LOC100506557
A_21_P0011705	1,55538	1,52243	1,023102011	N/A	N/A	N/A	XLOC_I2_006797
A_21_P0000010	1,64334	1,6104	1,02309492	ENST00000542713	2289	NM_001145777	FKBP5
A_33_P3362915	1,39177	1,35883	1,02309492	ENST00000513677	2993	NM_002099	GYPA
A_21_P0009415	1,49551	1,46259	1,023080737	N/A	N/A	N/A	Inc-BTBD17-4

A_21_P0007664	1,4644	1,43148	1,023080737	N/A	N/A	N/A	Inc-TMEM132C-6
A_33_P3382276	1,64986	1,61695	1,023073645	ENST00000468614	6480	N/A	ST6GAL1
A_23_P112429	18,3381	18,3052	1,023066554	ENST00000348462	11224	NM_007209	RPL35
A_32_P130265	11,9012	11,8683	1,023066554	ENST00000495527	9877	NM_014827	ZC3H11A
A_22_P00004276	1,39109	1,35821	1,023052371	N/A	N/A	N/A	Inc-CNN1-2
A_33_P3316522	5,08778	5,05491	1,02304528	ENST00000317676	245937	NM_001037500	DEFB124
A_23_P105436	8,07136	8,03849	1,02304528	ENST00000392597	5781	NM_002834	PTPN11
A_21_P0010977	1,63763	1,60476	1,02304528	ENST00000527482	92292	NM_001220494	GLYATL1
A_24_P113572	1,47242	1,43955	1,02304528	ENST00000313237	112885	NM_138415	PHF21B
A_21_P0004701	1,37077	1,33791	1,023038189	ENST00000448126	N/A	N/A	N/A
A_21_P0007771	1,6633	1,63044	1,023038189	N/A	N/A	N/A	Inc-TAOK3-2
A_33_P3416644	1,43835	1,4055	1,023031098	N/A	N/A	N/A	N/A
A_22_P00003925	1,53418	1,50134	1,023024006	ENST00000518436	101929495	NR_120601	LINC01339
A_33_P3222942	3,97191	3,93907	1,023024006	N/A	27201	NM_080819	GPR78
A_21_P0005460	1,72503	1,6922	1,023016915	ENST00000437428	100996541	NR_126161	FAM157C
A_21_P0011992	1,55065	1,51782	1,023016915	ENST00000431542	N/A	N/A	N/A
A_21_P0001027	1,46798	1,43515	1,023016915	N/A	101928596	XR_250898	LOC101928596
A_21_P0008153	1,53241	1,49959	1,023009824	N/A	N/A	N/A	Inc-NUFIP1-1
A_23_P2825	1,51414	1,48133	1,023002733	ENST00000377844	57626	NM_020866	KLHL1
A_33_P3335910	1,57339	1,54058	1,023002733	ENST00000341594	23345	NM_033071	SYNE1
A_33_P3728979	1,67771	1,64491	1,022995643	ENST00000511718	167555	NM_205548	FAM151B
A_24_P88800	10,6157	10,5829	1,022995643	ENST00000607768	9167	NM_004718	COX7A2L
A_33_P3230037	13,0785	13,0457	1,022995643	N/A	N/A	AF336885	N/A
A_33_P3806704	1,69546	1,66268	1,022981461	N/A	N/A	N/A	N/A
A_32_P40288	1,54169	1,50891	1,022981461	ENST00000392429	114801	NM_052913	TMEM200A
A_21_P0001675	1,69121	1,65845	1,02296728	N/A	N/A	N/A	Inc-PPIE-3
A_22_P00018034	1,49772	1,46497	1,022960189	N/A	N/A	N/A	Inc-ZNF236-1
A_21_P0005216	1,64184	1,60909	1,022960189	ENST00000448898	N/A	N/A	N/A
A_21_P0007468	1,39878	1,36603	1,022960189	N/A	N/A	N/A	Inc-PDGF1-1
A_21_P0000608	1,91266	1,87992	1,022953098	ENST00000447470	644694	N/A	CDRT15P2
A_21_P0010242	1,61968	1,58694	1,022953098	N/A	N/A	N/A	Inc-DYRK1A-1
A_22_P00001107	1,40322	1,37048	1,022953098	N/A	101929418	XR_427015	LOC101929418
A_33_P3255706	1,66165	1,62891	1,022953098	ENST00000368144	128371	NM_001005184	OR6K6

A_21_P0002567	1,67533	1,64261	1,022938917	N/A	N/A	N/A	Inc-SOX11-3
A_33_P3366471	1,41516	1,38244	1,022938917	N/A	N/A	N/A	N/A
A_33_P3223909	1,5595	1,52679	1,022931827	ENST00000309415	344558	NM_001099289	SH3RF3
A_21_P0006374	3,03016	2,99746	1,022924736	N/A	N/A	N/A	Inc-C9orf86-1
A_33_P3507384	1,58335	1,55065	1,022924736	ENST00000566553	152274	XR_245184	LOC152274
A_21_P0002190	1,3992	1,36651	1,022917646	N/A	N/A	N/A	Inc-BRE-1
A_21_P0012687	1,51543	1,48274	1,022917646	N/A	N/A	N/A	XLOC_I2_011302
A_33_P3749100	1,48078	1,4481	1,022910556	N/A	285045	N/A	LINC00486
A_21_P0003576	1,53892	1,50625	1,022903465	N/A	N/A	N/A	Inc-CPEB2-8
A_21_P0008015	1,57903	1,54637	1,022896375	ENST00000433569	N/A	N/A	N/A
A_33_P3350423	1,62682	1,59416	1,022896375	ENST00000375116	30814	NM_014589	PLA2G2E
A_22_P00000168	1,52072	1,48807	1,022889285	N/A	N/A	N/A	Inc-ABCC3-1
A_21_P0002868	1,42713	1,39448	1,022889285	ENST00000496943	101929579	N/A	LOC101929579
A_33_P3337049	1,59074	1,5581	1,022882195	ENST00000443437	2742	NM_001118886	GLRA2
A_21_P0005993	1,52482	1,49218	1,022882195	ENST00000417850	N/A	N/A	N/A
A_22_P00023891	1,68242	1,64979	1,022875105	ENST00000424678	N/A	N/A	N/A
A_21_P0001522	1,37531	1,34269	1,022868015	N/A	N/A	N/A	Inc-ELTD1-5
A_33_P3423755	1,64241	1,60979	1,022868015	ENST00000425630	399706	N/A	LINC00200
A_33_P3245484	7,07736	7,04475	1,022860925	N/A	100131000	AK124361	LOC100131000
A_22_P00021003	1,7028	1,6702	1,022853835	N/A	N/A	N/A	Inc-HDAC9-2
A_24_P393611	4,78666	4,75407	1,022846745	ENST00000564798	2775	NM_138736	GNAO1
A_33_P3412548	1,49258	1,45999	1,022846745	N/A	100134423	XR_112192	LOC100134423
A_22_P00004011	1,37423	1,34164	1,022846745	N/A	N/A	N/A	Inc-CHMP4C-2
A_21_P0007358	1,53955	1,50696	1,022846745	N/A	N/A	N/A	Inc-AHNAK-3
A_22_P00004591	1,46679	1,43421	1,022839655	ENST00000565955	N/A	BC015716	N/A
A_22_P00021571	1,56401	1,53143	1,022839655	N/A	N/A	N/A	Inc-CR392000.1-1
A_22_P00022078	1,48858	1,45601	1,022832566	ENST00000457833	N/A	N/A	N/A
A_21_P0004170	1,6017	1,56913	1,022832566	ENST00000504419	102467223	N/A	LOC102467223
A_33_P3408269	1,51145	1,47889	1,022825476	ENST00000376312	245934	NM_001171832	DEFB121
A_23_P137931	1,63685	1,60429	1,022825476	ENST00000241356	140	NM_000677	ADORA3
A_33_P3267033	1,61868	1,58612	1,022825476	N/A	100130169	AK130403	LOC100130169
A_33_P3231695	7,90002	7,86747	1,022818386	ENST00000592189	63934	NM_022103	ZNF667
A_22_P00012055	7,61724	7,58469	1,022818386	ENST00000300087	84516	NM_001199743	DCTN5

A_21_P0002174	1,52335	1,49081	1,022811297	N/A	N/A	N/A	Inc-TRIB2-4
A_32_P795513	1,64355	1,61103	1,022797118	ENST00000420581	56203	AK057852	LMOD3
A_22_P00007525	1,5133	1,48078	1,022797118	N/A	N/A	BQ654366	Inc-HABP4-2
A_21_P0004947	1,44715	1,41463	1,022797118	N/A	N/A	N/A	Inc-TNFAIP3-5
A_22_P00002931	1,52963	1,49712	1,022790028	N/A	N/A	BX113371	Inc-C5orf35-1
A_21_P0001841	1,54081	1,5083	1,022790028	ENST00000432822	N/A	N/A	N/A
A_33_P3276450	1,64669	1,61418	1,022790028	ENST00000447830	375686	NM_198572	SPATC1
A_22_P00001392	1,66379	1,63129	1,022782939	N/A	N/A	BG193821	Inc-AP4E1-1
A_22_P00014562	1,38786	1,35536	1,022782939	N/A	N/A	N/A	Inc-SKA2-1
A_21_P0010988	1,53122	1,49873	1,022775849	N/A	N/A	N/A	XLOC_I2_002423
A_23_P32805	1,68112	1,64864	1,02276876	ENST00000464741	2894	NM_017551	GRID1
A_22_P00001839	1,66606	1,63358	1,02276876	N/A	N/A	N/A	Inc-ATR-1
A_21_P0010111	1,56479	1,53232	1,022761671	N/A	N/A	N/A	Inc-FOXA2-3
A_22_P00004460	1,63793	1,60547	1,022754582	ENST00000511200	152742	NR_033931	LINC01085
A_22_P00013308	1,53639	1,50396	1,022733314	N/A	N/A	BJ989483	Inc-RP11-115C10.1.1-1
A_21_P0001008	1,48201	1,44958	1,022733314	ENST00000417218	N/A	N/A	N/A
A_33_P3421808	1,68625	1,65382	1,022733314	N/A	N/A	N/A	N/A
A_24_P315862	5,99407	5,96165	1,022726225	ENST00000612474	N/A	S73508	N/A
A_33_P3318069	4,33119	4,29877	1,022726225	N/A	N/A	N/A	N/A
A_19_P00316257	1,53613	1,50371	1,022726225	N/A	101927668	N/A	LOC101927668
A_33_P6820146	1,37163	1,33923	1,022712047	ENST00000477518	23145	NM_198455	SSPO
A_21_P0008321	1,55486	1,52246	1,022712047	N/A	101927291	XR_245754	LOC101927291
A_21_P0005717	1,66203	1,62963	1,022712047	N/A	102724772	XR_426328	LOC102724772
A_22_P00007318	1,40635	1,37396	1,022704958	ENST00000556673	283587	N/A	LINC01146
A_22_P00011119	1,45365	1,42126	1,022704958	N/A	N/A	N/A	Inc-NUFIP2-1
A_23_P105524	1,45056	1,41817	1,022704958	ENST00000539875	89869	NM_033123	PLCZ1
A_21_P0003654	1,58787	1,55549	1,02269787	N/A	N/A	N/A	Inc-CCRN4L-8
A_22_P00015289	4,33003	4,29765	1,02269787	N/A	100861402	NR_045786	CERS6-AS1
A_22_P00012236	1,50918	1,4768	1,02269787	ENST00000508992	101927379	NR_109881	LOC101927379
A_21_P0013493	1,63843	1,60607	1,022683692	ENST00000519714	101929488	N/A	LOC101929488
A_21_P0014266	1,68499	1,65264	1,022676603	N/A	N/A	XR_132956	N/A
A_33_P3400678	1,61196	1,57962	1,022669515	ENST00000394256	341418	NM_001005494	OR6C4
A_22_P00014639	4,00037	3,96804	1,022662426	N/A	N/A	N/A	Inc-SLC17A9-1

A_21_P0012532	1,52702	1,49469	1,022662426	ENST00000424366	101927347	N/A	GRM7-AS3
A_23_P16953	1,5264	1,49407	1,022662426	ENST00000258400	3357	NM_000867	HTR2B
A_33_P3238529	1,51811	1,48579	1,022655338	N/A	N/A	N/A	N/A
A_33_P3225128	1,50975	1,47743	1,022655338	N/A	N/A	N/A	N/A
A_21_P0013879	1,47919	1,44688	1,022648249	ENST00000430079	N/A	N/A	N/A
A_22_P00015027	1,54578	1,51347	1,022648249	ENST00000551732	N/A	N/A	N/A
A_21_P0003417	1,59441	1,56211	1,022641161	ENST00000513617	N/A	N/A	N/A
A_23_P157027	1,52216	1,48986	1,022641161	ENST00000407838	222008	NM_182546	VSTM2A
A_23_P97853	9,57062	9,53832	1,022641161	ENST00000613758	80195	NM_025125	TMEM254
A_23_P14564	1,42055	1,38826	1,022634072	ENST00000267549	8477	NM_003608	GPR65
A_21_P0004321	1,53485	1,50256	1,022634072	N/A	N/A	N/A	Inc-UBLCP1-8
A_22_P00017897	1,69942	1,66713	1,022634072	N/A	283392	NR_026836	TRHDE-AS1
A_33_P3222529	1,66435	1,63207	1,022626984	N/A	N/A	N/A	N/A
A_22_P00005328	1,57233	1,54005	1,022626984	ENST00000425352	N/A	N/A	N/A
A_21_P0014647	1,6346	1,60233	1,022619896	N/A	N/A	N/A	N/A
A_22_P00023242	1,43518	1,40291	1,022619896	N/A	N/A	CR745401	Inc-SNW1-2
A_21_P0012699	1,56734	1,53508	1,022612808	N/A	N/A	N/A	XLOC_I2_011407
A_33_P3404360	1,57017	1,53792	1,022605719	ENST00000432501	N/A	N/A	N/A
A_23_P101434	1,73106	1,69881	1,022605719	ENST00000345770	91662	NM_001277126	NLRP12
A_21_P0011516	1,52099	1,48875	1,022598631	N/A	N/A	N/A	XLOC_I2_005683
A_22_P00014506	1,69723	1,665	1,022591543	ENST00000420865	N/A	N/A	N/A
A_21_P0008303	1,69238	1,66016	1,022584455	N/A	N/A	N/A	Inc-RP11-80A15.1.1-5
A_33_P3251562	1,61098	1,57876	1,022584455	ENST00000401068	284654	NM_001038633	RSPO1
A_22_P00004010	1,64041	1,60819	1,022584455	ENST00000533523	29082	NM_014169	CHMP4A
A_21_P0010193	1,47715	1,44493	1,022584455	N/A	N/A	N/A	Inc-MRPL39-4
A_33_P3363470	1,72997	1,69776	1,022577367	ENST00000508169	344875	N/A	COL6A4P1
A_21_P0014189	1,63368	1,60147	1,022577367	N/A	N/A	N/A	N/A
A_33_P3375775	1,62943	1,59722	1,022577367	ENST00000569740	102724344	XR_424739	LOC102724344
A_22_P00006897	2,77445	2,74225	1,022570279	N/A	100506724	NR_121607	LINC00901
A_21_P0004890	1,6726	1,6404	1,022570279	N/A	102724327	XR_427954	LOC102724327
A_24_P320254	13,6764	13,6442	1,022570279	ENST00000510678	3187	NM_005520	HNRNP1
A_21_P0007231	1,63931	1,60713	1,022556103	N/A	N/A	N/A	Inc-ANO1-2
A_21_P0005610	1,651	1,61883	1,022549016	N/A	N/A	N/A	Inc-TSPAN12-2

A_21_P0012611	3,36704	3,33487	1,022549016	N/A	N/A	N/A	XLOC_I2_010831
A_21_P0005146	1,68009	1,64793	1,022541928	N/A	N/A	N/A	Inc-FAM120B-6
A_21_P0006308	1,45649	1,42433	1,022541928	N/A	N/A	N/A	Inc-KLF4-2
A_22_P00009785	1,44028	1,40813	1,02253484	ENST00000513805	645323	NR_015436	LINC00461
A_21_P0001729	1,55209	1,51994	1,02253484	N/A	N/A	N/A	Inc-DMRTA2-1
A_21_P0006945	1,51525	1,4831	1,02253484	ENST00000439973	N/A	N/A	N/A
A_22_P00007833	1,50519	1,47304	1,02253484	ENST00000440614	N/A	N/A	N/A
A_23_P130333	1,53397	1,50182	1,02253484	ENST00000237014	7276	NM_000371	TTR
A_33_P3290853	1,38537	1,35322	1,02253484	ENST00000471935	N/A	X58796	N/A
A_23_P130961	1,53346	1,50132	1,022527753	ENST00000263621	1991	NM_001972	ELANE
A_33_P3294861	1,63201	1,59988	1,022520665	N/A	401044	AK098031	FLJ40712
A_21_P0005608	1,48685	1,45472	1,022520665	N/A	101927525	XR_242314	LOC101927525
A_21_P0003880	1,49595	1,46382	1,022520665	N/A	N/A	N/A	Inc-FRG1-4
A_21_P0008843	1,62026	1,58813	1,022520665	N/A	N/A	N/A	Inc-NDN-3
A_33_P3679876	1,50114	1,46903	1,02250649	N/A	340037	NR_038915	PRR7-AS1
A_23_P49448	12,521	12,4889	1,022499402	ENST00000219368	79152	NM_024306	FA2H
A_22_P00007897	10,5512	10,5191	1,022499402	N/A	N/A	N/A	Inc-HSP90AA1-2
A_22_P00020285	1,6237	1,5916	1,022499402	N/A	N/A	N/A	Inc-PSMA2-2
A_22_P00018660	1,7506	1,71851	1,022492315	N/A	N/A	N/A	Inc-ZBTB10-3
A_24_P401491	1,62063	1,58854	1,022492315	ENST00000477017	254956	NM_198469	MORN5
A_21_P0012025	1,56856	1,53647	1,022492315	ENST00000413525	101928455	N/A	LINC01412
A_22_P00010608	1,47051	1,43845	1,022471053	N/A	N/A	N/A	Inc-NDUFA5-1
A_22_P00024754	1,5606	1,52855	1,022463966	ENST00000518302	N/A	AI077482	N/A
A_21_P0007583	1,50834	1,4763	1,022456879	N/A	N/A	N/A	Inc-GLIPR1-2
A_33_P3238579	1,56288	1,53084	1,022456879	ENST00000611787	N/A	KF751595	N/A
A_33_P3357163	1,72489	1,69285	1,022456879	N/A	728448	NR_003929	PPIEL
A_23_P151820	1,51592	1,48388	1,022456879	ENST00000620541	79890	NM_024832	RIN3
A_21_P0004493	1,46159	1,42956	1,022449792	N/A	N/A	N/A	Inc-C5orf17-5
A_33_P3394175	1,60654	1,57452	1,022442705	ENST00000390363	N/A	AB306151	N/A
A_33_P3297375	1,65276	1,62074	1,022442705	ENST00000358859	196477	BC026075	CCER1
A_22_P00007366	1,74427	1,71225	1,022442705	N/A	N/A	N/A	Inc-GREM2-3
A_21_P0002426	1,56165	1,52963	1,022442705	N/A	N/A	N/A	Inc-KCNG3-1
A_24_P458252	1,405	1,37298	1,022442705	ENST00000437884	N/A	N/A	N/A

A_21_P0012364	1,54802	1,516	1,022442705	N/A	N/A	N/A	XLOC_I2_009613
A_22_P00013581	1,64118	1,60917	1,022435618	ENST00000556617	100874185	NR_051990	FRMD6-AS2
A_22_P00010814	1,69112	1,65911	1,022435618	ENST00000563865	N/A	N/A	N/A
A_24_P261724	12,816	12,784	1,022428531	ENST00000543757	9921	NM_014868	RNF10
A_33_P8996504	1,51433	1,48233	1,022428531	N/A	102724973	XR_433192	LOC102724973
A_21_P0004932	1,5194	1,4874	1,022428531	N/A	N/A	N/A	Inc-GJA1-2
A_23_P400716	1,46541	1,43342	1,022421444	ENST00000304760	126669	NM_001010846	SHE
A_21_P0002075	1,53132	1,49935	1,02240727	ENST00000622970	101927070	NR_126337	LOC101927070
A_24_P256654	8,61494	8,58298	1,022400183	ENST00000421685	401588	NR_015378	ZNF674-AS1
A_22_P00003374	1,59982	1,56786	1,022400183	N/A	100874530	NR_104187	APOBEC3B-AS1
A_22_P00003409	1,36962	1,33767	1,022393097	ENST00000507733	N/A	N/A	N/A
A_21_P0002811	1,49881	1,46686	1,022393097	ENST00000488262	100505609	XR_108518	LOC100505609
A_22_P00024485	1,47774	1,44579	1,022393097	ENST00000511603	N/A	N/A	N/A
A_22_P00016619	1,39662	1,36468	1,02238601	ENST00000423153	N/A	N/A	N/A
A_23_P324605	1,6332	1,60126	1,02238601	ENST00000389394	1768	NM_001370	DNAH6
A_33_P3364631	1,56153	1,52959	1,02238601	N/A	N/A	N/A	Inc-NCKAP1L-1
A_22_P00012548	1,39281	1,36087	1,02238601	N/A	N/A	N/A	Inc-PTGDR2-1
A_21_P0002915	1,63967	1,60774	1,022378923	ENST00000441169	253573	N/A	LOC253573
A_33_P3314352	1,66086	1,62894	1,022371837	N/A	N/A	N/A	N/A
A_21_P0013133	1,44306	1,41114	1,022371837	ENST00000435946	101928516	N/A	LOC101928516
A_22_P00002921	1,69854	1,66663	1,02236475	N/A	N/A	N/A	Inc-C5orf25-2
A_33_P3369581	12,3219	12,29	1,022357664	ENST00000589674	8666	NM_003755	EIF3G
A_22_P00010247	1,61406	1,58216	1,022357664	N/A	101927543	NR_125419	LOC101927543
A_22_P00014421	1,556	1,52411	1,022350577	ENST00000508555	N/A	N/A	N/A
A_22_P00016403	1,37403	1,34215	1,022343491	N/A	N/A	N/A	Inc-TMEM206-3
A_21_P0003464	1,47623	1,44435	1,022343491	ENST00000512898	N/A	N/A	N/A
A_33_P3314623	1,6272	1,59532	1,022343491	N/A	N/A	N/A	N/A
A_33_P3307147	1,57377	1,5419	1,022336405	ENST00000369138	2898	NM_001166247	GRIK2
A_23_P115246	4,28687	4,25501	1,022329318	ENST00000270879	8547	NM_003665	FCN3
A_22_P00011818	1,46927	1,43742	1,022322232	N/A	N/A	N/A	Inc-PHF14-1
A_22_P00012209	1,47472	1,44288	1,022315146	N/A	N/A	N/A	Inc-PPAPDC3-1
A_21_P0003862	1,44437	1,41254	1,02230806	N/A	101928439	XR_244759	LOC101928439
A_21_P0002577	1,49346	1,46164	1,022300974	N/A	N/A	N/A	Inc-AC010872.2.1-1

A_22_P00016672	1,66189	1,63008	1,022293888	N/A	N/A	N/A	Inc-TPO-1
A_22_P00017951	1,52346	1,49165	1,022293888	N/A	N/A	N/A	Inc-ZIC2-1
A_33_P3304282	16,4938	16,462	1,022286802	ENST00000563390	6210	NM_001019	RPS15A
A_23_P355405	1,53678	1,50499	1,022279716	ENST00000471618	85445	NM_138994	CNTNAP4
A_24_P194670	1,52748	1,49569	1,022279716	ENST00000376992	164380	NR_001279	CST13P
A_21_P0007200	1,43582	1,40403	1,022279716	N/A	N/A	N/A	Inc-API5-2
A_22_P00006758	1,37837	1,34659	1,02227263	N/A	N/A	N/A	Inc-FTCD-1
A_33_P3363650	1,54529	1,51352	1,022265544	N/A	N/A	N/A	N/A
A_33_P3290162	4,09155	4,05979	1,022258458	ENST00000409749	401036	NM_212556	ASB18
A_33_P3259750	1,39066	1,3589	1,022258458	N/A	N/A	N/A	N/A
A_24_P300253	1,63205	1,60029	1,022258458	ENST00000290431	27039	NM_014386	PKD2L2
A_22_P00000600	8,116	8,08424	1,022258458	ENST00000566930	101927239	NR_110748	LOC101927239
A_21_P0006003	1,68836	1,65661	1,022251373	N/A	N/A	N/A	Inc-ANKRD18B-2
A_21_P0003317	1,38279	1,35105	1,022244287	ENST00000510956	101928851	N/A	LOC101928851
A_24_P113131	2,80888	2,77714	1,022244287	ENST00000268893	9256	NM_004758	BZRAP1
A_33_P3270996	1,48423	1,4525	1,022237201	ENST00000354905	131920	NM_207316	TMEM207
A_21_P0013496	1,37088	1,33916	1,022230116	N/A	N/A	N/A	XLOC_I2_014234
A_23_P145006	7,86954	7,83783	1,02222303	ENST00000507160	117156	NM_054023	SCGB3A2
A_22_P00003148	1,5221	1,4904	1,022215945	N/A	N/A	N/A	Inc-C9orf170-4
A_33_P3353692	7,66174	7,63004	1,022215945	ENST00000463027	4627	NM_002473	MYH9
A_33_P3252635	9,43569	9,40399	1,022215945	ENST00000595187	9534	NM_001278665	ZNF254
A_33_P3256858	12,8362	12,8045	1,022215945	ENST00000334656	283643	NM_001134875	C14orf80
A_21_P0002735	1,51854	1,48688	1,022187603	ENST00000424786	N/A	XR_249390	N/A
A_33_P3886737	1,45006	1,41841	1,022180518	N/A	N/A	BX648586	Inc-WDR27-1
A_22_P00001343	1,51576	1,48411	1,022180518	ENST00000525757	102724910	N/A	LOC102724910
A_24_P3415	1,74159	1,70995	1,022173433	ENST00000335585	5522	NM_020416	PPP2R2C
A_22_P00001184	2,83162	2,8	1,022159263	ENST00000523090	N/A	CN287759	N/A
A_23_P98410	2,83927	2,80766	1,022152178	ENST00000392883	917	NM_000073	CD3G
A_22_P00024435	1,50116	1,46956	1,022145093	ENST00000557070	N/A	DB281755	N/A
A_33_P3413394	2,70687	2,67527	1,022145093	ENST00000421794	353174	BC110596	ZACN
A_23_P345175	1,48936	1,45778	1,022130923	ENST00000308208	160762	NM_152591	CCDC63
A_21_P0007453	1,63734	1,60576	1,022130923	N/A	N/A	N/A	Inc-RP11-168K9.2.1-2
A_22_P00004781	1,37522	1,34365	1,022123838	N/A	N/A	N/A	Inc-CUL2-1



A_21_P0014868	1,52882	1,49725	1,022123838	N/A	100508046	NR_110505	LOC100508046
A_24_P166126	1,4468	1,41523	1,022123838	ENST00000307128	51778	NM_016599	MYOZ2
A_21_P0011272	1,62049	1,58893	1,022116753	N/A	N/A	N/A	XLOC_I2_004537
A_33_P3285779	1,49078	1,45923	1,022109668	ENST00000505518	340113	NR_033832	LOC340113
A_22_P00003476	1,50444	1,47289	1,022109668	N/A	N/A	N/A	Inc-CCDC71L-1
A_21_P0009461	4,45124	4,4197	1,022102584	N/A	N/A	N/A	Inc-SEH1L-1
A_22_P00016028	1,47259	1,44105	1,022102584	N/A	N/A	N/A	Inc-TGFB3-2
A_23_P67661	1,69015	1,65861	1,022102584	ENST00000292907	1346	AK312091	COX7A1
A_21_P0007175	1,55177	1,52023	1,022102584	N/A	N/A	N/A	Inc-CTR9-4
A_21_P0011786	1,52185	1,49031	1,022102584	N/A	N/A	N/A	XLOC_I2_007167
A_32_P85999	1,54388	1,51234	1,022102584	ENST00000566620	1012	NM_001257	CDH13
A_22_P00013560	1,37944	1,34791	1,022095499	N/A	N/A	N/A	Inc-RP11-43D2.2.1-4
A_33_P3423506	1,58872	1,55719	1,022095499	ENST00000389586	120406	NM_182495	NXPE2
A_21_P0012817	1,52052	1,489	1,022088414	ENST00000515660	100506272	N/A	LOC100506272
A_22_P00000695	1,50373	1,47221	1,022088414	N/A	102723885	NR_120517	LOC102723885
A_33_P3282241	1,4529	1,42139	1,02208133	ENST00000378396	390144	NM_001005496	OR5D16
A_24_P131646	1,65357	1,62206	1,02208133	ENST00000292327	4634	NM_000258	MYL3
A_33_P3402225	1,49597	1,46446	1,02208133	ENST00000512082	N/A	N/A	N/A
A_21_P0012733	1,50687	1,47537	1,022074245	N/A	N/A	N/A	Inc-MMRN1-2
A_21_P0010001	1,44873	1,41724	1,022067161	N/A	N/A	N/A	Inc-HAO1-2
A_23_P133386	1,67802	1,64653	1,022067161	ENST00000265080	5924	NM_006909	RASGRF2
A_32_P225659	1,39825	1,36676	1,022067161	ENST00000340524	257313	NM_198152	UTS2B
A_21_P0000965	1,6832	1,65171	1,022067161	N/A	N/A	N/A	Inc-AL591845.1-2
A_22_P00024131	1,49251	1,46103	1,022060076	ENST00000446579	N/A	N/A	N/A
A_21_P0001347	1,38118	1,34971	1,022052992	N/A	N/A	N/A	Inc-RWDD3-1
A_33_P3497352	1,53958	1,50811	1,022052992	ENST00000393125	2893	NM_001077244	GRIA4
A_21_P0014869	1,62232	1,59085	1,022052992	N/A	N/A	N/A	Inc-GLIPR1L1-2
A_24_P350397	1,37476	1,3433	1,022045908	ENST00000528909	3283	NM_000862	HSD3B1
A_24_P792124	1,59736	1,56591	1,022038823	ENST00000303354	6335	NM_002977	SCN9A
A_21_P0012617	1,57916	1,54771	1,022038823	ENST00000502757	100874047	N/A	LINC00499
A_22_P00025109	1,50929	1,47786	1,022024655	N/A	101929452	N/A	LOC101929452
A_21_P0009204	1,55927	1,52785	1,022017571	ENST00000576738	101928766	NR_110850	LOC101928766
A_33_P3340224	4,6891	4,65769	1,022010487	N/A	100128081	NR_034097	JAZF1-AS1

A_23_P110764	1,54414	1,51273	1,022010487	ENST00000421631	9499	NM_006790	MYOT
A_22_P00003440	1,36897	1,33757	1,022003403	N/A	N/A	N/A	Inc-CCDC38-2
A_33_P3335905	1,72826	1,69687	1,021996319	N/A	N/A	N/A	N/A
A_22_P00025180	1,40392	1,37255	1,021982151	N/A	N/A	N/A	Inc-KCTD3-3
A_22_P00016328	1,54772	1,51635	1,021982151	N/A	N/A	N/A	Inc-TMEM14E-1
A_22_P00008920	1,421	1,38964	1,021975067	ENST00000416581	101929651	N/A	LINC01398
A_21_P0003658	6,75181	6,72046	1,021967984	N/A	N/A	N/A	Inc-USP38-1
A_22_P00023674	1,64962	1,61827	1,021967984	N/A	102725384	XR_425923	LOC102725384
A_21_P0014307	1,71188	1,68053	1,021967984	ENST00000619114	N/A	XR_109236	N/A
A_32_P11096	1,70115	1,6698	1,021967984	ENST00000339534	389874	NM_203303	ZCCHC13
A_33_P3277253	1,48104	1,4497	1,0219609	ENST00000376830	138199	N/A	C9orf41
A_22_P00016099	1,5304	1,49907	1,021953816	N/A	N/A	N/A	Inc-THRSP-2
A_21_P0005834	1,70286	1,67154	1,021946733	N/A	N/A	N/A	Inc-PENK-2
A_22_P00003603	1,48607	1,45475	1,021946733	N/A	N/A	N/A	Inc-CD2AP-2
A_22_P00009575	1,67666	1,64534	1,021946733	N/A	N/A	N/A	Inc-MAP6-4
A_22_P00015629	1,4293	1,39799	1,021939649	ENST00000556021	N/A	XR_433584	N/A
A_22_P00017730	3,38205	3,35074	1,021939649	N/A	N/A	N/A	Inc-XRN2-3
A_24_P182122	12,4181	12,3868	1,021932566	ENST00000361390	4535	BC061915	ND1
A_21_P0008021	1,64685	1,61555	1,021932566	N/A	101928730	N/A	LOC101928730
A_22_P00019978	1,59353	1,56223	1,021932566	ENST00000435828	N/A	N/A	N/A
A_21_P0001976	1,56651	1,53523	1,021918399	N/A	N/A	N/A	Inc-ITM2C-1
A_21_P0014496	9,30833	9,27706	1,021911315	N/A	101927752	XR_245324	LOC101927752
A_22_P00019098	1,65155	1,62029	1,021904232	ENST00000464673	102724195	XR_427424	LOC102724195
A_21_P0004785	1,53137	1,50012	1,021897149	ENST00000419168	101928661	N/A	LOC101928661
A_33_P3228617	1,69333	1,66209	1,021890065	ENST00000405855	338645	AY358386	LUZP2
A_21_P0008646	1,49281	1,46157	1,021890065	N/A	N/A	N/A	Inc-SLC24A1-1
A_23_P321388	9,13311	9,10189	1,021875899	ENST00000235150	127544	NM_153341	RNF19B
A_22_P00006755	1,52064	1,48942	1,021875899	ENST00000507389	N/A	N/A	N/A
A_21_P0012122	1,52651	1,49529	1,021875899	ENST00000432633	100505663	NR_109936	LINC01370
A_21_P0004565	1,48893	1,45771	1,021875899	N/A	N/A	N/A	Inc-MEF2C-3
A_32_P160045	1,70317	1,67195	1,021875899	ENST00000282670	200132	NM_152665	TCTEX1D1
A_24_P349117	8,27789	8,24667	1,021875899	ENST00000376351	57512	NM_020752	GPR158
A_22_P00021029	1,56475	1,53354	1,021868816	N/A	N/A	N/A	Inc-C15orf44-1

A_33_P3313095	1,54066	1,50945	1,021868816	N/A	N/A	N/A	N/A
A_21_P0010351	1,62801	1,5968	1,021868816	ENST00000449126	N/A	N/A	N/A
A_23_P58647	13,0577	13,0265	1,021861733	ENST00000540387	1495	NM_001903	CTNNA1
A_23_P351913	1,47509	1,44389	1,021861733	ENST00000378858	164312	NM_152611	LRRN4
A_24_P227927	1,83503	1,80383	1,021861733	ENST00000564089	50615	NM_181078	IL21R
A_23_P54861	1,63729	1,60611	1,021847567	ENST00000566387	8755	NR_002224	ADAM6
A_21_P0005984	1,78519	1,75401	1,021847567	ENST00000445997	100130954	NR_034016	LINC01502
A_33_P3285470	4,89218	4,86101	1,021840484	ENST00000521208	575	NM_001702	BAI1
A_21_P0003605	1,61976	1,5886	1,021833401	N/A	N/A	N/A	Inc-SHISA3-1
A_23_P38634	1,63386	1,6027	1,021833401	ENST00000328890	8390	NM_003555	OR1G1
A_21_P0014691	3,57193	3,5408	1,021812153	N/A	100287808	XR_253668	LOC100287808
A_21_P0004645	1,73438	1,70325	1,021812153	ENST00000451317	100653005	N/A	LOC100653005
A_22_P00005696	1,60319	1,57206	1,021812153	ENST00000506416	N/A	N/A	N/A
A_21_P0003894	1,56108	1,52996	1,021805071	ENST00000508563	N/A	N/A	N/A
A_21_P0003643	1,74698	1,71587	1,021797988	N/A	N/A	N/A	Inc-SYNPO2-1
A_22_P00012384	1,39237	1,36126	1,021797988	ENST00000455010	N/A	N/A	N/A
A_22_P00024876	1,64704	1,61593	1,021797988	ENST00000425137	N/A	N/A	N/A
A_24_P41939	1,62545	1,59434	1,021797988	ENST00000344739	N/A	N/A	N/A
A_21_P0004607	2,61047	2,57936	1,021797988	ENST00000606622	N/A	N/A	N/A
A_22_P00024368	1,64252	1,61141	1,021797988	ENST00000546865	N/A	BX646043	N/A
A_23_P61171	1,55289	1,52179	1,021790905	ENST00000316249	26251	NM_012283	KCNG2
A_21_P0008976	1,37309	1,34199	1,021790905	ENST00000569164	101928248	N/A	LINC01229
A_33_P3218664	1,55343	1,52233	1,021790905	ENST00000333629	390437	NM_001004724	OR4N5
A_23_P337867	1,65117	1,62007	1,021790905	ENST00000408916	259287	NM_176883	TAS2R41
A_32_P145867	4,94952	4,91842	1,021790905	ENST00000416608	4951	NM_006188	OCM2
A_33_P3247639	1,53897	1,50788	1,021783823	ENST00000425181	N/A	XM_005275748	N/A
A_22_P00011740	1,50117	1,47008	1,021783823	ENST00000518943	100507632	NR_038236	LINC00968
A_23_P48414	1,38546	1,35438	1,02177674	ENST00000255465	8900	NM_003914	CCNA1
A_22_P00022466	1,50842	1,47734	1,02177674	ENST00000533496	N/A	DA453004	N/A
A_33_P3271325	1,55	1,51893	1,021769658	N/A	168741	AF348410	PER4
A_21_P0008739	1,59484	1,56379	1,021755493	N/A	N/A	N/A	Inc-MYEF2-3
A_21_P0000085	3,34664	3,31559	1,021755493	N/A	131870	NM_001171906	NUDT16
A_21_P0010020	1,47133	1,4403	1,021741329	N/A	N/A	N/A	Inc-THBD-1

A_24_P76649	1,59306	1,56203	1,021741329	ENST00000333209	285513	NM_198281	GPRIN3
A_22_P00020676	1,67913	1,64811	1,021734247	ENST00000522087	N/A	N/A	N/A
A_22_P00025914	1,57631	1,54529	1,021734247	ENST00000561559	N/A	XM_005264677	N/A
A_33_P3361901	1,37233	1,34131	1,021734247	N/A	7799	AK123605	PRDM2
A_22_P00004681	1,56794	1,53693	1,021727165	N/A	N/A	N/A	Inc-CTD-2203A3.1.1-2
A_21_P0008196	1,42336	1,39235	1,021727165	N/A	N/A	N/A	Inc-SLITRK6-1
A_33_P3335522	1,48246	1,45146	1,021720083	ENST00000481082	83416	NM_001195388	FCRL5
A_21_P0011449	1,36904	1,33805	1,021713001	N/A	N/A	N/A	XLOC_I2_005341
A_22_P00001947	1,56226	1,53128	1,021705919	ENST00000504935	N/A	BG720754	N/A
A_33_P3253299	1,47512	1,44414	1,021705919	ENST00000526812	390167	NM_001004741	OR5M10
A_33_P3371215	1,64274	1,61177	1,021698837	N/A	N/A	N/A	N/A
A_33_P3415310	1,49715	1,46618	1,021698837	ENST00000509261	N/A	N/A	N/A
A_22_P00015848	1,38489	1,35392	1,021698837	N/A	101929529	NR_125927	LOC101929529
A_21_P0010447	1,46044	1,42947	1,021698837	ENST00000609206	N/A	N/A	N/A
A_22_P00018913	1,45043	1,41947	1,021691755	N/A	N/A	N/A	Inc-C11orf46-1
A_22_P00009524	1,49379	1,46283	1,021691755	N/A	N/A	BC020387	Inc-MANSC4-2
A_33_P3340629	1,49113	1,46018	1,021684673	N/A	N/A	DA380926	N/A
A_23_P427516	1,62757	1,59663	1,021677591	ENST00000328087	50616	NM_020525	IL22
A_23_P208143	8,94887	8,91793	1,021677591	ENST00000330501	84307	NM_001135178	ZNF397
A_22_P00012902	1,55932	1,52839	1,02167051	ENST00000447078	N/A	DB090595	N/A
A_24_P177948	1,80768	1,77675	1,02167051	ENST00000458672	283417	NM_173812	DPY19L2
A_22_P00023860	1,55615	1,52522	1,02167051	N/A	100874081	NR_125912	FGF14-AS1
A_24_P113287	1,4872	1,45627	1,02167051	ENST00000614049	7772	NM_014518	ZNF229
A_32_P155364	16,3576	16,3267	1,021649265	ENST00000352983	6129	N/A	RPL7
A_23_P432610	10,265	10,2341	1,021649265	ENST00000262384	9683	NM_153029	N4BP1
A_21_P0010904	1,54427	1,51337	1,021649265	N/A	N/A	N/A	XLOC_I2_002110
A_33_P3380693	15,797	15,7661	1,021649265	ENST00000527418	8751	NM_207197	ADAM15
A_33_P3328619	16,7109	16,68	1,021649265	N/A	N/A	N/A	N/A
A_22_P00000944	1,66071	1,62982	1,021642183	ENST00000413567	N/A	N/A	N/A
A_22_P00002454	1,55959	1,52871	1,021635102	ENST00000561964	N/A	N/A	N/A
A_22_P00008966	1,39642	1,36554	1,021635102	ENST00000563503	N/A	AF086140	N/A
A_22_P00008881	1,60755	1,57668	1,021628021	ENST00000562495	N/A	N/A	N/A
A_22_P00013649	1,61258	1,58172	1,021620939	ENST00000522354	N/A	N/A	N/A

A_33_P3413483	8,4503	8,41945	1,021613858	ENST00000267814	6652	AK090738	SORD
A_33_P3300147	1,65478	1,62393	1,021613858	ENST00000375941	401535	NM_001001709	C9orf170
A_33_P3234546	2,5897	2,55885	1,021613858	ENST00000390655	926	N/A	CD8B
A_22_P00006150	1,60675	1,5759	1,021613858	N/A	N/A	N/A	Inc-FAM192A-1
A_21_P0009610	1,61797	1,58712	1,021613858	N/A	N/A	N/A	Inc-WDR7-2
A_33_P3390172	1,72409	1,69326	1,021599695	ENST00000520193	27299	NM_001145271	ADAMDEC1
A_21_P0008259	1,51486	1,48403	1,021599695	N/A	N/A	N/A	Inc-AL355390.1-2
A_24_P203308	1,54959	1,51876	1,021599695	ENST00000275764	346673	NM_182489	STRA8
A_22_P00022717	1,69283	1,66203	1,021578452	ENST00000439198	N/A	BX093647	N/A
A_21_P0014105	1,52131	1,49051	1,021578452	N/A	101927206	XR_425550	LOC101927206
A_21_P0014062	1,51647	1,48567	1,021578452	ENST00000423879	N/A	XR_108315	N/A
A_22_P00009553	1,59097	1,56018	1,021571371	N/A	N/A	AK092342	Inc-MAP3K3-1
A_33_P3283038	1,62763	1,59684	1,021571371	N/A	100129427	NR_033845	DDC-AS1
A_21_P0007343	1,50388	1,4731	1,02156429	N/A	N/A	N/A	Inc-LRRC4C-4
A_21_P0008200	1,55103	1,52026	1,021557209	N/A	N/A	N/A	Inc-TGDS-1
A_23_P86301	1,52042	1,48966	1,021550128	ENST00000366942	7399	NM_007123	USH2A
A_33_P3421338	3,9351	3,90434	1,021550128	ENST00000590129	146909	NM_001265577	KIF18B
A_22_P00011258	1,63959	1,60883	1,021550128	ENST00000593792	N/A	N/A	N/A
A_33_P3349255	1,37762	1,34686	1,021550128	ENST00000438111	N/A	N/A	N/A
A_33_P3397599	1,46739	1,43663	1,021550128	ENST00000430421	79168	NR_104098	LILRA6
A_22_P00009845	1,41226	1,38151	1,021543047	N/A	N/A	N/A	Inc-METTL15-4
A_33_P3226780	1,53374	1,50299	1,021543047	ENST00000426107	N/A	N/A	N/A
A_23_P331049	1,53912	1,50838	1,021535967	ENST00000338492	10570	NM_006426	DPYSL4
A_21_P0014856	1,53928	1,50854	1,021535967	N/A	N/A	CR737597	N/A
A_33_P3464749	1,44266	1,41195	1,021514725	N/A	253044	NR_045123	LINGO1-AS1
A_21_P0003445	1,48145	1,45074	1,021514725	ENST00000511928	N/A	N/A	N/A
A_22_P00004402	1,48767	1,45696	1,021514725	ENST00000511418	N/A	N/A	N/A
A_33_P3419711	1,63093	1,60022	1,021514725	N/A	N/A	N/A	N/A
A_23_P57547	10,6179	10,5872	1,021507644	ENST00000491545	10478	NM_006358	SLC25A17
A_33_P3273679	1,38667	1,35597	1,021507644	N/A	9378	BC046631	NRXN1
A_33_P3255314	1,59459	1,56389	1,021507644	ENST00000562769	400533	NR_033985	FLJ26245
A_22_P00002359	1,55849	1,52779	1,021507644	ENST00000552251	N/A	XR_246028	N/A
A_22_P00009117	1,48293	1,45223	1,021507644	ENST00000568121	N/A	XR_110136	N/A

A_21_P0005989	1,39226	1,36157	1,021500564	ENST00000562922	N/A	N/A	N/A
A_21_P0006916	1,43607	1,40538	1,021500564	N/A	N/A	N/A	Inc-HABP2-1
A_22_P00006041	1,53666	1,50598	1,021493483	N/A	N/A	N/A	Inc-FAM120AOS-2
A_21_P0010930	1,60977	1,5791	1,021486403	ENST00000438372	282980	N/A	LINC00700
A_22_P00004165	1,71356	1,68289	1,021486403	N/A	N/A	N/A	Inc-CLEC3A-5
A_33_P3423440	7,32114	7,29047	1,021486403	ENST00000316491	124411	NM_001130913	ZNF720
A_22_P00019193	1,55559	1,52494	1,021472242	ENST00000496217	N/A	N/A	N/A
A_23_P11390	5,40156	5,37092	1,021465162	ENST00000250823	9084	NM_004679	VCY
A_22_P00005831	1,52879	1,49816	1,021458081	ENST00000472238	N/A	N/A	N/A
A_21_P0000521	1,57333	1,5427	1,021458081	N/A	100271832	N/A	LOC100271832
A_21_P0005194	1,61608	1,58546	1,021451001	ENST00000450977	101927378	N/A	LOC101927378
A_22_P00005224	1,44723	1,41661	1,021451001	ENST00000556475	79104	XR_424550	MEG8
A_23_P99442	1,6618	1,63119	1,021443921	ENST00000380987	2322	NM_004119	FLT3
A_22_P00023808	1,53402	1,50341	1,021443921	N/A	N/A	N/A	Inc-BBOX1-1
A_22_P00005849	6,67282	6,64221	1,021443921	ENST00000521718	N/A	XR_426282	N/A
A_21_P0004389	1,55743	1,52683	1,021436841	N/A	N/A	N/A	Inc-SLC38A9-2
A_23_P23829	1,67806	1,64746	1,021436841	ENST00000356522	947	NM_001773	CD34
A_21_P0011837	1,67992	1,64932	1,021436841	N/A	102725293	N/A	LOC102725293
A_23_P27306	1,67436	1,64376	1,021436841	ENST00000582147	81035	NM_130386	COLEC12
A_23_P95736	11,6296	11,599	1,021436841	ENST00000618549	353088	NM_001001415	ZNF429
A_33_P3245489	13,7483	13,7177	1,021436841	ENST00000395467	339366	NM_213604	ADAMTSL5
A_23_P153320	11,6712	11,6406	1,021436841	ENST00000264832	3383	NM_000201	ICAM1
A_33_P3214076	1,65799	1,6274	1,021429761	N/A	N/A	N/A	N/A
A_21_P0011989	1,5739	1,54331	1,021429761	N/A	N/A	N/A	XLOC_l2_008416
A_22_P00012554	1,61212	1,58153	1,021429761	ENST00000508437	N/A	N/A	N/A
A_24_P136029	1,62402	1,59344	1,021422681	ENST00000559723	6557	NM_000338	SLC12A1
A_22_P00022020	1,46852	1,43795	1,021415601	N/A	N/A	N/A	Inc-NTSR2-2
A_22_P00005286	1,5704	1,53983	1,021415601	N/A	101929425	XR_249980	LOC101929425
A_22_P00023732	1,60447	1,5739	1,021415601	N/A	101929272	XR_244976	LOC101929272
A_22_P00023882	1,45665	1,42609	1,021408521	N/A	101928140	NR_125849	LOC101928140
A_33_P3364801	1,74553	1,71498	1,021401441	N/A	N/A	XM_379325	N/A
A_23_P403488	1,53143	1,50089	1,021394362	ENST00000612291	338322	NM_176821	NLRP10
A_21_P0006512	1,62818	1,59765	1,021387282	N/A	N/A	N/A	Inc-UBE2A-1

A_22_P00016733	1,64277	1,61225	1,021380202	N/A	N/A	N/A	Inc-TRDMT1-2
A_21_P0011861	1,54265	1,51213	1,021380202	ENST00000595686	401014	N/A	TEX41
A_22_P00017810	1,55263	1,52212	1,021373122	ENST00000392197	27033	NM_014383	ZBTB32
A_22_P00001352	1,68645	1,65594	1,021373122	N/A	N/A	N/A	Inc-APO01496.1-11
A_21_P0008286	1,52241	1,4919	1,021373122	ENST00000421617	N/A	N/A	N/A
A_23_P45025	7,6804	7,6499	1,021366043	ENST00000395166	5602	NM_138980	MAPK10
A_21_P0010277	1,62082	1,59032	1,021366043	N/A	N/A	N/A	Inc-RUNX1-1
A_22_P00022071	1,65886	1,62837	1,021358963	N/A	100506675	NR_120526	LOC100506675
A_33_P3350828	8,68446	8,65397	1,021358963	ENST00000248070	58513	NM_021235	EPS15L1
A_22_P00002029	1,39977	1,36929	1,021351884	N/A	N/A	N/A	Inc-BFSP1-1
A_23_P435874	1,45682	1,42634	1,021351884	ENST00000332857	727830	NM_001083124	SPATA31A3
A_23_P336565	8,66842	8,63794	1,021351884	ENST00000413034	222234	NM_001145268	FAM185A
A_22_P00000972	1,36985	1,33937	1,021351884	ENST00000451328	N/A	N/A	N/A
A_22_P00016523	1,66893	1,63845	1,021351884	ENST00000550279	N/A	N/A	N/A
A_21_P0014937	1,55523	1,52475	1,021351884	N/A	101928656	NR_108092	LINC01099
A_22_P00001208	2,13332	2,10284	1,021351884	N/A	N/A	N/A	Inc-ANKRA2-4
A_23_P75663	1,47648	1,44601	1,021344804	ENST00000307033	219875	NM_001001965	OR4D5
A_22_P00009599	1,68755	1,65708	1,021344804	N/A	N/A	N/A	Inc-MAPK6-9
A_33_P3328782	1,4659	1,43544	1,021337725	ENST00000562624	26082	NR_026771	DKFZP434L187
A_22_P00013239	1,60367	1,57321	1,021337725	N/A	N/A	BG189013	Inc-ROBO3-1
A_22_P00004143	1,49505	1,4646	1,021330646	ENST00000451410	266919	N/A	LINC00307
A_22_P00013285	1,56335	1,5329	1,021330646	N/A	N/A	N/A	Inc-RP11-1085N6.3.1-1
A_33_P3226085	1,58178	1,55133	1,021330646	ENST00000390315	N/A	AF063703	N/A
A_33_P3392320	1,53794	1,50749	1,021330646	ENST00000450363	55117	NM_018057	SLC6A15
A_22_P00007884	1,57305	1,54261	1,021323566	ENST00000503666	N/A	N/A	N/A
A_33_P3451458	1,75188	1,72144	1,021323566	N/A	101926947	AA861243	NCRNA00249
A_22_P00011663	1,38288	1,35244	1,021323566	N/A	N/A	N/A	Inc-PDE5A-2
A_23_P342934	8,0759	8,04547	1,021316487	ENST00000317509	7090	NM_005078	TLE3
A_21_P0010233	1,63473	1,60431	1,021309408	N/A	N/A	N/A	Inc-C21orf63-2
A_23_P164068	1,53215	1,50173	1,021309408	ENST00000262442	1770	NM_001372	DNAH9
A_21_P0012083	1,52375	1,49333	1,021309408	ENST00000446595	103344932	NR_121185	PGM5P4-AS1
A_21_P0013091	1,55851	1,52809	1,021309408	N/A	N/A	N/A	XLOC_I2_013116
A_22_P00018795	2,22302	2,19261	1,021302329	N/A	N/A	N/A	Inc-MANSC4-1

A_21_P0009474	1,63695	1,60654	1,021302329	N/A	N/A	N/A	Inc-SETBP1-1
A_21_P0006418	1,55277	1,52236	1,021302329	ENST00000445233	N/A	N/A	N/A
A_33_P3233436	1,5483	1,51789	1,021302329	ENST00000598713	84968	NM_032882	PNMA6A
A_22_P00005025	1,5649	1,53449	1,021302329	N/A	N/A	N/A	Inc-DDX49-1
A_24_P488202	1,63448	1,60409	1,021288171	N/A	N/A	BX247957	Inc-ESR2-1
A_21_P0004178	1,44758	1,41719	1,021288171	ENST00000503145	N/A	N/A	N/A
A_33_P3345086	1,72051	1,69013	1,021281092	ENST00000239347	3444	NM_021057	IFNA7
A_22_P00009919	1,56543	1,53505	1,021281092	ENST00000539266	N/A	N/A	N/A
A_21_P0002253	3,55927	3,52889	1,021281092	ENST00000455121	101928113	NR_110569	ST3GAL5-AS1
A_21_P0008077	1,63397	1,6036	1,021274013	N/A	N/A	N/A	Inc-AL445989.1-18
A_22_P00001770	1,69117	1,6608	1,021274013	N/A	N/A	N/A	Inc-ATP1A1OS-1
A_21_P0006695	6,09195	6,06159	1,021266934	N/A	N/A	N/A	Inc-RPP30-6
A_22_P00013862	1,52371	1,49335	1,021266934	ENST00000560655	104472713	NR_126438	PCAT29
A_21_P0008759	5,2542	5,22385	1,021259855	ENST00000569819	79834	NM_024776	PEAK1
A_22_P00010678	1,54134	1,511	1,021252776	ENST00000449835	N/A	N/A	N/A
A_22_P00019565	1,63145	1,60113	1,021238619	ENST00000445932	N/A	N/A	N/A
A_23_P136116	1,63142	1,6011	1,021238619	ENST00000342526	392636	NM_001004320	AGMO
A_22_P00010989	1,53989	1,50958	1,02123154	N/A	N/A	N/A	Inc-NRSN1-2
A_33_P3420680	1,68884	1,65853	1,02123154	ENST00000314744	4762	NM_006161	NEUROG1
A_23_P90601	11,4715	11,4412	1,021224461	ENST00000393110	55240	NM_182915	STEAP3
A_22_P00020376	1,44934	1,41904	1,021224461	ENST00000527054	N/A	BU561024	N/A
A_33_P3379816	1,54487	1,51457	1,021224461	ENST00000419482	150572	NM_198274	SMYD1
A_22_P00003976	1,54079	1,5105	1,021217383	ENST00000373384	N/A	N/A	N/A
A_21_P0009021	1,49514	1,46485	1,021217383	N/A	N/A	N/A	Inc-TP53TG3-7
A_24_P370156	9,22256	9,19227	1,021217383	ENST00000466794	4125	NM_000528	MAN2B1
A_21_P0000871	1,52876	1,49849	1,021203226	ENST00000518035	100505659	NR_039979	LINC00967
A_22_P00000592	1,5058	1,47554	1,021196147	N/A	N/A	N/A	Inc-ACACB-1
A_33_P3246703	1,4477	1,41744	1,021196147	ENST00000588550	N/A	AK095132	N/A
A_33_P3320648	1,40331	1,37306	1,021189069	N/A	N/A	DA581137	N/A
A_32_P235159	9,40496	9,37472	1,021181991	ENST00000438684	151507	NR_024322	MSL3P1
A_22_P00009521	1,46986	1,43962	1,021181991	ENST00000452624	N/A	N/A	N/A
A_23_P259003	1,51359	1,48335	1,021181991	ENST00000467460	51555	NM_016559	PEX5L
A_32_P210872	1,62876	1,59852	1,021181991	ENST00000408930	641654	NM_001037558	HEPN1



A_21_P0008893	1,4936	1,46337	1,021174912	ENST00000501068	N/A	N/A	N/A
A_22_P00019377	1,53358	1,50335	1,021174912	N/A	N/A	AL832764	Inc-TRIM32-1
A_23_P93524	1,58596	1,55573	1,021174912	ENST00000437477	154075	NM_001017373	SAMD3
A_22_P00016192	1,49401	1,4638	1,021160756	ENST00000561701	102724938	XR_424618	LOC102724938
A_33_P3257367	10,2565	10,2263	1,021153678	ENST00000358465	51592	NM_015906	TRIM33
A_21_P0004588	1,5215	1,4913	1,021153678	N/A	N/A	N/A	Inc-ZFP62-1
A_21_P0011342	1,52276	1,49256	1,021153678	N/A	N/A	N/A	XLOC_I2_004817
A_22_P00017771	1,5575	1,52734	1,021125366	ENST00000474667	N/A	N/A	N/A
A_23_P411353	1,37014	1,33999	1,021118288	ENST00000321110	203430	NM_152694	ZCCHC5
A_21_P0006217	1,65902	1,62888	1,021111121	N/A	N/A	N/A	Inc-TLR4-3
A_33_P3362562	6,85767	6,82753	1,021111121	ENST00000577881	6198	NM_001272043	RPS6KB1
A_21_P0014450	1,39755	1,36742	1,021104132	ENST00000624770	100188917	XR_250562	ESP33
A_22_P00010490	1,50909	1,47897	1,021097055	ENST00000552736	N/A	N/A	N/A
A_22_P00013347	1,55675	1,52663	1,021097055	ENST00000520431	N/A	N/A	N/A
A_24_P508103	1,42956	1,39944	1,021097055	ENST00000424873	440905	NR_026758	FAR2P1
A_21_P0005595	1,71746	1,68734	1,021097055	N/A	N/A	N/A	Inc-AC091801.1.1-5
A_21_P0006839	1,51364	1,48353	1,021089977	N/A	N/A	N/A	Inc-PLXDC2-1
A_22_P00022626	1,59212	1,56205	1,021061667	N/A	N/A	BX104849	Inc-STAR4-2
A_21_P0006099	1,45039	1,42032	1,021061667	ENST00000446206	N/A	N/A	N/A
A_21_P0002275	1,62055	1,59048	1,021061667	N/A	N/A	N/A	Inc-INSIG2-1
A_22_P00003696	1,60129	1,57123	1,021054589	ENST00000565901	N/A	DN604327	N/A
A_21_P0004769	1,7454	1,71534	1,021054589	N/A	N/A	N/A	Inc-ATG5-1
A_22_P00004388	1,45794	1,42788	1,021054589	ENST00000462011	N/A	AK093118	N/A
A_33_P3245110	1,4731	1,44304	1,021054589	ENST00000518264	N/A	N/A	N/A
A_19_P00320440	6,30984	6,27979	1,021047512	ENST00000586248	148189	N/A	LINC00662
A_33_P3296119	1,40789	1,37785	1,021040435	ENST00000486683	728591	NM_001198908	CCDC169
A_23_P327499	1,59499	1,56495	1,021040435	ENST00000371968	340596	NM_178175	LHFPL1
A_21_P0003192	1,56809	1,53805	1,021040435	N/A	N/A	N/A	Inc-MRPL47-1
A_22_P00025355	1,62755	1,59751	1,021040435	N/A	N/A	N/A	Inc-RHD-1
A_21_P0012622	1,68868	1,65864	1,021040435	ENST00000509370	N/A	N/A	N/A
A_23_P19852	9,50825	9,47822	1,021033357	ENST00000623361	23288	NM_152558	IQCE
A_21_P0012852	1,53942	1,50939	1,021033357	N/A	N/A	N/A	XLOC_I2_011798
A_22_P00016283	1,44796	1,41793	1,021033357	N/A	N/A	N/A	Inc-TMEM126B-2

A_21_P0009571	1,53729	1,50726	1,021033357	ENST00000580323	102724913	N/A	LOC102724913
A_33_P3314559	1,50137	1,47135	1,02102628	ENST00000282878	115827	NM_138453	RAB3C
A_21_P0014679	1,63314	1,60312	1,02102628	N/A	100507099	NR_103839	FRY-AS1
A_21_P0010345	1,74686	1,71685	1,021019203	N/A	N/A	N/A	Inc-RGL4-2
A_23_P4254	1,50399	1,47398	1,021019203	ENST00000225387	1411	NM_005208	CRYBA1
A_21_P0011720	1,47909	1,44908	1,021019203	N/A	N/A	N/A	XLOC_I2_006905
A_21_P0005274	1,53603	1,50602	1,021019203	N/A	N/A	N/A	Inc-AC006372.1-1
A_22_P00010044	1,37482	1,34481	1,021019203	N/A	N/A	N/A	Inc-MNX1-2
A_22_P00016954	5,44314	5,41313	1,021019203	N/A	N/A	N/A	Inc-TSPYL6-2
A_22_P00009723	1,59184	1,56183	1,021019203	ENST00000560391	N/A	N/A	N/A
A_33_P3286157	4,22784	4,19783	1,021019203	ENST00000497869	7293	NM_003327	TNFRSF4
A_22_P00003631	1,56169	1,53169	1,021012126	ENST00000536495	N/A	N/A	N/A
A_24_P187774	1,54867	1,51867	1,021012126	ENST00000374461	79987	BC030816	SVEP1
A_21_P0000102	15,84	15,81	1,021012126	ENST00000604882	100462981	NM_001190470	MTRNR2L2
A_24_P402855	1,46592	1,43593	1,021005049	ENST00000514338	58503	NM_021225	PROL1
A_21_P0009072	1,50698	1,47699	1,021005049	N/A	N/A	N/A	Inc-CDYL2-4
A_22_P00021398	1,46429	1,43431	1,020997972	N/A	N/A	N/A	Inc-RP11-380D23.1.1-1
A_33_P3381963	1,50339	1,47341	1,020997972	N/A	N/A	AF130108	N/A
A_23_P58489	9,03732	9,00735	1,020990895	ENST00000507036	79072	NM_024091	FASTKD3
A_22_P00000327	1,48274	1,45278	1,020983818	N/A	N/A	N/A	Inc-AC012123.1.1-1
A_22_P00006338	1,62388	1,59393	1,020976741	N/A	N/A	N/A	Inc-FANCI-3
A_22_P00018022	8,44736	8,41741	1,020976741	ENST00000577324	7756	NM_001032293	ZNF207
A_33_P3234764	4,1328	4,10285	1,020976741	N/A	N/A	AK130920	N/A
A_22_P00024827	1,66134	1,6314	1,020969664	ENST00000447256	100873976	NR_046555	CNTN4-AS2
A_22_P00011847	1,58994	1,56001	1,020962587	N/A	N/A	AA062935	Inc-PHOX2A-1
A_33_P3242064	1,49878	1,46885	1,020962587	ENST00000312298	282775	NM_001005492	OR5J2
A_22_P00021302	1,46382	1,4339	1,02095551	ENST00000430064	N/A	N/A	N/A
A_22_P00011974	1,52026	1,49034	1,02095551	ENST00000569873	N/A	BC043219	N/A
A_33_P3209135	1,59602	1,5661	1,02095551	N/A	N/A	N/A	N/A
A_23_P151294	1,53581	1,5059	1,020948434	ENST00000229135	3458	NM_000619	IFNG
A_19_P00325604	5,56144	5,53154	1,020941357	ENST00000553704	100885779	NR_048536	LINC-ROR
A_33_P3342420	1,48625	1,45635	1,020941357	N/A	N/A	N/A	N/A
A_21_P0006317	1,44801	1,41812	1,02093428	N/A	N/A	N/A	Inc-DBC1-1

A_21_P0007698	1,52671	1,49683	1,020927204	N/A	N/A	N/A	Inc-H3F3C-1
A_21_P0002480	1,42465	1,39477	1,020927204	N/A	N/A	N/A	Inc-TGFBRAP1-11
A_23_P365149	9,7499	9,72003	1,020920127	ENST00000567530	10295	NM_005881	BCKDK
A_22_P00010738	1,63014	1,60027	1,020920127	ENST00000541881	N/A	N/A	N/A
A_33_P3338873	1,69995	1,67009	1,020913051	N/A	N/A	N/A	N/A
A_33_P3274084	1,41795	1,38809	1,020913051	ENST00000269051	162494	NM_138328	RHBDL3
A_24_P361408	1,67968	1,64982	1,020913051	ENST00000376681	284076	NM_173623	TTLL6
A_21_P0005425	1,38832	1,35849	1,020891822	N/A	N/A	N/A	Inc-ARF5-5
A_22_P00009798	1,64001	1,61018	1,020891822	ENST00000433396	100507073	NR_110156	LOC100507073
A_21_P0007180	1,37894	1,34911	1,020891822	ENST00000532242	102724957	NM_001293172	LOC102724957
A_23_P423462	1,51177	1,48195	1,020884746	ENST00000323355	221241	NR_027245	LINC00305
A_22_P00010009	1,63079	1,60097	1,020884746	ENST00000462531	101928190	NR_125399	LINC01487
A_22_P00006185	1,36965	1,33983	1,020884746	N/A	N/A	AK126996	Inc-FAM211A-2
A_22_P00004409	1,55274	1,52292	1,020884746	ENST00000565815	N/A	BC034981	N/A
A_22_P00023303	1,58893	1,55913	1,020870593	ENST00000529314	N/A	BC040333	N/A
A_33_P3885084	1,54243	1,51263	1,020870593	N/A	147004	XR_243792	LOC147004
A_22_P00016453	1,47946	1,44966	1,020870593	ENST00000521975	N/A	XR_426341	N/A
A_23_P63219	10,3812	10,3514	1,020870593	ENST00000368863	23126	NM_015100	POGZ
A_21_P0003507	1,55334	1,52355	1,020863517	ENST00000511916	N/A	N/A	N/A
A_21_P0012797	1,41626	1,38648	1,020856441	ENST00000514600	641365	N/A	LINC00616
A_22_P00021857	1,49128	1,4615	1,020856441	N/A	N/A	N/A	Inc-GRAMD2-1
A_33_P3322460	3,44098	3,4112	1,020856441	N/A	N/A	N/A	N/A
A_33_P3351150	1,53213	1,50236	1,020849365	ENST00000383408	63895	NM_022068	PIEZO2
A_23_P317760	1,65322	1,62345	1,020849365	ENST00000380188	222826	NM_173563	FAM217A
A_21_P0011202	1,49636	1,46659	1,020849365	ENST00000431656	N/A	N/A	N/A
A_19_P00807046	8,06223	8,03246	1,020849365	N/A	N/A	N/A	Inc-ST3GAL1-1
A_23_P126582	1,73618	1,70642	1,020842289	ENST00000261448	845	NM_001232	CASQ2
A_33_P3412300	1,64644	1,61668	1,020842289	N/A	N/A	N/A	Inc-HJURP-1
A_32_P84373	1,52136	1,4916	1,020842289	ENST00000620373	202134	NM_001265615	FAM153B
A_21_P0006513	1,45135	1,42161	1,020828137	N/A	N/A	N/A	Inc-AKAP14-1
A_22_P00006266	1,44857	1,41883	1,020828137	ENST00000449453	N/A	N/A	N/A
A_23_P340188	5,41427	5,38455	1,020813986	ENST00000370785	159091	NM_138819	FAM122C
A_22_P00007423	1,55945	1,52974	1,02080691	N/A	N/A	N/A	Inc-GRXCR1-5

A_22_P00015368	1,51613	1,48642	1,02080691	ENST00000497285	N/A	N/A	N/A
A_33_P3424257	14,6652	14,6355	1,020799834	ENST00000616174	80218	NM_025146	NAA50
A_22_P00011728	1,6159	1,58621	1,020792759	ENST00000424119	N/A	N/A	N/A
A_21_P0009032	1,62837	1,59869	1,020785683	ENST00000563844	643714	N/A	CASC16
A_21_P0005591	1,63247	1,60279	1,020785683	N/A	N/A	N/A	Inc-WDR60-5
A_24_P252794	8,6496	8,61993	1,020778608	ENST00000537177	8453	NM_003591	CUL2
A_21_P0012159	1,50799	1,47832	1,020778608	ENST00000422352	100507629	NR_038239	LINC00658
A_21_P0013829	1,49905	1,46939	1,020771532	N/A	N/A	N/A	XLOC_I2_015804
A_22_P00003653	1,45342	1,42377	1,020764457	N/A	N/A	N/A	Inc-CD93-3
A_33_P3376419	1,62057	1,59093	1,020757381	N/A	N/A	N/A	Inc-ST6GALNAC5-1
A_33_P3289960	1,58255	1,55291	1,020757381	ENST00000368974	387111	NR_033376	LINC00222
A_22_P00019535	1,60442	1,57479	1,020750306	N/A	100129175	NR_046086	LOC100129175
A_22_P00000241	1,66389	1,63427	1,020743231	ENST00000579378	N/A	N/A	N/A
A_21_P0005078	3,82451	3,79489	1,020743231	N/A	N/A	N/A	Inc-SOD2-2
A_22_P00023736	1,44171	1,4121	1,020736155	N/A	101928333	NR_110194	LOC101928333
A_21_P0014885	7,67921	7,64961	1,02072908	N/A	100506257	AK295076	LOC100506257
A_33_P3423854	1,37765	1,34805	1,02072908	ENST00000543257	732	NM_001278543	C8B
A_33_P3680462	1,44531	1,41571	1,02072908	N/A	339539	N/A	LOC339539
A_23_P362637	10,5321	10,5025	1,02072908	ENST00000372899	23304	NM_015255	UBR2
A_21_P0009081	1,46316	1,43356	1,02072908	N/A	N/A	N/A	Inc-AC092327.1-4
A_21_P0002152	1,65491	1,62531	1,02072908	N/A	N/A	N/A	Inc-ACP1-3
A_21_P0009418	1,38437	1,35478	1,020722005	N/A	N/A	N/A	Inc-SRSF2-1
A_24_P646172	1,62128	1,59169	1,020722005	ENST00000565959	N/A	AL109783	N/A
A_21_P0011977	1,64243	1,61285	1,02071493	N/A	N/A	N/A	XLOC_I2_008343
A_24_P931964	1,51899	1,48943	1,02070078	N/A	100128816	AY358109	LOC100128816
A_24_P181295	1,52166	1,4921	1,02070078	ENST00000334342	145407	NM_001001872	C14orf37
A_33_P3416398	1,42339	1,39383	1,02070078	N/A	100129894	AK094373	LOC100129894
A_24_P69053	1,6662	1,63664	1,02070078	ENST00000511685	55714	NM_001080477	TENM3
A_21_P0004505	1,58212	1,55259	1,020679555	N/A	N/A	N/A	Inc-C5orf64-1
A_21_P0004544	1,58292	1,55339	1,020679555	N/A	N/A	N/A	Inc-FAM153C-2
A_21_P0000582	1,68267	1,65316	1,020665406	ENST00000590889	100134317	NR_029389	LOC100134317
A_22_P00019688	1,5107	1,48119	1,020665406	ENST00000581541	N/A	N/A	N/A
A_22_P00023902	1,58099	1,55149	1,020658331	N/A	N/A	BC029842	Inc-SLC14A2-1

A_19_P00322188	1,68657	1,65709	1,020644182	ENST00000520929	100507651	NR_038235	LOC100507651
A_21_P0008554	1,4876	1,45812	1,020644182	ENST00000558081	101928227	XR_424596	LOC101928227
A_21_P0013097	1,62956	1,60008	1,020644182	N/A	N/A	N/A	XLOC_I2_013125
A_32_P138628	1,54834	1,51887	1,020637107	N/A	284933	NR_038917	LOC284933
A_22_P00017332	1,37195	1,34248	1,020637107	ENST00000527440	N/A	N/A	N/A
A_21_P0000009	1,48457	1,45511	1,020630033	ENST00000539523	160492	NM_001145729	LMNTD1
A_21_P0005500	1,50384	1,47438	1,020630033	N/A	N/A	N/A	Inc-SBDS-1
A_22_P00016312	1,59195	1,56249	1,020630033	ENST00000567788	100190940	NR_024457	LOC100190940
A_22_P00008775	1,4826	1,45314	1,020630033	N/A	N/A	N/A	Inc-KIF20B-3
A_21_P0003744	1,57812	1,54867	1,020622958	N/A	N/A	N/A	Inc-TECRL-3
A_22_P00013229	1,6138	1,58438	1,020601735	N/A	N/A	N/A	Inc-ROBO1-2
A_33_P3230995	1,5447	1,51528	1,020601735	N/A	100996348	NR_121630	LOC100996348
A_21_P0006993	1,38086	1,35144	1,020601735	N/A	N/A	N/A	Inc-GDF10-3
A_33_P3371247	1,39383	1,36442	1,020594661	ENST00000529936	N/A	N/A	N/A
A_33_P3231447	11,8389	11,8095	1,020587587	ENST00000409532	3655	NM_000210	ITGA6
A_23_P114349	1,38114	1,35174	1,020587587	ENST00000346279	170626	NM_130776	XAGE3
A_21_P0010016	1,52659	1,49719	1,020587587	ENST00000564492	140828	NR_001558	LINC00261
A_23_P82693	17,0921	17,0627	1,020587587	ENST00000523636	26986	NM_002568	PABPC1
A_21_P0006436	1,52637	1,49698	1,020580513	ENST00000424539	N/A	N/A	N/A
A_23_P165201	1,54196	1,51257	1,020580513	ENST00000587695	58510	NM_021232	PRODH2
A_24_P96897	1,57182	1,54243	1,020580513	ENST00000369547	148281	NM_205848	SYT6
A_33_P3332180	1,67148	1,6421	1,020573439	ENST00000584701	5949	NM_002900	RBP3
A_33_P3276868	1,65887	1,62949	1,020573439	N/A	N/A	N/A	N/A
A_23_P386364	1,47985	1,45048	1,020566365	ENST00000373177	139324	NM_144657	HDX
A_24_P314583	1,56414	1,53477	1,020566365	ENST00000367207	284573	NR_027902	LINC00303
A_24_P248185	1,51656	1,48721	1,020552217	ENST00000534837	196500	NM_153685	PIANP
A_33_P3226665	5,37652	5,34717	1,020552217	ENST00000601958	79744	NM_001291745	ZNF419
A_21_P0012317	1,68351	1,65419	1,020530995	ENST00000416615	642633	NR_108107	FAM230B
A_24_P6449	1,60466	1,57534	1,020530995	ENST00000487910	344658	HQ258252	SAMD7
A_23_P65629	1,4557	1,42639	1,020523921	ENST00000319231	54207	NM_021161	KCNK10
A_21_P0000822	1,6154	1,58609	1,020523921	N/A	286189	NR_038877	LOC286189
A_22_P00024056	1,43316	1,40385	1,020523921	ENST00000512628	N/A	N/A	N/A
A_23_P151179	8,33884	8,30953	1,020523921	ENST00000445832	64897	NM_022895	C12orf43

A_24_P393740	10,3772	10,3479	1,020516848	ENST00000351578	2533	NM_001465	FYB
A_21_P0004967	1,56834	1,53904	1,020516848	N/A	N/A	N/A	Inc-QKI-2
A_22_P00009624	1,61011	1,58081	1,020516848	N/A	N/A	N/A	Inc-MARCKS-3
A_22_P00024963	1,44909	1,41979	1,020516848	N/A	101928809	NR_125906	LOC101928809
A_21_P0009982	1,59551	1,56621	1,020516848	ENST00000458293	N/A	N/A	N/A
A_22_P00002015	1,78001	1,75072	1,020509774	N/A	N/A	AJ011602	Inc-BDNF-2
A_21_P0008313	1,65724	1,62795	1,020509774	N/A	N/A	N/A	Inc-C14orf23-4
A_22_P00009335	1,55051	1,52122	1,020509774	ENST00000457239	N/A	N/A	N/A
A_22_P00012691	1,54022	1,51093	1,020509774	ENST00000575236	N/A	N/A	N/A
A_23_P368805	1,55756	1,52827	1,020509774	ENST00000619531	11148	NM_007072	HHLA2
A_22_P00023500	6,23793	6,20866	1,020495627	ENST00000548010	101927324	NR_120618	LINC01475
A_22_P00014488	1,52887	1,49961	1,020488553	N/A	101928414	XR_424636	LOC101928414
A_22_P00002309	1,41056	1,38131	1,02048148	N/A	N/A	N/A	Inc-C11orf36-1
A_33_P3403169	1,66178	1,63253	1,02048148	N/A	N/A	N/A	N/A
A_33_P3629585	1,51381	1,48457	1,020474406	N/A	677830	BF356984	SNORA76A
A_21_P0008566	1,45134	1,4221	1,020474406	ENST00000451579	N/A	N/A	N/A
A_23_P24948	1,61352	1,58429	1,020467333	ENST00000310128	10008	NM_005472	KCNE3
A_22_P00015381	1,72308	1,69387	1,020453187	ENST00000507628	255167	NR_024423	LINC01018
A_22_P00012166	1,74723	1,71802	1,020453187	ENST00000500487	102723461	XR_430579	LOC102723461
A_22_P00021597	1,50419	1,47498	1,020453187	ENST00000583161	N/A	N/A	N/A
A_22_P00002249	1,62965	1,60045	1,020446113	ENST00000531977	399821	N/A	FLJ37035
A_22_P00007407	1,40284	1,37364	1,020446113	ENST00000606195	N/A	N/A	N/A
A_23_P34597	10,863	10,8338	1,020446113	ENST00000461985	978	NM_001785	CDA
A_23_P109964	1,71215	1,68296	1,02043904	ENST00000261058	84692	NM_032600	CCDC54
A_22_P00002140	1,46314	1,43395	1,02043904	ENST00000420169	317716	NR_026760	BPIFA4P
A_21_P0003990	1,50704	1,47785	1,02043904	ENST00000511734	N/A	N/A	N/A
A_23_P161968	4,00354	3,97435	1,02043904	ENST00000332793	387775	NM_001039752	SLC22A10
A_32_P113114	8,39182	8,36264	1,020431967	ENST00000302851	93134	NM_152289	ZNF561
A_21_P0003081	1,55373	1,52457	1,020417821	N/A	102724877	XR_425636	LOC102724877
A_21_P0004072	5,59877	5,56961	1,020417821	ENST00000507391	N/A	N/A	N/A
A_21_P0000840	5,825	5,79584	1,020417821	N/A	100506649	NR_038924	PXN-AS1
A_21_P0007610	1,42693	1,39777	1,020417821	N/A	N/A	N/A	Inc-RP11-511B23.3.1-1
A_22_P00020802	1,58935	1,56019	1,020417821	ENST00000541258	101927694	NR_104648	LOC101927694

A_23_P4443	1,53551	1,50636	1,020410748	ENST00000240335	9496	NM_018488	TBX4
A_33_P3346972	1,49757	1,46843	1,020403675	ENST00000390371	N/A	X57606	N/A
A_21_P0010615	1,72073	1,69159	1,020403675	ENST00000431943	N/A	N/A	N/A
A_22_P00016380	1,62746	1,59832	1,020403675	ENST00000435291	N/A	N/A	N/A
A_23_P164897	1,52227	1,49315	1,020389529	ENST00000221444	3743	NM_031886	KCNA7
A_21_P0013390	1,37214	1,34303	1,020382457	ENST00000444032	N/A	N/A	N/A
A_21_P0012802	1,54561	1,51652	1,020368311	ENST00000513106	152586	N/A	MGAT4D
A_22_P00007850	1,4973	1,46822	1,020361239	N/A	N/A	N/A	Inc-HRH4-3
A_33_P3290610	1,49836	1,46928	1,020361239	N/A	N/A	N/A	N/A
A_33_P3244317	8,25264	8,22357	1,020354166	ENST00000261758	23184	NM_015154	MESDC2
A_21_P0001342	1,48993	1,46087	1,020347093	N/A	N/A	N/A	Inc-ABCD3-2
A_21_P0009549	1,64199	1,61293	1,020347093	N/A	N/A	N/A	Inc-CELF4-5
A_23_P144394	1,59366	1,5646	1,020347093	ENST00000353151	1447	NM_001891	CSN2
A_21_P0007408	1,5402	1,51115	1,020340021	N/A	N/A	N/A	Inc-HYOU1-1
A_22_P00018912	1,50139	1,47234	1,020340021	ENST00000518330	101927908	XR_245289	LOC101927908
A_22_P00002230	8,33243	8,30339	1,020332948	N/A	101928781	NR_120643	TMEM26-AS1
A_21_P0009207	1,62328	1,59424	1,020332948	N/A	N/A	N/A	Inc-C17orf97-8
A_33_P3368991	1,72586	1,69682	1,020332948	ENST00000336559	4359	NM_000530	MPZ
A_21_P0012256	1,50264	1,47361	1,020325876	ENST00000512987	N/A	N/A	N/A
A_23_P427747	1,64468	1,61566	1,020318804	ENST00000536235	130951	NM_138804	M1AP
A_23_P327551	1,48736	1,45834	1,020318804	ENST00000512332	131034	NM_130808	CPNE4
A_21_P0002598	1,6226	1,59359	1,020311731	N/A	N/A	N/A	Inc-ETAA1-4
A_19_P00319752	1,53736	1,50836	1,020304659	ENST00000512458	N/A	N/A	N/A
A_33_P3266390	1,4562	1,4272	1,020304659	ENST00000338602	9154	NM_201651	SLC28A1
A_22_P00020076	1,65738	1,6284	1,020290515	N/A	N/A	DB081831	Inc-INO80D-2
A_32_P125338	1,51361	1,48463	1,020290515	ENST00000332947	163933	NM_207334	FAM43B
A_33_P3329038	1,40738	1,3784	1,020290515	N/A	N/A	N/A	N/A
A_21_P0006822	1,41822	1,38927	1,020269299	N/A	N/A	N/A	Inc-AL137145.1-1
A_33_P3396776	1,48138	1,45243	1,020269299	ENST00000379007	154907	NM_001024607	C7orf66
A_33_P3320817	1,65678	1,62784	1,020262227	ENST00000371763	360203	NM_182974	GLT6D1
A_21_P0007861	1,74494	1,716	1,020262227	ENST00000542804	N/A	N/A	N/A
A_21_P0009853	1,60774	1,57881	1,020255155	ENST00000457853	284751	N/A	LINC01270
A_24_P136182	17,1026	17,0737	1,02023394	ENST00000423464	256355	NR_026676	RPS2P32

A_22_P00002456	1,6057	1,57681	1,020226868	ENST00000555864	N/A	N/A	N/A
A_33_P3358815	1,4845	1,45562	1,020219796	ENST00000613448	414325	NM_001081551	DEFB103A
A_23_P307563	1,67252	1,64365	1,020212725	ENST00000360013	8997	NM_001024660	KALRN
A_21_P0001259	2,84444	2,81557	1,020212725	N/A	N/A	N/A	Inc-AJAP1-1
A_22_P00016358	1,63026	1,60139	1,020212725	N/A	100128590	NR_038441	SLC8A1-AS1
A_22_P00010312	1,87596	1,8471	1,020205653	N/A	N/A	N/A	Inc-MUC20-2
A_22_P00004490	1,44953	1,42068	1,020198582	ENST00000549364	N/A	N/A	N/A
A_21_P0001440	1,44982	1,421	1,020177367	N/A	N/A	N/A	Inc-NTPCR-1
A_21_P0010963	1,4571	1,42828	1,020177367	N/A	N/A	N/A	XLOC_I2_002207
A_22_P00013970	1,50878	1,47996	1,020177367	ENST00000556936	729665	NM_001164399	CCDC175
A_21_P0010940	1,60927	1,58045	1,020177367	ENST00000452667	150159	NM_001100874	SLC9B1
A_21_P0006257	1,53734	1,50853	1,020170296	N/A	N/A	N/A	Inc-FAM154A-1
A_23_P36795	1,62447	1,59566	1,020170296	ENST00000393240	6857	NM_005639	SYT1
A_23_P19650	1,43909	1,41028	1,020170296	ENST00000431366	7432	NM_003381	VIP
A_22_P00008705	1,61322	1,58441	1,020170296	N/A	N/A	BX100322	Inc-KIAA1267-1
A_33_P3234580	13,548	13,5192	1,020163225	ENST00000372394	445	NM_000050	ASS1
A_22_P00022286	1,61682	1,58802	1,020163225	N/A	N/A	N/A	Inc-SCPEP1-2
A_33_P3363799	1,52085	1,49205	1,020163225	ENST00000615285	4684	NM_001242607	NCAM1
A_23_P258002	8,71269	8,68389	1,020163225	ENST00000504169	55602	NM_017632	CDKN2AIP
A_22_P00018968	11,3006	11,2718	1,020163225	N/A	N/A	AK129594	Inc-TMEM106C-2
A_24_P250227	8,87821	8,84941	1,020163225	ENST00000246672	9572	NM_021724	NR1D1
A_21_P0005201	1,56073	1,53194	1,020156154	ENST00000470677	101928211	NR_110180	LOC101928211
A_33_P3362937	1,59223	1,56344	1,020156154	N/A	N/A	N/A	N/A
A_22_P00011459	1,50607	1,47728	1,020156154	N/A	100128505	NR_033973	ASTN2-AS1
A_21_P0005742	1,55442	1,52563	1,020156154	N/A	N/A	N/A	Inc-SPAG1-3
A_21_P0011788	1,64804	1,61927	1,020142011	N/A	N/A	N/A	XLOC_I2_007167
A_21_P0005001	1,38971	1,36094	1,020142011	N/A	N/A	N/A	Inc-CCDC90A-3
A_33_P3331172	1,45884	1,43007	1,020142011	ENST00000390628	N/A	EF407827	N/A
A_21_P0003166	1,6749	1,64614	1,02013494	N/A	N/A	N/A	Inc-KLF15-2
A_21_P0012829	1,46743	1,43868	1,020127869	N/A	N/A	N/A	XLOC_I2_011603
A_21_P0006251	1,65857	1,62983	1,020120798	N/A	N/A	N/A	Inc-C9orf123-1
A_33_P3281730	1,55829	1,52955	1,020120798	ENST00000485309	11328	BC127737	FKBP9
A_23_P63681	9,60339	9,57465	1,020120798	ENST00000496903	3416	NM_004969	IDE



A_33_P3723448	1,82875	1,80002	1,020113727	ENST00000395688	419	NM_001130017	ART3
A_21_P0004320	1,60106	1,57235	1,020099586	ENST00000522704	N/A	N/A	N/A
A_33_P3236517	1,54503	1,51633	1,020092515	ENST00000419302	132954	NM_152401	PDCL2
A_21_P0007208	1,37954	1,35085	1,020085444	ENST00000532307	100507384	NR_047569	LOC100507384
A_33_P3340180	6,20326	6,17459	1,020071303	ENST00000488768	9677	NM_001190214	PIIP5K1
A_21_P0002492	7,71101	7,68235	1,020064232	ENST00000457336	400999	XM_005275926	FLJ42351
A_33_P3230369	1,62286	1,5942	1,020064232	N/A	N/A	N/A	N/A
A_21_P0003856	1,45638	1,42773	1,020057162	N/A	N/A	N/A	Inc-CPE-1
A_21_P0011555	1,50185	1,4732	1,020057162	N/A	N/A	N/A	XLOC_I2_005892
A_22_P00011248	1,48943	1,46079	1,020050091	N/A	N/A	BI830485	Inc-OR1Q1-1
A_21_P0014507	1,37003	1,3414	1,020043021	N/A	N/A	N/A	N/A
A_22_P00001498	1,53251	1,50388	1,020043021	N/A	N/A	N/A	Inc-ARHGAP10-3
A_23_P27528	1,49628	1,46767	1,02002888	ENST00000598264	1549	NM_000764	CYP2A7
A_22_P00015388	4,98492	4,95632	1,02002181	N/A	N/A	AK128398	Inc-SRGAP3-1
A_23_P389907	11,7769	11,7483	1,02002181	ENST00000482777	6311	NM_002973	ATXN2
A_24_P32766	14,5597	14,5311	1,02002181	N/A	N/A	N/A	N/A
A_21_P0008351	1,54855	1,51996	1,02001474	N/A	N/A	N/A	Inc-FUT8-2
A_33_P3329108	1,4993	1,47071	1,02001474	ENST00000380172	4507	NM_002451	MTAP
A_22_P00024708	1,69837	1,66978	1,02001474	N/A	N/A	DB536005	Inc-SRD5A3-2
A_21_P0014515	1,51035	1,48178	1,020000599	N/A	101928461	NR_125858	LOC101928461
A_23_P57910	1,44215	1,41358	1,020000599	ENST00000296142	83597	NM_031440	RTP3
A_33_P3221040	1,68327	1,65471	1,019993529	N/A	N/A	N/A	N/A
A_21_P0007621	1,62531	1,59676	1,019986459	N/A	N/A	N/A	Inc-TXNRD1-3
A_21_P0007291	1,52863	1,50008	1,019986459	N/A	N/A	N/A	Inc-GRAMD1B-2
A_22_P00021976	1,40293	1,37438	1,019986459	N/A	N/A	N/A	Inc-TIMP3-4
A_22_P00000840	1,45535	1,4268	1,019986459	ENST00000560153	145978	N/A	LINC00052
A_33_P3329028	1,42569	1,39715	1,019979389	ENST00000584929	340811	NR_027916	AKR1C8P
A_33_P3249329	1,67523	1,64669	1,019979389	N/A	729020	NM_001143909	RPEL1
A_33_P3485440	1,65174	1,6232	1,019979389	ENST00000533625	319089	BC038110	TTC6
A_22_P00011430	1,6366	1,60806	1,019979389	ENST00000527684	N/A	BX098198	N/A
A_23_P55270	1,40529	1,37676	1,019972319	ENST00000614828	6362	NM_002988	CCL18
A_19_P00802297	1,49973	1,47121	1,019965249	ENST00000462531	101928190	NR_125399	LINC01487
A_21_P0010631	1,5745	1,54598	1,019965249	N/A	N/A	N/A	XLOC_I2_000986

A_33_P3279969	1,6292	1,60068	1,019965249	ENST00000378539	91584	NM_181775	PLXNA4
A_23_P18152	1,36877	1,34026	1,01995818	ENST00000467702	491	NM_001001331	ATP2B2
A_33_P3373771	1,52536	1,49687	1,01994404	N/A	N/A	N/A	Inc-FCGR3B-2
A_22_P00011979	1,44925	1,42076	1,01994404	ENST00000438738	N/A	BI827742	N/A
A_22_P00018366	4,21652	4,18803	1,01994404	N/A	N/A	C04987	Inc-ZWINT-5
A_21_P0003207	1,50898	1,4805	1,01993697	N/A	N/A	N/A	Inc-LSG1-2
A_23_P213228	1,63345	1,60497	1,01993697	ENST00000226382	8929	NM_003924	PHOX2B
A_21_P0004284	1,86299	1,83451	1,01993697	N/A	101927041	XR_246559	LOC101927041
A_21_P0003326	1,54512	1,51664	1,01993697	ENST00000509096	N/A	N/A	N/A
A_22_P00001446	4,50425	4,47577	1,01993697	ENST00000539222	N/A	DA259379	N/A
A_22_P00011155	1,55086	1,52239	1,019929901	N/A	N/A	N/A	Inc-OBFC2A-5
A_21_P0003521	1,52657	1,4981	1,019929901	ENST00000504394	N/A	N/A	N/A
A_21_P0000464	1,59918	1,57072	1,019922831	N/A	100113384	NR_003689	SNORD123
A_23_P500464	1,5615	1,53305	1,019915762	ENST00000380518	1280	NM_001844	COL2A1
A_23_P48964	8,74657	8,71812	1,019915762	ENST00000574755	26276	NM_018668	VPS33B
A_33_P3253264	9,49594	9,46749	1,019915762	ENST00000466813	3104	NM_005341	ZBTB48
A_33_P3280631	1,53067	1,50223	1,019908692	ENST00000379946	390078	NM_001005167	OR52E6
A_22_P00003447	1,59909	1,57065	1,019908692	ENST00000547004	N/A	N/A	N/A
A_33_P3217278	1,4283	1,39989	1,019887484	N/A	100129316	N/A	LOC100129316
A_23_P147845	11,9544	11,926	1,019880415	ENST00000570001	23042	NM_015027	PDXDC1
A_21_P0002449	1,48244	1,45405	1,019873345	N/A	N/A	N/A	Inc-TMEM17-2
A_33_P3424302	1,61697	1,58858	1,019873345	ENST00000279058	391253	NM_178455	SPINT4
A_22_P00023625	1,52459	1,4962	1,019873345	N/A	N/A	N/A	Inc-GLYATL2-1
A_22_P00008785	1,58794	1,55955	1,019873345	N/A	101928089	XR_247114	LOC101928089
A_21_P0007819	1,518	1,48962	1,019866276	N/A	N/A	N/A	Inc-CLEC2D-5
A_32_P29118	1,48716	1,45878	1,019866276	ENST00000284136	223117	NM_152754	SEMA3D
A_22_P00016822	1,62529	1,59691	1,019866276	ENST00000513051	N/A	N/A	N/A
A_33_P3402654	1,38195	1,35358	1,019859207	ENST00000623985	646113	NR_015358	LINC00643
A_23_P29608	1,57714	1,54878	1,019852138	ENST00000446461	389124	NM_001145059	IQCF5
A_23_P316637	1,57999	1,55164	1,019845069	ENST00000370527	128826	NM_178463	MIR1-1HG
A_21_P0010247	1,55196	1,52361	1,019845069	N/A	N/A	N/A	Inc-WRB-1
A_22_P00020880	1,52856	1,50021	1,019845069	N/A	100874014	NR_046672	NAV2-AS2
A_22_P00008261	4,82019	4,79186	1,019830931	ENST00000560688	N/A	N/A	N/A

A_33_P3312384	1,49409	1,46576	1,019830931	ENST00000445461	388815	NR_027790	MIR99AHG
A_21_P0002687	1,61822	1,5899	1,019823862	N/A	N/A	N/A	Inc-ZSWIM2-7
A_24_P335202	1,46337	1,43505	1,019823862	ENST00000534276	25884	XM_005273884	CHRDL2
A_21_P0004378	1,6922	1,66388	1,019823862	N/A	N/A	N/A	Inc-C5orf42-1
A_32_P77098	1,61114	1,58283	1,019816793	ENST00000420504	399474	NM_001003682	TMEM200B
A_22_P00016162	1,73625	1,70795	1,019809724	ENST00000561728	101927726	NR_109960	BEAN1-AS1
A_33_P3381117	6,15656	6,12826	1,019809724	N/A	100128563	AK129545	LOC100128563
A_22_P00003470	1,51668	1,48838	1,019809724	N/A	N/A	AK130693	Inc-CCDC68-2
A_21_P0007851	1,59581	1,56752	1,019802656	ENST00000548368	100131138	N/A	LINC01405
A_22_P00007062	1,52777	1,49948	1,019802656	N/A	N/A	N/A	Inc-GLCCI1-1
A_23_P363203	1,54466	1,51637	1,019802656	ENST00000483087	27004	NR_028288	TCL6
A_21_P0001994	1,6373	1,60902	1,019795587	ENST00000453880	100505964	NR_037881	LINC01304
A_22_P00001461	1,96219	1,93393	1,01978145	ENST00000547443	N/A	N/A	N/A
A_24_P13001	1,64343	1,61517	1,01978145	ENST00000369701	22986	NM_014978	SORCS3
A_21_P0003460	1,46845	1,4402	1,019774381	ENST00000510772	N/A	N/A	N/A
A_21_P0006392	1,53974	1,51149	1,019774381	ENST00000450292	N/A	N/A	N/A
A_33_P3381443	1,74529	1,71704	1,019774381	N/A	N/A	N/A	N/A
A_33_P3318145	1,54565	1,5174	1,019774381	ENST00000510718	N/A	N/A	N/A
A_23_P4696	5,0864	5,05816	1,019767313	ENST00000393796	692312	NM_001040664	PPAN-P2RY11
A_21_P0009678	1,53265	1,50441	1,019767313	N/A	N/A	N/A	Inc-TRIP10-1
A_23_P80508	1,65668	1,62844	1,019767313	ENST00000613069	57047	NM_020359	PLSCR2
A_33_P3250680	1,52035	1,49212	1,019760244	ENST00000370629	959	NM_000074	CD40LG
A_23_P214208	1,6727	1,64447	1,019760244	ENST00000369499	1268	NM_033181	CNR1
A_22_P00002790	1,68145	1,65322	1,019760244	N/A	N/A	N/A	Inc-C2CD4A-8
A_23_P25176	1,45912	1,43089	1,019760244	ENST00000552726	6910	NM_000192	TBX5
A_22_P00014428	2,04472	2,01649	1,019760244	N/A	N/A	N/A	Inc-SGSM2-1
A_21_P0013731	1,69377	1,66555	1,019753176	ENST00000449235	101927258	NR_121120	LINC01474
A_33_P3418803	1,60751	1,5793	1,019746107	ENST00000505599	345222	XR_241649	MSANTD1
A_22_P00009103	1,5535	1,5253	1,019739039	N/A	100506475	NR_102750	EGFLAM-AS2
A_21_P0004346	1,52991	1,50171	1,019739039	N/A	N/A	N/A	Inc-BTNL8-1
A_23_P63289	13,2961	13,2679	1,019739039	ENST00000378726	29101	NM_014188	SSU72
A_21_P0000182	2,9961	2,96791	1,019731971	N/A	100507462	NM_001242740	LOC100507462
A_22_P00010005	1,54254	1,51435	1,019731971	ENST00000576751	N/A	N/A	N/A

A_22_P00004545	1,65512	1,62694	1,019724903	N/A	N/A	N/A	Inc-CRH-4
A_33_P3228677	1,46535	1,43718	1,019717834	ENST00000611807	N/A	N/A	N/A
A_23_P419641	1,72187	1,69371	1,019710766	ENST00000249749	54567	NM_019074	DLL4
A_22_P00015695	1,89277	1,86461	1,019710766	N/A	N/A	N/A	Inc-SYNE1-1
A_33_P3316178	1,39889	1,37074	1,019703698	N/A	N/A	N/A	N/A
A_21_P0010130	1,6807	1,65256	1,01969663	N/A	N/A	N/A	Inc-BHLHE23-1
A_23_P16275	1,62216	1,59402	1,01969663	ENST00000358830	60385	NM_021733	TSKS
A_33_P3249589	1,51514	1,487	1,01969663	ENST00000358510	53335	NM_022893	BCL11A
A_22_P00017740	4,89274	4,8646	1,01969663	N/A	114044	NR_110565	MCM3AP-AS1
A_21_P0013458	1,50694	1,47881	1,019689562	ENST00000453187	103724390	NR_125776	LINC01287
A_22_P00001262	1,49737	1,46924	1,019689562	N/A	N/A	N/A	Inc-ANKRD42-3
A_21_P0008343	1,6487	1,62057	1,019689562	N/A	N/A	N/A	Inc-C14orf101-3
A_33_P3229487	1,53683	1,5087	1,019689562	ENST00000320048	390113	NM_001004726	OR4X1
A_24_P297526	1,37017	1,34205	1,019682494	ENST00000381585	130813	AK057872	C2orf50
A_22_P00011987	1,63342	1,60531	1,019675426	N/A	N/A	AK058085	Inc-PLAT-1
A_24_P145216	1,55004	1,52193	1,019675426	N/A	100291323	BC030635	LOC100291323
A_33_P3406196	1,51943	1,49132	1,019675426	ENST00000344825	3824	NM_002262	KLRD1
A_22_P00010520	1,58081	1,5527	1,019675426	ENST00000524772	N/A	N/A	N/A
A_23_P142994	9,32827	9,30016	1,019675426	ENST00000616198	129831	NM_152945	RBM45
A_21_P0001305	1,37429	1,34619	1,019668359	ENST00000451914	N/A	N/A	N/A
A_33_P3305758	12,5612	12,5331	1,019668359	ENST00000415012	822	NM_001256140	CAPG
A_21_P0013611	1,5569	1,52882	1,019654223	N/A	N/A	N/A	XLOC_I2_015090
A_33_P3242614	5,18369	5,15562	1,019647155	N/A	606724	NR_002454	LOC606724
A_21_P0003583	1,73966	1,7116	1,019640088	N/A	N/A	N/A	Inc-SOD3-1
A_22_P00016240	1,45769	1,42963	1,019640088	N/A	N/A	AA928980	Inc-TMC7-2
A_33_P3334798	1,77061	1,74256	1,01963302	ENST00000617088	195977	NM_001278688	ANTXR1
A_21_P0008386	1,48469	1,45665	1,019625953	N/A	N/A	N/A	Inc-WDR25-2
A_21_P0003312	1,46653	1,4385	1,019618885	N/A	N/A	N/A	Inc-CEP19-1
A_21_P0014176	1,53077	1,50274	1,019618885	N/A	N/A	XR_132856	N/A
A_21_P0000673	1,48742	1,45939	1,019618885	ENST00000412638	401983	NR_036753	ZNF847P
A_22_P00008851	1,7155	1,68748	1,019611818	N/A	N/A	AK124126	Inc-KLF9-1
A_23_P383227	1,51261	1,48459	1,019611818	ENST00000368698	6271	NM_006271	S100A1
A_24_P289043	1,44974	1,42172	1,019611818	ENST00000397777	N/A	N/A	N/A

A_24_P250507	1,66184	1,63382	1,019611818	ENST00000305479	164237	NM_172005	WFDC13
A_21_P0002464	1,64341	1,6154	1,01960475	N/A	N/A	N/A	Inc-REG1B-2
A_23_P166848	1,49326	1,46525	1,01960475	ENST00000426532	4057	NM_002343	LTF
A_33_P3315724	1,43374	1,40573	1,01960475	N/A	N/A	N/A	N/A
A_22_P00016707	1,64336	1,61535	1,01960475	N/A	N/A	N/A	Inc-TRAFD1-1
A_22_P00010495	1,45983	1,43183	1,019597683	ENST00000416173	N/A	N/A	N/A
A_21_P0003767	1,67392	1,64592	1,019597683	N/A	102724176	XR_425771	LOC102724176
A_22_P00007829	5,67444	5,64644	1,019597683	ENST00000515178	N/A	N/A	N/A
A_33_P3288832	1,62661	1,59862	1,019590616	ENST00000303991	114787	NM_052899	GPRIN1
A_33_P3328317	1,527	1,49901	1,019590616	ENST00000271417	387597	NM_199351	ILDR2
A_23_P79968	1,38387	1,35588	1,019590616	ENST00000262545	5126	NM_002594	PCSK2
A_21_P0013945	1,65226	1,62428	1,019583548	ENST00000435655	653125	XM_006725562	GOLGA8K
A_24_P350759	1,50632	1,47835	1,019576481	ENST00000395753	6506	NM_004171	SLC1A2
A_22_P00003036	1,53744	1,50948	1,019569414	ENST00000471553	N/A	N/A	N/A
A_23_P64879	1,64121	1,61325	1,019569414	ENST00000240662	3764	NM_004982	KCNJ8
A_22_P00002696	1,6343	1,60634	1,019569414	ENST00000433734	N/A	N/A	N/A
A_23_P110299	1,59848	1,57052	1,019569414	ENST00000304883	6870	NM_001059	TACR3
A_22_P00002429	1,50994	1,48199	1,019562347	N/A	N/A	N/A	Inc-C14orf28-1
A_22_P00013648	1,47899	1,45104	1,019562347	N/A	N/A	BX118971	Inc-RP11-664D7.4.1-1
A_32_P229132	1,51916	1,49123	1,019548213	ENST00000496950	56776	NM_020066	FMN2
A_21_P0012214	1,65989	1,63196	1,019548213	N/A	N/A	N/A	Inc-BACH1-1
A_19_P00315725	1,5477	1,51979	1,019534079	ENST00000418134	100422737	N/A	LOC100422737
A_21_P0012678	1,507	1,47909	1,019534079	ENST00000432407	N/A	N/A	N/A
A_22_P00009805	1,63928	1,61137	1,019534079	ENST00000561054	N/A	N/A	N/A
A_33_P3232203	1,38197	1,35406	1,019534079	ENST00000412969	N/A	BX641043	N/A
A_22_P00010853	1,63666	1,60876	1,019527012	N/A	N/A	N/A	Inc-NOP56-1
A_21_P0004850	1,45548	1,42759	1,019519946	N/A	N/A	N/A	Inc-E2F3-1
A_23_P411806	8,80401	8,77613	1,019512879	ENST00000374724	23446	NM_080546	SLC44A1
A_23_P89155	9,23635	9,20848	1,019505812	ENST00000569284	1018	NM_001258	CDK3
A_33_P3297310	1,50222	1,47435	1,019505812	N/A	N/A	N/A	N/A
A_22_P00008187	9,30078	9,27292	1,019498745	ENST00000530418	N/A	N/A	N/A
A_21_P0008788	1,59979	1,57194	1,019491679	ENST00000614853	400456	N/A	LINC01197
A_21_P0006964	1,53084	1,503	1,019484612	N/A	N/A	N/A	Inc-SFMBT2-2

A_21_P0012590	1,6827	1,65487	1,019477546	ENST00000509763	7364	N/A	UGT2B7
A_23_P145644	1,54907	1,52126	1,019463413	ENST00000444124	1644	NM_000790	DDC
A_21_P0000816	1,48958	1,46177	1,019463413	ENST00000566533	645355	NR_038839	MIR3976HG
A_23_P57020	1,62955	1,60176	1,01944928	ENST00000373003	149699	NM_001008901	GTSF1L
A_22_P00008999	2,81427	2,78648	1,01944928	ENST00000450365	N/A	N/A	N/A
A_33_P3325851	2,59764	2,56985	1,01944928	ENST00000425215	N/A	N/A	N/A
A_33_P3368822	1,63741	1,60962	1,01944928	N/A	N/A	N/A	N/A
A_21_P0007103	1,58479	1,557	1,01944928	N/A	N/A	N/A	Inc-MBL2-2
A_21_P0003084	1,4272	1,39942	1,019442214	N/A	N/A	N/A	Inc-HES1-1
A_23_P430728	1,59056	1,56279	1,019435148	ENST00000262623	495	NM_000704	ATP4A
A_22_P00017867	1,73761	1,70984	1,019435148	ENST00000513892	N/A	AK123312	N/A
A_21_P0005086	1,65828	1,63052	1,019428082	N/A	N/A	N/A	Inc-T-1
A_22_P00009025	1,53772	1,50996	1,019428082	N/A	N/A	N/A	Inc-LCLAT1-1
A_21_P0005221	1,49203	1,46427	1,019428082	ENST00000432866	100506725	NR_108082	LOC100506725
A_21_P0008686	1,60376	1,57601	1,019421015	ENST00000619812	N/A	N/A	N/A
A_22_P00005482	1,47301	1,44527	1,019413949	ENST00000563397	N/A	N/A	N/A
A_21_P0002238	1,57952	1,5518	1,019399817	N/A	N/A	N/A	Inc-PLEK-1
A_33_P3287238	1,68767	1,65996	1,019392752	N/A	N/A	N/A	N/A
A_33_P3398677	1,75535	1,72764	1,019392752	N/A	N/A	N/A	Inc-OXT-1
A_33_P3394786	13,13	13,1023	1,019385686	ENST00000588193	N/A	N/A	N/A
A_33_P3265624	4,78838	4,76068	1,019385686	N/A	N/A	N/A	N/A
A_22_P00020481	1,48225	1,45455	1,019385686	N/A	N/A	N/A	Inc-NDFIP2-4
A_23_P349966	1,52544	1,49774	1,019385686	ENST00000339375	222865	NM_152913	TMEM130
A_32_P224522	10,2258	10,1981	1,019385686	ENST00000301454	79085	NM_024103	SLC25A23
A_23_P60727	1,48291	1,45522	1,01937862	ENST00000404857	3778	NM_002247	KCNMA1
A_21_P0004403	1,65625	1,62856	1,01937862	ENST00000508486	101928769	NR_105001	LOC101928769
A_33_P3318771	1,80523	1,77755	1,019371554	ENST00000396372	796	NM_001033952	CALCA
A_22_P00011353	1,54318	1,5155	1,019371554	ENST00000534505	N/A	N/A	N/A
A_32_P8546	1,40544	1,37777	1,019364488	ENST00000455853	90632	NR_026860	LINC00473
A_21_P0010510	3,96652	3,93885	1,019364488	ENST00000442673	100133612	N/A	LINC01134
A_22_P00002133	1,65521	1,62755	1,019357423	N/A	6315	NR_002717	ATXN8OS
A_21_P0011750	1,5964	1,56874	1,019357423	ENST00000455211	N/A	N/A	N/A
A_22_P00006235	1,73845	1,7108	1,019350357	ENST00000535704	N/A	BG205064	N/A

A_22_P00023121	4,20038	4,17274	1,019343291	N/A	N/A	XM_006721356	Inc-RP11-327F22.5.1-4
A_23_P167061	1,63595	1,60831	1,019343291	ENST00000286719	5470	NM_006239	PPEF2
A_21_P0001744	1,51105	1,48342	1,019336226	N/A	N/A	N/A	Inc-CRABP2-1
A_33_P3214239	2,05937	2,03174	1,019336226	N/A	149775	N/A	GNAS-AS1
A_21_P0011801	1,53866	1,51103	1,019336226	N/A	N/A	N/A	XLOC_I2_007286
A_22_P00015424	5,37844	5,35082	1,01932916	N/A	101927159	NR_110004	LOC101927159
A_33_P3221828	6,22874	6,20113	1,019322095	ENST00000505276	N/A	AK056228	N/A
A_23_P60248	16,7644	16,7368	1,01931503	ENST00000487892	7295	NM_003329	TXN
A_33_P3265314	1,54514	1,51756	1,019300899	ENST00000609661	643365	XR_246655	LINC00452
A_22_P00006427	1,70052	1,67294	1,019300899	ENST00000453135	101929181	N/A	LOC101929181
A_22_P00020891	1,54622	1,51864	1,019300899	ENST00000505409	N/A	N/A	N/A
A_21_P0012660	1,63308	1,60551	1,019293834	N/A	N/A	N/A	XLOC_I2_011095
A_21_P0004135	1,40692	1,37935	1,019293834	N/A	N/A	N/A	Inc-CCDC125-7
A_21_P0002163	1,55604	1,52848	1,019286769	N/A	101929643	XR_241266	LOC101929643
A_22_P00015598	1,59557	1,56801	1,019286769	ENST00000359838	N/A	N/A	N/A
A_23_P352932	1,44958	1,42202	1,019286769	ENST00000612154	114815	NM_052918	SORCS1
A_21_P0014092	1,45185	1,42429	1,019286769	N/A	N/A	BG201242	N/A
A_21_P0003956	1,49934	1,47179	1,019279704	ENST00000507599	340094	NR_026994	LINC01020
A_22_P00013326	1,57718	1,54964	1,019272638	ENST00000486508	N/A	BU852190	N/A
A_21_P0013593	1,44828	1,42074	1,019272638	N/A	N/A	N/A	XLOC_I2_014853
A_22_P00020105	1,62288	1,59534	1,019272638	ENST00000545923	102724629	XR_424340	LOC102724629
A_33_P3357337	5,96429	5,93677	1,019258508	N/A	892	BC026272	CCNC
A_33_P3252781	1,56719	1,53967	1,019258508	ENST00000372263	219348	NM_001012973	PLAC9
A_23_P337278	1,57101	1,54349	1,019258508	ENST00000295729	255101	NM_152389	CCDC108
A_21_P0012558	1,54923	1,52172	1,019251443	ENST00000439115	N/A	N/A	N/A
A_22_P00003449	1,5742	1,54669	1,019251443	N/A	N/A	N/A	Inc-CCDC53-2
A_33_P3379456	11,3409	11,3134	1,019244379	ENST00000356150	26751	NM_001282687	SH3YL1
A_21_P0009087	1,60495	1,57745	1,019244379	N/A	N/A	N/A	Inc-C16orf95.1-1
A_21_P0004901	1,62939	1,60189	1,019244379	N/A	N/A	N/A	Inc-MYO6-3
A_24_P406814	11,1737	11,1462	1,019244379	ENST00000337318	9679	NM_014661	FAM53B
A_23_P131723	13,3409	13,3134	1,019244379	ENST00000381844	10971	NM_006826	YWHAQ
A_23_P159676	1,56375	1,53626	1,019237314	ENST00000619509	50945	NM_016954	TBX22
A_21_P0008052	3,00807	2,98059	1,019230249	N/A	N/A	N/A	Inc-NHLRC3-1

A_21_P0012843	1,43948	1,412	1,019230249	ENST00000514186	N/A	N/A	N/A
A_22_P00000371	1,46678	1,4393	1,019230249	ENST00000443087	N/A	N/A	N/A
A_33_P3215288	5,35792	5,33045	1,019223184	N/A	284757	AK128288	MIR646HG
A_21_P0003768	1,55129	1,52384	1,019209055	N/A	N/A	N/A	Inc-ANKRD50-5
A_22_P00025831	1,6833	1,65585	1,019209055	N/A	N/A	BC048201	Inc-RBM11-2
A_23_P430168	1,55354	1,5261	1,01920199	ENST00000484561	130026	AB053316	ICA1L
A_32_P150645	1,548	1,52056	1,01920199	N/A	N/A	M78233	N/A
A_22_P00011348	1,6002	1,57277	1,019194926	ENST00000554149	N/A	N/A	N/A
A_21_P0008472	1,65379	1,62636	1,019194926	N/A	N/A	N/A	Inc-GALC-5
A_22_P00007708	1,55192	1,52449	1,019194926	N/A	N/A	N/A	Inc-HJURP-1
A_33_P3341731	7,40307	7,37564	1,019194926	N/A	N/A	N/A	N/A
A_21_P0008750	4,65182	4,6244	1,019187861	N/A	N/A	N/A	Inc-CILP-1
A_22_P00004972	1,49786	1,47045	1,019180797	N/A	100873969	NR_049775	GPC5-AS1
A_22_P00006400	1,51958	1,49217	1,019180797	ENST00000501916	441009	NR_038857	CPEB2-AS1
A_23_P141770	11,1474	11,12	1,019173732	ENST00000580224	8774	NM_003826	NAPG
A_33_P3285570	1,58569	1,55829	1,019173732	N/A	N/A	DA194689	N/A
A_21_P0000446	1,50485	1,47745	1,019173732	N/A	100033422	NR_003325	SNORD116-10
A_21_P0002377	1,53994	1,51255	1,019166668	ENST00000407635	285191	XR_241442	LOC285191
A_21_P0003820	1,61852	1,59113	1,019166668	N/A	N/A	N/A	Inc-TRIML2-6
A_21_P0002905	1,5765	1,54911	1,019166668	ENST00000470523	N/A	N/A	N/A
A_22_P00025755	1,62366	1,59628	1,019159604	N/A	N/A	BC041947	Inc-SPAM1-2
A_21_P0006218	1,71185	1,68448	1,01915254	N/A	N/A	N/A	Inc-TLR4-4
A_24_P66605	1,54771	1,52035	1,019145475	ENST00000370490	84631	NM_032539	SLITRK2
A_33_P3276062	1,73982	1,71246	1,019145475	N/A	N/A	N/A	N/A
A_33_P3379776	1,39047	1,36313	1,019131347	N/A	N/A	N/A	N/A
A_22_P00018876	1,51336	1,48603	1,019124283	N/A	N/A	N/A	Inc-FNDC9-2
A_23_P79488	1,54281	1,51548	1,019124283	ENST00000394754	286749	NM_172311	STON1-GTF2A1L
A_23_P424689	1,56264	1,53531	1,019124283	ENST00000303922	N/A	BC026077	N/A
A_21_P0009641	1,6078	1,58049	1,019110155	ENST00000575722	N/A	N/A	N/A
A_22_P00016471	1,66875	1,64144	1,019110155	ENST00000523173	101927774	NR_121673	LINC00824
A_33_P3339611	1,60469	1,57738	1,019110155	N/A	N/A	N/A	N/A
A_33_P3243857	11,0019	10,9746	1,019103091	ENST00000396136	102	NM_001110	ADAM10
A_23_P144656	1,50258	1,47529	1,019096027	ENST00000502921	1008	NM_006727	CDH10



A_24_P131222	9,71839	9,6911	1,019096027	ENST00000341676	23400	NM_022089	ATP13A2
A_21_P0003916	1,63513	1,60785	1,019088963	N/A	N/A	N/A	Inc-IRF2-1
A_22_P00002446	1,63198	1,60471	1,0190819	ENST00000568019	N/A	N/A	N/A
A_21_P0014630	1,57176	1,5445	1,019074836	N/A	N/A	N/A	N/A
A_21_P0000159	1,60348	1,57622	1,019074836	ENST00000617745	374900	NM_001204838	ZNF568
A_22_P00002292	1,51238	1,48513	1,019067772	ENST00000456514	101101772	N/A	LINC00601
A_22_P00001050	7,07229	7,04504	1,019067772	ENST00000583271	728841	NM_001037501	NBPF8
A_21_P0000123	1,65943	1,63219	1,019060709	N/A	100507096	NM_001195138	GIMD1
A_21_P0013103	1,61648	1,58924	1,019060709	N/A	N/A	N/A	XLOC_I2_013149
A_22_P00011505	1,58111	1,55388	1,019053645	ENST00000624367	101929625	NR_109880	LOC101929625
A_23_P141624	1,62273	1,59551	1,019046582	ENST00000306271	81851	NM_030967	KRTAP1-1
A_21_P0014523	1,51986	1,49264	1,019046582	N/A	N/A	N/A	N/A
A_21_P0011830	1,68046	1,65325	1,019039518	N/A	N/A	N/A	XLOC_I2_007452
A_21_P0010249	1,54698	1,51978	1,019032455	N/A	N/A	N/A	Inc-MX1-1
A_33_P3295071	1,65813	1,63094	1,019025391	ENST00000604293	N/A	N/A	N/A
A_24_P376760	1,51765	1,49046	1,019025391	ENST00000476083	765	NM_001215	CA6
A_22_P00016275	1,42794	1,40075	1,019025391	ENST00000562516	N/A	BG201995	N/A
A_33_P3392927	1,6328	1,60561	1,019025391	ENST00000529003	N/A	AB529253	N/A
A_21_P0012662	1,50337	1,47618	1,019025391	N/A	N/A	N/A	XLOC_I2_011098
A_22_P00003584	1,48839	1,46121	1,019018328	ENST00000506819	N/A	DA851375	N/A
A_21_P0001670	1,65764	1,63046	1,019018328	N/A	N/A	N/A	Inc-ZCCHC17-1
A_33_P3288384	7,65523	7,62805	1,019018328	ENST00000529524	5682	NM_001143937	PSMA1
A_33_P3237482	1,61573	1,58856	1,019011265	ENST00000394362	221458	NM_145027	KIF6
A_21_P0006054	1,4932	1,46603	1,019011265	ENST00000454034	N/A	N/A	N/A
A_22_P00009492	1,36795	1,34078	1,019011265	N/A	N/A	DA753755	Inc-MAGEL2-1
A_33_P3391097	3,28162	3,25446	1,019004202	N/A	27434	AK092801	POLM
A_33_P3345344	1,68401	1,65686	1,018997138	ENST00000374139	644168	N/A	DRGX
A_23_P40856	1,45051	1,42336	1,018997138	ENST00000493075	57408	BC074741	LRTM1
A_33_P3250394	5,29138	5,26424	1,018990075	ENST00000451043	7221	N/A	TRPC2
A_33_P3246153	1,45663	1,42949	1,018990075	ENST00000527448	N/A	N/A	N/A
A_33_P3626739	1,60174	1,5746	1,018990075	N/A	N/A	AK094379	N/A
A_19_P00808726	1,49938	1,47226	1,018975949	N/A	N/A	N/A	N/A
A_21_P0007598	1,60493	1,57782	1,018968886	N/A	N/A	N/A	Inc-TMTC3-2

A_22_P00014424	1,3922	1,36509	1,018968886	ENST00000558852	N/A	N/A	N/A
A_24_P370471	7,78231	7,7552	1,018968886	ENST00000504770	83734	NM_031482	ATG10
A_22_P00012841	1,65308	1,62598	1,018961823	N/A	N/A	N/A	Inc-RASA1-7
A_22_P00009290	1,45557	1,42847	1,018961823	ENST00000532413	N/A	N/A	N/A
A_33_P3414037	1,50322	1,47612	1,018961823	N/A	101929574	NR_120661	LOC101929574
A_22_P00007262	1,46456	1,43749	1,018940635	N/A	N/A	BM685492	Inc-GPR146-1
A_33_P3322949	1,56249	1,53542	1,018940635	ENST00000441152	414235	NR_027151	PRR26
A_22_P00018148	1,66841	1,64134	1,018940635	ENST00000578035	N/A	N/A	N/A
A_21_P0000234	9,98291	9,95585	1,018933572	ENST00000484599	94163	NR_001457	SNORD38B
A_21_P0005003	1,60322	1,57617	1,018926509	N/A	N/A	N/A	Inc-DTNBP1-4
A_33_P3262366	1,46325	1,4362	1,018926509	N/A	N/A	N/A	N/A
A_33_P3252524	1,55978	1,53273	1,018926509	ENST00000367520	23127	NM_015101	COLGALT2
A_22_P00017119	1,63119	1,60414	1,018926509	N/A	N/A	N/A	Inc-UBAP1-1
A_33_P3392829	1,62176	1,59472	1,018919447	ENST00000612395	339768	NM_194312	ESPNL
A_21_P0008176	1,55175	1,52471	1,018919447	N/A	N/A	N/A	Inc-PCDH20-8
A_33_P3325165	1,64577	1,61873	1,018919447	ENST00000519203	N/A	BC140052	N/A
A_22_P00005146	1,59432	1,56729	1,018912384	N/A	N/A	N/A	Inc-DHX38-1
A_21_P0005249	1,63123	1,60421	1,018905322	N/A	N/A	N/A	Inc-ASB4-3
A_22_P00007878	1,52224	1,49523	1,018898259	N/A	284900	NR_026963	TTC28-AS1
A_33_P3353921	1,64152	1,61452	1,018891197	ENST00000489214	10578	AK310057	GNLY
A_33_P3328837	16,885	16,858	1,018891197	ENST00000589047	N/A	N/A	N/A
A_21_P0008948	1,52181	1,49483	1,018877072	ENST00000565229	N/A	N/A	N/A
A_24_P652502	1,56522	1,53824	1,018877072	ENST00000390426	N/A	Y15200	N/A
A_22_P00012374	1,61837	1,5914	1,01887001	ENST00000485805	100287879	NR_033978	LINC00994
A_33_P3299942	1,47798	1,45101	1,01887001	ENST00000584500	N/A	N/A	N/A
A_33_P3306063	1,45211	1,42514	1,01887001	N/A	N/A	N/A	N/A
A_21_P0010214	1,59991	1,57296	1,018855885	ENST00000411694	101928576	XR_244329	LOC101928576
A_22_P00009658	1,53567	1,50872	1,018855885	ENST00000427319	N/A	N/A	N/A
A_22_P00011228	1,66457	1,63763	1,018848823	ENST00000542992	N/A	N/A	N/A
A_32_P71571	1,54038	1,51345	1,018841761	ENST00000295569	151647	NM_182522	FAM19A4
A_21_P0012098	1,48926	1,46234	1,018834699	ENST00000430460	N/A	N/A	N/A
A_21_P0014263	1,62151	1,59459	1,018834699	N/A	N/A	N/A	N/A
A_22_P00004592	1,6847	1,65778	1,018834699	ENST00000453347	N/A	N/A	N/A

A_33_P3346348	5,97011	5,9432	1,018827637	ENST00000327098	93594	NM_001145088	TBC1D31
A_22_P00019001	1,51859	1,49169	1,018820575	N/A	N/A	N/A	Inc-FPGS-2
A_33_P3302756	1,63565	1,60875	1,018820575	ENST00000366160	N/A	AY662656	N/A
A_21_P0004429	1,61528	1,5884	1,018806451	N/A	N/A	N/A	Inc-EFNA5-3
A_22_P00017517	1,62195	1,59507	1,018806451	N/A	100506733	NR_038973	FAM170B-AS1
A_33_P3270252	1,64471	1,61784	1,018799389	ENST00000623530	347169	NM_001004450	OR1B1
A_22_P00003051	1,53675	1,50989	1,018792328	N/A	101926890	NR_104365	DAB1-AS1
A_22_P00011775	1,39834	1,37149	1,018785266	ENST00000421077	N/A	N/A	N/A
A_23_P18123	1,44159	1,41474	1,018785266	ENST00000361589	22871	NM_014932	NLGN1
A_21_P0008222	1,69115	1,66431	1,018778204	N/A	101928730	NR_120422	LOC101928730
A_33_P3222354	1,54563	1,51879	1,018778204	N/A	N/A	N/A	N/A
A_23_P374919	1,55788	1,53105	1,018771143	ENST00000337428	149499	NM_144702	LRRRC71
A_21_P0009845	1,45189	1,42506	1,018771143	ENST00000431915	N/A	N/A	N/A
A_33_P3406563	1,49942	1,47259	1,018771143	N/A	647012	NR_033658	YY1P2
A_23_P334798	1,59626	1,56944	1,018764081	ENST00000296144	79442	NM_024512	LRRRC2
A_23_P329573	9,27206	9,24524	1,018764081	ENST00000302347	3689	NM_000211	ITGB2
A_21_P0013066	1,65701	1,6302	1,01875702	ENST00000562221	101928603	NM_001282492	C6orf229
A_21_P0002703	1,54156	1,51476	1,018749958	ENST00000483525	101927152	NR_110000	LINC01212
A_33_P3257574	1,52229	1,49549	1,018749958	N/A	101928958	XR_241872	LOC101928958
A_21_P0000057	1,61579	1,58899	1,018749958	ENST00000581175	8787	NM_001165933	RGS9
A_33_P6616798	1,53034	1,50354	1,018749958	ENST00000478310	26266	NM_012450	SLC13A4
A_33_P3237854	1,40816	1,38138	1,018735835	N/A	497634	N/A	LINC00293
A_21_P0004926	1,40873	1,38195	1,018735835	N/A	285759	NR_027060	FLJ34503
A_21_P0011735	1,62051	1,59377	1,01870759	ENST00000592347	100420587	N/A	LOC100420587
A_21_P0004533	1,42745	1,40072	1,018700529	N/A	N/A	N/A	Inc-MAT2B-3
A_21_P0001692	1,6231	1,59637	1,018700529	ENST00000418041	101927412	NR_125941	LOC101927412
A_22_P00004651	1,66025	1,63352	1,018700529	ENST00000611197	101928448	NM_001287053	LOC101928448
A_22_P00005998	1,49145	1,46472	1,018700529	ENST00000519107	N/A	N/A	N/A
A_21_P0001070	1,46495	1,43822	1,018700529	ENST00000445339	101927532	XR_247092	LOC101927532
A_22_P00001312	1,54573	1,51901	1,018693468	N/A	N/A	N/A	Inc-ANP32A-2
A_21_P0006574	1,65005	1,62333	1,018693468	N/A	101928832	XR_244520	LOC101928832
A_22_P00020499	1,56752	1,54081	1,018686407	N/A	N/A	N/A	Inc-HCN4-1
A_23_P50990	6,84005	6,81335	1,018679346	ENST00000260662	79172	NM_024322	CENPO

A_22_P00007872	1,36661	1,33992	1,018672285	ENST00000438522	N/A	N/A	N/A
A_22_P00007955	1,68894	1,66225	1,018672285	ENST00000411436	N/A	N/A	N/A
A_22_P00007964	1,55955	1,53286	1,018672285	ENST00000442864	N/A	N/A	N/A
A_33_P3807006	1,54404	1,51736	1,018665224	N/A	N/A	AF279773	Inc-PTN-2
A_23_P311632	1,53279	1,50611	1,018665224	ENST00000312165	171389	NM_138329	NLRP6
A_33_P3232557	6,15921	6,13253	1,018665224	ENST00000373347	58512	NM_001080418	DLGAP3
A_33_P3410123	1,4057	1,37903	1,018658164	ENST00000378592	85452	XM_006710997	CFAP74
A_21_P0013529	1,4546	1,42793	1,018658164	N/A	N/A	N/A	XLOC_I2_014664
A_21_P0008326	1,49173	1,46507	1,018651103	ENST00000555636	102723503	XR_424495	LOC102723503
A_22_P00010536	1,49907	1,47242	1,018644042	N/A	N/A	N/A	Inc-NCKAP1-1
A_22_P00025294	1,57807	1,55142	1,018644042	ENST00000549660	N/A	N/A	N/A
A_33_P3297360	1,54325	1,5166	1,018644042	N/A	N/A	N/A	N/A
A_21_P0011313	1,57462	1,54798	1,018636981	N/A	N/A	N/A	XLOC_I2_004611
A_22_P00014632	1,43687	1,41023	1,018636981	N/A	N/A	N/A	Inc-SLC16A8-1
A_21_P0012924	1,54018	1,51354	1,018636981	N/A	N/A	N/A	XLOC_I2_012187
A_21_P0002438	1,55411	1,52747	1,018636981	N/A	N/A	N/A	Inc-PIGF-3
A_33_P3570218	1,65426	1,62763	1,018629921	N/A	339926	NR_038990	EHHADH-AS1
A_23_P146849	1,41876	1,39213	1,018629921	ENST00000620457	321	NM_005503	APBA2
A_22_P00022061	1,66947	1,64285	1,01862286	N/A	N/A	BG184928	Inc-WDR67-1
A_23_P164596	1,57844	1,55182	1,01862286	ENST00000291707	89858	NM_053003	SIGLEC12
A_22_P00008210	1,61307	1,58645	1,01862286	ENST00000601762	10160	XR_172015	FARP1
A_21_P0002456	1,49473	1,46811	1,01862286	N/A	N/A	N/A	Inc-GKN2-1
A_33_P3401247	1,60409	1,57748	1,0186158	ENST00000421630	100129924	NM_001242750	LOC100129924
A_33_P3283944	3,94663	3,92002	1,0186158	N/A	N/A	N/A	N/A
A_22_P00008398	1,55684	1,53025	1,018601679	N/A	N/A	N/A	Inc-JOSD1-1
A_22_P00009998	1,50947	1,48289	1,018594618	ENST00000525912	100507584	AL043098	LINC01016
A_33_P3336944	1,6293	1,60272	1,018594618	ENST00000328655	203074	NM_198464	PRSS55
A_22_P00023201	1,38517	1,35859	1,018594618	ENST00000507401	6323	N/A	SCN1A
A_21_P0005802	1,61433	1,58777	1,018580498	N/A	N/A	N/A	Inc-FGF20-2
A_22_P00010417	2,2314	2,20485	1,018573437	ENST00000577863	284034	N/A	LINC00670
A_22_P00012772	5,50242	5,47588	1,018566377	N/A	N/A	CU690729	Inc-RAI1-1
A_22_P00011018	1,4942	1,46768	1,018552257	N/A	N/A	N/A	Inc-NSUN7-1
A_23_P31124	1,68312	1,6566	1,018552257	ENST00000467045	81578	NM_030820	COL21A1

A_33_P3280905	1,37821	1,35169	1,018552257	ENST00000461229	N/A	N/A	N/A
A_22_P00005513	1,38311	1,35661	1,018538137	ENST00000520386	N/A	BX113303	N/A
A_24_P205252	1,50175	1,47525	1,018538137	ENST00000611933	220965	NM_001001971	FAM13C
A_21_P0004074	1,64913	1,62264	1,018531077	ENST00000503317	N/A	N/A	N/A
A_22_P00006319	1,45579	1,42932	1,018516957	N/A	N/A	N/A	Inc-FAM92B-3
A_21_P0010468	1,45473	1,42826	1,018516957	N/A	N/A	N/A	Inc-FAM19A5-2
A_22_P00015711	1,55706	1,53059	1,018516957	ENST00000551032	N/A	CX163995	N/A
A_21_P0008933	1,49493	1,46847	1,018509898	ENST00000567899	N/A	N/A	N/A
A_21_P0002991	1,45106	1,4246	1,018509898	N/A	N/A	N/A	Inc-CADM2-3
A_21_P0002824	1,65366	1,6272	1,018509898	ENST00000452657	N/A	N/A	N/A
A_22_P00023576	1,50449	1,47803	1,018509898	ENST00000521055	N/A	CV393458	N/A
A_22_P00025642	1,46129	1,43485	1,018495778	ENST00000413960	N/A	N/A	N/A
A_22_P00019067	1,50679	1,48035	1,018495778	N/A	100874090	NR_046647	SLC6A1-AS1
A_21_P0004798	1,56394	1,53751	1,018488718	N/A	N/A	N/A	Inc-SOD2-1
A_22_P00020113	1,51521	1,48878	1,018488718	N/A	N/A	BC047599	Inc-FAM69C-1
A_21_P0012062	2,34964	2,32321	1,018488718	ENST00000414796	N/A	N/A	N/A
A_23_P250251	1,60454	1,57812	1,018481659	ENST00000380206	3440	NM_000605	IFNA2
A_21_P0006367	1,52205	1,49563	1,018481659	N/A	N/A	N/A	Inc-TLR4-3
A_33_P3780505	1,6673	1,64088	1,018481659	N/A	326343	NR_003658	MT1DP
A_33_P3312774	1,53807	1,51166	1,018474599	N/A	N/A	N/A	N/A
A_23_P169460	1,67799	1,6516	1,01846048	ENST00000539465	22844	NM_014907	FRMPD1
A_19_P00802137	1,57244	1,54606	1,018453421	N/A	N/A	N/A	XLOC_I2_000864
A_22_P00015720	2,93742	2,91106	1,018439302	ENST00000553426	646113	AW958746	LINC00643
A_23_P258748	1,53395	1,50759	1,018439302	ENST00000264387	56918	NM_020161	C2orf83
A_23_P99253	1,55253	1,52617	1,018439302	ENST00000261203	8825	NM_004664	LIN7A
A_22_P00000238	1,51732	1,49096	1,018439302	ENST00000445093	N/A	N/A	N/A
A_33_P3441031	1,42418	1,39783	1,018432243	N/A	387895	BC038732	LINC00944
A_22_P00025878	1,41348	1,38713	1,018432243	N/A	N/A	BG181997	Inc-GNS-2
A_22_P00006988	1,51204	1,4857	1,018425184	N/A	N/A	DB517201	Inc-GDPD5-2
A_21_P0012623	1,6009	1,57458	1,018411066	N/A	N/A	N/A	XLOC_I2_010880
A_23_P24493	1,52723	1,50092	1,018404006	ENST00000528662	4317	NM_002424	MMP8
A_33_P3211488	1,63899	1,61268	1,018404006	ENST00000368145	391114	NM_001005327	OR6K3
A_23_P103276	7,87282	7,84651	1,018404006	ENST00000371614	112970	NM_138417	KTI12

A_33_P3384260	12,3417	12,3154	1,018396947	ENST00000546500	3178	XR_245923	HNRNPA1
A_33_P3231357	1,57754	1,55125	1,018389888	ENST00000234371	84634	NM_032551	KISS1R
A_21_P0007681	1,76975	1,74346	1,018389888	N/A	N/A	N/A	Inc-PARP11-3
A_21_P0007510	1,58657	1,56029	1,01838283	N/A	N/A	N/A	Inc-CHFR-1
A_21_P0005707	1,66384	1,63756	1,01838283	ENST00000520862	101929628	XR_426320	LOC101929628
A_24_P164664	1,70717	1,6809	1,018375771	ENST00000594480	148003	NM_001190441	LGALS16
A_33_P3279167	1,49719	1,47092	1,018375771	N/A	343505	NM_001047980	NBPF7
A_19_P00319028	1,50776	1,48149	1,018375771	ENST00000484091	731220	NM_001145664	RFX8
A_21_P0010470	5,03098	5,00471	1,018375771	N/A	N/A	N/A	Inc-MAPK8IP2-1
A_23_P96611	1,50516	1,4789	1,018368712	ENST00000371921	51213	NM_016383	LUZP4
A_22_P00008505	1,57563	1,54938	1,018361653	N/A	N/A	N/A	Inc-KCNG3-2
A_24_P494943	1,54221	1,51596	1,018361653	ENST00000441942	100128682	NR_040046	LINC01531
A_21_P0009226	1,62079	1,59454	1,018361653	N/A	N/A	N/A	Inc-AC104024.2.1-1
A_21_P0002565	1,52938	1,50313	1,018361653	N/A	N/A	N/A	Inc-TPO-4
A_22_P00024185	1,45243	1,42619	1,018354594	ENST00000551387	N/A	N/A	N/A
A_22_P00004596	1,40639	1,38016	1,018347536	ENST00000517984	101927815	NR_125426	LOC101927815
A_21_P0013144	6,45901	6,43278	1,018347536	ENST00000607807	N/A	N/A	N/A
A_21_P0011820	1,50481	1,47858	1,018347536	N/A	N/A	N/A	XLOC_I2_007435
A_21_P0005457	1,43326	1,40705	1,018333419	N/A	N/A	N/A	Inc-WDR60-3
A_33_P3420347	1,67052	1,64432	1,01832636	N/A	N/A	N/A	N/A
A_23_P123256	11,2579	11,2317	1,01832636	ENST00000512074	11333	NM_014891	PDAP1
A_33_P3248052	1,57028	1,54409	1,018319302	ENST00000297967	22829	NM_001164238	NLGN4Y
A_33_P3219537	1,50409	1,4779	1,018319302	N/A	388910	NR_028409	LINC00207
A_21_P0002922	1,54058	1,51441	1,018305185	ENST00000422271	N/A	N/A	N/A
A_24_P408603	1,65343	1,62726	1,018305185	ENST00000369454	116442	NM_171998	RAB39B
A_22_P00023615	1,66546	1,6393	1,018298126	N/A	100873947	NR_046669	LMLN-AS1
A_21_P0009286	1,62407	1,59792	1,018291068	N/A	102723961	XR_424879	LOC102723961
A_22_P00005875	1,49313	1,46698	1,018291068	N/A	100505475	NR_120501	SYNE1-AS1
A_21_P0003280	1,61905	1,59292	1,018276952	N/A	N/A	N/A	Inc-DPH3-1
A_21_P0012909	1,68522	1,65909	1,018276952	N/A	N/A	N/A	XLOC_I2_012071
A_21_P0005641	1,5243	1,49818	1,018269894	N/A	N/A	N/A	Inc-FBXO25-5
A_21_P0002132	1,58165	1,55554	1,018262835	ENST00000443261	101927619	N/A	LOC101927619
A_23_P36624	1,59779	1,57168	1,018262835	ENST00000240687	50837	NM_023919	TAS2R7

A_24_P414371	11,2492	11,2231	1,018255777	ENST00000394854	5530	NM_000944	PPP3CA
A_22_P00011867	1,48947	1,46339	1,018241662	ENST00000530126	N/A	DW442486	N/A
A_21_P0003202	1,60839	1,58231	1,018241662	N/A	N/A	N/A	Inc-GMNC-1
A_21_P0003610	1,66988	1,64381	1,018234604	N/A	N/A	N/A	Inc-SRD5A3-1
A_22_P00016753	1,62481	1,59874	1,018234604	ENST00000434509	N/A	N/A	N/A
A_21_P0014814	1,53312	1,50706	1,018227546	N/A	N/A	N/A	N/A
A_22_P00004144	1,63085	1,6048	1,018220488	N/A	N/A	DA728743	Inc-CLEC14A-1
A_21_P0014511	4,51064	4,48459	1,018220488	ENST00000562391	100506070	NR_103445	RBFADN
A_24_P187799	1,9823	1,95626	1,01821343	ENST00000428526	79974	NM_024913	CPED1
A_22_P00025481	1,67407	1,64803	1,01821343	N/A	N/A	N/A	Inc-C20orf196-1
A_21_P0001577	1,55198	1,52595	1,018206373	N/A	N/A	N/A	Inc-GJA5-1
A_33_P3233040	1,37951	1,35348	1,018206373	ENST00000382749	89778	NM_080475	SERPINB11
A_21_P0002536	1,50182	1,4758	1,018199315	N/A	N/A	N/A	Inc-IKZF2-1
A_33_P3397473	1,73995	1,71393	1,018199315	N/A	N/A	N/A	N/A
A_21_P0003688	1,54296	1,51695	1,018192257	N/A	N/A	N/A	Inc-RP11-389E17.1.1-3
A_33_P3252989	12,1359	12,1099	1,0181852	ENST00000492395	23053	NM_015037	ZSWIM8
A_32_P179138	1,51412	1,48813	1,018178142	N/A	2982	NM_000856	GUCY1A3
A_22_P00003689	1,45116	1,42517	1,018178142	ENST00000505040	N/A	N/A	N/A
A_22_P00007433	1,61668	1,5907	1,018171085	N/A	100128079	XR_424776	LOC100128079
A_32_P478023	1,60595	1,57997	1,018171085	ENST00000525148	266743	NM_178864	NPAS4
A_33_P3294533	1,47975	1,45378	1,018164027	ENST00000321728	5579	NM_002738	PRKCB
A_33_P3397383	1,69164	1,66568	1,01815697	ENST00000507931	166979	BC037547	CDC20B
A_22_P00019035	1,4992	1,47326	1,018142856	N/A	N/A	BX113107	Inc-PTPRU-1
A_33_P3391542	1,57918	1,55324	1,018142856	ENST00000480924	N/A	N/A	N/A
A_33_P3209651	1,53659	1,51065	1,018142856	ENST00000325239	57705	NM_020945	WDFY4
A_22_P00013463	1,43447	1,40854	1,018135798	ENST00000555990	N/A	BX119121	N/A
A_33_P3332018	1,5096	1,48368	1,018128741	ENST00000248598	10875	NM_006682	FGL2
A_33_P3279820	4,92277	4,89685	1,018128741	ENST00000419532	N/A	N/A	N/A
A_33_P3351681	1,62991	1,60399	1,018128741	ENST00000298050	159989	NM_181645	CCDC67
A_33_P3385842	5,16	5,13408	1,018128741	ENST00000435402	79741	NM_145023	CCDC7
A_21_P0005450	1,53569	1,50977	1,018128741	N/A	N/A	N/A	Inc-AC021218.2.1-1
A_33_P3329587	1,5356	1,50969	1,018121684	N/A	N/A	N/A	N/A
A_21_P0001708	8,15856	8,13265	1,018121684	N/A	N/A	N/A	Inc-HMCN1-2

A_33_P3322353	11,8423	11,8164	1,018114627	ENST00000426421	830	NM_006136	CAPZA2
A_33_P3378556	1,71501	1,68912	1,01810757	ENST00000403665	2160	NM_000128	F11
A_23_P304171	9,82881	9,80293	1,018100513	N/A	9711	NM_001145642	KIAA0226
A_21_P0008226	1,49133	1,46545	1,018100513	N/A	N/A	N/A	Inc-GAS6-2
A_33_P3212302	1,65131	1,62543	1,018100513	ENST00000616228	11178	NM_021020	LZTS1
A_21_P0001444	1,46952	1,44364	1,018100513	N/A	N/A	N/A	Inc-EXO1-1
A_33_P3379556	1,52428	1,49842	1,018086399	ENST00000374144	118461	NM_001135196	C10orf71
A_33_P3269166	1,60149	1,57563	1,018086399	ENST00000467264	259232	N/A	NALCN
A_33_P3732688	1,43971	1,41386	1,018079342	N/A	646034	AK125175	LOC646034
A_22_P00006331	1,68131	1,65548	1,018065229	ENST00000532380	102723378	NR_120583	LINC01495
A_33_P3397545	1,43101	1,4052	1,018051116	ENST00000382208	613209	NM_001033017	DEFB135
A_21_P0010958	1,36863	1,34282	1,018051116	ENST00000455414	N/A	N/A	N/A
A_23_P402787	10,7704	10,7446	1,018044059	ENST00000588691	124402	NM_145253	UBALD1
A_22_P00016785	7,10347	7,07768	1,018037003	ENST00000518412	100505659	NR_039979	LINC00967
A_22_P00009310	1,61229	1,5865	1,018037003	ENST00000558429	N/A	N/A	N/A
A_33_P3238802	1,5498	1,52402	1,018029946	N/A	N/A	N/A	N/A
A_23_P251259	8,00852	7,98275	1,01802289	ENST00000459745	2968	NM_001517	GTF2H4
A_21_P0002486	1,64818	1,62241	1,01802289	N/A	N/A	N/A	Inc-ST6GAL2-4
A_22_P00003430	8,38472	8,35895	1,01802289	N/A	N/A	CB994296	Inc-CCDC33-2
A_22_P00019975	1,60513	1,57938	1,018008777	N/A	N/A	N/A	Inc-IL17B-1
A_32_P308595	1,67122	1,64547	1,018008777	ENST00000272643	80731	NM_001080427	THSD7B
A_23_P405161	1,61791	1,59218	1,017994665	ENST00000307003	202865	JF432437	C7orf33
A_21_P0004278	1,45685	1,43113	1,017987608	ENST00000511323	N/A	N/A	N/A
A_22_P00010908	1,62657	1,60086	1,017980552	ENST00000562268	N/A	BC046494	N/A
A_21_P0012488	1,62532	1,59961	1,017980552	ENST00000425894	N/A	N/A	N/A
A_22_P00003622	1,48583	1,46014	1,01796644	N/A	N/A	N/A	Inc-CD46-1
A_21_P0008235	1,4105	1,38481	1,01796644	N/A	N/A	N/A	Inc-KIAA1704-1
A_33_P3495234	1,6339	1,60823	1,017952328	N/A	55354	AJ276510	ORF1
A_33_P3320752	1,59202	1,56636	1,017945272	N/A	N/A	AF090901	N/A
A_23_P168368	1,67478	1,64915	1,017924105	ENST00000623971	80099	NM_025031	C7orf69
A_22_P00022983	1,68581	1,66018	1,017924105	ENST00000411785	N/A	N/A	N/A
A_33_P3308332	4,11635	4,09072	1,017924105	ENST00000426191	58473	NM_021200	PLEKHB1
A_23_P4179	1,49162	1,466	1,017917049	N/A	N/A	N/A	Inc-ANKRD40-1



A_22_P00020568	1,53108	1,50546	1,017917049	ENST00000435108	N/A	N/A	N/A
A_23_P154855	1,66675	1,64114	1,017909994	ENST00000416357	3753	NM_000219	KCNE1
A_33_P3531857	13,7271	13,7015	1,017902938	ENST00000537273	1615	NM_001349	DARS
A_33_P3255782	16,5337	16,5081	1,017902938	ENST00000471205	N/A	N/A	N/A
A_32_P51084	13,4203	13,3947	1,017902938	ENST00000477620	23165	NM_015135	NUP205
A_23_P98974	1,59243	1,56683	1,017902938	ENST00000540815	8549	NM_003667	LGR5
A_22_P00022550	1,40584	1,38024	1,017902938	N/A	N/A	N/A	Inc-TDRD9-AS1-1
A_23_P139547	14,1767	14,1511	1,017902938	ENST00000301071	7846	NM_006009	TUBA1A
A_33_P3344633	1,40179	1,3762	1,017895882	N/A	N/A	BX648590	N/A
A_33_P3314386	9,82508	9,79949	1,017895882	ENST00000606911	26092	NM_001267578	TOR1AIP1
A_22_P00004996	1,62135	1,59577	1,017888827	ENST00000496220	401103	NR_040105	FLJ46066
A_33_P3275495	4,39509	4,36951	1,017888827	ENST00000412427	400743	XR_108366	LOC400743
A_33_P3351840	3,51892	3,49334	1,017888827	ENST00000511921	N/A	N/A	N/A
A_22_P00009740	1,64294	1,61737	1,017881772	ENST00000561915	N/A	BC033975	N/A
A_33_P3223602	1,72846	1,7029	1,017874716	ENST00000509231	340562	NM_001012980	SATL1
A_22_P00006396	1,41371	1,38815	1,017874716	N/A	N/A	DB310788	Inc-FBXL17-1
A_33_P3320082	6,03707	6,01152	1,017867661	ENST00000622520	4781	NM_005596	NFIB
A_21_P0011167	1,63705	1,6115	1,017867661	N/A	N/A	N/A	XLOC_I2_003877
A_33_P3419577	1,61025	1,58472	1,01785355	ENST00000402452	642636	NM_001136566	RAD21L1
A_21_P0002447	1,37374	1,34822	1,017846495	N/A	N/A	N/A	Inc-FAM161A-1
A_23_P108221	3,48538	3,45986	1,017846495	ENST00000585580	83983	NM_032037	TSSK6
A_23_P141651	8,1862	8,16068	1,017846495	ENST00000582565	9611	NM_006311	NCOR1
A_21_P0006897	1,46881	1,4433	1,01783944	N/A	N/A	N/A	Inc-PLCE1-1
A_21_P0010103	1,69587	1,67037	1,017832385	N/A	N/A	N/A	Inc-PRNT-1
A_33_P3345683	1,5051	1,4796	1,017832385	ENST00000306842	219858	NM_001005195	OR8B12
A_22_P00008257	1,67505	1,64956	1,01782533	N/A	N/A	N/A	Inc-IRX1-2
A_22_P00025453	5,25893	5,23344	1,01782533	N/A	N/A	N/A	Inc-TIGIT-6
A_24_P99066	1,4466	1,42113	1,01781122	ENST00000255326	56163	NM_031277	RNF17
A_32_P426044	1,51902	1,49355	1,01781122	ENST00000613251	158724	NM_203408	FAM47A
A_22_P00001233	1,40826	1,38279	1,01781122	ENST00000590053	N/A	XR_243985	N/A
A_21_P0012405	2,57076	2,54529	1,01781122	N/A	N/A	N/A	XLOC_I2_009929
A_33_P3289701	1,40093	1,37547	1,017804165	ENST00000317996	127064	NM_001004692	OR2T12
A_33_P3306232	1,56468	1,53923	1,01779711	ENST00000373519	340529	NM_001012977	PABPC1L2A

A_22_P00006827	1,49986	1,47442	1,017790055	ENST00000522274	N/A	CD675724	N/A
A_23_P2543	1,47516	1,44974	1,017775946	ENST00000261726	23316	NM_015267	CUX2
A_21_P0004187	1,62376	1,59834	1,017775946	ENST00000584829	101927134	N/A	LINC01470
A_22_P00014936	1,6681	1,64269	1,017768891	ENST00000424165	N/A	N/A	N/A
A_33_P3385716	1,65201	1,62661	1,017761836	ENST00000307632	390036	NM_001005171	OR52K1
A_33_P3213432	12,8006	12,7752	1,017761836	ENST00000313754	83787	NM_031905	ARMC10
A_21_P0003974	1,61561	1,59022	1,017754782	ENST00000505844	N/A	XR_241746	N/A
A_32_P485915	1,52262	1,49723	1,017754782	ENST00000466087	284525	NM_178527	SLC9C2
A_33_P3334404	1,61015	1,58477	1,017747727	N/A	765	JF432775	CA6
A_22_P00017023	1,65036	1,62499	1,017740673	N/A	N/A	AK056799	Inc-TTC7A-1
A_22_P00023726	1,54722	1,52185	1,017740673	ENST00000547882	N/A	BX118462	N/A
A_21_P0011199	1,58043	1,55506	1,017740673	ENST00000453309	N/A	N/A	N/A
A_33_P3236137	1,71027	1,68492	1,017726564	ENST00000309900	54768	NM_001270974	HYDIN
A_22_P00017167	1,42213	1,39678	1,017726564	ENST00000590046	N/A	N/A	N/A
A_33_P3402694	1,54339	1,51805	1,01771951	ENST00000495504	9515	NM_014980	STXBP5L
A_22_P00022745	7,89609	7,87075	1,01771951	N/A	N/A	N/A	Inc-LRGUK-1
A_21_P0004145	1,55895	1,53362	1,017712456	ENST00000507781	104310351	N/A	LINC01331
A_21_P0011099	1,58071	1,5554	1,017698347	ENST00000541353	N/A	N/A	N/A
A_33_P3312147	1,53926	1,51395	1,017698347	N/A	N/A	N/A	N/A
A_33_P3380076	1,89032	1,86501	1,017698347	N/A	N/A	N/A	N/A
A_24_P400044	1,6317	1,60639	1,017698347	ENST00000376006	170685	NM_153183	NUDT10
A_22_P00005336	6,27285	6,24754	1,017698347	N/A	N/A	N/A	Inc-DPCD-1
A_21_P0006590	1,69418	1,66888	1,017691293	ENST00000425031	100873962	N/A	LINC00278
A_22_P00013274	1,64036	1,61506	1,017691293	N/A	101929517	NR_120581	LOC101929517
A_21_P0007600	1,58781	1,56251	1,017691293	N/A	N/A	N/A	Inc-TMTC3-5
A_23_P152066	10,4255	10,4002	1,017691293	ENST00000290650	197131	NM_174916	UBR1
A_22_P00006287	5,67789	5,6526	1,017684239	N/A	285154	NR_027252	CYP1B1-AS1
A_22_P00013733	1,65991	1,63462	1,017684239	ENST00000561121	N/A	N/A	N/A
A_22_P00014513	1,59659	1,5713	1,017684239	N/A	N/A	AK091594	Inc-SHPRH-2
A_33_P3287610	1,51664	1,49135	1,017684239	ENST00000390313	N/A	DQ098743	N/A
A_23_P37736	1,51906	1,49379	1,017670131	ENST00000053243	608	NM_001192	TNFRSF17
A_22_P00019943	1,65562	1,63036	1,017663077	N/A	N/A	N/A	Inc-HECW2-1
A_33_P3364263	4,83289	4,80763	1,017663077	ENST00000484150	81606	NM_030915	LBH

A_21_P0009231	1,45812	1,43286	1,017663077	N/A	N/A	N/A	Inc-WSB1-2
A_22_P00023003	1,62126	1,596	1,017663077	N/A	728805	XR_244198	LOC728805
A_23_P212196	9,04124	9,01598	1,017663077	ENST00000449570	4968	NM_016828	OGG1
A_33_P6805926	1,51769	1,49245	1,017648969	ENST00000509473	100144602	NR_034138	EPHA5-AS1
A_33_P3228892	1,45651	1,43127	1,017648969	N/A	100130370	AL162045	LOC100130370
A_22_P00024033	1,51494	1,4897	1,017648969	ENST00000457672	N/A	N/A	N/A
A_22_P00007577	1,60424	1,57901	1,017641916	N/A	N/A	BC033353	Inc-HDAC4-1
A_33_P3234515	1,62671	1,60149	1,017634862	ENST00000581571	400643	NR_034100	LINC00668
A_22_P00008523	1,61463	1,58944	1,017613701	N/A	N/A	BX396015	Inc-KCNJ12-4
A_33_P3235177	1,53455	1,50936	1,017613701	ENST00000409262	200424	NM_001287491	TET3
A_33_P3339885	1,50121	1,47602	1,017613701	N/A	N/A	CR746068	N/A
A_22_P00024833	7,8211	7,79591	1,017613701	N/A	N/A	N/A	Inc-CNTLN-2
A_21_P0004282	1,7401	1,71493	1,017599594	N/A	N/A	N/A	Inc-MAN2A1-3
A_21_P0004319	1,67723	1,65207	1,01759254	N/A	N/A	N/A	Inc-LSM11-7
A_21_P0005737	1,45969	1,43453	1,01759254	N/A	N/A	N/A	Inc-SDC2-1
A_22_P00012748	1,60691	1,58176	1,017585487	N/A	N/A	N/A	Inc-RAC3-1
A_22_P00018345	6,77074	6,74561	1,01757138	N/A	81854	NR_024166	ZNF205-AS1
A_22_P00001700	1,60115	1,57603	1,017564327	N/A	N/A	N/A	Inc-ATF7IP-1
A_22_P00007516	1,54791	1,52279	1,017564327	N/A	N/A	N/A	Inc-H2AFY2-1
A_23_P346953	1,37241	1,34731	1,017550221	ENST00000406247	1607	NM_145695	DGKB
A_22_P00005541	1,59942	1,57432	1,017550221	N/A	N/A	BG773262	Inc-EDC3-1
A_22_P00024664	1,65866	1,63356	1,017550221	N/A	N/A	N/A	Inc-LRRC1-5
A_21_P0008218	1,5412	1,5161	1,017550221	N/A	N/A	N/A	Inc-TUBGCP3-7
A_33_P3303900	1,51992	1,49482	1,017550221	ENST00000623472	143496	NM_001005161	OR52B4
A_33_P3394769	13,8507	13,8256	1,017550221	ENST00000339996	389827	NM_001080483	TMEM8C
A_21_P0011548	1,57628	1,55119	1,017543168	N/A	N/A	N/A	XLOC_I2_005869
A_33_P3257392	1,48394	1,45886	1,017536115	ENST00000441776	N/A	N/A	N/A
A_21_P0002631	1,59843	1,57335	1,017536115	ENST00000432733	151300	N/A	LINC00608
A_21_P0011846	1,48601	1,46094	1,017529062	ENST00000454927	101929926	N/A	LOC101929926
A_23_P216610	9,65922	9,63415	1,017529062	ENST00000374270	64420	NM_022486	SUSD1
A_21_P0009216	1,86431	1,83925	1,017522009	N/A	N/A	N/A	Inc-PFAS-1
A_19_P00321230	7,61969	7,59463	1,017522009	N/A	202181	NR_026921	LOC202181
A_21_P0013405	1,56869	1,54364	1,017514956	N/A	N/A	N/A	Inc-SPAM1-2

A_22_P00006256	1,533	1,50795	1,017514956	N/A	N/A	AK125862	Inc-FAM65C-1
A_24_P324674	1,49293	1,46788	1,017514956	ENST00000392203	4063	NM_002348	LY9
A_33_P3227876	1,49624	1,4712	1,017507903	ENST00000540591	391003	NM_001099850	LOC391003
A_24_P786388	1,4513	1,42627	1,01750085	ENST00000611853	378807	NM_198137	CATSPER4
A_23_P74547	1,64905	1,62404	1,017486745	ENST00000464329	963	NM_001040033	CD53
A_33_P3343045	1,38241	1,35741	1,017479692	N/A	51063	AK125276	CALHM2
A_33_P3269528	4,13339	4,1084	1,017472639	N/A	N/A	N/A	N/A
A_33_P3307945	1,59894	1,57395	1,017472639	ENST00000409515	100652824	NM_001277372	KIAA2012
A_21_P0013211	1,51266	1,48767	1,017472639	N/A	N/A	N/A	XLOC_I2_013437
A_21_P0007428	1,60783	1,58285	1,017465587	ENST00000530418	N/A	N/A	N/A
A_22_P00014140	1,49879	1,47381	1,017465587	ENST00000503542	N/A	N/A	N/A
A_21_P0004655	1,65269	1,62774	1,01744443	ENST00000426547	N/A	N/A	N/A
A_24_P62505	1,61661	1,59167	1,017437377	ENST00000361927	23127	NM_015101	COLGALT2
A_22_P00006121	1,63366	1,60873	1,017430325	N/A	N/A	N/A	Inc-FAM174A-1
A_33_P3373243	1,66505	1,64012	1,017430325	ENST00000319817	162137	XR_110135	LOC162137
A_24_P945059	1,37371	1,34878	1,017430325	ENST00000367245	80177	NM_025107	MYCT1
A_22_P00003780	7,29429	7,26936	1,017430325	N/A	N/A	BQ082177	Inc-CDK2AP1-1
A_21_P0008735	1,5292	1,50428	1,017423273	ENST00000561238	101928442	XR_243148	LINC01491
A_33_P3242798	9,70789	9,68298	1,01741622	ENST00000233072	1373	NM_001875	CPS1
A_23_P398449	1,72884	1,70393	1,01741622	ENST00000448644	55350	NM_001291703	VNN3
A_33_P3417745	14,3419	14,317	1,017409168	ENST00000268182	8826	NM_003870	IQGAP1
A_21_P0002171	1,64901	1,62411	1,017409168	N/A	N/A	N/A	Inc-GREB1-3
A_22_P00004963	1,51724	1,49234	1,017409168	N/A	100287722	NR_125965	AP4B1-AS1
A_23_P421423	15,8522	15,8273	1,017409168	ENST00000560869	7127	NM_006291	TNFAIP2
A_22_P00025105	1,66399	1,6391	1,017402116	N/A	N/A	BU568025	Inc-EPHB6-1
A_22_P00010201	1,64524	1,62035	1,017402116	ENST00000533106	N/A	N/A	N/A
A_22_P00013087	1,49125	1,46637	1,017395064	N/A	N/A	XM_006710260	Inc-RHOXF2-1
A_22_P00007310	1,64988	1,62501	1,017388012	N/A	N/A	AK055697	Inc-GPR63-1
A_33_P6473699	1,61425	1,58938	1,017388012	N/A	101928694	NR_120338	LOC101928694
A_33_P3328390	1,46438	1,43951	1,017388012	ENST00000314040	N/A	AK091913	N/A
A_33_P3393650	7,40632	7,38145	1,017388012	ENST00000538677	54477	NM_019012	PLEKHA5
A_22_P00017869	1,36606	1,3412	1,01738096	N/A	N/A	AK092317	Inc-ZDHHC5-1
A_22_P00003441	1,62241	1,59755	1,01738096	ENST00000472596	N/A	XR_425656	N/A

A_24_P144346	1,63065	1,60579	1,01738096	ENST00000426099	N/A	XM_006726634	N/A
A_21_P0006862	1,49854	1,4737	1,017366856	N/A	N/A	N/A	Inc-ZNF487P-1
A_21_P0001355	1,46455	1,43971	1,017366856	N/A	101928334	XR_425182	LOC101928334
A_33_P3366025	1,50625	1,48142	1,017359804	ENST00000378786	389715	N/A	FAM205BP
A_22_P00007012	1,62067	1,59585	1,017352753	ENST00000457224	N/A	N/A	N/A
A_24_P272352	9,08931	9,06449	1,017352753	ENST00000521432	N/A	N/A	N/A
A_33_P3230498	1,54547	1,52065	1,017352753	N/A	N/A	AK130931	N/A
A_21_P0013447	1,58508	1,56027	1,017345701	N/A	N/A	N/A	XLOC_I2_013932
A_24_P193582	10,5363	10,5115	1,017338649	ENST00000567999	54849	NM_017702	DEF8
A_33_P3303785	1,67956	1,65476	1,017338649	ENST00000396482	10777	NM_001025069	ARPP21
A_33_P3787904	16,4098	16,385	1,017338649	ENST00000523599	100506679	NR_125362	LOC100506679
A_21_P0006715	1,466	1,44121	1,017331598	ENST00000449693	283038	N/A	LOC283038
A_23_P142205	1,67329	1,64852	1,017317495	ENST00000439534	11027	NM_006866	LILRA2
A_21_P0004032	1,65003	1,62529	1,01729634	ENST00000512237	N/A	N/A	N/A
A_21_P0000046	1,67014	1,6454	1,01729634	N/A	7694	NM_001164527	ZNF135
A_33_P3306252	1,48463	1,45991	1,017282238	N/A	N/A	N/A	Inc-PIEZO2-7
A_32_P190049	9,71766	9,69295	1,017275186	ENST00000295628	116064	NM_001099678	LRRC58
A_22_P00003092	1,49495	1,47024	1,017275186	ENST00000518861	N/A	N/A	N/A
A_24_P122403	10,3055	10,2808	1,017268135	ENST00000613537	6924	NM_003198	TCEB3
A_24_P639665	1,47116	1,44648	1,017254033	ENST00000430766	101929407	NR_121599	PTPRD-AS1
A_21_P0008002	1,6421	1,61743	1,017246982	ENST00000452852	N/A	N/A	N/A
A_21_P0010151	1,62538	1,60072	1,017239931	ENST00000426609	N/A	N/A	N/A
A_22_P00015171	1,57458	1,54993	1,01723288	ENST00000449761	N/A	N/A	N/A
A_21_P0011513	1,61737	1,59272	1,01723288	N/A	N/A	N/A	XLOC_I2_005667
A_23_P123488	1,71194	1,6873	1,017225829	ENST00000276594	63978	NM_024504	PRDM14
A_23_P158938	8,53688	8,51224	1,017225829	ENST00000372745	26985	NM_207012	AP3M1
A_22_P00024826	1,66492	1,64029	1,017218778	N/A	N/A	AK128348	Inc-CHP2.1-1
A_22_P00025145	1,52789	1,50326	1,017218778	N/A	101927521	XR_433469	LOC101927521
A_24_P38276	8,20621	8,18159	1,017211727	ENST00000287934	8321	NM_003505	FZD1
A_21_P0013860	1,3858	1,36118	1,017211727	ENST00000436019	N/A	N/A	N/A
A_21_P0009068	1,65606	1,63145	1,017204677	N/A	N/A	N/A	Inc-CDYL2-5
A_24_P129632	10,8588	10,8342	1,017197626	ENST00000614211	9231	NM_004747	DLG5
A_21_P0009088	1,59811	1,57351	1,017197626	N/A	N/A	N/A	Inc-C16orf95-2

A_22_P00005232	1,6899	1,6653	1,017197626	ENST00000423708	N/A	N/A	N/A
A_23_P62642	6,13687	6,11227	1,017197626	ENST00000475911	25790	NM_012337	CFAP45
A_23_P94591	15,1315	15,1069	1,017197626	ENST00000465017	85014	NM_032928	TMEM141
A_24_P400507	5,46356	5,43897	1,017190575	ENST00000496647	285203	NM_173654	EOGT
A_23_P33868	1,61499	1,5904	1,017190575	ENST00000435339	2846	NM_005296	LPAR4
A_21_P0002941	1,73467	1,71011	1,017169424	N/A	101927995	XR_249394	LOC101927995
A_22_P00024857	6,47998	6,45543	1,017162373	ENST00000607353	100288798	N/A	LOC100288798
A_23_P86315	1,55031	1,52577	1,017155323	ENST00000357836	148738	NM_213653	HFE2
A_21_P0003700	1,5442	1,51967	1,017148272	ENST00000513313	401164	N/A	LINC01060
A_21_P0010937	1,53504	1,51052	1,017141222	ENST00000446557	N/A	N/A	N/A
A_24_P942493	2,16172	2,1372	1,017141222	ENST00000317744	23302	NM_015253	WSCD1
A_22_P00012482	7,74782	7,7233	1,017141222	ENST00000531827	100506368	NR_038905	LOC100506368
A_21_P0005660	1,57959	1,55508	1,017134172	N/A	N/A	N/A	Inc-C8orf48-1
A_22_P00006089	1,73013	1,70562	1,017134172	N/A	N/A	N/A	Inc-FAM160A1-5
A_33_P3608620	1,45501	1,4305	1,017134172	ENST00000327908	345193	NM_198506	LRIT3
A_33_P3226479	1,61686	1,59236	1,017127122	N/A	100337616	N/A	CSN1S2BP
A_22_P00008207	1,733	1,7085	1,017127122	N/A	N/A	N/A	Inc-INTS9-1
A_21_P0008165	1,5713	1,54681	1,017120071	N/A	N/A	N/A	Inc-PCDH8-1
A_22_P00000607	1,36645	1,34196	1,017120071	ENST00000568063	N/A	AK123856	N/A
A_22_P00005053	1,61215	1,58766	1,017120071	ENST00000556978	N/A	AA989421	N/A
A_33_P3316147	1,40597	1,38148	1,017120071	ENST00000405102	441308	NM_001005504	OR4F21
A_33_P3421664	1,62065	1,59617	1,017113021	ENST00000444136	163589	NM_001199085	TDRD5
A_23_P80817	1,71379	1,68932	1,017105971	ENST00000478951	29114	NM_013259	TAGLN3
A_33_P3260530	1,55692	1,53246	1,017098921	N/A	163782	NM_181712	KANK4
A_22_P00020470	1,58837	1,56391	1,017098921	ENST00000540595	N/A	N/A	N/A
A_22_P00005352	1,36785	1,34339	1,017098921	N/A	N/A	N/A	Inc-DPY30-2
A_21_P0004896	1,67438	1,64994	1,017084821	N/A	N/A	N/A	Inc-BAI3-2
A_21_P0008210	1,72242	1,69798	1,017084821	N/A	N/A	N/A	Inc-EFNB2-2
A_21_P0002408	1,5901	1,56566	1,017084821	N/A	N/A	N/A	Inc-RDH14-2
A_21_P0000455	1,43483	1,41039	1,017084821	N/A	100033820	NR_003361	SNORD116-28
A_22_P00011255	1,49691	1,47248	1,017077771	N/A	100507362	NR_037181	LINC01015
A_21_P0003370	1,5119	1,48747	1,017077771	ENST00000509782	N/A	N/A	N/A
A_33_P3352867	1,50816	1,48374	1,017070722	ENST00000378126	56142	NM_031848	PCDHA6

A_22_P00017908	1,62173	1,59731	1,017070722	ENST00000563098	N/A	N/A	N/A
A_21_P0012936	1,60384	1,57943	1,017063672	N/A	N/A	N/A	XLOC_I2_012323
A_24_P263956	10,1215	10,0971	1,017056622	ENST00000519948	552889	NM_001136262	ATXN7L3B
A_22_P00015222	1,5594	1,535	1,017056622	ENST00000441657	N/A	XR_241423	N/A
A_24_P153587	1,49517	1,47077	1,017056622	N/A	N/A	AK091161	N/A
A_22_P00008308	14,0327	14,0083	1,017056622	N/A	100996301	NR_121635	FOXD3-AS1
A_22_P00012365	1,4894	1,465	1,017056622	ENST00000446280	N/A	N/A	N/A
A_23_P72770	1,57887	1,55448	1,017049573	ENST00000393091	84101	NM_032147	USP44
A_22_P00022296	1,59733	1,57295	1,017042523	N/A	N/A	N/A	Inc-TMEM74-1
A_23_P147465	3,37022	3,34585	1,017035473	ENST00000479615	5071	NM_004562	PARK2
A_22_P00012109	1,60017	1,57581	1,017028424	ENST00000416722	388830	N/A	LINC00316
A_32_P140139	1,61663	1,59227	1,017028424	ENST00000264870	2162	NM_000129	F13A1
A_22_P00011827	1,44354	1,41919	1,017021374	N/A	N/A	N/A	Inc-PHF20L1-2
A_24_P924611	1,53894	1,51461	1,017007275	N/A	326342	AY181245	EMR4P
A_24_P229871	6,01011	5,98578	1,017007275	ENST00000321800	283982	BC101214	LINC00469
A_33_P3292259	1,44699	1,42266	1,017007275	ENST00000509798	729307	XR_244723	LOC729307
A_19_P00319347	1,55291	1,52858	1,017007275	ENST00000442316	N/A	N/A	N/A
A_22_P00015798	1,61835	1,59404	1,016993177	N/A	N/A	N/A	Inc-TAS2R1-1
A_33_P3359858	1,45702	1,43272	1,016986128	N/A	400997	NR_122074	LOC400997
A_23_P45396	13,1607	13,1364	1,016986128	ENST00000375298	3028	NM_004493	HSD17B10
A_22_P00007289	1,60523	1,58094	1,016979078	N/A	N/A	N/A	Inc-GPR26-4
A_22_P00008627	1,52532	1,50103	1,016979078	ENST00000524070	286094	NR_026706	LOC286094
A_33_P3219835	1,60979	1,58551	1,016972029	ENST00000413718	54090	NR_024367	LINC00111
A_21_P0003314	1,61909	1,59481	1,016972029	ENST00000426551	439934	NR_024087	LINC00575
A_21_P0010441	1,5655	1,54122	1,016972029	N/A	N/A	N/A	Inc-KCNJ4-1
A_32_P187571	1,545	1,52072	1,016972029	ENST00000278947	6327	NM_004588	SCN2B
A_21_P0008186	1,66766	1,64338	1,016972029	N/A	N/A	N/A	Inc-RBM26-1
A_21_P0009710	1,37455	1,35028	1,01696498	N/A	N/A	N/A	Inc-ZNF507-1
A_22_P00018288	1,43137	1,4071	1,01696498	ENST00000423518	2918	N/A	GRM8
A_21_P0003429	1,48112	1,45685	1,01696498	ENST00000507838	101928151	N/A	LINC01179
A_24_P926631	1,60512	1,58086	1,016957931	ENST00000449981	1769	NM_001206927	DNAH8
A_21_P0004225	1,5705	1,54624	1,016957931	N/A	N/A	N/A	Inc-MTRR-4
A_33_P6815803	1,59095	1,56669	1,016957931	ENST00000531319	283177	NR_033852	LOC283177

A_23_P501319	1,53405	1,50979	1,016957931	ENST00000428113	51666	NM_016116	ASB4
A_21_P0003350	1,41392	1,38967	1,016950882	ENST00000514737	N/A	N/A	N/A
A_22_P00004759	1,46764	1,44339	1,016950882	N/A	N/A	N/A	Inc-CTSZ-3
A_21_P0002898	1,63619	1,61194	1,016950882	ENST00000498241	N/A	N/A	N/A
A_22_P00001611	1,66681	1,64256	1,016950882	ENST00000557499	N/A	BE895011	N/A
A_24_P840042	1,50365	1,47941	1,016943833	N/A	646113	NR_015358	LINC00643
A_33_P3286357	1,64231	1,61807	1,016943833	ENST00000495689	N/A	N/A	N/A
A_21_P0005855	1,51606	1,49182	1,016943833	N/A	N/A	N/A	Inc-RP11-664D7.4.1-3
A_21_P0007752	1,39715	1,37292	1,016936784	N/A	N/A	N/A	Inc-APPL2-2
A_22_P00025885	1,57657	1,55234	1,016936784	ENST00000548329	N/A	N/A	N/A
A_33_P3220475	7,69401	7,66978	1,016936784	ENST00000367602	200058	NR_026900	FLJ23867
A_22_P00007005	1,64859	1,62438	1,016922687	N/A	N/A	N/A	Inc-GGH-1
A_22_P00004452	1,65254	1,62833	1,016922687	ENST00000511602	N/A	N/A	N/A
A_21_P0000861	1,53978	1,51558	1,016915638	N/A	100506134	NR_038983	TTC21B-AS1
A_22_P00001241	1,52803	1,50383	1,016915638	ENST00000581351	N/A	BX104831	N/A
A_24_P190472	15,081	15,0568	1,016915638	ENST00000338380	6590	NM_003064	SLPI
A_23_P363936	8,53886	8,51467	1,016908589	ENST00000296464	22824	NM_014278	HSPA4L
A_21_P0001583	1,53727	1,51309	1,016901541	N/A	N/A	N/A	Inc-GPATCH4-1
A_21_P0005920	1,71023	1,68605	1,016901541	ENST00000522989	N/A	N/A	N/A
A_21_P0010953	1,69567	1,6715	1,016894492	ENST00000454178	101929624	NR_120667	LINC01519
A_33_P3362068	6,86558	6,84141	1,016894492	N/A	N/A	N/A	N/A
A_23_P13195	1,62622	1,60206	1,016887443	ENST00000341493	26494	NM_001002905	OR8G1
A_24_P342632	1,51021	1,48607	1,016873347	ENST00000344720	26289	NM_174858	AK5
A_24_P33446	1,49284	1,4687	1,016873347	N/A	338651	NR_021489	KRTAP5-AS1
A_22_P00014121	1,61841	1,59427	1,016873347	N/A	N/A	BG387304	Inc-SCAPER-1
A_22_P00003301	1,65184	1,62771	1,016866298	ENST00000414210	100505887	NR_104620	LOC100505887
A_22_P00007170	1,62554	1,60142	1,01685925	N/A	N/A	BC042527	Inc-GNG5-4
A_22_P00010127	1,47846	1,45436	1,016845153	N/A	N/A	N/A	Inc-MRPL19-3
A_22_P00017411	1,65231	1,62821	1,016845153	ENST00000530606	253264	NR_038226	ZNF503-AS1
A_21_P0004154	1,39932	1,37522	1,016845153	ENST00000513779	N/A	N/A	N/A
A_22_P00005154	1,40326	1,37917	1,016838105	N/A	N/A	N/A	Inc-DIAPH1-1
A_22_P00007370	1,48139	1,45731	1,016831057	N/A	100506915	NR_103776	CHRM3-AS2
A_33_P3311648	1,48088	1,4568	1,016831057	N/A	N/A	N/A	N/A



A_33_P3219939	1,68051	1,65644	1,016824009	ENST00000377833	8029	NM_001081	CUBN
A_33_P3333050	8,14907	8,125	1,016824009	ENST00000223073	389015	NM_001011552	SLC9A4
A_22_P00016305	1,51673	1,49267	1,016816961	ENST00000536342	400087	NR_033987	FLJ37505
A_21_P0001255	3,73615	3,71209	1,016816961	N/A	N/A	N/A	Inc-TNFRSF14-1
A_21_P0013019	1,5918	1,56775	1,016809913	N/A	N/A	N/A	XLOC_I2_012432
A_33_P3290354	1,50933	1,48529	1,016802865	ENST00000480856	84624	NM_032532	FNDC1
A_33_P3792641	1,53222	1,50818	1,016802865	N/A	100144595	NM_001256368	LOC100144595
A_33_P3215113	1,42496	1,40093	1,016795817	ENST00000460721	23641	NM_012317	LDOC1
A_22_P00015179	1,61087	1,58684	1,016795817	ENST00000561786	101928698	NR_108094	LINC01070
A_22_P00008343	1,46465	1,44062	1,016795817	N/A	100505890	NR_104028	SORCS3-AS1
A_33_P3363660	1,70872	1,6847	1,016788769	N/A	N/A	N/A	N/A
A_33_P3378790	1,59319	1,56917	1,016788769	ENST00000395987	55259	NM_001082972	CASC1
A_21_P0003829	1,54988	1,52586	1,016788769	ENST00000510420	N/A	N/A	N/A
A_33_P6472709	4,26845	4,24443	1,016788769	N/A	100874300	NR_046796	SYNJ2-IT1
A_21_P0003128	1,49849	1,47448	1,016781721	N/A	N/A	N/A	Inc-FOXP1-1
A_21_P0007580	1,61227	1,58826	1,016781721	N/A	N/A	N/A	Inc-TRHDE-1
A_32_P141923	15,5555	15,5315	1,016774673	ENST00000521764	342538	NM_199290	NACA2
A_24_P372625	10,2702	10,2462	1,016774673	ENST00000534281	50862	NM_016422	RNF141
A_22_P00003326	1,51446	1,49047	1,016767626	ENST00000538641	102723895	NR_120585	LOC102723895
A_21_P0004477	1,52253	1,49854	1,016767626	N/A	N/A	N/A	Inc-MGAT1-2
A_23_P68978	1,46126	1,43727	1,016767626	ENST00000477145	64800	NM_022785	EFCAB6
A_33_P3274599	2,28416	2,26017	1,016767626	ENST00000507796	100124412	NR_026819	FAM138E
A_33_P3285585	1,39304	1,36907	1,01675353	ENST00000414816	400511	NR_122072	LINC01567
A_21_P0008414	1,62322	1,59925	1,01675353	ENST00000549013	N/A	N/A	N/A
A_22_P00015966	1,74149	1,71752	1,01675353	ENST00000579561	N/A	BF510650	N/A
A_22_P00015654	1,65038	1,62641	1,01675353	ENST00000555947	101926928	DA040952	LOC101926928
A_23_P304016	5,43897	5,415	1,01675353	ENST00000619764	N/A	BC006438	N/A
A_24_P229638	1,60345	1,57949	1,016746483	ENST00000496009	286207	NM_001012502	C9orf117
A_22_P00022331	1,52338	1,49942	1,016746483	N/A	N/A	BG218223	Inc-FAM9C-2
A_22_P00005567	1,60863	1,58467	1,016746483	ENST00000521359	N/A	N/A	N/A
A_33_P3378136	1,41648	1,39252	1,016746483	ENST00000335605	219436	NM_001004735	OR5D14
A_22_P00018836	1,68483	1,66088	1,016739435	N/A	N/A	DB516635	Inc-SH3RF2-1
A_33_P3353757	1,36506	1,34111	1,016739435	N/A	N/A	N/A	N/A

A_21_P0002771	1,42208	1,39814	1,016732388	N/A	100507389	NR_038455	LOC100507389
A_22_P00015925	1,48588	1,46194	1,016732388	ENST00000460130	27004	BX161462	TCL6
A_21_P0008834	1,42722	1,40329	1,01672534	N/A	N/A	N/A	Inc-PML-2
A_33_P3233304	1,64313	1,6192	1,01672534	ENST00000610772	339766	N/A	MROH2A
A_21_P0002143	1,65817	1,63424	1,01672534	ENST00000418330	348761	NR_033879	SPATA3-AS1
A_23_P323801	1,63688	1,61296	1,016718293	ENST00000330891	144453	NM_032735	BEST3
A_23_P209799	1,6841	1,66019	1,016711246	ENST00000494959	4648	NM_001080527	MYO7B
A_33_P3251647	1,38719	1,36329	1,016704198	N/A	100113383	AK126016	PCBP3-OT1
A_21_P0014685	1,51658	1,49269	1,016697151	ENST00000335616	388282	NM_001278081	LOC388282
A_33_P3391721	1,5419	1,51801	1,016697151	N/A	N/A	BF997934	Inc-CALCOCO2-7
A_21_P0004916	1,63528	1,61139	1,016697151	N/A	N/A	N/A	Inc-PRDM1-2
A_22_P00006236	6,58715	6,56327	1,016690104	ENST00000543182	N/A	N/A	N/A
A_23_P28224	1,61298	1,5891	1,016690104	ENST00000303395	6323	NM_006920	SCN1A
A_22_P00008213	1,49255	1,46868	1,016683057	N/A	101928999	NR_109984	IQCF5-AS1
A_21_P0009003	1,61915	1,59528	1,016683057	N/A	N/A	N/A	Inc-ADCY9-1
A_22_P00020529	1,62153	1,59766	1,016683057	ENST00000450551	N/A	N/A	N/A
A_33_P3850216	1,47377	1,44991	1,01667601	ENST00000353317	84675	NM_033058	TRIM55
A_22_P00013956	1,47815	1,45429	1,01667601	N/A	N/A	N/A	Inc-RTKN2-1
A_22_P00010037	1,73163	1,70777	1,01667601	ENST00000555871	N/A	N/A	N/A
A_33_P3290959	1,64083	1,617	1,016654869	N/A	N/A	N/A	Inc-POLR2B-1
A_32_P865708	1,66915	1,64533	1,016647822	ENST00000368894	118670	NM_001029888	FAM24A
A_21_P0003150	1,57486	1,55104	1,016647822	N/A	N/A	N/A	Inc-CBLB-7
A_21_P0003751	1,58386	1,56004	1,016647822	N/A	N/A	N/A	Inc-SNCA-1
A_21_P0007342	1,52016	1,49635	1,016640775	N/A	N/A	N/A	Inc-LRRC4C-5
A_33_P3218741	13,8006	13,7768	1,016633728	N/A	N/A	N/A	N/A
A_33_P3314515	1,44378	1,41998	1,016633728	N/A	348808	NR_002811	NPHP3-AS1
A_33_P3257523	6,7607	6,73691	1,016626681	ENST00000370708	26036	NM_001257273	ZNF451
A_32_P169574	6,9679	6,94412	1,016619635	ENST00000484499	55593	NM_017602	OTUD5
A_24_P57047	1,48382	1,46004	1,016619635	ENST00000356433	10683	NM_203486	DLL3
A_21_P0011178	1,63754	1,61377	1,016612588	N/A	N/A	N/A	XLOC_I2_003897
A_22_P00009707	4,05112	4,02736	1,016605541	N/A	N/A	N/A	Inc-MBTPS2-1
A_22_P00024951	6,23183	6,20807	1,016605541	N/A	727993	XR_244229	LOC727993
A_22_P00012794	1,47226	1,4485	1,016605541	ENST00000523678	N/A	N/A	N/A

A_22_P00011831	1,45468	1,43093	1,016598495	N/A	N/A	N/A	Inc-PHF3-3
A_21_P0004956	1,48068	1,45693	1,016598495	N/A	N/A	N/A	Inc-PPP1R14C-1
A_33_P3345881	1,60153	1,57778	1,016598495	N/A	N/A	N/A	N/A
A_21_P0010822	1,45625	1,43251	1,016591448	ENST00000423162	100129055	N/A	LOC100129055
A_21_P0004173	1,61242	1,58868	1,016591448	ENST00000515704	101927280	N/A	LOC101927280
A_33_P3263198	1,51273	1,48899	1,016591448	N/A	N/A	N/A	N/A
A_23_P332713	1,6299	1,60616	1,016591448	ENST00000262961	23217	NM_015174	ZFR2
A_33_P3249349	6,93419	6,91046	1,016584402	ENST00000406503	23532	N/A	PRAME
A_21_P0008470	1,53668	1,51295	1,016584402	N/A	N/A	N/A	Inc-SEL1L-9
A_21_P0009701	1,59463	1,57091	1,016577356	ENST00000587998	102724958	NR_110760	LOC102724958
A_32_P154380	4,97604	4,95233	1,016570309	N/A	N/A	N/A	Inc-SLC25A2-1
A_23_P23783	1,42421	1,4005	1,016570309	ENST00000614688	4653	NM_000261	MYOC
A_22_P00014638	1,61629	1,59258	1,016570309	ENST00000531858	N/A	N/A	N/A
A_33_P3372466	12,2451	12,2214	1,016563263	ENST00000601461	9524	NM_138501	TECR
A_21_P0012497	1,58253	1,55883	1,016563263	N/A	N/A	N/A	Inc-GAP43-6
A_23_P383031	4,04405	4,02036	1,016556217	ENST00000371586	200014	NM_032449	CC2D1B
A_22_P00004111	1,54381	1,52014	1,016542124	N/A	N/A	N/A	Inc-CLCN3-2
A_24_P20369	1,55167	1,52801	1,016535078	ENST00000456124	54716	NM_020208	SLC6A20
A_24_P650396	1,43772	1,41407	1,016528032	ENST00000375026	338661	NM_001013743	TMEM225
A_22_P00022513	1,49799	1,47436	1,01651394	N/A	N/A	DA715917	Inc-ST3GAL6-1
A_22_P00025351	1,60625	1,58263	1,016506894	ENST00000440802	N/A	N/A	N/A
A_23_P142606	1,45857	1,43496	1,016499848	ENST00000282141	1420	NM_020989	CRYGC
A_33_P3377399	5,60745	5,58384	1,016499848	N/A	N/A	N/A	Inc-RP11-778D12.2.1-4
A_33_P3273723	1,66994	1,64633	1,016499848	N/A	N/A	AK129540	N/A
A_21_P0002988	1,70044	1,67683	1,016499848	N/A	N/A	N/A	Inc-CADM2-5
A_33_P3402495	6,87105	6,84746	1,016485757	N/A	N/A	N/A	N/A
A_33_P3502547	1,72943	1,70584	1,016485757	N/A	N/A	BU955595	N/A
A_33_P3249345	1,4533	1,42971	1,016485757	ENST00000403441	23532	NM_001291719	PRAME
A_21_P0011136	1,60548	1,58189	1,016485757	N/A	N/A	N/A	XLOC_I2_003666
A_21_P0007277	1,46349	1,4399	1,016485757	N/A	N/A	N/A	Inc-HTR3A-1
A_33_P3374343	1,6229	1,59932	1,016478711	ENST00000537095	440119	N/A	FZD10-AS1
A_22_P00009911	3,63131	3,60774	1,016471665	ENST00000428273	N/A	N/A	N/A
A_23_P9711	1,57757	1,554	1,016471665	ENST00000331351	9951	NM_006040	HS3ST4

A_22_P00007500	1,57049	1,54692	1,016471665	N/A	N/A	CR738670	Inc-GXYLT1-2
A_21_P0007858	1,52584	1,5023	1,016450529	N/A	N/A	N/A	Inc-TMEM132B-3
A_23_P74068	1,51271	1,48917	1,016450529	ENST00000263187	4438	NM_002440	MSH4
A_23_P76234	1,72484	1,7013	1,016450529	ENST00000549324	22895	NM_001143854	RPH3A
A_21_P0012354	1,48551	1,46198	1,016443483	ENST00000411511	N/A	N/A	N/A
A_33_P3289386	1,59113	1,5676	1,016443483	N/A	N/A	AK126601	N/A
A_23_P111487	8,25424	8,23071	1,016443483	ENST00000445337	51593	NM_001128853	SRRT
A_33_P3361229	1,66806	1,64454	1,016436438	ENST00000409461	144715	NM_001286536	RAD9B
A_22_P00001795	1,53971	1,51619	1,016436438	N/A	N/A	N/A	Inc-ATP6AP1L-2
A_22_P00006816	1,55573	1,53222	1,016429392	N/A	N/A	CR749394	Inc-GABRA5-1
A_22_P00006803	1,64661	1,62311	1,016422347	N/A	N/A	N/A	Inc-GABARAPL3-2
A_22_P00012400	1,57502	1,55154	1,016408257	ENST00000548124	N/A	N/A	N/A
A_21_P0009364	1,65439	1,63091	1,016408257	N/A	N/A	N/A	Inc-CD300C-2
A_22_P00021342	1,37039	1,34691	1,016408257	ENST00000449928	102723883	NR_125869	LOC102723883
A_21_P0005795	1,61623	1,59276	1,016401211	N/A	N/A	N/A	Inc-MFHAS1-2
A_23_P89727	5,66551	5,64205	1,016394166	ENST00000075430	9150	NM_048368	CTDP1
A_22_P00013255	5,74555	5,72209	1,016394166	N/A	N/A	N/A	Inc-ROPN1L-2
A_33_P3732844	1,49558	1,47212	1,016394166	ENST00000473595	101243545	NR_102265	LOC101243545
A_19_P00810982	7,14207	7,11863	1,016380076	N/A	N/A	N/A	Inc-MACROD1-1
A_23_P26184	9,47432	9,45089	1,016373031	ENST00000268148	55070	NM_017996	DET1
A_33_P3367636	1,53261	1,50918	1,016373031	ENST00000370367	154288	NM_001017361	KHDC3L
A_22_P00001937	1,59622	1,57279	1,016373031	N/A	N/A	N/A	Inc-BARHL1-1
A_33_P3313948	1,53621	1,51278	1,016373031	N/A	8462	XM_005246179	KLF11
A_21_P0009111	1,50822	1,48479	1,016373031	N/A	N/A	N/A	Inc-RP11-44L9.1.1-7
A_33_P3269919	1,51736	1,49394	1,016365986	ENST00000367759	80133	NM_025063	MROH9
A_33_P3322784	1,50066	1,47724	1,016365986	ENST00000304053	4915	NM_001018065	NTRK2
A_33_P3219942	1,55782	1,53441	1,016358941	ENST00000557313	2009	NM_001008707	EML1
A_33_P3350575	3,40609	3,38268	1,016358941	ENST00000254627	729330	NM_001080399	OC90
A_33_P3220612	12,2208	12,1974	1,016351897	ENST00000449319	23625	NM_001098784	FAM89B
A_33_P3381206	1,52762	1,50422	1,016351897	ENST00000390318	N/A	AM184015	N/A
A_22_P00005427	1,60801	1,58461	1,016351897	N/A	N/A	BC036311	Inc-DTWD2-1
A_22_P00005761	1,55658	1,53319	1,016344852	N/A	100128811	NR_027333	GPR158-AS1
A_33_P3264790	1,51541	1,49203	1,016337807	N/A	219770	BC035898	GJD4

A_21_P0007204	1,5337	1,51032	1,016337807	ENST00000524565	101928812	NR_120557	LOC101928812
A_24_P408767	1,50759	1,48421	1,016337807	ENST00000429665	339906	NM_182702	PRSS42
A_33_P3294598	1,44703	1,42366	1,016330762	ENST00000618019	57575	AK314377	PCDH10
A_21_P0007538	1,46257	1,4392	1,016330762	N/A	N/A	N/A	Inc-FAR2-1
A_21_P0011631	1,62423	1,60088	1,016316673	ENST00000440522	N/A	N/A	N/A
A_22_P00022660	1,45553	1,43218	1,016316673	N/A	100874241	NR_046693	STARD13-AS
A_22_P00006855	1,47268	1,44934	1,016309629	ENST00000554305	N/A	BQ218096	N/A
A_33_P3316440	1,61688	1,59355	1,016302584	N/A	N/A	AB020701	N/A
A_33_P3348348	1,64005	1,61673	1,01629554	ENST00000379071	646480	NM_001080526	FABP9
A_22_P00011346	4,89923	4,87592	1,016288495	N/A	N/A	N/A	Inc-OTUD7B-1
A_33_P3335124	17,1742	17,1509	1,016281451	ENST00000468126	6187	NM_002952	RPS2
A_33_P3358363	1,51133	1,48803	1,016281451	ENST00000375511	494197	NM_001009616	SPANXN5
A_22_P00009580	1,50251	1,47921	1,016281451	N/A	N/A	N/A	Inc-MAP9-2
A_22_P00010583	1,5536	1,5303	1,016281451	N/A	N/A	N/A	Inc-NDFIP2-7
A_21_P0012037	1,61644	1,59314	1,016281451	ENST00000453035	101927641	NR_110270	LOC101927641
A_21_P0005414	1,72773	1,70445	1,016267362	N/A	N/A	N/A	Inc-PIK3CG-1
A_21_P0004499	1,47966	1,45638	1,016267362	N/A	N/A	N/A	Inc-CDH6-2
A_21_P0004160	1,68129	1,65804	1,01624623	ENST00000505908	N/A	N/A	N/A
A_21_P0010100	1,50757	1,48433	1,016239186	N/A	N/A	N/A	Inc-BIRC7-1
A_21_P0002299	1,60268	1,57945	1,016232142	N/A	N/A	N/A	Inc-LYPD6-3
A_22_P00008001	1,51553	1,4923	1,016232142	ENST00000545704	N/A	N/A	N/A
A_33_P3317005	1,39486	1,37163	1,016232142	ENST00000483487	6556	NM_000578	SLC11A1
A_23_P434416	1,46596	1,44273	1,016232142	N/A	6656	NM_005986	SOX1
A_21_P0012706	1,7177	1,69448	1,016225098	N/A	101930035	N/A	LOC101930035
A_22_P00020561	1,39316	1,36994	1,016225098	ENST00000530350	N/A	N/A	N/A
A_33_P3393504	1,69544	1,67223	1,016218054	ENST00000329256	338324	AY189119	S100A7A
A_21_P0003106	1,41418	1,39097	1,016218054	N/A	N/A	N/A	Inc-NKIRAS1-3
A_23_P411814	12,3483	12,3251	1,01621101	ENST00000361564	58505	NM_021227	OSTC
A_24_P12059	1,492	1,4688	1,01621101	ENST00000360771	2993	NM_002099	GYPA
A_23_P13772	1,51378	1,49058	1,01621101	ENST00000613550	6926	NM_016569	TBX3
A_32_P58074	15,5678	15,5446	1,01621101	ENST00000484430	6189	NM_001006	RPS3A
A_22_P00016866	2,95418	2,93099	1,016203966	N/A	N/A	N/A	Inc-TRPV3-1
A_22_P00011901	1,43227	1,40908	1,016203966	N/A	N/A	N/A	Inc-PIK3CG-4

A_33_P3376546	1,50165	1,47848	1,016189879	N/A	5737	NM_001039585	PTGFR
A_22_P00008385	1,52308	1,49991	1,016189879	N/A	N/A	N/A	Inc-JMJD1C-1
A_21_P0009007	6,1191	6,09594	1,016182835	ENST00000571970	100507501	NR_039999	LINC01569
A_21_P0012149	3,79327	3,77011	1,016182835	N/A	N/A	N/A	Inc-WFDC2-1
A_21_P0004501	1,57899	1,55583	1,016182835	ENST00000514532	100861519	NR_103442	GDNF-AS1
A_21_P0000111	1,36719	1,34403	1,016182835	ENST00000535540	100431172	NM_001190765	KLRF2
A_21_P0003053	1,50349	1,48033	1,016182835	N/A	N/A	N/A	Inc-OTOL1-4
A_21_P0010227	1,56775	1,54459	1,016182835	N/A	N/A	N/A	Inc-USP16-7
A_22_P00021599	1,6461	1,62294	1,016182835	N/A	101515984	N/A	LINC01080
A_21_P0004535	1,49668	1,47353	1,016175791	N/A	N/A	N/A	Inc-CTB-78H18.1.1-1
A_21_P0006713	1,66782	1,64467	1,016175791	ENST00000448671	N/A	N/A	N/A
A_24_P413920	6,17326	6,15011	1,016175791	ENST00000497769	151354	NM_145175	FAM84A
A_23_P311713	1,59923	1,5761	1,016161704	ENST00000368585	54777	BC146900	CFAP46
A_33_P3341519	1,40126	1,37814	1,016154661	N/A	100130507	AK055470	LOC100130507
A_22_P00016416	1,58953	1,56641	1,016154661	ENST00000507627	N/A	N/A	N/A
A_24_P333857	1,65256	1,62945	1,016147617	ENST00000237247	84251	NM_032291	SGIP1
A_33_P3319810	1,61922	1,59612	1,016140574	ENST00000423981	205147	NM_152698	AMER3
A_23_P380309	1,46395	1,44085	1,016140574	ENST00000321600	284254	NM_173629	DYNAP
A_33_P3307103	1,66561	1,64251	1,016140574	ENST00000556639	N/A	BX247991	N/A
A_33_P3319785	1,38874	1,36565	1,016133531	N/A	N/A	N/A	N/A
A_22_P00007434	1,65022	1,62714	1,016126487	N/A	100128079	XR_248301	LOC100128079
A_23_P500892	1,73677	1,71369	1,016126487	ENST00000305253	7275	NM_003320	TUB
A_33_P3283679	1,52522	1,50215	1,016119444	N/A	100129717	AK296186	LOC100129717
A_22_P00017936	1,54476	1,52169	1,016119444	ENST00000514225	N/A	N/A	N/A
A_22_P00019741	1,39873	1,37567	1,016112401	N/A	N/A	AL042792	Inc-MBOAT1-5
A_19_P00317563	1,65073	1,62767	1,016112401	ENST00000618608	N/A	N/A	N/A
A_22_P00007094	1,49278	1,46972	1,016112401	ENST00000510753	N/A	N/A	N/A
A_33_P3364463	1,54647	1,52341	1,016112401	ENST00000523367	286183	NM_173688	NKAIN3
A_23_P11081	1,51309	1,49004	1,016105358	ENST00000376064	8852	NM_003886	AKAP4
A_21_P0001356	1,82622	1,80318	1,016098315	N/A	N/A	N/A	Inc-RNPC3-3
A_23_P216429	1,70817	1,68513	1,016098315	ENST00000375544	54829	NM_017680	ASPN
A_22_P00023596	1,49554	1,47251	1,016091272	ENST00000437088	N/A	N/A	N/A
A_22_P00006227	1,60365	1,58062	1,016091272	N/A	101927867	XR_241960	LOC101927867

A_21_P0003504	1,3912	1,36817	1,016091272	ENST00000509166	N/A	N/A	N/A
A_23_P301360	8,98203	8,959	1,016091272	ENST00000319286	137209	NM_152412	ZNF572
A_21_P0012449	1,72196	1,69894	1,016084229	ENST00000484892	440970	N/A	LINC00971
A_23_P217570	1,40999	1,38698	1,016077186	ENST00000324068	827	NM_014289	CAPN6
A_23_P253052	12,536	12,513	1,016070143	ENST00000613030	83692	NM_031462	CD99L2
A_33_P3376116	4,99005	4,96705	1,016070143	ENST00000423327	147841	NM_182513	SPC24
A_23_P391844	1,52517	1,50218	1,0160631	ENST00000297866	170063	NM_152632	CXorf22
A_22_P00017826	1,67565	1,65267	1,016056057	N/A	N/A	N/A	Inc-ZC3H12D-1
A_22_P00023290	1,58069	1,55771	1,016056057	N/A	101927620	NR_110062	LOC101927620
A_23_P375922	1,45048	1,42751	1,016049015	N/A	1310	NM_001858	COL19A1
A_21_P0009649	1,51318	1,49021	1,016049015	ENST00000601776	N/A	N/A	N/A
A_33_P3368879	1,65622	1,63326	1,016041972	ENST00000616739	25802	NM_012134	LMOD1
A_33_P3227736	1,61439	1,59145	1,016027887	ENST00000477984	401253	NR_027908	LINC00336
A_22_P00003097	1,5638	1,54086	1,016027887	N/A	N/A	N/A	Inc-C8orf85-1
A_21_P0011045	1,5043	1,48136	1,016027887	N/A	N/A	N/A	XLOC_l2_002952
A_24_P263653	1,52579	1,50285	1,016027887	ENST00000520836	1794	NM_004946	DOCK2
A_22_P00015401	9,28148	9,25854	1,016027887	N/A	100216545	NR_024586	KMT2E-AS1
A_21_P0001129	1,6139	1,59097	1,016020844	ENST00000455238	N/A	N/A	N/A
A_21_P0008711	1,42545	1,40254	1,016006759	N/A	N/A	N/A	Inc-ATP10A-2
A_33_P3342938	1,66934	1,64643	1,016006759	ENST00000409622	4211	AK098174	MEIS1
A_23_P169993	1,61754	1,59463	1,016006759	ENST00000286355	114	NM_001115	ADCY8
A_33_P3281537	1,64794	1,62503	1,016006759	N/A	11000	XM_005244852	SLC27A3
A_24_P97931	14,0375	14,0146	1,015999717	ENST00000493079	1460	NM_001320	CSNK2B
A_33_P3287661	12,3345	12,3116	1,015999717	N/A	N/A	AK126997	Inc-C16orf42-2
A_24_P123833	1,53173	1,50884	1,015992674	ENST00000307792	9723	NM_012431	SEMA3E
A_21_P0004283	1,52604	1,50315	1,015992674	N/A	N/A	N/A	Inc-AC011366.3.1-1
A_22_P00019937	1,69273	1,66984	1,015992674	ENST00000532680	N/A	N/A	N/A
A_22_P00008348	1,53742	1,51454	1,015985632	N/A	N/A	DB072849	Inc-ITSN2-1
A_33_P3391390	1,65969	1,63681	1,015985632	N/A	N/A	N/A	N/A
A_24_P132813	1,55471	1,53185	1,015971548	ENST00000419479	93377	NM_001040103	OPALIN
A_21_P0006768	1,63024	1,60738	1,015971548	ENST00000425902	N/A	XR_252755	N/A
A_21_P0014741	1,66909	1,64623	1,015971548	N/A	N/A	N/A	N/A
A_22_P00015683	1,5506	1,52775	1,015964506	ENST00000421232	9215	DA935254	LARGE

A_22_P00015806	1,677	1,65415	1,015964506	N/A	N/A	N/A	Inc-TASP1-3
A_21_P0004318	1,72855	1,7057	1,015964506	N/A	N/A	N/A	Inc-LSM11-5
A_33_P3394793	1,61371	1,59086	1,015964506	ENST00000611186	56241	NM_019601	SUSD2
A_22_P00016467	1,64087	1,61804	1,015950421	N/A	N/A	N/A	Inc-TMEM74B-1
A_21_P0008612	1,69872	1,67589	1,015950421	N/A	N/A	N/A	Inc-TMCO5A-1
A_22_P00006004	1,49086	1,46804	1,015943379	ENST00000570087	N/A	N/A	N/A
A_22_P00000864	1,53321	1,51039	1,015943379	N/A	N/A	BX094187	Inc-AGPS-3
A_22_P00023310	1,60371	1,5809	1,015936337	N/A	N/A	N/A	Inc-LRRC30-2
A_21_P0011864	1,64501	1,62221	1,015929296	N/A	N/A	N/A	XLOC_I2_007595
A_33_P3313323	1,73488	1,71208	1,015929296	N/A	N/A	N/A	N/A
A_24_P241057	1,57153	1,54874	1,015922254	ENST00000545205	51475	NM_016366	CABP2
A_21_P0001274	1,60897	1,58618	1,015922254	N/A	101928391	XR_241232	LOC101928391
A_21_P0009609	1,6124	1,58961	1,015922254	ENST00000254442	23335	N/A	WDR7
A_32_P129419	6,10383	6,08106	1,01590817	ENST00000558181	79664	NM_024611	ICE2
A_22_P00008211	1,4965	1,47374	1,015901128	ENST00000551202	N/A	N/A	N/A
A_21_P0014224	1,66685	1,64409	1,015901128	N/A	101929759	XR_242480	LOC101929759
A_24_P181672	7,69364	7,67089	1,015894087	ENST00000571394	146712	NM_001009905	B3GNTL1
A_21_P0000564	1,65234	1,62959	1,015894087	N/A	N/A	N/A	N/A
A_22_P00022611	3,76208	3,73934	1,015887045	N/A	N/A	N/A	Inc-NBAS-1
A_22_P00013980	1,53171	1,50898	1,015880004	ENST00000433965	100422737	N/A	LOC100422737
A_21_P0003933	1,48921	1,46648	1,015880004	N/A	100506688	NR_104614	LOC100506688
A_23_P12849	8,89262	8,8699	1,015872962	ENST00000485290	84893	NM_178150	FBXO18
A_21_P0004666	1,53263	1,50991	1,015872962	ENST00000420766	N/A	N/A	N/A
A_21_P0003020	1,62999	1,60728	1,015865921	N/A	N/A	N/A	Inc-SEC22A-1
A_23_P16006	10,4983	10,4756	1,015858879	ENST00000338230	162966	NM_198457	ZNF600
A_23_P90980	1,5693	1,5466	1,015858879	ENST00000233840	4759	NM_005383	NEU2
A_22_P00015592	5,19804	5,17534	1,015858879	N/A	N/A	N/A	Inc-STX8-2
A_21_P0000258	12,137	12,1143	1,015858879	N/A	9302	NR_002564	SNORD26
A_23_P204355	10,7648	10,7421	1,015858879	ENST00000361959	171017	NM_001135734	ZNF384
A_23_P210164	1,51975	1,49706	1,015851838	ENST00000450510	3234	NM_019558	HOXD8
A_33_P3738849	1,64649	1,6238	1,015851838	ENST00000456403	147093	NR_038442	LINC00974
A_33_P3218910	1,61219	1,5895	1,015851838	N/A	N/A	N/A	N/A
A_21_P0004096	1,67054	1,64785	1,015851838	ENST00000514788	100505625	NR_103771	LOC100505625



A_33_P3246063	1,48835	1,46567	1,015844796	N/A	N/A	N/A	N/A
A_21_P0014830	2,00718	1,98452	1,015830714	ENST00000504335	6525	AK092487	SMTN
A_21_P0005705	1,53238	1,50975	1,015809591	N/A	N/A	N/A	Inc-CLVS1-3
A_21_P0003391	1,51555	1,49293	1,015802549	ENST00000448804	N/A	N/A	N/A
A_23_P390209	1,472	1,44938	1,015802549	ENST00000390593	N/A	S75894	N/A
A_24_P832426	7,65346	7,63084	1,015802549	ENST00000343307	145173	NM_194318	B3GALTL
A_21_P0005866	1,61323	1,59062	1,015795509	N/A	N/A	N/A	Inc-MMP16-1
A_22_P00003190	3,20297	3,18036	1,015795509	N/A	100996348	NR_121633	LOC100996348
A_33_P3215282	1,59479	1,57218	1,015795509	ENST00000259750	84630	NM_032538	TTBK1
A_21_P0004572	1,51093	1,48833	1,015788468	N/A	N/A	N/A	Inc-DTWD2-3
A_22_P00005188	1,39886	1,37627	1,015781427	ENST00000446145	N/A	N/A	N/A
A_33_P3413344	1,68978	1,66719	1,015781427	ENST00000502609	N/A	N/A	N/A
A_33_P3307363	1,62275	1,60017	1,015774386	ENST00000370728	23266	NM_001297705	LPHN2
A_22_P00024240	6,07229	6,04971	1,015774386	N/A	N/A	AK057719	Inc-FPGS-1
A_21_P0011506	1,69685	1,67429	1,015760304	ENST00000501259	283856	N/A	LOC283856
A_22_P00013158	1,64438	1,62184	1,015746223	N/A	N/A	N/A	Inc-RNF111-1
A_24_P182254	1,6532	1,63067	1,015739182	ENST00000383036	266	NM_001143	AMELY
A_33_P3209185	1,60661	1,58408	1,015739182	N/A	N/A	N/A	N/A
A_33_P6472878	1,5849	1,56237	1,015739182	N/A	100874198	NR_046567	SHANK2-AS1
A_24_P255483	1,59867	1,57614	1,015739182	ENST00000509603	8844	NM_014238	KSR1
A_22_P00018556	5,36794	5,34543	1,015725101	N/A	N/A	N/A	Inc-AAAS-1
A_22_P00018885	1,61101	1,58851	1,015718061	N/A	101929384	NR_120475	LOC101929384
A_21_P0007268	1,49588	1,47338	1,015718061	ENST00000527528	N/A	N/A	N/A
A_23_P20704	1,52153	1,49903	1,015718061	ENST00000357374	3446	NM_002171	IFNA10
A_24_P935103	9,30215	9,27966	1,015711021	ENST00000294016	115	NM_001116	ADCY9
A_33_P3252003	1,59143	1,56894	1,015711021	ENST00000392664	3758	NM_153767	KCNJ1
A_24_P399230	1,38676	1,36427	1,015711021	ENST00000311378	124857	NM_175575	WFIKKN2
A_21_P0003480	1,51026	1,48778	1,01570398	ENST00000510744	N/A	N/A	N/A
A_21_P0011030	1,65585	1,63337	1,01570398	N/A	N/A	N/A	XLOC_I2_002709
A_23_P76374	1,60543	1,58295	1,01570398	ENST00000392924	50511	NM_153694	SYCP3
A_21_P0014702	6,64952	6,62705	1,01569694	N/A	102724791	XR_426874	LOC102724791
A_23_P13486	1,6715	1,64903	1,01569694	ENST00000326053	56673	NM_020643	C11orf16
A_22_P00011179	1,47777	1,4553	1,01569694	ENST00000431369	N/A	N/A	N/A

A_33_P3310709	1,55843	1,53597	1,0156899	ENST00000307002	N/A	AB529275	N/A
A_24_P314477	1,60776	1,5853	1,0156899	ENST00000473006	347733	NM_178012	TUBB2B
A_22_P00006730	1,45168	1,42923	1,015682859	ENST00000555362	N/A	N/A	N/A
A_22_P00006231	1,45519	1,43276	1,015668779	N/A	644135	XR_110175	LOC644135
A_21_P0001609	1,64494	1,62252	1,015661739	N/A	N/A	N/A	Inc-PHLDA3-2
A_21_P0003152	1,46098	1,43857	1,015654699	N/A	N/A	N/A	Inc-CBLB-7
A_24_P45451	1,60875	1,58634	1,015654699	ENST00000368057	114836	NM_052931	SLAMF6
A_23_P113523	12,7354	12,713	1,015647659	ENST00000326153	8225	NM_012227	GTPBP6
A_22_P00015839	1,60144	1,57904	1,015647659	N/A	101927142	NR_110213	LOC101927142
A_24_P160225	1,36691	1,34453	1,015633579	ENST00000377934	79742	NM_024689	CXorf36
A_22_P00019396	1,59796	1,57558	1,015633579	N/A	N/A	BG213039	Inc-RPS27A-1
A_22_P00013737	1,57819	1,55581	1,015633579	ENST00000560195	101927332	NR_120325	LINC01582
A_24_P358305	8,22729	8,20492	1,01562654	ENST00000520239	N/A	N/A	N/A
A_22_P00019261	1,64104	1,61868	1,0156195	ENST00000439745	N/A	N/A	N/A
A_21_P0000381	5,53638	5,51402	1,0156195	N/A	692110	NR_003058	SNORD70
A_21_P0010658	1,60708	1,58473	1,01561246	ENST00000449287	83416	NM_001195388	FCRL5
A_22_P00022119	1,51175	1,4894	1,01561246	N/A	N/A	N/A	Inc-KCTD3-1
A_22_P00020171	1,668	1,64566	1,01560542	N/A	104355219	NR_126425	LHX5-AS1
A_33_P3213392	6,06652	6,04419	1,015598381	ENST00000375713	N/A	N/A	N/A
A_21_P0014475	1,52665	1,50433	1,015591341	N/A	N/A	XM_005264776	Inc-C3orf38-2
A_22_P00025210	1,41894	1,39662	1,015591341	ENST00000515805	N/A	N/A	N/A
A_24_P252945	1,51946	1,49715	1,015584302	ENST00000292174	643	NM_032966	CXCR5
A_23_P7727	1,4524	1,43009	1,015584302	ENST00000274341	1404	NM_001884	HAPLN1
A_21_P0003781	1,46346	1,44116	1,015577262	N/A	N/A	N/A	Inc-ZNF827-7
A_22_P00021483	1,46972	1,44742	1,015577262	N/A	N/A	N/A	Inc-FKBP3-2
A_33_P3223964	1,59247	1,57019	1,015563183	ENST00000428055	N/A	AF533986	N/A
A_33_P3269539	1,52342	1,50114	1,015563183	ENST00000397763	1292	NM_058174	COL6A2
A_21_P0004609	1,48522	1,46294	1,015563183	N/A	N/A	N/A	Inc-MRPS18A-2
A_21_P0006282	1,49275	1,47047	1,015563183	ENST00000566873	101927450	NR_109771	LOC101927450
A_22_P00000249	1,47741	1,45513	1,015563183	ENST00000444158	101927914	N/A	LOC101927914
A_22_P00009131	1,64237	1,6201	1,015556144	ENST00000581212	56651	NR_023925	LINC00470
A_22_P00014040	1,48406	1,46179	1,015556144	N/A	N/A	AF075087	Inc-S1PR1-1
A_21_P0011247	1,39601	1,37374	1,015556144	N/A	N/A	N/A	XLOC_I2_004208

A_33_P3311210	1,67067	1,64841	1,015549105	ENST00000343035	390259	NM_001098169	BSX
A_21_P0011248	1,56136	1,5391	1,015549105	ENST00000254271	341883	NR_075071	LRRRC9
A_22_P00016170	6,71976	6,69751	1,015542066	ENST00000560076	55802	NM_001290207	DCP1A
A_21_P0010114	1,53469	1,51244	1,015542066	N/A	N/A	N/A	Inc-THBD-1
A_32_P5568	1,596	1,57375	1,015542066	N/A	101929154	N/A	LOC101929154
A_22_P00018799	1,57723	1,55498	1,015542066	ENST00000602179	284348	AK131520	LYPD5
A_33_P3358005	1,58689	1,56464	1,015542066	ENST00000590427	102725407	XR_108436	LOC102725407
A_24_P336510	1,55164	1,5294	1,015535026	ENST00000480960	3078	NM_002113	CFHR1
A_22_P00010441	1,64803	1,62579	1,015535026	N/A	N/A	N/A	Inc-NAA30-2
A_23_P216307	1,62114	1,5989	1,015535026	ENST00000422361	862	NM_004349	RUNX1T1
A_33_P3419885	1,36772	1,34551	1,015513909	ENST00000253362	140683	NM_080574	BPIFA2
A_23_P58877	10,3438	10,3216	1,01550687	ENST00000535237	57120	NM_020399	GOPC
A_21_P0012433	1,68761	1,66541	1,01550687	ENST00000452244	101927347	N/A	GRM7-AS3
A_21_P0004829	1,42382	1,40165	1,015485754	N/A	N/A	N/A	Inc-LY86-5
A_22_P00006450	1,47218	1,45001	1,015485754	ENST00000504957	N/A	N/A	N/A
A_22_P00005355	1,50768	1,48551	1,015485754	ENST00000602672	N/A	N/A	N/A
A_21_P0007479	1,70865	1,68649	1,015478715	ENST00000547179	283432	NR_033855	LINC00485
A_22_P00002474	1,58979	1,56764	1,015471676	ENST00000560203	N/A	N/A	N/A
A_24_P940365	1,50375	1,4816	1,015471676	ENST00000409122	284071	NM_001145080	C17orf104
A_21_P0006197	1,51054	1,48839	1,015471676	N/A	N/A	N/A	Inc-SMC2-1
A_21_P0006119	1,63337	1,61122	1,015471676	N/A	102723803	N/A	LOC102723803
A_21_P0005562	1,50401	1,48188	1,015457599	N/A	N/A	N/A	Inc-SUMF2-1
A_22_P00010981	1,55222	1,53009	1,015457599	ENST00000559615	N/A	BX161431	N/A
A_21_P0001215	1,66968	1,64755	1,015457599	N/A	N/A	N/A	Inc-C1orf186-2
A_33_P3317508	1,5294	1,50728	1,01545056	ENST00000309926	344561	NM_207364	GPR148
A_23_P11201	1,54849	1,52637	1,01545056	ENST00000620846	2857	NM_001097579	GPR34
A_22_P00011913	3,93349	3,91137	1,01545056	N/A	N/A	CR749652	Inc-PINK1-2
A_33_P3319486	1,60072	1,5786	1,01545056	N/A	N/A	N/A	N/A
A_21_P0009911	1,51252	1,49042	1,015436483	ENST00000416237	N/A	N/A	N/A
A_21_P0006252	1,37685	1,35475	1,015436483	N/A	N/A	N/A	Inc-C9orf123-2
A_21_P0012230	1,57987	1,55777	1,015436483	ENST00000452028	N/A	N/A	N/A
A_22_P00021625	1,50683	1,48473	1,015436483	ENST00000504244	N/A	N/A	N/A
A_21_P0005966	1,45915	1,43707	1,015422406	N/A	N/A	N/A	Inc-PENK-1

A_22_P00003554	1,4917	1,46963	1,015415368	ENST00000515860	N/A	N/A	N/A
A_22_P00021543	1,36587	1,3438	1,015415368	ENST00000544515	N/A	DA157340	N/A
A_21_P0010939	1,41185	1,38978	1,015415368	ENST00000296422	150159	NM_139173	SLC9B1
A_21_P0011748	1,65384	1,63179	1,015401291	ENST00000434624	N/A	N/A	N/A
A_19_P00804922	4,25149	4,22946	1,015387215	N/A	N/A	N/A	Inc-OSTC-2
A_21_P0003174	1,452	1,42999	1,015373139	N/A	N/A	N/A	Inc-TMCC1-4
A_33_P3218699	1,61431	1,5923	1,015373139	ENST00000374412	130752	NM_001039845	MDH1B
A_23_P106505	9,98956	9,96756	1,015366101	ENST00000305641	9836	NM_014793	LCMT2
A_33_P3316602	1,60766	1,58566	1,015366101	ENST00000562818	388276	NM_001242473	C16orf97
A_21_P0007543	1,52706	1,50506	1,015366101	N/A	N/A	N/A	Inc-PPHLN1-3
A_21_P0002767	1,51386	1,49186	1,015366101	ENST00000512435	N/A	XR_171034	N/A
A_22_P00017873	1,49788	1,47588	1,015366101	N/A	N/A	BM699518	Inc-ZDHHC6-4
A_22_P00008180	1,3944	1,37241	1,015359063	N/A	N/A	N/A	Inc-INPPL1-4
A_24_P168581	1,55617	1,53418	1,015359063	ENST00000481768	2778	NM_001077490	GNAS
A_33_P3317925	1,45617	1,43418	1,015359063	ENST00000382828	100151643	NR_023342	KRTAP20-4
A_33_P3410351	1,5579	1,53592	1,015352025	ENST00000476040	2946	NM_000848	GSTM2
A_23_P146539	1,39311	1,37113	1,015352025	ENST00000380205	3445	NM_002170	IFNA8
A_22_P00007923	1,48117	1,45919	1,015352025	N/A	N/A	BG211230	Inc-HSPH1-3
A_21_P0001584	1,63134	1,60936	1,015352025	N/A	N/A	N/A	Inc-ARHGEF11-1
A_22_P00020356	1,59225	1,57028	1,015344987	ENST00000553487	N/A	AL832767	N/A
A_22_P00023837	1,59393	1,57197	1,015337949	N/A	339468	N/A	LOC339468
A_21_P0009106	1,56207	1,54013	1,015323874	N/A	N/A	N/A	Inc-MT1A-1
A_24_P827037	1,47365	1,45171	1,015323874	ENST00000347624	131578	NM_130830	LRRC15
A_33_P3235900	1,49832	1,47639	1,015316836	N/A	100129520	NM_001195272	LOC100129520
A_24_P304423	1,46249	1,44056	1,015316836	ENST00000307046	3479	NM_000618	IGF1
A_22_P00023759	1,59792	1,57599	1,015316836	ENST00000583497	N/A	N/A	N/A
A_33_P3212709	1,46561	1,44369	1,015309799	ENST00000421257	N/A	N/A	N/A
A_33_P3221408	1,72153	1,69962	1,015302761	ENST00000370071	22854	NM_001113226	NTNG1
A_24_P45620	1,61078	1,58887	1,015302761	ENST00000054668	10911	NM_021995	UTS2
A_22_P00002663	1,48033	1,45842	1,015302761	N/A	N/A	N/A	Inc-C1orf204-1
A_21_P0005598	1,47788	1,45598	1,015295723	N/A	100506236	XR_108752	LOC100506236
A_21_P0012681	1,60941	1,58751	1,015295723	ENST00000505874	641365	NR_037866	LINC00616
A_23_P216712	1,54188	1,51998	1,015295723	ENST00000360774	140803	NM_017662	TRPM6

A_33_P3248152	1,59678	1,57489	1,015288686	ENST00000485564	270	NM_000036	AMPD1
A_33_P3302191	1,48172	1,45983	1,015288686	ENST00000373735	29119	NM_013266	CTNNA3
A_21_P0009279	1,60176	1,57987	1,015288686	N/A	N/A	N/A	Inc-SEPT9-3
A_33_P3350420	1,60307	1,58118	1,015288686	ENST00000509231	340562	NM_001012980	SATL1
A_23_P16022	1,50092	1,47904	1,015281649	ENST00000282308	10172	NM_005773	ZNF256
A_24_P838483	1,60971	1,58783	1,015281649	ENST00000397833	338809	NM_001037671	C12orf74
A_22_P00016464	1,37791	1,35603	1,015281649	N/A	N/A	BG214420	Inc-TMEM71-1
A_33_P3422253	1,50948	1,4876	1,015281649	N/A	102724233	XR_425408	LOC102724233
A_33_P3418952	1,50566	1,48379	1,015274611	N/A	158866	NM_001146257	ZDHC15
A_21_P0005766	1,62206	1,6002	1,015267574	N/A	N/A	N/A	Inc-KHDRBS3-5
A_23_P414352	1,60632	1,58447	1,015260537	ENST00000370624	439927	NR_027379	LINC01555
A_22_P00005631	1,48429	1,46244	1,015260537	N/A	N/A	N/A	Inc-EID1-3
A_22_P00018353	1,70311	1,68127	1,015253499	N/A	N/A	N/A	Inc-ZSWIM2-1
A_22_P00014934	1,4117	1,38986	1,015253499	ENST00000430214	N/A	DA988876	N/A
A_21_P0008875	1,41629	1,39446	1,015246462	ENST00000624327	N/A	N/A	N/A
A_23_P64070	3,3744	3,35259	1,015232388	ENST00000526898	283130	NM_182556	SLC25A45
A_22_P00018077	5,72357	5,70176	1,015232388	ENST00000568976	N/A	AF146695	N/A
A_22_P00024493	1,47626	1,45446	1,015225351	ENST00000439878	N/A	N/A	N/A
A_23_P77779	17,8494	17,8276	1,015225351	ENST00000225430	6143	NM_000981	RPL19
A_33_P3264419	11,6519	11,6301	1,015225351	ENST00000539294	253943	NM_001277813	YTHDF3
A_33_P3308147	1,67198	1,6502	1,015211277	N/A	N/A	N/A	N/A
A_23_P420281	1,4411	1,41932	1,015211277	ENST00000303531	5579	NM_002738	PRKCB
A_33_P3348079	1,60756	1,58579	1,01520424	N/A	N/A	N/A	N/A
A_33_P3362005	1,49373	1,47196	1,01520424	ENST00000548136	130075	NM_001001656	OR9A4
A_21_P0000309	5,52982	5,50805	1,01520424	N/A	677799	NR_002953	SNORA11
A_22_P00008871	3,05749	3,03573	1,015197203	N/A	101929679	NR_120366	LOC101929679
A_33_P3365760	1,67601	1,65426	1,015190167	ENST00000396225	26228	NM_012108	STAP1
A_21_P0004351	1,48709	1,46535	1,01518313	N/A	N/A	N/A	Inc-SLC12A7-3
A_33_P3270104	1,50142	1,47968	1,01518313	ENST00000368596	221301	NM_001256887	FAM26D
A_33_P3419696	1,62225	1,60051	1,01518313	ENST00000614010	2247	NM_002006	FGF2
A_23_P108546	1,48728	1,46554	1,01518313	ENST00000444841	5969	NR_002714	REG1P
A_22_P00021311	1,787	1,76527	1,015176093	N/A	N/A	N/A	Inc-WISP3-3
A_24_P791669	1,51129	1,48956	1,015176093	ENST00000444149	345462	NM_001136116	ZNF879

A_21_P0007437	8,85971	8,83798	1,015176093	ENST00000506329	101927495	NR_110189	LOC101927495
A_22_P00013474	6,55429	6,53256	1,015176093	ENST00000570245	102724940	N/A	LOC102724940
A_33_P3386746	1,49084	1,46913	1,01516202	ENST00000454679	340895	NM_001142308	MALRD1
A_22_P00007604	1,36363	1,34192	1,01516202	N/A	N/A	N/A	Inc-HDLBP-1
A_21_P0013208	1,51816	1,49646	1,015154983	N/A	N/A	N/A	XLOC_I2_013436
A_21_P0010967	1,58518	1,56348	1,015154983	ENST00000513853	N/A	N/A	N/A
A_22_P00019639	5,6377	5,616	1,015154983	N/A	100507308	NR_109982	TARID
A_23_P141194	13,7082	13,6865	1,015154983	ENST00000301585	3396	NM_001545	ICT1
A_22_P00016143	1,58025	1,55856	1,015147947	N/A	N/A	AA431122	Inc-TIMM9-1
A_21_P0003369	1,60742	1,58573	1,015147947	ENST00000508135	N/A	N/A	N/A
A_22_P00021511	1,60474	1,58306	1,01514091	ENST00000518261	114786	N/A	XKR4
A_21_P0004364	1,49617	1,47449	1,01514091	N/A	N/A	N/A	Inc-DNAH5-2
A_23_P119835	1,49812	1,47644	1,01514091	ENST00000404025	58484	NM_021209	NLRC4
A_23_P68219	1,4478	1,42613	1,015133874	ENST00000360870	7273	NM_133379	TTN
A_33_P3872074	1,64198	1,62032	1,015126838	N/A	N/A	BC034958	Inc-AQP9-1
A_24_P943370	1,49739	1,47573	1,015126838	ENST00000619375	2543	NM_001040663	GAGE1
A_22_P00023017	1,63255	1,61089	1,015126838	N/A	N/A	N/A	Inc-C5orf49-1
A_21_P0009181	1,64379	1,62214	1,015119801	ENST00000591283	100507351	NR_040050	LOC100507351
A_33_P3370449	1,38821	1,36657	1,015112765	ENST00000307599	137362	NM_152413	GOT1L1
A_33_P3293511	1,51138	1,48975	1,015105729	ENST00000496839	84960	NM_001039374	CCDC183
A_23_P361405	8,90273	8,88111	1,015098693	ENST00000336307	8372	NM_003549	HYAL3
A_33_P3329448	1,6087	1,58708	1,015098693	N/A	730198	N/A	MEIS1-AS3
A_23_P136589	1,60135	1,57973	1,015098693	ENST00000362005	676	NM_207189	BRDT
A_21_P0008315	1,51399	1,49238	1,015091657	N/A	N/A	N/A	Inc-RP11-187E13.1.1-1
A_21_P0006524	1,47925	1,45765	1,015084621	ENST00000440430	N/A	N/A	N/A
A_22_P00021762	1,50737	1,48577	1,015084621	ENST00000507145	100874047	N/A	LINC00499
A_22_P00002827	1,60517	1,58357	1,015084621	N/A	N/A	N/A	Inc-C2orf69-4
A_21_P0008985	1,71417	1,69257	1,015084621	N/A	N/A	N/A	Inc-IRF8-2
A_21_P0009230	1,53976	1,51816	1,015084621	N/A	N/A	N/A	Inc-KCNJ12-5
A_33_P3335645	1,55308	1,53148	1,015084621	N/A	N/A	N/A	N/A
A_23_P169887	11,9603	11,9387	1,015084621	ENST00000359541	2976	NM_001521	GTF3C2
A_33_P3521643	13,2807	13,2591	1,015084621	ENST00000591938	54776	NM_001271618	PPP1R12C
A_21_P0008777	1,57326	1,55167	1,015077585	N/A	N/A	N/A	Inc-POLG-1

A_22_P00011966	1,64457	1,62298	1,015077585	N/A	N/A	N/A	Inc-PKP4-2
A_22_P00015569	1,60873	1,58715	1,015070549	N/A	N/A	N/A	Inc-STRN3-1
A_22_P00020143	1,40262	1,38106	1,015056477	N/A	N/A	N/A	Inc-OIT3-1
A_21_P0002366	1,37609	1,35453	1,015056477	N/A	N/A	N/A	Inc-MRPL44-1
A_23_P55020	1,52644	1,50489	1,015049441	ENST00000326165	146722	NM_139018	CD300LF
A_23_P320216	1,41698	1,39543	1,015049441	ENST00000375478	54827	NM_001077639	NXPE4
A_21_P0004991	1,6454	1,62386	1,015042405	N/A	N/A	N/A	Inc-PXDC1-2
A_21_P0003982	1,45727	1,43573	1,015042405	ENST00000507693	340113	NR_033832	LOC340113
A_33_P3229943	1,52473	1,50319	1,015042405	ENST00000435682	645949	NR_038837	LOC645949
A_33_P3285420	1,56764	1,54611	1,01503537	ENST00000508201	340094	NR_026994	LINC01020
A_22_P00008791	1,55561	1,53408	1,01503537	N/A	101928650	NR_125958	LOC101928650
A_21_P0013173	1,70661	1,6851	1,015021298	N/A	N/A	N/A	XLOC_I2_013282
A_22_P00002420	1,61289	1,59139	1,015014263	ENST00000548775	102724917	CF593422	LOC102724917
A_24_P332230	11,3057	11,2842	1,015014263	ENST00000505216	51574	NM_016648	LARP7
A_23_P211445	12,5694	12,5479	1,015014263	ENST00000333611	3985	NM_016733	LIMK2
A_32_P35512	12,8029	12,7814	1,015014263	ENST00000420252	6741	NM_003142	SSB
A_32_P70203	1,49115	1,46966	1,015007227	ENST00000446136	284593	NR_027055	FAM41C
A_24_P209171	7,63942	7,61794	1,015000192	ENST00000369838	83699	NM_031469	SH3BGRL2
A_21_P0014044	1,64589	1,62444	1,014979086	N/A	N/A	N/A	Inc-BMP7-1
A_22_P00013869	1,62733	1,60588	1,014979086	ENST00000425365	N/A	N/A	N/A
A_33_P3209806	1,48262	1,46117	1,014979086	ENST00000617752	81472	NM_198074	OR2C3
A_22_P00002618	5,35966	5,33822	1,01497205	N/A	N/A	N/A	Inc-C1orf123-1
A_33_P3283271	1,61901	1,59757	1,01497205	ENST00000454719	100130849	NR_038450	LOC100130849
A_33_P3363732	1,72236	1,70094	1,01495798	ENST00000327157	58531	NM_021247	PRM3
A_33_P3395595	1,52443	1,50302	1,014950945	ENST00000395963	10803	NM_001256369	CCR9
A_21_P0002422	1,52288	1,50147	1,014950945	ENST00000413792	101929559	NR_110011	LINC00211
A_21_P0006179	1,67223	1,65082	1,014950945	N/A	N/A	N/A	Inc-SYK-1
A_33_P3748694	1,57854	1,55713	1,014950945	N/A	285819	NR_038992	LOC285819
A_21_P0005283	1,4531	1,43169	1,014950945	ENST00000456809	N/A	N/A	N/A
A_23_P44166	12,4219	12,4005	1,01494391	ENST00000578273	51181	NM_016286	DCXR
A_33_P3267769	1,57558	1,55418	1,01494391	ENST00000320002	81469	NM_001001914	OR2G3
A_33_P3270267	1,59852	1,57712	1,01494391	ENST00000442027	645030	NR_104180	NFIA-AS1
A_23_P207940	11,8014	11,78	1,01494391	N/A	N/A	AK091525	N/A

A_23_P170378	1,48125	1,45987	1,01492984	ENST00000423102	5369	NR_003921	PMCHL1
A_33_P3376493	1,57995	1,55858	1,014922805	ENST00000371906	186	NM_000686	AGTR2
A_33_P3308476	1,46606	1,4447	1,01491577	ENST00000444565	94026	NM_033482	POM121L2
A_22_P00013135	1,42276	1,40142	1,0149017	ENST00000413502	N/A	DB043555	N/A
A_22_P00011713	1,38861	1,36728	1,014894666	N/A	N/A	N/A	Inc-PDZD9-1
A_33_P3420386	1,551	1,52969	1,014880596	N/A	N/A	N/A	N/A
A_33_P3364278	1,48553	1,46424	1,014866527	ENST00000602462	N/A	N/A	N/A
A_21_P0006588	1,5694	1,54812	1,014859493	ENST00000444263	100873962	N/A	LINC00278
A_33_P3412838	1,54628	1,525	1,014859493	ENST00000557312	348120	NR_040094	LINC01193
A_33_P3357421	3,09418	3,07291	1,014852458	ENST00000568091	N/A	XM_005275767	N/A
A_21_P0012403	1,51503	1,49377	1,014845424	N/A	N/A	N/A	XLOC_I2_009899
A_21_P0000104	1,60358	1,58233	1,014838389	ENST00000399974	100463285	NM_001190476	MTRNR2L4
A_21_P0011145	1,51304	1,49179	1,014838389	N/A	N/A	N/A	XLOC_I2_003737
A_22_P00015765	1,55872	1,53749	1,014824321	ENST00000435973	101927504	XR_247091	LOC101927504
A_21_P0003481	1,56219	1,54096	1,014824321	ENST00000513871	N/A	N/A	N/A
A_33_P3268892	1,54841	1,52719	1,014817287	ENST00000326524	2668	NM_001190468	GDNF
A_21_P0007593	1,57095	1,54973	1,014817287	ENST00000548963	N/A	N/A	N/A
A_21_P0013845	1,56424	1,54302	1,014817287	ENST00000446028	N/A	N/A	N/A
A_24_P21044	12,6526	12,6314	1,014803218	ENST00000252329	84262	NM_032302	PSMG3
A_33_P3216372	10,2189	10,1977	1,014803218	ENST00000504477	10788	NM_006633	IQGAP2
A_22_P00018035	1,64392	1,62273	1,014796184	N/A	N/A	AL565086	Inc-ZNF236-1
A_21_P0002420	1,47253	1,45134	1,014796184	N/A	101929477	XR_244982	LOC101929477
A_33_P3801477	1,47941	1,45823	1,01478915	N/A	677819	AW835571	SNORA37
A_21_P0000985	1,5036	1,48242	1,01478915	ENST00000415686	101927295	N/A	LINC01360
A_33_P3311200	1,50713	1,48596	1,014782116	ENST00000380229	3467	NM_002177	IFNW1
A_33_P3311820	1,94898	1,92782	1,014775082	N/A	400535	AK128747	FLJ44674
A_33_P3314521	1,6103	1,58915	1,014768049	ENST00000540952	646851	XM_006724294	FAM227A
A_22_P00025080	1,47709	1,45594	1,014768049	N/A	N/A	N/A	Inc-ENPP2-1
A_22_P00020419	1,60679	1,58564	1,014768049	ENST00000438566	N/A	N/A	N/A
A_23_P432005	2,03293	2,01178	1,014768049	ENST00000303254	200523	NM_152670	TEX37
A_21_P0014706	1,4922	1,47107	1,014753981	N/A	101060385	XR_112271	LOC101060385
A_21_P0003498	1,60277	1,58167	1,01473288	ENST00000507299	N/A	N/A	N/A
A_33_P3414187	1,58635	1,56525	1,01473288	ENST00000329773	117194	BC063450	MRGPRX2



A_33_P3229012	5,56961	5,54851	1,01473288	N/A	N/A	N/A	N/A
A_21_P0002292	1,40385	1,38276	1,014725846	ENST00000325390	440905	N/A	FAR2P1
A_21_P0013771	9,66071	9,63963	1,014718813	N/A	N/A	N/A	XLOC_I2_015561
A_21_P0000872	1,60168	1,5806	1,014718813	N/A	100506050	N/A	LINC01005
A_33_P3227047	1,62503	1,60395	1,014718813	ENST00000570227	N/A	N/A	N/A
A_22_P00010914	1,4099	1,38883	1,01471178	N/A	101928081	XR_244745	LOC101928081
A_23_P75283	5,80991	5,78884	1,01471178	ENST00000615669	5950	NM_006744	RBP4
A_22_P00007552	1,55784	1,53678	1,014704746	ENST00000561358	N/A	N/A	N/A
A_22_P00005753	1,73663	1,71559	1,014690679	ENST00000507781	104310351	N/A	LINC01331
A_33_P6467512	1,62988	1,60885	1,014683646	N/A	100507171	NR_045634	BOLA3-AS1
A_21_P0002418	1,51875	1,49772	1,014683646	N/A	N/A	N/A	Inc-CAPN13-2
A_23_P323272	1,47021	1,44918	1,014683646	ENST00000272223	130497	NM_145260	OSR1
A_22_P00002331	1,95831	1,93729	1,014676613	ENST00000530102	101928536	N/A	LINC01493
A_33_P3303865	8,72967	8,70866	1,01466958	ENST00000477084	54954	NM_198456	FAM120C
A_33_P3381613	3,36484	3,34383	1,01466958	N/A	N/A	N/A	N/A
A_22_P00024753	1,59111	1,5701	1,01466958	N/A	100873977	NR_046556	RBMS3-AS1
A_22_P00006417	1,53348	1,51248	1,014662547	ENST00000522989	N/A	N/A	N/A
A_32_P32413	9,14814	9,12714	1,014662547	ENST00000282030	26040	NM_015559	SETBP1
A_33_P3299829	13,5832	13,5622	1,014662547	ENST00000215587	5434	NM_002695	POLR2E
A_21_P0000425	1,49412	1,47313	1,014655514	N/A	767609	NR_003221	SNORD114-28
A_33_P3543288	1,52486	1,50389	1,014641447	ENST00000441895	440446	NR_122104	LOC440446
A_21_P0009746	1,60291	1,58194	1,014641447	N/A	N/A	N/A	Inc-ZNF724P-2
A_24_P202522	1,4464	1,42543	1,014641447	ENST00000383168	361	NM_001650	AQP4
A_24_P349039	3,31965	3,29869	1,014634415	ENST00000264245	57514	NM_020754	ARHGAP31
A_22_P00004961	1,52796	1,50702	1,014620349	N/A	N/A	N/A	Inc-DCLK3-2
A_22_P00005838	1,64229	1,62135	1,014620349	ENST00000440379	400867	N/A	LOC400867
A_21_P0000863	1,39322	1,37229	1,014613316	N/A	100507470	NR_038986	GRID1-AS1
A_22_P00007450	1,6321	1,61118	1,014606283	N/A	100873939	NR_046622	LNK1-AS1
A_33_P3263217	1,5928	1,57188	1,014606283	ENST00000249363	64101	NM_022143	LRRC4
A_24_P304311	1,59457	1,57365	1,014606283	ENST00000451262	9376	NM_004254	SLC22A8
A_33_P3287967	1,77952	1,75861	1,014599251	ENST00000394537	287	NM_001148	ANK2
A_21_P0012624	1,48098	1,46007	1,014599251	N/A	N/A	N/A	XLOC_I2_010880
A_21_P0011314	11,5532	11,5323	1,014592218	N/A	100505573	N/A	INAFM2

A_21_P0000873	1,48862	1,46772	1,014592218	N/A	100506050	NR_039987	LINC01005
A_22_P00008906	1,50266	1,48177	1,014585185	N/A	N/A	N/A	Inc-KLHL36-2
A_21_P0008449	1,36704	1,34615	1,014585185	N/A	N/A	N/A	Inc-MAX-2
A_23_P30358	1,70746	1,68657	1,014585185	ENST00000274710	84249	NM_032289	PSD2
A_22_P00009002	1,60604	1,58515	1,014585185	ENST00000423712	N/A	N/A	N/A
A_23_P205348	1,48206	1,46119	1,01457112	ENST00000467865	27004	NR_028288	TCL6
A_33_P3405491	3,75177	3,7309	1,01457112	N/A	387535	AY465895	HCRP1
A_22_P00006312	1,62298	1,60212	1,014564088	N/A	101926950	XR_253491	LINC01570
A_22_P00004575	1,39387	1,37302	1,014557055	ENST00000430468	N/A	N/A	N/A
A_22_P00005069	1,60312	1,58228	1,014550023	ENST00000439878	N/A	N/A	N/A
A_24_P299355	2,1085	2,08766	1,014550023	ENST00000344415	400581	NM_001129778	GRAPL
A_22_P00009304	2,77017	2,74934	1,014542991	N/A	N/A	N/A	Inc-LRRC40-1
A_22_P00008003	1,4778	1,45698	1,014535959	N/A	N/A	N/A	Inc-IFNAR2-1
A_21_P0008702	1,59007	1,56925	1,014535959	N/A	N/A	N/A	Inc-LRRK1-3
A_21_P0003034	1,59956	1,57874	1,014535959	N/A	N/A	N/A	Inc-UBA5-1
A_22_P00004273	1,49583	1,47502	1,014528926	N/A	N/A	N/A	Inc-CNIH-1
A_22_P00004983	1,60326	1,58245	1,014528926	N/A	90768	XR_244768	LOC90768
A_33_P3226600	14,7749	14,7541	1,014521894	ENST00000355091	8733	NM_003801	GPAA1
A_24_P289648	1,37141	1,35061	1,014521894	ENST00000352392	3077	NM_139011	HFE
A_21_P0004414	1,44475	1,42395	1,014521894	N/A	N/A	N/A	Inc-ENC1-3
A_21_P0003254	1,49452	1,47372	1,014521894	N/A	N/A	N/A	Inc-P2RY1-3
A_22_P00014579	1,45644	1,43565	1,014514862	N/A	N/A	N/A	Inc-SLAMF7-1
A_22_P00001598	9,71926	9,69848	1,01450783	ENST00000530792	N/A	N/A	N/A
A_22_P00025364	1,72803	1,70726	1,014500798	N/A	N/A	N/A	Inc-MBOAT1-4
A_21_P0005938	1,53319	1,51242	1,014500798	N/A	N/A	N/A	Inc-RP11-32K4.2.1-2
A_22_P00016773	1,59763	1,57689	1,014479702	N/A	N/A	N/A	Inc-TRIM41-1
A_19_P00321414	1,57856	1,55782	1,014479702	ENST00000515769	285419	NR_027106	LINC01091
A_21_P0001488	1,49958	1,47884	1,014479702	N/A	N/A	N/A	Inc-FABP3-2
A_33_P3702350	1,5828	1,56207	1,014472671	ENST00000621134	339822	NR_033880	LINC01115
A_22_P00019746	1,95852	1,9378	1,014465639	N/A	N/A	N/A	Inc-KIAA0564-1
A_21_P0009156	1,6089	1,58818	1,014465639	ENST00000569074	101928165	NR_104152	CASC17
A_21_P0004650	1,36457	1,34385	1,014465639	N/A	N/A	N/A	Inc-DAAM2-3
A_22_P00023132	1,61477	1,59406	1,014458607	ENST00000436932	101927692	NR_120628	LOC101927692

A_33_P3222469	1,60212	1,58141	1,014458607	ENST00000315693	390433	NM_001004714	OR4K13
A_23_P166333	11,6603	11,6396	1,014451575	ENST00000263202	7353	NM_005659	UFD1L
A_21_P0006031	1,55917	1,53849	1,014437512	ENST00000443771	101928014	N/A	LOC101928014
A_33_P3423650	1,64396	1,62329	1,014430481	N/A	N/A	DB033244	N/A
A_33_P3250745	1,49028	1,46961	1,014430481	ENST00000441525	139425	NM_001017930	DCAF8L1
A_22_P00021837	1,39102	1,37036	1,014423449	N/A	N/A	BM923864	Inc-AGMAT-2
A_21_P0008792	1,47992	1,45928	1,014409386	N/A	N/A	N/A	Inc-RP11-82110.1.1-12
A_21_P0007984	1,57968	1,55904	1,014409386	ENST00000416261	N/A	N/A	N/A
A_21_P0007457	1,60451	1,58388	1,014402355	N/A	N/A	N/A	Inc-NLRP10-1
A_22_P00016160	1,59881	1,57818	1,014402355	ENST00000421447	N/A	BX114071	N/A
A_21_P0010382	5,70252	5,6819	1,014395324	ENST00000440858	N/A	N/A	N/A
A_33_P3285540	1,72992	1,70931	1,014388293	ENST00000413119	7122	NM_001130861	CLDN5
A_22_P00021157	1,45459	1,43398	1,014388293	N/A	N/A	N/A	Inc-SSTR2-1
A_23_P118633	10,5044	10,4838	1,014381261	ENST00000504334	64847	NM_022827	SPATA20
A_23_P393163	1,40457	1,38397	1,014381261	ENST00000409273	129446	NM_152381	XIRP2
A_21_P0008016	1,50151	1,48091	1,014381261	N/A	N/A	N/A	Inc-ABCC4-1
A_32_P797019	1,60194	1,58134	1,014381261	ENST00000532531	N/A	XR_158947	N/A
A_21_P0001426	3,45451	3,43392	1,01437423	N/A	N/A	N/A	Inc-DISP1-3
A_21_P0006067	1,46031	1,43973	1,014367199	ENST00000437471	N/A	N/A	N/A
A_21_P0014655	1,52169	1,50112	1,014360168	N/A	101927828	NR_108085	OVOL1-AS1
A_24_P357726	4,08936	4,06879	1,014360168	ENST00000478387	440533	NM_182707	PSG8
A_23_P134340	1,66356	1,643	1,014353137	ENST00000611245	63974	NM_022728	NEUROD6
A_33_P3243524	1,57616	1,55561	1,014346106	N/A	51735	NM_001164389	RAPGEF6
A_33_P3278571	1,51048	1,48993	1,014346106	ENST00000616812	79917	XR_430508	MAGIX
A_24_P333635	1,60623	1,58569	1,014339075	ENST00000370640	414157	NM_001009997	C10orf62
A_24_P498652	1,4854	1,46486	1,014339075	ENST00000382545	3736	NM_000217	KCNA1
A_22_P00022666	1,41594	1,39541	1,014332044	N/A	N/A	GD258169	Inc-H2AFJ-1
A_22_P00021779	7,80925	7,78872	1,014332044	N/A	N/A	N/A	Inc-C16orf42-1
A_22_P00003229	5,47757	5,45704	1,014332044	N/A	N/A	N/A	Inc-CACNG5-1
A_23_P24469	1,55259	1,53208	1,014317983	ENST00000533783	8048	NM_003476	CSRP3
A_21_P0012703	4,48773	4,46723	1,014310952	N/A	N/A	N/A	XLOC_l2_011415
A_24_P204011	1,66612	1,64562	1,014310952	ENST00000531539	283150	NM_181721	FOXR1
A_33_P3343531	1,6193	1,59881	1,014303922	ENST00000327216	219484	NM_001005282	OR5M8

A_21_P0009005	1,50334	1,48287	1,01428986	N/A	N/A	N/A	Inc-SRL-1
A_22_P00004112	1,4205	1,40004	1,01428283	N/A	N/A	AW966219	Inc-CLCN3-3
A_33_P3416707	5,99718	5,97672	1,01428283	N/A	N/A	N/A	N/A
A_24_P91832	1,53792	1,51746	1,01428283	ENST00000218008	23439	NM_012069	ATP1B4
A_21_P0001092	4,18947	4,16901	1,01428283	N/A	N/A	N/A	Inc-TTC34-3
A_21_P0000167	1,51454	1,49409	1,0142758	ENST00000473866	114815	NM_001206571	SORCS1
A_21_P0001260	1,5079	1,48745	1,0142758	N/A	N/A	N/A	Inc-KCNAB2-2
A_22_P00020239	1,4091	1,38866	1,014268769	N/A	N/A	N/A	Inc-AJAP1-3
A_33_P3210483	1,58101	1,56057	1,014268769	N/A	642696	XR_109256	LOC642696
A_21_P0012544	1,51671	1,49628	1,014261739	ENST00000482721	440970	N/A	LINC00971
A_21_P0004930	1,3841	1,36369	1,014247678	N/A	N/A	N/A	Inc-ASF1A-2
A_22_P00005518	1,52595	1,50556	1,014233618	N/A	N/A	N/A	Inc-EBF3-5
A_21_P0013374	1,57092	1,55053	1,014233618	ENST00000453564	101927769	N/A	LOC101927769
A_33_P3384000	1,60127	1,58088	1,014233618	ENST00000389967	57194	XM_005268261	ATP10A
A_21_P0005281	1,51635	1,49597	1,014226588	ENST00000437145	N/A	N/A	N/A
A_22_P00024497	1,60286	1,58249	1,014219558	N/A	N/A	N/A	Inc-PRPF18-5
A_21_P0008894	1,51914	1,49878	1,014212528	ENST00000566092	101928708	NR_110939	LOC101928708
A_21_P0009063	1,51453	1,49417	1,014212528	N/A	N/A	N/A	Inc-AC025287.1-2
A_22_P00019819	1,91854	1,89819	1,014205498	ENST00000508366	N/A	XR_108587	N/A
A_22_P00023531	1,56323	1,54288	1,014205498	ENST00000510203	N/A	N/A	N/A
A_21_P0007765	1,55315	1,53282	1,014191438	N/A	N/A	N/A	Inc-TBX3-2
A_21_P0013994	3,31761	3,29728	1,014191438	N/A	N/A	N/A	N/A
A_21_P0011736	1,501	1,48068	1,014184408	N/A	N/A	N/A	XLOC_I2_006994
A_21_P0001946	1,60045	1,58014	1,014177378	N/A	N/A	N/A	Inc-ITGA4-1
A_22_P00001868	1,64323	1,62292	1,014177378	ENST00000447158	N/A	N/A	N/A
A_33_P3212729	1,60187	1,58156	1,014177378	ENST00000402685	29951	NM_001164595	PDZRN4
A_33_P3236516	1,64499	1,62469	1,014170349	ENST00000419302	N/A	N/A	N/A
A_22_P00009972	1,52274	1,50244	1,014170349	ENST00000347364	8195	N/A	MKKS
A_22_P00008869	1,6925	1,67221	1,014163319	N/A	N/A	BX093343	Inc-KLHL22-1
A_22_P00009931	1,39344	1,37315	1,014163319	ENST00000430364	101929111	N/A	LINC01149
A_33_P3276805	1,47879	1,45851	1,014156289	N/A	N/A	N/A	N/A
A_33_P3290450	1,52444	1,50417	1,01414926	ENST00000390303	N/A	N/A	N/A
A_23_P14174	6,40197	6,3817	1,01414926	ENST00000486502	10673	NM_006573	TNFSF13B

A_22_P00017522	1,5992	1,57894	1,01414223	N/A	N/A	N/A	Inc-WDR11-2
A_21_P0011512	1,54307	1,52281	1,01414223	ENST00000445035	N/A	N/A	N/A
A_21_P0009643	1,57423	1,55398	1,014135201	ENST00000589921	148145	NR_027318	LINC00906
A_22_P00008268	1,5985	1,57825	1,014135201	ENST00000562614	100996345	XR_172163	LOC100996345
A_21_P0004054	1,49743	1,47719	1,014128171	ENST00000511422	N/A	N/A	N/A
A_33_P3343790	1,59888	1,57864	1,014128171	ENST00000355784	391189	NM_001001959	OR11L1
A_21_P0005961	1,56041	1,54018	1,014121142	ENST00000518589	101929167	XR_246640	LOC101929167
A_33_P3220979	1,47077	1,45054	1,014121142	N/A	N/A	N/A	N/A
A_21_P0012589	1,57501	1,55478	1,014121142	ENST00000505681	N/A	N/A	N/A
A_24_P808522	15,2619	15,2417	1,014100054	ENST00000401695	6208	NM_005617	RPS14
A_21_P0012736	1,47969	1,45949	1,014100054	N/A	N/A	N/A	Inc-AC110373.1-6
A_21_P0008280	1,51996	1,49976	1,014100054	ENST00000557526	102724190	NR_110553	LOC102724190
A_21_P0001519	1,64801	1,62782	1,014093025	N/A	N/A	N/A	Inc-ELTD1-2
A_21_P0009159	1,52563	1,50544	1,014093025	ENST00000436469	N/A	N/A	N/A
A_21_P0014342	1,54694	1,52675	1,014093025	N/A	101927839	NR_110888	LOC101927839
A_22_P00001726	1,61659	1,5964	1,014093025	ENST00000448086	N/A	N/A	N/A
A_21_P0002553	1,59705	1,57687	1,014085996	ENST00000455228	401039	NR_034162	FLJ43879
A_22_P00003402	1,5067	1,48654	1,014071938	ENST00000505371	101928885	XR_249792	LOC101928885
A_22_P00002878	1,52508	1,50493	1,014064909	ENST00000505632	N/A	N/A	N/A
A_22_P00005551	1,54701	1,52687	1,01405788	ENST00000452933	101927176	NR_108076	LINC01069
A_22_P00022298	1,52351	1,50339	1,014043822	N/A	N/A	DB043402	Inc-ATP6V1C2-2
A_22_P00015782	3,39636	3,37624	1,014043822	ENST00000545276	N/A	N/A	N/A
A_22_P00013453	1,62782	1,6077	1,014043822	ENST00000568030	104355218	NR_126397	LINC01177
A_22_P00021034	1,70767	1,68755	1,014043822	N/A	N/A	N/A	Inc-TGM5-1
A_33_P3353295	1,68357	1,66345	1,014043822	ENST00000298231	401	NM_005169	PHOX2A
A_33_P3366412	1,59712	1,57701	1,014036793	N/A	N/A	N/A	N/A
A_21_P0012684	1,38863	1,36852	1,014036793	N/A	N/A	N/A	XLOC_I2_011289
A_33_P3415037	14,0759	14,0558	1,014029765	ENST00000313132	7417	NM_001184783	VDAC2
A_33_P3408172	1,53533	1,51523	1,014029765	ENST00000344941	729025	NM_001170798	SLC15A5
A_23_P381172	1,49369	1,4736	1,014022736	ENST00000339944	56246	NM_206898	MRAP
A_22_P00019662	5,6087	5,58862	1,014015707	N/A	N/A	N/A	Inc-ORAOV1-2
A_21_P0012740	1,5092	1,48913	1,014008679	ENST00000513851	100507487	N/A	LOC100507487
A_19_P00807783	1,48461	1,46455	1,01400165	ENST00000437881	N/A	N/A	N/A

A_23_P34644	1,37385	1,35379	1,01400165	ENST00000428605	2213	NM_004001	FCGR2B
A_23_P36120	1,65578	1,63572	1,01400165	ENST00000530179	64231	NM_022349	MS4A6A
A_23_P157109	3,43497	3,41492	1,013994622	ENST00000304166	117	NM_001118	ADCYAP1R1
A_33_P3360122	1,53803	1,51798	1,013994622	N/A	283592	NR_027004	FAM181A-AS1
A_23_P125303	1,65868	1,63863	1,013994622	ENST00000370904	3547	NM_001555	IGSF1
A_22_P00013017	1,37537	1,35533	1,013987593	ENST00000556447	N/A	XR_429613	N/A
A_22_P00010381	1,66746	1,64743	1,013980565	ENST00000548329	N/A	N/A	N/A
A_22_P00015895	1,59807	1,57805	1,013973536	ENST00000456347	154089	NR_027030	LINC01312
A_22_P00003474	1,51194	1,49192	1,013973536	N/A	N/A	N/A	Inc-CCDC7-3
A_22_P00025590	1,48924	1,46922	1,013973536	N/A	N/A	BX097573	Inc-CPPED1-2
A_33_P3322259	1,72959	1,70957	1,013973536	ENST00000622923	100289087	NM_001282469	TSPY10
A_22_P00012479	1,58143	1,56142	1,013966508	ENST00000413005	N/A	N/A	N/A
A_23_P69012	1,59337	1,57337	1,01395948	ENST00000326306	1237	NM_005201	CCR8
A_32_P37867	1,53288	1,51288	1,01395948	N/A	85352	NM_001099294	KIAA1644
A_33_P3421243	1,60851	1,58852	1,013952452	ENST00000508838	174	NM_001134	AFP
A_22_P00005183	1,45348	1,4335	1,013945423	N/A	N/A	N/A	Inc-DISC1-3
A_22_P00025303	1,59925	1,57927	1,013945423	N/A	N/A	N/A	Inc-MYL2-3
A_22_P00018590	1,60055	1,58057	1,013945423	ENST00000517796	N/A	N/A	N/A
A_21_P0005393	1,59154	1,57157	1,013938395	N/A	N/A	N/A	Inc-AUTS2-1
A_33_P3323238	1,54206	1,5221	1,013931367	ENST00000620089	27098	NM_001289036	CLUL1
A_22_P00004608	1,47316	1,4532	1,013931367	ENST00000519506	101927487	NR_125418	LOC101927487
A_21_P0002200	1,51512	1,49517	1,013924339	N/A	N/A	N/A	Inc-QPCT-3
A_33_P3237005	1,59761	1,57766	1,013924339	N/A	594840	NR_002438	ZFAT-AS1
A_22_P00018972	1,49556	1,47561	1,013924339	ENST00000513573	102725105	N/A	LOC102725105
A_21_P0001999	1,63718	1,61724	1,013917311	N/A	N/A	N/A	Inc-CMPK2-13
A_22_P00016653	1,62398	1,60404	1,013917311	N/A	N/A	N/A	Inc-TP53I13-3
A_33_P3272479	6,33925	6,31931	1,013917311	ENST00000520180	10361	NM_001286681	NPM2
A_22_P00023517	1,52497	1,50504	1,013910283	ENST00000478814	N/A	N/A	N/A
A_21_P0013001	1,63567	1,61575	1,013903255	ENST00000508339	285708	NR_103753	LINC00491
A_23_P253597	3,22461	3,20469	1,013903255	ENST00000291592	81543	AB464607	LRRC3
A_23_P400505	1,57936	1,55945	1,013896228	ENST00000382071	338872	NM_178540	C1QTNF9
A_21_P0011258	5,37197	5,35206	1,013896228	N/A	N/A	N/A	XLOC_I2_004315
A_21_P0004983	1,51478	1,49488	1,0138892	N/A	N/A	N/A	Inc-EXOC2-5

A_23_P29394	1,5886	1,56871	1,013882172	ENST00000437904	84239	NM_032279	ATP13A4
A_33_P3338379	1,59135	1,57146	1,013882172	N/A	N/A	N/A	N/A
A_33_P3369016	4,08015	4,06026	1,013882172	N/A	101060085	XM_003960901	LOC101060085
A_21_P0010367	4,54366	4,52381	1,013854062	ENST00000449941	N/A	N/A	N/A
A_21_P0004880	1,43143	1,41158	1,013854062	N/A	N/A	N/A	Inc-DAAM2-2
A_22_P00021880	1,59682	1,57697	1,013854062	ENST00000517318	N/A	BM688379	N/A
A_33_P3332329	1,50487	1,48502	1,013854062	ENST00000526452	84767	NM_032681	TRIM51
A_22_P00011304	1,49132	1,47147	1,013854062	N/A	N/A	BG182938	Inc-OSBPL1A-2
A_22_P00008036	1,50867	1,48884	1,013840007	ENST00000578280	101059954	N/A	LOC101059954
A_22_P00001287	1,66214	1,64231	1,013840007	N/A	N/A	BX109601	Inc-ANKS6-1
A_21_P0002701	1,58848	1,56865	1,013840007	ENST00000429949	100996597	NR_103843	LINC00690
A_21_P0001272	1,51978	1,49997	1,013825952	N/A	N/A	N/A	Inc-PNRC2-1
A_33_P3279640	13,9609	13,9411	1,013818925	ENST00000251287	610	NM_001194	HCN2
A_22_P00025797	1,72437	1,70458	1,013811898	N/A	N/A	N/A	Inc-PCDH20-7
A_24_P280664	1,51587	1,49609	1,01380487	ENST00000294671	388646	NM_207398	GBP7
A_22_P00009885	1,50417	1,48439	1,01380487	N/A	N/A	N/A	Inc-MFSD2A-1
A_24_P286951	1,55416	1,53438	1,01380487	ENST00000369312	79949	NM_024889	PLEKHS1
A_21_P0006001	1,59037	1,5706	1,013797843	ENST00000423440	N/A	N/A	N/A
A_22_P00002644	1,47633	1,45656	1,013797843	N/A	N/A	N/A	Inc-C1orf191-1
A_33_P3258732	1,52785	1,50809	1,013790816	N/A	N/A	N/A	N/A
A_22_P00017763	4,48288	4,46313	1,013783789	N/A	N/A	AK125966	Inc-YTHDC2-1
A_21_P0007639	1,59757	1,57784	1,013769735	N/A	N/A	N/A	Inc-RNFT2-3
A_22_P00023704	1,3626	1,34288	1,013762708	ENST00000521504	N/A	N/A	N/A
A_24_P936014	1,45693	1,43722	1,013755682	N/A	26077	NR_026889	DKFZP434H168
A_33_P3309031	1,47342	1,45371	1,013755682	ENST00000503159	N/A	N/A	N/A
A_33_P3390758	13,4879	13,4682	1,013748655	ENST00000453788	3312	NM_153201	HSPA8
A_22_P00019599	1,54411	1,52443	1,013734601	ENST00000419800	101929460	XR_245641	LOC101929460
A_21_P0005757	1,52096	1,50129	1,013727575	N/A	N/A	N/A	Inc-RP11-785H20.1.1-1
A_22_P00019355	1,52126	1,50159	1,013727575	N/A	101928445	NR_110560	LOC101928445
A_32_P123514	1,63299	1,61332	1,013727575	ENST00000421491	132430	NM_001114734	PABPC4L
A_22_P00020024	1,38954	1,36988	1,013720548	N/A	100885780	NR_047698	VWC2L-IT1
A_33_P3420500	1,49002	1,47036	1,013720548	N/A	253832	BC034944	ZDHHC20
A_21_P0006694	1,59188	1,57224	1,013706495	ENST00000414903	N/A	N/A	N/A

A_21_P0011987	1,66671	1,64707	1,013706495	N/A	N/A	N/A	XLOC_I2_008409
A_21_P0011988	1,49702	1,47739	1,013699469	N/A	N/A	N/A	XLOC_I2_008409
A_23_P430181	9,83212	9,81249	1,013699469	ENST00000394807	79842	NM_024784	ZBTB3
A_21_P0000449	1,61202	1,5924	1,013692442	N/A	100033425	NR_003328	SNORD116-13
A_21_P0001421	1,66513	1,64551	1,013692442	N/A	N/A	N/A	Inc-LYPLAL1-3
A_22_P00007836	1,60065	1,58104	1,013685416	N/A	N/A	N/A	Inc-HPS3-3
A_23_P53267	12,3588	12,3392	1,013678389	ENST00000532695	65117	NM_023012	RSRC2
A_23_P418597	10,1945	10,1749	1,013678389	ENST00000427750	85456	NM_033396	TNKS1BP1
A_33_P3215043	1,61355	1,59395	1,013678389	N/A	341208	NM_001098672	HEPHL1
A_23_P333038	1,4583	1,4387	1,013678389	ENST00000357060	80217	NM_025145	CFAP43
A_33_P3406923	1,46629	1,4467	1,013671363	ENST00000451818	N/A	N/A	N/A
A_22_P00009225	1,58459	1,56501	1,013664337	N/A	100874082	NR_046612	HTR2A-AS1
A_22_P00008425	1,56338	1,54381	1,013657311	ENST00000291478	8997	XM_006713810	KALRN
A_21_P0014125	1,59296	1,57339	1,013657311	N/A	N/A	BG190648	Inc-MYNN-1
A_33_P3371204	1,69772	1,67815	1,013657311	N/A	N/A	BX098631	N/A
A_23_P91278	1,67286	1,65329	1,013657311	ENST00000414705	4773	NM_173091	NFATC2
A_23_P215980	7,25157	7,232	1,013657311	ENST00000421249	25962	NM_183009	KIAA1429
A_23_P328709	1,47196	1,4524	1,013650285	ENST00000327047	7401	NM_174878	CLRN1
A_33_P3230364	1,5939	1,57434	1,013650285	ENST00000321522	119678	NM_001005164	OR5E2
A_33_P3364249	1,65708	1,63753	1,013643259	N/A	N/A	N/A	Inc-LBH-1
A_21_P0001684	1,59521	1,57567	1,013636233	N/A	N/A	N/A	Inc-IL12RB2-2
A_23_P339117	1,59768	1,57814	1,013636233	ENST00000523211	286183	NM_173688	NKAIN3
A_21_P0013055	1,51383	1,4943	1,013629207	N/A	102723958	N/A	LOC102723958
A_33_P3229818	1,42705	1,40752	1,013629207	ENST00000247219	387332	NM_199047	TBPL2
A_19_P00804924	1,52107	1,50155	1,013622181	N/A	N/A	N/A	N/A
A_22_P00018503	1,67084	1,65133	1,013615155	N/A	N/A	N/A	Inc-NLRP12-1
A_23_P57222	1,66432	1,64481	1,013615155	ENST00000375494	359710	HQ258440	BPIFB3
A_23_P429601	1,37464	1,35513	1,013615155	ENST00000426341	168391	NM_145292	GALNTL5
A_23_P141306	1,37652	1,35701	1,013615155	ENST00000262441	9340	NM_004246	GLP2R
A_22_P00005392	1,52139	1,50188	1,013615155	ENST00000583580	N/A	N/A	N/A
A_22_P00002199	1,56716	1,54765	1,013615155	ENST00000444868	N/A	N/A	N/A
A_33_P3328352	1,58129	1,5618	1,013601103	ENST00000400552	245929	NM_001037730	DEFB115
A_22_P00003438	1,69664	1,67715	1,013601103	N/A	N/A	N/A	Inc-CCDC38-1



A_22_P00013852	8,01146	7,99198	1,013594078	ENST00000584660	400620	NR_040020	LOC400620
A_22_P00008199	1,70095	1,68147	1,013594078	ENST00000519803	N/A	N/A	N/A
A_21_P0005588	1,51246	1,49298	1,013594078	N/A	N/A	N/A	Inc-AC006372.1-1
A_22_P00011951	1,47956	1,46008	1,013594078	N/A	N/A	AK056954	Inc-PKIA-1
A_22_P00000684	2,1885	2,16903	1,013587052	N/A	101410540	NR_102707	FANK1-AS1
A_22_P00008209	1,43692	1,41747	1,013573001	ENST00000562575	N/A	N/A	N/A
A_22_P00020608	1,65639	1,63695	1,013565975	N/A	N/A	BG184476	Inc-LETM2-2
A_24_P932646	1,50897	1,48954	1,01355895	N/A	N/A	AY358123	Inc-CYS1-3
A_22_P00008796	1,3978	1,37837	1,01355895	N/A	N/A	N/A	Inc-KIN-1
A_24_P175783	5,12098	5,10156	1,013551924	N/A	23365	NM_015313	ARHGEF12
A_21_P0002379	1,55651	1,5371	1,013544899	N/A	N/A	N/A	Inc-TMEM18-7
A_33_P3409458	1,65047	1,63106	1,013544899	N/A	N/A	N/A	N/A
A_21_P0010548	1,58247	1,56306	1,013544899	ENST00000456752	149620	N/A	CHIAP2
A_23_P15619	1,47619	1,45678	1,013544899	ENST00000290294	84366	NM_032391	PRAC1
A_22_P00023536	1,43906	1,41966	1,013537874	ENST00000548691	N/A	N/A	N/A
A_21_P0005700	1,55534	1,53595	1,013530848	N/A	N/A	N/A	Inc-FAM110B-1
A_21_P0012580	1,56314	1,54377	1,013516798	ENST00000513211	102723828	N/A	LOC102723828
A_33_P3285992	1,54261	1,52324	1,013516798	N/A	79001	AK125618	VKORC1
A_33_P3248429	1,50256	1,48319	1,013516798	ENST00000366796	168002	NM_001286351	DACT2
A_21_P0005686	1,59505	1,5757	1,013502748	N/A	N/A	N/A	Inc-UNC5D-1
A_21_P0014942	1,48641	1,46707	1,013495723	ENST00000563054	100653233	XR_426189	LOC100653233
A_21_P0009318	1,48671	1,46737	1,013495723	N/A	N/A	N/A	nc-RP11-1407015.2.1-1
A_21_P0001555	1,57689	1,55756	1,013488698	N/A	N/A	N/A	Inc-FRRS1-2
A_21_P0013018	1,67692	1,6576	1,013481673	N/A	N/A	N/A	XLOC_I2_012418
A_33_P3223318	1,455	1,43568	1,013481673	ENST00000329621	337879	NM_175857	KRTAP8-1
A_23_P368691	1,57862	1,5593	1,013481673	ENST00000261201	10060	NM_005691	ABCC9
A_24_P944973	1,65164	1,63233	1,013474648	ENST00000370618	346007	NM_198283	EYS
A_21_P0006034	1,53535	1,51604	1,013474648	ENST00000420204	N/A	N/A	N/A
A_22_P00021248	1,63756	1,61825	1,013474648	ENST00000553464	N/A	N/A	N/A
A_23_P355067	11,5342	11,5149	1,013467623	ENST00000367881	54499	NM_019026	TMCO1
A_21_P0009269	1,52143	1,50213	1,013467623	N/A	N/A	N/A	Inc-KCNJ2-1
A_21_P0005690	1,59509	1,57579	1,013467623	N/A	N/A	N/A	Inc-IDO2-1
A_22_P00015791	10,466	10,4467	1,013467623	N/A	N/A	AA775737	Inc-TARBP2-1

A_22_P00006825	1,83998	1,82069	1,013460598	N/A	N/A	BG196864	Inc-GABRB2-1
A_21_P0013226	1,48193	1,46265	1,013453573	N/A	285905	N/A	INTS4P1
A_22_P00014914	1,72905	1,70978	1,013446549	ENST00000260126	81796	AK022971	SLCO5A1
A_33_P3378161	1,66421	1,64494	1,013446549	N/A	100131066	AK126015	LOC100131066
A_21_P0003684	1,52934	1,51008	1,013439524	N/A	N/A	N/A	Inc-ADAM29-1
A_22_P00000676	7,7457	7,72644	1,013439524	ENST00000458030	N/A	N/A	N/A
A_22_P00011085	1,59637	1,57711	1,013439524	ENST00000517722	N/A	N/A	N/A
A_33_P3221483	1,57991	1,56065	1,013439524	ENST00000530808	N/A	AB529257	N/A
A_22_P00000703	5,89809	5,87885	1,013425475	N/A	N/A	N/A	Inc-ADAM8-2
A_22_P00012974	1,51716	1,49792	1,013425475	N/A	N/A	N/A	Inc-REM2-2
A_33_P3345036	1,67061	1,65137	1,013425475	ENST00000395826	5443	NM_001035256	POMC
A_21_P0009543	1,47059	1,45137	1,013411426	N/A	N/A	N/A	Inc-ZSCAN30-1
A_33_P3355747	1,5101	1,49088	1,013411426	N/A	N/A	N/A	N/A
A_33_P3408152	1,59178	1,57256	1,013411426	ENST00000310624	4744	NM_021076	NEFH
A_24_P283591	1,41562	1,3964	1,013411426	ENST00000297913	158131	NM_012364	OR1Q1
A_22_P00007780	5,97347	5,95426	1,013404401	N/A	N/A	N/A	Inc-HNRNPA3-2
A_23_P350001	1,61311	1,59391	1,013397377	ENST00000282249	2977	NM_000855	GUCY1A2
A_33_P3377549	1,56527	1,54608	1,013390353	ENST00000392133	7520	XM_005246837	XRCC5
A_21_P0010832	1,64311	1,62392	1,013390353	N/A	N/A	N/A	XLOC_I2_001640
A_22_P00024290	1,59274	1,57356	1,013383329	ENST00000545400	101928441	NR_120471	LOC101928441
A_33_P3390656	1,52145	1,50229	1,01336928	ENST00000543479	23305	NM_001009185	ACSL6
A_23_P422667	1,47905	1,45989	1,01336928	ENST00000366698	51127	NM_016102	TRIM17
A_23_P114983	1,54356	1,5244	1,01336928	ENST00000374272	84676	NM_032588	TRIM63
A_21_P0009731	1,51921	1,50006	1,013362256	N/A	N/A	N/A	Inc-ZNF583-1
A_21_P0014688	1,59298	1,57386	1,013341184	N/A	100288162	NR_103772	LOC100288162
A_22_P00022118	1,51236	1,49324	1,013341184	ENST00000502680	N/A	N/A	N/A
A_22_P00020181	1,49013	1,47101	1,013341184	N/A	N/A	N/A	Inc-CCDC102B-8
A_22_P00014626	1,64815	1,62904	1,01333416	N/A	N/A	N/A	Inc-SLC16A3-4
A_22_P00023393	1,38362	1,36451	1,01333416	ENST00000553822	N/A	N/A	N/A
A_23_P157926	9,51538	9,49627	1,01333416	ENST00000308675	158038	NM_152570	LINGO2
A_22_P00004442	1,46938	1,45028	1,013327136	ENST00000536933	N/A	N/A	N/A
A_21_P0011027	1,57622	1,55715	1,013306065	ENST00000439483	101929011	N/A	LOC101929011
A_33_P3363161	1,4998	1,48073	1,013306065	N/A	N/A	N/A	N/A

A_22_P00004089	1,41801	1,39894	1,013306065	N/A	144742	N/A	LINC00934
A_22_P00017384	1,46813	1,44906	1,013306065	ENST00000574178	N/A	AK125886	N/A
A_23_P133712	3,15222	3,13316	1,013299041	ENST00000480804	51302	NM_016593	CYP39A1
A_22_P00011384	1,43951	1,42045	1,013299041	ENST00000457890	N/A	N/A	N/A
A_24_P142269	8,0389	8,01985	1,013292018	ENST00000279392	8479	NM_003609	HIRIP3
A_22_P00014317	1,5047	1,48565	1,013292018	N/A	N/A	N/A	Inc-SERPINB6-1
A_21_P0001629	1,65139	1,63235	1,013284994	N/A	102724046	XR_425101	LOC102724046
A_21_P0007462	1,5718	1,55278	1,013270947	N/A	N/A	N/A	Inc-CPSF7-1
A_23_P105465	1,67959	1,66057	1,013270947	ENST00000550402	1240	NM_004072	CMKLR1
A_33_P3857091	3,82787	3,80885	1,013270947	ENST00000522604	286114	NR_033894	LOC286114
A_24_P49427	1,59369	1,57467	1,013270947	ENST00000272907	57624	NM_020864	NYAP2
A_23_P38649	1,50795	1,48893	1,013270947	ENST00000327606	4158	NM_000529	MC2R
A_21_P0004973	1,3683	1,34929	1,013263924	N/A	N/A	N/A	Inc-SMOC2-5
A_33_P3222549	1,46891	1,4499	1,013263924	ENST00000437648	N/A	N/A	N/A
A_21_P0009882	1,52961	1,5106	1,013263924	ENST00000442389	N/A	N/A	N/A
A_22_P00019381	1,50976	1,49076	1,0132569	ENST00000504436	100861468	N/A	LINC00492
A_23_P318646	16,8483	16,8293	1,0132569	ENST00000492704	6204	NM_001014	RPS10
A_21_P0006267	1,5937	1,57471	1,013249877	N/A	N/A	N/A	Inc-ANKRD20A3-1
A_21_P0002296	1,59454	1,57555	1,013249877	N/A	N/A	N/A	Inc-SPOPL-3
A_33_P3589819	7,29464	7,27566	1,013242854	N/A	102724827	AK026502	MIATNB
A_22_P00006251	1,3662	1,34723	1,01323583	N/A	N/A	N/A	Inc-FAM63B-1
A_32_P116606	1,59905	1,58008	1,01323583	ENST00000274382	167410	NM_153234	LIX1
A_22_P00015452	1,68553	1,66656	1,01323583	ENST00000561511	N/A	Y11918	N/A
A_21_P0003414	1,70016	1,68119	1,01323583	ENST00000504874	N/A	N/A	N/A
A_23_P390665	1,48416	1,4652	1,013228807	ENST00000299840	146177	NM_173615	VWA3A
A_22_P00014814	1,52739	1,50844	1,013221784	ENST00000424417	102723517	NR_110877	LOC102723517
A_33_P3383471	1,48419	1,46524	1,013221784	ENST00000547431	5502	AK123969	PPP1R1A
A_21_P0000649	1,59262	1,57368	1,013214761	N/A	219525	NR_036445	OR5AK4P
A_22_P00001785	1,48223	1,4633	1,013207738	ENST00000446370	N/A	N/A	N/A
A_22_P00002069	1,54878	1,52988	1,013186669	N/A	N/A	N/A	Inc-BLZF1-1
A_22_P00006110	1,47749	1,45859	1,013186669	N/A	N/A	N/A	Inc-FAM172A-1
A_22_P00012803	1,53105	1,51216	1,013179646	ENST00000544089	N/A	BX090918	N/A
A_22_P00021556	1,6388	1,61991	1,013179646	ENST00000557475	N/A	N/A	N/A

A_22_P00011323	1,64319	1,6243	1,013179646	N/A	N/A	N/A	Inc-OSR2-2
A_21_P0000517	1,59133	1,57244	1,013179646	N/A	140464	NR_027070	PISRT1
A_22_P00013622	1,59324	1,57436	1,013172623	ENST00000567777	N/A	BX090790	N/A
A_21_P0009937	1,4887	1,46982	1,013172623	N/A	N/A	N/A	Inc-SPTLC3-1
A_21_P0004089	1,5938	1,57493	1,013165601	ENST00000511698	N/A	N/A	N/A
A_33_P3318220	1,43353	1,41466	1,013165601	ENST00000375454	128861	NM_178466	BPIFA3
A_22_P00019899	1,38732	1,36846	1,013158578	N/A	N/A	N/A	Inc-KLLN-1
A_21_P0004908	1,71308	1,69422	1,013158578	N/A	N/A	N/A	Inc-GJA10-6
A_32_P437041	1,48497	1,46611	1,013158578	ENST00000295131	151112	NM_182521	ZSWIM2
A_21_P0012626	4,59573	4,57687	1,013158578	ENST00000507055	N/A	N/A	N/A
A_23_P8820	1,67043	1,65158	1,013151555	ENST00000518669	2167	NM_001442	FABP4
A_21_P0002460	1,57292	1,55407	1,013151555	N/A	N/A	N/A	Inc-RAB11FIP5-1
A_21_P0007663	1,49501	1,47616	1,013151555	N/A	N/A	N/A	Inc-TMEM132C-6
A_33_P3889634	1,62307	1,60422	1,013151555	ENST00000454676	284798	NR_027091	LOC284798
A_24_P374445	1,56348	1,54464	1,013144533	ENST00000331493	124989	NM_152347	EFCAB13
A_22_P00020271	1,4538	1,43498	1,013130488	N/A	N/A	BX117727	Inc-BTC-4
A_33_P3400578	1,50351	1,48469	1,013130488	ENST00000226067	3131	NM_002126	HLF
A_22_P00019380	1,64014	1,62133	1,013123465	ENST00000508970	1496	N/A	CTNNA2
A_23_P49155	14,019	14,0002	1,013116443	ENST00000429102	1001	NM_001793	CDH3
A_21_P0004138	1,45455	1,43575	1,013116443	ENST00000504280	101928885	N/A	LOC101928885
A_22_P00017326	1,38175	1,36296	1,01310942	N/A	N/A	N/A	Inc-USP35-2
A_33_P3255459	1,56033	1,54154	1,01310942	ENST00000508619	100133461	NR_034136	LOC100133461
A_21_P0011388	1,50552	1,48673	1,01310942	N/A	N/A	N/A	XLOC_I2_005074
A_24_P120462	1,48952	1,47073	1,01310942	ENST00000265104	1767	NM_001369	DNAH5
A_23_P416238	1,54892	1,53014	1,013102398	ENST00000532756	245802	NM_139249	MS4A6E
A_21_P0005755	1,52618	1,5074	1,013102398	N/A	N/A	N/A	Inc-UTP23-1
A_21_P0006824	1,48631	1,46753	1,013102398	ENST00000607982	439949	N/A	PRKCQ-AS1
A_22_P00001474	1,51881	1,50004	1,013095376	ENST00000505018	101928622	NR_125902	LOC101928622
A_21_P0005655	1,58984	1,57108	1,013088353	N/A	N/A	N/A	Inc-GATA4-1
A_22_P00001405	1,70251	1,68375	1,013088353	N/A	101410542	NR_102709	UCHL1-AS1
A_21_P0001928	1,37514	1,35639	1,013081331	N/A	N/A	N/A	Inc-TNFAIP6-1
A_21_P0009100	1,40449	1,38574	1,013081331	ENST00000564361	N/A	N/A	N/A
A_22_P00018460	1,57565	1,5569	1,013081331	ENST00000513718	N/A	N/A	N/A

A_21_P0002659	1,59281	1,57409	1,013060265	N/A	N/A	N/A	Inc-KCNG3-1
A_21_P0004657	1,51936	1,50064	1,013060265	ENST00000622616	101927293	XR_242044	LOC101927293
A_22_P00020875	1,52272	1,50401	1,013053243	ENST00000517722	N/A	N/A	N/A
A_23_P130259	1,45285	1,43414	1,013053243	ENST00000254854	3000	NM_000180	GUCY2D
A_24_P138022	11,6051	11,5864	1,013046221	ENST00000427765	23196	NM_014612	FAM120A
A_33_P3312529	1,46047	1,44178	1,013039199	ENST00000612034	390539	NR_028067	OR4N3P
A_21_P0000907	1,61443	1,59574	1,013039199	ENST00000423197	284661	NR_027088	LOC284661
A_21_P0000032	1,46805	1,44937	1,013032178	ENST00000525704	84623	NM_001161707	KIRREL3
A_23_P87036	1,56792	1,54924	1,013032178	ENST00000357780	337	NM_000482	APOA4
A_22_P00009598	1,67095	1,65227	1,013032178	N/A	N/A	N/A	Inc-MAPK6-9
A_32_P49309	1,36512	1,34645	1,013025156	ENST00000610511	83876	NM_031939	MRO
A_32_P225816	1,63225	1,61359	1,013018134	ENST00000270722	63976	NM_022114	PRDM16
A_21_P0003597	1,5891	1,57045	1,013011112	ENST00000562049	100508631	XR_251566	LOC100508631
A_21_P0012034	1,66733	1,64869	1,013004091	ENST00000450848	101927406	NR_110222	LOC101927406
A_21_P0001627	1,60611	1,58747	1,013004091	N/A	N/A	N/A	Inc-DUSP10-2
A_32_P302205	1,54536	1,52673	1,012997069	ENST00000264382	6476	NM_001041	SI
A_32_P737629	1,47895	1,46033	1,012990048	ENST00000276770	246122	NR_001534	TTY7
A_33_P3406413	1,57315	1,55453	1,012990048	N/A	N/A	N/A	N/A
A_21_P0006858	1,60917	1,59056	1,012983026	N/A	N/A	N/A	Inc-ANKRD30A-5
A_24_P941441	10,3176	10,299	1,012976005	ENST00000439174	10672	NM_006572	GNA13
A_21_P0013732	1,56959	1,55099	1,012976005	ENST00000424473	N/A	N/A	N/A
A_33_P3274678	1,59472	1,57612	1,012976005	ENST00000390611	N/A	GQ232939	N/A
A_24_P212074	1,64939	1,63079	1,012976005	ENST00000267273	196541	NM_001010977	METTL21C
A_33_P3241989	1,55055	1,53196	1,012968983	ENST00000426923	51316	NM_001130715	PLAC8
A_24_P262321	4,87638	4,8578	1,012961962	ENST00000481756	100533496	NM_001204478	TVP23C-CDRT4
A_23_P22444	5,24173	5,22315	1,012961962	ENST00000247153	5199	NM_002621	CFP
A_21_P0012951	1,58421	1,56564	1,012954941	ENST00000515596	102723470	XR_425887	LOC102723470
A_33_P3369058	1,45566	1,4371	1,012947919	ENST00000298910	120892	NM_198578	LRRK2
A_22_P00009545	6,02627	6,00771	1,012947919	ENST00000585228	N/A	N/A	N/A
A_33_P3403714	1,60233	1,58378	1,012940898	N/A	400710	NR_027257	FLJ26850
A_22_P00021199	1,58695	1,5684	1,012940898	ENST00000411605	100551499	N/A	LINC00159
A_21_P0005046	1,55455	1,53603	1,012919835	N/A	N/A	N/A	Inc-HACE1-4
A_22_P00025718	1,51851	1,49999	1,012919835	ENST00000502809	N/A	N/A	N/A

A_23_P140074	2,43542	2,4169	1,012919835	ENST00000375547	8858	NM_003891	PROZ
A_23_P383679	1,74278	1,72426	1,012919835	ENST00000378856	54768	NM_001270974	HYDIN
A_21_P0004323	1,57538	1,55687	1,012912814	N/A	N/A	N/A	Inc-GABRA6-1
A_22_P00002477	1,53746	1,51895	1,012912814	ENST00000560259	N/A	N/A	N/A
A_24_P106910	6,33248	6,31398	1,012905793	ENST00000375290	5727	NM_001083602	PTCH1
A_33_P3329908	1,43632	1,41782	1,012905793	ENST00000438745	N/A	N/A	N/A
A_21_P0006687	1,41046	1,39197	1,012898772	ENST00000416657	N/A	N/A	N/A
A_22_P00012846	1,51509	1,49661	1,012891751	N/A	104355150	N/A	LINC01054
A_22_P00000442	1,38527	1,3668	1,01288473	ENST00000507782	N/A	N/A	N/A
A_23_P380240	1,60258	1,58412	1,01287771	ENST00000244336	1088	NM_001816	CEACAM8
A_22_P00005329	1,58986	1,5714	1,01287771	N/A	N/A	N/A	Inc-DOCK8-1
A_21_P0008842	1,6661	1,64764	1,01287771	N/A	N/A	N/A	Inc-POTEB-5
A_22_P00001857	1,36154	1,34309	1,012870689	ENST00000549140	N/A	N/A	N/A
A_24_P102650	1,66447	1,64602	1,012870689	ENST00000529681	727897	NM_002458	MUC5B
A_33_P3260263	1,58801	1,56956	1,012870689	N/A	N/A	N/A	N/A
A_22_P00005481	1,51488	1,49644	1,012863668	ENST00000566030	N/A	N/A	N/A
A_22_P00018846	1,58088	1,56247	1,012842607	ENST00000583416	N/A	N/A	N/A
A_21_P0004021	1,45465	1,43624	1,012842607	N/A	N/A	N/A	Inc-COX7C-1
A_22_P00005699	1,57308	1,55469	1,012828566	ENST00000506232	N/A	N/A	N/A
A_23_P24083	1,4062	1,38781	1,012828566	ENST00000579578	5408	NM_005396	PNLIPRP2
A_22_P00001676	1,61741	1,59902	1,012828566	N/A	N/A	DB052641	Inc-ASPH-3
A_23_P167121	1,52994	1,51156	1,012821545	ENST00000510233	2555	NM_000807	GABRA2
A_21_P0004307	1,5904	1,57202	1,012821545	N/A	N/A	N/A	Inc-C5orf32-1
A_22_P00002245	1,63608	1,6177	1,012821545	N/A	100505540	NR_038330	SLIT1-AS1
A_21_P0008474	1,57442	1,55604	1,012821545	N/A	N/A	N/A	Inc-KCNK10-1
A_22_P00005270	1,59139	1,57302	1,012814525	ENST00000503320	102467225	N/A	LOC102467225
A_21_P0013287	1,53178	1,51341	1,012814525	N/A	N/A	N/A	XLOC_I2_013741
A_23_P412476	2,91823	2,89987	1,012807505	ENST00000263834	9687	NM_148903	GREB1
A_19_P00810229	1,58583	1,56748	1,012800484	N/A	N/A	N/A	Inc-TYW5-2
A_21_P0011813	9,81387	9,79552	1,012800484	ENST00000567067	85013	NM_032927	TMEM128
A_21_P0002282	1,54209	1,52375	1,012793464	N/A	N/A	N/A	Inc-GLI2-2
A_22_P00002370	1,55831	1,53997	1,012793464	N/A	101927719	XR_245995	LOC101927719
A_21_P0008605	1,47275	1,45441	1,012793464	N/A	N/A	N/A	Inc-RYR3-1

A_33_P3424496	1,4886	1,47026	1,012793464	N/A	N/A	N/A	Inc-STK32C-1
A_22_P00008072	1,51565	1,49732	1,012786444	N/A	N/A	N/A	Inc-IKBIP-1
A_22_P00024501	1,47737	1,45905	1,012779424	ENST00000435574	100506795	N/A	LINC01354
A_33_P3262510	1,70726	1,68894	1,012779424	ENST00000404190	643414	NM_001080518	LIPK
A_23_P146885	13,4952	13,4769	1,012765384	ENST00000313135	2837	NM_018949	UTS2R
A_32_P146113	1,48782	1,46954	1,012751344	ENST00000471400	221481	NM_145028	ARMC12
A_33_P3327123	1,47169	1,45341	1,012751344	N/A	N/A	N/A	Inc-RP11-124K4.2.1-2
A_33_P3388888	1,55998	1,54171	1,012744324	N/A	N/A	N/A	N/A
A_23_P20139	1,56501	1,54674	1,012744324	ENST00000247879	50831	NM_016943	TAS2R3
A_33_P3255597	1,45417	1,43591	1,012737305	N/A	N/A	N/A	N/A
A_33_P3334615	1,48714	1,46889	1,012730285	ENST00000329903	1260	NM_005140	CNGA2
A_22_P00002957	1,48149	1,46326	1,012716246	N/A	101928033	NR_109899	CTD-2270F17.1
A_22_P00004740	1,52179	1,50356	1,012716246	ENST00000502209	N/A	N/A	N/A
A_24_P255233	1,66997	1,65174	1,012716246	ENST00000587694	100190938	NR_024462	RAMP2-AS1
A_21_P0005894	1,51561	1,49739	1,012709226	N/A	N/A	N/A	Inc-SAMD12-1
A_23_P49376	1,54731	1,5291	1,012702206	ENST00000379780	1071	NM_000078	CETP
A_24_P239176	11,988	11,9698	1,012695187	ENST00000614666	4585	NM_018406	MUC4
A_32_P182439	10,9593	10,9411	1,012695187	ENST00000263681	10714	NM_006591	POLD3
A_21_P0012529	1,56342	1,54523	1,012688168	ENST00000458713	101927347	NR_110123	GRM7-AS3
A_33_P3390793	1,46087	1,44268	1,012688168	ENST00000379618	55521	NM_001017397	TRIM36
A_21_P0007319	1,54025	1,52207	1,012681148	N/A	N/A	N/A	Inc-GALNTL4-1
A_33_P3375819	1,60541	1,58725	1,012667109	ENST00000578152	100287225	NR_040075	LOC100287225
A_23_P257962	1,55807	1,53992	1,01266009	ENST00000473811	2902	NM_007327	GRIN1
A_23_P9075	1,70557	1,68743	1,012653071	ENST00000307599	137362	NM_152413	GOT1L1
A_33_P3241831	1,51544	1,4973	1,012653071	ENST00000285879	9947	NM_005462	MAGEC1
A_22_P00022622	1,56631	1,54818	1,012646052	ENST00000425900	N/A	N/A	N/A
A_22_P00004016	1,53009	1,51196	1,012646052	ENST00000524359	101927141	XR_242493	LOC101927141
A_33_P3326984	1,57505	1,55692	1,012646052	ENST00000520252	5891	N/A	MOK
A_21_P0001148	1,42807	1,40994	1,012646052	ENST00000437598	N/A	N/A	N/A
A_21_P0001552	1,46276	1,44463	1,012646052	N/A	N/A	N/A	Inc-ALG14-3
A_21_P0006821	1,50548	1,48736	1,012639033	N/A	N/A	N/A	Inc-PFKFB3-1
A_21_P0011645	1,58726	1,56915	1,012632014	ENST00000419688	55018	NR_073199	LINC00483
A_19_P00806702	1,50023	1,48212	1,012632014	N/A	N/A	N/A	Inc-RLIM-3

A_33_P3226835	1,54358	1,52547	1,012632014	ENST00000392917	80122	NM_025052	MAP3K19
A_24_P941188	7,12485	7,10674	1,012632014	ENST00000375120	23252	NM_015207	OTUD3
A_33_P3886938	1,50354	1,48544	1,012624995	N/A	100093698	NR_046087	GS1-600G8.3
A_21_P0005071	1,51619	1,49812	1,012603938	N/A	N/A	N/A	Inc-IPCEF1-1
A_33_P3346267	1,36824	1,35017	1,012603938	ENST00000328886	388364	NM_206832	TMIGD1
A_32_P472875	3,96216	3,9441	1,012596919	ENST00000567234	N/A	AK000246	N/A
A_22_P00022344	1,46409	1,44603	1,012596919	N/A	N/A	N/A	Inc-DLC1-1
A_21_P0010033	1,66986	1,6518	1,012596919	N/A	N/A	N/A	Inc-PLAGL2-2
A_22_P00002582	1,67633	1,65828	1,0125899	ENST00000579278	N/A	N/A	N/A
A_33_P3671734	1,49459	1,47656	1,012575863	N/A	386671	BM925662	FLJ44715
A_23_P319027	1,46049	1,44247	1,012568844	ENST00000395891	23072	NM_015052	HECW1
A_22_P00002007	1,42741	1,40939	1,012568844	ENST00000429281	286442	NR_038968	LINC01281
A_21_P0002214	1,65203	1,63402	1,012561826	N/A	N/A	N/A	Inc-CHAC2-2
A_24_P83183	9,68522	9,66721	1,012561826	ENST00000463820	7469	NM_005663	NELFA
A_22_P00023737	1,67365	1,65565	1,012554807	ENST00000553921	101928791	NR_110121	LOC101928791
A_21_P0012179	1,55641	1,53841	1,012554807	N/A	N/A	N/A	XLOC_I2_009134
A_21_P0012459	1,48942	1,47142	1,012554807	N/A	N/A	N/A	XLOC_I2_010338
A_22_P00005825	1,78612	1,76813	1,012547789	N/A	N/A	N/A	Inc-ERAL1-2
A_21_P0003489	1,50153	1,48355	1,01254077	N/A	N/A	N/A	Inc-PPA2-2
A_21_P0005159	1,48465	1,46668	1,012533752	N/A	100874531	N/A	LINC00581
A_21_P0011672	1,41841	1,40044	1,012533752	N/A	N/A	N/A	XLOC_I2_006578
A_21_P0008937	1,45511	1,43714	1,012533752	N/A	N/A	N/A	Inc-RP11-327F22.5.1-5
A_33_P3369133	1,38872	1,37077	1,012519715	N/A	102723367	XM_006711705	LOC102723367
A_24_P268685	1,48379	1,46584	1,012519715	ENST00000287766	6529	NM_003042	SLC6A1
A_22_P00022099	1,57949	1,56155	1,012512697	ENST00000452813	N/A	N/A	N/A
A_21_P0011472	1,45627	1,43835	1,012498661	N/A	N/A	N/A	XLOC_I2_005457
A_21_P0005359	1,5822	1,56428	1,012498661	N/A	100506178	NR_038393	LOC100506178
A_32_P70056	1,58931	1,57139	1,012498661	N/A	642864	NR_049777	SPATA42
A_24_P59220	13,2103	13,1924	1,012484625	ENST00000409914	728378	NM_001099771	POTEF
A_23_P28279	10,0409	10,023	1,012484625	ENST00000289228	10120	NM_005735	ACTR1B
A_22_P00021093	1,43087	1,41297	1,012484625	N/A	N/A	BC018444	Inc-ZDHHC13-3
A_33_P3287403	1,5854	1,5675	1,012484625	ENST00000545549	N/A	TCONS_00002717	N/A
A_33_P3282230	1,62415	1,60625	1,012484625	ENST00000604921	100129669	N/A	IZUMO3



A_21_P0000457	1,57823	1,56033	1,012484625	N/A	100036564	NR_003496	SNORD115-27
A_23_P70387	1,58856	1,57068	1,012470589	ENST00000244669	10930	NM_006789	APOBEC2
A_24_P370172	1,58551	1,56763	1,012470589	ENST00000446712	353514	NM_181879	LILRA5
A_21_P0011653	1,55698	1,53912	1,012456553	N/A	N/A	N/A	XLOC_I2_006399
A_23_P106362	1,51579	1,49794	1,012449535	ENST00000219919	366	NM_020980	AQP9
A_21_P0001565	1,39533	1,37748	1,012449535	N/A	N/A	N/A	Inc-VAV3-1
A_21_P0013955	1,39135	1,37351	1,012442518	N/A	N/A	XM_006710125	Inc-TMEM18-12
A_23_P49862	1,54257	1,52473	1,012442518	ENST00000576742	162514	NM_145068	TRPV3
A_33_P3349597	9,50798	9,49015	1,0124355	N/A	N/A	N/A	N/A
A_21_P0004395	1,58982	1,57199	1,0124355	N/A	N/A	N/A	Inc-CTC-236F12.4.1-3
A_33_P3248948	1,53152	1,51369	1,0124355	N/A	N/A	N/A	N/A
A_22_P00025960	1,65382	1,63599	1,0124355	N/A	N/A	N/A	Inc-IFT140-2
A_21_P0003864	1,5876	1,56978	1,012428482	N/A	101928439	XR_425808	LOC101928439
A_33_P3292196	1,58789	1,57008	1,012421465	ENST00000538162	84968	NM_032882	PNMA6A
A_22_P00010176	1,57052	1,55272	1,012414447	ENST00000566553	152274	XR_245184	LOC152274
A_22_P00003059	1,42402	1,40622	1,012414447	ENST00000518222	N/A	N/A	N/A
A_23_P635	11,3235	11,3057	1,012414447	ENST00000368273	11243	NM_007221	PMF1
A_22_P00000479	1,58289	1,56509	1,012414447	N/A	N/A	N/A	Inc-AC092327.1-2
A_23_P59888	8,43053	8,41273	1,012414447	ENST00000419462	83955	NR_002182	NACAP1
A_22_P00022595	1,63552	1,61774	1,012400412	N/A	N/A	N/A	Inc-EFR3A-3
A_22_P00016137	1,51749	1,49971	1,012400412	N/A	N/A	N/A	Inc-TIMD4-1
A_22_P00013790	1,5476	1,52983	1,012393395	ENST00000517675	157627	NR_024281	LINC00599
A_22_P00022242	1,56906	1,55129	1,012393395	N/A	N/A	AK092991	Inc-AL020996.1-2
A_21_P0006880	1,3967	1,37894	1,012386377	N/A	N/A	N/A	Inc-SGPL1-3
A_21_P0003104	1,59109	1,57333	1,012386377	N/A	N/A	N/A	Inc-XPC-4
A_33_P3211727	1,57139	1,55364	1,01237936	ENST00000270824	55194	NM_018166	EVA1B
A_22_P00012408	1,44222	1,42447	1,01237936	ENST00000552028	N/A	XR_111420	N/A
A_33_P3384695	1,58961	1,57186	1,01237936	N/A	83988	AB209015	NCALD
A_22_P00015518	1,55913	1,54139	1,012372343	N/A	N/A	BC039682	Inc-STEAP1B-1
A_21_P0004004	1,51016	1,49243	1,012365326	ENST00000513392	100996645	N/A	LINCR-0003
A_21_P0014367	1,62154	1,60381	1,012365326	N/A	N/A	XR_133155	N/A
A_22_P00023645	1,51804	1,50032	1,012358309	ENST00000455716	N/A	N/A	N/A
A_22_P00015808	1,54493	1,52721	1,012358309	ENST00000602702	102606466	NR_109872	LOC102606466

A_23_P93169	1,413	1,39529	1,012351291	ENST00000370657	51557	NM_016571	LGSN
A_21_P0007136	1,66575	1,64804	1,012351291	ENST00000514294	283143	AK307308	LINC00900
A_22_P00018025	1,50232	1,48461	1,012351291	N/A	N/A	AK056432	Inc-ZNF217-2
A_33_P3332337	1,4817	1,464	1,012344274	ENST00000534129	2346	NM_001193472	FOLH1
A_33_P3369098	1,4039	1,3862	1,012344274	ENST00000223167	93408	NM_138403	MYL10
A_33_P3209772	1,73383	1,71613	1,012344274	ENST00000377208	5457	NM_006237	POU4F1
A_22_P00025224	10,0022	9,98451	1,012337257	ENST00000553982	10001	NM_001284211	MED6
A_22_P00014567	1,56409	1,54641	1,01233024	N/A	101928583	XR_241615	LOC101928583
A_21_P0002721	1,48991	1,47224	1,012323223	ENST00000440867	102723448	NR_110824	LOC102723448
A_33_P3349746	1,50433	1,48666	1,012323223	ENST00000298642	390431	NM_001005501	OR4K2
A_23_P51479	1,505	1,48734	1,012316207	ENST00000304526	10022	NM_005478	INSL5
A_24_P202632	1,66437	1,64671	1,012316207	ENST00000602114	55554	NM_017509	KLK15
A_21_P0011083	1,76249	1,74483	1,012316207	N/A	N/A	N/A	XL0C_I2_003292
A_22_P00021930	1,49991	1,48226	1,01230919	ENST00000465347	N/A	N/A	N/A
A_21_P0000439	1,63511	1,61746	1,01230919	N/A	100033440	NR_003295	SNORD115-3
A_22_P00012102	1,50636	1,48871	1,01230919	N/A	N/A	BX509710	Inc-PNRC2-3
A_32_P148745	9,25548	9,23784	1,012302173	ENST00000452576	221806	NM_001135924	VWDE
A_21_P0005226	1,57349	1,55585	1,012302173	N/A	N/A	N/A	Inc-ANLN-4
A_23_P145978	1,59082	1,57319	1,012295156	ENST00000262178	7434	NM_003382	VIPR2
A_21_P0006165	1,61074	1,59312	1,01228814	N/A	N/A	N/A	Inc-NTRK2-4
A_22_P00019469	1,42012	1,40251	1,012281123	N/A	N/A	N/A	Inc-ANKRD35-1
A_22_P00024262	2,9304	2,91279	1,012281123	ENST00000607802	63930	NR_033370	LOC63930
A_24_P287766	1,45601	1,4384	1,012281123	ENST00000497206	94160	NM_033226	ABCC12
A_21_P0004636	5,09149	5,07388	1,012281123	ENST00000451285	101928406	XR_241981	LOC101928406
A_23_P56529	11,8292	11,8116	1,012274106	ENST00000489767	14	NM_001087	AAMP
A_23_P149926	1,36874	1,35114	1,012274106	ENST00000263126	1109	NM_001818	AKR1C4
A_24_P125335	1,55919	1,5416	1,01226709	ENST00000225844	6357	NM_005408	CCL13
A_21_P0007337	1,47818	1,4606	1,012260073	N/A	N/A	N/A	Inc-LMO2-2
A_21_P0004699	1,50774	1,49016	1,012260073	ENST00000429657	102724053	N/A	LOC102724053
A_21_P0009667	1,36226	1,34469	1,012253057	ENST00000587218	101928886	N/A	LOC101928886
A_22_P00019019	1,48613	1,46856	1,012253057	N/A	N/A	N/A	Inc-HMHB1-1
A_22_P00003987	1,53301	1,51546	1,012239024	ENST00000566439	102467079	NR_104655	LOC102467079
A_22_P00008063	1,53597	1,51842	1,012239024	ENST00000476460	N/A	N/A	N/A

A_21_P0000752	1,58708	1,56954	1,012232008	N/A	100507064	NR_038288	TEX26-AS1
A_22_P00006268	1,55893	1,54141	1,012217976	ENST00000426859	643365	NM_001278674	LINC00452
A_33_P3251801	1,56646	1,54895	1,012210959	ENST00000393039	346689	NM_198508	KLRG2
A_21_P0007283	1,61519	1,59768	1,012210959	N/A	N/A	N/A	Inc-CTD-2523D13.1.1-4
A_21_P0013300	10,3006	10,2831	1,012203943	ENST00000455017	N/A	N/A	N/A
A_33_P3230350	11,8418	11,8243	1,012203943	ENST00000394673	7756	NM_001098507	ZNF207
A_23_P162861	1,47318	1,45568	1,012203943	ENST00000400389	647174	NM_001101320	SERPINE3
A_22_P00010124	2,88478	2,86729	1,012196927	N/A	N/A	N/A	Inc-MRPL16-1
A_22_P00004779	1,58414	1,56665	1,012196927	ENST00000506670	728586	N/A	LINC01183
A_21_P0004799	1,51339	1,49591	1,012189911	N/A	N/A	N/A	Inc-LPA-2
A_23_P118675	1,51075	1,49328	1,012182895	ENST00000239174	3211	NM_002144	HOXB1
A_21_P0012016	1,64868	1,63121	1,012182895	ENST00000456999	N/A	N/A	N/A
A_22_P00021911	5,00701	4,98957	1,012161848	N/A	N/A	N/A	Inc-BRF1-2
A_33_P3318781	1,45318	1,43577	1,012140801	N/A	N/A	N/A	N/A
A_33_P3585924	1,59528	1,57788	1,012133785	ENST00000440494	339529	NR_033883	LOC339529
A_21_P0014667	1,54386	1,52646	1,012133785	N/A	N/A	N/A	N/A
A_33_P3372488	1,45355	1,43615	1,012133785	ENST00000371209	26123	BC061582	TCTN3
A_21_P0001442	1,61991	1,60253	1,012119754	N/A	N/A	N/A	Inc-GPR137B-2
A_21_P0000396	1,58625	1,56887	1,012119754	N/A	692215	NR_003080	SNORD112
A_22_P00017743	1,58048	1,56311	1,012112739	N/A	N/A	N/A	Inc-YBX2-1
A_22_P00015736	1,58828	1,57092	1,012105723	N/A	N/A	N/A	Inc-TACC2-2
A_33_P3268478	1,65773	1,64038	1,012098708	N/A	387712	XM_006717835	ENO4
A_23_P60339	8,40953	8,39219	1,012091693	ENST00000314700	84267	NM_032307	C9orf64
A_22_P00019271	8,31841	8,30107	1,012091693	ENST00000506255	100507091	NR_038290	LOC100507091
A_22_P00002844	1,51123	1,4939	1,012084677	N/A	N/A	N/A	Inc-C3orf30-2
A_21_P0006995	1,58309	1,56578	1,012070647	N/A	100506769	NR_108038	C10orf71-AS1
A_23_P105066	10,8429	10,8256	1,012063632	ENST00000530016	3611	NM_001014795	ILK
A_24_P818010	10,7003	10,683	1,012063632	N/A	729737	NR_039983	LOC729737
A_22_P00004682	1,5191	1,5018	1,012063632	ENST00000532307	100507384	NR_047569	LOC100507384
A_24_P38290	1,49299	1,4757	1,012056617	ENST00000350485	6863	NM_003182	TAC1
A_22_P00003626	1,57381	1,55653	1,012049602	ENST00000475362	151658	NR_024276	LINC00635
A_22_P00014093	1,57706	1,55978	1,012049602	N/A	102723562	NR_120483	LINC01498
A_22_P00024236	1,37978	1,3625	1,012049602	N/A	N/A	AK127156	Inc-MRPS5-2

A_22_P00003324	1,48807	1,47079	1,012049602	ENST00000437466	N/A	N/A	N/A
A_33_P3383975	1,51572	1,49844	1,012049602	ENST00000522186	N/A	N/A	N/A
A_22_P00008321	1,63808	1,62082	1,012035572	N/A	100874041	NR_046756	MACC1-AS1
A_21_P0004828	1,72443	1,70717	1,012035572	N/A	N/A	N/A	Inc-LY86-1
A_22_P00002581	1,55061	1,53335	1,012035572	ENST00000581170	N/A	AK292743	N/A
A_24_P231026	1,58357	1,56631	1,012035572	ENST00000354534	6334	NM_014191	SCN8A
A_22_P00013490	1,38417	1,36691	1,012035572	N/A	101928817	XR_245804	LOC101928817
A_22_P00018690	1,67057	1,65332	1,012028557	ENST00000513926	N/A	N/A	N/A
A_21_P0005513	1,65876	1,64152	1,012021542	N/A	N/A	N/A	Inc-SGCE-1
A_22_P00021665	1,52846	1,51125	1,012000498	N/A	N/A	N/A	Inc-BRMS1L-4
A_33_P3460460	8,20871	8,1915	1,012000498	N/A	91370	BC008289	MGC20647
A_21_P0003695	1,48299	1,46578	1,012000498	N/A	N/A	N/A	Inc-ZFP42-4
A_33_P3402313	1,51745	1,50027	1,011979454	ENST00000295269	389015	NM_001011552	SLC9A4
A_21_P0010880	5,20461	5,18743	1,011979454	N/A	N/A	N/A	XLOC_I2_001972
A_22_P00023411	1,50689	1,48972	1,01197244	N/A	N/A	N/A	Inc-MYNN-1
A_21_P0012192	1,71605	1,69888	1,01197244	N/A	N/A	N/A	XLOC_I2_009172
A_21_P0010008	1,5161	1,49893	1,01197244	N/A	N/A	N/A	Inc-DZANK1-3
A_32_P54037	1,55631	1,53915	1,011965425	ENST00000344280	120935	NM_182496	CCDC38
A_21_P0007822	1,56304	1,54588	1,011965425	N/A	N/A	N/A	Inc-EIF2S3L-1-2
A_21_P0006849	1,64106	1,6239	1,011965425	N/A	N/A	N/A	Inc-LYZL1-4
A_23_P60718	7,79746	7,78031	1,011958411	ENST00000330817	79087	NM_024105	ALG12
A_24_P927041	1,58277	1,56562	1,011958411	ENST00000305817	23627	NM_012409	PRND
A_23_P9565	1,53322	1,51608	1,011951397	ENST00000305626	83452	NM_031296	RAB33B
A_33_P3285444	1,39394	1,3768	1,011951397	ENST00000276602	7013	NM_017489	TERF1
A_33_P3374394	1,54353	1,5264	1,011944382	ENST00000461266	55898	NM_001039675	UNC45A
A_22_P00013432	1,40794	1,39082	1,011937368	N/A	N/A	N/A	Inc-RP11-257K9.7.1-2
A_33_P3312784	1,81059	1,79347	1,011937368	N/A	N/A	N/A	N/A
A_23_P64919	1,52173	1,50462	1,011930354	ENST00000229002	79785	NM_024730	RERGL
A_33_P3278635	1,52377	1,50666	1,011930354	ENST00000374510	255220	NM_001003936	TXNDC8
A_23_P26994	1,4458	1,42869	1,011930354	ENST00000515635	2793	NM_031498	GNGT2
A_21_P0006607	1,62725	1,61015	1,01192334	N/A	N/A	N/A	Inc-KDM5D-4
A_33_P3382086	11,8621	11,845	1,01192334	ENST00000615744	84331	NM_138418	FAM195A
A_24_P298545	10,8974	10,8803	1,01192334	ENST00000620639	113835	NM_033468	ZNF257

A_21_P0011195	1,67384	1,65675	1,011916326	ENST00000610194	100874178	XR_246656	LINC00454
A_33_P3509233	1,36059	1,34351	1,011909312	ENST00000468646	285286	NR_104116	LINC00877
A_33_P3354464	5,93773	5,92065	1,011909312	ENST00000566530	4016	NM_005576	LOXL1
A_22_P00000185	1,49228	1,4752	1,011909312	ENST00000565938	N/A	XR_424667	N/A
A_24_P49371	8,93006	8,91299	1,011902298	ENST00000502889	54969	NM_017867	C4orf27
A_22_P00012662	1,59125	1,5742	1,01188827	N/A	N/A	N/A	Inc-PYDC2-4
A_22_P00020431	1,63819	1,62116	1,011874242	ENST00000521224	N/A	N/A	N/A
A_21_P0005584	1,50831	1,49128	1,011874242	ENST00000477392	285972	NR_034033	LINC00996
A_22_P00008304	4,96368	4,94666	1,011867228	N/A	N/A	BC073814	Inc-ITGAL-3
A_22_P00024365	1,52391	1,50689	1,011867228	N/A	N/A	DA734982	Inc-LRMP-2
A_23_P258483	1,48567	1,46866	1,011860215	ENST00000434982	79722	NM_024669	ANKRD55
A_21_P0012753	3,02475	3,00774	1,011860215	N/A	N/A	N/A	XLOC_I2_010888
A_24_P396720	11,2937	11,2767	1,011853201	ENST00000358506	5500	NM_002709	PPP1CB
A_23_P255884	13,8414	13,8244	1,011853201	ENST00000449733	2934	NM_198252	GSN
A_24_P344976	1,5285	1,51151	1,011846187	ENST00000374495	407	NM_004312	ARR3
A_32_P157391	1,37782	1,36084	1,011839174	ENST00000529567	219595	NM_153696	FOLH1B
A_22_P00002879	1,47707	1,4601	1,01183216	N/A	102723896	XR_425759	LOC102723896
A_33_P3220137	1,57997	1,56302	1,011818133	ENST00000371968	340596	NM_178175	LHFPL1
A_33_P3230822	1,58484	1,5679	1,01181112	ENST00000593323	646508	N/A	FAM90A27P
A_21_P0005998	1,5667	1,54976	1,01181112	ENST00000429581	101929428	N/A	PTPRD-AS2
A_22_P00006283	1,59698	1,58006	1,011797094	N/A	N/A	N/A	Inc-FAM78A-3
A_21_P0001392	1,47594	1,45903	1,01179008	ENST00000442621	148756	NR_125716	OVAAL
A_33_P3329428	1,58873	1,57182	1,01179008	ENST00000360870	7273	NM_133379	TTN
A_33_P3287760	1,50743	1,49053	1,011783067	ENST00000395809	221002	NM_001282862	RASGEF1A
A_33_P3212764	1,57712	1,56022	1,011783067	N/A	647662	AK097358	FLJ40039
A_33_P3404814	1,65191	1,63501	1,011783067	ENST00000262493	2775	NM_020988	GNAO1
A_24_P764690	2,77383	2,75693	1,011783067	ENST00000544044	N/A	XR_424689	N/A
A_33_P3408949	1,4907	1,47382	1,011769041	ENST00000335730	125336	AK127869	LOXHD1
A_22_P00014410	1,58261	1,56573	1,011769041	ENST00000443092	100506680	NR_103450	SACS-AS1
A_23_P168909	1,55886	1,54198	1,011769041	ENST00000407775	23414	NM_012082	ZFPM2
A_22_P00020842	1,58107	1,5642	1,011762028	N/A	N/A	N/A	Inc-SEPHS2-2
A_22_P00021582	1,45345	1,43658	1,011762028	N/A	N/A	DB038929	Inc-TMEM114-4
A_22_P00002536	6,89204	6,87517	1,011762028	ENST00000579629	N/A	N/A	N/A

A_33_P3410232	1,48424	1,4674	1,011740989	N/A	79136	NR_024541	LY6G6E
A_22_P00012025	1,63268	1,61584	1,011740989	N/A	100506866	NR_038271	TTN-AS1
A_22_P00024249	1,51198	1,49515	1,011733976	N/A	N/A	N/A	Inc-LRRC38-2
A_22_P00019437	1,41901	1,40218	1,011733976	ENST00000453774	102723646	N/A	LOC102723646
A_33_P3263293	1,51349	1,49666	1,011733976	N/A	N/A	N/A	N/A
A_33_P3222822	1,58568	1,56885	1,011733976	ENST00000493858	401388	NM_001201450	C7orf76
A_24_P13831	1,64461	1,62778	1,011733976	ENST00000610485	124460	NM_182854	SNX20
A_21_P0011222	1,65774	1,64092	1,011726964	N/A	101928922	N/A	LINC00463
A_21_P0008584	1,66957	1,65276	1,011719951	N/A	N/A	N/A	Inc-MKRN3-1
A_21_P0004738	1,57962	1,56281	1,011719951	N/A	N/A	N/A	Inc-PRL-4
A_22_P00025771	1,45505	1,43824	1,011719951	ENST00000451707	N/A	N/A	N/A
A_21_P0007993	1,48886	1,47205	1,011719951	ENST00000452288	N/A	N/A	N/A
A_24_P374564	1,66535	1,64855	1,011712938	N/A	N/A	N/A	N/A
A_22_P00000697	1,62141	1,60461	1,011712938	N/A	N/A	N/A	Inc-ADAM22-3
A_33_P3356846	5,15177	5,13499	1,011698913	ENST00000512528	345778	NM_001010891	MTX3
A_23_P59051	1,53187	1,51509	1,011698913	ENST00000377850	10246	NM_005835	SLC17A2
A_24_P99639	4,14915	4,13237	1,011698913	ENST00000268766	284086	NM_178170	NEK8
A_22_P00010977	1,48663	1,46986	1,0116919	N/A	N/A	N/A	Inc-NRIP2-7
A_22_P00015619	1,58273	1,56596	1,0116919	ENST00000437290	N/A	N/A	N/A
A_23_P146783	1,4939	1,47713	1,0116919	ENST00000618972	4703	NM_004543	NEB
A_22_P00013688	1,49034	1,47358	1,011684888	N/A	N/A	N/A	Inc-RP11-728F11.4.1-1
A_22_P00004805	1,48366	1,4669	1,011684888	N/A	N/A	N/A	Inc-CXXC11-1
A_22_P00018390	1,58429	1,56754	1,011677875	N/A	N/A	N/A	Inc-AP1S2-2
A_22_P00018917	1,50021	1,48346	1,011677875	ENST00000437772	N/A	N/A	N/A
A_33_P3250939	1,58533	1,56858	1,011677875	ENST00000282878	115827	NM_138453	RAB3C
A_33_P3308706	5,23688	5,22014	1,011670863	ENST00000525257	55031	NM_001282659	USP47
A_33_P3390924	1,58228	1,56554	1,011670863	N/A	N/A	AK093262	Inc-MRPL32-1
A_21_P0008263	1,55634	1,5396	1,011670863	N/A	102724113	XR_429271	LOC102724113
A_22_P00009111	1,48122	1,46449	1,011663851	N/A	N/A	CD242461	Inc-LIN28B-2
A_22_P00025440	1,3742	1,35748	1,011656838	N/A	100852408	NR_046219	EGFLAM-AS4
A_22_P00014732	1,63882	1,6221	1,011656838	N/A	N/A	BC015376	Inc-SLC30A1-1
A_23_P258689	11,0231	11,0064	1,011642814	ENST00000297440	54919	NM_017802	DNAAF5
A_23_P64448	1,58497	1,56827	1,011642814	ENST00000332601	8590	NM_003696	OR6A2

A_23_P133722	1,58127	1,56457	1,011642814	ENST00000505118	167	NM_001131	CRISP1
A_33_P3358049	1,51397	1,49727	1,011642814	ENST00000415846	342618	NM_001129820	SLFN14
A_23_P141549	17,0019	16,9852	1,011642814	ENST00000406376	6201	NM_001011	RPS7
A_21_P0005871	1,49781	1,48112	1,011635802	N/A	N/A	N/A	Inc-TMEM55A-3
A_24_P27513	1,39703	1,38035	1,01162879	ENST00000478060	85445	NM_033401	CNTNAP4
A_22_P00016180	1,55368	1,537	1,01162879	N/A	N/A	N/A	Inc-TLE3-3
A_22_P00018826	1,60913	1,59245	1,01162879	N/A	100874097	NR_046668	UBE2Q1-AS1
A_22_P00003209	1,6173	1,60062	1,01162879	N/A	N/A	N/A	Inc-CA8-4
A_22_P00018834	1,69484	1,67817	1,011621778	N/A	503569	NR_033932	RGMB-AS1
A_24_P709476	1,5038	1,48714	1,011614766	ENST00000447380	150568	NR_015399	LINC01102
A_22_P00001675	1,40495	1,38829	1,011614766	N/A	N/A	N/A	Inc-ASPH-2
A_21_P0006963	1,48311	1,46645	1,011614766	N/A	N/A	N/A	Inc-PRKCQ-2
A_22_P00006728	1,46053	1,44387	1,011614766	ENST00000557506	N/A	N/A	N/A
A_24_P93633	4,62103	4,60438	1,011607754	ENST00000380424	55667	AK000627	DENND4C
A_21_P0008033	1,60554	1,58889	1,011607754	N/A	N/A	N/A	Inc-SGCG-3
A_24_P86868	9,99168	9,97503	1,011607754	ENST00000464099	399818	NM_212554	METTLL10
A_33_P3328274	1,50036	1,48372	1,011600742	N/A	N/A	N/A	N/A
A_22_P00001806	1,58481	1,56817	1,011600742	N/A	N/A	N/A	Inc-ATP6V1B2-2
A_33_P3355580	2,58427	2,56764	1,01159373	ENST00000354530	392360	NR_027917	CTSL3P
A_24_P101642	1,47369	1,45706	1,01159373	ENST00000570121	N/A	N/A	N/A
A_22_P00001991	1,58285	1,56623	1,011586718	ENST00000413056	N/A	N/A	N/A
A_33_P3213707	1,58002	1,5634	1,011586718	ENST00000397747	80380	NM_025239	PDCD1LG2
A_33_P3368044	1,53475	1,51814	1,011579706	ENST00000296824	133957	AK126844	CCDC127
A_23_P135499	12,1081	12,0915	1,011572695	ENST00000374379	25932	NM_013943	CLIC4
A_24_P925799	1,50522	1,48862	1,011572695	ENST00000390369	N/A	X04931	N/A
A_24_P191833	10,2019	10,1853	1,011572695	ENST00000284041	140890	NM_139168	SREK1
A_23_P409951	17,8894	17,8728	1,011572695	ENST00000592727	4946	NM_004152	OAZ1
A_22_P00009737	1,49154	1,47495	1,011565683	ENST00000553747	100506433	NR_039996	LINC00648
A_21_P0012863	1,55899	1,5424	1,011565683	ENST00000511707	101928176	N/A	LINC01411
A_19_P00316846	1,50911	1,49253	1,011558671	N/A	N/A	N/A	Inc-AKR1C2-4
A_22_P00018054	4,44068	4,42412	1,011544648	N/A	N/A	BX482559	Inc-ZNF286A-3
A_22_P00005655	1,37407	1,35751	1,011544648	ENST00000451556	N/A	AA421413	N/A
A_23_P15639	9,46303	9,44648	1,011537637	ENST00000583221	64149	NM_022344	C17orf75

A_22_P00018165	1,51686	1,50031	1,011537637	ENST00000587395	100631378	NR_040015	LOC100631378
A_21_P0008333	5,51127	5,49473	1,011530625	N/A	N/A	N/A	Inc-ABHD12B-4
A_22_P00011336	1,45799	1,44145	1,011530625	ENST00000477099	N/A	N/A	N/A
A_22_P00013931	1,57794	1,5614	1,011530625	ENST00000423568	N/A	N/A	N/A
A_21_P0011170	1,66328	1,64674	1,011530625	ENST00000444553	N/A	N/A	N/A
A_21_P0012172	1,50592	1,48938	1,011530625	N/A	N/A	N/A	XL0C_I2_008996
A_21_P0006736	1,54446	1,52793	1,011523614	N/A	N/A	N/A	Inc-C10orf31-8
A_22_P00018587	1,52775	1,51123	1,011516603	N/A	N/A	N/A	Inc-FAM126B-2
A_22_P00006025	1,49361	1,47709	1,011516603	ENST00000520881	N/A	DA874789	N/A
A_22_P00024217	4,24952	4,23301	1,011509591	N/A	N/A	AK055524	Inc-AP3M1-1
A_22_P00012121	1,37579	1,35928	1,011509591	N/A	N/A	AV761168	Inc-POLE3-1
A_22_P00006981	1,3604	1,34389	1,011509591	ENST00000447260	101928271	XR_244595	LOC101928271
A_33_P3417582	1,53935	1,52284	1,011509591	N/A	N/A	N/A	N/A
A_23_P386411	10,0579	10,0414	1,01150258	ENST00000307720	5481	NM_005038	PPID
A_22_P00003941	1,45906	1,44256	1,01150258	N/A	N/A	N/A	Inc-CHAC1-3
A_33_P3378491	1,46234	1,44585	1,011495569	ENST00000390373	N/A	AY124781	N/A
A_33_P3424848	1,37258	1,3561	1,011488558	N/A	339059	NR_120387	LOC339059
A_22_P00008273	1,56001	1,54353	1,011488558	ENST00000558156	N/A	XM_001719300	N/A
A_23_P112327	1,51356	1,49708	1,011488558	ENST00000619164	29991	NM_014582	OBP2A
A_23_P300056	4,19783	4,18136	1,011481547	ENST00000315554	998	NM_044472	CDC42
A_21_P0010946	1,6287	1,61223	1,011481547	ENST00000604933	100996567	NR_103828	ANTXRLP1
A_22_P00007032	1,42786	1,4114	1,011474536	N/A	N/A	N/A	Inc-GJA10-2
A_21_P0001297	1,6963	1,67986	1,011460514	N/A	N/A	N/A	Inc-CPT2-1
A_22_P00007380	1,51493	1,49851	1,011446492	ENST00000518090	N/A	N/A	N/A
A_22_P00018224	1,42793	1,41151	1,011446492	N/A	N/A	N/A	Inc-ZNF676-1
A_24_P141688	10,691	10,6746	1,011432471	ENST00000447282	5094	NM_005016	PCBP2
A_21_P0001836	1,50089	1,4845	1,01142546	N/A	N/A	N/A	Inc-MYCN-6
A_22_P00011441	1,55281	1,53642	1,01142546	N/A	N/A	N/A	Inc-PANK3-3
A_22_P00015467	1,46244	1,44605	1,01142546	N/A	N/A	N/A	Inc-ST7L-1
A_21_P0002601	1,67357	1,65718	1,01142546	N/A	N/A	N/A	Inc-ATOH8-2
A_21_P0009144	1,73229	1,71592	1,011411439	N/A	N/A	N/A	Inc-MTHFSD-5
A_22_P00021787	5,48992	5,47355	1,011411439	ENST00000441338	N/A	N/A	N/A
A_21_P0003165	1,68825	1,67189	1,011404428	N/A	N/A	N/A	Inc-KLF15-2



A_22_P00023538	1,57788	1,56153	1,011397418	ENST00000560296	N/A	DA957648	N/A
A_33_P3253852	1,3682	1,35186	1,011390407	N/A	N/A	AK128083	Inc-ACSL1-3
A_21_P0000048	1,48255	1,46621	1,011390407	N/A	27185	NM_001164542	DISC1
A_22_P00021235	1,5548	1,53846	1,011390407	ENST00000565771	N/A	BX113191	N/A
A_21_P0004523	1,51283	1,4965	1,011383397	N/A	N/A	N/A	Inc-C5orf30-2
A_33_P3287897	1,55076	1,53443	1,011383397	N/A	N/A	N/A	N/A
A_21_P0009105	1,40335	1,38703	1,011376386	ENST00000564102	N/A	N/A	N/A
A_22_P00013362	1,54839	1,53207	1,011376386	ENST00000548194	N/A	CR745651	N/A
A_24_P910667	1,61293	1,59661	1,011376386	ENST00000623925	N/A	AF220235	N/A
A_22_P00021678	1,56279	1,54647	1,011376386	N/A	N/A	N/A	Inc-KCNG3-2
A_33_P3335458	1,48158	1,46527	1,011369376	ENST00000418428	N/A	N/A	N/A
A_21_P0001728	1,57444	1,55814	1,011362366	N/A	N/A	N/A	Inc-DMRTA2-3
A_32_P50522	12,1577	12,1414	1,011362366	ENST00000618612	2280	NM_000801	FKBP1A
A_33_P3380682	7,72412	7,70783	1,011355356	ENST00000367871	9519	NM_001253676	TBPL1
A_33_P3300430	1,66771	1,65142	1,011355356	ENST00000270509	84467	NM_032447	FBN3
A_32_P499005	1,46763	1,45135	1,011348346	ENST00000610688	388882	NR_110539	LOC388882
A_33_P3284212	1,70213	1,68585	1,011348346	ENST00000314556	89882	NM_001001874	TPD52L3
A_33_P3399228	1,5405	1,52423	1,011341335	ENST00000355300	84894	NM_001301191	LINGO1
A_21_P0011077	1,62636	1,61009	1,011341335	ENST00000536518	101929584	NR_120477	LOC101929584
A_22_P00023890	1,56693	1,55067	1,011334325	N/A	N/A	N/A	Inc-P2RX3-1
A_22_P00011395	1,38248	1,36622	1,011334325	ENST00000418369	N/A	N/A	N/A
A_21_P0012848	1,50958	1,49332	1,011334325	N/A	N/A	N/A	XLOC_I2_011744
A_21_P0007728	1,50602	1,48977	1,011327315	N/A	N/A	N/A	Inc-E2F7-2
A_22_P00025911	1,6141	1,59786	1,011320305	ENST00000449673	N/A	N/A	N/A
A_33_P3304081	7,48104	7,4648	1,011320305	ENST00000489727	N/A	N/A	N/A
A_23_P361495	1,57375	1,55752	1,011313295	ENST00000456903	11016	NM_006856	ATF7
A_22_P00008200	1,57279	1,55656	1,011313295	N/A	N/A	N/A	Inc-INTS12-1
A_22_P00019227	1,61887	1,60264	1,011313295	ENST00000434176	N/A	N/A	N/A
A_33_P3389771	1,62197	1,60574	1,011313295	ENST00000400578	378948	NM_001006121	RBMY1B
A_22_P00010256	1,66832	1,6521	1,011306286	N/A	N/A	N/A	Inc-MTERFD2-2
A_32_P224525	1,49448	1,47826	1,011306286	ENST00000506143	131873	NM_001102608	COL6A6
A_22_P00004787	5,57288	5,55666	1,011306286	N/A	440952	NR_033965	EIF1B-AS1
A_21_P0007631	1,44285	1,42664	1,011299276	N/A	N/A	N/A	Inc-RP11-116D17.1.1-8

A_33_P3365985	10,4685	10,4523	1,011292266	ENST00000624051	N/A	XR_428277	N/A
A_33_P3391955	1,50604	1,48984	1,011292266	ENST00000503243	101929762	NR_125931	LOC101929762
A_22_P00009869	1,36938	1,35318	1,011292266	ENST00000582700	N/A	N/A	N/A
A_21_P0004350	1,72823	1,71204	1,011285256	N/A	N/A	N/A	Inc-SLC12A7-1
A_23_P331063	1,4868	1,47061	1,011285256	ENST00000304801	5232	NM_138733	PGK2
A_23_P24457	1,58257	1,56638	1,011285256	ENST00000530763	57689	NM_020929	LRRC4C
A_33_P3283030	1,4564	1,44023	1,011271237	ENST00000391353	100533177	NM_001257309	KRTAP29-1
A_33_P3363271	1,43471	1,41854	1,011271237	ENST00000377329	783	NM_000724	CACNB2
A_33_P3321007	1,76118	1,74501	1,011271237	N/A	401463	NR_015374	LOC401463
A_21_P0009518	1,64688	1,63071	1,011271237	N/A	N/A	N/A	Inc-LAMA1-4
A_33_P3223923	9,07534	9,05919	1,011257218	ENST00000300289	2923	NM_005313	PDIA3
A_22_P00022504	1,65683	1,64068	1,011257218	N/A	100127967	NR_126005	KRT73-AS1
A_33_P3344521	1,57378	1,55764	1,011250208	N/A	N/A	N/A	N/A
A_33_P3409544	1,5254	1,50927	1,011243199	N/A	N/A	N/A	N/A
A_23_P167250	1,58607	1,56994	1,011243199	ENST00000264497	59067	NM_021803	IL21
A_33_P3455790	1,58014	1,56401	1,011243199	ENST00000414116	401312	NR_122075	LOC401312
A_24_P917759	1,57738	1,56126	1,01123619	N/A	N/A	N/A	Inc-THUMPD1-1
A_23_P385843	1,51166	1,49554	1,01123619	ENST00000382388	140850	NM_139074	DEFB127
A_22_P00019085	4,7196	4,70348	1,01123619	N/A	N/A	N/A	Inc-CLCNKB-2
A_21_P0005783	1,56862	1,5525	1,01123619	N/A	N/A	N/A	Inc-ERICH1-2
A_21_P0003761	1,52721	1,5111	1,01122918	N/A	N/A	N/A	Inc-RP11-455G16.1.1-1
A_21_P0010756	1,47128	1,45517	1,01122918	ENST00000505841	199974	NM_178134	CYP4Z1
A_24_P196117	12,8174	12,8013	1,011222171	ENST00000607778	404672	NM_207118	GTF2H5
A_21_P0011437	1,3797	1,3636	1,011222171	N/A	N/A	N/A	XLOC_I2_005197
A_23_P80242	1,56669	1,5506	1,011215162	ENST00000494013	23544	NM_021115	SEZ6L
A_23_P410115	1,64974	1,63366	1,011208153	ENST00000325157	150350	NM_152512	ENTHD1
A_21_P0006558	1,50712	1,49104	1,011208153	N/A	N/A	N/A	Inc-CXorf22-1
A_22_P00003835	2,66436	2,64829	1,011201143	N/A	N/A	N/A	Inc-CDYL2-3
A_23_P164405	1,59044	1,57438	1,011194134	ENST00000394015	85294	NM_033184	KRTAP2-4
A_33_P3259447	1,58304	1,56698	1,011194134	ENST00000567226	645752	NR_027024	LOC645752
A_19_P00322354	1,47121	1,45515	1,011194134	N/A	100505881	NR_038343	MAGI2-AS3
A_21_P0013325	7,70575	7,68969	1,011194134	N/A	N/A	N/A	XLOC_I2_013873
A_33_P3293396	6,00548	5,98944	1,011180116	ENST00000368820	339398	NM_001004432	LINGO4

A_32_P901770	1,66828	1,65226	1,011166098	ENST00000270691	83715	NM_031475	ESPN
A_22_P00018217	1,56292	1,5469	1,011166098	N/A	N/A	AK090676	Inc-ZNF667-2
A_21_P0005952	1,7714	1,75539	1,01115909	N/A	N/A	N/A	Inc-MYC-2
A_33_P3329128	1,73086	1,71485	1,01115909	N/A	729930	NR_077244	LOC729930
A_22_P00025162	4,13195	4,11594	1,01115909	ENST00000456553	256643	NM_198279	CXorf23
A_33_P3331491	10,7867	10,7707	1,011152081	ENST00000568641	728392	NM_001162371	LOC728392
A_21_P0013488	1,43032	1,41432	1,011152081	N/A	N/A	N/A	XLOC_I2_014217
A_22_P00009175	1,61214	1,59614	1,011152081	ENST00000565055	N/A	N/A	N/A
A_22_P00019973	1,64784	1,63185	1,011145072	ENST00000568714	N/A	N/A	N/A
A_23_P334892	7,9969	7,98092	1,011138063	ENST00000396568	284114	NM_178518	TMEM102
A_33_P3390342	6,39898	6,38302	1,011124046	N/A	100131257	NR_034022	LOC100131257
A_24_P100613	1,46664	1,45068	1,011124046	ENST00000579014	284217	NM_005559	LAMA1
A_22_P00017878	1,57891	1,56295	1,011124046	N/A	N/A	N/A	Inc-ZEB2-1
A_22_P00019252	1,5779	1,56194	1,011124046	ENST00000546710	N/A	BF211919	N/A
A_23_P206684	9,38179	9,36584	1,011117038	ENST00000359154	11060	NM_199424	WWP2
A_33_P3213665	1,57697	1,56102	1,011117038	ENST00000500381	728084	N/A	LOC728084
A_22_P00018728	1,64547	1,62953	1,011110029	N/A	101928817	XR_245804	LOC101928817
A_21_P0004198	1,57858	1,56264	1,011110029	N/A	N/A	N/A	Inc-NDUFS6-7
A_22_P00013799	1,54084	1,5249	1,011110029	N/A	N/A	N/A	Inc-RP4-604K5.1.1-1
A_33_P3293958	1,45725	1,44131	1,011110029	N/A	N/A	BC131577	N/A
A_21_P0009345	1,5108	1,49487	1,011103021	ENST00000580942	400612	NR_126169	LOC400612
A_21_P0002278	1,57567	1,55974	1,011103021	N/A	N/A	N/A	Inc-GLI2-4
A_33_P3403392	6,7591	6,74318	1,011096012	ENST00000538851	65985	NM_023928	AACS
A_24_P145529	1,49509	1,47917	1,011096012	N/A	163720	AK097373	CYP4Z2P
A_21_P0008171	1,55287	1,53695	1,011096012	N/A	N/A	N/A	Inc-DIAPH3-1
A_22_P00020909	1,55962	1,5437	1,011096012	N/A	102724484	NR_120522	LOC102724484
A_33_P3329013	1,57914	1,56322	1,011096012	ENST00000357585	6752	NM_001050	SSTR2
A_33_P3471466	1,42482	1,40891	1,011089004	ENST00000460005	145497	NM_194287	LRRC74A
A_21_P0004452	1,53644	1,52054	1,011081996	N/A	102723929	XR_425920	LOC102723929
A_22_P00007512	1,66843	1,65254	1,011074987	N/A	102723866	XR_424351	LOC102723866
A_33_P3497502	1,56638	1,55049	1,011074987	N/A	283475	AL833568	LOC283475
A_22_P00022439	1,56763	1,55174	1,011074987	ENST00000330469	9096	BC040697	TBX18
A_33_P3316394	7,13685	7,12097	1,011067979	ENST00000354197	79744	NM_001098491	ZNF419

A_33_P3264974	1,67005	1,65417	1,011067979	ENST00000382007	N/A	N/A	N/A
A_22_P00010136	1,52551	1,50964	1,011060971	ENST00000448063	N/A	N/A	N/A
A_22_P00006924	1,54865	1,53279	1,011053963	ENST00000456526	N/A	N/A	N/A
A_21_P0014713	1,53439	1,51854	1,011046955	N/A	N/A	N/A	N/A
A_23_P430271	1,63126	1,61542	1,011039947	ENST00000368614	80313	NM_030626	LRRRC27
A_24_P935986	1,66953	1,65369	1,011039947	ENST00000261192	586	NM_005504	BCAT1
A_22_P00009628	1,57784	1,562	1,011039947	N/A	N/A	DA294692	Inc-MARCKS-5
A_33_P3293903	1,58523	1,5694	1,011032939	ENST00000370458	2334	X95463	AFF2
A_21_P0004560	1,39747	1,38164	1,011032939	N/A	N/A	N/A	Inc-ZNF366-2
A_22_P00016463	1,51451	1,49868	1,011032939	ENST00000534723	N/A	N/A	N/A
A_21_P0010595	8,77163	8,75581	1,011025931	ENST00000414742	26260	NM_183420	FBXO25
A_33_P3706494	1,51115	1,49534	1,011018923	ENST00000589376	284294	NR_033881	LOC284294
A_21_P0005751	1,5755	1,55969	1,011018923	ENST00000522390	N/A	N/A	N/A
A_21_P0002614	6,66961	6,6538	1,011018923	N/A	N/A	N/A	Inc-LYPD6-1
A_21_P0011185	6,06098	6,04518	1,011011915	N/A	N/A	N/A	XLOC_I2_003992
A_21_P0011733	1,36151	1,34571	1,011011915	N/A	100505851	XR_109588	LOC100505851
A_22_P00009806	1,50506	1,48926	1,011011915	ENST00000558262	N/A	BM558120	N/A
A_23_P112397	11,7779	11,7621	1,011011915	ENST00000483559	54461	NM_018998	FBXW5
A_33_P3323847	12,7401	12,7243	1,011011915	ENST00000617875	9401	NM_004260	RECQL4
A_21_P0012382	1,4807	1,46491	1,011004907	ENST00000462219	255025	N/A	LINC00879
A_22_P00014902	1,56507	1,54928	1,011004907	N/A	N/A	BM285387	Inc-SLC9A4-1
A_22_P00015697	1,52402	1,50823	1,011004907	N/A	N/A	N/A	Inc-SYNGR1-1
A_19_P00320354	1,40852	1,39273	1,011004907	N/A	N/A	N/A	XLOC_I2_013542
A_33_P3412320	1,57972	1,56394	1,0109979	N/A	100128164	NR_024409	LOC100128164
A_33_P3288725	3,58183	3,56606	1,010990892	N/A	N/A	CU678159	N/A
A_23_P131263	1,65303	1,63726	1,010990892	ENST00000359962	58538	NM_033066	MPP4
A_21_P0001510	1,49899	1,48323	1,010983884	N/A	N/A	N/A	Inc-PPAP2B-1
A_21_P0006616	1,53196	1,51621	1,010976877	ENST00000451929	283033	NR_033846	LINC00841
A_33_P3394471	1,65873	1,64298	1,010976877	ENST00000390425	N/A	N/A	N/A
A_21_P0011438	7,36712	7,35137	1,010976877	N/A	N/A	N/A	XLOC_I2_005198
A_21_P0003220	1,53657	1,52083	1,010969869	ENST00000429949	100996597	NR_103843	LINC00690
A_21_P0004510	1,53751	1,52177	1,010969869	N/A	N/A	N/A	Inc-HEXB-1
A_22_P00003560	1,64196	1,62624	1,010955854	ENST00000506420	N/A	N/A	N/A

A_22_P00019655	1,64085	1,62513	1,010955854	N/A	N/A	N/A	Inc-GRM6-1
A_33_P3301897	1,41712	1,4014	1,010955854	ENST00000390373	N/A	AY124781	N/A
A_21_P0014315	1,71598	1,70027	1,010948847	N/A	N/A	N/A	N/A
A_33_P3230668	1,57448	1,55877	1,010948847	N/A	100131232	AK090761	LOC100131232
A_21_P0002970	1,6651	1,6494	1,01094184	ENST00000482677	101927111	NR_109992	SUCLG2-AS1
A_23_P167159	1,59425	1,57856	1,010934832	ENST00000512188	11341	NM_007281	SCRG1
A_21_P0008195	1,6384	1,62271	1,010934832	N/A	N/A	N/A	Inc-SLITRK6-2
A_21_P0010575	9,09451	9,07882	1,010934832	ENST00000420335	N/A	N/A	N/A
A_22_P00024874	1,48127	1,46558	1,010934832	ENST00000432251	N/A	N/A	N/A
A_33_P3282359	3,45505	3,43938	1,010920818	N/A	284232	NR_027995	ANKRD20A9P
A_22_P00003717	1,48421	1,46854	1,010920818	ENST00000580699	N/A	N/A	N/A
A_33_P3331125	1,57677	1,56112	1,010906804	N/A	154091	NM_145176	SLC2A12
A_22_P00010055	1,52203	1,50639	1,010899797	N/A	100775107	NR_045388	RBM5-AS1
A_33_P3481674	1,66855	1,65293	1,010885783	ENST00000441885	388336	NM_207386	SHISA6
A_22_P00019423	1,57614	1,56053	1,010878776	ENST00000438677	252950	NR_001550	TTY18
A_22_P00021956	1,63817	1,62258	1,010864762	ENST00000511453	N/A	N/A	N/A
A_22_P00021082	1,51404	1,49846	1,010857755	N/A	N/A	N/A	Inc-ADAMTS18-5
A_24_P281439	1,5762	1,56063	1,010850749	ENST00000328570	401993	NM_001004697	OR2T5
A_33_P3336397	1,52974	1,51417	1,010850749	N/A	100506688	NR_104614	LOC100506688
A_23_P141665	1,56398	1,54841	1,010850749	ENST00000304094	8383	NM_014565	OR1A1
A_22_P00020904	1,54459	1,52903	1,010843742	N/A	N/A	N/A	Inc-ATP6V1E2-4
A_22_P00016585	1,55339	1,53783	1,010843742	ENST00000436974	N/A	N/A	N/A
A_23_P301021	1,56051	1,54495	1,010843742	ENST00000361833	460	NM_004319	ASTN1
A_22_P00007109	1,37554	1,35998	1,010843742	N/A	N/A	N/A	Inc-GLT6D1-1
A_22_P00018719	1,51422	1,49866	1,010843742	ENST00000426609	N/A	N/A	N/A
A_19_P00316164	1,51962	1,50407	1,010836735	ENST00000514368	101928858	XR_425858	LOC101928858
A_23_P138328	1,67894	1,66339	1,010836735	ENST00000460624	148811	NM_152491	PM20D1
A_22_P00014792	1,45542	1,43988	1,010829729	N/A	N/A	N/A	Inc-SLC39A10-3
A_22_P00012390	1,65143	1,6359	1,010822722	N/A	101927069	NR_110647	LOC101927069
A_33_P3748410	1,50236	1,48683	1,010822722	N/A	654841	NR_102371	LOC654841
A_22_P00007626	1,57541	1,55989	1,010815716	N/A	N/A	N/A	Inc-HELZ-2
A_21_P0014541	1,54519	1,52967	1,010815716	N/A	N/A	N/A	N/A
A_21_P0003474	1,65325	1,63774	1,010808709	N/A	N/A	N/A	Inc-TECRL-2

A_24_P161355	16,1146	16,0991	1,010801703	ENST00000456185	N/A	N/A	N/A
A_33_P3230738	17,479	17,4635	1,010801703	N/A	N/A	N/A	N/A
A_33_P3379454	5,98642	5,97093	1,010794697	ENST00000616255	29128	NM_001290050	UHRF1
A_22_P00021491	1,37576	1,36028	1,01078769	N/A	100874084	NR_046618	KCNAB1-AS1
A_22_P00004019	8,91063	8,89515	1,01078769	N/A	N/A	N/A	Inc-CHMP7-2
A_33_P3412013	1,39232	1,37685	1,010780684	ENST00000536054	652972	NR_034087	LRRC37A5P
A_23_P419411	1,49137	1,4759	1,010780684	ENST00000623916	N/A	AF119886	N/A
A_21_P0005390	1,49489	1,47943	1,010773678	N/A	N/A	N/A	Inc-ZNF138-1
A_33_P3273802	1,45423	1,43878	1,010766672	N/A	N/A	N/A	N/A
A_33_P3393667	1,46802	1,45257	1,010766672	ENST00000542354	N/A	AB305689	N/A
A_21_P0007627	1,63724	1,6218	1,010759666	N/A	N/A	N/A	Inc-SDSL-1
A_21_P0009904	1,45405	1,43862	1,01075266	ENST00000428999	101927457	NR_110027	LINC01522
A_22_P00024419	2,89033	2,87491	1,010745654	N/A	N/A	N/A	Inc-SZT2-2
A_23_P10647	1,3893	1,37388	1,010745654	ENST00000307746	54360	NM_018659	CYTL1
A_33_P3227696	2,83793	2,82251	1,010745654	ENST00000564704	6553	AK091748	SLC9A5
A_19_P00316719	1,71155	1,69613	1,010745654	ENST00000451392	646324	N/A	LINC00607
A_21_P0005501	1,67321	1,6578	1,010738648	N/A	N/A	N/A	Inc-SBDS-1
A_22_P00016816	1,51867	1,50327	1,010731642	ENST00000508799	N/A	N/A	N/A
A_33_P6469777	14,7209	14,7055	1,010731642	N/A	84973	NR_024542	SNHG7
A_21_P0012163	1,56944	1,55405	1,010724636	ENST00000478164	728882	N/A	FAM182B
A_23_P88262	1,55645	1,54107	1,01071763	ENST00000390448	N/A	S60789	N/A
A_23_P54736	5,22293	5,20755	1,01071763	ENST00000248150	51764	NM_016541	GNG13
A_33_P3319967	1,62997	1,6146	1,010710625	ENST00000356962	383	NM_001244438	ARG1
A_33_P3385471	1,59374	1,57838	1,010703619	ENST00000446524	403253	NM_001005512	OR4A47
A_33_P3209566	1,51158	1,49624	1,010689608	N/A	N/A	N/A	N/A
A_32_P465742	1,41638	1,40106	1,010675597	ENST00000541509	8395	NM_003558	PIP5K1B
A_21_P0006701	1,45526	1,43995	1,010668591	ENST00000452286	N/A	N/A	N/A
A_33_P3468614	1,59162	1,57631	1,010668591	ENST00000580017	N/A	AK057304	N/A
A_33_P3342917	9,15508	9,13977	1,010668591	ENST00000225777	9144	NM_004710	SYNGR2
A_33_P3359923	1,47913	1,46383	1,010661586	ENST00000457514	399968	NM_001144874	PATE4
A_33_P3413945	1,57635	1,56106	1,01065458	N/A	N/A	N/A	N/A
A_21_P0000551	2,86028	2,845	1,010647575	ENST00000432330	100294720	NR_027994	NHEG1
A_21_P0003533	1,52623	1,51097	1,010633565	ENST00000514134	N/A	N/A	N/A

A_33_P3264910	1,50801	1,49275	1,010633565	ENST00000368592	84504	NM_177400	NKX6-2
A_21_P0000586	6,60945	6,59421	1,010619554	N/A	286495	NR_030737	TTC3P1
A_21_P0009052	1,69296	1,67773	1,010612549	N/A	N/A	N/A	Inc-TK2-3
A_21_P0002926	1,45573	1,44051	1,010605544	N/A	N/A	N/A	Inc-CHL1-2
A_32_P159334	1,71344	1,69822	1,010605544	ENST00000444129	5965	NM_002907	RECQL
A_22_P00005492	1,50668	1,49147	1,010598539	N/A	N/A	N/A	Inc-DYRK2-4
A_24_P358146	3,2652	3,25002	1,010577525	ENST00000382990	N/A	N/A	N/A
A_33_P3249314	1,58751	1,57233	1,010577525	ENST00000457166	729156	NR_003934	GTF2IRD1P1
A_22_P00010349	1,48181	1,46664	1,01057052	ENST00000519048	N/A	N/A	N/A
A_32_P208823	1,60627	1,59111	1,010563515	ENST00000315392	57125	NM_020405	PLXDC1
A_22_P00002255	1,50838	1,49322	1,010563515	N/A	N/A	N/A	Inc-C10orf131-1
A_21_P0006787	1,56112	1,54596	1,010563515	ENST00000458489	N/A	N/A	N/A
A_22_P00021136	1,45495	1,4398	1,010556511	N/A	N/A	N/A	Inc-KCNMA1-2
A_33_P3335571	6,33562	6,32048	1,010549506	N/A	100133315	NR_029192	LOC100133315
A_21_P0010370	5,64275	5,62761	1,010549506	ENST00000458154	N/A	N/A	N/A
A_23_P340822	1,47229	1,45716	1,010542501	ENST00000448307	257062	NM_152784	CATSPERD
A_22_P00004233	1,52582	1,5107	1,010535497	N/A	N/A	N/A	Inc-CLVS2-3
A_33_P3857217	1,58321	1,56811	1,010521488	N/A	286189	AK092549	LOC286189
A_23_P66872	11,558	11,5429	1,010521488	ENST00000319004	50628	NM_015721	GEMIN4
A_21_P0002974	1,66757	1,65248	1,010514484	N/A	N/A	N/A	Inc-MITF-4
A_21_P0006895	1,52286	1,50777	1,010514484	N/A	N/A	N/A	Inc-PCGF5-1
A_21_P0003537	1,36355	1,34847	1,010507479	ENST00000502956	N/A	N/A	N/A
A_21_P0012128	1,49205	1,47697	1,010507479	N/A	N/A	N/A	XLOC_I2_008667
A_33_P3327657	1,52891	1,51383	1,010507479	ENST00000342943	55061	N/A	SUSD4
A_22_P00004964	1,50874	1,49367	1,010500475	N/A	N/A	N/A	Inc-DCLRE1B-2
A_23_P87860	1,53224	1,51717	1,010500475	ENST00000228644	4617	NM_005593	MYF5
A_22_P00025855	1,39002	1,37496	1,010493471	N/A	N/A	N/A	Inc-AMMECR1-1
A_21_P0000968	1,46711	1,45206	1,010486467	N/A	100874253	NR_047498	LINC00853
A_21_P0010820	1,58919	1,57414	1,010486467	ENST00000406795	N/A	N/A	N/A
A_21_P0001187	1,54655	1,5315	1,010486467	ENST00000414590	387597	N/A	ILDR2
A_21_P0008738	1,50568	1,49063	1,010486467	N/A	102724553	XR_424631	LOC102724553
A_24_P766716	1,48852	1,47347	1,010486467	ENST00000312143	1240	NM_001142343	CMKLR1
A_21_P0012539	1,37383	1,35879	1,010479463	N/A	N/A	N/A	XLOC_I2_010226

A_22_P00015328	1,59487	1,57983	1,010479463	N/A	N/A	N/A	Inc-SPPL3.1-2
A_21_P0003470	1,52251	1,50747	1,010479463	ENST00000514707	N/A	N/A	N/A
A_22_P00012223	1,58845	1,57341	1,010479463	ENST00000546982	N/A	DB020179	N/A
A_21_P0000555	1,4674	1,45236	1,010479463	ENST00000595299	359806	NR_028270	PCNAP1
A_33_P3395843	1,5424	1,52738	1,010465454	N/A	N/A	N/A	N/A
A_21_P0001791	1,56235	1,54733	1,010465454	ENST00000433133	644838	NR_038844	LOC644838
A_33_P3264514	1,56357	1,54857	1,010451446	ENST00000397648	6285	N/A	S100B
A_21_P0003598	1,37193	1,35696	1,010430435	ENST00000506010	N/A	N/A	N/A
A_22_P00003275	1,64927	1,63432	1,010416428	ENST00000502156	101929076	N/A	LOC101929076
A_33_P3371185	1,48627	1,47133	1,010409424	N/A	N/A	N/A	N/A
A_33_P3744736	1,55836	1,54343	1,01040242	N/A	646736	N/A	LOC646736
A_23_P81103	1,65159	1,63666	1,01040242	ENST00000274063	6423	NM_003013	SFRP2
A_22_P00008092	1,47165	1,45672	1,01040242	ENST00000558086	N/A	N/A	N/A
A_21_P0007146	1,4789	1,46398	1,010395417	N/A	N/A	N/A	Inc-NDUFV1-2
A_33_P3398951	1,58796	1,57305	1,010388413	ENST00000390452	N/A	AM408129	N/A
A_21_P0014031	6,88509	6,87019	1,01038141	ENST00000621329	4137	NM_001123066	MAPT
A_22_P00016561	1,6051	1,5902	1,01038141	ENST00000522187	N/A	BX113090	N/A
A_33_P3326165	1,57782	1,56292	1,01038141	ENST00000397270	723961	NM_001042376	INS-IGF2
A_22_P00023158	1,70645	1,69157	1,010367403	N/A	N/A	AA682775	Inc-RBMXL3-1
A_22_P00014236	1,54271	1,52783	1,010367403	ENST00000556819	N/A	N/A	N/A
A_22_P00010912	1,4732	1,45832	1,010367403	N/A	N/A	N/A	Inc-NPY2R-1
A_21_P0006720	1,57534	1,56046	1,010367403	ENST00000418295	399708	N/A	LINC00701
A_32_P133005	1,62561	1,61074	1,0103604	ENST00000242323	79269	NM_024345	DCAF10
A_33_P3394170	1,62917	1,61433	1,01033939	ENST00000428520	254312	NR_015413	LINC00710
A_33_P3331220	1,49511	1,48027	1,01033939	ENST00000390617	N/A	Z46771	N/A
A_33_P3238611	1,50584	1,49101	1,010332387	N/A	N/A	N/A	N/A
A_32_P88231	1,47711	1,46228	1,010332387	ENST00000426475	285141	NM_001290031	ERICH2
A_21_P0000078	1,47616	1,46134	1,010325384	ENST00000573128	84690	NM_001170699	SPATA22
A_21_P0011901	1,87644	1,86162	1,010325384	N/A	N/A	N/A	XLLOC_I2_007880
A_21_P0007172	1,49256	1,47775	1,010318381	N/A	N/A	N/A	Inc-ADM-1
A_22_P00015758	1,68583	1,67102	1,010318381	N/A	147429	NR_026908	AQP4-AS1
A_23_P153524	6,85241	6,8376	1,010318381	ENST00000408991	55150	NM_018111	C19orf73
A_22_P00000611	1,56961	1,5548	1,010318381	N/A	N/A	AK055876	Inc-ACOT1-3



A_21_P0012783	1,57825	1,56346	1,010304375	ENST00000515127	N/A	N/A	N/A
A_21_P0007625	1,54455	1,52977	1,010297372	N/A	N/A	N/A	Inc-CCDC63-2
A_22_P00014566	1,42195	1,40718	1,010290369	ENST00000466291	N/A	N/A	N/A
A_33_P3414192	1,43534	1,42057	1,010290369	ENST00000452214	114815	NM_001206572	SORCS1
A_33_P3422747	6,96639	6,95163	1,010283366	ENST00000409307	129563	NM_152383	DIS3L2
A_33_P3335057	1,42436	1,40961	1,010276364	N/A	504189	NM_001013356	OR8U8
A_33_P3279388	1,35916	1,34442	1,010269361	N/A	N/A	N/A	N/A
A_21_P0012011	5,31897	5,30424	1,010262358	ENST00000454490	645784	N/A	ANKRD36BP2
A_21_P0003935	1,49698	1,48225	1,010262358	N/A	N/A	N/A	Inc-C5orf43-3
A_33_P3325847	1,3769	1,36219	1,010248353	ENST00000541359	N/A	N/A	N/A
A_33_P3338036	1,65981	1,6451	1,010248353	ENST00000330619	388566	NM_001001668	ZNF470
A_21_P0003738	1,40615	1,39145	1,010241351	N/A	N/A	N/A	Inc-AC021860.1-5
A_21_P0014413	1,57846	1,56377	1,010234348	N/A	N/A	N/A	N/A
A_21_P0012583	8,01126	7,99658	1,010227346	N/A	N/A	N/A	XLOC_I2_010636
A_21_P0006663	1,37186	1,35718	1,010227346	ENST00000456082	101929218	NR_120652	LINC01517
A_21_P0007100	1,45751	1,44283	1,010227346	N/A	N/A	N/A	Inc-ZNF32-2
A_33_P3401179	1,52057	1,50592	1,010206339	N/A	N/A	N/A	N/A
A_21_P0014249	1,6398	1,62515	1,010206339	N/A	N/A	N/A	N/A
A_33_P3364433	5,67617	5,66153	1,010199337	ENST00000415850	91	NM_020328	ACVR1B
A_22_P00008927	1,56946	1,55482	1,010199337	ENST00000623644	N/A	N/A	N/A
A_33_P3620488	6,46828	6,45367	1,010178331	ENST00000492088	57828	NM_021185	CATSPERG
A_33_P3566559	1,57923	1,56462	1,010178331	N/A	285224	NR_037890	DNAJB8-AS1
A_33_P3703637	1,57932	1,56471	1,010178331	N/A	N/A	N/A	Inc-ZNF717-1
A_22_P00005265	1,57979	1,56518	1,010178331	N/A	N/A	N/A	Inc-DMRTA2-2
A_21_P0003188	1,35922	1,34462	1,010171329	N/A	N/A	N/A	Inc-ZBBX-2
A_24_P261470	1,51904	1,50444	1,010171329	ENST00000475737	9379	NM_138732	NRXN2
A_22_P00018363	1,51808	1,50349	1,010164327	N/A	N/A	XM_006718922	Inc-ZW10-1
A_22_P00014076	1,57252	1,55794	1,010157325	N/A	N/A	N/A	Inc-SAP18-1
A_33_P3244168	1,53837	1,52379	1,010157325	N/A	N/A	N/A	N/A
A_21_P0012892	2,97357	2,959	1,010150323	N/A	N/A	N/A	XLOC_I2_011954
A_21_P0009532	1,42729	1,41272	1,010150323	N/A	N/A	N/A	Inc-RP11-863N1.2.1-5
A_22_P00024054	1,60551	1,59095	1,010143321	N/A	N/A	DB053892	Inc-CCL2-7
A_21_P0004958	1,4436	1,42905	1,010136319	N/A	N/A	N/A	Inc-CLDN20-1

A_22_P00004854	1,36887	1,35433	1,010129318	N/A	N/A	BG183796	Inc-CYP2J2-1
A_22_P00004045	1,63266	1,61813	1,010122316	ENST00000532068	N/A	BU176067	N/A
A_23_P97402	1,58235	1,56782	1,010122316	ENST00000009105	57172	NM_020439	CAMK1G
A_33_P3587772	1,50685	1,49232	1,010122316	ENST00000588074	400654	NR_033983	LINC01538
A_22_P00011888	1,53443	1,5199	1,010122316	ENST00000368089	3766	NM_002241	KCNJ10
A_22_P00000214	2,72417	2,70965	1,010115314	ENST00000378526	3980	AK294910	LIG3
A_33_P3364358	1,41151	1,39699	1,010115314	N/A	N/A	N/A	N/A
A_22_P00007399	1,63157	1,61705	1,010115314	ENST00000569215	N/A	BC036623	N/A
A_33_P3320563	1,66882	1,65431	1,010108313	ENST00000303227	392465	NM_001080489	GLOD5
A_22_P00001777	1,52465	1,51014	1,010108313	N/A	N/A	N/A	Inc-ATP1B3-1
A_21_P0006817	1,53017	1,51567	1,010101311	N/A	N/A	N/A	Inc-AKR1E2-5
A_32_P126311	11,1597	11,1452	1,010101311	ENST00000508124	153129	NM_173514	SLC38A9
A_22_P00005124	9,59673	9,58224	1,01009431	N/A	100505681	NR_038452	NAPA-AS1
A_22_P00004444	1,77	1,75551	1,01009431	N/A	102723824	NR_110584	LOC102723824
A_33_P3282733	1,46589	1,4514	1,01009431	N/A	100131395	XR_110093	LOC100131395
A_33_P3380383	1,54048	1,52599	1,01009431	ENST00000537858	497189	NM_001099221	TIFAB
A_33_P3253792	1,83807	1,82358	1,01009431	ENST00000342995	340602	NM_203407	CXorf67
A_33_P3328312	2,03146	2,01698	1,010087308	ENST00000560968	6927	NM_000545	HNF1A
A_22_P00002373	1,60126	1,58679	1,010080307	N/A	N/A	N/A	Inc-C12orf62-1
A_22_P00023733	1,46253	1,44807	1,010073306	N/A	N/A	N/A	Inc-ILK-3
A_24_P376379	1,46836	1,4539	1,010073306	ENST00000397645	647323	NR_033944	LOC647323
A_23_P326020	1,72247	1,70801	1,010073306	ENST00000455883	114788	NM_198123	CSMD3
A_23_P72651	1,57411	1,55965	1,010073306	ENST00000618155	641700	NM_001077693	ECSCR
A_22_P00015927	8,81939	8,80494	1,010066305	N/A	N/A	N/A	Inc-TCL1B-2
A_23_P250136	1,62884	1,61439	1,010066305	ENST00000369138	2898	NM_175768	GRIK2
A_23_P368067	3,08097	3,06653	1,010059303	ENST00000374899	6891	NM_018833	TAP2
A_21_P0006431	1,57514	1,56071	1,010052302	ENST00000412422	101928287	XR_244529	LINC01285
A_22_P00016126	1,5726	1,55817	1,010052302	N/A	N/A	DB086908	Inc-TIGD3-1
A_21_P0002843	1,58169	1,56727	1,010045301	ENST00000435884	N/A	N/A	N/A
A_33_P3358069	12,6472	12,6328	1,010031299	ENST00000479376	3420	NM_174855	IDH3B
A_21_P0003014	1,50369	1,48929	1,010031299	N/A	N/A	N/A	Inc-C3orf30-5
A_21_P0010319	1,67007	1,65567	1,010031299	N/A	N/A	N/A	Inc-CYYR1-1
A_21_P0001981	1,54924	1,53485	1,010024298	ENST00000413385	N/A	N/A	N/A

A_19_P00318537	2,63828	2,6239	1,010017297	N/A	N/A	N/A	Inc-BTBD10-3
A_19_P00320251	1,36087	1,34649	1,010017297	ENST00000507802	100505702	NR_038308	LINC01094
A_33_P3268089	2,86278	2,84842	1,010003295	ENST00000341449	390064	NM_001004754	OR51I2
A_21_P0010911	1,53944	1,52509	1,009996295	N/A	N/A	N/A	XLOC_I2_002171
A_21_P0013319	1,56245	1,5481	1,009996295	N/A	N/A	N/A	XLOC_I2_013873
A_21_P0014404	1,55727	1,54293	1,009989294	ENST00000422459	100506115	NM_001278655	LINC01272
A_22_P00017674	5,28683	5,27249	1,009989294	ENST00000578929	N/A	N/A	N/A
A_21_P0012204	5,21917	5,20484	1,009982293	N/A	N/A	N/A	XLOC_I2_009219
A_21_P0006541	1,50858	1,49427	1,009968292	N/A	N/A	N/A	Inc-GLA-1
A_23_P205567	11,8932	11,8789	1,009961291	ENST00000556245	5583	NM_006255	PRKCH
A_22_P00008596	1,63915	1,62485	1,009961291	N/A	101929238	NR_110820	C3orf67-AS1
A_33_P3423270	10,4288	10,4145	1,009961291	ENST00000435218	55287	NM_001284406	TMEM40
A_21_P0014693	3,60452	3,59022	1,009961291	N/A	N/A	BC011742	Inc-PRR11-1
A_21_P0002615	1,49053	1,47623	1,009961291	ENST00000427615	101929282	NR_110244	LOC101929282
A_33_P3372526	9,56957	9,55528	1,009954291	ENST00000432911	130752	NR_104261	MDH1B
A_33_P3363480	1,57617	1,56188	1,009954291	ENST00000484779	729159	NM_001282301	LOC729159
A_23_P253451	1,57065	1,55636	1,009954291	ENST00000231706	57709	NM_020949	SLC7A14
A_21_P0011367	1,64077	1,62648	1,009954291	N/A	N/A	N/A	XLOC_I2_004870
A_32_P60635	1,64733	1,63305	1,00994729	ENST00000542198	643037	N/A	C11orf97
A_21_P0009682	1,52694	1,51266	1,00994729	N/A	N/A	N/A	Inc-CNN1-1
A_33_P3369398	1,56894	1,55466	1,00994729	N/A	N/A	N/A	N/A
A_22_P00016919	1,57588	1,56161	1,00994029	N/A	101929626	NR_125987	LOC101929626
A_33_P3389773	2,37366	2,35939	1,00994029	ENST00000427545	N/A	N/A	N/A
A_22_P00007740	1,48448	1,47021	1,00994029	ENST00000561283	101929457	XR_253414	LOC101929457
A_33_P3352382	1,3818	1,36754	1,00993329	ENST00000356962	383	NM_001244438	ARG1
A_23_P123704	1,41445	1,40019	1,00993329	ENST00000374014	58483	NR_024032	LINC00474
A_22_P00021431	1,64712	1,63286	1,00993329	ENST00000436594	N/A	DB197961	N/A
A_22_P00024020	1,57696	1,56271	1,009926289	N/A	N/A	N/A	Inc-ADM-2
A_22_P00004060	1,52311	1,50887	1,009919289	N/A	N/A	N/A	Inc-CHST6-1
A_33_P3243278	1,49913	1,48489	1,009919289	N/A	100505504	XR_428947	LOC100505504
A_24_P170439	1,48666	1,47243	1,009912289	ENST00000457327	340206	NR_027256	TREML3P
A_21_P0007196	1,4913	1,47707	1,009912289	N/A	N/A	N/A	Inc-API5-5
A_33_P3694209	1,51548	1,50126	1,009905289	N/A	149684	AK055854	LOC149684

A_22_P00008476	1,72888	1,71467	1,009898289	ENST00000528553	N/A	BX103737	N/A
A_23_P413634	7,22809	7,21389	1,009891289	ENST00000500161	79673	NM_024620	ZNF329
A_32_P410753	1,57216	1,55796	1,009891289	ENST00000313548	286464	NM_173695	CHDC2
A_33_P3272145	1,69054	1,67634	1,009891289	ENST00000525221	N/A	AB529232	N/A
A_21_P0010071	2,62484	2,61064	1,009891289	N/A	N/A	N/A	Inc-TCFL5-2
A_22_P00001468	1,46598	1,45179	1,009884289	ENST00000503225	116984	XR_244603	ARAP2
A_21_P0007405	1,46113	1,44694	1,009884289	N/A	N/A	N/A	Inc-CADM1-4
A_33_P3312990	1,56636	1,55217	1,009884289	N/A	N/A	N/A	Inc-MARCKS-5
A_22_P00015696	2,09657	2,08239	1,009877289	ENST00000553983	N/A	CU679798	N/A
A_21_P0003976	1,57561	1,56144	1,009870289	ENST00000504998	102723526	N/A	LOC102723526
A_21_P0008850	3,31433	3,30017	1,009863289	N/A	102723493	XR_424608	LOC102723493
A_21_P0006614	1,47376	1,45961	1,009856289	ENST00000429539	101928298	N/A	LOC101928298
A_22_P00022894	3,74545	3,73131	1,009849289	ENST00000466206	N/A	N/A	N/A
A_24_P365679	1,37567	1,36154	1,00984229	ENST00000357802	91695	AK074492	RRP7B
A_21_P0004867	1,44119	1,42707	1,00983529	N/A	N/A	N/A	Inc-HIST1H2AG-1
A_21_P0001657	1,71613	1,70201	1,00983529	N/A	N/A	N/A	Inc-TNFRSF14-1
A_21_P0000913	1,47852	1,4644	1,00983529	ENST00000424725	101926944	NR_110627	LOC101926944
A_23_P136936	1,52633	1,51221	1,00983529	ENST00000263233	6855	NM_003179	SYP
A_33_P3384628	1,57528	1,56117	1,00982829	N/A	N/A	N/A	XLOC_I2_009136
A_23_P417974	5,17826	5,16417	1,009814291	ENST00000528638	282679	NM_173039	AQP11
A_33_P3293386	1,46981	1,45573	1,009807292	ENST00000487251	55227	AK021896	LRRC1
A_21_P0006734	1,64485	1,63077	1,009807292	ENST00000419836	N/A	N/A	N/A
A_33_P3327336	1,48922	1,47514	1,009807292	ENST00000502859	N/A	N/A	N/A
A_33_P3349661	1,49723	1,48315	1,009807292	ENST00000617020	5101	NM_203487	PCDH9
A_22_P00020029	1,60314	1,58907	1,009800292	N/A	N/A	N/A	Inc-SUSD4-1
A_22_P00011788	1,552	1,53794	1,009793293	N/A	N/A	N/A	Inc-PGAM1-1
A_21_P0011443	1,47679	1,46273	1,009793293	N/A	N/A	N/A	XLOC_I2_005246
A_22_P00001727	1,72981	1,71576	1,009786294	N/A	N/A	N/A	Inc-ATIC-2
A_33_P3293307	4,80198	4,78793	1,009786294	N/A	N/A	N/A	N/A
A_22_P00011109	1,50723	1,4932	1,009772295	ENST00000439565	N/A	N/A	N/A
A_22_P00018980	1,48546	1,47145	1,009758297	N/A	102724452	XR_424663	LOC102724452
A_33_P3314481	1,36716	1,35315	1,009758297	ENST00000390447	N/A	AB305728	N/A
A_21_P0006163	1,4227	1,4087	1,009751298	N/A	N/A	N/A	Inc-NTRK2-2

A_33_P3238285	1,45327	1,43928	1,009744299	N/A	8551	NR_002725	INE2
A_33_P3224050	1,62511	1,61112	1,009744299	N/A	N/A	N/A	N/A
A_22_P00010884	1,48242	1,46845	1,009730301	ENST00000556370	N/A	N/A	N/A
A_23_P379601	1,50129	1,48732	1,009730301	ENST00000368088	3765	NM_004983	KCNJ9
A_33_P3408678	1,36497	1,351	1,009730301	N/A	N/A	N/A	N/A
A_33_P3407299	7,76378	7,74981	1,009730301	ENST00000436748	81611	NM_030920	ANP32E
A_21_P0004238	1,63273	1,61877	1,009723302	N/A	N/A	N/A	Inc-CDH6-2
A_33_P3395314	1,66719	1,65323	1,009723302	N/A	N/A	N/A	N/A
A_33_P3423563	1,35883	1,34487	1,009723302	N/A	N/A	N/A	N/A
A_23_P111947	1,50397	1,49002	1,009716303	ENST00000027335	1015	NM_004063	CDH17
A_33_P3275653	1,50763	1,49369	1,009709304	ENST00000530858	2915	NM_000842	GRM5
A_33_P3299580	1,49201	1,47807	1,009709304	ENST00000407970	223075	NM_001257967	CCDC129
A_23_P351203	1,4516	1,43766	1,009709304	ENST00000489237	267012	NM_172370	DAOA
A_21_P0004294	1,46761	1,45367	1,009709304	N/A	N/A	N/A	Inc-LYRM7-2
A_21_P0006750	1,66949	1,65555	1,009709304	ENST00000423349	102724264	N/A	LOC102724264
A_23_P257503	9,71201	9,69808	1,009702305	ENST00000443617	8925	NM_003922	HERC1
A_33_P3320415	1,67045	1,65652	1,009702305	N/A	N/A	N/A	N/A
A_33_P3357232	1,47245	1,45853	1,009695307	N/A	N/A	N/A	N/A
A_33_P3287770	12,9924	12,9785	1,009681309	ENST00000262319	9894	NM_016111	TELO2
A_33_P3284253	1,65648	1,64258	1,009681309	ENST00000382965	8908	NM_001184703	GYG2
A_33_P3372094	1,46755	1,45365	1,009681309	ENST00000479155	3996	NM_004140	LLGL1
A_23_P36658	14,782	14,7681	1,009681309	ENST00000539708	4257	NM_145791	MGST1
A_22_P00009400	1,37843	1,36454	1,009674311	N/A	102724297	NR_125406	LOC102724297
A_21_P0008873	1,56134	1,54745	1,009674311	ENST00000564810	729264	NM_001243722	TP53TG3D
A_21_P0001228	1,46444	1,45056	1,009667312	ENST00000455363	N/A	N/A	N/A
A_21_P0001648	1,67269	1,65882	1,009660314	N/A	N/A	N/A	Inc-GREM2-8
A_23_P215735	8,89314	8,87931	1,009632321	ENST00000443979	7982	NM_018412	ST7
A_22_P00017455	1,65236	1,63855	1,009618324	ENST00000554260	101929241	NR_110166	LOC101929241
A_23_P385790	1,5793	1,5655	1,009611326	ENST00000438997	171484	NM_174901	FAM9C
A_21_P0005874	1,45605	1,44225	1,009611326	N/A	N/A	N/A	Inc-C8orf37-1
A_21_P0004868	8,04361	8,02981	1,009611326	N/A	N/A	N/A	Inc-HIST1H2AI-2
A_33_P3250944	1,58201	1,56822	1,009604328	ENST00000368525	388701	NM_001010979	C1orf189
A_33_P3234521	4,90479	4,891	1,009604328	ENST00000564909	115752	AK123202	DIS3L

A_21_P0010264	2,78381	2,77002	1,009604328	N/A	N/A	N/A	Inc-COL18A1-2
A_23_P29110	1,57295	1,55917	1,00959733	ENST00000359963	150160	NM_014406	CCT8L2
A_22_P00004980	1,49367	1,47989	1,00959733	N/A	N/A	N/A	Inc-DCTD-2
A_33_P3521965	1,39832	1,38455	1,009590332	N/A	N/A	N/A	N/A
A_22_P00007164	1,71298	1,69922	1,009583334	N/A	101929409	XR_243331	LOC101929409
A_23_P341700	7,26221	7,24845	1,009583334	ENST00000375495	83744	NM_001007101	ZNF484
A_22_P00007286	1,59553	1,58178	1,009576336	N/A	N/A	N/A	Inc-GPR26-1
A_21_P0001815	1,4775	1,46376	1,009569338	ENST00000431188	N/A	N/A	N/A
A_21_P0010327	1,4963	1,48257	1,009562341	N/A	N/A	N/A	Inc-ICOSLG-5
A_21_P0012612	1,44082	1,42709	1,009562341	ENST00000507099	N/A	N/A	N/A
A_22_P00010758	1,56859	1,55486	1,009562341	ENST00000523265	N/A	BM726127	N/A
A_21_P0011798	1,36438	1,35066	1,009555343	N/A	N/A	N/A	XLOC_I2_007274
A_33_P3294725	1,52065	1,50694	1,009548345	ENST00000329312	1538	NM_021118	CYLC1
A_21_P0003051	1,64647	1,63276	1,009548345	N/A	N/A	N/A	Inc-MFSD1-1
A_21_P0004677	1,53074	1,51703	1,009548345	ENST00000430898	387111	N/A	LINC00222
A_21_P0004573	1,37315	1,35945	1,009541348	N/A	N/A	N/A	Inc-ALDH7A1-3
A_24_P295465	1,49997	1,48627	1,009541348	ENST00000361320	347731	NM_178011	LRRTM3
A_21_P0002055	1,51923	1,50554	1,00953435	N/A	N/A	N/A	Inc-TMEM17-2
A_21_P0012225	1,57155	1,55787	1,009527352	ENST00000420255	101927843	NR_109959	LOC101927843
A_22_P00006611	1,57151	1,55784	1,009520355	ENST00000420070	140828	N/A	LINC00261
A_23_P259621	6,14581	6,13215	1,009513358	ENST00000460943	7462	NM_032464	LAT2
A_21_P0004230	1,47298	1,45933	1,00950636	N/A	N/A	N/A	Inc-FAM105B-2
A_21_P0004511	1,50218	1,48854	1,009499363	N/A	N/A	N/A	Inc-HEXB-1
A_24_P186114	1,45322	1,43958	1,009499363	ENST00000421353	252953	NR_001535	TTY21
A_33_P3405966	5,63434	5,6207	1,009499363	ENST00000372362	6487	NM_174963	ST3GAL3
A_33_P3281613	8,79393	8,78029	1,009499363	N/A	57582	AK123276	KCNT1
A_33_P3323887	1,49403	1,4804	1,009492365	ENST00000558436	102723481	XR_424610	LOC102723481
A_21_P0012187	1,35897	1,34534	1,009492365	ENST00000449602	N/A	N/A	N/A
A_33_P3318002	1,57605	1,56242	1,009492365	ENST00000618834	56144	NM_031500	PCDHA4
A_21_P0013714	7,69211	7,67849	1,009485368	ENST00000492533	N/A	N/A	N/A
A_22_P00018455	1,50128	1,48766	1,009485368	N/A	N/A	BC021736	Inc-C11orf88-1
A_33_P3330712	1,67519	1,66158	1,009478371	ENST00000532521	646813	NR_024504	LOC646813
A_21_P0004087	1,40939	1,39579	1,009471374	N/A	N/A	N/A	Inc-OR4F3-1

A_21_P0007718	1,46344	1,44985	1,009464377	ENST00000538008	102724421	NR_120490	LOC102724421
A_23_P137586	8,95138	8,93782	1,009443386	ENST00000294409	10691	NM_006582	GMEB1
A_22_P00015463	1,84078	1,82723	1,009436389	ENST00000434540	N/A	N/A	N/A
A_33_P3572454	1,49819	1,48465	1,009429392	N/A	283692	NR_046096	CPEB1-AS1
A_21_P0010748	7,13806	7,12453	1,009422395	ENST00000413839	346288	NM_207366	set-14
A_21_P0003664	1,71377	1,70024	1,009422395	N/A	N/A	N/A	Inc-ARHGAP10-2
A_21_P0004688	1,52318	1,50967	1,009408402	N/A	N/A	N/A	Inc-MYB-3
A_23_P154522	8,71143	8,69792	1,009408402	ENST00000472767	57504	NM_020744	MTA3
A_33_P3358779	1,7287	1,71522	1,009387412	ENST00000311591	219957	NM_001005283	OR9Q2
A_22_P00022153	1,66868	1,65521	1,009380415	N/A	101927256	XR_242121	LOC101927256
A_24_P71973	1,63249	1,61903	1,009373419	ENST00000263923	3791	NM_002253	KDR
A_32_P423691	1,47568	1,46222	1,009373419	ENST00000537425	149685	NM_001018082	ADIG
A_32_P145233	1,49842	1,48497	1,009366423	ENST00000553046	N/A	BX094715	N/A
A_22_P00025188	1,61724	1,60379	1,009366423	ENST00000512831	N/A	N/A	N/A
A_21_P0005620	1,59355	1,58011	1,009359426	ENST00000520842	101927815	NR_125426	LOC101927815
A_22_P00015800	1,48401	1,47059	1,009345434	ENST00000606744	285692	NR_027112	LOC285692
A_33_P3275893	1,55212	1,5387	1,009345434	ENST00000399363	644070	XM_006710028	LOC644070
A_33_P3282252	6,43773	6,42435	1,009317449	N/A	N/A	N/A	N/A
A_22_P00023328	1,45771	1,44433	1,009317449	N/A	101929602	NR_121605	IFT74-AS1
A_22_P00005339	1,41913	1,40576	1,009310453	N/A	N/A	BC040634	Inc-DPH1-1
A_22_P00012143	1,52449	1,51112	1,009310453	ENST00000455498	N/A	N/A	N/A
A_22_P00023955	1,65583	1,64246	1,009310453	ENST00000419860	N/A	N/A	N/A
A_33_P3298955	1,66647	1,6531	1,009310453	N/A	N/A	N/A	N/A
A_22_P00008473	1,47241	1,45906	1,009296461	ENST00000566942	3738	NR_109846	KCNA3
A_21_P0005077	1,52134	1,50799	1,009296461	N/A	N/A	N/A	Inc-SOD2-3
A_22_P00019435	1,57079	1,55745	1,009289465	ENST00000417989	N/A	N/A	N/A
A_33_P3248097	1,5773	1,56396	1,009289465	N/A	N/A	N/A	Inc-QKI-3
A_22_P00025006	1,53337	1,52003	1,009289465	N/A	N/A	BX112089	Inc-SHISA9-4
A_21_P0001846	1,36191	1,34858	1,009282469	N/A	N/A	N/A	Inc-EFR3B-3
A_21_P0006261	1,49484	1,48152	1,009275473	N/A	N/A	N/A	Inc-TAF1L-2
A_21_P0002529	1,65514	1,64184	1,009261482	N/A	N/A	N/A	Inc-SDPR-1
A_19_P00318091	1,546	1,53271	1,009254486	N/A	N/A	N/A	Inc-SNX10-2
A_22_P00003216	1,60434	1,59107	1,009240495	ENST00000587451	N/A	XR_109571	N/A

A_23_P347777	1,48572	1,47245	1,009240495	ENST00000543878	221711	NM_001040274	SYCP2L
A_23_P323196	1,36084	1,34758	1,0092335	ENST00000612756	259283	NR_027042	MDS2
A_23_P402123	1,66274	1,64948	1,0092335	ENST00000514078	50834	NM_019599	TAS2R1
A_33_P3252974	1,55909	1,54583	1,0092335	ENST00000246104	85508	NM_033129	SCRT2
A_33_P3242688	1,66577	1,65252	1,009226504	ENST00000414224	N/A	N/A	N/A
A_22_P00012929	6,3036	6,29035	1,009226504	N/A	100507118	NR_051984	PRC1-AS1
A_23_P165727	1,63889	1,62564	1,009226504	ENST00000260950	2660	NM_005259	MSTN
A_33_P3220748	1,68271	1,66947	1,009219509	N/A	N/A	N/A	N/A
A_23_P1863	1,53834	1,52511	1,009212514	ENST00000326855	390181	NM_001005323	OR5AK2
A_33_P3209214	5,43294	5,41971	1,009212514	ENST00000417666	84629	NM_001080495	TNRC18
A_24_P367410	1,46269	1,44946	1,009212514	ENST00000598523	55879	NM_018558	GABRQ
A_22_P00006043	1,57756	1,56434	1,009205518	ENST00000438622	401289	NR_104177	FLJ38122
A_22_P00018120	1,63681	1,62359	1,009205518	ENST00000566155	N/A	XR_424743	N/A
A_33_P3259228	1,63465	1,62145	1,009191528	ENST00000434692	642943	NR_111003	LOC642943
A_21_P0000012	1,49304	1,47985	1,009184533	ENST00000424808	9650	NM_001145839	MTFR1
A_21_P0006398	1,57328	1,5601	1,009177538	N/A	N/A	N/A	Inc-BRD3-2
A_22_P00006625	1,70822	1,69504	1,009177538	N/A	N/A	BX117241	Inc-FOXB1-5
A_21_P0003593	1,37622	1,36304	1,009177538	N/A	N/A	N/A	Inc-PCDH7-6
A_22_P00025876	1,45415	1,44099	1,009163547	ENST00000558246	N/A	N/A	N/A
A_21_P0011884	1,56512	1,55196	1,009163547	ENST00000443866	N/A	N/A	XL0C_I2_007828
A_21_P0003097	1,50788	1,49475	1,009142563	N/A	100996539	N/A	ITPR1-AS1
A_23_P85265	1,49689	1,48376	1,009142563	ENST00000623823	6736	NM_003140	SRY
A_22_P00008335	1,63388	1,62075	1,009142563	N/A	N/A	N/A	Inc-ITPA-1
A_22_P00000924	1,64484	1,63172	1,009135568	ENST00000527518	101929549	NR_110112	LOC101929549
A_23_P91035	1,45336	1,44025	1,009128573	ENST00000317802	388951	NM_001003937	TSPYL6
A_21_P0001386	1,57666	1,56355	1,009128573	N/A	N/A	N/A	Inc-PRRC2C-1
A_22_P00025399	1,52245	1,50935	1,009121578	N/A	N/A	N/A	Inc-FAM120AOS-2
A_21_P0004366	1,57085	1,55775	1,009121578	N/A	N/A	N/A	Inc-MYO10-3
A_22_P00021642	1,56541	1,55232	1,009114584	ENST00000435444	N/A	N/A	N/A
A_21_P0006823	1,47778	1,46469	1,009114584	ENST00000414894	439949	N/A	PRKCQ-AS1
A_22_P00022515	1,45864	1,44556	1,009107589	N/A	N/A	N/A	Inc-NKX6-3-2
A_21_P0014653	1,56688	1,5538	1,009107589	ENST00000524942	100507521	XR_110911	LOC100507521
A_22_P00001413	1,47007	1,457	1,009100595	N/A	N/A	N/A	Inc-APEX1-1



A_21_P0005398	1,48452	1,47146	1,0090936	N/A	N/A	N/A	Inc-FZD1-1
A_24_P193600	6,40674	6,39369	1,009086606	ENST00000571936	7727	NM_003450	ZNF174
A_22_P00013021	1,64269	1,62965	1,009079611	ENST00000556357	101927112	NR_120320	LINC01581
A_22_P00025557	1,56911	1,55607	1,009079611	N/A	N/A	N/A	Inc-DDI1-1
A_22_P00014734	1,5676	1,55457	1,009072617	ENST00000441790	N/A	XR_425089	N/A
A_22_P00025076	1,56251	1,54948	1,009072617	ENST00000496829	N/A	N/A	N/A
A_24_P229025	1,41204	1,39901	1,009072617	N/A	2892	NM_001256743	GRIA3
A_21_P0002725	1,57493	1,5619	1,009072617	ENST00000428171	N/A	N/A	N/A
A_22_P00021644	2,07696	2,06393	1,009072617	N/A	N/A	N/A	Inc-GAS2L2-1
A_22_P00023844	1,53587	1,52286	1,009058628	N/A	N/A	N/A	Inc-ESRP2-1
A_23_P117992	11,0432	11,0302	1,009051634	ENST00000565631	9914	NM_014861	ATP2C2
A_21_P0003622	1,45503	1,44203	1,009051634	ENST00000512043	441025	NR_033964	LOC441025
A_21_P0005068	1,56731	1,55431	1,009051634	N/A	N/A	N/A	Inc-ZC3H12D-5
A_33_P3355599	1,50823	1,49524	1,00904464	ENST00000231137	56129	NM_018940	PCDHB7
A_22_P00018933	1,48984	1,47685	1,00904464	ENST00000427042	N/A	N/A	N/A
A_21_P0013762	1,51691	1,50392	1,00904464	N/A	N/A	N/A	XLOC_I2_015512
A_22_P00015734	1,48787	1,47489	1,009037646	N/A	N/A	N/A	Inc-TAB3-1
A_33_P3319201	1,36846	1,3555	1,009023657	N/A	101927133	XR_425728	LOC101927133
A_33_P3384871	9,91675	9,90379	1,009023657	ENST00000367241	26271	NM_001142522	FBXO5
A_32_P206479	1,64903	1,63608	1,009016663	ENST00000371030	128611	NM_178457	ZNF831
A_22_P00020774	3,7493	3,73635	1,009016663	ENST00000441365	84504	N/A	NKX6-2
A_22_P00018630	1,37989	1,36695	1,009009669	ENST00000552532	N/A	N/A	N/A
A_22_P00013026	1,66773	1,6548	1,009002676	N/A	N/A	N/A	Inc-RGPD3-2
A_21_P0006706	1,54874	1,53581	1,009002676	ENST00000433085	102724589	N/A	LOC102724589
A_21_P0010960	1,76985	1,75692	1,009002676	N/A	N/A	N/A	XLOC_I2_002204
A_22_P00010094	1,46602	1,4531	1,008995682	N/A	N/A	N/A	Inc-MRAP-1
A_21_P0007729	1,56976	1,55684	1,008995682	N/A	N/A	N/A	Inc-PAWR-5
A_24_P375599	17,1353	17,1224	1,008981694	ENST00000464118	N/A	N/A	N/A
A_23_P120942	16,1552	16,1423	1,008981694	ENST00000359308	2547	NM_001469	XRCC6
A_22_P00019256	1,62844	1,61554	1,008981694	ENST00000424343	N/A	N/A	N/A
A_21_P0005325	1,54491	1,53201	1,008981694	ENST00000471672	N/A	N/A	N/A
A_24_P58529	14,5581	14,5452	1,008981694	ENST00000530835	84790	NM_032704	TUBA1C
A_33_P3373654	3,33815	3,32526	1,0089747	N/A	N/A	N/A	XLOC_I2_003649

A_33_P3414939	1,5552	1,54231	1,0089747	ENST00000479109	N/A	N/A	N/A
A_23_P114314	1,56403	1,55115	1,008967707	ENST00000373514	1046	NM_005193	CDX4
A_33_P8983845	1,57254	1,55967	1,008960713	N/A	284191	N/A	LOC284191
A_22_P00019769	1,66573	1,65287	1,00895372	N/A	N/A	AA393627	Inc-CRNKL1-3
A_22_P00016956	1,6676	1,65474	1,00895372	N/A	N/A	BQ189593	Inc-TSR1-1
A_33_P3266920	1,46033	1,44747	1,00895372	N/A	100131303	NM_001282442	LOC100131303
A_19_P00316007	1,57652	1,56366	1,00895372	ENST00000416842	N/A	N/A	N/A
A_32_P105381	1,39374	1,3809	1,008939733	ENST00000329357	170062	NM_152631	FAM47B
A_21_P0009624	1,41421	1,40138	1,008932739	N/A	N/A	N/A	Inc-AP002414.1.1-1
A_24_P265832	1,47671	1,4639	1,008918753	ENST00000362032	56670	NM_033050	SUCNR1
A_22_P00006680	1,49118	1,47837	1,008918753	ENST00000436262	N/A	N/A	N/A
A_21_P0004463	1,57399	1,56119	1,008911759	N/A	N/A	N/A	Inc-PANK3-12
A_22_P00008278	1,51081	1,49801	1,008911759	ENST00000560487	N/A	N/A	N/A
A_21_P0006284	1,62852	1,61573	1,008904766	ENST00000413352	102723932	N/A	LOC102723932
A_23_P141142	1,41453	1,40174	1,008904766	ENST00000524722	84074	XM_005257728	QRICH2
A_21_P0012510	1,47511	1,46232	1,008904766	ENST00000494915	103695433	N/A	LINC01322
A_21_P0005154	1,63152	1,61874	1,008897773	N/A	N/A	N/A	Inc-ECI2-2
A_32_P234926	1,68769	1,67492	1,00889078	ENST00000545418	140836	NM_001014977	BANF2
A_21_P0005623	1,56309	1,55032	1,00889078	ENST00000519981	101929528	NR_105005	LOC101929528
A_21_P0001795	1,7254	1,71263	1,00889078	ENST00000424321	284998	AK090794	LINC01114
A_23_P161331	1,61631	1,60354	1,00889078	ENST00000320301	65217	NM_033056	PCDH15
A_21_P0003987	1,56665	1,55389	1,008883787	ENST00000503870	N/A	N/A	N/A
A_22_P00002498	1,52556	1,51281	1,008876794	N/A	N/A	N/A	Inc-C16orf58-5
A_33_P3343873	1,45792	1,44517	1,008876794	N/A	55423	AK124224	SIRPG
A_22_P00020555	1,59488	1,58214	1,008869801	N/A	N/A	N/A	Inc-THBS4-1
A_33_P3337131	3,13812	3,12539	1,008862808	N/A	648691	NR_027426	LL22NC03-63E9.3
A_33_P3331856	1,57341	1,56068	1,008862808	ENST00000396184	5137	AK126467	PDE1C
A_24_P50818	6,19394	6,18121	1,008862808	ENST00000409364	9330	NM_001206774	GTF3C3
A_21_P0004373	1,57778	1,56505	1,008862808	N/A	101929681	N/A	LOC101929681
A_33_P3216316	4,56073	4,54803	1,008841829	ENST00000617715	90933	NM_201627	TRIM41
A_21_P0014490	1,65904	1,64634	1,008841829	N/A	728095	NR_109897	LOC728095
A_21_P0004196	1,62778	1,61508	1,008841829	N/A	N/A	N/A	Inc-NDUFS6-5
A_33_P3409984	1,55748	1,5448	1,008827844	ENST00000378803	344387	NM_001009565	CDKL4

A_21_P0000549	1,53544	1,52276	1,008827844	ENST00000446690	344875	NR_027927	COL6A4P1
A_19_P00317507	1,63399	1,62132	1,008820851	N/A	100505881	NR_038344	MAGI2-AS3
A_21_P0014058	1,46378	1,45112	1,008813859	ENST00000461759	4259	AK000073	MGST3
A_23_P17548	1,56167	1,54902	1,008806866	ENST00000253381	117285	NM_054112	DEFB118
A_21_P0005685	1,56055	1,54791	1,008799874	ENST00000519189	103689844	NR_125746	LINC01288
A_22_P00003615	1,36001	1,34737	1,008799874	N/A	N/A	N/A	Inc-CD38-3
A_21_P0000008	1,5759	1,56327	1,008792881	ENST00000417307	399697	NM_001145668	CTXN2
A_22_P00003755	1,70815	1,69552	1,008792881	ENST00000512939	N/A	N/A	N/A
A_23_P94647	1,5056	1,49299	1,008778896	ENST00000304820	26735	NM_001005234	OR1L3
A_24_P275199	1,46703	1,45443	1,008771904	ENST00000265969	3746	NM_001112741	KCNC1
A_33_P3504218	1,45425	1,44166	1,008764912	ENST00000430078	401281	XR_426103	FLJ27255
A_21_P0010547	3,66996	3,65738	1,00875792	ENST00000456220	N/A	N/A	N/A
A_22_P00003688	1,66469	1,65211	1,00875792	ENST00000507600	N/A	N/A	N/A
A_21_P0000826	1,46643	1,45385	1,00875792	N/A	100506385	N/A	LINC01426
A_21_P0013255	1,64068	1,6281	1,00875792	N/A	N/A	N/A	XLOC_l2_013513
A_22_P00004938	1,42326	1,41069	1,008750928	ENST00000562917	N/A	BX641143	N/A
A_24_P348265	1,5699	1,55734	1,008743935	ENST00000614052	2204	NM_133271	FCAR
A_33_P3290874	1,49536	1,48284	1,008715967	ENST00000332238	390649	NM_001001674	OR4F15
A_21_P0014802	1,6716	1,65908	1,008715967	ENST00000568444	54758	AW504969	KLHDC4
A_21_P0007494	1,53661	1,52409	1,008715967	N/A	101928002	N/A	LOC101928002
A_24_P251950	1,46824	1,45572	1,008715967	ENST00000504685	167127	NM_174914	UGT3A2
A_22_P00002061	1,36293	1,35042	1,008708976	N/A	N/A	AK123947	Inc-BLID-1
A_24_P205994	1,54192	1,52942	1,008701984	ENST00000413830	255324	NM_001270989	EPGN
A_32_P50924	15,5152	15,5027	1,008701984	ENST00000504082	144983	NM_001011724	HNRNPA1L2
A_22_P00002845	1,63838	1,6259	1,008688	ENST00000482766	N/A	N/A	N/A
A_22_P00006080	1,4995	1,48702	1,008688	ENST00000511650	N/A	N/A	N/A
A_21_P0004420	3,02976	3,01729	1,008681009	N/A	N/A	N/A	Inc-ARRDC3-1
A_22_P00011884	1,66502	1,65255	1,008681009	N/A	N/A	N/A	Inc-PIGK-1
A_22_P00015836	1,64154	1,62907	1,008681009	ENST00000457945	101928309	XR_241978	LOC101928309
A_22_P00002121	1,49234	1,47987	1,008681009	ENST00000508202	N/A	CR627405	N/A
A_23_P333022	1,55674	1,54427	1,008681009	N/A	222659	NM_152990	PXT1
A_23_P109286	1,71223	1,69977	1,008674017	ENST00000309434	2897	NM_000830	GRIK1
A_23_P47181	2,68827	2,67584	1,008653042	ENST00000279168	170589	NM_130769	GPHA2

A_33_P3364582	8,66505	8,65264	1,00863906	ENST00000404514	7148	NM_019105	TNXB
A_33_P3261640	1,63673	1,62432	1,00863906	N/A	N/A	N/A	N/A
A_22_P00023210	1,48913	1,47673	1,008632068	N/A	N/A	BG189013	Inc-ROBO3-1
A_24_P63078	1,49749	1,48509	1,008632068	ENST00000437365	80122	NM_025052	MAP3K19
A_23_P318432	1,37773	1,36533	1,008632068	ENST00000289672	168507	NM_138295	PKD1L1
A_23_P304897	10,5471	10,5347	1,008632068	ENST00000554311	624	NM_000623	BDKRB2
A_21_P0001173	1,41002	1,39763	1,008625077	N/A	N/A	N/A	Inc-PPIAL4G-10
A_23_P407142	9,22363	9,21124	1,008625077	ENST00000302291	7798	NM_033631	LUZP1
A_23_P306867	1,57417	1,56178	1,008625077	ENST00000338488	8013	NM_173199	NR4A3
A_22_P00004786	1,61405	1,60168	1,008611095	N/A	N/A	N/A	Inc-CX3CR1-1
A_22_P00019983	1,63439	1,62202	1,008611095	ENST00000413339	N/A	N/A	N/A
A_33_P3390386	1,71363	1,70127	1,008604103	ENST00000478829	11189	NM_001172649	CELF3
A_33_P3221378	1,63941	1,62705	1,008604103	ENST00000522767	102724804	NR_125828	LOC102724804
A_22_P00022471	8,82259	8,81023	1,008604103	ENST00000511054	N/A	N/A	N/A
A_33_P3254590	1,53436	1,52201	1,008597112	ENST00000511537	399881	NR_033868	HNRNPKP3
A_22_P00015752	1,39876	1,38641	1,008597112	ENST00000413291	N/A	N/A	N/A
A_21_P0011071	1,46062	1,44828	1,008590121	ENST00000535118	100507206	NR_038256	LINC00943
A_21_P0008413	1,49893	1,4866	1,00858313	N/A	N/A	N/A	Inc-NOVA1-3
A_33_P3568387	4,61257	4,60024	1,00858313	ENST00000325885	51666	NM_016116	ASB4
A_21_P0009462	1,39607	1,38375	1,008576139	N/A	N/A	N/A	Inc-ANKRD30B-3
A_22_P00011665	1,52484	1,51252	1,008576139	N/A	N/A	N/A	Inc-PDE6B-1
A_22_P00008640	1,48081	1,4685	1,008569149	ENST00000521090	N/A	N/A	N/A
A_22_P00015774	1,49916	1,48685	1,008569149	ENST00000584958	N/A	N/A	N/A
A_33_P3320241	1,4736	1,46129	1,008569149	N/A	N/A	N/A	N/A
A_21_P0011224	1,56084	1,54853	1,008569149	ENST00000428706	100874179	N/A	LINC00457
A_21_P0012691	1,48011	1,46781	1,008562158	N/A	N/A	N/A	XLOC_I2_011309
A_21_P0007659	1,70523	1,69294	1,008555167	N/A	N/A	N/A	Inc-TMEM132B-10
A_33_P3403549	6,20866	6,19637	1,008555167	ENST00000565457	255919	NM_153261	CNEP1R1
A_22_P00018106	1,51196	1,49968	1,008548176	ENST00000599078	400680	N/A	LINC00664
A_22_P00021427	1,56325	1,55097	1,008548176	N/A	100874211	NR_046706	MID1IP1-AS1
A_33_P3392052	1,47297	1,46069	1,008548176	ENST00000318315	389336	NM_206966	C5orf46
A_23_P373619	1,57829	1,56601	1,008548176	ENST00000413851	282617	NM_172139	IFNL3
A_22_P00019817	1,60716	1,59488	1,008548176	ENST00000615029	N/A	N/A	N/A

A_33_P3271276	1,77327	1,76099	1,008548176	ENST00000599214	5673	NM_001130014	PSG5
A_33_P3765708	1,40725	1,39498	1,008541185	ENST00000451284	285326	NR_034055	LINC00692
A_21_P0008573	1,6302	1,61794	1,008534195	N/A	N/A	N/A	Inc-WHAMM-1
A_22_P00021213	1,52704	1,5148	1,008520214	N/A	N/A	N/A	Inc-AC079135.1.1-1
A_22_P00001410	1,45965	1,44741	1,008520214	N/A	N/A	N/A	Inc-APC-5
A_33_P3292138	1,46776	1,45554	1,008506233	ENST00000624407	101929465	N/A	LOC101929465
A_22_P00017526	1,46502	1,4528	1,008506233	N/A	N/A	N/A	Inc-WDR16-2
A_22_P00017164	1,48621	1,474	1,008499242	ENST00000585222	N/A	AL832444	N/A
A_21_P0003286	5,38894	5,37674	1,008492252	N/A	N/A	N/A	Inc-ADAMTS9-3
A_23_P8561	11,4841	11,4719	1,008492252	ENST00000454791	57414	NM_001040457	RHBDD2
A_22_P00001261	1,4298	1,41762	1,008478271	N/A	N/A	BX089732	Inc-ANKRD42-3
A_33_P3354326	1,55875	1,54657	1,008478271	N/A	N/A	N/A	Inc-SMARCAL1-4
A_22_P00009092	1,3608	1,34862	1,008478271	ENST00000415513	101927902	XR_242326	LOC101927902
A_22_P00000451	1,50674	1,49458	1,008464291	ENST00000521188	N/A	BX116221	N/A
A_23_P39881	1,72576	1,71361	1,008457301	ENST00000397485	100132708	NR_023391	CYP4F30P
A_22_P00014829	1,3684	1,35627	1,008443321	N/A	N/A	AK055631	Inc-SLC44A5-1
A_19_P00800927	1,38203	1,36991	1,008436331	N/A	N/A	N/A	Inc-SLC25A30-1
A_33_P3375889	1,55156	1,53944	1,008436331	N/A	N/A	N/A	N/A
A_21_P0003308	8,21589	8,20377	1,008436331	N/A	N/A	N/A	Inc-MCCC1-1
A_33_P3239282	1,5387	1,52659	1,008429341	ENST00000316361	3737	NM_004974	KCNA2
A_23_P210619	13,3088	13,2967	1,008422351	ENST00000023939	51507	NM_016407	RTFDC1
A_21_P0012484	3,01805	3,00595	1,008422351	N/A	N/A	N/A	XL0C_I2_010511
A_21_P0009605	1,52416	1,51206	1,008422351	N/A	N/A	N/A	Inc-PIK3C3-2
A_32_P197561	1,45333	1,44123	1,008422351	ENST00000313708	1879	NM_001290360	EBF1
A_23_P128094	5,83278	5,82068	1,008422351	ENST00000542678	23457	NM_019625	ABCB9
A_21_P0007862	1,55508	1,54298	1,008422351	N/A	N/A	N/A	Inc-TMEM132B-4
A_22_P00001328	1,53372	1,52163	1,008415361	N/A	439941	NR_040044	FER1L6-AS1
A_32_P161751	1,56297	1,55088	1,008415361	ENST00000447433	285150	NR_040080	FLJ33534
A_33_P3703501	9,17321	9,16112	1,008415361	ENST00000520647	55568	NM_198321	GALNT10
A_22_P00013788	1,64478	1,6327	1,008408371	ENST00000520494	N/A	N/A	N/A
A_22_P00012668	1,50203	1,48996	1,008401382	N/A	101929143	N/A	LOC101929143
A_22_P00009650	1,67037	1,6583	1,008401382	ENST00000522426	N/A	N/A	N/A
A_22_P00013315	1,56786	1,55579	1,008401382	ENST00000550378	N/A	AI025159	N/A

A_33_P3393200	1,38495	1,37288	1,008401382	ENST00000267260	84530	NM_194286	SRRM4
A_33_P3788420	1,36211	1,35005	1,008394392	ENST00000606738	388630	NM_001194986	TRABD2B
A_33_P3300237	1,49549	1,48344	1,008387402	N/A	100188954	NR_024130	DNMBP-AS1
A_22_P00010837	1,48142	1,46938	1,008380413	N/A	101927049	NR_120615	PLCE1-AS2
A_24_P133905	1,61548	1,60345	1,008373423	ENST00000610342	6368	NM_005064	CCL23
A_21_P0001200	1,49031	1,47829	1,008366434	ENST00000442108	N/A	N/A	N/A
A_33_P3402076	6,81797	6,80595	1,008366434	ENST00000544271	572	AK309150	BAD
A_21_P0002990	1,4979	1,4859	1,008352455	N/A	N/A	N/A	Inc-CADM2-3
A_32_P114003	1,46288	1,45088	1,008352455	N/A	100192378	NR_024360	ZFH4-AS1
A_23_P141479	10,0586	10,0466	1,008352455	ENST00000314616	6830	NM_003170	SUPT6H
A_33_P3278303	9,17119	9,1592	1,008345466	N/A	N/A	N/A	N/A
A_22_P00014062	4,79664	4,78466	1,008338476	ENST00000581634	N/A	N/A	N/A
A_22_P00001502	1,47111	1,45915	1,008324498	N/A	100303491	NR_040248	ZEB2-AS1
A_22_P00011077	1,67118	1,65923	1,008317509	N/A	101927124	NR_110045	LOC101927124
A_21_P0007274	1,66641	1,65446	1,008317509	N/A	N/A	N/A	Inc-ZC3H12C-1
A_23_P16630	1,45532	1,44337	1,008317509	N/A	26659	NM_017506	OR7A5
A_23_P216376	3,79283	3,78089	1,00831052	ENST00000320005	54714	NM_019098	CNGB3
A_21_P0010175	1,64998	1,63804	1,00831052	ENST00000433588	N/A	N/A	N/A
A_22_P00009130	1,47153	1,45959	1,00831052	ENST00000580336	102723882	XR_132644	LOC102723882
A_23_P161458	1,66765	1,65572	1,008303531	ENST00000378217	55301	NM_001039702	OLAH
A_23_P82523	1,38131	1,36938	1,008303531	ENST00000475929	5243	NM_000927	ABCB1
A_33_P3311740	5,3488	5,33687	1,008303531	ENST00000558586	342132	NM_001004309	ZNF774
A_33_P3325497	1,54895	1,53704	1,008289553	N/A	387758	NM_203371	FIBIN
A_21_P0009257	1,48646	1,47455	1,008289553	N/A	N/A	N/A	Inc-HLF-1
A_23_P386442	1,56229	1,55039	1,008282564	N/A	9808	NR_022006	KIAA0087
A_23_P137896	2,3358	2,3239	1,008282564	ENST00000327582	64064	NM_022120	OXCT2
A_21_P0007240	2,14009	2,1282	1,008275575	N/A	N/A	N/A	Inc-USP35-1
A_22_P00007238	1,70297	1,69109	1,008268586	N/A	N/A	N/A	Inc-GPR101-1
A_22_P00015709	1,50956	1,49768	1,008268586	ENST00000546563	N/A	BX116758	N/A
A_33_P3283974	1,99896	1,98708	1,008268586	ENST00000461291	399829	NR_046231	LINC01168
A_33_P3348224	1,42139	1,40951	1,008268586	ENST00000437871	730005	NM_001193336	SEC14L6
A_22_P00008037	3,42761	3,41574	1,008261597	N/A	101928232	N/A	LINC01280
A_21_P0011617	1,48317	1,4713	1,008261597	ENST00000454535	N/A	N/A	N/A

A_23_P329835	1,55804	1,54617	1,008261597	ENST00000545955	7404	NM_007125	UTY
A_33_P3316485	1,49685	1,48499	1,008254609	ENST00000402115	100129603	XR_242122	LOC100129603
A_22_P00005686	1,55597	1,54411	1,008254609	N/A	N/A	BC131511	Inc-ELAC2-2
A_21_P0001687	1,56024	1,54839	1,00824762	ENST00000415686	101927295	N/A	LINC01360
A_22_P00021612	1,50465	1,49281	1,008240631	N/A	N/A	N/A	Inc-ZNF791-2
A_24_P81900	1,6412	1,62937	1,008233643	ENST00000486749	6515	NM_006931	SLC2A3
A_21_P0013039	1,40426	1,39244	1,008226654	N/A	N/A	N/A	XLOC_I2_012741
A_32_P449652	1,56514	1,55332	1,008226654	N/A	N/A	N/A	N/A
A_22_P00011932	1,71947	1,70766	1,008219666	N/A	N/A	N/A	Inc-PITRM1-7
A_21_P0011976	1,67213	1,66032	1,008219666	ENST00000442456	N/A	N/A	N/A
A_24_P10226	1,54525	1,53344	1,008219666	ENST00000389425	80031	NM_024966	SEMA6D
A_33_P3348937	1,54616	1,53436	1,008212677	N/A	400207	AK124214	FLJ42220
A_21_P0012402	1,66609	1,65429	1,008212677	ENST00000469216	100507274	N/A	LINC01210
A_33_P3283266	1,5619	1,5501	1,008212677	ENST00000615763	N/A	XR_430070	N/A
A_23_P111737	1,54171	1,52991	1,008212677	ENST00000242249	10268	NM_005856	RAMP3
A_33_P3709327	1,45851	1,44672	1,008205689	ENST00000509473	100144602	NR_034138	EPHA5-AS1
A_21_P0001318	1,37596	1,36417	1,008205689	N/A	N/A	N/A	Inc-FPGT-6
A_33_P3359801	1,54584	1,53405	1,008205689	ENST00000351817	644524	NM_033176	NKX2-4
A_22_P00013957	1,51583	1,50405	1,008198701	N/A	283045	NR_104162	LOC283045
A_22_P00011113	1,52896	1,51721	1,008177736	ENST00000416401	N/A	N/A	N/A
A_23_P255126	1,49037	1,47862	1,008177736	ENST00000369575	139716	NM_080612	GAB3
A_22_P00005675	1,46569	1,45394	1,008177736	N/A	N/A	N/A	Inc-EIF4E1B-1
A_33_P3267627	1,62562	1,61388	1,008170748	ENST00000398718	245927	NM_001037729	DEFB113
A_21_P0004998	1,51625	1,50451	1,008170748	N/A	101928004	XR_241966	LOC101928004
A_21_P0003133	1,66512	1,65338	1,008170748	N/A	N/A	N/A	Inc-GBE1-5
A_33_P3378962	1,61787	1,60613	1,008170748	N/A	644135	XR_426083	LOC644135
A_23_P67569	1,66416	1,65243	1,00816376	ENST00000359894	79948	NM_024888	LPPR3
A_21_P0003912	1,5712	1,55948	1,008156772	N/A	N/A	N/A	Inc-C4orf38-2
A_21_P0012922	1,53007	1,51835	1,008156772	ENST00000512693	285638	XR_251840	LOC285638
A_23_P315589	9,52919	9,51748	1,008149784	ENST00000488038	23313	NM_015264	KIAA0930
A_33_P3387901	7,69904	7,68734	1,008142796	ENST00000580151	60386	NM_001126121	SLC25A19
A_23_P95165	10,6798	10,6681	1,008142796	ENST00000560089	10509	NM_020210	SEMA4B
A_21_P0006707	1,41619	1,40451	1,00812882	ENST00000445647	N/A	N/A	N/A

A_33_P3213695	5,51527	5,50359	1,00812882	ENST00000470410	81617	NM_001079670	CAB39L
A_33_P3249394	1,63779	1,62612	1,008121832	ENST00000347598	775	NM_001129827	CACNA1C
A_23_P20544	1,55921	1,54756	1,008107857	ENST00000344545	89882	NM_033516	TPD52L3
A_22_P00000771	3,20241	3,19077	1,008100869	ENST00000583163	N/A	BC040589	N/A
A_33_P3415410	4,13081	4,11918	1,008093881	ENST00000375274	5727	NM_001083602	PTCH1
A_33_P3340956	1,46934	1,45773	1,008079906	N/A	N/A	N/A	N/A
A_33_P3338937	1,68797	1,67636	1,008079906	N/A	N/A	N/A	N/A
A_21_P0012731	1,65884	1,64725	1,008065932	N/A	N/A	N/A	Inc-BMP2K-1
A_21_P0006621	1,54407	1,53249	1,008058944	N/A	100132159	NR_120496	CALML3-AS1
A_23_P145159	1,56801	1,55643	1,008058944	ENST00000359357	1769	NM_001206927	DNAH8
A_21_P0009426	1,66339	1,65181	1,008058944	ENST00000589125	101927229	N/A	LOC101927229
A_22_P00003877	1,51876	1,50719	1,008051957	N/A	N/A	N/A	Inc-CENPJ-1
A_21_P0010566	1,62814	1,61658	1,00804497	ENST00000434461	N/A	N/A	N/A
A_24_P664850	1,4071	1,39554	1,00804497	ENST00000268164	8128	NM_006011	ST8SIA2
A_33_P3266646	1,41407	1,40252	1,008037982	ENST00000533107	148229	NM_138813	ATP8B3
A_21_P0001006	1,55653	1,54498	1,008037982	ENST00000442182	104355292	N/A	LINC01525
A_23_P325700	1,7095	1,69796	1,008030995	ENST00000614533	283080	NM_001278522	C10orf126
A_21_P0007238	1,57134	1,55981	1,008024008	N/A	N/A	N/A	Inc-TSKU-2
A_22_P00012114	1,55695	1,54542	1,008024008	N/A	N/A	N/A	Inc-POLD3-3
A_22_P00002351	1,49659	1,48507	1,008017021	ENST00000548575	N/A	AL133569	N/A
A_33_P3407266	6,94597	6,93446	1,008010034	ENST00000372146	9329	NM_012204	GTF3C4
A_22_P00016062	1,71461	1,70311	1,008003047	ENST00000457457	N/A	XR_425391	N/A
A_23_P87545	16,7686	16,7571	1,008003047	ENST00000531688	10410	NM_021034	IFITM3
A_23_P30900	1,51223	1,50074	1,00799606	ENST00000552745	3118	BC008585	HLA-DQA2
A_22_P00014913	1,5588	1,54734	1,0079751	N/A	N/A	N/A	Inc-SLCO4A1-1
A_33_P3352877	1,4467	1,43525	1,007968113	ENST00000451493	23111	NM_015087	SPG20
A_33_P3277298	1,47673	1,46528	1,007968113	ENST00000610222	148281	NM_001270805	SYT6
A_21_P0005012	1,4947	1,48325	1,007968113	N/A	100874531	N/A	LINC00581
A_33_P3226550	1,4904	1,47895	1,007968113	ENST00000547697	9498	AK128321	SLC4A8
A_22_P00014340	1,55278	1,54134	1,007961126	ENST00000463642	N/A	N/A	N/A
A_23_P159316	1,63177	1,62034	1,00795414	ENST00000302334	8419	NM_003571	BFSP2
A_21_P0002921	1,52115	1,50972	1,00795414	ENST00000432908	100505920	N/A	LOC100505920
A_21_P0010622	1,52234	1,51091	1,00795414	N/A	N/A	N/A	XLOC_I2_000941



A_22_P00021469	1,52409	1,51269	1,00793318	N/A	N/A	N/A	Inc-THOC1-1
A_23_P388301	1,53781	1,52642	1,007926194	ENST00000330495	253143	BC040859	PRR14L
A_21_P0008853	1,61948	1,6081	1,007919207	N/A	N/A	N/A	Inc-HEXA-3
A_33_P3276107	1,45577	1,44439	1,007919207	N/A	101928426	XM_005262504	LOC101928426
A_33_P3387591	1,65372	1,64235	1,007912221	ENST00000509790	N/A	N/A	N/A
A_21_P0000819	1,79023	1,77886	1,007912221	ENST00000557672	503519	NR_038852	LINC00929
A_22_P00008977	1,48825	1,47689	1,007905235	N/A	N/A	N/A	Inc-LAMA1-2
A_22_P00021774	1,50034	1,48898	1,007905235	N/A	N/A	AK126901	Inc-WDR45L-3
A_21_P0001866	1,51969	1,50834	1,007898248	ENST00000445738	339807	NR_034023	LOC339807
A_33_P3525263	1,71638	1,70504	1,007891262	ENST00000541459	144568	NM_144670	A2ML1
A_21_P0003497	5,28592	5,27459	1,007884276	ENST00000512219	101927007	XR_425767	LINC01365
A_21_P0001229	1,49534	1,48401	1,007884276	N/A	N/A	N/A	Inc-NVL-1
A_21_P0010391	1,41116	1,40028	1,00787729	N/A	N/A	N/A	Inc-PEX26-1
A_21_P0009927	1,53071	1,5194	1,007870304	N/A	N/A	N/A	Inc-STK35-2
A_22_P00013990	1,46672	1,45542	1,007863318	ENST00000520163	N/A	N/A	N/A
A_24_P296274	1,52389	1,51259	1,007863318	ENST00000560153	145978	NR_026869	LINC00052
A_24_P664995	11,5742	11,5629	1,007863318	ENST00000209875	23468	NM_001127322	CBX5
A_22_P00008891	1,55879	1,5475	1,007856332	ENST00000419013	N/A	N/A	N/A
A_22_P00005545	1,45739	1,4461	1,007856332	ENST00000446516	N/A	BC008471	N/A
A_21_P0003532	1,44511	1,43383	1,007849346	N/A	101928131	N/A	LOC101928131
A_23_P10062	1,49783	1,48656	1,00784236	ENST00000552808	25834	NM_013244	MGAT4C
A_22_P00010142	1,6133	1,60203	1,00784236	ENST00000419694	N/A	N/A	N/A
A_23_P399217	1,55255	1,54128	1,00784236	ENST00000328375	120066	NM_153445	OR5P3
A_22_P00001423	1,47366	1,46239	1,00784236	N/A	N/A	N/A	Inc-APIP-1
A_33_P3235876	1,63676	1,62549	1,00784236	ENST00000390632	N/A	AF017464	N/A
A_21_P0007965	1,62966	1,6184	1,007835374	ENST00000439008	104326054	N/A	LINC00399
A_23_P326080	1,36789	1,35666	1,007814417	ENST00000297435	1669	NM_001925	DEFA4
A_21_P0001312	1,63572	1,62449	1,007814417	N/A	N/A	N/A	Inc-HOOK1-3
A_22_P00014685	7,90382	7,89259	1,007814417	N/A	N/A	N/A	Inc-SLC25A21-1
A_33_P3239112	4,89979	4,88857	1,007807432	ENST00000375290	5727	AB214500	PTCH1
A_22_P00013510	1,54015	1,52893	1,007807432	ENST00000523602	N/A	N/A	N/A
A_22_P00010360	1,62874	1,61754	1,007793461	ENST00000560623	N/A	CD242622	N/A
A_21_P0013868	1,53	1,51881	1,007786475	ENST00000431706	N/A	N/A	N/A

A_21_P0007860	1,50902	1,49783	1,007786475	N/A	N/A	N/A	Inc-TMEM132B-4
A_21_P0002014	1,43904	1,42786	1,00777949	ENST00000430897	N/A	N/A	N/A
A_22_P00021210	1,49387	1,48269	1,00777949	N/A	101928988	NR_120344	LOC101928988
A_33_P3365815	1,39279	1,38161	1,00777949	N/A	729866	AK057458	LOC729866
A_24_P285055	1,55215	1,54098	1,007772504	ENST00000362095	83259	NM_032972	PCDH11Y
A_24_P271696	1,55131	1,54015	1,007765519	ENST00000518075	653220	NM_001097594	XAGE1B
A_22_P00024812	1,5507	1,53958	1,007737578	N/A	N/A	BQ082424	Inc-LOX-3
A_22_P00018277	1,54143	1,53032	1,007730593	ENST00000568729	N/A	AL832552	N/A
A_23_P361333	1,67245	1,66134	1,007730593	ENST00000435614	84077	NM_032137	C3orf20
A_21_P0009868	1,45467	1,44356	1,007730593	N/A	N/A	N/A	Inc-C20orf197-2
A_21_P0010742	4,66795	4,65685	1,007723608	ENST00000439440	N/A	N/A	N/A
A_22_P00006987	1,5523	1,54124	1,007695668	N/A	N/A	N/A	Inc-GDPD5-1
A_22_P00020424	1,49443	1,48337	1,007695668	N/A	N/A	BX103274	Inc-PBX1-1
A_21_P0009742	2,67412	2,66306	1,007695668	N/A	N/A	N/A	Inc-PGLYRP2-1
A_21_P0012885	5,32701	5,31595	1,007695668	ENST00000522848	N/A	N/A	N/A
A_32_P228775	8,72545	8,7144	1,007688684	ENST00000470976	151987	NM_174907	PPP4R2
A_23_P419786	1,47642	1,46538	1,007681699	ENST00000358582	163115	NM_152605	ZNF781
A_22_P00015218	1,70802	1,69699	1,007674714	ENST00000577281	N/A	N/A	N/A
A_33_P3398386	1,63983	1,6288	1,007674714	ENST00000444490	1842	NM_001197296	ECM2
A_21_P0002068	1,55639	1,54536	1,007674714	ENST00000450290	N/A	N/A	N/A
A_21_P0008346	1,54173	1,53071	1,00766773	N/A	N/A	N/A	Inc-MNAT1-2
A_24_P813550	1,36376	1,35274	1,00766773	ENST00000390616	N/A	XM_006724899	N/A
A_22_P00003072	1,38231	1,3713	1,007660745	ENST00000518722	N/A	N/A	N/A
A_33_P3371633	1,46301	1,452	1,007660745	ENST00000369701	22986	NM_014978	SORCS3
A_33_P6822108	1,36501	1,35401	1,00765376	N/A	102723439	NR_120673	LOC102723439
A_33_P3367726	1,50681	1,49581	1,00765376	ENST00000605735	643486	NR_003539	BRDTP1
A_23_P156471	11,3134	11,3024	1,00765376	ENST00000371477	988	NM_001253	CDC5L
A_33_P3382830	1,56897	1,55798	1,007646776	ENST00000423208	643623	NR_038906	LOC643623
A_33_P3792370	1,55382	1,54284	1,007639791	N/A	285375	NR_027103	LINC00620
A_21_P0010884	1,45315	1,44217	1,007639791	ENST00000594536	100507027	NR_038200	LINC00948
A_21_P0009572	1,57036	1,55938	1,007639791	N/A	N/A	N/A	Inc-NETO1-1
A_22_P00004020	1,77276	1,76178	1,007639791	ENST00000416004	N/A	N/A	N/A
A_21_P0001314	1,38501	1,37403	1,007639791	N/A	N/A	N/A	Inc-INADL-1

A_33_P3331791	9,46227	9,4513	1,007632807	N/A	N/A	N/A	N/A
A_33_P3367836	1,4665	1,45553	1,007632807	N/A	N/A	N/A	XLOC_I2_013648
A_33_P3410121	1,39124	1,38027	1,007632807	ENST00000378592	85452	AK127388	CFAP74
A_33_P3303444	1,5189	1,50794	1,007625823	ENST00000226355	173	NM_001133	AFM
A_23_P108564	1,55324	1,54228	1,007625823	ENST00000392690	8708	NM_020981	B3GALT1
A_24_P97374	1,53349	1,52253	1,007625823	ENST00000449599	8320	NM_005442	EOMES
A_21_P0001695	1,5634	1,55244	1,007625823	N/A	N/A	N/A	Inc-PTBP2-1
A_22_P00005144	1,55187	1,54091	1,007625823	ENST00000541769	100996671	NR_110035	LOC100996671
A_21_P0013429	1,42341	1,41245	1,007625823	ENST00000426550	N/A	N/A	N/A
A_33_P3358432	1,36842	1,35746	1,007625823	N/A	100507073	AK023375	LOC100507073
A_21_P0009439	1,65386	1,64292	1,007611854	N/A	N/A	N/A	Inc-NDC80-2
A_32_P73796	1,62981	1,61887	1,007611854	ENST00000308249	22843	NM_014906	PPM1E
A_22_P00011492	1,46928	1,45836	1,007597886	N/A	N/A	AY944074	Inc-PARP16-1
A_21_P0002297	1,35833	1,34742	1,007590902	N/A	N/A	N/A	Inc-SPOPL-3
A_33_P3303752	1,62901	1,61811	1,007583918	N/A	N/A	N/A	N/A
A_21_P0013754	1,55395	1,54305	1,007583918	N/A	N/A	N/A	XLOC_I2_015453
A_22_P00003865	1,61712	1,60623	1,007576934	N/A	N/A	N/A	Inc-CELF4-3
A_33_P3406405	1,49581	1,48493	1,00756995	N/A	N/A	N/A	N/A
A_22_P00011188	1,66453	1,65366	1,007562966	N/A	N/A	N/A	Inc-OIT3-1
A_23_P144512	1,63029	1,61942	1,007562966	ENST00000358842	2712	NM_033214	GK2
A_23_P205428	1,5082	1,49735	1,007548998	ENST00000313071	2290	NM_005249	FOXG1
A_22_P00019224	1,72127	1,71043	1,007542014	N/A	N/A	DA155990	Inc-ZSWIM2-1
A_22_P00014294	1,48471	1,47387	1,007542014	N/A	N/A	N/A	Inc-SERAC1-4
A_21_P0014779	1,5379	1,52707	1,007535031	ENST00000494753	123	AK094196	PLIN2
A_23_P115842	10,9829	10,9721	1,00751408	ENST00000540210	55749	NM_018237	CCAR1
A_21_P0012686	1,36369	1,35289	1,00751408	ENST00000503593	N/A	N/A	N/A
A_23_P162336	12,7376	12,7268	1,00751408	ENST00000551434	4848	NM_014515	CNOT2
A_33_P3252612	18,2657	18,2549	1,00751408	ENST00000308919	54905	NM_017781	CYP2W1
A_22_P00003208	1,51505	1,50426	1,007507096	ENST00000534117	100505532	N/A	LINC01301
A_23_P58046	1,53884	1,52806	1,007500113	ENST00000236709	51146	NM_016161	A4GNT
A_21_P0007438	1,48609	1,47531	1,007500113	N/A	N/A	N/A	Inc-LGALS12-2
A_21_P0004169	1,49155	1,48077	1,007500113	N/A	101927190	N/A	LOC101927190
A_33_P3290677	1,42731	1,41654	1,007493129	ENST00000338875	391723	NM_001300781	HELT

A_22_P00010237	1,51598	1,50521	1,007493129	N/A	N/A	BC037791	lnc-MT1G-2
A_33_P3222253	1,52109	1,51033	1,007486146	ENST00000225371	8288	NM_000502	EPX
A_23_P9496	1,39554	1,38478	1,007486146	ENST00000619587	8022	NM_014564	LHX3
A_21_P0009862	1,47123	1,46047	1,007486146	ENST00000434176	N/A	N/A	N/A
A_22_P00010419	1,54467	1,53392	1,007479162	N/A	N/A	N/A	lnc-MYOF-1
A_21_P0004234	1,47198	1,46123	1,007479162	N/A	N/A	N/A	lnc-BASP1-3
A_33_P3411021	1,49083	1,48008	1,007479162	N/A	6585	BC028105	SLIT1
A_22_P00005259	1,53295	1,52221	1,007472179	N/A	N/A	N/A	lnc-DMRTA1-5
A_22_P00021309	1,36013	1,34939	1,007472179	N/A	N/A	XM_005251920	lnc-OR1J2-1
A_22_P00021995	1,63901	1,62827	1,007472179	ENST00000415655	N/A	N/A	N/A
A_33_P3313596	9,35147	9,34074	1,007465196	ENST00000401096	728642	NM_033529	CDK11A
A_21_P0009454	1,54993	1,53921	1,007458213	N/A	N/A	N/A	lnc-SLC35G4-3
A_21_P0003168	3,0364	3,02568	1,007458213	ENST00000461398	101927149	XR_241560	LINC01471
A_21_P0007190	1,55125	1,54053	1,007458213	ENST00000532947	N/A	N/A	N/A
A_23_P40515	1,45317	1,44245	1,007458213	ENST00000399635	23617	NM_053006	TSSK2
A_22_P00017084	1,71043	1,69971	1,007458213	N/A	N/A	N/A	lnc-TXLNB-1
A_33_P3398697	13,1895	13,1788	1,007444246	ENST00000404072	9463	NM_012407	PICK1
A_33_P3280927	10,6554	10,6447	1,007444246	N/A	84973	NR_024542	SNHG7
A_33_P3279765	6,03102	6,02032	1,007444246	ENST00000395663	514	N/A	ATP5E
A_23_P250035	12,265	12,2543	1,007444246	ENST00000505555	6389	NM_004168	SDHA
A_21_P0005296	1,49182	1,48113	1,007437263	ENST00000441150	N/A	N/A	N/A
A_22_P00003417	1,40013	1,38944	1,007437263	ENST00000453706	N/A	N/A	N/A
A_21_P0007441	3,13338	3,12271	1,007423297	N/A	N/A	N/A	lnc-ANO1-1
A_22_P00015038	1,67833	1,66766	1,007423297	ENST00000458004	N/A	N/A	N/A
A_22_P00010196	1,66971	1,65904	1,007423297	N/A	N/A	N/A	lnc-MRPS7-2
A_22_P00010358	1,70355	1,69288	1,007423297	N/A	N/A	N/A	lnc-MYCT1-1
A_33_P3317163	1,70668	1,69601	1,007423297	ENST00000393655	7021	NM_003221	TFAP2B
A_23_P257091	9,94093	9,93026	1,007423297	ENST00000530491	8021	NM_005085	NUP214
A_21_P0009256	1,71961	1,70895	1,007416315	N/A	N/A	N/A	lnc-AC102948.1.1-1
A_23_P414312	1,49703	1,48639	1,007402349	ENST00000304613	85442	NM_152643	KNDC1
A_21_P0007647	1,95457	1,94393	1,007402349	N/A	N/A	N/A	lnc-ZNF664-2
A_21_P0006654	1,45622	1,4456	1,007388383	N/A	N/A	N/A	lnc-CELF2-2
A_22_P00003396	1,54987	1,53926	1,007381401	N/A	N/A	N/A	lnc-CCDC117-1

A_33_P3384775	1,63143	1,62086	1,007353471	ENST00000398497	49854	AB190374	ZBTB21
A_21_P0000902	1,54754	1,53697	1,007353471	N/A	100287559	NR_040107	ADPGK-AS1
A_33_P3320022	1,63758	1,62702	1,007346488	ENST00000506823	442117	NM_001034845	GALNTL6
A_21_P0014452	1,37221	1,36165	1,007346488	N/A	N/A	AK130262	N/A
A_21_P0007045	1,48368	1,47312	1,007346488	N/A	N/A	N/A	Inc-GATA3-1
A_19_P00315959	1,58521	1,57465	1,007346488	N/A	N/A	N/A	Inc-NR2F1-1
A_21_P0010254	1,61998	1,60943	1,007339506	N/A	N/A	N/A	Inc-UMODL1-1
A_23_P373109	1,49273	1,48218	1,007339506	ENST00000431078	129684	NM_130773	CNTNAP5
A_33_P3318092	1,50954	1,49899	1,007339506	ENST00000284602	5506	NM_002711	PPP1R3A
A_22_P00025202	1,51828	1,50774	1,007332524	N/A	101928386	NR_110237	LOC101928386
A_21_P0013400	1,49212	1,48158	1,007332524	ENST00000440208	N/A	N/A	N/A
A_22_P00011714	1,4667	1,45617	1,007325541	N/A	N/A	N/A	Inc-PDZD9-1
A_21_P0008927	1,54869	1,53817	1,007318559	ENST00000562980	N/A	N/A	N/A
A_23_P171397	1,46533	1,45481	1,007318559	ENST00000439108	378948	NM_001006121	RBM1B
A_22_P00014470	1,49672	1,4862	1,007318559	N/A	N/A	BC037883	Inc-SH3TC2-1
A_21_P0000277	5,07812	5,06761	1,007311577	N/A	26812	NR_002602	SNORD37
A_33_P6753187	1,56799	1,55748	1,007311577	ENST00000427055	645784	NR_015424	ANKRD36BP2
A_21_P0005164	1,39353	1,38303	1,007304595	N/A	N/A	N/A	Inc-UNC5CL-1
A_23_P42802	13,5308	13,5203	1,007304595	ENST00000286091	9601	NM_004911	PDIA4
A_24_P902728	8,86449	8,854	1,007297613	ENST00000389645	4076	NM_203364	CAPRIN1
A_23_P118842	1,81038	1,79989	1,007297613	ENST00000361883	83895	NM_031957	KRTAP1-5
A_33_P3281181	1,66444	1,65395	1,007297613	ENST00000510550	100132987	AK294518	LINC00856
A_21_P0003645	2,73231	2,72182	1,007297613	N/A	N/A	N/A	Inc-AC079341.1-2
A_22_P00025505	1,51577	1,50528	1,007297613	ENST00000415019	N/A	N/A	N/A
A_22_P00004792	1,7238	1,71332	1,007290631	ENST00000456722	N/A	N/A	N/A
A_22_P00025054	1,671	1,66055	1,007269685	N/A	101928174	NR_120329	LOC101928174
A_22_P00011254	1,54825	1,53781	1,007262703	ENST00000436804	N/A	N/A	N/A
A_32_P104772	1,67582	1,66539	1,007255721	N/A	N/A	N/A	XLOC_I2_015179
A_33_P3269862	1,49068	1,48025	1,007255721	ENST00000420841	N/A	N/A	N/A
A_21_P0004042	1,55017	1,53974	1,007255721	ENST00000501405	N/A	N/A	N/A
A_33_P3210399	6,49358	6,48315	1,007255721	ENST00000415427	6563	NM_001146037	SLC14A1
A_24_P940275	1,63556	1,62514	1,007248739	ENST00000616992	9758	NM_014728	FRMPD4
A_22_P00006608	1,47855	1,46814	1,007241758	N/A	N/A	N/A	Inc-FOXA1-3

A_33_P3216664	5,50865	5,49825	1,007234776	ENST00000470346	151174	NR_026925	LOC151174
A_33_P3366156	1,53457	1,52417	1,007234776	ENST00000489917	83890	NM_031952	SPATA9
A_21_P0002578	1,56435	1,55395	1,007234776	N/A	N/A	N/A	Inc-AC010872.2.1-5
A_33_P3397443	13,0924	13,082	1,007234776	ENST00000574680	9088	NM_182687	PKMYT1
A_33_P3261132	2,19315	2,18276	1,007227795	ENST00000422857	360155	NR_001560	CYCSP52
A_22_P00013501	1,5253	1,51491	1,007227795	ENST00000539653	100507065	NR_120431	LOC100507065
A_21_P0008923	1,56046	1,55008	1,007220813	N/A	102724505	XR_424692	LOC102724505
A_22_P00007922	1,48529	1,47491	1,007220813	ENST00000415283	N/A	N/A	N/A
A_21_P0008978	1,72465	1,71428	1,007213831	ENST00000568751	101928248	NR_104660	LINC01229
A_33_P3297606	1,66207	1,65173	1,007192887	ENST00000463633	57047	N/A	PLSCR2
A_23_P5968	1,51967	1,50933	1,007192887	ENST00000372769	6407	NM_003008	SEMG2
A_23_P392476	1,5501	1,53978	1,007178925	ENST00000424296	221264	NM_001145128	AK9
A_21_P0003331	2,30383	2,29352	1,007171944	ENST00000602641	N/A	XR_428480	N/A
A_24_P282383	1,46652	1,45622	1,007164962	ENST00000355349	4625	NM_000257	MYH7
A_33_P3221438	9,39518	9,38488	1,007164962	ENST00000310380	152002	NM_152531	XXYL1
A_23_P9402	1,45341	1,44313	1,007151	ENST00000610543	1271	NM_147164	CNTFR
A_33_P3257910	1,4908	1,48052	1,007151	ENST00000326474	401097	NM_001168214	C3orf80
A_23_P136413	8,47356	8,4633	1,007137038	ENST00000360564	4326	NM_016155	MMP17
A_33_P3451508	1,49222	1,48196	1,007137038	ENST00000446592	N/A	BC070152	N/A
A_23_P140342	1,71099	1,70075	1,007123076	ENST00000340446	84075	NM_032135	FSCB
A_21_P0012191	1,46949	1,45925	1,007123076	N/A	N/A	N/A	XLOC_I2_009163
A_22_P00018511	1,68495	1,67473	1,007109115	N/A	N/A	N/A	Inc-ANLN-1
A_33_P3375279	1,51263	1,50241	1,007109115	N/A	100128264	NR_038945	HTR5A-AS1
A_21_P0004538	1,3855	1,37529	1,007102134	ENST00000518260	N/A	N/A	N/A
A_21_P0011234	1,48513	1,47493	1,007095153	ENST00000610194	100874178	XR_246656	LINC00454
A_22_P00008331	1,57646	1,56626	1,007095153	N/A	N/A	N/A	Inc-ITK-1
A_21_P0004197	1,47101	1,46081	1,007095153	N/A	N/A	N/A	Inc-NDUFS6-5
A_22_P00005577	1,5106	1,5004	1,007095153	ENST00000451034	101927165	XR_245005	LOC101927165
A_23_P21990	1,55067	1,54047	1,007095153	ENST00000353963	9963	NM_152685	SLC23A1
A_21_P0011978	1,5454	1,5352	1,007095153	N/A	N/A	N/A	XLOC_I2_008343
A_22_P00007676	3,01827	3,00807	1,007095153	N/A	N/A	N/A	Inc-HIATL1-6
A_23_P311087	10,1631	10,1529	1,007095153	ENST00000367352	23528	NM_012482	ZNF281
A_22_P00005455	1,49519	1,485	1,007088173	ENST00000518178	N/A	N/A	N/A

A_21_P0003957	1,48008	1,4699	1,007081192	ENST00000514474	N/A	N/A	N/A
A_22_P00011545	1,53619	1,52602	1,007074212	ENST00000508605	102724735	N/A	LOC102724735
A_24_P323131	1,48681	1,47664	1,007074212	ENST00000250776	50858	NR_001538	TTY1
A_24_P16833	1,54451	1,53434	1,007074212	ENST00000528921	120114	NM_001008781	FAT3
A_21_P0009741	1,66826	1,6581	1,007067231	N/A	N/A	N/A	Inc-DDX39A-2
A_22_P00001593	1,54883	1,53868	1,007060251	ENST00000360035	55999	NR_002216	NXF4
A_33_P3376661	1,66816	1,65802	1,00705327	ENST00000439464	375940	N/A	DMBT1P1
A_22_P00010881	1,55708	1,54694	1,00705327	N/A	N/A	DR761951	Inc-NPBWR1-1
A_19_P00317822	1,47428	1,46414	1,00705327	N/A	N/A	N/A	Inc-RASA1-7
A_21_P0010426	1,49948	1,48934	1,00705327	N/A	N/A	N/A	Inc-FAM19A5-2
A_23_P51565	4,25248	4,24235	1,00704629	ENST00000556362	7135	NM_003281	TNNI1
A_21_P0013681	1,61248	1,60235	1,00704629	N/A	N/A	N/A	XLOC_I2_015322
A_32_P370026	1,45585	1,44573	1,00703931	ENST00000590072	N/A	N/A	N/A
A_33_P3225101	1,42165	1,41153	1,00703931	N/A	N/A	BX097452	N/A
A_33_P3304092	1,56675	1,55664	1,00703233	N/A	N/A	N/A	N/A
A_23_P75097	16,8732	16,8631	1,007025349	ENST00000370215	79955	NM_024895	PDZD7
A_33_P3214035	1,62202	1,61192	1,007025349	ENST00000436735	135	NM_001278497	ADORA2A
A_21_P0001942	1,67347	1,66337	1,007025349	ENST00000419129	N/A	N/A	N/A
A_33_P3833478	1,48211	1,47201	1,007025349	N/A	160824	BC036697	SP3P
A_21_P0005617	6,68206	6,67197	1,007018369	ENST00000517910	N/A	N/A	N/A
A_33_P3375513	1,48846	1,47838	1,007011389	N/A	N/A	N/A	N/A
A_21_P0008866	1,56242	1,55236	1,006997429	N/A	N/A	N/A	Inc-KLHL25-8
A_21_P0011040	1,49328	1,48322	1,006997429	N/A	N/A	N/A	XLOC_I2_002894
A_22_P00022044	1,45803	1,44798	1,006990449	ENST00000511749	N/A	N/A	N/A
A_22_P00018601	1,72403	1,71399	1,006983469	N/A	100873970	NR_120382	GPC5-AS2
A_24_P931201	1,48035	1,47032	1,006976489	N/A	100130071	AY358179	LOC100130071
A_22_P00007116	2,29002	2,28	1,00696951	N/A	N/A	N/A	Inc-GLYATL2-1
A_24_P353289	12,7032	12,6932	1,00695555	ENST00000490922	83606	NM_031444	GUCD1
A_22_P00020551	1,48866	1,47866	1,00695555	ENST00000430815	246312	BF056119	C21orf91-OT1
A_33_P3298460	1,70147	1,69147	1,00695555	ENST00000375497	2641	NM_002054	GCG
A_22_P00021423	1,47971	1,46971	1,00695555	N/A	N/A	N/A	Inc-TRAPPC11-2
A_23_P151264	1,48281	1,47282	1,00694857	ENST00000609686	2904	NM_000834	GRIN2B
A_33_P3379906	1,54758	1,53759	1,00694857	ENST00000315519	122748	NM_001004480	OR11H6

A_21_P0010833	1,3977	1,38772	1,006941591	ENST00000526759	253264	NR_038223	ZNF503-AS1
A_33_P3257182	1,4839	1,47393	1,006934611	ENST00000597498	4606	NM_004533	MYBPC2
A_33_P3255924	1,84499	1,83503	1,006927632	ENST00000527145	390110	NM_001031854	ACCSL
A_22_P00011244	4,26999	4,26006	1,006906693	ENST00000575487	N/A	N/A	N/A
A_21_P0010027	1,56319	1,55327	1,006899714	N/A	N/A	N/A	Inc-C20orf3-2
A_33_P3315470	1,42074	1,41082	1,006899714	ENST00000505626	255167	NR_024424	LINC01018
A_22_P00018623	1,71102	1,70111	1,006892735	N/A	N/A	DA192300	Inc-TRIO-2
A_21_P0001628	1,48996	1,48006	1,006885756	N/A	N/A	N/A	Inc-TAF1A-1
A_22_P00011298	1,66858	1,65868	1,006885756	ENST00000533552	N/A	N/A	N/A
A_22_P00003279	1,5593	1,54943	1,006864818	N/A	N/A	N/A	Inc-CALML5-4
A_23_P33961	2,0167	2,00685	1,00685086	ENST00000370648	680	NM_001727	BRS3
A_33_P3283744	4,96662	4,95677	1,00685086	ENST00000624675	100132249	XR_158980	LOC100132249
A_22_P00010907	1,49021	1,48036	1,00685086	ENST00000414127	N/A	N/A	N/A
A_21_P0009479	1,35656	1,34672	1,006843881	ENST00000579506	102724651	N/A	LOC102724651
A_22_P00005795	1,49469	1,48485	1,006843881	ENST00000444361	N/A	N/A	N/A
A_23_P63777	1,45335	1,44351	1,006843881	ENST00000334011	170392	NM_152635	OIT3
A_22_P00011220	1,41803	1,40821	1,006829924	N/A	100507470	NR_038986	GRID1-AS1
A_21_P0008384	1,58634	1,57652	1,006829924	N/A	N/A	N/A	Inc-C14orf177-4
A_24_P50437	12,989	12,9792	1,006815966	ENST00000472161	N/A	BC065737	N/A
A_33_P3299540	1,62471	1,61491	1,006815966	N/A	341277	BC160173	OVCH2
A_23_P112260	11,5864	11,5766	1,006815966	ENST00000374293	2790	NM_001017998	GNG10
A_22_P00013916	1,56954	1,55975	1,006808987	ENST00000557062	N/A	N/A	N/A
A_33_P3865962	2,31085	2,30106	1,006808987	N/A	440714	BG215431	C1orf143
A_22_P00013839	4,27196	4,26218	1,006802009	N/A	N/A	AA766173	Inc-RPL24-1
A_22_P00002610	1,75448	1,7447	1,006802009	ENST00000563837	64788	NR_036442	LMF1
A_21_P0006625	1,53219	1,52241	1,006802009	N/A	N/A	N/A	Inc-JMJD1C-2
A_21_P0005300	1,68878	1,67902	1,006788052	N/A	N/A	N/A	Inc-PSMA2-1
A_23_P78849	3,04869	3,03893	1,006788052	ENST00000592956	6861	NM_003180	SYT5
A_24_P255471	1,54658	1,53683	1,006781073	ENST00000532592	143425	NM_175733	SYT9
A_22_P00006619	1,65856	1,64881	1,006781073	ENST00000420928	101929663	N/A	LINC01427
A_22_P00009415	1,53212	1,52237	1,006781073	ENST00000519323	N/A	BC022402	N/A
A_33_P3264424	7,70297	7,69323	1,006774095	N/A	N/A	N/A	N/A
A_21_P0011835	1,50809	1,49836	1,006767116	N/A	N/A	N/A	XLOC_I2_007468



A_21_P0011961	1,48476	1,47503	1,006767116	N/A	N/A	N/A	XLOC_I2_008226
A_21_P0007069	1,4684	1,45869	1,00675316	N/A	N/A	N/A	Inc-KIF20B-4
A_21_P0012477	7,25574	7,24604	1,006746181	N/A	N/A	N/A	XLOC_I2_010493
A_21_P0005420	1,47847	1,46878	1,006739203	N/A	N/A	N/A	Inc-TE5-1
A_33_P3224331	1,4112	1,40152	1,006732225	ENST00000336079	8653	NM_004660	DDX3Y
A_21_P0008972	1,46695	1,45727	1,006732225	N/A	N/A	N/A	Inc-RP11-58C22.1.1-3
A_23_P97465	1,45227	1,44259	1,006732225	ENST00000240189	65122	NM_023014	PRAMEF2
A_23_P251868	1,56286	1,55318	1,006732225	ENST00000432335	83864	NR_001530	TTTY9A
A_21_P0013597	1,51089	1,50122	1,006725247	N/A	N/A	N/A	XLOC_I2_015003
A_21_P0013216	1,40652	1,39685	1,006725247	ENST00000434932	N/A	N/A	N/A
A_33_P3328292	8,62435	8,61468	1,006725247	ENST00000246229	5326	NM_002657	PLAGL2
A_23_P203391	8,80845	8,79881	1,006704313	ENST00000525708	80150	NM_001083926	ASRGL1
A_19_P00325887	4,74976	4,74012	1,006704313	N/A	N/A	N/A	Inc-STX18-1
A_22_P00022491	1,52646	1,51683	1,006697335	N/A	N/A	N/A	Inc-MID1IP1-2
A_21_P0001504	4,35201	4,34238	1,006697335	N/A	N/A	N/A	Inc-FAF1-1
A_22_P00015421	1,48977	1,48016	1,006683379	ENST00000413004	N/A	BG117612	N/A
A_23_P327462	1,50462	1,49501	1,006683379	ENST00000332958	222546	NM_173560	RFX6
A_21_P0012509	1,52673	1,51713	1,006676401	ENST00000498616	N/A	N/A	N/A
A_23_P30175	11,9195	11,9099	1,006676401	ENST00000380943	55914	NM_018695	ERBB2IP
A_24_P3461	7,98598	7,97639	1,006669424	ENST00000447135	N/A	BC172311	N/A
A_21_P0004524	1,51065	1,50107	1,006662446	N/A	N/A	N/A	Inc-LVRN.1-1
A_33_P3304948	1,53606	1,52649	1,006655468	ENST00000562532	343702	NM_001011718	XKR7
A_22_P00008007	1,47084	1,46127	1,006655468	N/A	N/A	N/A	Inc-IFNG-3
A_21_P0014941	1,54606	1,53649	1,006655468	N/A	100505705	AK129633	SDIM1
A_21_P0012760	1,69517	1,68561	1,006648491	ENST00000511746	N/A	XR_244772	N/A
A_33_P3393679	1,51183	1,50227	1,006648491	ENST00000530957	22997	NM_001277285	IGSF9B
A_21_P0012092	1,534	1,52444	1,006648491	ENST00000419362	N/A	N/A	N/A
A_23_P348227	1,67418	1,66462	1,006648491	ENST00000506786	7694	NM_003436	ZNF135
A_21_P0006314	1,54527	1,53572	1,006641513	N/A	N/A	N/A	Inc-TNC-3
A_24_P161764	1,55431	1,54476	1,006641513	ENST00000390595	N/A	L04336	N/A
A_33_P3262600	1,53817	1,52863	1,006634536	N/A	N/A	N/A	N/A
A_33_P3266898	9,67577	9,66623	1,006634536	ENST00000434452	1825	NM_001941	DSC3
A_22_P00011741	1,54341	1,53388	1,006627558	N/A	101929398	XR_242466	LOC101929398

A_22_P00019640	8,49995	8,49043	1,006620581	ENST00000436280	11321	NM_007266	GPN1
A_24_P179244	1,55715	1,54763	1,006620581	N/A	N/A	AK092594	Inc-RPS27L-2
A_33_P3218380	1,3661	1,35659	1,006613604	ENST00000355909	100129345	NR_033943	LOC100129345
A_21_P0003436	1,62017	1,61066	1,006613604	ENST00000515222	N/A	N/A	N/A
A_24_P29277	10,3475	10,338	1,006606626	ENST00000380494	10087	NM_001130105	COL4A3BP
A_22_P00002455	1,56113	1,55163	1,006606626	N/A	N/A	AK097712	Inc-C15orf32-1
A_24_P186944	16,6561	16,6466	1,006606626	ENST00000439124	N/A	N/A	N/A
A_23_P394972	1,51528	1,5058	1,006592672	ENST00000614657	54084	NM_144991	TSPEAR
A_23_P1912	1,41096	1,40148	1,006592672	ENST00000620319	22917	NM_207341	ZP1
A_22_P00015402	6,31755	6,30809	1,006578718	N/A	100216545	NR_024586	KMT2E-AS1
A_33_P3361831	1,50706	1,4976	1,006578718	ENST00000308062	100288801	NM_001124759	FRG2C
A_22_P00014472	1,41358	1,40412	1,006578718	N/A	N/A	N/A	Inc-SHANK2-2
A_22_P00015610	1,54603	1,53657	1,006578718	N/A	N/A	N/A	Inc-STYXL1-1
A_33_P3482534	1,54495	1,53549	1,006578718	N/A	613266	BC043571	LOC613266
A_32_P107644	1,54934	1,53988	1,006578718	ENST00000413670	N/A	AK092728	N/A
A_21_P0004433	1,54418	1,53472	1,006578718	N/A	N/A	N/A	Inc-DTWD2-3
A_22_P00013849	3,66626	3,6568	1,006578718	N/A	N/A	N/A	Inc-RPL31-1
A_33_P3338066	1,54457	1,53512	1,006571741	ENST00000444705	91156	NM_001164586	IGFN1
A_21_P0003686	1,45251	1,44306	1,006571741	N/A	N/A	N/A	Inc-NEIL3-1
A_21_P0013467	1,49109	1,48165	1,006564764	ENST00000525829	440078	NR_026788	FAM66C
A_21_P0006224	1,67254	1,66311	1,006557787	N/A	N/A	N/A	Inc-LHX2-1
A_23_P121459	1,4866	1,47717	1,006557787	ENST00000204615	7066	NM_000460	THPO
A_21_P0003687	1,67503	1,66561	1,00655081	N/A	N/A	N/A	Inc-NEIL3-3
A_22_P00014102	1,51747	1,50806	1,006543833	N/A	N/A	N/A	Inc-SAYS1-1
A_21_P0004922	1,51203	1,50262	1,006543833	N/A	N/A	N/A	Inc-RFPL4B-2
A_33_P7363082	12,4876	12,4782	1,006536856	ENST00000542907	51503	NM_016403	CWC15
A_23_P432947	1,4245	1,4151	1,006536856	ENST00000300177	26585	NM_013372	GREM1
A_33_P3343182	1,36655	1,35715	1,006536856	ENST00000254653	79781	NM_024726	IQCA1
A_33_P3260125	1,57074	1,56134	1,006536856	ENST00000344642	401944	NM_001013693	LDLRAD2
A_22_P00014729	1,66242	1,65302	1,006536856	N/A	N/A	N/A	Inc-SLC2A13-3
A_22_P00009937	1,7108	1,7014	1,006536856	ENST00000432359	N/A	N/A	N/A
A_33_P3226460	1,36329	1,35389	1,006536856	N/A	N/A	N/A	N/A
A_22_P00011003	3,54284	3,53344	1,006536856	N/A	N/A	N/A	Inc-NSMCE1-3

A_23_P410700	1,52752	1,51813	1,006529879	ENST00000299578	123775	NM_152337	C16orf46
A_21_P0013376	1,47987	1,47048	1,006529879	ENST00000420774	N/A	N/A	N/A
A_24_P238510	1,55943	1,55004	1,006529879	ENST00000449911	N/A	N/A	N/A
A_23_P407840	1,60274	1,59337	1,006515926	ENST00000297267	84624	NM_032532	FNDC1
A_23_P254989	1,54555	1,53619	1,006508949	ENST00000262839	7224	NM_012471	TRPC5
A_22_P00010537	1,52946	1,52012	1,006494996	N/A	102724050	NR_120487	LOC102724050
A_24_P942904	1,4678	1,45846	1,006494996	ENST00000297161	168667	NM_133468	BMPER
A_33_P3209391	1,70054	1,69121	1,00648802	N/A	N/A	AK096012	Inc-FGFR1OP-6
A_21_P0005683	1,48199	1,47266	1,00648802	N/A	N/A	N/A	Inc-WRN-6
A_22_P00021396	1,53332	1,52399	1,00648802	ENST00000517681	N/A	N/A	N/A
A_24_P89891	5,12018	5,11086	1,006481043	ENST00000373887	7185	NM_005658	TRAF1
A_21_P0005630	1,70218	1,69286	1,006481043	ENST00000520206	101927774	NR_121672	LINC00824
A_33_P3330074	5,04111	5,0318	1,006474067	ENST00000451043	7221	N/A	TRPC2
A_22_P00016898	11,7916	11,7823	1,006467091	ENST00000425279	N/A	N/A	N/A
A_32_P57057	10,7062	10,6969	1,006467091	ENST00000546718	9958	NM_006313	USP15
A_33_P3413020	1,66664	1,65734	1,006467091	ENST00000439329	1361	NM_001872	CPB2
A_22_P00022811	1,36485	1,35555	1,006467091	ENST00000440074	N/A	N/A	N/A
A_23_P350698	4,1362	4,1269	1,006467091	ENST00000318698	162282	NM_153228	ANKFN1
A_33_P3678883	15,8583	15,849	1,006467091	N/A	85368	AB051441	KIAA1654
A_23_P428485	1,47498	1,46569	1,006460114	ENST00000344657	80309	NM_030623	SPHKAP
A_22_P00008438	4,80257	4,79328	1,006460114	N/A	N/A	N/A	Inc-KAT8-1
A_33_P3244623	1,52977	1,52048	1,006460114	N/A	376844	NR_001580	SDC4P
A_32_P232411	1,54003	1,53076	1,006446162	ENST00000294484	57540	NM_020780	PTCHD2
A_21_P0004037	1,57954	1,57029	1,00643221	ENST00000502324	N/A	N/A	N/A
A_23_P39223	7,62834	7,61909	1,00643221	ENST00000397061	7549	NM_021088	ZNF2
A_21_P0012125	1,67429	1,66505	1,006425234	N/A	N/A	N/A	XLOC_I2_008632
A_32_P385667	1,71452	1,7053	1,006411282	ENST00000614159	139422	NM_182506	MAGEB10
A_21_P0003134	1,58408	1,57486	1,006411282	N/A	N/A	N/A	Inc-GBE1-6
A_22_P00003056	1,54076	1,53155	1,006404306	ENST00000521793	N/A	N/A	N/A
A_24_P173746	6,65114	6,64193	1,006404306	ENST00000478871	55103	NM_152663	RALGPS2
A_21_P0006830	1,54135	1,53215	1,00639733	N/A	N/A	N/A	Inc-AL137145.1-6
A_22_P00010039	1,40492	1,39572	1,00639733	ENST00000564401	N/A	AK094529	N/A
A_22_P00024886	1,48396	1,47477	1,006390354	N/A	N/A	N/A	Inc-SOX30-1

A_23_P41541	7,35644	7,34725	1,006390354	ENST00000511687	90826	NM_138364	PRMT9
A_33_P3405204	1,5394	1,53021	1,006390354	ENST00000559225	729911	NR_038997	ANKRD34C-AS1
A_33_P3390521	8,09178	8,0826	1,006383379	ENST00000506271	65264	NM_023079	UBE2Z
A_33_P3388527	7,60407	7,5949	1,006376403	N/A	N/A	N/A	N/A
A_21_P0012784	1,70671	1,69755	1,006369427	ENST00000507153	100507096	N/A	GIMD1
A_21_P0001607	1,60957	1,60041	1,006369427	N/A	N/A	N/A	Inc-UCHL5-1
A_23_P345725	1,46714	1,45799	1,006362452	ENST00000306324	3233	NM_014621	HOXD4
A_33_P3409904	6,60015	6,591	1,006362452	ENST00000236192	8674	NM_003762	VAMP4
A_21_P0007737	1,6285	1,61936	1,006355476	N/A	N/A	N/A	Inc-C12orf12-2
A_22_P00025561	1,46913	1,46	1,006348501	N/A	N/A	N/A	Inc-ARFGAP2-1
A_22_P00023697	2,94191	2,93279	1,006341525	ENST00000451905	730338	XR_242176	LOC730338
A_23_P126031	4,66821	4,65911	1,006327574	ENST00000334857	127385	NM_001004469	OR10J5
A_33_P3221680	17,3012	17,2921	1,006327574	N/A	6234	NM_001031	RPS28
A_33_P3311056	15,4565	15,4474	1,006327574	ENST00000354559	6389	NM_004168	SDHA
A_33_P3323687	1,41927	1,41018	1,006320599	N/A	N/A	N/A	N/A
A_21_P0009142	1,39963	1,39056	1,006306649	N/A	N/A	N/A	Inc-MTHFSD-3
A_22_P00013653	1,7106	1,70154	1,006299673	N/A	N/A	AI732624	Inc-RP11-677C1.2.1-1
A_22_P00022801	1,35677	1,34772	1,006292698	ENST00000517695	N/A	N/A	N/A
A_21_P0013466	1,49207	1,48303	1,006285723	N/A	619343	N/A	ERICH1-AS1
A_21_P0006363	1,48764	1,4786	1,006285723	N/A	N/A	N/A	Inc-RAD23B-1
A_24_P97342	1,37351	1,36447	1,006285723	ENST00000353065	60675	NM_021935	PROK2
A_24_P323598	8,38017	8,37113	1,006285723	ENST00000305188	157570	NM_001017420	ESCO2
A_23_P118234	1,48323	1,4742	1,006278748	ENST00000541580	221223	NM_145024	CES5A
A_22_P00006119	1,55607	1,54704	1,006278748	ENST00000566945	N/A	N/A	N/A
A_33_P3318971	1,54872	1,53971	1,006264798	ENST00000357721	254013	AL832339	METTL20
A_33_P3397530	1,47835	1,46934	1,006264798	ENST00000302124	120586	NM_001003750	OR8I2
A_33_P3263569	1,5916	1,58259	1,006264798	ENST00000474186	254268	NM_152763	AKNAD1
A_33_P3258767	1,63471	1,62571	1,006257823	ENST00000584361	100130480	NR_120518	LINC01387
A_33_P3379581	1,66343	1,65443	1,006257823	ENST00000372903	23304	NM_001184801	UBR2
A_23_P422240	1,53687	1,52789	1,006243874	ENST00000290868	131669	NM_144639	UROC1
A_33_P3254535	1,40189	1,39291	1,006243874	N/A	100130642	AK124249	LOC100130642
A_23_P108734	1,54194	1,53297	1,006236899	ENST00000471711	55821	NM_018436	ALLC
A_23_P156402	1,72349	1,71452	1,006236899	ENST00000506657	8382	NM_003551	NME5

A_21_P0005959	1,47062	1,46166	1,006229924	N/A	N/A	N/A	Inc-DEFB104B-1
A_32_P34046	1,48322	1,47428	1,006215975	ENST00000370425	164045	NM_001017975	HFM1
A_21_P0012606	1,61154	1,6026	1,006215975	ENST00000505122	100996694	NR_121639	LOC100996694
A_21_P0005849	1,45216	1,44325	1,006195052	N/A	N/A	N/A	Inc-CRH-4
A_33_P3222598	1,41036	1,40145	1,006195052	ENST00000442212	N/A	N/A	N/A
A_33_P3376527	4,37473	4,36582	1,006195052	ENST00000409046	9486	NM_004854	CHST10
A_22_P00015035	1,55554	1,54664	1,006188077	ENST00000366308	255654	NR_040002	LOC255654
A_33_P3371305	1,53021	1,52131	1,006188077	N/A	644090	XR_428270	LOC644090
A_23_P394064	15,4237	15,4148	1,006188077	ENST00000357037	284119	NM_012232	PTRF
A_21_P0001387	1,48305	1,47417	1,006174129	N/A	101930532	XR_248664	LOC101930532
A_33_P3360072	1,45554	1,44666	1,006174129	ENST00000296604	202151	NM_001161429	RANBP3L
A_21_P0007833	1,53549	1,52662	1,006167155	N/A	283463	N/A	MUC19
A_22_P00020261	1,7129	1,70403	1,006167155	ENST00000438824	N/A	BX089370	N/A
A_33_P3251916	1,5371	1,52823	1,006167155	N/A	N/A	N/A	N/A
A_22_P00017898	1,53499	1,52612	1,006167155	N/A	N/A	DA538518	Inc-ZFC3H1-6
A_21_P0006543	1,54965	1,54079	1,00616018	N/A	N/A	N/A	Inc-RAB40A-1
A_22_P00005396	1,66634	1,65748	1,00616018	N/A	100874006	XR_254031	TTC3-AS1
A_32_P3066	1,53189	1,52304	1,006153206	ENST00000340783	N/A	N/A	N/A
A_22_P00021777	1,53629	1,52744	1,006153206	N/A	N/A	BG201704	Inc-CCDC7-4
A_21_P0004434	1,66484	1,65599	1,006153206	N/A	N/A	N/A	Inc-DTWD2-3
A_23_P126584	1,7208	1,71196	1,006146232	ENST00000368174	922	NM_005894	CD5L
A_33_P3274034	1,46692	1,45808	1,006146232	ENST00000316024	55135	AK056669	WRAP53
A_21_P0009363	1,62427	1,61544	1,006139258	N/A	N/A	N/A	Inc-BTBD17-4
A_22_P00002963	1,5611	1,55227	1,006139258	ENST00000511474	N/A	N/A	N/A
A_21_P0010301	1,54204	1,53322	1,006132284	N/A	N/A	N/A	Inc-TSPEAR-1
A_32_P512061	8,4851	8,47629	1,00612531	ENST00000575568	2630	NR_002188	GBAP1
A_22_P00000837	1,35634	1,34754	1,006118336	ENST00000560803	N/A	N/A	N/A
A_33_P3226675	1,56175	1,55295	1,006118336	N/A	N/A	N/A	N/A
A_21_P0006660	1,52256	1,51376	1,006118336	ENST00000436140	101929025	N/A	LINC01516
A_22_P00006323	1,54664	1,53785	1,006111362	N/A	N/A	DA955982	Inc-FAM98B-2
A_22_P00008426	1,38566	1,37688	1,006104389	N/A	100873940	NR_046629	MYLK-AS2
A_24_P347378	1,45209	1,44333	1,006090441	ENST00000617770	241	NM_001629	ALOX5AP
A_21_P0014945	5,59613	5,58738	1,006083467	N/A	100288687	XR_431831	DUX4

A_21_P0011802	7,05915	7,0504	1,006083467	ENST00000454137	2956	N/A	MSH6
A_22_P00010791	1,52455	1,51581	1,006076494	N/A	N/A	AK097755	Inc-NLK-2
A_33_P3421985	1,54978	1,54104	1,006076494	ENST00000404100	N/A	N/A	N/A
A_33_P3336257	1,53286	1,52413	1,00606952	ENST00000302006	79192	NM_024337	IRX1
A_21_P0003810	1,56029	1,55156	1,00606952	N/A	N/A	N/A	Inc-CLDN24-3
A_33_P3213982	1,49795	1,48922	1,00606952	ENST00000377981	392309	NM_001004487	OR13J1
A_21_P0007534	1,50087	1,49215	1,006062547	N/A	N/A	N/A	Inc-AEBP2-4
A_22_P00020634	1,47651	1,46779	1,006062547	ENST00000420845	N/A	BQ429059	N/A
A_23_P156218	1,50648	1,49777	1,006055573	ENST00000231009	3003	NM_002104	GZMK
A_24_P410086	11,6897	11,681	1,0060486	ENST00000270061	170463	NM_032627	SSBP4
A_22_P00020581	1,67097	1,66228	1,006041626	ENST00000547033	N/A	BG210412	N/A
A_33_P3375358	3,2096	3,20091	1,006041626	ENST00000366834	2853	NM_005299	GPR31
A_22_P00022858	1,54086	1,53217	1,006041626	ENST00000583629	N/A	DA957234	N/A
A_22_P00001933	1,67511	1,66643	1,006034653	ENST00000569362	101928880	NR_110944	LOC101928880
A_21_P0002491	1,7936	1,78492	1,006034653	N/A	N/A	N/A	Inc-AC108938.5.1-3
A_21_P0009102	1,48272	1,47405	1,00602768	N/A	N/A	N/A	Inc-MMP2-1
A_22_P00016176	1,55405	1,5454	1,006013733	ENST00000448475	N/A	N/A	N/A
A_33_P3852239	1,58018	1,57153	1,006013733	ENST00000506388	440034	NR_033971	DKFZp686K1684
A_24_P118052	1,66042	1,65178	1,00600676	ENST00000390680	93492	NM_199254	TPTE2
A_33_P3240552	1,70766	1,69902	1,00600676	ENST00000509355	5144	AK307363	PDE4D
A_21_P0007911	1,39731	1,38868	1,005999787	N/A	101927195	N/A	LINC00382
A_22_P00013101	1,37145	1,36283	1,005992814	N/A	N/A	N/A	Inc-RIMKLB-2
A_21_P0012431	1,51864	1,51002	1,005992814	ENST00000445675	101927347	N/A	GRM7-AS3
A_22_P00010359	1,5377	1,52908	1,005992814	N/A	N/A	BG193822	Inc-MYCT1-2
A_21_P0003900	1,51767	1,50905	1,005992814	N/A	N/A	N/A	Inc-RP11-455G16.1.1-1
A_24_P373885	8,7968	8,78819	1,005985841	ENST00000592872	148223	NM_152482	C19orf25
A_24_P398064	10,3612	10,3526	1,005978868	ENST00000378078	9827	D87447	RGP1
A_21_P0006721	1,45344	1,44484	1,005978868	ENST00000413993	N/A	N/A	N/A
A_23_P432352	1,71235	1,70375	1,005978868	ENST00000371894	203413	NM_001017978	CT83
A_21_P0005430	1,53297	1,52438	1,005971895	N/A	N/A	N/A	Inc-MEST-1
A_22_P00000628	1,70234	1,69376	1,005964923	ENST00000454477	101927362	XR_245051	LOC101927362
A_22_P00008561	1,51345	1,50487	1,005964923	ENST00000515643	3782	NM_001204087	KCNN3
A_33_P3374970	1,66103	1,65245	1,005964923	ENST00000605881	399939	NM_001206627	TRIM49D1

A_24_P68819	8,56191	8,55334	1,00595795	ENST00000431614	129285	NM_152994	PPP1R21
A_33_P3222391	1,61334	1,60478	1,005950977	ENST00000398326	11259	NM_182909	FILIP1L
A_21_P0009546	1,45984	1,45128	1,005950977	N/A	N/A	N/A	Inc-CELF4-2
A_23_P146946	3,74237	3,73382	1,005944004	ENST00000312134	1474	NM_001323	CST6
A_21_P0011297	7,17733	7,16879	1,005937032	N/A	N/A	N/A	XLOC_I2_004594
A_22_P00012579	1,53815	1,52961	1,005937032	N/A	100506175	NR_111906	LOC100506175
A_22_P00000815	1,51227	1,50373	1,005937032	ENST00000454128	N/A	N/A	N/A
A_33_P3279861	1,46538	1,45684	1,005937032	N/A	N/A	AF194718	N/A
A_33_P3345653	1,48218	1,47365	1,005930059	ENST00000588838	148231	NR_024335	LINC00905
A_22_P00024535	1,46303	1,4545	1,005930059	ENST00000581798	N/A	N/A	N/A
A_22_P00010075	1,52925	1,52074	1,005916114	N/A	N/A	N/A	Inc-MPHOSPH8-1
A_22_P00000961	1,72311	1,7146	1,005916114	ENST00000314040	N/A	AK091913	N/A
A_33_P3346526	1,67333	1,66482	1,005916114	N/A	N/A	N/A	N/A
A_22_P00009369	1,55133	1,54282	1,005916114	N/A	790952	NR_027122	ESRG
A_33_P3259443	1,51979	1,51129	1,005909142	N/A	441728	XR_109175	LOC441728
A_22_P00021590	1,55057	1,54209	1,005895197	N/A	N/A	BC035412	Inc-TBC1D8-1
A_22_P00011737	1,50426	1,49579	1,005888224	ENST00000523724	N/A	DB045418	N/A
A_22_P00016221	1,54106	1,53261	1,00587428	N/A	N/A	N/A	Inc-TM6SF1-1
A_33_P3869455	6,33776	6,32932	1,005867308	N/A	724066	DQ641254	ATXN8
A_19_P00321953	1,50766	1,49925	1,005846392	ENST00000422294	388948	NR_034099	LINC01118
A_21_P0014936	1,48688	1,47847	1,005846392	N/A	N/A	N/A	N/A
A_22_P00025652	5,6371	5,62871	1,005832448	N/A	100288846	NR_038935	LOC100288846
A_22_P00023805	1,48027	1,47189	1,005825476	ENST00000557953	N/A	N/A	N/A
A_22_P00011175	1,45183	1,44346	1,005818504	ENST00000526851	N/A	BX106901	N/A
A_22_P00020348	1,63891	1,63054	1,005818504	N/A	N/A	BX088949	Inc-BOD1-4
A_21_P0011164	1,66687	1,65851	1,005811532	N/A	N/A	N/A	XLOC_I2_003868
A_21_P0005080	1,40587	1,39752	1,005804561	N/A	401282	N/A	DKFZp451B082
A_22_P00000306	1,41092	1,40257	1,005804561	ENST00000435237	N/A	N/A	N/A
A_24_P634768	1,60909	1,60074	1,005804561	ENST00000612064	401081	NR_033977	FLJ22763
A_22_P00000145	1,52764	1,5193	1,005797589	ENST00000558025	100506686	NR_040051	IQCH-AS1
A_22_P00010529	1,48642	1,47808	1,005797589	ENST00000562653	N/A	BC035211	N/A
A_22_P00007277	1,65979	1,65145	1,005797589	ENST00000563184	N/A	AF339811	N/A
A_21_P0012808	1,36972	1,3614	1,005783646	ENST00000508106	N/A	N/A	N/A

A_22_P00021488	1,6608	1,65249	1,005776674	N/A	N/A	N/A	Inc-ASB3-2
A_33_P3315600	13,0356	13,0273	1,005769703	ENST00000623799	7528	NM_003403	YY1
A_22_P00002327	2,65764	2,64934	1,005769703	N/A	N/A	AA642078	Inc-C11orf71-2
A_32_P109704	10,7969	10,7886	1,005769703	ENST00000535236	6433	NM_004592	SFSWAP
A_33_P3350967	2,50952	2,50123	1,005762731	N/A	728342	N/A	LINC00992
A_21_P0010450	3,34712	3,33883	1,005762731	N/A	N/A	N/A	Inc-SMC1B-4
A_21_P0014156	1,66145	1,65318	1,005748788	N/A	N/A	N/A	N/A
A_21_P0005042	1,68936	1,68109	1,005748788	N/A	N/A	N/A	Inc-EPHA7-4
A_33_P3281995	1,70242	1,69415	1,005748788	N/A	100507236	XR_247149	LOC100507236
A_33_P3249305	3,56997	3,56171	1,005741817	ENST00000496527	8646	NM_003741	CHRD
A_33_P3274930	1,6828	1,67454	1,005741817	N/A	N/A	N/A	N/A
A_33_P3418421	1,47073	1,46248	1,005734846	ENST00000409229	6519	DQ023516	SLC3A1
A_33_P3412061	1,52869	1,52044	1,005734846	N/A	N/A	N/A	N/A
A_22_P00008769	1,53092	1,52268	1,005727875	N/A	N/A	N/A	Inc-KIF16B-4
A_21_P0013381	1,41415	1,40593	1,005713932	ENST00000424036	N/A	N/A	N/A
A_33_P3250974	1,48986	1,48164	1,005713932	ENST00000498560	N/A	N/A	N/A
A_22_P00004625	1,61729	1,60907	1,005713932	ENST00000564051	N/A	AL137625	N/A
A_33_P3408837	5,86	5,85179	1,005706961	N/A	101927479	XR_241209	LOC101927479
A_22_P00007405	1,49573	1,48752	1,005706961	ENST00000422448	N/A	N/A	N/A
A_23_P14193	10,0089	10,0007	1,00569999	ENST00000380071	5983	NM_002915	RFC3
A_22_P00008873	1,4669	1,4587	1,00569999	N/A	727915	NR_046012	AGBL1-AS1
A_33_P3247392	8,42532	8,41712	1,00569999	ENST00000381646	7179	NM_199261	TPTE
A_22_P00002585	1,50536	1,49717	1,005693019	ENST00000581971	N/A	N/A	N/A
A_22_P00020480	1,55285	1,54466	1,005693019	ENST00000553346	N/A	N/A	N/A
A_22_P00015167	1,65923	1,65104	1,005693019	ENST00000450054	N/A	N/A	N/A
A_33_P3345678	1,68709	1,6789	1,005693019	ENST00000414817	N/A	N/A	N/A
A_32_P223059	1,53249	1,5243	1,005693019	ENST00000481265	50651	NM_001080397	SLC45A1
A_21_P0006172	1,69227	1,6841	1,005679078	N/A	N/A	N/A	Inc-C9orf170-1
A_23_P114862	1,509	1,50085	1,005665136	ENST00000376819	10218	NM_021146	ANGPTL7
A_24_P230540	1,61096	1,60282	1,005658165	ENST00000454487	285498	NM_194439	RNF212
A_21_P0004143	1,42529	1,41716	1,005651195	ENST00000507890	102503429	N/A	LINC01335
A_21_P0013837	1,61508	1,60697	1,005637253	N/A	N/A	N/A	Inc-CLIC2-1
A_21_P0002453	1,49106	1,48295	1,005637253	N/A	N/A	N/A	Inc-RAB1A-3



A_23_P33809	12,638	12,6299	1,005630283	ENST00000403490	55272	NM_018285	IMP3
A_23_P149189	1,53431	1,52621	1,005630283	ENST00000366570	57829	NM_021186	ZP4
A_21_P0014160	1,66479	1,65671	1,005616342	N/A	102725454	XR_426051	LOC102725454
A_23_P55504	1,66272	1,65465	1,005609372	ENST00000408891	4995	NM_002551	OR3A2
A_23_P323761	1,64214	1,63407	1,005609372	ENST00000460314	80342	NM_025228	TRAF3IP3
A_23_P93295	1,53268	1,52462	1,005602401	ENST00000377140	26529	NM_013936	OR12D2
A_21_P0003385	1,51476	1,50671	1,005595431	ENST00000515649	N/A	N/A	N/A
A_21_P0005085	1,47145	1,46341	1,005588461	N/A	N/A	N/A	Inc-SDIM1-1
A_21_P0003993	1,53364	1,5256	1,005588461	ENST00000508437	N/A	N/A	N/A
A_33_P3311493	1,47701	1,46897	1,005588461	N/A	283392	NR_026836	TRHDE-AS1
A_33_P3249736	1,63653	1,6285	1,005581491	ENST00000570077	N/A	AK096042	N/A
A_33_P3233754	1,50931	1,50128	1,005581491	ENST00000512439	7710	NM_001085384	ZNF154
A_23_P251647	6,79078	6,78275	1,005581491	ENST00000511684	317671	NM_173362	RFESD
A_22_P00006083	1,52221	1,51419	1,005574521	ENST00000399711	100996279	NR_103715	LINC00269
A_22_P00011326	1,46448	1,45646	1,005574521	N/A	N/A	N/A	Inc-OST4-2
A_33_P3331391	1,47493	1,46692	1,00556755	N/A	N/A	N/A	N/A
A_33_P3348509	4,37454	4,36653	1,00556755	N/A	N/A	N/A	N/A
A_33_P3220167	1,66247	1,65447	1,00556058	N/A	101929637	AK127362	C11orf39
A_33_P3219475	6,76586	6,75786	1,00556058	ENST00000374879	100526694	NM_001198812	MSANTD3-TMEFF1
A_23_P118749	11,92	11,912	1,00556058	ENST00000573547	51009	NM_016041	DERL2
A_33_P3313070	1,63883	1,63085	1,00554664	N/A	N/A	N/A	N/A
A_22_P00007349	4,37175	4,36377	1,00554664	N/A	N/A	AF085999	Inc-GPT2-4
A_22_P00006544	1,72259	1,71463	1,005532701	N/A	N/A	N/A	Inc-FITM2-1
A_22_P00008650	1,71643	1,70848	1,005525731	ENST00000620337	338005	NR_027457	LINC00221
A_23_P116473	1,71927	1,71132	1,005525731	N/A	N/A	AF116611	N/A
A_21_P0000916	1,48644	1,4785	1,005518761	ENST00000438885	101928995	NR_125969	LOC101928995
A_33_P3340199	1,45204	1,4441	1,005518761	ENST00000506386	N/A	N/A	N/A
A_21_P0005133	1,46608	1,45815	1,005511791	ENST00000447481	100507254	N/A	LINC01013
A_23_P110462	1,55358	1,54565	1,005511791	ENST00000306549	29930	NM_013340	PCDHB1
A_22_P00009927	1,67041	1,66249	1,005504822	ENST00000585185	N/A	XR_424917	N/A
A_21_P0002371	1,60311	1,59519	1,005504822	N/A	N/A	N/A	Inc-SH3BP4-3
A_21_P0005089	1,50413	1,49622	1,005497852	N/A	N/A	N/A	Inc-THBS2-8
A_33_P3257590	1,47496	1,46705	1,005497852	N/A	N/A	AK172763	N/A

A_21_P0013266	7,38554	7,37763	1,005497852	ENST00000605862	101928451	XR_242346	LOC101928451
A_22_P00004395	1,55147	1,54356	1,005497852	ENST00000579492	N/A	N/A	N/A
A_23_P118462	13,704	13,6961	1,005490883	ENST00000572684	124641	NM_080822	OVCA2
A_33_P3388491	18,3821	18,3742	1,005490883	ENST00000375153	54896	NM_001040125	PQLC2
A_33_P3811233	1,53019	1,52229	1,005490883	N/A	574538	NR_033859	LOC574538
A_32_P429687	1,55469	1,54679	1,005490883	ENST00000322122	493829	NM_001008274	TRIM72
A_33_P3335042	10,4682	10,4603	1,005490883	ENST00000529261	51144	NM_016142	HSD17B12
A_21_P0000295	10,267	10,2591	1,005490883	ENST00000396527	26781	NR_002912	SNORA67
A_32_P231446	10,6859	10,678	1,005490883	ENST00000369558	204851	NM_198268	HIPK1
A_33_P3405571	1,52945	1,52156	1,005483913	N/A	N/A	N/A	N/A
A_22_P00023992	1,51831	1,51043	1,005476944	N/A	N/A	BC069025	Inc-RP11-27909.4.1-1
A_24_P160070	1,53767	1,52979	1,005476944	ENST00000270112	30811	NM_014586	HUNK
A_22_P00001671	1,39495	1,38707	1,005476944	ENST00000453953	N/A	N/A	N/A
A_21_P0012512	1,47958	1,47174	1,005449066	ENST00000496247	N/A	N/A	N/A
A_33_P3341568	7,64169	7,63385	1,005449066	N/A	N/A	N/A	N/A
A_22_P00013993	1,55705	1,54923	1,005435128	N/A	N/A	N/A	Inc-RUNDC3B-1
A_33_P3312436	1,47618	1,46836	1,005435128	N/A	N/A	N/A	N/A
A_21_P0001997	1,47338	1,46557	1,005428159	ENST00000432314	727982	NR_034134	LINC01249
A_23_P143734	5,77161	5,7638	1,005428159	ENST00000615454	1565	NM_000106	CYP2D6
A_21_P0013086	1,46519	1,45739	1,00542119	N/A	101928307	NR_125872	LOC101928307
A_33_P3378925	10,0603	10,0525	1,00542119	ENST00000310137	10432	NM_006328	RBM14
A_33_P3237379	1,53039	1,5226	1,005414221	ENST00000379472	3746	NM_004976	KCNC1
A_22_P00007074	1,35579	1,348	1,005414221	ENST00000432984	N/A	N/A	N/A
A_23_P76312	1,45229	1,44451	1,005407252	ENST00000261170	2984	NM_004963	GUCY2C
A_32_P404549	1,47053	1,46275	1,005407252	ENST00000442201	339829	NM_181426	CCDC39
A_32_P210031	1,51068	1,5029	1,005407252	ENST00000425320	N/A	XR_246543	N/A
A_23_P207632	1,52515	1,51738	1,005400283	ENST00000397041	489	NM_174953	ATP2A3
A_33_P3286980	1,53002	1,52226	1,005393314	ENST00000530484	401447	NM_001256873	USP17L1
A_22_P00004622	1,59995	1,5922	1,005386345	N/A	N/A	N/A	Inc-CST7-2
A_33_P3368034	1,46403	1,45629	1,005379376	N/A	N/A	N/A	N/A
A_33_P3230166	1,52284	1,51511	1,005372408	ENST00000251127	259232	NM_052867	NALCN
A_21_P0011629	1,46517	1,45744	1,005372408	N/A	100996295	N/A	DNAH17-AS1
A_22_P00007225	1,36548	1,35776	1,005365439	N/A	N/A	CA426844	Inc-GPER-1

A_33_P3261143	1,50031	1,4926	1,00535847	N/A	728773	NR_026904	PABPC1P2
A_24_P319113	1,59045	1,58274	1,00535847	ENST00000539695	5027	NM_002562	P2RX7
A_32_P162004	16,889	16,8813	1,005351502	ENST00000481681	6159	NM_000992	RPL29
A_21_P0009699	1,72062	1,71292	1,005351502	ENST00000587850	N/A	N/A	N/A
A_23_P308483	1,45773	1,45003	1,005351502	ENST00000470101	389840	NM_001001671	MAP3K15
A_21_P0002176	1,50371	1,49602	1,005344533	ENST00000476839	101926966	N/A	LOC101926966
A_33_P3369944	1,46911	1,46142	1,005344533	ENST00000530196	8747	NM_003813	ADAM21
A_21_P0008068	1,49851	1,49084	1,005330596	ENST00000622486	N/A	N/A	N/A
A_22_P00002531	1,71983	1,71217	1,005323628	ENST00000580507	N/A	AK098724	N/A
A_21_P0008048	1,54708	1,53942	1,005323628	N/A	N/A	N/A	Inc-NBEA-3
A_22_P00021909	1,50451	1,49685	1,005323628	N/A	N/A	BX094565	Inc-RP11-124K4.2.1-3
A_23_P61498	3,11432	3,10667	1,005316659	ENST00000332411	51350	NM_015848	KRT76
A_33_P3578399	1,45954	1,45189	1,005316659	N/A	N/A	BG428231	N/A
A_24_P941759	5,61782	5,61017	1,005316659	ENST00000206595	55632	NM_017769	G2E3
A_23_P429425	1,47223	1,46458	1,005316659	ENST00000409087	84620	NM_032528	ST6GAL2
A_22_P00014558	1,47769	1,47005	1,005309691	ENST00000425325	N/A	N/A	N/A
A_21_P0011704	1,37152	1,36389	1,005302723	N/A	N/A	N/A	XLOC_I2_006794
A_23_P151895	2,17392	2,16629	1,005302723	ENST00000261883	8483	NM_003613	CILP
A_21_P0009024	1,53376	1,52614	1,005295755	N/A	N/A	N/A	Inc-LINC00273-4
A_22_P00025088	1,47892	1,47131	1,005288787	ENST00000522598	N/A	N/A	N/A
A_21_P0005561	1,38607	1,37847	1,005281818	N/A	N/A	N/A	Inc-POM121L12-1
A_21_P0013152	1,60178	1,59418	1,005281818	ENST00000430296	N/A	N/A	N/A
A_24_P382253	10,2065	10,1989	1,005281818	ENST00000357384	55197	NM_018170	RPRD1A
A_22_P00006087	1,51637	1,50878	1,00527485	ENST00000507949	N/A	N/A	N/A
A_21_P0003224	1,44551	1,43792	1,00527485	N/A	N/A	N/A	Inc-OXSM-1
A_32_P92281	7,4147	7,40712	1,005267882	ENST00000447643	100132832	NR_028058	PMS2P9
A_21_P0004347	1,47451	1,46693	1,005267882	N/A	N/A	N/A	Inc-CCDC127-2
A_22_P00004816	1,4535	1,44593	1,005260914	ENST00000567273	N/A	CD652837	N/A
A_23_P54612	1,65297	1,64541	1,005253947	ENST00000563093	123872	NM_178452	DNAAF1
A_33_P3285277	1,71111	1,70357	1,005240011	ENST00000498816	783	NM_001167945	CACNB2
A_22_P00001754	1,6754	1,66786	1,005240011	N/A	N/A	N/A	Inc-ATP10A-2
A_22_P00020028	1,47821	1,47068	1,005233043	N/A	N/A	N/A	Inc-HIC1-1
A_23_P30294	1,66625	1,65873	1,005226075	ENST00000250535	1036	NM_001801	CDO1

A_22_P00010692	1,70156	1,69404	1,005226075	ENST00000452002	N/A	N/A	N/A
A_21_P0014123	1,52503	1,51752	1,005219108	N/A	440982	AK054937	LOC440982
A_33_P3382856	1,50941	1,50192	1,005205172	ENST00000456569	1634	NM_133507	DCN
A_21_P0002178	1,45234	1,44486	1,005198205	N/A	N/A	N/A	Inc-VSNL1-1
A_21_P0012763	3,1567	3,14922	1,005198205	ENST00000513681	101928971	N/A	LINC01262
A_21_P0006502	1,47582	1,46834	1,005198205	N/A	N/A	N/A	Inc-ZC3H12B-2
A_22_P00003350	1,68424	1,67676	1,005198205	N/A	101929534	XR_425616	LOC101929534
A_33_P3348919	1,44885	1,44137	1,005198205	ENST00000400085	100132396	NM_001193630	ZNF705B
A_23_P97677	2,43095	2,42348	1,005191237	ENST00000477320	4146	NM_002379	MATN1
A_33_P3218455	1,67965	1,67219	1,00518427	N/A	729047	BC039368	LOC729047
A_21_P0007606	1,39935	1,3919	1,005177303	N/A	N/A	N/A	Inc-C12orf74-1
A_21_P0009237	1,70363	1,69618	1,005177303	ENST00000583224	N/A	N/A	N/A
A_22_P00016767	1,4761	1,46865	1,005177303	ENST00000509718	N/A	N/A	N/A
A_22_P00004733	1,50846	1,50101	1,005177303	N/A	N/A	N/A	Inc-CTNNA1-2
A_21_P0006489	1,56359	1,55615	1,005170335	N/A	N/A	N/A	Inc-MID1IP1-3
A_21_P0002677	1,53689	1,52945	1,005170335	N/A	N/A	N/A	Inc-MKI67IP-1
A_21_P0000442	1,6805	1,67306	1,005170335	N/A	100033444	NR_003299	SNORD115-7
A_22_P00003273	1,65836	1,65093	1,005163368	N/A	100506068	NR_040041	DACT3-AS1
A_21_P0001757	1,52692	1,5195	1,005156401	N/A	N/A	N/A	Inc-BATF3-2
A_21_P0010440	1,51347	1,50605	1,005156401	N/A	N/A	N/A	Inc-MFNG-1
A_22_P00002119	1,67707	1,66966	1,005149434	N/A	N/A	N/A	Inc-BOD1-3
A_21_P0013712	1,47185	1,46444	1,005149434	N/A	N/A	N/A	Inc-PAEP-2
A_22_P00014543	1,51136	1,50397	1,005135499	N/A	N/A	N/A	Inc-SIRPA-1
A_22_P00019270	1,51796	1,51057	1,005135499	ENST00000578740	N/A	N/A	N/A
A_33_P3252534	1,51006	1,50268	1,005128532	ENST00000354915	3050	NM_005332	HBZ
A_22_P00016764	1,55144	1,54406	1,005128532	N/A	N/A	AK097822	Inc-TRIM32-1
A_33_P3220872	1,49436	1,48698	1,005128532	ENST00000455595	1720	NR_033423	LOC1720
A_22_P00001155	1,53244	1,52506	1,005128532	ENST00000468762	N/A	N/A	N/A
A_21_P0007852	1,5497	1,54233	1,005121565	N/A	N/A	N/A	Inc-HNF1A-1
A_21_P0012631	1,48995	1,48258	1,005121565	N/A	N/A	N/A	XLOC_I2_010933
A_21_P0013562	7,3027	7,29535	1,005107631	N/A	100506710	N/A	EBLN3
A_22_P00001275	1,45266	1,44531	1,005107631	N/A	N/A	DB334010	Inc-ANKRD56-3
A_21_P0002008	1,54104	1,5337	1,005100665	ENST00000456681	339788	N/A	LINC00298

A_22_P00010372	1,36257	1,35524	1,005093698	ENST00000548705	101928420	NR_120468	LINC01490
A_21_P0003007	1,47142	1,46409	1,005093698	N/A	102723430	XR_425614	LOC102723430
A_22_P00001876	1,53826	1,53094	1,005086731	ENST00000447056	N/A	N/A	N/A
A_21_P0012805	1,4956	1,48829	1,005079764	ENST00000505848	100505545	NR_038331	LINC01095
A_23_P308722	1,59566	1,58835	1,005079764	ENST00000288710	92749	NM_145038	DRC1
A_21_P0008606	1,47548	1,46817	1,005079764	N/A	N/A	N/A	Inc-AC114546.1-4
A_21_P0003959	1,67409	1,66679	1,005072798	ENST00000506093	N/A	N/A	N/A
A_21_P0004948	1,48107	1,47377	1,005072798	N/A	N/A	N/A	Inc-TNFAIP3-3
A_22_P00006014	1,67891	1,67161	1,005072798	N/A	N/A	CU687043	Inc-FAM101B-1
A_22_P00025579	1,45158	1,44429	1,005065831	ENST00000509602	N/A	N/A	N/A
A_21_P0011242	1,48364	1,47635	1,005065831	N/A	101927483	XR_424499	LOC101927483
A_21_P0010444	4,61567	4,6084	1,005051898	N/A	N/A	N/A	Inc-NFAM1-1
A_23_P414519	1,64562	1,63836	1,005044932	ENST00000495850	51299	NM_016588	NRN1
A_22_P00002086	1,66038	1,65314	1,005030999	ENST00000436530	N/A	N/A	N/A
A_21_P0009487	1,36975	1,36253	1,005017066	ENST00000590797	N/A	N/A	N/A
A_23_P80503	1,36451	1,35729	1,005017066	ENST00000466906	6091	NM_133631	ROBO1
A_23_P355517	1,54611	1,5389	1,0050101	ENST00000394810	79933	NM_024875	SYNPO2L
A_24_P63522	10,7972	10,79	1,005003134	ENST00000325110	3157	NM_002130	HMGCS1
A_23_P70127	12,1545	12,1473	1,005003134	ENST00000513799	54732	NM_017510	TMED9
A_33_P3400302	2,0267	2,01952	1,004989202	ENST00000438677	252950	NR_001550	TTY18
A_22_P00010465	1,49046	1,48328	1,004989202	ENST00000436722	100874161	NR_047015	LINC00411
A_33_P3262038	1,53441	1,52723	1,004989202	ENST00000591780	N/A	AL359580	N/A
A_22_P00025849	1,63636	1,62919	1,004982236	ENST00000573270	N/A	BC043554	N/A
A_21_P0008248	1,69925	1,69208	1,004982236	ENST00000420210	N/A	N/A	N/A
A_22_P00019617	1,70409	1,69693	1,00497527	ENST00000449188	647219	N/A	ASCL5
A_21_P0011481	1,47677	1,46965	1,004947406	N/A	N/A	N/A	XLOC_I2_005489
A_21_P0004393	1,55268	1,54557	1,00494044	N/A	N/A	N/A	Inc-CTC-236F12.4.1-2
A_33_P3298251	4,30537	4,29827	1,004933475	N/A	N/A	N/A	N/A
A_33_P3744376	1,45635	1,44925	1,004933475	N/A	N/A	N/A	N/A
A_33_P3353502	1,53632	1,52922	1,004933475	ENST00000414679	5332	NM_182797	PLCB4
A_22_P00025358	1,67203	1,66494	1,004926509	N/A	N/A	N/A	Inc-SYCP3-2
A_23_P21120	1,54961	1,54253	1,004919543	ENST00000324817	9282	AB006651	MED14
A_33_P3334630	1,66268	1,6556	1,004919543	ENST00000612423	5354	M54927	PLP1

A_33_P3344334	1,49653	1,48945	1,004919543	ENST00000322893	27133	NM_172375	KCNH5
A_21_P0005732	1,55293	1,54586	1,004912578	N/A	N/A	N/A	Inc-CA2-2
A_22_P00006003	4,40237	4,39533	1,004891682	N/A	N/A	N/A	Inc-FAH-1
A_21_P0008906	1,62029	1,61326	1,004884716	ENST00000571619	101927287	N/A	LOC101927287
A_24_P350228	7,80087	7,79384	1,004884716	ENST00000380298	63027	NM_021945	SLC22A23
A_24_P91985	1,35536	1,34835	1,004870786	ENST00000443118	116966	NM_170710	WDR17
A_24_P381962	10,7792	10,7722	1,00486382	ENST00000299980	164	NM_001030007	AP1G1
A_22_P00010397	1,6862	1,67921	1,004856855	ENST00000505158	401177	NR_033975	LOC401177
A_21_P0003633	1,67636	1,66939	1,004842925	N/A	N/A	N/A	Inc-RAP1GDS1-3
A_21_P0014570	1,49666	1,48969	1,004842925	N/A	N/A	BG194190	Inc-SYCP3-2
A_21_P0002954	1,5226	1,51563	1,004842925	N/A	100506319	XR_110051	LOC100506319
A_21_P0007575	1,61927	1,61231	1,00483596	N/A	N/A	N/A	Inc-DYRK2-2
A_23_P128362	1,66289	1,65593	1,00483596	ENST00000550270	4604	NM_206819	MYBPC1
A_24_P236235	1,40934	1,40239	1,004828995	ENST00000330753	23768	NM_013231	FLRT2
A_33_P3339246	1,5574	1,55045	1,004828995	ENST00000607240	431707	NM_001001933	LHX8
A_21_P0009573	1,47028	1,46335	1,004815065	ENST00000584544	400655	NR_034133	LOC400655
A_24_P201367	1,67661	1,66968	1,004815065	ENST00000372066	11155	NM_001171611	LDB3
A_22_P00005628	1,37861	1,37168	1,004815065	ENST00000527135	N/A	DB220327	N/A
A_21_P0001204	1,52161	1,51469	1,0048081	ENST00000432976	N/A	N/A	N/A
A_22_P00003583	1,39692	1,39002	1,004794171	ENST00000508512	N/A	XR_249795	N/A
A_21_P0011149	8,35652	8,34963	1,004787206	N/A	N/A	N/A	XLOC_I2_003758
A_23_P138262	1,35583	1,34894	1,004787206	ENST00000375448	23569	NM_012387	PADI4
A_33_P3232269	1,48403	1,47715	1,004780242	N/A	100131077	AB064670	OK/SW-CL.36
A_33_P3377994	5,83075	5,82388	1,004773277	ENST00000246914	65266	NM_032387	WNK4
A_21_P0003811	1,54588	1,53901	1,004773277	N/A	N/A	N/A	Inc-ENPP6-2
A_33_P3368945	1,48162	1,47475	1,004773277	N/A	389332	NR_024418	LOC389332
A_33_P3341524	3,69384	3,68697	1,004773277	ENST00000616370	N/A	BC004960	N/A
A_23_P125505	1,45385	1,44699	1,004766313	ENST00000349874	5475	NM_006240	PPEF1
A_21_P0011494	5,23716	5,2303	1,004766313	N/A	N/A	N/A	XLOC_I2_005606
A_21_P0007715	6,50234	6,49552	1,004738455	N/A	N/A	N/A	Inc-CTDSP2-4
A_23_P355455	8,40484	8,39803	1,004731491	ENST00000253692	9779	NM_014744	TBC1D5
A_22_P00020313	1,51221	1,5054	1,004731491	N/A	100130880	NM_001243523	LOC100130880
A_33_P3291484	1,51285	1,50604	1,004731491	ENST00000231461	7903	NM_005668	ST8SIA4

A_24_P97145	7,69942	7,69262	1,004724526	ENST00000473731	57498	NM_020738	KIDINS220
A_23_P47904	1,60158	1,59478	1,004724526	ENST00000552188	85478	NM_033124	CCDC65
A_21_P0014446	1,55104	1,54425	1,004717562	ENST00000296575	64399	AK124396	HHIP
A_21_P0006062	2,75736	2,75057	1,004717562	N/A	N/A	N/A	Inc-PPP1R26-1
A_21_P0009604	1,66336	1,65658	1,004710598	N/A	101927879	XR_243871	LOC101927879
A_21_P0013347	1,47324	1,46646	1,004710598	ENST00000456062	N/A	N/A	N/A
A_33_P3356762	1,67778	1,671	1,004710598	ENST00000399044	256223	N/A	CDRT15L2
A_24_P276576	1,45923	1,45245	1,004710598	ENST00000367950	84824	NM_032738	FCRLA
A_22_P00014225	1,47602	1,46925	1,004703634	ENST00000418679	N/A	N/A	N/A
A_22_P00015903	1,36807	1,36131	1,00469667	ENST00000382897	642484	XR_159014	FLJ45743
A_21_P0001382	1,46212	1,45537	1,004689706	N/A	N/A	N/A	Inc-UCK2-3
A_33_P3249768	1,61209	1,60535	1,004682742	ENST00000611977	139189	NM_001013742	DGKK
A_33_P3390411	1,55163	1,54489	1,004682742	ENST00000218099	2158	NM_000133	F9
A_21_P0009449	1,45383	1,44709	1,004682742	N/A	N/A	N/A	Inc-AP001496.1-10
A_33_P3409259	1,54719	1,54048	1,00466185	N/A	N/A	AF190748	N/A
A_23_P218412	11,0966	11,0899	1,004654887	ENST00000572148	9552	NM_004890	SPAG7
A_24_P379727	10,7759	10,7692	1,004654887	ENST00000489052	84269	XM_005263824	CHCHD5
A_33_P3373014	1,50521	1,49853	1,004640959	N/A	N/A	N/A	N/A
A_21_P0011067	1,58553	1,57885	1,004640959	N/A	102723723	N/A	LOC102723723
A_22_P00001811	1,49066	1,48398	1,004640959	ENST00000523035	N/A	N/A	N/A
A_22_P00006500	3,95058	3,94391	1,004633996	N/A	N/A	N/A	Inc-FGF3-4
A_21_P0011237	1,5489	1,54223	1,004633996	ENST00000621052	101927994	NR_108087	LINC01087
A_22_P00015738	2,44037	2,43371	1,004627032	N/A	N/A	N/A	Inc-TACR2-1
A_32_P191441	1,67977	1,67311	1,004627032	ENST00000284694	118611	NM_001004298	C10orf90
A_22_P00005574	1,7064	1,69976	1,004613105	N/A	N/A	N/A	Inc-EFCAB5-2
A_21_P0002747	1,63173	1,62509	1,004613105	ENST00000498247	N/A	N/A	N/A
A_21_P0012257	1,67464	1,668	1,004613105	N/A	N/A	N/A	XLOC_I2_009320
A_23_P212800	1,51738	1,51075	1,004606142	ENST00000503413	2250	NM_004464	FGF5
A_22_P00001067	1,4714	1,46479	1,004592215	N/A	N/A	N/A	Inc-ALDH1A1-5
A_21_P0006875	1,35505	1,34844	1,004592215	N/A	N/A	N/A	Inc-C10orf107-1
A_24_P280328	1,35618	1,34958	1,004585252	ENST00000417334	114760	NR_001524	TTY3
A_19_P00809682	14,1833	14,1767	1,004585252	N/A	N/A	N/A	Inc-FAM105B-1
A_23_P142125	4,94521	4,93863	1,004571325	ENST00000252825	3270	NM_002152	HRC

A_24_P153831	1,46514	1,45857	1,004564362	N/A	29119	NM_001291133	CTNNA3
A_32_P848863	1,68141	1,67484	1,004564362	ENST00000457478	101927554	NR_110228	LINC01250
A_33_P3274006	1,48829	1,48172	1,004564362	N/A	N/A	N/A	N/A
A_21_P0003798	1,80938	1,80282	1,004557399	N/A	N/A	N/A	Inc-HAND2-2
A_22_P00001400	1,44371	1,43716	1,004550436	ENST00000624238	100885775	NR_047671	BANCR
A_21_P0007920	1,53259	1,52604	1,004550436	N/A	N/A	N/A	Inc-RP11-408E5.4.1-5
A_33_P3325097	1,69779	1,69124	1,004550436	ENST00000548594	N/A	N/A	N/A
A_24_P86246	1,36672	1,36017	1,004550436	ENST00000296682	56979	NM_020227	PRDM9
A_22_P00009305	1,67517	1,66863	1,004543473	N/A	N/A	BX117253	Inc-LRRC40-2
A_22_P00021536	1,49186	1,48533	1,00453651	N/A	N/A	N36093	Inc-FAN1-1
A_21_P0011524	1,49391	1,48738	1,00453651	N/A	101060602	N/A	LOC101060602
A_22_P00003951	1,51639	1,50986	1,00453651	N/A	253962	NR_038439	CACNA1G-AS1
A_24_P309802	1,49239	1,48587	1,004529547	ENST00000326783	64184	NM_022360	EDDM3B
A_22_P00017205	1,38397	1,37745	1,004529547	N/A	N/A	N/A	Inc-UCK2-2
A_21_P0006466	1,43196	1,42545	1,004522584	ENST00000455153	101928833	XR_244544	LOC101928833
A_22_P00002916	1,69886	1,69236	1,004515622	ENST00000505775	643401	NR_038848	LINC01021
A_32_P414791	1,53849	1,53199	1,004515622	ENST00000511885	353497	NM_181808	POLN
A_33_P3229357	4,66873	4,66224	1,004508659	ENST00000415836	N/A	N/A	N/A
A_22_P00018900	1,6679	1,66142	1,004501696	N/A	100873932	NR_046590	DPYD-AS1
A_23_P415411	2,02196	2,01548	1,004501696	N/A	8367	NM_003545	HIST1H4E
A_22_P00009892	1,46956	1,46309	1,004494733	N/A	N/A	N/A	Inc-MFSD8-1
A_22_P00019539	1,69682	1,69036	1,004487771	N/A	N/A	N/A	Inc-AC092295.7.1-2
A_22_P00006437	1,52438	1,51792	1,004487771	ENST00000504167	N/A	N/A	N/A
A_33_P3382222	1,67221	1,66575	1,004487771	ENST00000369123	100113403	NR_046407	LINC00577
A_23_P347610	1,45941	1,45297	1,004473846	ENST00000339252	26762	NM_012206	HAVCR1
A_22_P00004459	1,45874	1,4523	1,004473846	ENST00000514339	N/A	N/A	N/A
A_33_P3409467	1,50083	1,49441	1,004459921	ENST00000400723	2642	NM_000160	GCGR
A_21_P0011151	1,46383	1,45741	1,004459921	ENST00000438327	100874175	NR_047028	LINC00446
A_33_P3262704	1,67284	1,66644	1,004445996	N/A	N/A	N/A	N/A
A_24_P100016	6,45867	6,45227	1,004445996	ENST00000335117	90649	NM_052852	ZNF486
A_21_P0009896	1,71937	1,71298	1,004439034	ENST00000448580	N/A	N/A	N/A
A_22_P00019301	1,60022	1,59384	1,004432072	N/A	644248	NR_045481	SNCA-AS1
A_22_P00016020	1,4658	1,45944	1,004418147	ENST00000470532	100506489	XR_108799	LOC100506489



A_22_P00011088	1,54215	1,53579	1,004418147	ENST00000521341	N/A	AK128023	N/A
A_24_P167496	1,67596	1,6696	1,004418147	ENST00000344862	83448	NM_031292	PUS7L
A_22_P00008910	1,64707	1,64073	1,004404223	N/A	N/A	N/A	Inc-KLLN-1
A_21_P0003415	1,67729	1,67095	1,004404223	ENST00000505781	N/A	N/A	N/A
A_33_P3315824	4,34952	4,34318	1,004404223	N/A	N/A	N/A	N/A
A_33_P3354731	1,67869	1,67235	1,004404223	N/A	N/A	N/A	N/A
A_22_P00012158	1,66559	1,65926	1,004397261	N/A	N/A	AK309862	Inc-POMP-1
A_22_P00003572	1,4511	1,44477	1,004397261	ENST00000579327	N/A	N/A	N/A
A_23_P408473	9,77821	9,77189	1,004390299	ENST00000528919	727957	NM_032450	MROH1
A_22_P00009859	1,5077	1,50139	1,004383338	ENST00000566208	N/A	AL117506	N/A
A_22_P00015322	1,59815	1,59184	1,004383338	ENST00000421326	N/A	N/A	N/A
A_23_P211572	1,57112	1,56482	1,004376376	ENST00000396426	55964	NM_145733	set-03
A_24_P653603	13,9488	13,9425	1,004376376	ENST00000431388	284184	NM_001086521	C17orf89
A_22_P00012140	4,00103	3,99474	1,004369414	ENST00000608713	5435	NM_001301130	POLR2F
A_21_P0002585	1,37099	1,3647	1,004369414	N/A	N/A	N/A	Inc-EHD3-1
A_24_P329424	1,50728	1,501	1,004362452	ENST00000292427	1584	NM_000497	CYP11B1
A_33_P3252685	1,69551	1,68923	1,004362452	N/A	N/A	N/A	N/A
A_22_P00012483	1,65778	1,65151	1,004355491	ENST00000532979	N/A	XR_424259	N/A
A_21_P0004207	1,70372	1,69745	1,004355491	N/A	N/A	N/A	Inc-C5orf38-3
A_21_P0012141	1,65957	1,6533	1,004355491	N/A	N/A	N/A	XLOC_I2_008841
A_24_P101812	1,47381	1,46755	1,004348529	ENST00000548943	N/A	N/A	N/A
A_33_P3288125	1,5259	1,51965	1,004341567	ENST00000582581	284395	NR_040029	LOC284395
A_21_P0000644	1,53481	1,52856	1,004341567	ENST00000581011	400655	NR_034133	LOC400655
A_33_P3755781	1,45452	1,44827	1,004341567	ENST00000438226	130951	NM_001281295	M1AP
A_21_P0005688	1,50304	1,49679	1,004341567	N/A	N/A	N/A	Inc-RP11-150O12.5.1-2
A_21_P0005667	1,49419	1,48795	1,004334606	N/A	N/A	N/A	Inc-ATP6V1B2-5
A_33_P3331652	9,10222	9,096	1,004320683	ENST00000558200	51016	XR_245688	EMC9
A_22_P00017281	1,47109	1,46487	1,004320683	N/A	N/A	N/A	Inc-USO1-1
A_22_P00019527	1,45667	1,45046	1,004313721	ENST00000380990	400932	NR_033377	LINC00898
A_33_P3408782	1,71542	1,70922	1,00430676	ENST00000506349	285220	NM_001080448	EPHA6
A_33_P3357303	1,50622	1,50002	1,00430676	ENST00000344514	390148	NM_001001960	OR5W2
A_21_P0008467	1,48542	1,47923	1,004299799	N/A	N/A	N/A	Inc-SEL1L-3
A_33_P3415748	1,47234	1,46616	1,004292838	N/A	100129072	AK123881	LOC100129072

A_21_P0006161	1,63378	1,62761	1,004285876	N/A	N/A	N/A	Inc-RMI1-3
A_23_P63371	1,67934	1,67318	1,004278915	ENST00000294339	6886	NM_003189	TAL1
A_23_P9340	3,24318	3,23703	1,004271954	ENST00000263610	56751	NM_020064	BARHL1
A_22_P00020790	1,49267	1,48652	1,004271954	ENST00000514966	N/A	N/A	N/A
A_22_P00013561	1,46984	1,4637	1,004264993	N/A	N/A	N/A	Inc-RP11-43D2.2.1-5
A_21_P0013165	1,70783	1,70171	1,004251071	ENST00000335388	80350	N/A	LPAL2
A_33_P3270147	4,01798	4,01186	1,004251071	N/A	N/A	N/A	XLOC_I2_001687
A_24_P382401	5,82149	5,81537	1,004251071	ENST00000343325	163049	NM_153358	ZNF791
A_22_P00002905	1,65847	1,65237	1,004237149	ENST00000513718	N/A	N/A	N/A
A_33_P3399840	12,6701	12,664	1,004237149	ENST00000490193	10713	NM_006590	USP39
A_33_P3251860	1,47561	1,46952	1,004230188	N/A	N/A	AF130091	N/A
A_21_P0008614	1,69883	1,69275	1,004223228	N/A	N/A	N/A	Inc-TMCO5A-1
A_21_P0003355	1,67687	1,6708	1,004216267	ENST00000515422	N/A	N/A	N/A
A_22_P00002777	1,51087	1,50481	1,004209306	N/A	N/A	N/A	Inc-C22orf34-2
A_21_P0003469	1,56922	1,56316	1,004209306	ENST00000512911	N/A	N/A	N/A
A_21_P0008771	1,65652	1,65046	1,004209306	N/A	N/A	N/A	Inc-KLHL25-8
A_22_P00013765	1,79659	1,79054	1,004202346	ENST00000435044	N/A	N/A	N/A
A_22_P00016793	1,68011	1,67407	1,004195385	ENST00000513771	102577426	N/A	LOC102577426
A_22_P00002290	1,4522	1,44616	1,004195385	N/A	N/A	N/A	Inc-C10orf71-2
A_21_P0004285	1,49076	1,48476	1,004167543	N/A	N/A	N/A	Inc-AP3S1-3
A_22_P00010204	1,53901	1,53301	1,004167543	ENST00000517848	N/A	BX110060	N/A
A_21_P0008020	1,49656	1,49056	1,004167543	ENST00000418660	N/A	N/A	N/A
A_24_P237511	1,59089	1,5849	1,004160583	ENST00000361365	9086	NM_004681	EIF1AY
A_21_P0007346	1,36981	1,36382	1,004160583	N/A	N/A	N/A	Inc-ALX4-2
A_33_P3234222	6,60227	6,59629	1,004153623	ENST00000373161	222642	NM_001010873	TSPO2
A_21_P0008904	1,58281	1,57683	1,004153623	N/A	N/A	N/A	Inc-C16orf72-4
A_21_P0009328	1,52044	1,51446	1,004153623	N/A	N/A	N/A	Inc-PRR15L-1
A_21_P0012572	1,54053	1,53455	1,004153623	N/A	N/A	N/A	XLOC_I2_010573
A_33_P3355724	1,46123	1,45526	1,004146662	ENST00000475047	89766	AB096972	UMODL1
A_23_P335981	1,67496	1,669	1,004139702	ENST00000243103	3228	NM_173860	HOXC12
A_22_P00020036	6,84499	6,83906	1,004118822	N/A	N/A	BG202057	Inc-AP4S1-1
A_24_P942132	1,68122	1,67531	1,004104902	ENST00000347691	122553	NM_001079537	TRAPPC6B
A_23_P205697	13,4929	13,487	1,004097942	ENST00000334220	1743	NM_001933	DLST

A_23_P348298	11,4774	11,4715	1,004097942	ENST00000531072	29901	NM_013299	SAC3D1
A_21_P0007998	1,42215	1,41626	1,004090982	ENST00000423739	N/A	N/A	N/A
A_33_P3339138	1,52048	1,51459	1,004090982	ENST00000322329	388394	NM_203400	RPRML
A_22_P00023676	1,48745	1,48156	1,004090982	N/A	100507283	NR_103862	LOC100507283
A_33_P3323599	1,69707	1,69119	1,004084022	N/A	223075	XM_005249661	CCDC129
A_21_P0001494	1,36493	1,35908	1,004063143	N/A	N/A	N/A	Inc-SLFNL1-1
A_21_P0007680	1,45259	1,44675	1,004056184	N/A	N/A	N/A	Inc-PARP11-2
A_33_P3229760	1,48325	1,47741	1,004056184	N/A	N/A	N/A	N/A
A_22_P00001543	1,61804	1,61221	1,004049224	ENST00000508961	54848	N/A	ARHGEF38
A_21_P0008207	1,6806	1,67477	1,004049224	N/A	N/A	N/A	Inc-SLC10A2-1
A_21_P0009503	1,70369	1,69786	1,004049224	N/A	N/A	N/A	Inc-RP11-17M16.1.1-6
A_22_P00004822	1,46008	1,45427	1,004035305	N/A	N/A	BM745483	Inc-CXorf56-2
A_21_P0012068	1,36929	1,36348	1,004035305	ENST00000453476	N/A	N/A	N/A
A_22_P00002537	1,48929	1,48349	1,004028346	N/A	N/A	N/A	Inc-C17orf58-4
A_24_P398898	14,7465	14,7407	1,004028346	ENST00000561171	10933	NM_206839	MORF4L1
A_21_P0003015	1,61557	1,60977	1,004028346	N/A	N/A	N/A	Inc-C3orf30-2
A_22_P00000529	1,64898	1,64318	1,004028346	N/A	N/A	N/A	Inc-AC110373.1-6
A_33_P3234635	1,69683	1,69105	1,004014427	ENST00000409678	147111	NM_178493	NOTUM
A_24_P168925	1,64264	1,63687	1,004007468	ENST00000372045	91851	NM_001143981	CHRD1
A_33_P3357999	1,79059	1,78482	1,004007468	ENST00000295569	151647	NM_182522	FAM19A4
A_33_P3424491	1,65644	1,65068	1,004000509	ENST00000396952	143503	NM_152430	OR51E1
A_22_P00021274	1,38161	1,37587	1,00398659	N/A	N/A	DA358716	Inc-PDPN-1
A_33_P3249449	1,38138	1,37564	1,00398659	ENST00000621481	343068	NM_001013407	PRAMEF5
A_22_P00017118	1,39917	1,39344	1,003979631	N/A	100874096	NR_046663	DOCK9-AS1
A_21_P0005991	1,59232	1,5866	1,003972672	ENST00000432783	N/A	N/A	N/A
A_22_P00025789	1,52148	1,51576	1,003972672	N/A	N/A	N/A	Inc-TTC14-3
A_22_P00009858	1,46359	1,45787	1,003972672	ENST00000564185	N/A	CR748233	N/A
A_33_P3358511	1,52163	1,51592	1,003965713	ENST00000369963	3617	CR749572	IMPG1
A_22_P00007449	1,67787	1,67217	1,003958754	N/A	100873939	NR_046622	LN1-AS1
A_22_P00006980	1,48013	1,47443	1,003958754	ENST00000565841	N/A	N/A	N/A
A_33_P3224100	1,45099	1,44529	1,003958754	ENST00000493930	170063	NM_152632	CXorf22
A_33_P3337554	1,4919	1,48621	1,003951795	N/A	340273	NM_001163993	ABCB5
A_33_P3330463	1,35791	1,35222	1,003951795	ENST00000311787	170370	NM_001164484	FAM170B

A_22_P00003748	1,64875	1,64306	1,003951795	ENST00000578545	N/A	N/A	N/A
A_22_P00014240	1,64017	1,63448	1,003951795	ENST00000557770	N/A	N/A	N/A
A_22_P00008153	6,11194	6,10625	1,003951795	N/A	N/A	BX109589	Inc-ILK-1
A_21_P0008694	1,45271	1,44703	1,003944836	N/A	N/A	N/A	Inc-LRRC28-1
A_19_P00804212	9,52215	9,51649	1,003930919	ENST00000413128	27247	NM_015700	NFU1
A_21_P0009453	1,45187	1,44621	1,003930919	N/A	N/A	N/A	Inc-RAB31-1
A_21_P0000998	1,68191	1,67626	1,00392396	ENST00000414923	N/A	N/A	N/A
A_21_P0006630	1,69348	1,68783	1,00392396	ENST00000435539	N/A	N/A	N/A
A_22_P00013111	1,52195	1,51631	1,003917002	ENST00000505796	N/A	N/A	N/A
A_33_P3422025	1,66314	1,65751	1,003910043	ENST00000389536	201625	NM_001291661	DNAH12
A_23_P19556	1,6642	1,65857	1,003910043	ENST00000302103	10690	NM_006581	FUT9
A_21_P0000791	1,60697	1,60137	1,003889167	N/A	90499	NR_038409	FAM95A
A_22_P00016848	1,47635	1,47075	1,003889167	ENST00000514282	N/A	N/A	N/A
A_33_P3355508	1,53255	1,52696	1,003882209	ENST00000330315	668	NM_023067	FOXL2
A_22_P00017958	1,52986	1,52428	1,003875251	N/A	101927465	NR_046525	CLYBL-AS1
A_33_P3233978	5,67497	5,66939	1,003875251	ENST00000379999	84893	NM_032807	FBXO18
A_33_P3278654	1,65899	1,65343	1,003861334	ENST00000550636	283332	NR_026948	LOC283332
A_33_P3394995	1,46941	1,46385	1,003861334	ENST00000517617	80243	NM_025170	PREX2
A_19_P00322797	7,95329	7,94773	1,003861334	ENST00000568056	6397	NM_001204408	SEC14L1
A_33_P3213337	1,70104	1,69549	1,003854376	ENST00000318792	400359	NM_207444	C15orf53
A_23_P125977	1,69689	1,69134	1,003854376	ENST00000374637	714	NM_172369	C1QC
A_33_P3276019	1,6797	1,67415	1,003854376	ENST00000537457	728597	NM_001287444	DCDC2C
A_21_P0002741	5,50217	5,49662	1,003854376	N/A	N/A	N/A	Inc-PPM1M-2
A_21_P0003837	1,39224	1,3867	1,003847418	N/A	N/A	N/A	Inc-LPHN3-2
A_22_P00019242	1,68221	1,67668	1,00384046	ENST00000523307	N/A	N/A	N/A
A_24_P296457	7,7373	7,73177	1,00384046	ENST00000563607	5261	NM_000294	PHKG2
A_21_P0011112	1,69386	1,68834	1,003833502	ENST00000514503	101928102	N/A	LOC101928102
A_21_P0012977	1,49164	1,48613	1,003826544	ENST00000515123	N/A	N/A	N/A
A_32_P58872	1,48902	1,48351	1,003826544	ENST00000447459	146395	NM_001109763	GSG1L
A_23_P47800	12,9329	12,9274	1,003819586	ENST00000535844	56616	NM_019887	DIABLO
A_21_P0009524	1,65574	1,65028	1,003791754	ENST00000582531	N/A	N/A	N/A
A_33_P3237210	1,52237	1,51691	1,003791754	N/A	113829	AF445025	SLC35A4
A_21_P0012030	1,47065	1,46519	1,003791754	ENST00000608432	401014	XM_005263847	TEX41

A_22_P00002897	3,11978	3,11432	1,003791754	ENST00000505269	100506013	N/A	APELA
A_22_P00002319	1,51426	1,50881	1,003784796	N/A	N/A	N/A	Inc-C11orf46-1
A_22_P00012019	1,68188	1,67643	1,003784796	ENST00000557965	N/A	N/A	N/A
A_33_P3269626	1,6609	1,65547	1,003770881	ENST00000569833	N/A	AK123270	N/A
A_23_P305092	1,37249	1,36707	1,003763924	ENST00000533709	56253	NM_019604	CRTAM
A_21_P0010239	2,40045	2,39504	1,003756966	ENST00000422473	N/A	N/A	N/A
A_21_P0013009	1,48109	1,47568	1,003756966	ENST00000427049	100507506	N/A	LOC100507506
A_33_P3381147	1,52243	1,51702	1,003756966	ENST00000399685	387266	NM_001012708	KRTAP5-3
A_23_P152651	11,8489	11,8435	1,003750009	ENST00000584010	11325	NM_007372	DDX42
A_33_P3285456	4,41822	4,41283	1,003743051	ENST00000368775	100129271	NM_001024679	C1orf68
A_24_P925737	1,67136	1,66597	1,003743051	ENST00000367932	400793	NM_001135240	C1orf226
A_33_P3354111	1,55039	1,545	1,003743051	ENST00000299338	196951	NM_152647	FAM227B
A_22_P00004952	1,4709	1,46552	1,003736094	ENST00000579506	102724651	NR_110798	LOC102724651
A_23_P363878	1,53652	1,53114	1,003736094	ENST00000295049	130132	NM_144629	RFTN2
A_33_P3244007	1,6558	1,65043	1,003729136	ENST00000377119	10529	N/A	NEBL
A_33_P3421571	9,93263	9,92726	1,003729136	ENST00000374493	65059	NM_213589	RAPH1
A_33_P3273474	1,60339	1,59803	1,003722179	N/A	911	NM_001765	CD1C
A_23_P27346	1,6714	1,66604	1,003722179	ENST00000586253	4089	NM_005359	SMAD4
A_33_P3525062	1,5086	1,50324	1,003722179	ENST00000515337	285626	NR_037889	LOC285626
A_22_P00013361	1,45287	1,44751	1,003722179	ENST00000551656	N/A	N/A	N/A
A_21_P0003799	1,45068	1,44533	1,003715222	N/A	N/A	N/A	Inc-GPM6A-4
A_22_P00022347	1,60508	1,59976	1,00369435	N/A	100129250	NR_102376	TOPORS-AS1
A_22_P00005987	1,35797	1,35266	1,003687393	ENST00000413541	N/A	N/A	N/A
A_33_P3306024	10,5232	10,5179	1,003680436	N/A	400709	NR_002825	SIGLEC16
A_23_P203439	1,59927	1,59397	1,003680436	ENST00000265969	3746	NM_004976	KCNC1
A_21_P0007857	1,54165	1,53637	1,003666522	ENST00000539391	N/A	N/A	N/A
A_33_P3335398	1,65181	1,64654	1,003659566	ENST00000374792	9625	NM_001080395	AATK
A_22_P00003842	4,58557	4,5803	1,003659566	N/A	100129083	NM_001256795	LOC100129083
A_22_P00000842	1,38586	1,3806	1,003652609	N/A	N/A	N/A	Inc-AGBL4-2
A_21_P0009783	1,50215	1,49689	1,003652609	N/A	N/A	N/A	Inc-ZNF486-1
A_22_P00003819	1,45173	1,44647	1,003652609	ENST00000581533	N/A	N/A	N/A
A_23_P362759	1,66244	1,65719	1,003645652	ENST00000428209	11107	NM_018699	PRDM5
A_23_P378427	1,50246	1,49721	1,003645652	ENST00000307844	147323	NM_139171	STARD6

A_23_P89132	1,50097	1,49573	1,003638695	ENST00000574002	7783	NM_003460	ZP2
A_21_P0012811	1,68077	1,67555	1,003624782	ENST00000513660	N/A	N/A	N/A
A_33_P3331351	1,56329	1,55808	1,003617825	ENST00000503032	N/A	N/A	N/A
A_23_P170352	12,2911	12,2859	1,003610869	ENST00000333676	6182	NM_002949	MRPL12
A_33_P3350074	11,2906	11,2854	1,003610869	ENST00000375261	60386	NM_001126121	SLC25A19
A_21_P0005594	10,4163	10,4111	1,003610869	N/A	N/A	N/A	Inc-GNA12-1
A_24_P255473	12,4576	12,4524	1,003610869	ENST00000399149	N/A	N/A	N/A
A_21_P0004337	4,52106	4,51587	1,003603912	N/A	N/A	N/A	Inc-BNIP1-1
A_21_P0004302	1,71942	1,71423	1,003603912	ENST00000513418	4090	N/A	SMAD5
A_24_P24002	3,38616	3,381	1,003583043	ENST00000477971	N/A	N/A	N/A
A_22_P00012727	3,36367	3,35851	1,003583043	ENST00000570919	N/A	N/A	N/A
A_22_P00007085	1,69658	1,69144	1,003569131	N/A	N/A	N/A	Inc-GLIS2-2
A_33_P3390843	1,45059	1,44546	1,003562175	N/A	100130386	NR_028064	LINC00552
A_21_P0011444	1,61913	1,61402	1,003548262	N/A	N/A	N/A	XLOC_I2_005276
A_23_P9823	12,1811	12,176	1,003541306	ENST00000538698	22877	NM_014938	MLXIP
A_19_P00320119	11,3879	11,3828	1,003541306	N/A	55000	NR_110492	TUG1
A_32_P171328	13,6983	13,6932	1,003541306	ENST00000264552	27338	NM_014501	UBE2S
A_22_P00013252	1,69406	1,68896	1,003541306	N/A	100874204	NR_046602	ALDH1L1-AS1
A_21_P0011944	1,45432	1,44923	1,00353435	N/A	N/A	N/A	XLOC_I2_008190
A_21_P0005988	1,66006	1,65498	1,003527394	N/A	101929582	NR_121604	LINC01241
A_23_P47292	1,46462	1,45954	1,003527394	ENST00000542305	9313	NM_004771	MMP20
A_22_P00011044	1,68074	1,67566	1,003527394	N/A	N/A	N/A	Inc-NTN1-3
A_21_P0013692	1,52124	1,51617	1,003520438	ENST00000448570	N/A	N/A	N/A
A_22_P00003483	1,65545	1,65039	1,003513483	N/A	N/A	N/A	Inc-CCDC82-1
A_22_P00025945	1,69721	1,69215	1,003513483	N/A	N/A	N/A	Inc-TMPRSS15-10
A_22_P00024759	1,96175	1,9567	1,003506527	N/A	N/A	DR033720	Inc-C19orf12-3
A_22_P00024124	1,54217	1,53713	1,003499571	ENST00000427011	N/A	N/A	N/A
A_23_P56494	1,49335	1,48831	1,003499571	ENST00000483641	151258	NM_173512	SLC38A11
A_23_P403443	1,53542	1,53039	1,003492615	ENST00000535402	283358	NM_173593	B4GALNT3
A_33_P3272070	1,64683	1,6418	1,003492615	ENST00000335238	283093	NM_001005270	OR4C12
A_21_P0013778	1,45139	1,44636	1,003492615	N/A	100131755	NM_001256155	ARMCX4
A_23_P216756	1,70804	1,70302	1,00348566	ENST00000291744	2220	NM_004108	FCN2
A_33_P3413468	1,69841	1,6934	1,003478704	ENST00000451436	60401	NM_001242310	EDA2R

A_32_P194062	1,50006	1,49505	1,003478704	ENST00000263321	7299	NM_000372	TYR
A_22_P00014951	1,47157	1,46657	1,003471749	ENST00000465933	101929159	XR_249369	LOC101929159
A_22_P00008478	2,26923	2,26423	1,003471749	ENST00000540533	N/A	N/A	N/A
A_21_P0009317	1,62505	1,62005	1,003471749	ENST00000620903	284100	NR_024178	YWHAEP7
A_21_P0005158	1,67846	1,67346	1,003471749	N/A	N/A	N/A	Inc-MBOAT1-3
A_23_P438	1,66923	1,66425	1,003457838	ENST00000442561	54900	NM_017773	LAX1
A_21_P0009267	7,83533	7,83035	1,003457838	ENST00000585484	101928104	N/A	LINC01482
A_22_P00021112	1,45528	1,4503	1,003457838	N/A	N/A	N/A	Inc-LARS-1
A_22_P00023293	1,67951	1,67455	1,003443927	N/A	102723377	NR_120672	LOC102723377
A_21_P0000745	1,4385	1,43354	1,003443927	N/A	100506866	NR_038271	TTN-AS1
A_22_P00007634	1,38372	1,37877	1,003436971	N/A	N/A	N/A	Inc-HERC1-1
A_22_P00016986	1,51683	1,51188	1,003436971	N/A	N/A	N/A	Inc-TTC23-2
A_33_P3268695	7,10876	7,10382	1,003430016	ENST00000535216	84858	NM_032772	ZNF503
A_23_P135007	1,5555	1,55057	1,003423061	ENST00000625188	56656	NM_019897	OR2S2
A_21_P0003514	1,77775	1,77283	1,003416106	ENST00000510922	N/A	N/A	N/A
A_23_P213336	1,68247	1,67755	1,003416106	ENST00000441680	2246	NM_000800	FGF1
A_22_P00018532	1,35646	1,35155	1,003409151	N/A	N/A	AA416704	Inc-KCNG4-2
A_23_P150590	1,55362	1,54872	1,003402196	ENST00000279178	114571	NM_080866	SLC22A9
A_33_P3245818	1,53579	1,53089	1,003402196	ENST00000466449	80148	AK126188	PQLC1
A_33_P3379056	1,65665	1,65176	1,003395241	N/A	N/A	N/A	N/A
A_21_P0011038	1,50626	1,50137	1,003395241	ENST00000540188	101928162	NR_120463	LOC101928162
A_22_P00016607	1,45961	1,45473	1,003388286	N/A	N/A	N/A	Inc-TOB1-1
A_33_P3405249	1,6778	1,67292	1,003388286	ENST00000446429	N/A	N/A	N/A
A_22_P00023013	1,37064	1,36577	1,003381331	ENST00000591158	N/A	N/A	N/A
A_32_P142818	6,23092	6,22606	1,003374376	ENST00000361725	1745	NM_178120	DLX1
A_21_P0007836	1,6148	1,60994	1,003374376	N/A	N/A	N/A	Inc-FAM113B-4
A_22_P00007378	1,6761	1,67124	1,003374376	N/A	104054148	NR_126152	LOC104054148
A_19_P00321342	6,28241	6,27755	1,003374376	ENST00000478913	203238	AL832443	CCDC171
A_33_P3406961	5,63657	5,63172	1,003367421	N/A	N/A	N/A	XLOC_I2_013467
A_22_P00001311	1,69858	1,69373	1,003367421	N/A	N/A	N/A	Inc-ANP32A-2
A_22_P00004429	1,51312	1,50827	1,003367421	N/A	N/A	N/A	Inc-COQ9-1
A_21_P0000989	1,5167	1,51185	1,003367421	ENST00000443104	101927412	NR_125940	LOC101927412
A_21_P0013613	1,35636	1,35151	1,003367421	N/A	N/A	N/A	XLOC_I2_015090

A_23_P334328	1,51856	1,51372	1,003360466	ENST00000483484	22798	NM_007356	LAMB4
A_24_P191326	1,70628	1,70144	1,003360466	ENST00000484290	4632	NM_079420	MYL1
A_33_P3346062	1,36454	1,35971	1,003353511	N/A	N/A	N/A	N/A
A_23_P412990	1,36048	1,35565	1,003353511	ENST00000340177	11255	NM_007232	HRH3
A_22_P00022238	1,51754	1,51271	1,003353511	ENST00000495287	103344930	NR_121649	LINC01391
A_22_P00008375	1,46752	1,46269	1,003353511	ENST00000424017	N/A	N/A	N/A
A_22_P00013670	1,64476	1,63994	1,003346557	ENST00000525429	N/A	N/A	N/A
A_21_P0012851	1,51826	1,51344	1,003346557	N/A	N/A	N/A	XLOC_I2_011793
A_24_P328969	9,5391	9,5343	1,003332647	ENST00000274496	81555	NM_030799	YIPF5
A_22_P00014805	2,1569	2,15211	1,003325693	ENST00000581183	N/A	N/A	N/A
A_21_P0005090	1,48677	1,48198	1,003325693	N/A	N/A	N/A	Inc-THBS2-7
A_21_P0005969	1,47558	1,47081	1,003311784	N/A	N/A	N/A	Inc-RUNX1T1-4
A_33_P3290065	1,61934	1,61457	1,003311784	ENST00000614215	729159	NM_001282301	LOC729159
A_21_P0000914	1,54035	1,53562	1,003283967	ENST00000419450	101927244	NR_125938	LOC101927244
A_21_P0008084	1,59648	1,59178	1,003263104	N/A	N/A	N/A	Inc-IRG1-1
A_33_P3325748	1,63797	1,63327	1,003263104	ENST00000407319	11078	NM_138632	TRIOBP
A_21_P0012296	1,51833	1,51364	1,00325615	N/A	N/A	N/A	XLOC_I2_009510
A_21_P0004214	1,37417	1,36948	1,00325615	N/A	N/A	N/A	Inc-ADAMTS16-3
A_33_P3231342	1,44445	1,43977	1,003249196	N/A	N/A	N/A	N/A
A_21_P0008457	1,50178	1,49711	1,003242242	N/A	N/A	N/A	Inc-MAP3K9-3
A_33_P3231631	1,46995	1,46531	1,00322138	ENST00000377169	442186	NM_001005216	OR2J3
A_32_P324933	1,66471	1,66008	1,003214427	N/A	283521	NR_027047	LINC00282
A_21_P0009446	1,4661	1,46147	1,003214427	ENST00000580378	645355	N/A	MIR3976HG
A_33_P3213596	4,73697	4,73235	1,003207473	ENST00000284483	23043	NM_015028	TNIK
A_22_P00000962	1,63081	1,6262	1,003200519	ENST00000381078	N/A	AK125751	N/A
A_22_P00008770	1,49574	1,49113	1,003200519	ENST00000525309	N/A	BX118004	N/A
A_33_P3394065	1,53094	1,52633	1,003200519	ENST00000422321	5305	N/A	PIP4K2A
A_23_P255376	8,95637	8,95178	1,003186612	ENST00000394650	55013	NM_017918	CCDC109B
A_21_P0004217	1,38729	1,38273	1,003165752	N/A	N/A	N/A	Inc-KIAA0947-1
A_21_P0006295	1,44881	1,44425	1,003165752	N/A	101927916	N/A	LOC101927916
A_22_P00025511	1,66296	1,65841	1,003158798	N/A	N/A	DA504341	Inc-CCNK-1
A_22_P00006679	1,46075	1,4562	1,003158798	N/A	N/A	N/A	Inc-FPGT-1
A_21_P0007517	1,69524	1,6907	1,003151845	N/A	N/A	N/A	Inc-CD9-2



A_33_P3251257	1,50463	1,5001	1,003144892	ENST00000619800	N/A	XM_005276719	N/A
A_21_P0002975	1,48878	1,48426	1,003137938	N/A	N/A	N/A	Inc-GPR27-1
A_33_P3354434	12,4531	12,4486	1,003124032	ENST00000503114	90933	NM_033549	TRIM41
A_21_P0008949	6,00645	6,00196	1,003117079	ENST00000571340	N/A	N/A	N/A
A_22_P00009991	1,60097	1,59648	1,003117079	N/A	N/A	DA285471	Inc-MLL5-1
A_23_P1775	9,88661	9,88212	1,003117079	ENST00000442480	1798	NM_001382	DPAGT1
A_22_P00021502	1,69563	1,69115	1,003110126	N/A	101929196	NR_120348	THSD4-AS1
A_24_P99175	1,57662	1,57215	1,003103173	ENST00000319374	283576	NM_174976	ZDHHC22
A_23_P303072	1,52914	1,52467	1,003103173	ENST00000340592	2890	NM_000827	GRIA1
A_22_P00016222	1,64227	1,63781	1,00309622	N/A	N/A	N/A	Inc-TM6SF1-1
A_22_P00023758	2,78085	2,77639	1,00309622	N/A	102724883	XR_424187	LOC102724883
A_22_P00005244	1,39957	1,39513	1,003082314	N/A	N/A	N/A	Inc-DLX2-5
A_22_P00025562	1,67949	1,67505	1,003082314	N/A	N/A	N/A	Inc-KCNMA1-1
A_22_P00020793	1,50996	1,50552	1,003082314	N/A	N/A	N/A	Inc-LACC1-1
A_22_P00017833	1,4889	1,48446	1,003082314	ENST00000448909	N/A	N/A	N/A
A_21_P0012494	1,67485	1,67043	1,003068408	N/A	N/A	N/A	XLOC_I2_009790
A_21_P0009432	1,36462	1,36021	1,003061456	ENST00000577408	101927715	NR_104127	LINC01029
A_22_P00002148	1,50609	1,50168	1,003061456	ENST00000393264	N/A	AK096774	N/A
A_23_P390139	1,47237	1,46796	1,003061456	ENST00000297459	157753	NM_153015	TMEM74
A_33_P3403204	1,47962	1,47522	1,003054503	ENST00000359999	286204	AK123000	CRB2
A_23_P62298	1,60249	1,59809	1,003054503	ENST00000612180	54413	NM_018977	NLGN3
A_33_P3384657	1,49246	1,48809	1,003033645	ENST00000472151	2073	N/A	ERCC5
A_33_P3695899	4,69416	4,68979	1,003033645	N/A	441072	NR_102755	FLJ31104
A_22_P00024739	1,69611	1,69174	1,003033645	N/A	N/A	N/A	Inc-FAR1-1
A_33_P3340828	1,53997	1,5356	1,003033645	N/A	N/A	N/A	N/A
A_21_P0010716	1,69346	1,6891	1,003026693	N/A	N/A	N/A	Inc-PHGDH-1
A_23_P127418	1,52306	1,51871	1,00301974	ENST00000257068	4544	NM_005959	MTNR1B
A_22_P00024863	1,60791	1,60356	1,00301974	N/A	N/A	N/A	Inc-C17orf67-1
A_22_P00021655	1,71019	1,70586	1,003005836	N/A	N/A	N/A	Inc-GPX5-1
A_21_P0013824	1,38158	1,37725	1,003005836	N/A	N/A	N/A	XLOC_I2_015766
A_22_P00009050	1,46674	1,46241	1,003005836	ENST00000469196	N/A	N/A	N/A
A_23_P357983	1,68379	1,67946	1,003005836	ENST00000423210	161003	NM_145286	STOML3
A_33_P3253832	8,52201	8,51768	1,003005836	N/A	N/A	N/A	N/A

A_22_P00005170	1,46686	1,46254	1,002998884	ENST00000553318	N/A	N/A	N/A
A_33_P3356990	1,39197	1,38765	1,002998884	ENST00000415645	23117	NM_130464	NPIP3
A_21_P0012578	1,46707	1,46276	1,002991931	N/A	N/A	N/A	XLOC_I2_010602
A_21_P0006668	1,67745	1,67315	1,002984979	ENST00000366376	N/A	N/A	N/A
A_22_P00017338	1,50945	1,50519	1,002957171	N/A	N/A	AL832887	Inc-USP40-1
A_33_P3263890	1,5057	1,50144	1,002957171	ENST00000239461	5396	NM_006902	PRRX1
A_33_P3403242	1,47048	1,46623	1,002950219	N/A	N/A	N/A	N/A
A_33_P3270404	9,77052	9,76627	1,002950219	ENST00000361242	79065	NM_001077198	ATG9A
A_22_P00000247	1,51179	1,50755	1,002943267	N/A	N/A	N/A	Inc-AC006372.1-1
A_33_P3230676	2,336	2,33176	1,002943267	N/A	N/A	N/A	N/A
A_23_P131208	5,28337	5,27913	1,002943267	ENST00000417972	4929	NM_006186	NR4A2
A_23_P318890	3,185	3,18076	1,002943267	ENST00000304646	4992	NM_012360	OR1F1
A_21_P0008132	1,68788	1,68366	1,002929363	N/A	N/A	N/A	Inc-USP12-1
A_24_P12136	3,34572	3,3415	1,002929363	ENST00000613039	170591	NM_130772	S100Z
A_21_P0011571	1,49465	1,49044	1,002922412	N/A	N/A	N/A	XLOC_I2_006003
A_22_P00013778	1,53438	1,53017	1,002922412	ENST00000540171	101929949	XR_253316	LOC101929949
A_23_P200216	13,2977	13,2935	1,00291546	ENST00000495868	4116	NM_002370	MAGOH
A_23_P209055	1,45293	1,44873	1,00291546	ENST00000594250	933	NM_001771	CD22
A_24_P68247	6,2579	6,25371	1,002908508	ENST00000354241	89122	NM_033017	TRIM4
A_21_P0012715	1,40289	1,3987	1,002908508	ENST00000506739	152742	NR_033931	LINC01085
A_22_P00025143	1,51463	1,51045	1,002901557	N/A	102031319	NR_104163	LOC102031319
A_33_P6601265	1,41312	1,40894	1,002901557	ENST00000533358	51144	XR_252883	HSD17B12
A_21_P0008170	1,52756	1,52338	1,002901557	N/A	N/A	N/A	Inc-DIAPH3-4
A_21_P0008146	1,6824	1,67824	1,002887654	N/A	N/A	N/A	Inc-LHFP-1
A_22_P00002470	1,6126	1,60845	1,002880702	N/A	N/A	N/A	Inc-C15orf48-1
A_33_P3236906	1,51008	1,50594	1,002873751	ENST00000421378	100131814	NR_026805	LINC00271
A_22_P00010518	1,51419	1,51006	1,002866799	N/A	N/A	N/A	Inc-NBPF9-2
A_22_P00004600	1,48966	1,48553	1,002866799	ENST00000522799	N/A	N/A	N/A
A_21_P0010145	1,53824	1,53412	1,002859848	ENST00000433210	N/A	N/A	N/A
A_33_P3248163	1,71039	1,70628	1,002852897	ENST00000272395	129868	NM_138800	TRIM43
A_33_P3251148	16,8079	16,8038	1,002845945	ENST00000329563	706	NM_001256530	TSPO
A_21_P0013556	10,2617	10,2576	1,002845945	N/A	N/A	N/A	XLOC_I2_014711
A_21_P0001667	1,51437	1,51027	1,002845945	N/A	N/A	N/A	Inc-CLIC4-2

A_33_P3372954	1,51798	1,51388	1,002845945	N/A	387720	XR_111130	LOC387720
A_33_P3366859	6,22817	6,22408	1,002838994	ENST00000470054	574	NM_001187	BAGE
A_22_P00009077	1,62748	1,62339	1,002838994	N/A	N/A	N/A	Inc-LGALS12-2
A_22_P00002108	1,47047	1,46639	1,002832043	ENST00000519400	N/A	N/A	N/A
A_33_P3322892	3,79712	3,79306	1,002818141	ENST00000346693	83692	BC025729	CD99L2
A_21_P0003621	1,65412	1,65006	1,002818141	N/A	N/A	N/A	Inc-PARM1-1
A_21_P0009277	1,66863	1,66457	1,002818141	N/A	N/A	N/A	Inc-SEPT9-1
A_24_P265088	2,64055	2,6365	1,00281119	ENST00000393758	57595	AK127016	PDZD4
A_33_P3235496	1,53672	1,53268	1,002804239	ENST00000457108	N/A	N/A	N/A
A_23_P55544	1,36744	1,3634	1,002804239	ENST00000439986	147372	NM_133459	CCBE1
A_23_P118854	1,63546	1,63143	1,002797288	N/A	8688	NM_003770	KRT37
A_19_P00316361	1,57938	1,57536	1,002790337	ENST00000502518	N/A	N/A	N/A
A_21_P0008393	1,61874	1,61473	1,002783387	ENST00000555725	100507277	XR_110252	LOC100507277
A_23_P210503	1,61614	1,61214	1,002776436	ENST00000336443	57119	NM_001302861	EPPIN
A_33_P3255359	1,44994	1,44596	1,002762535	N/A	N/A	N/A	N/A
A_24_P282237	6,5269	6,52292	1,002762535	ENST00000274891	5558	NM_000947	PRIM2
A_21_P0009383	1,65746	1,65349	1,002755584	N/A	N/A	N/A	Inc-DHRS7B-2
A_22_P00010573	1,46446	1,46051	1,002741683	ENST00000456588	103724386	NR_125770	LINC00377
A_22_P00007040	1,6533	1,64935	1,002741683	N/A	N/A	N/A	Inc-GJA5-2
A_21_P0002281	1,53663	1,53269	1,002734732	N/A	N/A	N/A	Inc-GLI2-1
A_22_P00023029	1,46374	1,45981	1,002727782	N/A	100129620	NR_033940	LOC100129620
A_21_P0002626	1,6492	1,64527	1,002727782	ENST00000453965	N/A	N/A	N/A
A_21_P0008037	1,62919	1,62527	1,002720832	N/A	101928839	XR_253149	LOC101928839
A_22_P00023707	1,53179	1,52787	1,002720832	ENST00000444112	N/A	N/A	N/A
A_22_P00016943	1,63203	1,62812	1,002713881	N/A	101927447	XR_244442	LOC101927447
A_33_P3410507	8,68975	8,68584	1,002713881	ENST00000612450	9859	NM_014812	CEP170
A_23_P38457	10,3741	10,3702	1,002706931	ENST00000536202	57551	NM_020791	TAOK1
A_24_P928473	1,62077	1,61689	1,002693031	ENST00000437003	N/A	AK092832	N/A
A_21_P0012490	1,61774	1,61386	1,002693031	N/A	N/A	N/A	XLOC_I2_009614
A_22_P00015137	1,51392	1,51004	1,002693031	ENST00000568862	N/A	AK023940	N/A
A_21_P0008673	1,68524	1,68137	1,002686081	N/A	N/A	N/A	Inc-FURIN-1
A_21_P0006419	1,45314	1,44929	1,002672181	N/A	N/A	N/A	Inc-SYTL5-1
A_33_P3332287	1,63073	1,62688	1,002672181	ENST00000449051	N/A	XR_133387	N/A

A_21_P0005744	1,66706	1,66321	1,002672181	N/A	N/A	N/A	Inc-GRHL2-5
A_22_P00005840	2,37474	2,3709	1,002665231	N/A	N/A	N/A	Inc-ERGIC1-2
A_33_P3323258	1,54016	1,53632	1,002665231	N/A	N/A	N/A	N/A
A_21_P0008054	1,56548	1,56165	1,002658281	N/A	N/A	N/A	Inc-SLC25A15-1
A_22_P00003421	1,5352	1,53137	1,002658281	N/A	101927482	NR_110225	LOC101927482
A_33_P3388691	1,64255	1,63872	1,002658281	ENST00000417209	431704	NM_001039152	RGS21
A_21_P0006790	1,36299	1,35916	1,002658281	ENST00000425050	103695365	NR_125760	LINC01435
A_33_P3261433	9,72121	9,71739	1,002651331	N/A	N/A	N/A	N/A
A_33_P3313025	1,57062	1,56681	1,002644381	N/A	N/A	N/A	N/A
A_22_P00008212	14,4495	14,4457	1,002637431	ENST00000552182	N/A	DB066917	N/A
A_21_P0009978	1,50238	1,49859	1,002630481	N/A	N/A	N/A	Inc-MC3R-3
A_21_P0007673	1,46531	1,46152	1,002630481	N/A	N/A	N/A	Inc-NOC4L-2
A_22_P00020409	1,67524	1,67145	1,002630481	ENST00000430058	101928337	XR_252621	PTCSC2
A_21_P0003272	1,6036	1,59982	1,002623532	ENST00000457815	N/A	N/A	N/A
A_23_P406448	1,70467	1,70089	1,002623532	ENST00000243298	51209	NM_016370	RAB9B
A_21_P0012881	1,61813	1,61435	1,002623532	N/A	N/A	N/A	XLOC_I2_011908
A_22_P00009870	1,69208	1,6883	1,002623532	ENST00000508313	100506085	N/A	LOC100506085
A_21_P0000937	1,64873	1,64496	1,002616582	ENST00000496488	N/A	N/A	N/A
A_22_P00005912	7,15817	7,15442	1,002602683	ENST00000518886	N/A	N/A	N/A
A_22_P00003807	1,52828	1,52454	1,002595734	ENST00000512748	102546229	NR_105044	LOC102546229
A_33_P3270793	3,82251	3,81877	1,002595734	ENST00000331243	151354	NM_145175	FAM84A
A_21_P0006595	1,53054	1,52681	1,002588784	ENST00000419158	101929148	NR_110413	LOC101929148
A_21_P0008233	1,62354	1,61984	1,002567936	N/A	N/A	N/A	Inc-PABPC3-1
A_23_P252641	13,8043	13,8006	1,002567936	ENST00000419745	9527	NM_001007024	GOSR1
A_21_P0002891	1,69243	1,68876	1,002547088	N/A	N/A	N/A	Inc-DHX36-2
A_21_P0012369	1,46092	1,45725	1,002547088	N/A	N/A	N/A	XLOC_I2_009652
A_21_P0006647	1,68105	1,67738	1,002547088	ENST00000418270	N/A	N/A	N/A
A_23_P416666	1,69194	1,68828	1,002540139	ENST00000369352	84694	NM_032602	GJA10
A_21_P0009492	1,68432	1,68066	1,002540139	N/A	N/A	N/A	Inc-SERPINB8-1
A_21_P0003433	1,61485	1,6112	1,00253319	ENST00000508790	N/A	N/A	N/A
A_33_P3265264	1,63102	1,62738	1,002526241	N/A	N/A	N/A	N/A
A_24_P102293	1,66792	1,66428	1,002526241	ENST00000325089	26050	NM_015567	SLITRK5
A_21_P0010667	1,46121	1,45757	1,002526241	N/A	N/A	N/A	XLOC_I2_001288

A_22_P00022619	1,46393	1,46029	1,002526241	ENST00000422017	N/A	N/A	N/A
A_21_P0005330	1,66019	1,65656	1,002519292	ENST00000420146	N/A	N/A	N/A
A_24_P192434	8,32997	8,32634	1,002519292	ENST00000276602	7013	NM_017489	TERF1
A_21_P0013110	1,68561	1,68198	1,002519292	N/A	N/A	N/A	XLOC_I2_013153
A_22_P00018218	1,4416	1,43797	1,002519292	N/A	N/A	N/A	Inc-ZNF672-1
A_21_P0006137	1,46469	1,46108	1,002505395	N/A	N/A	N/A	Inc-ANKRD18B-3
A_33_P3222947	1,61408	1,61047	1,002505395	ENST00000620492	283953	NM_001146336	TMEM114
A_21_P0006192	1,67399	1,67039	1,002498446	N/A	N/A	N/A	Inc-KRT8P11-1
A_22_P00004156	1,45653	1,45293	1,002498446	ENST00000541404	N/A	N/A	N/A
A_23_P127676	9,95991	9,95633	1,002484548	ENST00000361367	9646	NM_014633	CTR9
A_22_P00019243	1,39653	1,39295	1,002484548	N/A	N/A	BF799184	Inc-CLIC4-1
A_21_P0007714	1,6581	1,65452	1,002484548	N/A	N/A	N/A	Inc-CTDSP2-3
A_23_P376727	1,67706	1,67349	1,0024776	ENST00000356140	130013	NM_138326	ACMSD
A_21_P0014536	1,65395	1,65038	1,0024776	N/A	101928817	XR_245803	LOC101928817
A_22_P00014785	1,35687	1,35331	1,002470651	N/A	N/A	BG199780	Inc-SLC38A8-4
A_21_P0013853	3,90303	3,89949	1,002456754	N/A	N/A	N/A	Inc-XIAP-1
A_21_P0001660	1,66568	1,66214	1,002456754	N/A	N/A	N/A	Inc-DFFB-3
A_22_P00008588	3,73756	3,73402	1,002456754	N/A	N/A	N/A	Inc-KCTD20-1
A_22_P00010041	1,47481	1,47128	1,002449805	N/A	N/A	BQ943474	Inc-MNT-1
A_33_P3209537	7,52508	7,52157	1,002435909	ENST00000609967	57593	NM_001110514	EBF4
A_23_P116235	16,448	16,4445	1,00242896	ENST00000407067	4192	NM_001012334	MDK
A_33_P3318027	14,0398	14,0363	1,00242896	ENST00000493079	1460	NM_001320	CSNK2B
A_33_P3331150	1,53465	1,53116	1,002422012	ENST00000390606	N/A	L03830	N/A
A_33_P3224181	1,53305	1,52957	1,002415064	ENST00000567304	N/A	N/A	N/A
A_21_P0008039	3,27483	3,27136	1,002408116	N/A	N/A	N/A	Inc-WASF3-1
A_21_P0000729	1,65534	1,65187	1,002408116	ENST00000555721	100506172	N/A	LINC01568
A_22_P00008917	1,65258	1,64911	1,002408116	ENST00000538219	N/A	AA345637	N/A
A_24_P156501	1,6112	1,60776	1,002387271	ENST00000522192	1879	NM_024007	EBF1
A_33_P3324186	6,24051	6,23707	1,002387271	N/A	642366	NR_046243	LOC642366
A_21_P0006256	1,44728	1,44385	1,002380323	N/A	N/A	N/A	Inc-PTPRD-5
A_33_P3420941	1,59774	1,59432	1,002373375	N/A	439950	NR_046108	CELF2-AS2
A_23_P206806	1,52855	1,52513	1,002373375	ENST00000358164	3683	NM_002209	ITGAL
A_22_P00004729	1,38784	1,38443	1,002366427	N/A	N/A	N/A	Inc-CTIF-2

A_22_P00009061	1,75185	1,74844	1,002366427	N/A	N/A	N/A	Inc-LEO1-1
A_21_P0014099	3,34644	3,34305	1,002352532	N/A	100507554	XR_108428	LOC100507554
A_22_P00008575	1,68696	1,68357	1,002352532	ENST00000430519	N/A	N/A	N/A
A_21_P0004408	1,48208	1,4787	1,002345584	N/A	N/A	N/A	Inc-MRPS27-1
A_33_P3417976	1,62268	1,6193	1,002345584	ENST00000389594	440184	NR_110308	LINC00238
A_21_P0007553	1,66234	1,65897	1,002338636	N/A	N/A	N/A	Inc-ANP32D-1
A_33_P3265920	7,33891	7,33555	1,002331689	ENST00000430976	5775	NM_002830	PTPN4
A_21_P0009201	1,47445	1,47109	1,002331689	ENST00000584805	101927666	NR_110809	LOC101927666
A_21_P0007841	1,38961	1,38626	1,002324741	N/A	N/A	N/A	Inc-GLIPR1L1-1
A_22_P00009233	1,46198	1,45864	1,002317794	N/A	N/A	N/A	Inc-LRGUK-1
A_21_P0008078	1,37022	1,36689	1,002310846	N/A	N/A	N/A	Inc-AL445989.1-19
A_24_P941353	1,6548	1,65149	1,002296951	ENST00000379145	9468	NM_004845	PCYT1B
A_23_P2181	8,85103	8,84772	1,002296951	ENST00000526084	51700	NM_016229	CYB5R2
A_24_P358425	6,36728	6,36398	1,002290004	ENST00000469247	253635	NM_174931	GPATCH11
A_33_P3748714	5,92463	5,92134	1,002283056	ENST00000327671	84750	NM_032664	FUT10
A_22_P00024370	1,46103	1,45775	1,002276109	ENST00000455977	103752583	N/A	LINC01075
A_24_P124988	1,52662	1,52335	1,002269162	ENST00000434739	342096	NM_001038640	GOLGA6A
A_22_P00016155	1,56188	1,55861	1,002269162	N/A	100506195	NR_038950	LARGE-AS1
A_33_P3342146	1,68908	1,68581	1,002269162	N/A	N/A	N/A	N/A
A_21_P0014596	1,53042	1,52716	1,002262215	N/A	101927944	NR_120630	FAM53B-AS1
A_21_P0013017	1,62227	1,61901	1,002262215	N/A	N/A	N/A	XLOC_I2_012418
A_22_P00009252	1,68057	1,67731	1,002262215	ENST00000389484	53353	NM_018557	LRP1B
A_21_P0011261	1,4545	1,45124	1,002262215	N/A	N/A	N/A	XLOC_I2_004327
A_21_P0009302	2,73138	2,72813	1,002255268	ENST00000395667	374286	NM_001282540	CDRT1
A_22_P00020822	1,68717	1,68393	1,002248321	ENST00000522106	N/A	XR_113143	N/A
A_24_P402825	1,69144	1,68821	1,002241374	ENST00000478261	55799	NM_018398	CACNA2D3
A_33_P3401586	1,55773	1,5545	1,002241374	ENST00000480514	100130771	NR_027068	EFCAB10
A_21_P0009939	1,54832	1,5451	1,002234427	N/A	N/A	N/A	Inc-SNRPB2-1
A_21_P0014087	1,55032	1,54711	1,00222748	N/A	100506405	XR_108393	LOC100506405
A_22_P00015483	1,60907	1,60586	1,00222748	ENST00000444745	102723427	N/A	LOC102723427
A_21_P0014090	1,51057	1,50737	1,002220533	N/A	101927055	NR_120594	LOC101927055
A_24_P25080	11,147	11,1438	1,002220533	ENST00000616550	220869	NM_001024916	CBWD5
A_22_P00019921	1,68876	1,68557	1,002213586	ENST00000505632	N/A	N/A	N/A

A_33_P3344678	1,52118	1,518	1,002206639	ENST00000438986	729159	NM_001282301	LOC729159
A_24_P608268	1,50062	1,49745	1,002199692	ENST00000390636	N/A	U21252	N/A
A_21_P0001758	1,68208	1,67891	1,002199692	N/A	100505832	XR_248694	PROX1-AS1
A_21_P0000853	1,69578	1,69262	1,002192746	N/A	100506409	NR_038962	ELOVL2-AS1
A_21_P0007227	1,50977	1,50663	1,002178852	N/A	N/A	N/A	Inc-TPCN2-4
A_21_P0005336	1,61964	1,6165	1,002178852	ENST00000438969	N/A	N/A	N/A
A_21_P0011254	1,71457	1,71143	1,002178852	ENST00000504119	100507043	NR_038861	TUNAR
A_33_P3283734	1,51067	1,50753	1,002178852	N/A	N/A	N/A	N/A
A_21_P0014532	1,653	1,64988	1,002164959	N/A	N/A	N/A	N/A
A_21_P0012916	1,51032	1,50721	1,002158013	N/A	N/A	N/A	XLOC_I2_012135
A_33_P3271241	14,2201	14,217	1,002151066	ENST00000373230	5464	NM_021129	PPA1
A_24_P419309	10,5443	10,5412	1,002151066	ENST00000491106	9410	NM_004814	SNRNP40
A_33_P3343350	1,49748	1,49439	1,00214412	ENST00000436781	N/A	N/A	N/A
A_22_P00011781	1,65123	1,64815	1,002137174	N/A	N/A	N/A	Inc-PFKP-7
A_22_P00001936	1,52193	1,51885	1,002137174	N/A	N/A	DB129520	Inc-BARD1-1
A_23_P167479	1,70724	1,70417	1,002130228	ENST00000505432	27190	NM_014443	IL17B
A_21_P0010306	1,51071	1,50764	1,002130228	ENST00000602892	388815	N/A	MIR99AHG
A_21_P0010102	1,51052	1,50746	1,002123281	N/A	N/A	N/A	Inc-PPDPF-1
A_22_P00009742	1,70069	1,69763	1,002123281	ENST00000441255	100507195	NR_120458	LOC100507195
A_22_P00000965	1,6867	1,68364	1,002123281	N/A	101929239	NR_110871	LOC101929239
A_22_P00003100	1,46594	1,46288	1,002123281	ENST00000521623	N/A	N/A	N/A
A_33_P3332596	1,48882	1,48576	1,002123281	ENST00000565545	N/A	BX471465	N/A
A_32_P14582	1,68635	1,6833	1,002116335	ENST00000497718	388503	N/A	C3P1
A_24_P601972	8,04481	8,04177	1,002109389	ENST00000398622	339804	NM_001143959	C2orf74
A_23_P17438	1,50661	1,50357	1,002109389	ENST00000371028	1908	NM_207032	EDN3
A_22_P00012911	1,69013	1,68709	1,002109389	N/A	N/A	AA682775	Inc-RBMXL3-1
A_22_P00013262	1,49056	1,48753	1,002102443	N/A	101410536	NR_120507	EVX1-AS
A_21_P0001870	1,51027	1,50724	1,002102443	ENST00000412986	101927533	XR_245013	LOC101927533
A_24_P158718	7,38106	7,37803	1,002102443	ENST00000227451	23220	NM_015177	DTX4
A_33_P3500631	1,53617	1,53315	1,002095497	N/A	641364	NR_038380	SLC7A11-AS1
A_21_P0010081	1,69355	1,69054	1,002088551	N/A	N/A	N/A	Inc-SPTLC3-1
A_33_P3630777	1,65129	1,64828	1,002088551	ENST00000443854	N/A	AJ301561	N/A
A_22_P00022093	1,63599	1,63299	1,002081605	N/A	100885795	NR_048543	LARS2-AS1

A_22_P00008120	1,66912	1,66612	1,002081605	N/A	101928080	XR_424103	LOC101928080
A_23_P33072	10,7174	10,7144	1,002081605	ENST00000532522	84232	NM_032272	MAF1
A_33_P3278789	1,50887	1,50587	1,002081605	ENST00000373227	83795	NM_001135106	KCNK16
A_23_P44760	9,12142	9,11843	1,002074659	ENST00000409792	29072	NM_014159	SETD2
A_33_P3365202	1,68923	1,68625	1,002067713	ENST00000369657	N/A	N/A	N/A
A_33_P3400673	1,52949	1,52651	1,002067713	ENST00000379668	390321	NM_001005182	OR6C1
A_23_P325155	1,64653	1,64355	1,002067713	ENST00000440122	131450	NM_138939	CD200R1
A_21_P0005545	5,63203	5,62905	1,002067713	N/A	N/A	N/A	Inc-XRCC2-4
A_33_P3251552	1,59722	1,59425	1,002060768	ENST00000217260	343637	NM_001029871	RSPO4
A_21_P0011144	1,68403	1,68106	1,002060768	ENST00000428983	N/A	N/A	N/A
A_22_P00008452	1,61264	1,60968	1,002053822	ENST00000565127	N/A	N/A	N/A
A_33_P3261595	1,37379	1,37084	1,002046876	ENST00000338682	340120	NM_001004441	ANKRD34B
A_22_P00007309	1,48972	1,48677	1,002046876	ENST00000445340	51362	R69497	CDC40
A_33_P3608210	1,69051	1,68756	1,002046876	N/A	554202	NR_027054	MIR31HG
A_22_P00021721	1,71609	1,71314	1,002046876	ENST00000498630	104413890	NR_126422	ZBTB20-AS3
A_22_P00019784	1,49289	1,48995	1,002039931	N/A	N/A	N/A	Inc-EFR3A-2
A_22_P00009621	1,6646	1,66166	1,002039931	N/A	102724323	NR_120674	LOC102724323
A_24_P266019	1,44962	1,44668	1,002039931	ENST00000307161	4543	NM_005958	MTNR1A
A_33_P3365735	1,37983	1,3769	1,002032985	ENST00000488355	7058	NM_003247	THBS2
A_21_P0000308	9,17207	9,16914	1,002032985	ENST00000577700	677798	NR_002952	SNORA9
A_23_P11103	1,62594	1,62302	1,002026039	ENST00000252677	9210	NM_005448	BMP15
A_21_P0012818	1,61735	1,61444	1,002019094	ENST00000502952	100506272	N/A	LOC100506272
A_22_P00016265	1,49725	1,49434	1,002019094	ENST00000571972	N/A	N/A	N/A
A_33_P3306207	8,77829	8,77538	1,002019094	ENST00000340940	346689	NM_198508	KLRG2
A_22_P00019253	1,52768	1,52478	1,002012148	N/A	N/A	N/A	Inc-AC009365.3.1-5
A_22_P00016529	1,51	1,5071	1,002012148	N/A	N/A	N/A	Inc-TMTC3-6
A_33_P3362587	1,67684	1,67397	1,001991312	ENST00000394982	219793	BC060774	TBATA
A_23_P34452	1,49897	1,4961	1,001991312	ENST00000368742	4014	NM_000427	LOR
A_19_P00316625	1,65136	1,64849	1,001991312	N/A	100505881	NR_038346	MAGI2-AS3
A_24_P280762	8,03773	8,03488	1,001977422	ENST00000433730	80759	NM_030568	KHDC1
A_22_P00019202	1,35318	1,35033	1,001977422	N/A	N/A	N/A	Inc-AC091801.1.1-7
A_21_P0003727	6,40453	6,40169	1,001970477	N/A	N/A	N/A	Inc-GPR125-1
A_23_P377750	1,35355	1,35071	1,001970477	ENST00000264664	2255	NM_004465	FGF10



A_21_P0002017	1,53118	1,52835	1,001963532	ENST00000422996	100506474	N/A	LOC100506474
A_33_P3296333	1,51469	1,51187	1,001956587	ENST00000474900	50863	NM_001144058	NTM
A_23_P259012	10,5884	10,5856	1,001942697	ENST00000615113	8314	NM_004656	BAP1
A_21_P0007246	1,40053	1,39773	1,001942697	N/A	N/A	N/A	Inc-C11orf82-4
A_22_P00005037	1,47948	1,47669	1,001935752	N/A	N/A	N/A	Inc-DDX60-1
A_33_P3279381	1,67124	1,66845	1,001935752	N/A	N/A	N/A	N/A
A_24_P339869	1,68605	1,68327	1,001928807	ENST00000310826	49854	NM_020727	ZBTB21
A_21_P0010969	1,3853	1,38253	1,001921862	N/A	N/A	N/A	XLOC_I2_002276
A_22_P00023523	1,65058	1,64782	1,001914917	N/A	N/A	DA573114	Inc-TNFRSF17-3
A_33_P3363804	1,652	1,64924	1,001914917	ENST00000621518	4684	NM_001242608	NCAM1
A_21_P0006585	1,637	1,63425	1,001907973	ENST00000435581	401577	NR_033380	CD99P1
A_33_P3386681	1,50751	1,50476	1,001907973	ENST00000378186	503497	NM_001012417	MS4A13
A_33_P3210762	3,72818	3,72545	1,001894083	ENST00000613213	11173	NM_014272	ADAMTS7
A_21_P0005230	1,67003	1,6673	1,001894083	ENST00000414915	N/A	N/A	N/A
A_21_P0009660	1,35396	1,35124	1,001887139	N/A	N/A	N/A	Inc-ZNF791-2
A_22_P00018962	4,04955	4,04683	1,001887139	N/A	102723809	NR_110550	LOC102723809
A_21_P0010619	3,10069	3,09798	1,001880194	ENST00000444349	101927084	N/A	LINC01359
A_32_P165340	10,4732	10,4705	1,00187325	ENST00000366839	6726	NM_003133	SRP9
A_33_P3229380	10,4566	10,4539	1,00187325	ENST00000415989	731275	NR_029401	LINC01347
A_23_P93629	11,6402	11,6375	1,00187325	ENST00000415680	8805	NM_015905	TRIM24
A_21_P0007776	1,61036	1,60766	1,00187325	N/A	N/A	N/A	Inc-NCOR2-2
A_33_P3301489	1,42944	1,42675	1,001866305	ENST00000526254	646522	NR_120444	LOC646522
A_21_P0003482	1,52981	1,52712	1,001866305	ENST00000510169	N/A	N/A	N/A
A_33_P3293808	1,49803	1,49536	1,001852417	N/A	N/A	AK091470	Inc-C3orf37-1
A_22_P00006820	1,61646	1,6138	1,001845472	ENST00000553382	503519	NR_038852	LINC00929
A_23_P302634	1,48341	1,48075	1,001845472	ENST00000551340	283310	NM_173591	OTOGL
A_21_P0012824	1,68743	1,68478	1,001838528	N/A	N/A	N/A	XLOC_I2_011508
A_22_P00024515	1,40247	1,39983	1,001831584	ENST00000419824	N/A	BG197735	N/A
A_33_P3224844	1,65267	1,65003	1,001831584	N/A	643432	NR_015362	TSG1
A_21_P0000687	1,61996	1,61735	1,001810752	N/A	100379251	NR_037806	NPPA-AS1
A_22_P00023116	1,47087	1,46827	1,001803808	N/A	N/A	N/A	Inc-TAF9-1
A_22_P00010405	1,77779	1,7752	1,001796864	N/A	N/A	N/A	Inc-MYO1D-2
A_33_P3248943	1,49606	1,49349	1,001782976	ENST00000496251	1496	N/A	CTNNA2

A_22_P00003564	1,63168	1,62913	1,001769088	N/A	N/A	BC071802	Inc-CCT4-1
A_22_P00005617	1,65287	1,65032	1,001769088	N/A	N/A	N/A	Inc-EGFLAM-2
A_33_P3224338	1,47645	1,4739	1,001769088	ENST00000599640	101927468	N/A	LOC101927468
A_33_P3224290	1,46491	1,46237	1,001762145	ENST00000312422	219431	NM_001004059	OR4S2
A_22_P00006129	1,60568	1,60314	1,001762145	N/A	N/A	N/A	Inc-FAM175B-1
A_22_P00010355	1,46108	1,45855	1,001755201	ENST00000420404	N/A	N/A	N/A
A_33_P3223097	8,74108	8,73856	1,001748257	ENST00000448567	84791	NR_026761	LINC00467
A_21_P0001511	1,47037	1,46786	1,001741314	N/A	N/A	N/A	Inc-C1orf168-2
A_21_P0013672	1,60827	1,60578	1,001727427	N/A	N/A	N/A	XLOC_I2_015302
A_33_P3331731	1,597	1,59451	1,001727427	N/A	N/A	N/A	N/A
A_23_P3450	9,5981	9,59563	1,00171354	ENST00000561691	27229	NM_014444	TUBGCP4
A_24_P292253	1,52509	1,52262	1,00171354	ENST00000397146	80760	NM_030569	ITIH5
A_22_P00007527	1,46251	1,46005	1,001706597	N/A	N/A	N/A	Inc-HACE1-1
A_33_P3280385	1,66061	1,65817	1,00169271	N/A	1293	NM_057165	COL6A3
A_22_P00019072	1,45829	1,45585	1,00169271	N/A	N/A	BX090891	Inc-OR13G1-1
A_22_P00015656	1,52172	1,51928	1,00169271	N/A	N/A	N/A	Inc-SVIL-1
A_22_P00014383	1,45993	1,4575	1,001685767	N/A	101927547	NR_046837	ANKRD44-IT1
A_21_P0006080	1,67379	1,67136	1,001685767	ENST00000439418	494558	N/A	C9orf135-AS1
A_21_P0008714	1,56934	1,56691	1,001685767	N/A	N/A	N/A	Inc-GABRB3-2
A_22_P00012458	1,6655	1,66307	1,001685767	N/A	N/A	CK905429	Inc-PRPS1L1-1
A_22_P00018329	1,56077	1,55834	1,001685767	N/A	N/A	N/A	Inc-ZNF99-1
A_19_P00810474	8,18929	8,18686	1,001685767	ENST00000572681	23152	N/A	CIC
A_24_P40417	9,18758	9,18516	1,001678824	ENST00000218200	2332	NM_002024	FMR1
A_21_P0013864	1,50421	1,50181	1,001664938	N/A	N/A	N/A	N/A
A_22_P00001949	1,60693	1,60454	1,001657995	ENST00000510648	646241	XR_241747	LOC646241
A_23_P49924	8,98127	8,9789	1,001644109	ENST00000445655	115024	NM_052935	NT5C3B
A_24_P30557	1,62632	1,62395	1,001644109	ENST00000310346	6910	NM_000192	TBX5
A_22_P00011357	1,50254	1,50018	1,001637166	ENST00000453862	103625683	N/A	LINC00456
A_21_P0000496	5,39156	5,38921	1,001630223	ENST00000591956	677848	NR_004395	SNORD1A
A_21_P0013547	1,40435	1,40201	1,00162328	N/A	N/A	N/A	XLOC_I2_014694
A_23_P35484	1,61166	1,60933	1,001616338	ENST00000531825	5407	NM_006229	PNLIPRP1
A_32_P48949	1,47183	1,46951	1,001609395	ENST00000375419	445577	NM_001098808	C9orf129
A_33_P3407725	1,69314	1,69083	1,001602453	N/A	N/A	N/A	XLOC_I2_003856

A_23_P62709	11,1228	11,1205	1,00159551	ENST00000331860	6707	NM_005416	SPRR3
A_33_P3304322	1,37172	1,36942	1,00159551	ENST00000465922	11055	DB090165	ZBPB
A_22_P00018802	1,65741	1,65512	1,001588567	N/A	N/A	BG203545	Inc-MTRR-6
A_21_P0008763	1,52557	1,52328	1,001588567	ENST00000558244	283688	N/A	LINC00927
A_33_P3239594	1,4553	1,45301	1,001588567	N/A	26050	XM_005254038	SLITRK5
A_33_P3336878	6,79561	6,79335	1,00156774	ENST00000369931	79847	NM_024789	TMEM180
A_21_P0007007	1,47361	1,47136	1,001560798	N/A	N/A	N/A	Inc-GRID1-1
A_23_P353056	9,07999	9,07776	1,001546913	ENST00000525598	9854	NM_014807	C2CD2L
A_33_P3311473	3,80788	3,80566	1,001539971	ENST00000273859	57205	NM_020453	ATP10D
A_21_P0002204	1,50538	1,50317	1,001533029	N/A	N/A	N/A	Inc-MTA3-2
A_33_P3353737	1,6996	1,69739	1,001533029	ENST00000305046	125	AF153821	ADH1B
A_23_P370054	1,47386	1,47165	1,001533029	ENST00000325250	286514	NM_173699	MAGEB18
A_21_P0014050	1,91791	1,9157	1,001533029	N/A	N/A	N/A	N/A
A_33_P3263935	1,50454	1,50234	1,001526087	ENST00000382830	100288287	NM_001164434	KRTAP22-2
A_21_P0013470	1,52511	1,52291	1,001526087	ENST00000606573	100132923	NR_027425	FAM66D
A_22_P00002441	11,248	11,2458	1,001526087	ENST00000548104	102723354	NR_110546	LOC102723354
A_22_P00003513	1,57087	1,56869	1,001512203	N/A	N/A	N/A	Inc-CCL1-2
A_23_P420236	1,47682	1,47465	1,001505261	ENST00000544246	5101	NM_203487	PCDH9
A_23_P72503	9,27322	9,27105	1,001505261	ENST00000226725	11275	NM_007246	KLHL2
A_21_P0014109	1,44979	1,44763	1,001498319	N/A	N/A	N/A	N/A
A_23_P353149	1,66475	1,66259	1,001498319	ENST00000381821	339669	NM_178552	TEX33
A_33_P3274955	1,65093	1,64877	1,001498319	ENST00000280605	84076	NM_032136	TKTL2
A_22_P00014607	1,44894	1,44679	1,001491377	ENST00000536330	N/A	N/A	N/A
A_22_P00001416	1,59304	1,59091	1,001477494	ENST00000526455	N/A	N/A	N/A
A_24_P376787	6,55404	6,55191	1,001477494	ENST00000294753	84838	NM_032752	ZNF496
A_22_P00013180	1,48488	1,48276	1,001470552	N/A	N/A	N/A	Inc-RNF144B-2
A_22_P00010801	1,4862	1,48409	1,001463611	ENST00000426166	N/A	N/A	N/A
A_21_P0003341	1,60031	1,59821	1,001456669	N/A	N/A	N/A	Inc-SOD3-4
A_21_P0006746	1,58815	1,58605	1,001456669	N/A	N/A	N/A	Inc-CUL2-1
A_22_P00016886	1,45979	1,45769	1,001456669	ENST00000448680	N/A	N/A	N/A
A_21_P0002183	1,64959	1,6475	1,001449727	N/A	N/A	N/A	Inc-AC010872.2.1-2
A_33_P3296721	1,48095	1,47887	1,001442786	N/A	N/A	N/A	N/A
A_21_P0001746	1,64139	1,63931	1,001442786	N/A	N/A	N/A	Inc-CD1B-3

A_21_P0006229	3,17304	3,17096	1,001442786	N/A	N/A	N/A	Inc-CDK9-1
A_33_P3421303	1,65797	1,6559	1,001435845	ENST00000231188	2916	NM_000843	GRM6
A_22_P00018232	5,38561	5,38355	1,001428903	ENST00000593670	N/A	DB525580	N/A
A_21_P0013111	1,67313	1,67107	1,001428903	N/A	N/A	N/A	XLOC_I2_013153
A_22_P00022359	1,3628	1,36074	1,001428903	N/A	N/A	BC034424	Inc-TMEM202-2
A_33_P3218258	1,68383	1,68177	1,001428903	N/A	N/A	N/A	N/A
A_21_P0005488	1,35371	1,35166	1,001421962	N/A	N/A	N/A	Inc-TBX20-2
A_33_P3214943	8,18759	8,18555	1,00141502	ENST00000412663	9806	NM_001134434	SPOCK2
A_23_P201596	8,9215	8,91946	1,00141502	ENST00000528958	271	NM_004037	AMPD2
A_22_P00003001	1,52219	1,52019	1,001387256	N/A	100506409	NR_038962	ELOVL2-AS1
A_33_P3355474	1,65087	1,64887	1,001387256	N/A	N/A	N/A	N/A
A_23_P349343	1,50655	1,50455	1,001387256	ENST00000494223	130540	NM_139163	ALS2CR12
A_21_P0009026	1,51153	1,50954	1,001380315	N/A	N/A	N/A	Inc-ZNF423-1
A_21_P0013459	1,67986	1,67787	1,001380315	ENST00000416982	103724390	N/A	LINC01287
A_22_P00011131	1,5656	1,56361	1,001380315	N/A	N/A	N/A	Inc-NUPL1-1
A_21_P0003149	1,59751	1,59553	1,001373374	N/A	N/A	N/A	Inc-CBLB-7
A_21_P0008977	1,45065	1,44868	1,001366433	N/A	N/A	N/A	Inc-WWOX-3
A_32_P203066	1,45339	1,45142	1,001366433	ENST00000446495	N/A	DB090170	N/A
A_21_P0003650	1,49661	1,49465	1,001359492	N/A	N/A	N/A	Inc-SPRY1-3
A_21_P0003196	1,46817	1,46622	1,001352551	N/A	N/A	N/A	Inc-DCUN1D1-6
A_33_P3361292	1,4499	1,44796	1,00134561	N/A	150622	N/A	LINC01105
A_21_P0002729	1,58543	1,58349	1,00134561	ENST00000455626	101927829	N/A	LOC101927829
A_33_P3261947	1,4828	1,48087	1,001338669	ENST00000276467	54212	NM_018967	SNTG1
A_33_P3382944	9,63639	9,63446	1,001338669	ENST00000514277	374887	NM_198537	YJEFN3
A_21_P0010609	1,63637	1,63445	1,001331729	N/A	N/A	N/A	XLOC_I2_000894
A_33_P3325522	1,47075	1,46883	1,001331729	ENST00000379591	N/A	N/A	N/A
A_21_P0004191	1,50659	1,50468	1,001324788	ENST00000507236	N/A	N/A	N/A
A_22_P00025621	1,64434	1,64243	1,001324788	ENST00000514327	N/A	N/A	N/A
A_21_P0001402	1,50663	1,50472	1,001324788	ENST00000417409	N/A	N/A	N/A
A_21_P0009535	1,47772	1,47582	1,001317847	N/A	N/A	N/A	Inc-OSBPL1A-7
A_21_P0006104	1,52727	1,52538	1,001310907	ENST00000423637	101928748	N/A	LOC101928748
A_23_P361654	1,35269	1,3508	1,001310907	ENST00000492446	N/A	BC073764	N/A
A_22_P00022560	1,46889	1,46701	1,001303966	N/A	N/A	AK095133	Inc-MUSK-2

A_22_P00020342	1,46027	1,4584	1,001297026	ENST00000418518	N/A	N/A	N/A
A_21_P0011652	1,49988	1,49804	1,001276204	N/A	N/A	N/A	XLOC_I2_006398
A_24_P68031	1,53004	1,5282	1,001276204	ENST00000369285	55088	AK092620	CCDC186
A_21_P0006178	1,53509	1,53327	1,001262324	N/A	N/A	N/A	Inc-GADD45G-6
A_33_P3339148	1,64884	1,64702	1,001262324	ENST00000623863	N/A	BC130506	N/A
A_21_P0013241	1,52357	1,52175	1,001262324	N/A	N/A	N/A	XLOC_I2_013481
A_33_P3344039	6,79715	6,79533	1,001262324	ENST00000477218	11159	NM_007082	RABL2A
A_21_P0001437	1,52488	1,52308	1,001248444	N/A	N/A	N/A	Inc-KIAA1383-2
A_22_P00015856	1,45981	1,45801	1,001248444	ENST00000456755	N/A	BM551943	N/A
A_33_P3264246	1,39588	1,39408	1,001248444	N/A	N/A	AF119900	N/A
A_22_P00016878	1,35762	1,35583	1,001241503	N/A	N/A	N/A	Inc-TSC22D1-2
A_21_P0011505	1,68088	1,67909	1,001241503	ENST00000565421	N/A	N/A	N/A
A_22_P00011461	1,52159	1,51981	1,001234563	N/A	N/A	AK092105	Inc-PAPPA-AS1-1
A_22_P00002023	1,6528	1,65102	1,001234563	N/A	101928002	NR_110072	LOC101928002
A_22_P00000583	1,36541	1,36363	1,001234563	ENST00000567533	N/A	AK094924	N/A
A_33_P3404489	3,37778	3,37601	1,001227623	ENST00000358892	10046	NM_001177465	MAMLD1
A_22_P00008819	1,63075	1,62898	1,001227623	N/A	100506907	NR_103787	CCDC37-AS1
A_23_P67367	7,06194	7,06017	1,001227623	ENST00000520557	27294	NM_014475	DHDH
A_23_P112296	1,55856	1,5568	1,001220683	ENST00000393056	1621	NM_000787	DBH
A_21_P0013561	1,46144	1,45969	1,001213744	N/A	N/A	N/A	XLOC_I2_014757
A_21_P0002365	1,38574	1,384	1,001206804	N/A	N/A	N/A	Inc-MOGAT1-1
A_21_P0004427	1,66395	1,66222	1,001199864	N/A	N/A	N/A	Inc-GIN1-1
A_33_P33397081	1,45477	1,45304	1,001199864	N/A	N/A	N/A	N/A
A_22_P00010992	1,67631	1,67459	1,001192924	ENST00000416262	N/A	N/A	N/A
A_22_P00003518	1,47408	1,47237	1,001185984	ENST00000579438	N/A	BC039379	N/A
A_21_P0009818	1,57901	1,57732	1,001172105	N/A	101929707	XR_253948	LOC101929707
A_22_P00022739	1,58121	1,57952	1,001172105	ENST00000533329	N/A	N/A	N/A
A_22_P00018126	1,38027	1,37859	1,001165166	ENST00000418426	N/A	N/A	N/A
A_33_P3401482	1,58183	1,58015	1,001165166	N/A	N/A	AK125943	N/A
A_21_P0005337	1,59608	1,59441	1,001158226	ENST00000461145	401410	N/A	LOC401410
A_33_P3401068	1,67742	1,67575	1,001158226	N/A	N/A	N/A	N/A
A_21_P0003616	1,50755	1,50588	1,001158226	N/A	N/A	N/A	Inc-LPHN3-3
A_21_P0010067	1,49526	1,4936	1,001151287	N/A	N/A	N/A	Inc-SYCP2-2

A_33_P3231414	1,4489	1,44725	1,001144347	ENST00000421584	10859	NM_006669	LILRB1
A_22_P00019680	1,35561	1,35396	1,001144347	ENST00000546835	N/A	N/A	N/A
A_24_P290263	8,73183	8,73018	1,001144347	ENST00000423238	N/A	N/A	N/A
A_21_P0004467	1,39347	1,39183	1,001137408	N/A	N/A	N/A	Inc-KCNMB1-3
A_21_P0003772	1,52004	1,5184	1,001137408	N/A	101927414	XR_244724	LOC101927414
A_22_P00011591	1,38713	1,38552	1,00111659	N/A	N/A	N/A	Inc-PCDH9-2
A_22_P00007064	12,163	12,1614	1,001109651	N/A	100505938	NR_125740	LOC100505938
A_21_P0011985	1,47952	1,47792	1,001109651	ENST00000597051	101927687	TCONS_I2_00015067	LOC101927687
A_33_P3245908	1,51933	1,51773	1,001109651	ENST00000453436	170371	NM_001288743	C10orf128
A_21_P0002810	1,46565	1,46405	1,001109651	ENST00000464537	100505609	XR_108518	LOC100505609
A_33_P3280561	1,65341	1,65183	1,001095772	ENST00000391352	100505753	NM_001146182	KRTAP16-1
A_33_P3351624	1,45171	1,45014	1,001088833	ENST00000376301	53904	NM_017433	MYO3A
A_22_P00013365	1,44903	1,44749	1,001068017	ENST00000530177	N/A	N/A	N/A
A_22_P00011313	1,67713	1,67559	1,001068017	N/A	N/A	BF509012	Inc-OSBPL9-2
A_33_P3311073	1,5022	1,50067	1,001061078	ENST00000617330	3808	NM_012313	KIR2DS3
A_19_P00321562	1,45672	1,4552	1,001054139	ENST00000409974	285941	NM_001145531	C7orf71
A_33_P3266410	7,14176	7,14024	1,001054139	ENST00000322945	4150	NM_002383	MAZ
A_33_P3366296	1,59876	1,59726	1,001040261	N/A	387978	NR_026731	LINC01551
A_21_P0000584	4,10505	4,10355	1,001040261	ENST00000602301	100126299	NR_030583	VTRNA2-1
A_21_P0011531	1,63623	1,63473	1,001040261	ENST00000578881	N/A	N/A	N/A
A_21_P0014565	3,32731	3,32584	1,001019446	ENST00000552060	N/A	XR_111334	N/A
A_33_P3224735	1,46908	1,46761	1,001019446	ENST00000338957	340554	NM_001010888	ZC3H12B
A_33_P3373580	1,5159	1,51444	1,001012507	N/A	N/A	N/A	N/A
A_22_P00023487	1,47475	1,4733	1,001005569	ENST00000449215	N/A	N/A	N/A
A_21_P0010815	1,36098	1,35953	1,001005569	N/A	N/A	N/A	XLOC_I2_001548
A_21_P0002029	1,67537	1,67394	1,000991692	ENST00000432612	N/A	XR_425378	N/A
A_22_P00011605	1,49165	1,49023	1,000984754	N/A	N/A	N/A	Inc-PCLO-2
A_33_P3277527	1,46474	1,46333	1,000977815	ENST00000462567	10319	NM_006059	LAMC3
A_24_P24570	1,6809	1,67949	1,000977815	N/A	N/A	AF132206	N/A
A_23_P215461	10,7746	10,7732	1,000970877	ENST00000336180	3984	NM_002314	LIMK1
A_21_P0006874	1,49895	1,49755	1,000970877	N/A	N/A	N/A	Inc-BICC1-1
A_21_P0008093	1,51763	1,51623	1,000970877	N/A	N/A	N/A	Inc-NDFIP2-9
A_32_P126733	1,50724	1,50585	1,000963939	ENST00000261592	8715	NM_003787	NOL4

A_21_P0008940	1,47542	1,47404	1,000957001	N/A	N/A	N/A	Inc-RP11-327F22.5.1-7
A_21_P0003923	1,37799	1,37662	1,000950063	ENST00000565798	N/A	XR_241752	N/A
A_21_P0008698	1,68161	1,68025	1,000943125	N/A	N/A	N/A	Inc-ASB7-2
A_22_P00010093	1,45994	1,4586	1,000929249	N/A	N/A	N/A	Inc-MPZL1-1
A_22_P00023005	1,68183	1,6805	1,000922311	N/A	N/A	BM712886	Inc-IL5RA-6
A_33_P3787645	1,35252	1,35119	1,000922311	ENST00000457402	440602	NR_108042	LOC440602
A_21_P0003699	1,45719	1,45586	1,000922311	N/A	N/A	N/A	Inc-TRIML1-2
A_21_P0000471	1,69502	1,69369	1,000922311	N/A	100113402	NR_037420	SNORD111B
A_21_P0008080	1,49959	1,49827	1,000915373	ENST00000428761	100885781	NR_047699	LINC00348
A_21_P0002070	1,45264	1,45132	1,000915373	ENST00000455845	N/A	N/A	N/A
A_21_P0009092	1,49827	1,49696	1,000908435	ENST00000570769	1773	N/A	DNASE1
A_22_P00012555	1,65681	1,6555	1,000908435	ENST00000507027	102467077	N/A	LINC00603
A_23_P55251	13,6132	13,6119	1,000901497	ENST00000505306	3675	NM_002204	ITGA3
A_21_P0003193	1,67882	1,67752	1,000901497	N/A	N/A	N/A	Inc-DNAJC19-2
A_22_P00002825	1,68538	1,68408	1,000901497	N/A	150538	NR_026830	SATB2-AS1
A_33_P3251412	1,65572	1,65444	1,000887622	N/A	N/A	N/A	N/A
A_22_P00016570	1,6345	1,63324	1,000873747	N/A	N/A	N/A	Inc-TNFRSF17-3
A_33_P3290249	1,58683	1,58559	1,000859872	ENST00000366476	127059	NM_001004690	OR2M5
A_22_P00000919	1,66029	1,65906	1,000852935	N/A	N/A	BC033051	Inc-AKAP10-1
A_33_P3237507	1,45181	1,45059	1,000845997	ENST00000531445	389197	XM_003118524	C4orf50
A_33_P3397670	1,55969	1,55847	1,000845997	ENST00000333235	114758	NR_001554	CSPG4P1Y
A_21_P0003816	1,4716	1,47039	1,00083906	N/A	N/A	N/A	Inc-ACSL1-2
A_24_P115971	10,0962	10,095	1,000832123	ENST00000526557	60626	NM_021932	RIC8A
A_33_P3358957	7,75771	7,75652	1,000825185	ENST00000331256	390928	NM_001004318	PAPL
A_21_P0003125	1,60099	1,5998	1,000825185	N/A	N/A	N/A	Inc-MAGI1-1
A_22_P00008936	1,63491	1,63374	1,000811311	ENST00000551332	283403	NM_001242696	C12orf80
A_22_P00015810	1,59152	1,59035	1,000811311	ENST00000442389	N/A	N/A	N/A
A_22_P00015967	5,85721	5,85606	1,000797437	N/A	N/A	N/A	Inc-TEFM-5
A_21_P0009090	1,50004	1,49889	1,000797437	N/A	N/A	N/A	Inc-CA5A-3
A_22_P00021409	1,35597	1,35482	1,000797437	N/A	100873983	NR_046575	MAGI1-AS1
A_21_P0004362	1,44845	1,4473	1,000797437	ENST00000504765	N/A	AK097766	N/A
A_22_P00023578	1,50149	1,50034	1,000797437	N/A	N/A	DB057760	Inc-FGG-1
A_33_P3390637	4,89296	4,89183	1,000783563	ENST00000421779	151295	NM_144712	SLC23A3

A_22_P00003490	1,5005	1,49937	1,000783563	ENST00000555875	N/A	N/A	N/A
A_21_P0005149	1,63581	1,63469	1,000776626	N/A	N/A	N/A	Inc-EXOC2-5
A_22_P00001191	1,45054	1,44942	1,000776626	N/A	N/A	AK092072	Inc-ANGPTL2-3
A_22_P00007756	1,39111	1,38999	1,000776626	N/A	N/A	N/A	Inc-HMGB4-1
A_33_P3408232	1,43753	1,43642	1,000769689	ENST00000561890	100507679	NM_001198815	MUC22
A_22_P00009469	1,52189	1,52078	1,000769689	ENST00000428495	101927098	XR_425242	LOC101927098
A_21_P0012830	1,50317	1,50206	1,000769689	N/A	N/A	N/A	XLOC_I2_011604
A_23_P77714	10,525	10,5239	1,000762753	ENST00000572600	23059	NM_024793	CLUAP1
A_32_P200608	1,6873	1,6862	1,000762753	ENST00000432733	151300	N/A	LINC00608
A_33_P3303305	1,4461	1,44501	1,000755816	ENST00000400454	1826	NM_001271534	DSCAM
A_22_P00013306	1,65709	1,65601	1,000748879	ENST00000519008	497634	NR_027013	LINC00293
A_32_P174164	1,46422	1,46314	1,000748879	N/A	441601	N/A	LOC441601
A_21_P0002872	1,5827	1,58162	1,000748879	ENST00000474711	N/A	N/A	N/A
A_33_P3420545	1,5027	1,50163	1,000741943	ENST00000297404	27012	NM_014379	KCNV1
A_21_P0003843	1,4836	1,48253	1,000741943	ENST00000504132	N/A	N/A	N/A
A_22_P00015505	3,27986	3,2788	1,000735006	ENST00000419640	N/A	BF681027	N/A
A_24_P133253	9,65993	9,65887	1,000735006	ENST00000378535	4254	NM_000899	KITLG
A_33_P3351416	1,40022	1,39917	1,000728069	ENST00000392100	64094	NM_022138	SMOC2
A_22_P00019831	1,44812	1,44708	1,000721133	ENST00000366424	101927137	N/A	LOC101927137
A_33_P3252730	1,65497	1,65393	1,000721133	N/A	388507	NR_027049	ZNF788
A_21_P0007219	5,67522	5,67419	1,000714197	N/A	N/A	N/A	Inc-AP000769.1-1
A_23_P325040	8,50345	8,50242	1,000714197	ENST00000266732	7112	NM_003276	TMPO
A_33_P3410053	1,50309	1,50208	1,000700324	N/A	N/A	N/A	N/A
A_22_P00005659	1,60282	1,60181	1,000700324	ENST00000544591	101060038	XR_424318	LOC101060038
A_33_P3331916	1,45496	1,45396	1,000693387	ENST00000440633	440132	N/A	LINC00545
A_24_P182281	8,16135	8,16036	1,000686451	ENST00000531950	11147	NM_001036646	HHLA3
A_21_P0008243	1,503	1,50202	1,000679515	N/A	N/A	N/A	Inc-DAOA-5
A_21_P0004835	1,42622	1,42525	1,000672579	N/A	N/A	N/A	Inc-BMP6-10
A_21_P0006983	1,47743	1,47647	1,000665643	ENST00000609683	220929	N/A	ZNF438
A_22_P00001276	7,92417	7,92322	1,000658707	N/A	N/A	N/A	Inc-ANKRD6-1
A_33_P3345409	1,66185	1,6609	1,000658707	N/A	N/A	N/A	N/A
A_24_P6125	1,37296	1,37202	1,000651771	ENST00000303592	3761	NM_152868	KCNJ4
A_22_P00004971	1,48219	1,48125	1,000651771	N/A	100873973	NR_046536	GPC6-AS2



A_21_P0000016	1,52028	1,51936	1,000637899	ENST00000550829	140807	NM_001146225	KRT72
A_33_P3422951	1,5359	1,53499	1,000630963	ENST00000602588	1768	BC015442	DNAH6
A_33_P3276053	3,38475	3,38384	1,000630963	N/A	8994	BU428864	LIMD1
A_21_P0002194	1,65864	1,65773	1,000630963	N/A	N/A	N/A	Inc-LCLAT1-2
A_22_P00024417	1,35389	1,35298	1,000630963	N/A	N/A	N/A	Inc-UBLCP1-7
A_33_P3275878	1,647	1,6461	1,000624027	ENST00000393822	6439	NM_000542	SFTPB
A_22_P00008309	4,27716	4,27628	1,000610156	N/A	100996301	NR_121636	FOXD3-AS1
A_32_P352743	1,5845	1,58362	1,000610156	ENST00000369630	284467	NM_001004440	FAM19A3
A_22_P00020617	1,4964	1,49553	1,00060322	N/A	N/A	N/A	Inc-ZFC3H1-5
A_22_P00023866	1,45815	1,45729	1,000596284	N/A	104326189	N/A	LMO7DN-IT1
A_33_P3378945	1,67459	1,67373	1,000596284	ENST00000623604	N/A	N/A	N/A
A_22_P00010575	1,49398	1,49313	1,000589349	N/A	N/A	N/A	Inc-NDFIP2-11
A_23_P324304	1,67078	1,66994	1,000582413	ENST00000618119	238	NM_004304	ALK
A_22_P00012369	6,61934	6,6185	1,000582413	ENST00000544947	N/A	N/A	N/A
A_22_P00013573	1,70813	1,70731	1,000568542	ENST00000561802	N/A	AK130058	N/A
A_22_P00007796	1,6886	1,68779	1,000561607	N/A	N/A	N/A	Inc-HOGA1-1
A_22_P00020574	1,58791	1,5871	1,000561607	N/A	N/A	N/A	Inc-SLC7A1-2
A_33_P3387062	1,47658	1,47577	1,000561607	ENST00000449657	N/A	N/A	N/A
A_21_P0009944	1,46645	1,46565	1,000554672	N/A	N/A	N/A	Inc-SSTR4-6
A_23_P85039	1,69506	1,69426	1,000554672	ENST00000372129	8471	NM_003604	IRS4
A_33_P3342722	1,4799	1,47911	1,000547736	ENST00000397929	81832	NM_138999	NETO1
A_22_P00003740	1,48515	1,48437	1,000540801	ENST00000565257	N/A	BC037818	N/A
A_21_P0002428	1,40981	1,40905	1,000526931	ENST00000423797	9167	N/A	COX7A2L
A_33_P3354836	1,50283	1,50207	1,000526931	ENST00000314612	81300	NM_001004124	OR4P4
A_33_P3229147	1,53915	1,53839	1,000526931	N/A	N/A	N/A	Inc-USP35-5
A_21_P0013167	1,70123	1,70047	1,000526931	N/A	N/A	N/A	XLOC_I2_013252
A_33_P3438072	1,47722	1,47648	1,00051306	ENST00000520390	157273	NR_040039	LOC157273
A_22_P00025518	1,67878	1,67805	1,000506125	ENST00000514926	441374	NR_033962	FLJ42969
A_21_P0008192	1,71393	1,7132	1,000506125	N/A	N/A	N/A	Inc-SLITRK6-6
A_24_P224966	3,65341	3,65268	1,000506125	ENST00000619181	1188	NM_000085	CLCNKB
A_24_P16184	1,45646	1,45575	1,000492256	ENST00000442999	127550	NM_001080438	A3GALT2
A_33_P3374563	9,98716	9,98645	1,000492256	ENST00000045347	55812	NM_018418	SPATA7
A_22_P00005664	1,46975	1,46905	1,000485321	ENST00000443103	N/A	N/A	N/A

A_32_P150142	2,38792	2,38722	1,000485321	ENST00000566570	222029	NR_026929	DKFZp434L192
A_21_P0005956	1,35301	1,35232	1,000478386	N/A	N/A	N/A	Inc-CHRAC1-1
A_24_P330263	1,61398	1,6133	1,000471451	ENST00000334286	1910	NM_003991	EDNRB
A_24_P230026	1,41565	1,415	1,000450647	ENST00000498728	255926	NR_001448	ADAM5
A_33_P3269570	1,45374	1,45312	1,000429844	N/A	11126	XM_005272929	CD160
A_23_P347029	2,6845	2,68388	1,000429844	ENST00000506868	259296	NM_176890	TAS2R50
A_21_P0008278	1,54234	1,54173	1,000422909	ENST00000555539	100506498	XR_110222	LOC100506498
A_22_P00011017	1,65252	1,65191	1,000422909	N/A	N/A	N/A	Inc-NSUN6-6
A_33_P3780983	1,4923	1,4917	1,000415975	ENST00000538474	142680	NM_001177317	SLC34A3
A_23_P154411	10,7564	10,7558	1,000415975	ENST00000448752	9360	NM_004792	PPIG
A_23_P385835	1,56546	1,56488	1,000402106	ENST00000304411	2850	NM_018971	GPR27
A_22_P00015843	1,6275	1,62692	1,000402106	N/A	N/A	N/A	Inc-TBCD-2
A_33_P3289338	1,62485	1,62427	1,000402106	N/A	100131346	AK127606	LOC100131346
A_21_P0000312	4,6901	4,68954	1,000388238	N/A	677802	NR_002956	SNORA14B
A_33_P3305254	7,20337	7,20284	1,000367435	ENST00000373904	5711	NM_005047	PSMD5
A_19_P00318638	1,50356	1,50304	1,000360501	ENST00000423530	646324	N/A	LINC00607
A_22_P00021364	1,6469	1,64638	1,000360501	N/A	N/A	N/A	Inc-YRDC-1
A_24_P112941	1,45517	1,45467	1,000346634	ENST00000561030	84894	NM_032808	LINGO1
A_32_P109876	1,66257	1,66207	1,000346634	ENST00000333891	27445	NM_033026	PCLO
A_23_P301995	6,67889	6,6784	1,0003397	ENST00000328205	286826	NM_173083	LIN9
A_22_P00022804	1,51231	1,51183	1,000332766	ENST00000413941	N/A	N/A	N/A
A_22_P00023409	1,50924	1,50876	1,000332766	ENST00000420186	N/A	N/A	N/A
A_33_P3331711	6,18255	6,18208	1,000325832	N/A	100130463	AK124300	LOC100130463
A_33_P3372199	1,63844	1,63797	1,000325832	ENST00000569677	N/A	N/A	N/A
A_33_P3295278	1,68661	1,68615	1,000318899	ENST00000371759	284546	NM_001136508	C1orf185
A_33_P3274647	1,654	1,65354	1,000318899	ENST00000351010	815	NM_015981	CAMK2A
A_23_P418562	1,68492	1,68446	1,000318899	ENST00000254488	6538	NM_014229	SLC6A11
A_21_P0012318	4,83726	4,83681	1,000311965	ENST00000449711	101929374	N/A	LOC101929374
A_22_P00017595	1,50965	1,5092	1,000311965	ENST00000558920	N/A	BF214562	N/A
A_22_P00005832	1,43234	1,43191	1,000298098	ENST00000576600	N/A	N/A	N/A
A_23_P147641	9,8725	9,87208	1,000291164	ENST00000440819	6919	NM_003195	TCEA2
A_33_P3354191	1,6	1,59958	1,000291164	ENST00000534504	N/A	N/A	N/A
A_33_P3376131	1,50181	1,5014	1,000284231	ENST00000327581	284958	XM_001716359	NT5DC4

A_21_P0005854	1,45789	1,45748	1,000284231	ENST00000524286	100505718	NR_039986	LOC100505718
A_22_P00022971	1,38944	1,38904	1,000277297	ENST00000554318	N/A	DB444431	N/A
A_23_P8848	11,4492	11,4488	1,000277297	ENST00000523303	55756	NM_018250	INTS9
A_24_P583225	7,27919	7,27881	1,000263431	ENST00000448955	349114	NR_026999	LINC00265
A_33_P3334220	1,6439	1,64353	1,000256497	ENST00000377848	32	NM_001093	ACACB
A_33_P3304748	7,02299	7,02262	1,000256497	N/A	N/A	N/A	N/A
A_23_P100455	8,18225	8,18189	1,000249564	ENST00000625049	64779	NM_022764	MTHFSD
A_22_P00023264	1,59446	1,5941	1,000249564	N/A	N/A	N/A	Inc-EHD3-2
A_24_P237443	1,59911	1,59876	1,000242631	ENST00000356892	54440	NM_018990	SASH3
A_21_P0001881	1,49708	1,49675	1,000228765	N/A	N/A	N/A	Inc-MRPL19-2
A_22_P00012257	1,65068	1,65035	1,000228765	N/A	N/A	N/A	Inc-PPP1R1A-2
A_22_P00023216	6,44525	6,44493	1,000221832	ENST00000453087	N/A	N/A	N/A
A_32_P157481	6,93633	6,93602	1,000214899	ENST00000311895	2072	NM_005236	ERCC4
A_33_P3230876	10,3855	10,3852	1,000207966	ENST00000521508	440138	NM_001004127	ALG11
A_23_P376661	10,2051	10,2048	1,000207966	ENST00000492411	4817	NM_005600	NIT1
A_22_P00003439	1,5152	1,51493	1,000187167	N/A	N/A	DB454575	Inc-CCDC38-1
A_33_P3259339	1,48775	1,4875	1,000173302	ENST00000353414	1301	NM_080629	COL11A1
A_21_P0010074	3,2698	3,26955	1,000173302	N/A	N/A	N/A	Inc-KCNQ2-2
A_22_P00003433	1,39857	1,39834	1,000159437	ENST00000511512	N/A	XR_171034	N/A
A_33_P3346766	1,47534	1,47512	1,000152504	ENST00000457664	10941	NM_001252274	UGT2A1
A_33_P3334908	3,7946	3,79439	1,000145572	ENST00000334651	207063	NM_145177	DHRX
A_33_P3358844	1,41709	1,41688	1,000145572	ENST00000417823	N/A	N/A	N/A
A_22_P00011239	2,68004	2,67985	1,000131707	N/A	102724446	XR_425121	LOC102724446
A_22_P00010677	3,88972	3,88955	1,000117842	N/A	N/A	N/A	Inc-NEURL4-1
A_33_P3352467	1,55506	1,55491	1,000103977	ENST00000357585	6752	NM_001050	SSTR2
A_21_P0012215	1,60008	1,59993	1,000103977	ENST00000427022	N/A	N/A	N/A
A_21_P0001277	1,45169	1,45156	1,000090113	N/A	N/A	N/A	Inc-PTPRU-2
A_21_P0002157	1,64134	1,64121	1,000090113	N/A	N/A	N/A	Inc-SNTG2-3
A_22_P00012353	1,40372	1,4036	1,000083181	N/A	N/A	N/A	Inc-PRDX3-1
A_22_P00008549	1,51216	1,51204	1,000083181	ENST00000436078	102724550	NR_110826	LOC102724550
A_21_P0008928	1,37828	1,37821	1,000048521	N/A	N/A	N/A	Inc-LONP2-2
A_33_P3245907	1,5199	1,51983	1,000048521	N/A	N/A	N/A	N/A
A_21_P0006836	1,65612	1,65606	1,00004159	N/A	N/A	N/A	Inc-MCM10-1

A_21_P0007334	1,52852	1,52846	1,00004159	ENST00000444572	N/A	N/A	N/A
A_21_P0004374	1,45968	1,45963	1,000034658	N/A	N/A	N/A	Inc-DROSHA-6
A_22_P00005535	1,70168	1,70163	1,000034658	ENST00000567491	100287216	NR_029193	SH3RF3-AS1
A_21_P0008026	1,44774	1,4477	1,000027726	N/A	N/A	N/A	Inc-MRP63-1
A_21_P0009691	1,48577	1,48574	1,000020795	ENST00000622720	N/A	N/A	N/A
A_22_P00017862	1,36817	1,36814	1,000020795	ENST00000551082	N/A	N/A	N/A
A_23_P68007	16,2105	16,2105	1	ENST00000466678	483	NM_001679	ATP1B3
A_33_P3365611	5,85329	5,85329	1	ENST00000313334	91408	NM_152265	BTF3L4
A_23_P202881	7,52252	7,52252	1	ENST00000528863	9638	NM_005103	FEZ1
A_33_P3342628	16,9595	16,9595	1	ENST00000304952	57801	NM_021170	HES4
A_22_P00010679	3,97328	3,97328	1	N/A	N/A	BC042638	Inc-NEUROD1-2
A_21_P0009588	1,45086	1,45086	1	N/A	N/A	N/A	Inc-ZNF516-5
A_22_P00015838	1,37324	1,37324	1	N/A	101927142	NR_110213	LOC101927142
A_33_P3289541	9,10917	9,10917	1	ENST00000252674	4298	NM_005934	MLLT1
A_22_P00022352	1,40649	1,40649	1	ENST00000444926	N/A	N/A	N/A
A_22_P00025325	1,55863	1,55863	1	ENST00000557770	N/A	N/A	N/A
A_33_P3244269	3,86648	3,86648	1	N/A	N/A	N/A	N/A
A_33_P3250767	7,63119	7,63119	1	N/A	N/A	N/A	N/A
A_33_P3308158	9,02307	9,02307	1	ENST00000519878	N/A	N/A	N/A
A_33_P3384997	17,1791	17,1791	1	ENST00000456044	N/A	N/A	N/A
A_33_P3827416	17,1684	17,1684	1	N/A	N/A	AK024156	N/A
A_33_P3413053	11,8918	11,8918	1	ENST00000283027	4682	NM_002484	NUBP1
A_23_P59099	6,25581	6,25581	1	ENST00000377149	26531	NM_013937	OR11A1
A_33_P3280066	16,9491	16,9491	1	ENST00000357037	284119	NM_012232	PTRF
A_21_P0005985	9,54021	9,54021	1	N/A	441394	NR_003667	SUGT1P1
A_32_P101301	13,5755	13,5755	1	ENST00000459775	10713	NM_006590	USP39
A_23_P25224	14,6681	14,6681	1	ENST00000366286	8531	NM_003651	YBX3
A_32_P194779	8,61135	8,61135	1	ENST00000373452	403341	NM_001099270	ZBTB34
A_21_P0006751	1,35298	1,35306	-1,000055453	ENST00000419406	102724264	XR_424115	LOC102724264
A_21_P0005400	1,65492	1,65501	-1,000062385	N/A	N/A	N/A	Inc-COL1A2-1
A_23_P18751	1,65849	1,65859	-1,000069317	ENST00000510647	28983	NM_014058	TMPRSS11E
A_22_P00003231	1,5203	1,52042	-1,000083181	ENST00000544663	N/A	N/A	N/A
A_22_P00007802	1,66564	1,66577	-1,000090113	N/A	N/A	N/A	Inc-HORMAD2-1

A_22_P00008435	1,44778	1,44794	-1,00011091	N/A	729220	NM_001242791	FLJ45513
A_21_P0003080	1,47446	1,47462	-1,00011091	N/A	N/A	N/A	Inc-PYDC2-2
A_21_P0005696	1,35524	1,3554	-1,00011091	N/A	N/A	N/A	Inc-SOX17-1
A_21_P0000879	1,64394	1,6441	-1,00011091	ENST00000563763	339166	N/A	LOC339166
A_23_P169097	1,57941	1,57959	-1,000124774	ENST00000220856	8840	NM_080838	WISP1
A_23_P207456	1,58524	1,58543	-1,000131707	ENST00000394620	6355	NM_005623	CCL8
A_21_P0004933	1,4229	1,42309	-1,000131707	N/A	N/A	N/A	Inc-GJA1-3
A_24_P940897	1,5818	1,58199	-1,000131707	ENST00000377136	26716	NM_030883	OR2H1
A_23_P30547	1,46004	1,46023	-1,000131707	ENST00000520322	3937	NM_005565	LCP2
A_21_P0010411	1,49886	1,49905	-1,000131707	N/A	N/A	N/A	Inc-ISX-2
A_22_P00000234	1,49779	1,49799	-1,000138639	N/A	100506025	NR_038947	ISPD-AS1
A_23_P256754	1,35406	1,35427	-1,000145572	ENST00000611484	2569	NM_002042	GABRR1
A_22_P00002042	1,53492	1,53514	-1,000152504	N/A	100506451	NR_038228	RASSF8-AS1
A_22_P00007161	3,95833	3,95856	-1,000159437	N/A	N/A	BG572799	Inc-GNG11-1
A_21_P0013722	1,52326	1,52349	-1,000159437	ENST00000618030	N/A	N/A	N/A
A_33_P3407751	1,50605	1,50628	-1,000159437	N/A	N/A	AK126029	N/A
A_22_P00021383	1,65065	1,65089	-1,000166369	N/A	N/A	N/A	Inc-SLC38A8-5
A_22_P00016970	1,65627	1,65654	-1,000187167	N/A	N/A	N/A	Inc-TSTD2-2
A_32_P1445	10,1577	10,158	-1,000207966	ENST00000423212	5771	NM_080423	PTPN2
A_33_P3326225	10,9854	10,9857	-1,000207966	ENST00000409003	401474	NM_001101676	SAMD12
A_19_P00813192	1,48124	1,48154	-1,000207966	ENST00000534659	643733	N/A	LOC643733
A_33_P3257020	1,35696	1,35726	-1,000207966	N/A	100131691	NR_027334	MZF1-AS1
A_33_P3266140	1,50045	1,50076	-1,000214899	N/A	N/A	N/A	N/A
A_22_P00016447	1,49553	1,49585	-1,000221832	N/A	101928098	XR_246374	LOC101928098
A_23_P255076	7,32159	7,32191	-1,000221832	ENST00000369724	112611	NM_033411	RWDD2A
A_24_P372553	8,44786	8,44819	-1,000228765	ENST00000419769	26098	NM_015608	EDRF1
A_21_P0002700	1,67765	1,67799	-1,000235698	ENST00000427914	253573	NR_033844	LOC253573
A_33_P3309792	1,51121	1,51155	-1,000235698	ENST00000442013	N/A	N/A	N/A
A_32_P810645	1,6428	1,64315	-1,000242631	ENST00000332558	286023	NR_046323	FLJ40288
A_21_P0005429	1,49871	1,49909	-1,000263431	N/A	N/A	N/A	Inc-CPA1-1
A_23_P156890	1,49889	1,49927	-1,000263431	ENST00000237316	6943	NM_003206	TCF21
A_22_P00025468	1,39088	1,39127	-1,000270364	N/A	N/A	N/A	Inc-WDFY4-2
A_24_P99071	10,1316	10,132	-1,000277297	ENST00000468620	3843	NM_002271	IPO5

A_33_P3368369	1,67331	1,67371	-1,000277297	ENST00000442459	27129	AL832181	HSPB7
A_22_P00015551	1,58311	1,58351	-1,000277297	ENST00000519983	N/A	N/A	N/A
A_21_P0007444	1,80495	1,80537	-1,000291164	ENST00000577699	N/A	N/A	N/A
A_33_P3299535	1,70988	1,7103	-1,000291164	ENST00000318184	341350	NM_183378	OVCH1
A_21_P0012029	1,64833	1,64875	-1,000291164	ENST00000599072	401014	N/A	TEX41
A_21_P0003915	1,41324	1,41367	-1,000298098	ENST00000610683	102723766	NR_125934	LOC102723766
A_33_P3387450	1,66373	1,66416	-1,000298098	N/A	N/A	AF130116	N/A
A_22_P00022435	1,59032	1,59076	-1,000305031	N/A	N/A	N/A	Inc-CD38-1
A_21_P0005471	1,4984	1,49884	-1,000305031	N/A	N/A	N/A	Inc-VWDE-3
A_21_P0004454	1,65293	1,6534	-1,000325832	N/A	N/A	N/A	Inc-PRELID2-1
A_21_P0003552	1,40197	1,40244	-1,000325832	ENST00000514297	N/A	XR_249719	N/A
A_33_P3370634	9,12389	9,12436	-1,000325832	ENST00000557659	10175	XR_245653	CNIH1
A_22_P00007799	1,64631	1,64679	-1,000332766	N/A	N/A	N/A	Inc-HOOK1-1
A_23_P165042	1,49322	1,49371	-1,0003397	ENST00000597791	100129935	NR_026870	LOC100129935
A_21_P0008265	1,61231	1,6128	-1,0003397	ENST00000569854	N/A	N/A	N/A
A_33_P3316544	1,64465	1,64516	-1,000353568	ENST00000464300	165631	NM_001113523	PARP15
A_33_P3216803	2,92088	2,92139	-1,000353568	N/A	N/A	CU691765	N/A
A_24_P205045	1,41497	1,4155	-1,000367435	ENST00000486496	26059	NM_015576	ERC2
A_33_P3254912	1,80278	1,80333	-1,000381304	ENST00000284287	390275	NM_001005194	OR8A1
A_21_P0005418	1,59229	1,59286	-1,000395172	N/A	N/A	N/A	Inc-C7orf53-2
A_22_P00003559	1,51794	1,51851	-1,000395172	N/A	N/A	N/A	Inc-CCRN4L-5
A_21_P0006311	1,54128	1,54186	-1,000402106	N/A	N/A	N/A	Inc-C9orf80-1
A_33_P3376239	11,1556	11,1562	-1,000415975	ENST00000257745	55904	NM_182931	KMT2E
A_33_P3413895	1,51134	1,51194	-1,000415975	N/A	94158	NR_003261	CDRT15P1
A_23_P120146	8,93174	8,93235	-1,000422909	ENST00000258449	9392	NM_004257	TGFBRAP1
A_22_P00006841	1,45255	1,45317	-1,000429844	N/A	N/A	N/A	Inc-GADD45B-1
A_22_P00018444	1,58189	1,58251	-1,000429844	ENST00000512464	N/A	N/A	N/A
A_21_P0006568	1,64768	1,6483	-1,000429844	N/A	N/A	N/A	Inc-PLP1-1
A_23_P4628	1,56482	1,56546	-1,000443713	ENST00000341164	80095	NM_025027	ZNF606
A_23_P215517	9,24155	9,24222	-1,000464516	ENST00000479700	55975	NM_001172428	KLHL7
A_23_P4096	1,51726	1,51794	-1,000471451	ENST00000300900	762	NM_000717	CA4
A_22_P00022715	1,66156	1,66226	-1,000485321	N/A	102724955	XR_425460	LOC102724955
A_22_P00017745	1,64098	1,64169	-1,000492256	ENST00000582921	N/A	AK095723	N/A

A_22_P00011857	1,4757	1,47642	-1,000499191	N/A	100507071	XR_110863	LOC100507071
A_24_P165545	2,55771	2,55844	-1,000506125	ENST00000379289	254173	NM_153254	TTL10
A_33_P3288431	1,48359	1,48432	-1,000506125	ENST00000551163	160419	NM_152589	C12orf50
A_21_P0010635	7,32238	7,32312	-1,00051306	ENST00000424711	101928079	NR_104131	LINC01057
A_22_P00013302	1,5974	1,59814	-1,00051306	ENST00000569883	N/A	AF131786	N/A
A_33_P3259693	1,57	1,57074	-1,00051306	ENST00000334632	128366	NM_001160325	OR6P1
A_21_P0003600	1,58094	1,58169	-1,000519996	N/A	N/A	N/A	Inc-TBC1D1-1
A_33_P3332627	8,7349	8,73568	-1,000540801	ENST00000417412	N/A	N/A	N/A
A_33_P3258602	1,64076	1,64156	-1,000554672	ENST00000302581	390190	NM_001005566	OR5B2
A_23_P208085	1,47012	1,47093	-1,000561607	ENST00000483025	4155	NM_001025101	MBP
A_21_P0009311	1,51801	1,51883	-1,000568542	N/A	N/A	N/A	Inc-ACCN1-1
A_33_P3407564	5,48223	5,48306	-1,000575478	N/A	N/A	N/A	N/A
A_21_P0005582	1,66337	1,6642	-1,000575478	N/A	N/A	N/A	Inc-ARHGEF5-2
A_33_P3413114	1,64489	1,64574	-1,000589349	ENST00000327883	92949	NM_052866	ADAMTSL1
A_22_P00017774	1,37298	1,37383	-1,000589349	N/A	N/A	N/A	Inc-YY1AP1-1
A_33_P3322373	7,24112	7,24197	-1,000589349	ENST00000372038	26301	NM_001282632	GBGT1
A_21_P0011204	1,48766	1,48852	-1,000596284	ENST00000605100	121952	N/A	METTL21EP
A_33_P3420327	1,47136	1,47223	-1,00060322	N/A	85495	CA413366	RPPH1
A_22_P00010859	6,10448	6,10536	-1,000610156	N/A	N/A	BC064338	Inc-NOTCH2-1
A_21_P0011325	1,45581	1,45669	-1,000610156	N/A	N/A	N/A	XLOC_I2_004647
A_21_P0001045	1,49515	1,49604	-1,000617091	N/A	N/A	N/A	Inc-CDC73-2
A_33_P3423859	10,7393	10,7402	-1,000624027	ENST00000370996	5509	NM_006242	PPP1R3D
A_33_P3333992	5,31536	5,31627	-1,000630963	N/A	100132495	AK127414	LOC100132495
A_21_P0012774	1,51523	1,51615	-1,000637899	ENST00000515128	N/A	N/A	N/A
A_33_P3353525	1,4869	1,48782	-1,000637899	ENST00000404622	5055	N/A	SERPINB2
A_21_P0014416	1,35869	1,35961	-1,000637899	N/A	N/A	XR_109685	N/A
A_21_P0009894	1,36487	1,3658	-1,000644835	ENST00000453921	N/A	N/A	N/A
A_24_P37264	1,35427	1,3552	-1,000644835	ENST00000320892	9781	NM_014746	RNF144A
A_22_P00007441	1,44659	1,44753	-1,000651771	N/A	100874374	NR_046840	ARHGEF38-IT1
A_23_P391711	1,39927	1,40022	-1,000658707	ENST00000274024	2169	NM_000134	FABP2
A_23_P41514	1,49499	1,49595	-1,000665643	ENST00000296513	132612	NM_139243	ADAD1
A_22_P00023575	1,44999	1,45095	-1,000665643	ENST00000557547	N/A	DA576409	N/A
A_22_P00015110	1,51113	1,51211	-1,000679515	ENST00000522776	N/A	DA218095	N/A

A_22_P00020623	4,23785	4,23883	-1,000679515	N/A	N/A	N/A	Inc-HYI-1
A_22_P00015221	1,64373	1,64472	-1,000686451	N/A	N/A	DB052738	Inc-SP110-1
A_21_P0000569	1,5053	1,5063	-1,000693387	N/A	100303749	NR_028474	LOC100303749
A_23_P53018	7,31869	7,3197	-1,000700324	ENST00000301790	117245	NM_054108	HRASLS5
A_33_P3215527	1,4481	1,44911	-1,000700324	N/A	N/A	N/A	N/A
A_22_P00008874	1,70728	1,7083	-1,00070726	N/A	727915	NR_046012	AGBL1-AS1
A_22_P00022919	1,6442	1,64522	-1,00070726	ENST00000511514	N/A	N/A	N/A
A_21_P0002542	1,64579	1,64681	-1,00070726	N/A	N/A	N/A	Inc-TNP1-5
A_33_P3217432	1,41785	1,41888	-1,000714197	ENST00000375849	23341	BX648982	DNAJC16
A_33_P3793707	1,59465	1,59568	-1,000714197	N/A	157381	BC033393	LINC00964
A_22_P00012086	1,51705	1,51808	-1,000714197	ENST00000564485	N/A	XR_133117	N/A
A_24_P203134	1,56621	1,56725	-1,000721133	ENST00000371126	139170	NM_178470	DCAF12L1
A_22_P00009141	1,59122	1,59229	-1,000741943	N/A	N/A	DB028748	Inc-LIPG-2
A_33_P3263497	3,27965	3,28072	-1,000741943	ENST00000401884	25992	AL833363	SNED1
A_23_P159952	1,35232	1,35339	-1,000741943	ENST00000372728	55859	NM_018476	BEX1
A_33_P3278749	1,51307	1,51414	-1,000741943	N/A	N/A	AK128181	Inc-BCL9L-1
A_22_P00025017	1,49492	1,49599	-1,000741943	ENST00000438818	101929535	XR_242017	LOC101929535
A_23_P380990	1,561	1,56209	-1,000755816	ENST00000272367	165530	NM_173535	CLEC4F
A_22_P00004693	3,79134	3,79243	-1,000755816	N/A	N/A	DA625993	nc-CTD-2517M22.14.1-
A_23_P15889	1,66497	1,66607	-1,000762753	ENST00000581425	147381	NM_182511	CBLN2
A_22_P00009932	1,53906	1,54016	-1,000762753	ENST00000527997	N/A	N/A	N/A
A_33_P3645805	14,1877	14,1888	-1,000762753	N/A	N/A	AK021797	N/A
A_33_P3285024	10,3745	10,3756	-1,000762753	ENST00000343666	94107	NM_053045	TMEM203
A_33_P3412087	1,39521	1,39632	-1,000769689	ENST00000239374	80129	NM_025059	CCDC170
A_22_P00006915	1,44789	1,44901	-1,000776626	ENST00000562710	100861555	NR_047495	LINC00565
A_21_P0003579	9,70128	9,7024	-1,000776626	N/A	N/A	N/A	Inc-CPEB2-5
A_21_P0005930	1,65835	1,65947	-1,000776626	ENST00000523852	N/A	N/A	N/A
A_21_P0012652	1,54437	1,5455	-1,000783563	N/A	N/A	N/A	XLOC_I2_011033
A_22_P00008014	1,59633	1,59747	-1,0007905	N/A	N/A	N/A	Inc-IFT140-1
A_33_P3301485	1,45827	1,45942	-1,000797437	ENST00000491295	26088	N/A	GGA1
A_22_P00000179	1,64617	1,64732	-1,000797437	N/A	N/A	N/A	Inc-ABHD12B-1
A_22_P00002241	4,80933	4,81049	-1,000804374	ENST00000433460	N/A	N/A	N/A
A_23_P160438	5,13579	5,137	-1,00083906	ENST00000241651	4656	NM_002479	MYOG



A_33_P3252804	1,47224	1,47345	-1,00083906	ENST00000397541	494551	NM_001105558	WEE2
A_33_P3291264	1,65767	1,65889	-1,000845997	N/A	N/A	BI767616	Inc-LBX1-2
A_33_P3420382	1,51819	1,51942	-1,000852935	N/A	100131492	AF370412	LOC100131492
A_23_P109913	1,66597	1,66722	-1,000866809	ENST00000438735	10663	NM_006564	CXCR6
A_22_P00025332	1,59434	1,59561	-1,000880684	ENST00000558454	N/A	N/A	N/A
A_23_P204208	1,59053	1,5918	-1,000880684	ENST00000539374	3824	NM_002262	KLRD1
A_21_P0014005	1,51431	1,51559	-1,000887622	N/A	N/A	N/A	N/A
A_21_P0011410	1,65695	1,65824	-1,00089456	N/A	N/A	N/A	Inc-ZNF280D-1
A_23_P388379	1,50502	1,50632	-1,000901497	ENST00000355044	26033	NM_207303	ATRNL1
A_23_P165061	15,2044	15,2057	-1,000901497	ENST00000592414	166	NM_198969	AES
A_23_P40108	13,1135	13,1148	-1,000901497	ENST00000466192	1299	NM_001853	COL9A3
A_33_P3360392	5,58305	5,58436	-1,000908435	ENST00000412122	100188953	NR_024129	LINC00092
A_19_P00322946	1,65472	1,65603	-1,000908435	ENST00000468072	285401	NR_027104	LINC00698
A_22_P00008315	1,48932	1,49064	-1,000915373	ENST00000427547	N/A	DA923414	N/A
A_33_P3366662	1,67634	1,67769	-1,000936187	ENST00000390432	N/A	X58737	N/A
A_21_P0012716	1,45441	1,45577	-1,000943125	ENST00000511453	N/A	N/A	N/A
A_21_P0002607	1,4981	1,49947	-1,000950063	N/A	102723413	XR_425466	LOC102723413
A_23_P3014	1,62005	1,62143	-1,000957001	ENST00000304677	6039	NM_005615	RNASE6
A_33_P3590673	1,37644	1,37782	-1,000957001	ENST00000508179	100505806	NR_045196	SNHG18
A_22_P00021216	1,65264	1,65403	-1,000963939	N/A	101927020	NR_125839	LOC101927020
A_22_P00023892	1,57436	1,57575	-1,000963939	N/A	N/A	N/A	Inc-ALDH1A2-1
A_33_P3647744	1,47883	1,48022	-1,000963939	N/A	401324	NR_038864	LOC401324
A_33_P3339173	11,7405	11,7419	-1,000970877	ENST00000366839	6726	NM_001130440	SRP9
A_21_P0014891	1,65422	1,65562	-1,000970877	N/A	N/A	N/A	N/A
A_23_P20980	14,0933	14,0947	-1,000970877	ENST00000528618	1537	NM_001916	CYC1
A_23_P125042	6,28576	6,28719	-1,000991692	ENST00000187879	7673	NM_013360	ZNF222
A_32_P81879	1,48048	1,48191	-1,000991692	ENST00000376971	128822	NM_001008693	CST9
A_21_P0006622	1,45438	1,45581	-1,000991692	ENST00000458727	399717	NR_104327	GATA3-AS1
A_21_P0010862	1,66548	1,66692	-1,00099863	ENST00000458084	387644	N/A	LINC00202-1
A_22_P00021863	1,46206	1,46351	-1,001005569	N/A	102724176	XR_425771	LOC102724176
A_21_P0008073	1,51559	1,51705	-1,001012507	N/A	N/A	N/A	Inc-AL445989.1-9
A_33_P3242104	1,51156	1,51302	-1,001012507	N/A	N/A	BG208718	N/A
A_21_P0009775	1,50391	1,50538	-1,001019446	N/A	N/A	N/A	Inc-CDC42EP5-1

A_22_P00002837	1,43089	1,43237	-1,001026384	N/A	N/A	N/A	Inc-C2orf84-1
A_23_P111919	1,474	1,47549	-1,001033323	ENST00000475541	29942	NM_013357	PURG
A_23_P95130	11,3986	11,4001	-1,001040261	ENST00000473060	84255	NM_207113	SLC37A3
A_23_P101237	10,5907	10,5922	-1,001040261	ENST00000592875	83608	NM_031446	C18orf21
A_21_P0008984	1,69954	1,70104	-1,001040261	N/A	N/A	N/A	Inc-IRF8-1
A_24_P313096	10,8827	10,8842	-1,001040261	ENST00000261965	10426	NM_006322	TUBGCP3
A_24_P178602	7,62367	7,62517	-1,001040261	ENST00000338230	162966	NM_198457	ZNF600
A_23_P97328	12,1974	12,1989	-1,001040261	ENST00000472617	79169	NM_024319	C1orf35
A_23_P146233	1,48034	1,48185	-1,0010472	ENST00000311322	4023	NM_000237	LPL
A_33_P3216955	1,51313	1,51465	-1,001054139	ENST00000621663	119504	NM_001242546	ANAPC16
A_33_P3411980	1,45206	1,45358	-1,001054139	N/A	25890	AL833204	ABI3BP
A_22_P00022136	1,64303	1,64456	-1,001061078	N/A	N/A	N/A	Inc-DEF8-1
A_22_P00001860	1,57581	1,57734	-1,001061078	ENST00000551387	N/A	N/A	N/A
A_22_P00022001	1,48517	1,48671	-1,001068017	ENST00000509711	N/A	N/A	N/A
A_22_P00012372	1,35147	1,35301	-1,001068017	ENST00000550337	101927058	NR_110042	LOC101927058
A_32_P401091	1,48954	1,49109	-1,001074955	ENST00000250838	9426	NM_004825	CDY2A
A_22_P00011047	1,58036	1,58192	-1,001081894	N/A	N/A	N/A	Inc-NTNG2-1
A_21_P0000977	1,44679	1,44837	-1,001095772	ENST00000435828	N/A	N/A	N/A
A_21_P0004521	1,51201	1,51359	-1,001095772	N/A	N/A	N/A	Inc-C5orf27-1
A_32_P300427	4,87911	4,88069	-1,001095772	ENST00000371149	164284	NM_153360	APCDD1L
A_21_P0010192	1,49023	1,49183	-1,001109651	ENST00000441666	N/A	N/A	N/A
A_23_P66739	1,71121	1,71281	-1,001109651	ENST00000574580	284111	NM_177550	SLC13A5
A_23_P151778	1,66661	1,66822	-1,00111659	ENST00000250378	1215	NM_001836	CMA1
A_21_P0001411	1,95233	1,95394	-1,00111659	N/A	N/A	N/A	Inc-CD46-2
A_33_P3357000	1,59461	1,59624	-1,001130468	N/A	N/A	N/A	N/A
A_19_P00322936	1,49095	1,49258	-1,001130468	N/A	N/A	N/A	Inc-GTF2F2-2
A_21_P0007313	1,592	1,59366	-1,001151287	N/A	N/A	N/A	Inc-CDKN1C-1
A_22_P00013283	1,71033	1,71202	-1,001172105	N/A	N/A	N/A	nc-RP11-1070N10.3.1-1
A_21_P0004702	1,56913	1,57083	-1,001179045	N/A	102724087	XR_426112	LOC102724087
A_33_P3355618	1,45253	1,45423	-1,001179045	ENST00000607802	63930	NR_033370	LOC63930
A_22_P00000701	1,46988	1,47158	-1,001179045	ENST00000519063	255926	N/A	ADAM5
A_21_P0009411	1,76996	1,77166	-1,001179045	ENST00000581183	N/A	N/A	N/A
A_21_P0006151	1,49036	1,49207	-1,001185984	N/A	N/A	N/A	Inc-ANXA1-1

A_23_P97141	1,48569	1,48742	-1,001199864	ENST00000498352	5996	NM_002922	RGS1
A_22_P00002673	1,46646	1,46819	-1,001199864	N/A	N/A	AA412646	Inc-C1orf31-2
A_22_P00002917	1,35639	1,35812	-1,001199864	N/A	N/A	N/A	Inc-C5orf22-1
A_33_P3245120	1,64192	1,64366	-1,001206804	N/A	200772	NR_033841	LOC200772
A_21_P0009280	1,44583	1,44758	-1,001213744	N/A	N/A	N/A	Inc-SEPT9-4
A_22_P00017151	1,69211	1,69386	-1,001213744	N/A	101928731	NR_110093	LOC101928731
A_22_P00019768	1,39572	1,39747	-1,001213744	N/A	101929595	NR_125929	LOC101929595
A_21_P0007859	1,47363	1,47539	-1,001220683	N/A	N/A	N/A	Inc-TMEM132B-3
A_24_P294408	2,10817	2,10994	-1,001227623	ENST00000273371	51365	NM_015900	PLA1A
A_33_P3413910	6,87484	6,87661	-1,001227623	ENST00000395737	79924	NM_024866	ADM2
A_21_P0013935	1,47768	1,47946	-1,001234563	N/A	N/A	AK299452	Inc-AC090186.1-1
A_21_P0011152	1,64798	1,64976	-1,001234563	ENST00000438327	100874175	N/A	LINC00446
A_24_P282416	4,45345	4,45524	-1,001241503	ENST00000372348	25	NM_007313	ABL1
A_23_P8328	1,70176	1,70355	-1,001241503	ENST00000615358	3062	NM_001526	HCRTR2
A_23_P109442	10,5449	10,5467	-1,001248444	ENST00000466781	89781	NM_022081	HPS4
A_22_P00021059	1,49098	1,49278	-1,001248444	N/A	N/A	N/A	Inc-CIT-3
A_33_P3383556	1,5863	1,5881	-1,001248444	ENST00000434642	266629	NM_174975	SEC14L3
A_22_P00005491	1,50598	1,50779	-1,001255384	N/A	100885789	NR_104124	IFNG-AS1
A_22_P00006484	1,3741	1,37592	-1,001262324	N/A	100874239	NR_046680	ARHGAP26-AS1
A_33_P3217094	1,47697	1,47879	-1,001262324	ENST00000329395	158381	N/A	ATP8B5P
A_21_P0006123	1,36638	1,3682	-1,001262324	N/A	N/A	N/A	Inc-KDM4C-4
A_24_P942743	1,58854	1,59037	-1,001269264	ENST00000155093	7544	NM_003411	ZFY
A_22_P00010262	1,50435	1,50622	-1,001297026	N/A	102724659	NR_126000	LOC102724659
A_33_P3764663	1,57209	1,57397	-1,001303966	ENST00000599191	400058	BC067894	MKRN9P
A_23_P353888	1,42655	1,42844	-1,001310907	ENST00000524396	81704	NM_203447	DOCK8
A_23_P209129	1,45276	1,45465	-1,001310907	ENST00000301202	3904	NM_002288	LAIR2
A_21_P0008236	1,44727	1,44916	-1,001310907	N/A	N/A	N/A	Inc-AL445989.1-19
A_23_P42045	10,6603	10,6622	-1,001317847	ENST00000392844	23595	NM_181837	ORC3
A_32_P29965	1,45513	1,45704	-1,001324788	ENST00000243314	4108	NM_005365	MAGEA9
A_21_P0012636	1,58764	1,58955	-1,001324788	N/A	N/A	N/A	XLOC_I2_010947
A_22_P00019507	1,62549	1,62742	-1,001338669	ENST00000565441	101927508	XR_243453	LOC101927508
A_33_P3673242	1,41576	1,41772	-1,001359492	ENST00000624897	N/A	AF113687	N/A
A_24_P167338	6,04838	6,05034	-1,001359492	ENST00000527633	27314	NM_014488	RAB30

A_22_P00004344	1,64188	1,64385	-1,001366433	ENST00000577175	N/A	N/A	N/A
A_33_P3308872	1,4361	1,43808	-1,001373374	ENST00000420508	25812	NR_024591	POM121L1P
A_33_P3294645	1,59103	1,59304	-1,001394197	ENST00000271385	92235	NM_001080426	DUSP27
A_21_P0004939	1,4496	1,45162	-1,001401138	N/A	N/A	N/A	Inc-LAMA2-1
A_22_P00013062	1,3549	1,35693	-1,001408079	ENST00000559227	283761	NR_027076	LINC00928
A_22_P00022553	1,49729	1,49932	-1,001408079	N/A	N/A	N/A	Inc-DNAJA4-1
A_22_P00000257	1,44759	1,44962	-1,001408079	N/A	100130256	XR_249242	LOC100130256
A_23_P27400	1,57058	1,57263	-1,001421962	ENST00000222115	3036	NM_001523	HAS1
A_33_P3306110	1,65091	1,65297	-1,001428903	ENST00000409998	10203	NM_005795	CALCRL
A_21_P0006919	1,50971	1,51177	-1,001428903	N/A	N/A	N/A	Inc-C10orf96-1
A_22_P00010063	1,65092	1,653	-1,001442786	N/A	N/A	DB524386	Inc-MORN2-1
A_23_P213706	1,40225	1,40433	-1,001442786	ENST00000350025	3565	NM_000589	IL4
A_24_P384569	7,76135	7,76345	-1,001456669	ENST00000333395	2130	NM_001163287	EWSR1
A_21_P0002862	1,68416	1,68626	-1,001456669	ENST00000478239	N/A	N/A	N/A
A_23_P256773	11,0459	11,048	-1,001456669	ENST00000478754	7260	NM_003310	TSSC1
A_33_P3305208	13,4858	13,4879	-1,001456669	ENST00000534518	N/A	N/A	N/A
A_33_P3272513	1,5283	1,53042	-1,001470552	N/A	N/A	N/A	N/A
A_22_P00025169	1,55493	1,55706	-1,001477494	N/A	100874273	NR_046798	TGFA-IT1
A_21_P0010659	1,40161	1,40375	-1,001484436	N/A	N/A	N/A	XLOC_I2_001153
A_21_P0001770	1,61169	1,61384	-1,001491377	ENST00000492352	101926966	NR_110201	LOC101926966
A_33_P3413845	7,27703	7,27919	-1,001498319	ENST00000215570	26517	NM_012458	TIMM13
A_33_P3462422	1,48791	1,49008	-1,001505261	ENST00000368248	387357	NM_001164685	THEMIS
A_33_P3298810	1,47433	1,47651	-1,001512203	ENST00000327809	2865	NM_005304	FFAR3
A_33_P3265783	1,65967	1,66185	-1,001512203	ENST00000246895	6779	NM_003154	STATH
A_24_P63468	1,66001	1,6622	-1,001519145	ENST00000512135	64902	NM_031900	AGXT2
A_21_P0008839	1,47974	1,48193	-1,001519145	N/A	N/A	N/A	Inc-SLCO3A1-1
A_33_P3307337	1,50262	1,50483	-1,001533029	ENST00000587800	5596	NM_002747	MAPK4
A_33_P3357143	1,64398	1,64619	-1,001533029	ENST00000404297	4528	XM_006712023	MTIF2
A_21_P0013641	1,44819	1,45041	-1,001539971	N/A	403323	N/A	LOC403323
A_22_P00020222	1,61658	1,61881	-1,001546913	N/A	N/A	N/A	Inc-OR52B2-1
A_22_P00006108	4,39245	4,39469	-1,001553856	N/A	N/A	BU567998	Inc-FAM171B-1
A_22_P00014012	1,49818	1,50043	-1,001560798	ENST00000440116	100996635	NR_110621	LOC100996635
A_21_P0004063	1,69967	1,70194	-1,001574683	N/A	N/A	N/A	Inc-UBE2B-1

A_22_P00011173	1,44188	1,44416	-1,001581625	ENST00000520075	N/A	N/A	N/A
A_21_P0009213	1,68838	1,69067	-1,001588567	N/A	N/A	N/A	Inc-MIS12-1
A_21_P0014117	1,57897	1,58127	-1,00159551	N/A	100507210	XR_241571	LOC100507210
A_33_P3238280	1,65376	1,65607	-1,001602453	ENST00000389567	83850	NM_031913	ESYT3
A_19_P00805263	1,51275	1,51507	-1,001609395	ENST00000415479	N/A	N/A	N/A
A_22_P00014197	1,54733	1,54965	-1,001609395	ENST00000552413	N/A	N/A	N/A
A_24_P3005	1,36144	1,36376	-1,001609395	ENST00000409435	6335	NM_002977	SCN9A
A_22_P00018155	1,54329	1,54563	-1,00162328	ENST00000589476	N/A	N/A	N/A
A_23_P14673	1,69508	1,69742	-1,00162328	ENST00000559327	57722	NM_020962	IGDCC4
A_22_P00018401	1,39985	1,4022	-1,001630223	N/A	N/A	N/A	Inc-CCL1-2
A_21_P0004168	1,50407	1,50643	-1,001637166	ENST00000507813	N/A	N/A	N/A
A_22_P00003823	1,70618	1,70855	-1,001644109	N/A	N/A	N/A	Inc-CDS1-1
A_33_P3393537	9,78947	9,79184	-1,001644109	ENST00000539896	5724	NM_001164722	PTAFR
A_22_P00017699	1,51042	1,5128	-1,001651052	N/A	N/A	AL704334	Inc-XKR9-1
A_22_P00017187	1,43635	1,43873	-1,001651052	N/A	N/A	N/A	Inc-UBXN4-2
A_21_P0012721	1,64545	1,64784	-1,001657995	ENST00000508199	N/A	N/A	N/A
A_22_P00010134	1,39063	1,39302	-1,001657995	N/A	N/A	N/A	Inc-MRPL32-2
A_23_P387031	3,19656	3,19896	-1,001664938	ENST00000407622	91522	NM_173465	COL23A1
A_32_P95151	1,58457	1,58701	-1,00169271	ENST00000567129	N/A	BC029043	N/A
A_23_P39517	8,32306	8,32551	-1,001699653	ENST00000490133	55133	NM_018079	SRBD1
A_22_P00004261	1,48687	1,48932	-1,001699653	ENST00000448901	101929390	N/A	LINC01247
A_22_P00020253	1,50671	1,50916	-1,001699653	N/A	N/A	N/A	Inc-GADL1-3
A_22_P00012696	1,5128	1,51525	-1,001699653	N/A	101929202	NR_121652	MKX-AS1
A_24_P26792	1,44843	1,45092	-1,001727427	ENST00000360774	140803	NM_017662	TRPM6
A_21_P0005148	1,51707	1,51956	-1,001727427	N/A	N/A	N/A	Inc-FAM120B-3
A_33_P3318097	1,63937	1,64186	-1,001727427	ENST00000332644	132724	NM_182502	TMPRSS11B
A_21_P0011047	13,7522	13,7547	-1,00173437	ENST00000539977	N/A	N/A	N/A
A_24_P304723	13,478	13,4805	-1,00173437	ENST00000558492	5479	NM_000942	PPIB
A_24_P658413	3,3909	3,39341	-1,001741314	ENST00000536621	10071	NM_001164462	MUC12
A_22_P00004095	1,66128	1,66379	-1,001741314	N/A	N/A	N/A	Inc-CITED2-1
A_33_P3527931	1,48637	1,4889	-1,001755201	ENST00000378187	100170765	NM_001130514	ERICH4
A_21_P0007793	1,65948	1,66201	-1,001755201	N/A	N/A	N/A	Inc-SLC15A4-12
A_22_P00022149	1,65333	1,65587	-1,001762145	N/A	N/A	N/A	Inc-PCDH8-2

A_21_P0001973	1,50611	1,50867	-1,001776032	N/A	N/A	N/A	Inc-CCDC140-5
A_21_P0001574	1,48535	1,48791	-1,001776032	N/A	N/A	N/A	Inc-WARS2-2
A_23_P48198	1,59663	1,5992	-1,001782976	ENST00000548660	83468	NM_031302	GLT8D2
A_21_P0009222	1,50979	1,51236	-1,001782976	N/A	N/A	N/A	Inc-COX10-6
A_22_P00005402	1,64016	1,64274	-1,00178992	ENST00000580659	101927430	XR_245478	LOC101927430
A_23_P92928	1,66003	1,66261	-1,00178992	ENST00000263413	729	NM_000065	C6
A_22_P00008842	1,64267	1,64525	-1,00178992	ENST00000413757	N/A	N/A	N/A
A_33_P3281728	1,48303	1,48563	-1,001803808	N/A	N/A	N/A	N/A
A_24_P257511	1,50105	1,50367	-1,001817696	ENST00000274353	635	NM_001713	BHMT
A_21_P0006060	1,4746	1,47722	-1,001817696	N/A	N/A	N/A	Inc-COL5A1-2
A_23_P15603	9,03017	9,03283	-1,001845472	ENST00000611231	79922	NM_024864	MRM1
A_21_P0001292	1,65671	1,65937	-1,001845472	N/A	N/A	N/A	Inc-FOXD2-2
A_33_P3784283	9,24819	9,25086	-1,001852417	ENST00000342505	3716	NM_002227	JAK1
A_24_P144332	1,56634	1,56902	-1,001859361	N/A	55449	AF116636	DHRS4-AS1
A_22_P00000953	1,68164	1,68432	-1,001859361	N/A	N/A	N/A	Inc-AKT1-2
A_22_P00017690	1,49711	1,4998	-1,001866305	N/A	N/A	N/A	Inc-XCL1-2
A_33_P3242264	11,1112	11,1139	-1,00187325	ENST00000307089	387338	NM_199044	NSUN4
A_22_P00015084	1,37999	1,38269	-1,00187325	N/A	N/A	AF400502	Inc-SNURF-3
A_33_P3228739	6,00469	6,00739	-1,00187325	ENST00000377924	100505591	NM_001195545	LRR3C
A_33_P3361671	3,59167	3,59438	-1,001880194	N/A	N/A	N/A	N/A
A_22_P00002508	1,44488	1,44759	-1,001880194	ENST00000569877	N/A	N/A	N/A
A_33_P3341916	1,48372	1,48644	-1,001887139	ENST00000453436	170371	NM_001288743	C10orf128
A_22_P00016649	1,56271	1,56543	-1,001887139	N/A	N/A	DA872620	Inc-TP53I11-5
A_22_P00008625	1,64233	1,64505	-1,001887139	ENST00000508484	339978	XR_245259	LOC339978
A_21_P0007415	1,63324	1,63597	-1,001894083	N/A	N/A	N/A	Inc-ROBO4-1
A_23_P362770	1,70857	1,7113	-1,001894083	ENST00000296449	339834	NM_178173	CCDC36
A_24_P212549	1,67249	1,67524	-1,001907973	ENST00000434803	N/A	XR_250827	N/A
A_22_P00025439	4,03953	4,04228	-1,001907973	ENST00000418612	104355220	N/A	LINC01219
A_22_P00007629	1,65619	1,65894	-1,001907973	N/A	N/A	N/A	Inc-HENMT1-1
A_22_P00025053	1,35482	1,35758	-1,001914917	N/A	N/A	N/A	Inc-RP11-334E6.3.1-2
A_22_P00017399	1,45114	1,45392	-1,001928807	N/A	N/A	DB448840	Inc-VAX2-2
A_23_P125680	1,45937	1,46215	-1,001928807	ENST00000440464	55026	NM_017938	TMEM255A
A_21_P0007063	1,48337	1,48616	-1,001935752	N/A	N/A	N/A	Inc-PHYHIPL-2

A_23_P129075	6,70151	6,70431	-1,001942697	ENST00000478130	79968	NM_024908	WDR76
A_21_P0001580	1,63829	1,6411	-1,001949642	N/A	N/A	N/A	Inc-C1orf138-2
A_21_P0004098	1,44927	1,45209	-1,001956587	N/A	N/A	N/A	Inc-C5orf49-2
A_22_P00002497	1,48411	1,48693	-1,001956587	ENST00000563338	N/A	BM705207	N/A
A_21_P0005438	1,69067	1,6935	-1,001963532	N/A	N/A	N/A	Inc-RP11-1220K2.2.1-1
A_21_P0013077	1,65086	1,6537	-1,001970477	N/A	N/A	N/A	XLOC_I2_012942
A_24_P196528	1,4619	1,46475	-1,001977422	ENST00000535699	23418	NM_201253	CRB1
A_24_P223018	1,57263	1,5755	-1,001991312	ENST00000302328	11280	NM_014139	SCN11A
A_33_P3379268	1,44734	1,45021	-1,001991312	ENST00000571800	388325	NM_207103	SCIMP
A_21_P0006103	1,48732	1,4902	-1,001998258	ENST00000423632	N/A	N/A	N/A
A_21_P0008868	1,66101	1,66391	-1,002012148	N/A	N/A	N/A	Inc-RP11-82I10.1.1-4
A_33_P3281473	1,48333	1,48623	-1,002012148	N/A	100131726	NR_024479	FAM83A-AS1
A_21_P0007618	1,484	1,4869	-1,002012148	N/A	N/A	N/A	Inc-STAB2-1
A_22_P00000591	1,37466	1,37756	-1,002012148	N/A	102723456	XR_424816	LOC102723456
A_23_P152655	13,2083	13,2112	-1,002012148	ENST00000412356	3384	NM_000873	ICAM2
A_22_P00024569	1,39475	1,39766	-1,002019094	N/A	N/A	N/A	Inc-OTX2-2
A_21_P0003640	1,44481	1,44772	-1,002019094	N/A	N/A	N/A	Inc-UGT8-4
A_33_P3246513	2,05212	2,05503	-1,002019094	ENST00000510508	1735	NM_001362	DIO3
A_32_P148538	1,49774	1,50066	-1,002026039	ENST00000457765	9890	NM_014839	LPPR4
A_33_P3311730	4,54803	4,55095	-1,002026039	N/A	N/A	N/A	N/A
A_21_P0012912	1,4169	1,41983	-1,002032985	ENST00000274361	256006	N/A	ANKRD31
A_33_P3397507	1,45421	1,45714	-1,002032985	ENST00000380291	8905	XM_005274612	AP1S2
A_22_P00009796	1,50302	1,50596	-1,002039931	ENST00000412944	100507073	N/A	LOC100507073
A_24_P202319	1,64123	1,64418	-1,002046876	ENST00000576957	489	NM_174958	ATP2A3
A_33_P3215676	1,50564	1,5086	-1,002053822	ENST00000381273	100287284	NM_001146221	MANSC4
A_21_P0012986	1,66216	1,66512	-1,002053822	N/A	N/A	N/A	Inc-FGF10-3
A_33_P3297813	1,57642	1,57941	-1,002074659	N/A	1756	BC036103	DMD
A_22_P00007068	1,45026	1,45327	-1,002088551	N/A	N/A	N/A	Inc-GLDN-3
A_21_P0003112	1,5391	1,54211	-1,002088551	N/A	N/A	N/A	Inc-SCN11A-1
A_33_P3273524	1,45052	1,45355	-1,002102443	ENST00000257951	3890	NM_033045	KRT84
A_23_P411947	1,58643	1,58946	-1,002102443	ENST00000367565	127670	NM_172000	TEDDM1
A_32_P55804	1,63745	1,64049	-1,002109389	ENST00000371477	988	NM_001253	CDC5L
A_21_P0000805	1,61759	1,62063	-1,002109389	N/A	100507443	NR_038437	LOC100507443

A_33_P3404596	1,51192	1,51496	-1,002109389	N/A	N/A	N/A	N/A
A_33_P3838128	1,56428	1,56732	-1,002109389	N/A	102724167	DR033788	PABPC5-AS1
A_21_P0013622	2,78723	2,79029	-1,002123281	ENST00000423965	1182	NM_001243372	CLCN3
A_33_P3275055	1,53072	1,53379	-1,002130228	ENST00000621530	256435	NM_001160011	ST6GALNAC3
A_33_P3405023	1,46689	1,46997	-1,002137174	N/A	338436	NR_103545	BLACE
A_22_P00010440	1,50276	1,50584	-1,002137174	ENST00000556602	N/A	BX648929	N/A
A_21_P0009914	1,48398	1,48706	-1,002137174	ENST00000433766	101927796	NR_110064	LINC01441
A_33_P3280367	1,36756	1,37064	-1,002137174	ENST00000475131	25830	NM_014351	SULT4A1
A_21_P0002115	1,50952	1,51261	-1,00214412	ENST00000441356	101929260	N/A	LOC101929260
A_21_P0010934	1,70839	1,7115	-1,002158013	N/A	101928080	XR_424103	LOC101928080
A_33_P3236247	1,50749	1,51062	-1,002171906	N/A	N/A	N/A	N/A
A_23_P80295	1,66131	1,66444	-1,002171906	ENST00000358763	8224	NM_003490	SYN3
A_23_P144326	1,44596	1,44909	-1,002171906	ENST00000296525	140458	NM_080874	ASB5
A_22_P00014725	1,63874	1,64188	-1,002178852	N/A	N/A	AK093513	Inc-SLC2A12-4
A_23_P211244	9,25128	9,25442	-1,002178852	ENST00000397637	3275	NM_206962	PRMT2
A_22_P00021716	1,48704	1,49019	-1,002185799	N/A	N/A	N/A	Inc-LAMA1-3
A_21_P0008951	1,38021	1,38338	-1,002199692	N/A	N/A	N/A	Inc-SETD6-3
A_22_P00019369	1,56937	1,57254	-1,002199692	ENST00000398992	255649	XR_247225	OOSP1
A_33_P3363949	1,42759	1,43076	-1,002199692	ENST00000361760	390142	NM_001001967	OR5D13
A_21_P0011184	9,82272	9,8259	-1,002206639	N/A	N/A	N/A	XL0C_I2_003992
A_23_P165247	11,8428	11,846	-1,002220533	ENST00000585485	26528	NM_170711	DAZAP1
A_24_P200219	1,45951	1,46271	-1,002220533	ENST00000264234	7348	NM_006952	UPK1B
A_23_P135669	1,47989	1,48311	-1,002234427	ENST00000526750	81796	NM_030958	SLCO5A1
A_21_P0005769	1,45236	1,45559	-1,002241374	N/A	N/A	N/A	Inc-KHDRBS3-9
A_24_P852601	1,65854	1,66177	-1,002241374	ENST00000396423	3174	NM_004133	HNF4G
A_22_P00008029	1,50782	1,51105	-1,002241374	N/A	N/A	N/A	Inc-IGFBP1-1
A_23_P251785	9,16725	9,17049	-1,002248321	ENST00000379406	79612	NM_024561	NAA16
A_21_P0009859	1,35348	1,35673	-1,002255268	N/A	N/A	N/A	Inc-PFDN4-1
A_23_P45598	1,35169	1,35496	-1,002269162	ENST00000602818	442867	NM_001002760	BPY2B
A_21_P0014508	1,41951	1,42278	-1,002269162	N/A	N/A	AW513664	N/A
A_21_P0014711	7,97378	7,97706	-1,002276109	N/A	9470	NM_001282958	EIF4E2
A_21_P0003285	1,65769	1,66098	-1,002283056	N/A	N/A	N/A	Inc-ADAMTS9-2
A_23_P52668	1,54443	1,54772	-1,002283056	ENST00000531174	10004	NM_005468	NAALADL1



A_33_P3422812	10,0332	10,0365	-1,002290004	N/A	647087	NM_001130929	C7orf73
A_21_P0012193	1,65011	1,65341	-1,002290004	ENST00000439840	54072	NR_024027	LINC00158
A_21_P0010875	7,74847	7,75178	-1,002296951	N/A	N/A	N/A	XLOC_I2_001967
A_22_P00006452	1,54236	1,54567	-1,002296951	ENST00000504799	N/A	N/A	N/A
A_21_P0011139	1,44638	1,44972	-1,002317794	N/A	N/A	N/A	XLOC_I2_003682
A_23_P254434	1,58306	1,58641	-1,002324741	ENST00000400237	10739	NM_006605	RFPL2
A_33_P3324750	1,44791	1,45127	-1,002331689	N/A	N/A	AK125806	lnc-AC092117.1-1
A_22_P00004205	1,50797	1,51134	-1,002338636	N/A	100874212	NR_046716	MYCBP2-AS1
A_21_P0009115	3,17717	3,18056	-1,002352532	ENST00000563921	101928737	NR_110943	LOC101928737
A_33_P3420392	1,35924	1,36263	-1,002352532	ENST00000371105	7512	N/A	XPNPEP2
A_32_P42197	15,9892	15,9926	-1,00235948	ENST00000340913	3178	NM_031157	HNRNPA1
A_33_P3284463	12,5251	12,5285	-1,00235948	ENST00000381733	427	NM_177924	ASAH1
A_21_P0003277	1,69918	1,70258	-1,00235948	N/A	N/A	N/A	lnc-C3orf32-4
A_32_P88719	6,60298	6,60638	-1,00235948	ENST00000304236	282808	NM_001031834	RAB40AL
A_21_P0009865	1,46619	1,4696	-1,002366427	ENST00000366097	N/A	N/A	N/A
A_23_P352684	8,43019	8,4336	-1,002366427	ENST00000341516	8816	NM_003861	DCAF5
A_22_P00015621	4,91043	4,91385	-1,002373375	ENST00000428200	79847	NM_024789	TMEM180
A_22_P00020965	1,40062	1,40405	-1,002380323	N/A	101928052	NR_125888	LOC101928052
A_33_P3405864	1,53379	1,53722	-1,002380323	N/A	N/A	N/A	N/A
A_22_P00011437	1,58139	1,58484	-1,002394219	ENST00000518330	101927908	XR_245289	LOC101927908
A_33_P3295098	1,49355	1,497	-1,002394219	ENST00000289135	83850	N/A	ESYT3
A_32_P215943	1,56539	1,56889	-1,00242896	ENST00000549354	126536	NR_026828	LINC00661
A_21_P0004668	1,64716	1,65066	-1,00242896	N/A	N/A	N/A	lnc-GJA10-1
A_33_P3417222	12,8783	12,8818	-1,00242896	ENST00000378430	971	AK309268	CD72
A_22_P00008514	1,44479	1,44832	-1,002449805	ENST00000554252	N/A	BX102671	N/A
A_22_P00013155	1,63622	1,63975	-1,002449805	ENST00000429317	N/A	N/A	N/A
A_21_P0005889	1,67343	1,67697	-1,002456754	N/A	N/A	N/A	lnc-EXT1-4
A_33_P3272184	1,44897	1,45251	-1,002456754	N/A	100131532	NR_027434	LOC100131532
A_33_P3297808	1,46398	1,46752	-1,002456754	N/A	N/A	N/A	N/A
A_21_P0001461	1,44847	1,45204	-1,0024776	N/A	N/A	N/A	lnc-C1orf174-2
A_22_P00004309	1,65973	1,6633	-1,0024776	ENST00000451707	N/A	N/A	N/A
A_21_P0004369	1,48057	1,48416	-1,002491497	N/A	N/A	N/A	lnc-CDH9-2
A_22_P00024215	1,50018	1,50377	-1,002491497	ENST00000533812	100507431	XR_429014	LOC100507431

A_22_P00003970	1,66125	1,66484	-1,002491497	ENST00000555297	N/A	N/A	N/A
A_22_P00024314	1,6516	1,65523	-1,002519292	N/A	N/A	BX118099	Inc-ERICH1-8
A_21_P0002084	1,47219	1,47584	-1,00253319	ENST00000430551	101927360	NR_110113	LINC01103
A_21_P0009829	1,50194	1,50562	-1,002554038	ENST00000432244	100505515	N/A	LOC100505515
A_22_P00025901	1,64096	1,64465	-1,002560987	ENST00000559394	N/A	BX119465	N/A
A_33_P3254675	1,47195	1,47564	-1,002560987	N/A	N/A	N/A	N/A
A_24_P873764	11,8716	11,8753	-1,002567936	ENST00000614808	613	NM_004327	BCR
A_33_P3244843	9,4193	9,423	-1,002567936	ENST00000529249	53632	NM_017431	PRKAG3
A_24_P100996	1,57874	1,58244	-1,002567936	ENST00000324559	203859	NM_213599	ANO5
A_24_P169507	1,48028	1,484	-1,002581835	ENST00000379439	140453	NM_001040105	MUC17
A_33_P3353821	1,57144	1,57516	-1,002581835	ENST00000441055	N/A	N/A	N/A
A_21_P0006828	1,64788	1,65162	-1,002595734	N/A	N/A	N/A	Inc-AL137145.1-4
A_21_P0008867	1,39913	1,40287	-1,002595734	N/A	N/A	N/A	Inc-RGMA-9
A_21_P0004295	1,49675	1,5005	-1,002602683	ENST00000515533	56990	N/A	CDC42SE2
A_22_P00006715	1,57163	1,57538	-1,002602683	ENST00000465347	N/A	N/A	N/A
A_33_P3267059	1,70302	1,70678	-1,002609633	ENST00000374084	6548	DB094721	SLC9A1
A_33_P3370364	7,88007	7,88385	-1,002623532	ENST00000239032	2834	NM_004248	PRLHR
A_33_P3314673	4,19686	4,20065	-1,002630481	ENST00000378644	100130958	NM_001129979	SYCE1L
A_21_P0005983	3,11598	3,11978	-1,002637431	ENST00000464488	100288842	N/A	LOC100288842
A_24_P49517	7,41391	7,41773	-1,002651331	ENST00000292562	90987	NM_138367	ZNF251
A_32_P34844	1,47221	1,47604	-1,002658281	ENST00000282849	170692	NM_199355	ADAMTS18
A_23_P404698	1,52506	1,52889	-1,002658281	ENST00000312481	256076	NM_153264	COL6A5
A_21_P0009145	1,45304	1,45687	-1,002658281	N/A	N/A	N/A	Inc-MTHFSD-5
A_22_P00010057	1,85762	1,86146	-1,002665231	ENST00000550290	N/A	N/A	N/A
A_33_P3289810	1,35471	1,35855	-1,002665231	N/A	N/A	N/A	N/A
A_23_P1833	1,65935	1,66319	-1,002665231	ENST00000312527	27087	NM_054025	B3GAT1
A_33_P3537861	1,46872	1,47257	-1,002672181	N/A	100126448	EF565113	LOC100126448
A_33_P3320599	1,44501	1,44888	-1,002686081	ENST00000457256	N/A	N/A	N/A
A_33_P3246763	3,64836	3,65224	-1,002693031	ENST00000250615	15	NM_001166579	AANAT
A_22_P00012895	1,4447	1,44859	-1,002699981	N/A	100874208	NR_046685	NDFIP2-AS1
A_21_P0013125	1,40291	1,40681	-1,002706931	ENST00000354384	401236	NM_001190766	STMND1
A_21_P0011125	1,50652	1,51042	-1,002706931	N/A	N/A	N/A	XLOC_I2_003627
A_23_P362148	1,45592	1,45984	-1,002720832	ENST00000341772	92737	NM_139072	DNER

A_22_P00014344	1,65607	1,65999	-1,002720832	ENST00000493529	N/A	N/A	N/A
A_21_P0003753	1,46458	1,46851	-1,002727782	N/A	N/A	N/A	Inc-EIF4E-1
A_22_P00012855	1,3521	1,35606	-1,002748633	ENST00000561161	N/A	N/A	N/A
A_21_P0001838	1,46774	1,47171	-1,002755584	ENST00000448650	N/A	N/A	N/A
A_22_P00003161	1,48022	1,48419	-1,002755584	ENST00000436510	N/A	N/A	N/A
A_21_P0011856	4,0637	4,06768	-1,002762535	N/A	N/A	N/A	XLOC_I2_007571
A_22_P00024706	1,52811	1,5321	-1,002769485	ENST00000426593	286370	NR_038882	LOC286370
A_33_P3322814	1,47831	1,4823	-1,002769485	ENST00000317501	4916	NM_001007156	NTRK3
A_21_P0012769	1,70081	1,70483	-1,002790337	ENST00000506292	102724794	N/A	LOC102724794
A_22_P00019297	4,32464	4,32866	-1,002790337	ENST00000573982	N/A	CU690329	N/A
A_24_P242581	1,47236	1,4764	-1,002804239	ENST00000471020	200010	NM_001011547	SLC5A9
A_23_P127267	1,57821	1,58226	-1,00281119	ENST00000371413	9211	NM_005097	LGI1
A_22_P00022617	1,56316	1,56721	-1,00281119	ENST00000525309	N/A	N/A	N/A
A_21_P0006325	1,70742	1,71147	-1,00281119	N/A	N/A	N/A	Inc-C9orf50-5
A_21_P0005145	1,6445	1,64857	-1,002825092	N/A	N/A	N/A	Inc-C6orf70-5
A_22_P00023859	1,49864	1,50271	-1,002825092	N/A	N/A	N/A	Inc-FAM163B-1
A_22_P00011124	1,52979	1,53386	-1,002825092	N/A	N/A	N/A	Inc-NUMB-4
A_22_P00000613	1,35315	1,35722	-1,002825092	ENST00000447150	N/A	N/A	N/A
A_22_P00006077	1,37525	1,37932	-1,002825092	ENST00000510029	N/A	N/A	N/A
A_23_P353614	1,47655	1,48064	-1,002838994	ENST00000450307	254778	NM_152765	C8orf46
A_21_P0001854	1,53992	1,54401	-1,002838994	ENST00000457385	100996902	XR_244987	LOC100996902
A_21_P0002603	1,48426	1,48835	-1,002838994	N/A	101928427	XR_427057	LOC101928427
A_23_P338603	10,9624	10,9665	-1,002845945	ENST00000522166	79145	NM_001011667	CHCHD7
A_33_P3259135	1,63606	1,64017	-1,002852897	ENST00000621129	27065	NM_001287763	NSG1
A_33_P3631491	1,44916	1,45328	-1,002859848	N/A	N/A	AF307449	Inc-CECR2-1
A_22_P00002219	1,35114	1,35527	-1,002866799	N/A	N/A	AX721088	Inc-BZRAP1-1
A_21_P0011134	1,58194	1,58607	-1,002866799	N/A	N/A	N/A	XLOC_I2_003647
A_23_P317839	1,48147	1,48561	-1,002873751	ENST00000378695	256710	NM_152779	GLIPR1L1
A_22_P00014293	1,65754	1,6617	-1,002887654	N/A	N/A	BG203906	Inc-SERAC1-3
A_22_P00001083	1,68305	1,68722	-1,002894605	N/A	N/A	BI771921	Inc-ALDH7A1-1
A_21_P0008437	1,44688	1,45106	-1,002901557	N/A	N/A	N/A	Inc-RP11-463J10.2.1-1
A_32_P405973	1,45648	1,46067	-1,002908508	ENST00000338316	108	NM_020546	ADCY2
A_21_P0008943	1,63274	1,63693	-1,002908508	N/A	N/A	N/A	Inc-CHD9-5

A_21_P0010881	16,9236	16,9278	-1,00291546	ENST00000447680	N/A	N/A	N/A
A_23_P21436	10,2583	10,2625	-1,00291546	ENST00000373896	26147	NM_015651	PHF19
A_33_P3270435	1,47996	1,48417	-1,002922412	ENST00000311755	123346	NR_002780	HIGD2B
A_32_P56713	9,963	9,96721	-1,002922412	ENST00000436990	613	NM_004327	BCR
A_22_P00022033	2,05311	2,05733	-1,002929363	N/A	N/A	N/A	Inc-C1orf96-2
A_23_P433050	1,70528	1,7095	-1,002929363	ENST00000423548	59350	NM_021634	RXFP1
A_21_P0003708	1,68956	1,6938	-1,002943267	N/A	N/A	N/A	Inc-FRG1-2
A_22_P00022671	1,47251	1,47677	-1,002957171	ENST00000436089	N/A	N/A	N/A
A_22_P00017808	1,63215	1,63642	-1,002964123	N/A	N/A	N/A	Inc-ZBTB25-4
A_24_P945096	1,46077	1,46504	-1,002964123	ENST00000404898	8911	NM_021096	CACNA1I
A_22_P00021826	1,6337	1,63798	-1,002971075	N/A	100874201	NR_046574	B4GALT4-AS1
A_33_P3348244	14,5807	14,585	-1,002984979	ENST00000297290	25798	NM_015379	BRI3
A_33_P3292854	16,9852	16,9895	-1,002984979	ENST00000316448	811	NM_004343	CALR
A_21_P0011021	11,9803	11,9846	-1,002984979	ENST00000526488	650368	NR_024248	TSSC2
A_24_P367645	1,46878	1,47308	-1,002984979	ENST00000379643	256714	NM_152780	MAP7D2
A_23_P212284	10,01	10,0143	-1,002984979	ENST00000394970	25886	NM_015426	POC1A
A_21_P0004900	1,47667	1,48098	-1,002991931	N/A	N/A	N/A	Inc-MYO6-3
A_21_P0008010	1,46037	1,46471	-1,003012788	ENST00000445027	N/A	N/A	N/A
A_22_P00003282	1,46081	1,46517	-1,003026693	N/A	N/A	N/A	Inc-CALML6-2
A_23_P17821	1,44616	1,45052	-1,003026693	ENST00000215885	50487	NM_015715	PLA2G3
A_21_P0002688	1,45607	1,46044	-1,003033645	N/A	101927252	XR_425506	LOC101927252
A_22_P00001002	6,71744	6,72183	-1,00304755	ENST00000452532	N/A	N/A	N/A
A_23_P371076	6,24542	6,24981	-1,00304755	ENST00000472022	11278	AF113122	KLF12
A_22_P00003472	12,7185	12,7229	-1,003054503	N/A	102031319	NR_104163	LOC102031319
A_22_P00014730	4,6908	4,6952	-1,003054503	N/A	N/A	N/A	Inc-SLC2A4RG-1
A_22_P00022330	1,58274	1,58714	-1,003054503	ENST00000569998	N/A	DA711197	N/A
A_22_P00021754	4,97499	4,97941	-1,003068408	N/A	N/A	BX112083	Inc-DDX19A-1
A_23_P49865	5,47952	5,48394	-1,003068408	ENST00000571485	51087	NM_015982	YBX2
A_21_P0012777	1,50324	1,50766	-1,003068408	ENST00000514420	401136	NR_104048	TMPRSS11BNL
A_21_P0014845	1,64142	1,64585	-1,003075361	N/A	N/A	N/A	N/A
A_21_P0002463	1,57425	1,57869	-1,003082314	N/A	N/A	N/A	Inc-REG1B-3
A_33_P3243008	1,52104	1,52551	-1,003103173	ENST00000522372	157855	NM_001031836	KCNU1
A_23_P313588	1,4428	1,44727	-1,003103173	ENST00000442782	164656	BC039082	TMPRSS6

A_22_P00008834	1,46094	1,46541	-1,003103173	ENST00000430534	N/A	N/A	N/A
A_32_P78059	1,57212	1,5766	-1,003110126	ENST00000457826	283446	NM_001101421	MYO1H
A_21_P0004788	1,63456	1,63905	-1,003117079	ENST00000417838	N/A	N/A	N/A
A_21_P0014686	9,90729	9,91178	-1,003117079	N/A	N/A	AK023887	N/A
A_23_P141389	17,4933	17,4978	-1,003124032	ENST00000589913	6155	NM_000988	RPL27
A_24_P941896	1,57603	1,58054	-1,003130985	ENST00000327946	2894	NM_017551	GRID1
A_33_P3417553	1,44463	1,44915	-1,003137938	N/A	N/A	N/A	N/A
A_23_P500741	3,29035	3,29488	-1,003144892	ENST00000268679	863	NM_005187	CBFA2T3
A_23_P62309	1,67717	1,68171	-1,003151845	ENST00000371906	186	NM_000686	AGTR2
A_21_P0007074	2,29208	2,29664	-1,003165752	ENST00000434189	101927396	NR_120620	LINC01514
A_22_P00001021	1,45028	1,45485	-1,003172705	N/A	101929286	NR_126365	KCNMA1-AS3
A_24_P178654	14,552	14,5566	-1,003193566	ENST00000430258	N/A	N/A	N/A
A_24_P84808	15,9153	15,9199	-1,003193566	ENST00000600588	N/A	N/A	N/A
A_23_P87580	8,96424	8,96884	-1,003193566	ENST00000266594	23519	NM_012404	ANP32D
A_22_P00008589	1,70615	1,71075	-1,003193566	N/A	N/A	N/A	Inc-KCTD3-1
A_23_P307430	11,1716	11,1762	-1,003193566	ENST00000293406	124801	NM_152344	LSM12
A_22_P00023944	1,5729	1,5775	-1,003193566	N/A	N/A	N/A	Inc-ADRA1D-1
A_21_P0008971	1,67451	1,67911	-1,003193566	N/A	N/A	N/A	Inc-TERF2IP-1
A_23_P119102	12,2702	12,2748	-1,003193566	ENST00000586014	7408	NM_003370	VASP
A_21_P0006300	1,47639	1,48101	-1,003207473	N/A	N/A	N/A	Inc-ALG2-1
A_19_P00316657	1,63868	1,6433	-1,003207473	N/A	N/A	BC040150	Inc-FAM84B-8
A_22_P00023106	1,46486	1,46949	-1,003214427	N/A	101926898	N/A	LOC101926898
A_22_P00020447	1,4764	1,48104	-1,00322138	N/A	N/A	AA626491	Inc-CRNKL1-2
A_33_P3562810	1,63148	1,63615	-1,003242242	N/A	N/A	AK093190	Inc-TP53INP1-1
A_23_P431912	1,6314	1,63611	-1,003270058	ENST00000323684	158506	NM_152577	ZNF645
A_23_P415706	1,63748	1,64219	-1,003270058	ENST00000376682	283383	NM_198827	GPR133
A_22_P00002350	1,46512	1,46984	-1,003277012	N/A	N/A	N/A	Inc-C12orf23-1
A_23_P17316	1,49543	1,50016	-1,003283967	ENST00000470246	128414	NM_152864	NKAIN4
A_23_P59772	4,91872	4,9235	-1,003318738	ENST00000343257	1180	NM_000083	CLCN1
A_23_P56505	1,6404	1,64518	-1,003318738	ENST00000614742	3676	NM_000885	ITGA4
A_23_P510	1,42488	1,42966	-1,003318738	ENST00000366545	200150	NM_152666	PLD5
A_19_P00803124	1,49599	1,50078	-1,003325693	N/A	N/A	N/A	XLOC_I2_010494
A_22_P00008405	3,18282	3,18762	-1,003332647	N/A	N/A	BE147964	Inc-JPH1-5

A_33_P3323959	1,46944	1,47425	-1,003339602	ENST00000424685	5649	NM_005045	RELN
A_33_P3342370	1,4967	1,50151	-1,003339602	N/A	N/A	XM_001126459	N/A
A_33_P3360167	1,62903	1,63384	-1,003339602	ENST00000304418	390445	NM_001004731	OR5AU1
A_22_P00003365	1,47285	1,47766	-1,003339602	ENST00000445464	N/A	N/A	N/A
A_33_P3383891	1,45301	1,45784	-1,003353511	ENST00000584546	N/A	N/A	N/A
A_21_P0014603	1,47775	1,4826	-1,003367421	N/A	N/A	XR_110493	N/A
A_21_P0004644	1,49044	1,4953	-1,003374376	N/A	N/A	N/A	Inc-SLC39A7-2
A_33_P3690224	1,52413	1,52899	-1,003374376	N/A	283214	NR_046090	LOC283214
A_33_P3389689	4,27489	4,27976	-1,003381331	ENST00000397054	64175	NM_022356	P3H1
A_23_P361820	9,36957	9,37444	-1,003381331	ENST00000421419	23130	NM_015104	ATG2A
A_23_P112086	1,4463	1,45118	-1,003388286	ENST00000330590	1670	NM_021010	DEFA5
A_23_P108514	10,3397	10,3446	-1,003402196	ENST00000396738	8576	NM_001008910	STK16
A_21_P0001463	1,63709	1,64199	-1,003402196	N/A	N/A	N/A	Inc-TNFRSF9-1
A_23_P106998	10,6289	10,6338	-1,003402196	ENST00000313608	51649	NM_016070	MRPS23
A_21_P0000887	1,65744	1,66236	-1,003416106	ENST00000591143	100505835	NR_040036	LINC01532
A_33_P3364959	1,4423	1,44723	-1,003423061	N/A	N/A	DQ098707	N/A
A_21_P0013949	1,65396	1,65891	-1,003436971	N/A	N/A	N/A	N/A
A_22_P00002502	1,36883	1,37379	-1,003443927	ENST00000564305	101927009	XR_253494	LOC101927009
A_21_P0006754	1,38381	1,38877	-1,003443927	ENST00000452578	101929465	XR_246526	LOC101929465
A_22_P00001102	1,5202	1,52517	-1,003450882	ENST00000427695	N/A	N/A	N/A
A_22_P00016575	1,66743	1,6724	-1,003450882	ENST00000425800	N/A	N/A	N/A
A_23_P10232	6,9463	6,95129	-1,003464793	ENST00000322953	55024	NM_017935	BANK1
A_22_P00006549	1,50147	1,50646	-1,003464793	N/A	N/A	N/A	Inc-FKBP3-2
A_23_P42189	1,44394	1,44894	-1,003471749	ENST00000468082	6568	NM_005074	SLC17A1
A_33_P3419998	1,44245	1,44745	-1,003471749	ENST00000546875	9498	NM_001039960	SLC4A8
A_22_P00003636	1,44648	1,45149	-1,003478704	ENST00000449303	N/A	N/A	N/A
A_19_P00319588	1,4441	1,44913	-1,003492615	N/A	101929562	N/A	LOC101929562
A_21_P0004681	1,63257	1,6376	-1,003492615	ENST00000275162	134829	NM_001010852	CLVS2
A_33_P3263317	3,64371	3,64874	-1,003492615	N/A	N/A	AK128421	N/A
A_22_P00005387	1,5031	1,50814	-1,003499571	N/A	N/A	N/A	Inc-DROSHA-5
A_22_P00024283	1,62982	1,63487	-1,003506527	N/A	N/A	N/A	Inc-IRF1-1
A_22_P00009179	1,53716	1,54221	-1,003506527	N/A	N/A	N/A	Inc-LOX-1
A_22_P00012023	1,47266	1,47774	-1,003527394	N/A	100506866	NR_038272	TTN-AS1

A_21_P0010837	1,63271	1,63779	-1,003527394	N/A	N/A	N/A	XLOC_I2_001667
A_21_P0005312	1,4344	1,43948	-1,003527394	ENST00000420758	N/A	N/A	N/A
A_33_P3407835	6,92552	6,9306	-1,003527394	ENST00000296487	132160	NM_144641	PPM1M
A_23_P692	1,41944	1,42456	-1,003555218	ENST00000315987	3752	NM_004980	KCND3
A_23_P29655	8,82618	8,83134	-1,003583043	ENST00000542214	57415	NM_020685	C3orf14
A_22_P00016208	4,48884	4,49402	-1,003596956	N/A	N/A	N/A	Inc-TM2D2-1
A_23_P370733	1,54249	1,54768	-1,003603912	ENST00000432950	389932	NR_026743	AKR1C6P
A_23_P73457	12,236	12,2412	-1,003610869	ENST00000508797	80230	NM_025158	RUFY1
A_32_P184518	17,4375	17,4427	-1,003610869	ENST00000477341	6144	NM_000982	RPL21
A_33_P3324428	6,92996	6,93517	-1,003617825	ENST00000314126	8165	NM_003488	AKAP1
A_22_P00006985	1,50319	1,5084	-1,003617825	N/A	N/A	N/A	Inc-GDPD4-1
A_33_P3283552	1,46939	1,4746	-1,003617825	N/A	100132781	NR_038890	LOC100132781
A_33_P3419026	1,51297	1,51819	-1,003624782	ENST00000418306	1740	NM_001142700	DLG2
A_33_P3292269	1,47265	1,47788	-1,003631739	N/A	100131802	AK130887	LOC100131802
A_22_P00006646	1,40072	1,40597	-1,003645652	N/A	N/A	N/A	Inc-FOXG1-6
A_21_P0014326	1,64757	1,65283	-1,003652609	N/A	N/A	XM_006721356	Inc-RP11-327F22.5.1-4
A_21_P0002993	1,39561	1,40089	-1,003666522	N/A	N/A	N/A	Inc-CHMP2B-2
A_22_P00023150	4,80885	4,81413	-1,003666522	N/A	101929512	NR_110593	LOC101929512
A_33_P3249888	1,45696	1,46225	-1,003673479	ENST00000551160	144453	NM_001282614	BEST3
A_23_P133245	13,1062	13,1115	-1,003680436	ENST00000610522	3550	NM_006083	IK
A_23_P35399	15,4342	15,4395	-1,003680436	ENST00000422982	311	NM_145869	ANXA11
A_33_P3298990	1,66769	1,673	-1,003687393	ENST00000347785	921	NM_014207	CD5
A_22_P00004989	1,44412	1,44944	-1,00369435	ENST00000506917	N/A	N/A	N/A
A_22_P00005384	1,44804	1,45336	-1,00369435	ENST00000515358	N/A	N/A	N/A
A_21_P0000197	9,25223	9,25756	-1,003701307	ENST00000359193	8969	NM_021064	HIST1H2AG
A_22_P00025277	1,4027	1,40803	-1,003701307	N/A	N/A	N/A	Inc-CHMP7-2
A_33_P6462199	1,57128	1,57662	-1,003708265	ENST00000515405	100506013	NM_001297550	APELA
A_22_P00013545	1,5717	1,57704	-1,003708265	N/A	101928376	NR_108088	IL12A-AS1
A_21_P0002269	1,46256	1,46792	-1,003722179	ENST00000443205	N/A	N/A	N/A
A_22_P00009192	1,47231	1,47768	-1,003729136	ENST00000458662	N/A	BM553369	N/A
A_21_P0007644	1,46932	1,4747	-1,003736094	N/A	N/A	N/A	Inc-P2RX7-2
A_33_P3415216	10,7041	10,7095	-1,003750009	ENST00000426513	4358	NM_002437	MPV17
A_33_P3243657	11,009	11,0144	-1,003750009	ENST00000254616	26515	NM_012192	TIMM10B

A_22_P00015372	1,44694	1,45234	-1,003750009	N/A	N/A	N/A	Inc-SRBD1-2
A_22_P00024489	1,56497	1,57037	-1,003750009	N/A	N/A	N/A	Inc-HEPH-2
A_32_P85106	1,44237	1,4478	-1,003770881	ENST00000230301	168090	NM_144980	C6orf118
A_22_P00008395	1,44178	1,44721	-1,003770881	N/A	N/A	BX095802	Inc-JMJD7-PLA2G4B-5
A_22_P00014087	1,57246	1,5779	-1,003777839	ENST00000561655	N/A	AL521695	N/A
A_21_P0012644	1,35056	1,356	-1,003777839	N/A	N/A	N/A	XLOC_I2_010984
A_21_P0007992	1,55669	1,56214	-1,003784796	ENST00000435067	103752581	N/A	LINC01055
A_33_P3369979	1,56704	1,57252	-1,00380567	N/A	26246	NM_001004686	OR2L2
A_21_P0002227	1,50641	1,5119	-1,003812628	N/A	N/A	N/A	Inc-SLC1A4-1
A_22_P00006787	1,35913	1,36462	-1,003812628	ENST00000536512	N/A	N/A	N/A
A_21_P0011121	1,69209	1,69758	-1,003812628	ENST00000427890	N/A	N/A	N/A
A_22_P00009987	1,4462	1,45169	-1,003812628	ENST00000563016	104355151	NR_126392	PWRN4
A_21_P0006144	1,46545	1,47095	-1,003819586	N/A	N/A	N/A	Inc-ZCCHC7-1
A_21_P0005205	1,62675	1,63225	-1,003819586	ENST00000497017	N/A	N/A	N/A
A_23_P255618	1,45278	1,45829	-1,003826544	ENST00000378491	140767	NM_080723	NRSN1
A_33_P3296991	6,32069	6,32621	-1,003833502	N/A	401105	NR_024413	FLJ42393
A_22_P00018591	1,62867	1,63419	-1,003833502	ENST00000454538	102725521	N/A	LOC102725521
A_33_P3210499	1,51895	1,52447	-1,003833502	ENST00000390398	N/A	M14266	N/A
A_21_P0005581	1,75738	1,76291	-1,00384046	N/A	N/A	N/A	Inc-ARHGEF5-2
A_32_P227930	1,44328	1,44881	-1,00384046	ENST00000409999	100190949	NM_001145132	C5orf52
A_33_P3291796	3,23059	3,23612	-1,00384046	ENST00000487726	79012	NM_024046	CAMKV
A_21_P0010664	1,49961	1,50516	-1,003854376	ENST00000565520	100288079	N/A	GS1-279B7.1
A_33_P3303982	1,46584	1,4714	-1,003861334	ENST00000418789	642623	NM_001143975	UBTFL1
A_24_P309216	1,65568	1,66125	-1,003868292	ENST00000344545	89882	NM_033516	TPD52L3
A_23_P69573	4,63091	4,63651	-1,003889167	ENST00000455639	2982	NM_000856	GUCY1A3
A_33_P3333523	10,0131	10,0187	-1,003889167	N/A	N/A	N/A	N/A
A_22_P00024768	1,63588	1,64149	-1,003896126	ENST00000540161	N/A	DB024534	N/A
A_33_P3267395	1,41911	1,42473	-1,003903084	ENST00000325157	150350	NM_152512	ENTHD1
A_22_P00019150	1,44503	1,45065	-1,003903084	ENST00000450840	101927924	NR_110285	LOC101927924
A_21_P0004995	6,03986	6,04549	-1,003910043	N/A	N/A	N/A	Inc-ECI2-3
A_22_P00008568	1,62686	1,6325	-1,003917002	N/A	N/A	N/A	Inc-KCNS2-1
A_21_P0009952	1,53474	1,5404	-1,003930919	N/A	N/A	N/A	Inc-SYNDIG1-4
A_19_P00320746	1,46184	1,4675	-1,003930919	ENST00000511029	N/A	N/A	N/A



A_21_P0006747	1,51558	1,52124	-1,003930919	ENST00000442783	N/A	N/A	N/A
A_22_P00025882	1,56998	1,57565	-1,003937878	ENST00000417054	N/A	N/A	N/A
A_22_P00011854	2,43923	2,44492	-1,003951795	N/A	N/A	AA293893	Inc-PHTF2-2
A_22_P00002354	1,40481	1,4105	-1,003951795	ENST00000551280	N/A	BG194251	N/A
A_21_P0013270	10,2599	10,2656	-1,003958754	ENST00000431528	731275	NR_029401	LINC01347
A_32_P55293	1,48226	1,48797	-1,003965713	ENST00000375318	119180	NM_183058	LYZL2
A_21_P0001291	5,07068	5,07641	-1,003979631	N/A	N/A	N/A	Inc-CYP4A22-2
A_33_P3221019	4,51698	4,52272	-1,00398659	ENST00000546292	7455	NM_173059	ZAN
A_33_P3214879	7,34472	7,35046	-1,00398659	N/A	3836	NM_002264	KPNA1
A_21_P0013583	1,56836	1,57411	-1,003993549	N/A	N/A	N/A	XLOC_I2_014830
A_22_P00025352	1,46147	1,46723	-1,004000509	ENST00000446601	N/A	DA494348	N/A
A_21_P0002731	10,9317	10,9375	-1,004028346	ENST00000425195	102725370	XR_425587	LOC102725370
A_21_P0002196	1,44601	1,45183	-1,004042265	N/A	N/A	N/A	Inc-TTC27-1
A_33_P3227896	1,37182	1,37765	-1,004049224	ENST00000561715	100271835	NR_027145	LIMS3-LOC440895
A_23_P110777	1,4687	1,47453	-1,004049224	ENST00000274507	3950	NM_002302	LECT2
A_33_P3305820	1,57083	1,57666	-1,004049224	N/A	N/A	N/A	N/A
A_23_P259863	7,28224	7,28807	-1,004049224	ENST00000618265	57126	NM_020406	CD177
A_22_P00011322	1,42252	1,42836	-1,004056184	ENST00000420417	N/A	N/A	N/A
A_21_P0002248	1,51985	1,52569	-1,004056184	N/A	N/A	N/A	Inc-DNAH6-3
A_22_P00012351	3,652	3,65784	-1,004056184	N/A	N/A	BC038535	Inc-PRDM9-2
A_32_P178758	1,63356	1,63941	-1,004063143	N/A	285780	NR_026970	LY86-AS1
A_23_P369344	1,39925	1,40511	-1,004070103	ENST00000366875	164127	NM_152610	CCDC185
A_23_P67339	3,17659	3,18246	-1,004077063	ENST00000270645	57333	NM_020650	RCN3
A_21_P0006994	1,48289	1,48877	-1,004084022	N/A	N/A	N/A	Inc-PTPN20B-2
A_22_P00024722	4,77685	4,78273	-1,004084022	N/A	N/A	N/A	Inc-GRHL2-1
A_21_P0003260	1,44351	1,4494	-1,004090982	N/A	N/A	N/A	Inc-SEC62-1
A_21_P0008006	1,56416	1,57006	-1,004097942	N/A	N/A	N/A	Inc-RBM26-3
A_24_P603224	12,7253	12,7312	-1,004097942	ENST00000373019	10946	NM_006802	SF3A3
A_23_P19987	13,9477	13,9536	-1,004097942	ENST00000619562	10643	NM_006547	IGF2BP3
A_23_P136371	1,69767	1,70358	-1,004104902	ENST00000504854	64579	NM_022569	NDST4
A_21_P0012188	1,4442	1,45012	-1,004111862	N/A	100134423	XR_430813	LOC100134423
A_23_P132237	1,63672	1,64264	-1,004111862	ENST00000216071	25770	NM_015370	C22orf31
A_24_P215882	2,91953	2,92548	-1,004132742	ENST00000477621	398	NM_001176	ARHGDI8

A_21_P0004545	1,52805	1,534	-1,004132742	N/A	N/A	N/A	Inc-FAM153C-1
A_33_P3832488	1,68437	1,69033	-1,004139702	ENST00000457274	400839	NR_040102	FLJ33581
A_33_P3738799	1,37042	1,3764	-1,004153623	ENST00000508452	340074	NR_027127	LOC340074
A_33_P3278941	10,5727	10,5787	-1,004167543	ENST00000559939	9985	NM_001048205	REC8
A_22_P00020404	1,53812	1,54414	-1,004181464	ENST00000424528	400765	NR_046105	MIR137HG
A_22_P00016869	5,52125	5,52729	-1,004195385	N/A	101927550	NR_110102	LOC101927550
A_32_P319200	5,78463	5,79067	-1,004195385	ENST00000480559	91227	NM_199127	GGTLC2
A_21_P0011400	5,90669	5,91274	-1,004202346	N/A	N/A	N/A	Inc-GOLGA8J-3
A_21_P0005454	1,57168	1,57774	-1,004209306	N/A	N/A	N/A	Inc-WDR60-6
A_23_P92517	1,65193	1,65799	-1,004209306	ENST00000504425	83894	NM_031956	TTC29
A_33_P3775281	6,02305	6,02911	-1,004209306	ENST00000433059	644050	NR_104176	LINC01529
A_22_P00017302	2,08346	2,08953	-1,004216267	ENST00000442550	54088	NR_024357	LINC00113
A_19_P00319140	2,60826	2,61433	-1,004216267	N/A	101928682	NR_104667	LOC101928682
A_33_P3234882	1,50078	1,50685	-1,004216267	ENST00000343110	5549	NM_002725	PRELP
A_33_P3292588	1,63278	1,63885	-1,004216267	ENST00000411859	642623	NM_001143975	UBTFL1
A_21_P0007652	1,43166	1,43774	-1,004223228	N/A	N/A	N/A	Inc-AACS-3
A_22_P00003510	1,56566	1,57176	-1,004237149	ENST00000513616	N/A	N/A	N/A
A_24_P96961	12,2727	12,2788	-1,004237149	ENST00000328089	80176	NM_025106	SPSB1
A_33_P3345614	8,78157	8,78768	-1,00424411	N/A	N/A	N/A	N/A
A_23_P70278	1,46625	1,47236	-1,00424411	ENST00000368508	6098	NM_002944	ROS1
A_21_P0006285	1,44449	1,45061	-1,004251071	N/A	N/A	N/A	Inc-FRMD3-1
A_32_P83270	1,35028	1,35642	-1,004264993	ENST00000421212	727982	NR_034134	LINC01249
A_22_P00012222	1,66158	1,66773	-1,004271954	N/A	102723735	XR_424348	LOC102723735
A_22_P00009249	1,63515	1,64131	-1,004278915	ENST00000540733	101928471	NR_120473	LOC101928471
A_22_P00004974	1,66808	1,67425	-1,004285876	ENST00000438789	100874150	NR_047004	LINC00379
A_21_P0012675	1,7014	1,70758	-1,004292838	N/A	N/A	N/A	XLOC_I2_011225
A_32_P216426	13,9967	14,0029	-1,00430676	ENST00000546565	144983	NM_001011724	HNRNPA1L2
A_21_P0004045	1,49194	1,49814	-1,00430676	ENST00000513687	102467214	NR_104672	LOC102467214
A_33_P3213169	1,53594	1,54217	-1,004327644	ENST00000567409	3687	AK309642	ITGAX
A_22_P00013748	7,79178	7,79801	-1,004327644	ENST00000584201	100128893	NR_102763	GATA6-AS1
A_33_P3306843	5,61107	5,61731	-1,004334606	ENST00000322146	162962	NM_001102657	ZNF836
A_21_P0002939	1,35661	1,36286	-1,004341567	N/A	N/A	N/A	Inc-OXSM-1
A_22_P00009364	1,43943	1,44568	-1,004341567	ENST00000428346	N/A	N/A	N/A

A_21_P0010243	1,62846	1,63471	-1,004341567	N/A	101928398	NR_109926	LOC101928398
A_22_P00002209	5,29701	5,3033	-1,004369414	ENST00000508309	729678	NR_045678	LINC00847
A_22_P00024900	1,48818	1,49448	-1,004376376	N/A	N/A	BG221702	Inc-GABPA-2
A_22_P00023512	1,40444	1,41075	-1,004383338	N/A	N/A	AL079817	Inc-RFWD2-2
A_33_P3239724	1,44042	1,44673	-1,004383338	N/A	N/A	N/A	N/A
A_23_P371682	1,5688	1,57512	-1,004390299	ENST00000617456	10082	NM_005708	GPC6
A_22_P00013553	1,64275	1,64908	-1,004397261	ENST00000513915	101927421	N/A	LOC101927421
A_21_P0012613	1,6592	1,66553	-1,004397261	N/A	N/A	N/A	XLOC_I2_010833
A_22_P00003680	1,49937	1,5057	-1,004397261	ENST00000435554	N/A	N/A	N/A
A_22_P00002789	1,46554	1,47187	-1,004397261	N/A	N/A	N/A	Inc-C2CD4A-7
A_22_P00011409	1,56695	1,5733	-1,004411185	N/A	N/A	AA658566	Inc-PAFAH1B2-1
A_33_P3281641	1,54147	1,54782	-1,004411185	ENST00000309562	119765	NM_001005470	OR4B1
A_22_P00007271	1,46222	1,46859	-1,00442511	ENST00000544813	10536	NM_014262	LEPREL2
A_23_P354965	1,55423	1,5606	-1,00442511	ENST00000273908	79966	NM_024906	SCD5
A_21_P0005163	1,56919	1,57557	-1,004432072	ENST00000506222	100507584	NR_038989	LINC01016
A_23_P46584	1,49929	1,50568	-1,004439034	ENST00000367726	92346	NM_139240	C1orf105
A_22_P00022337	1,62237	1,62876	-1,004439034	ENST00000448859	101929413	N/A	LOC101929413
A_23_P28582	6,3965	6,40289	-1,004439034	ENST00000442128	N/A	N/A	N/A
A_22_P00015565	1,64482	1,65122	-1,004445996	N/A	N/A	AK057422	Inc-STRA8-1
A_21_P0003101	1,47505	1,48145	-1,004445996	ENST00000414047	9686	N/A	VGLL4
A_33_P3223527	1,44262	1,44903	-1,004452959	N/A	100131472	XR_426131	LOC100131472
A_22_P00000436	1,48999	1,49642	-1,004466883	ENST00000450458	N/A	N/A	N/A
A_22_P00004603	1,47001	1,47645	-1,004473846	ENST00000517676	101928058	XR_428285	LOC101928058
A_22_P00023360	1,39632	1,40276	-1,004473846	N/A	101927969	XR_245292	LOC101927969
A_22_P00003593	1,50012	1,50657	-1,004480808	N/A	N/A	N/A	Inc-CD1D-2
A_22_P00012641	1,36223	1,3687	-1,004494733	N/A	101929162	NR_120474	LOC101929162
A_22_P00020925	1,62664	1,63312	-1,004501696	N/A	N/A	N/A	Inc-VWDE-1
A_22_P00001221	1,63179	1,63827	-1,004501696	ENST00000562916	146429	NM_001242757	SLC22A31
A_24_P106839	6,27785	6,28433	-1,004501696	ENST00000528828	54904	NM_023034	WHSC1L1
A_22_P00014894	10,8149	10,8214	-1,004515622	N/A	N/A	N/A	Inc-SLC7A5-1
A_33_P3222439	1,67651	1,68305	-1,004543473	ENST00000617120	401285	NM_001145121	TCP10L2
A_23_P51213	1,44208	1,44862	-1,004543473	ENST00000374434	127294	NM_152372	MYOM3
A_21_P0001716	4,40505	4,4116	-1,004550436	N/A	N/A	N/A	Inc-MTR-1

A_22_P00023209	1,44948	1,45603	-1,004550436	ENST00000418379	101926942	N/A	LOC101926942
A_23_P82795	1,62592	1,63249	-1,004564362	ENST00000304233	83655	NR_040035	LINC00208
A_33_P3798739	6,26499	6,27157	-1,004571325	N/A	286382	AK094356	LOC286382
A_33_P3277614	13,0478	13,0544	-1,004585252	ENST00000344357	29789	NM_013341	OLA1
A_33_P3370226	17,3461	17,3527	-1,004585252	ENST00000493874	6129	NM_000971	RPL7
A_21_P0002673	1,40761	1,41421	-1,004585252	N/A	N/A	N/A	Inc-TGFBRAP1-2
A_21_P0008695	1,49759	1,50419	-1,004585252	ENST00000622345	N/A	N/A	N/A
A_22_P00006461	1,4622	1,46881	-1,004592215	N/A	N/A	N/A	Inc-FCRL3-1
A_33_P3289476	3,61417	3,62079	-1,004599178	N/A	100128697	AK124043	LOC100128697
A_21_P0004382	1,45811	1,46474	-1,004606142	N/A	102723768	XR_425854	LOC102723768
A_22_P00021471	1,56106	1,56769	-1,004606142	N/A	N/A	N/A	Inc-KRT18-1
A_22_P00021513	1,63394	1,64057	-1,004606142	ENST00000525097	N/A	BX103737	N/A
A_33_P3298236	1,43995	1,4466	-1,004620069	ENST00000339452	54798	NM_001142552	DCHS2
A_33_P3218980	1,38467	1,39133	-1,004627032	ENST00000371203	953	NM_001776	ENTPD1
A_23_P421221	9,45276	9,45942	-1,004627032	ENST00000265806	203069	NM_001136108	R3HCC1
A_23_P365327	1,37777	1,38446	-1,004647923	ENST00000369746	90025	AL137544	UBE3D
A_22_P00020563	3,81546	3,82215	-1,004647923	ENST00000573651	84461	NM_032442	NEURL4
A_33_P3324745	1,46525	1,47195	-1,004654887	N/A	N/A	N/A	Inc-DPP4-2
A_23_P76136	1,45378	1,46049	-1,00466185	ENST00000261177	441631	NM_001080509	TSPAN11
A_22_P00012720	1,46537	1,47209	-1,004668814	N/A	N/A	N/A	Inc-RAB3C-1
A_21_P0005672	1,56445	1,57118	-1,004675778	N/A	N/A	N/A	Inc-KIAA1967-1
A_21_P0011348	1,4703	1,47703	-1,004675778	N/A	283683	N/A	LOC283683
A_21_P0012094	1,43527	1,44201	-1,004682742	ENST00000414911	N/A	N/A	N/A
A_33_P3354579	1,50617	1,51292	-1,004689706	N/A	N/A	N/A	N/A
A_23_P425176	1,47177	1,47855	-1,004710598	ENST00000264952	131890	AF282269	GRK7
A_21_P0006219	1,44105	1,44784	-1,004717562	N/A	N/A	N/A	Inc-RP11-295D22.1.1-6
A_21_P0012093	1,70144	1,70824	-1,004724526	ENST00000431985	N/A	N/A	N/A
A_22_P00023304	1,56811	1,57491	-1,004724526	N/A	N/A	BF966326	Inc-TRAT1-1
A_33_P3410849	10,8123	10,8191	-1,004724526	ENST00000409586	541565	NM_001013842	C8orf58
A_22_P00009041	1,62519	1,63201	-1,004738455	ENST00000566241	N/A	AF086457	N/A
A_23_P41847	1,53917	1,546	-1,004745419	ENST00000274545	2559	NM_000811	GABRA6
A_22_P00010480	1,44169	1,44853	-1,004752384	N/A	N/A	DA167481	Inc-NAT8L-1
A_24_P237583	1,48616	1,49301	-1,004759348	ENST00000289953	90199	NM_130896	WFDC8

A_33_P3350972	1,50032	1,50717	-1,004759348	ENST00000446840	646588	N/A	LOC646588
A_22_P00022640	1,62192	1,62878	-1,004766313	N/A	100287814	NR_034037	LINC00582
A_33_P3365228	1,5626	1,56946	-1,004766313	ENST00000357599	54437	NM_001256346	SEMA5B
A_33_P3365586	9,83586	9,84272	-1,004766313	ENST00000265619	9217	NM_004738	VAPB
A_21_P0004134	1,49924	1,50613	-1,004787206	ENST00000508486	101928769	NR_105001	LOC101928769
A_22_P00018816	1,43962	1,44652	-1,004794171	ENST00000416481	N/A	N/A	N/A
A_33_P3279600	1,40028	1,40723	-1,004828995	ENST00000406846	2492	NM_000145	FSHR
A_22_P00003213	1,42357	1,43053	-1,00483596	N/A	N/A	N/A	Inc-CA8-7
A_22_P00003616	1,43937	1,44633	-1,00483596	N/A	N/A	AK091285	Inc-CD3D-1
A_23_P14165	1,65552	1,66251	-1,004856855	ENST00000340807	2841	NM_005292	GPR18
A_22_P00015370	1,51147	1,51847	-1,00486382	ENST00000560705	N/A	BQ222563	N/A
A_33_P3373690	1,46745	1,47445	-1,00486382	N/A	N/A	N/A	N/A
A_24_P397255	1,6201	1,62712	-1,004877751	ENST00000296741	133121	NM_153343	ENPP6
A_22_P00022862	1,5657	1,57272	-1,004877751	N/A	N/A	N/A	Inc-C4orf46-1
A_22_P00003663	1,46498	1,472	-1,004877751	N/A	N/A	BC035649	Inc-CDC40-1
A_21_P0014320	1,37367	1,38069	-1,004877751	N/A	N/A	N/A	N/A
A_22_P00004038	1,43955	1,44659	-1,004891682	N/A	N/A	BC050469	Inc-CHRNA3-1
A_24_P366509	1,45878	1,46582	-1,004891682	ENST00000614407	146850	NM_001010855	PIK3R6
A_22_P00020389	1,66886	1,67592	-1,004905612	ENST00000512310	N/A	N/A	N/A
A_22_P00022282	1,55184	1,5589	-1,004905612	ENST00000434947	N/A	N/A	N/A
A_33_P3232403	1,54765	1,55471	-1,004905612	N/A	404744	NR_015356	NPSR1-AS1
A_22_P00021925	1,36392	1,37099	-1,004912578	N/A	100862679	NR_046390	NAALADL2-AS3
A_22_P00006524	1,45392	1,461	-1,004919543	N/A	N/A	N/A	Inc-FGFR1-3
A_21_P0001294	1,6288	1,63588	-1,004919543	N/A	N/A	N/A	Inc-ELAVL4-2
A_24_P98251	9,98555	9,99263	-1,004919543	ENST00000358544	157680	NM_017890	VPS13B
A_33_P3345474	7,06017	7,06727	-1,004933475	ENST00000381051	N/A	BC036832	N/A
A_21_P0005536	1,44323	1,45033	-1,004933475	N/A	N/A	N/A	Inc-EZH2-2
A_22_P00021325	1,43489	1,44199	-1,004933475	N/A	N/A	DA759359	Inc-SLCO1A2-1
A_23_P38254	13,5697	13,5768	-1,004933475	ENST00000465825	60528	NM_018127	ELAC2
A_21_P0005379	1,43766	1,44481	-1,004968304	N/A	N/A	N/A	Inc-VWC2-1
A_22_P00017400	1,64981	1,65696	-1,004968304	N/A	N/A	N/A	Inc-VCAM1-1
A_23_P137935	1,40702	1,41418	-1,00497527	ENST00000368141	4332	NM_002432	MNDA
A_21_P0012779	1,47527	1,48244	-1,004982236	ENST00000501965	101929210	NR_125922	LOC101929210

A_32_P213459	1,6881	1,69529	-1,004996168	ENST00000382255	10655	NM_006557	DMRT2
A_21_P0003618	1,39816	1,40536	-1,005003134	N/A	N/A	N/A	Inc-STAP1-3
A_33_P3471712	18,2773	18,2845	-1,005003134	ENST00000448179	284600	AK056486	LOC284600
A_33_P3269670	1,70506	1,71227	-1,0050101	ENST00000398800	100271715	NM_001145451	ARHGEF33
A_22_P00000839	4,66315	4,67037	-1,005017066	N/A	N/A	N/A	Inc-AGBL1-3
A_33_P3307728	1,43744	1,44468	-1,005030999	ENST00000398530	440051	NM_001005405	KRTAP5-11
A_22_P00010797	1,43764	1,44488	-1,005030999	N/A	N/A	N/A	Inc-NLRP3-1
A_22_P00001480	1,62001	1,62725	-1,005030999	ENST00000448311	100506682	N/A	LOC100506682
A_21_P0007918	1,40218	1,40942	-1,005030999	ENST00000422609	N/A	N/A	N/A
A_33_P3383970	1,56426	1,57151	-1,005037965	ENST00000506111	81793	NM_030956	TLR10
A_23_P51019	1,48188	1,48915	-1,005051898	ENST00000375427	6326	NM_021007	SCN2A
A_33_P3482466	1,40441	1,41168	-1,005051898	N/A	N/A	AK094554	N/A
A_21_P0000162	1,46177	1,46906	-1,005065831	ENST00000412590	280657	AK302765	SSX6
A_33_P3260110	1,35139	1,35869	-1,005072798	N/A	N/A	AK126960	N/A
A_22_P00010745	7,28447	7,29178	-1,005079764	N/A	N/A	AK311445	Inc-NIPSNAP3B-1
A_21_P0013683	1,43783	1,44515	-1,005086731	N/A	101928720	N/A	LINC01509
A_33_P3313640	3,77814	3,78547	-1,005093698	N/A	N/A	N/A	N/A
A_23_P132316	3,47437	3,48173	-1,005114598	ENST00000381568	140564	NM_152426	APOBEC3D
A_19_P00808846	1,4289	1,43628	-1,005128532	ENST00000413645	N/A	N/A	N/A
A_21_P0004773	1,4357	1,44308	-1,005128532	ENST00000434296	285758	NR_038863	LINC01268
A_21_P0005327	1,4837	1,4911	-1,005142466	ENST00000431071	N/A	N/A	N/A
A_23_P81212	13,1627	13,1701	-1,005142466	ENST00000514581	51023	NM_016067	MRPS18C
A_21_P0003983	1,54807	1,5555	-1,005163368	ENST00000511054	N/A	N/A	N/A
A_24_P945312	1,55732	1,56475	-1,005163368	ENST00000404991	56903	NM_020144	PAPOLB
A_22_P00002267	1,49309	1,50056	-1,005191237	N/A	101927255	XR_246174	LOC101927255
A_21_P0010364	1,37137	1,37884	-1,005191237	ENST00000428765	N/A	N/A	N/A
A_22_P00008952	1,63664	1,64412	-1,005198205	N/A	338651	NR_021489	KRTAP5-AS1
A_33_P3242114	1,63481	1,64229	-1,005198205	ENST00000616018	101927468	XR_426823	LOC101927468
A_21_P0014398	1,56379	1,57128	-1,005205172	N/A	100128988	AK023614	LOC100128988
A_22_P00017554	1,43622	1,44371	-1,005205172	N/A	101928284	XR_248995	LOC101928284
A_23_P169351	1,43626	1,44375	-1,005205172	ENST00000380607	6456	NM_003026	SH3GL2
A_23_P127891	7,63784	7,64533	-1,005205172	ENST00000525528	627	NM_170735	BDNF
A_24_P160696	1,39696	1,40447	-1,005219108	ENST00000496010	89876	NM_033364	MAATS1

A_33_P3376090	5,24997	5,25749	-1,005226075	ENST00000340750	26219	NM_001004452	OR1J4
A_21_P0003246	1,52806	1,53558	-1,005226075	N/A	101929453	XR_241530	LOC101929453
A_22_P00023947	1,62012	1,62765	-1,005233043	ENST00000439412	400957	N/A	LINC01185
A_22_P00020952	1,56605	1,57358	-1,005233043	ENST00000563252	101928707	XR_429695	LOC101928707
A_32_P440667	1,49704	1,50457	-1,005233043	N/A	171024	NM_001128933	SYNPO2
A_22_P00006275	1,44753	1,45507	-1,005240011	ENST00000436084	N/A	N/A	N/A
A_24_P332862	8,26938	8,27692	-1,005240011	ENST00000355504	284443	NM_001076678	ZNF493
A_21_P0006583	4,79745	4,80501	-1,005253947	ENST00000555168	N/A	N/A	N/A
A_22_P00020833	1,45404	1,4616	-1,005253947	ENST00000508636	N/A	N/A	N/A
A_19_P00327081	4,20536	4,21293	-1,005260914	N/A	N/A	N/A	XLOC_I2_001273
A_21_P0007744	2,38828	2,39586	-1,005267882	N/A	N/A	N/A	Inc-RP11-167N24.6.1-1
A_33_P3310232	15,8366	15,8442	-1,005281818	ENST00000267436	79944	NM_024884	L2HGDH
A_24_P14531	12,7146	12,7222	-1,005281818	ENST00000398022	9777	NM_014742	TM9SF4
A_21_P0014578	1,46029	1,4679	-1,005288787	N/A	100507065	NR_120433	LOC100507065
A_21_P0004122	1,43414	1,44175	-1,005288787	ENST00000513673	N/A	N/A	N/A
A_24_P174793	3,76509	3,77271	-1,005295755	ENST00000311106	5122	NM_000439	PCSK1
A_21_P0009434	1,43522	1,44285	-1,005302723	N/A	N/A	N/A	Inc-USP14-1
A_33_P3353073	6,02032	6,02795	-1,005302723	ENST00000316637	50619	NM_022047	DEF6
A_21_P0001672	1,4427	1,45034	-1,005309691	N/A	N/A	N/A	Inc-UTP11L-2
A_21_P0014742	5,33976	5,3474	-1,005309691	N/A	N/A	BC045168	N/A
A_33_P3372563	6,3897	6,39735	-1,005316659	ENST00000372512	89845	NM_033450	ABCC10
A_22_P00012710	7,01113	7,01878	-1,005316659	ENST00000531077	N/A	N/A	N/A
A_22_P00024749	1,65355	1,66122	-1,005330596	ENST00000485347	N/A	N/A	N/A
A_33_P3222728	1,45022	1,4579	-1,005337565	ENST00000341840	55888	NM_001288592	ZKSCAN7
A_33_P3412752	1,56499	1,57267	-1,005337565	N/A	100128607	AK127186	LOC100128607
A_22_P00008551	1,54219	1,54987	-1,005337565	ENST00000423466	N/A	BG202600	N/A
A_33_P3347522	15,1775	15,1852	-1,005351502	N/A	N/A	N/A	N/A
A_22_P00022302	13,4637	13,4714	-1,005351502	ENST00000534218	N/A	BG563712	N/A
A_21_P0013403	1,41329	1,42101	-1,005365439	ENST00000419905	102724386	NR_120521	LINC01393
A_22_P00024989	1,4909	1,49862	-1,005365439	ENST00000415940	N/A	N/A	N/A
A_21_P0003972	1,60656	1,61431	-1,005386345	N/A	N/A	N/A	Inc-FBXL7-3
A_22_P00011744	1,43722	1,44497	-1,005386345	N/A	N/A	N/A	Inc-PER2-2
A_22_P00020692	1,46796	1,47572	-1,005393314	ENST00000519306	N/A	CR741371	N/A

A_22_P00002572	1,62229	1,63006	-1,005400283	ENST00000574589	100506388	NM_001242780	LOC100506388
A_21_P0009371	2,97079	2,97858	-1,005414221	N/A	N/A	N/A	Inc-C17orf101-1
A_21_P0006928	1,61809	1,62588	-1,005414221	N/A	N/A	N/A	Inc-GPR26-4
A_23_P364517	13,127	13,1348	-1,00542119	ENST00000488746	58515	NM_021237	SELK
A_23_P13033	10,9601	10,9679	-1,00542119	ENST00000408993	5936	NM_002896	RBM4
A_33_P3314937	1,66555	1,67338	-1,005442097	ENST00000426466	112401	NM_033341	BIRC8
A_22_P00005865	1,50814	1,51598	-1,005449066	N/A	N/A	N/A	Inc-ERP29-1
A_33_P3336822	1,35449	1,36233	-1,005449066	ENST00000390297	N/A	U09907	N/A
A_22_P00001025	1,4816	1,48947	-1,005469974	N/A	N/A	N/A	Inc-AL445989.1-13
A_33_P3409269	1,61807	1,62595	-1,005476944	ENST00000507059	2324	AB209637	FLT4
A_33_P3368186	17,1224	17,1303	-1,005490883	N/A	N/A	AY444749	N/A
A_21_P0000869	1,45411	1,46201	-1,005490883	N/A	100506229	NR_039975	LINC01093
A_22_P00010757	1,49569	1,50359	-1,005490883	ENST00000518739	102724612	NR_125825	LOC102724612
A_23_P407080	1,62384	1,63175	-1,005497852	ENST00000399564	133558	NM_173489	MROH2B
A_33_P3247082	8,09644	8,10435	-1,005497852	ENST00000330048	386757	NR_003083	SLC6A10P
A_33_P3335730	4,04865	4,05658	-1,005511791	ENST00000377300	441116	NR_046113	FLJ16171
A_23_P409093	1,43549	1,44344	-1,005525731	ENST00000392977	121601	NM_178826	ANO4
A_22_P00019781	1,70035	1,70832	-1,005539671	ENST00000451946	N/A	N/A	N/A
A_21_P0013827	1,46117	1,46915	-1,00554664	N/A	N/A	N/A	XLOC_I2_015789
A_24_P352116	9,01291	9,0209	-1,00555361	N/A	84973	NR_003672	SNHG7
A_21_P0012057	1,44849	1,45648	-1,00555361	ENST00000417751	100499171	N/A	LINC00276
A_33_P3404241	1,53585	1,54384	-1,00555361	N/A	N/A	N/A	N/A
A_22_P00003390	11,7601	11,7681	-1,00556058	N/A	N/A	N/A	Inc-CCDC113-1
A_33_P33308045	2,149	2,15702	-1,005574521	N/A	9470	AK303802	EIF4E2
A_22_P00025320	1,43647	1,44449	-1,005574521	ENST00000423875	100133308	NR_024472	RSU1P2
A_22_P00003237	1,54717	1,5552	-1,005581491	ENST00000460586	101927494	XR_245082	LOC101927494
A_24_P309095	1,43135	1,43939	-1,005588461	ENST00000424685	5649	NM_005045	RELN
A_24_P272917	5,45933	5,46738	-1,005595431	ENST00000504104	728373	NM_001242326	USP17L25
A_22_P00015981	1,35021	1,35829	-1,005616342	ENST00000489626	102724407	XR_426250	LOC102724407
A_21_P0012447	1,64766	1,65574	-1,005616342	ENST00000509077	4638	NM_053027	MYLK
A_22_P00019549	1,61825	1,62634	-1,005623312	N/A	N/A	DB193767	Inc-H3F3C-4
A_23_P135769	14,3805	14,3886	-1,005630283	ENST00000462494	60	NM_001101	ACTB
A_23_P88046	11,5606	11,5687	-1,005630283	ENST00000309957	55739	NM_018210	CARKD



A_33_P3308716	1,55787	1,56598	-1,005637253	ENST00000390282	N/A	L39131	N/A
A_22_P00014641	1,53931	1,54743	-1,005644224	ENST00000455711	100144597	N/A	LINC01056
A_23_P41498	1,35331	1,36144	-1,005651195	ENST00000237653	130	NM_000672	ADH6
A_22_P00008242	1,43421	1,44234	-1,005651195	ENST00000554043	N/A	N/A	N/A
A_23_P45913	8,72367	8,73183	-1,005672107	ENST00000474025	9410	NM_004814	SNRNP40
A_33_P3296024	8,32394	8,33211	-1,005679078	ENST00000612458	27164	NM_171999	SALL3
A_22_P00016512	1,54972	1,5579	-1,005686048	ENST00000443479	N/A	N/A	N/A
A_21_P0003806	1,85222	1,86041	-1,005693019	N/A	N/A	N/A	Inc-DCTD-6
A_22_P00006203	1,56237	1,57056	-1,005693019	N/A	100874528	NR_104188	XXYLT1-AS1
A_23_P71513	12,0867	12,0949	-1,00569999	ENST00000254624	23167	NM_015137	EFR3A
A_22_P00024568	1,6376	1,64582	-1,005713932	N/A	N/A	N/A	Inc-CLCN3-2
A_22_P00005282	1,48723	1,49545	-1,005713932	ENST00000448431	101928031	XR_245032	LOC101928031
A_22_P00003938	1,64943	1,65766	-1,005720904	ENST00000554046	N/A	BQ028359	N/A
A_33_P3329482	1,80933	1,81756	-1,005720904	ENST00000324682	286187	NM_001013626	PPP1R42
A_23_P29924	9,45201	9,46024	-1,005720904	ENST00000382753	85013	NM_032927	TMEM128
A_23_P327069	9,74734	9,75557	-1,005720904	ENST00000307659	9778	NM_014743	KIAA0232
A_21_P0000129	1,40498	1,41322	-1,005727875	ENST00000460982	9201	NM_001195430	DCLK1
A_23_P12357	1,44739	1,45564	-1,005734846	ENST00000535699	23418	NM_201253	CRB1
A_21_P0004472	1,4897	1,49797	-1,005748788	N/A	N/A	N/A	Inc-BOD1-1
A_33_P3279550	1,45908	1,46735	-1,005748788	ENST00000366810	83881	NM_001282402	MIXL1
A_33_P3341540	5,14467	5,15296	-1,005762731	N/A	N/A	N/A	N/A
A_21_P0007300	1,55984	1,56815	-1,005776674	N/A	102725260	N/A	LOC102725260
A_21_P0000525	5,33771	5,34603	-1,005783646	N/A	285847	NR_027117	LOC285847
A_22_P00011269	4,42223	4,43055	-1,005783646	N/A	N/A	N/A	Inc-OR51B6-1
A_21_P0006683	1,37756	1,38588	-1,005783646	N/A	N/A	N/A	Inc-C10orf35-2
A_21_P0007104	1,38306	1,39139	-1,005790617	N/A	N/A	N/A	Inc-JMJD1C-1
A_22_P00022735	1,4926	1,50093	-1,005790617	N/A	N/A	N/A	Inc-C20orf62-2
A_22_P00005740	1,62088	1,62924	-1,005811532	ENST00000549104	N/A	DB151746	N/A
A_22_P00013027	4,54102	4,54938	-1,005811532	ENST00000441383	104326057	NR_126370	GACAT1
A_22_P00006062	1,37725	1,38562	-1,005818504	N/A	N/A	BC059397	Inc-FAM132B-1
A_21_P0006831	1,69796	1,70634	-1,005825476	N/A	N/A	N/A	Inc-ITIH2-6
A_33_P3313245	9,22664	9,23504	-1,00583942	ENST00000506639	23600	NM_001167595	AMACR
A_22_P00012394	1,61889	1,6273	-1,005846392	N/A	N/A	N/A	Inc-PRKAG2-2

A_23_P362810	1,46051	1,46893	-1,005853364	ENST00000616659	132200	NR_026866	C3orf49
A_21_P0010096	1,5463	1,55473	-1,005860336	N/A	N/A	N/A	Inc-MC3R-2
A_19_P00808384	1,49101	1,49945	-1,005867308	N/A	N/A	N/A	Inc-TNFAIP3-1
A_22_P00011027	4,2519	4,26036	-1,005881252	N/A	101930305	XR_247850	LOC101930305
A_21_P0013991	4,81549	4,82395	-1,005881252	ENST00000612308	N/A	N/A	N/A
A_22_P00017881	1,52212	1,53058	-1,005881252	ENST00000420548	N/A	N/A	N/A
A_33_P3211384	3,74045	3,74892	-1,005888224	ENST00000600359	80726	NM_001145305	KIAA1683
A_22_P00025588	1,46134	1,46981	-1,005888224	N/A	N/A	N/A	Inc-DDX27-4
A_22_P00005205	3,65523	3,66372	-1,005902169	N/A	N/A	AL832611	Inc-DLGAP3-1
A_33_P3312519	1,36032	1,36881	-1,005902169	ENST00000606109	448834	NM_001025231	KPRP
A_22_P00008380	1,47022	1,47872	-1,005909142	N/A	N/A	N/A	Inc-JAM3-2
A_22_P00003345	1,48228	1,49078	-1,005909142	N/A	101929514	XR_425617	LOC101929514
A_33_P3294826	6,20661	6,21511	-1,005909142	ENST00000368220	1382	NM_001199723	CRABP2
A_21_P0002605	1,35174	1,36025	-1,005916114	N/A	102724744	XR_425445	LOC102724744
A_22_P00009171	1,69529	1,7038	-1,005916114	ENST00000544086	N/A	N/A	N/A
A_33_P3330418	1,45989	1,4684	-1,005916114	ENST00000322301	26659	NM_017506	OR7A5
A_32_P85676	1,36366	1,37218	-1,005923086	ENST00000510398	55351	NM_018401	STK32B
A_21_P0003494	1,68727	1,6958	-1,005930059	ENST00000416680	N/A	N/A	N/A
A_23_P155360	6,52017	6,52871	-1,005937032	ENST00000425430	79885	NM_024827	HDAC11
A_21_P0013942	1,61616	1,62471	-1,005944004	N/A	N/A	N/A	N/A
A_23_P417951	1,45654	1,46512	-1,005964923	ENST00000322128	85453	NM_033512	TSPYL5
A_21_P0011757	1,4325	1,44108	-1,005964923	N/A	N/A	N/A	XLOC_I2_007096
A_33_P3211423	11,3252	11,3338	-1,005978868	ENST00000239231	79646	BX648891	PANK3
A_24_P355649	10,4141	10,4227	-1,005978868	ENST00000528790	2313	NM_002017	FLI1
A_23_P306941	1,61656	1,62517	-1,005985841	ENST00000615003	266747	NM_153615	RGL4
A_24_P562369	1,63111	1,63973	-1,005992814	ENST00000420443	N/A	N/A	N/A
A_33_P3384977	1,55546	1,56409	-1,005999787	N/A	N/A	N/A	N/A
A_23_P49412	9,92091	9,92955	-1,00600676	ENST00000571654	78994	NM_024031	PRR14
A_33_P3282404	1,43837	1,44705	-1,006034653	ENST00000333891	27445	NM_033026	PCLO
A_22_P00025763	1,42874	1,43744	-1,0060486	ENST00000456440	N/A	N/A	N/A
A_22_P00008390	1,39127	1,39998	-1,006055573	ENST00000562900	N/A	BX118230	N/A
A_24_P817863	1,9059	1,91461	-1,006055573	ENST00000272845	285175	NM_032504	UNC80
A_23_P41789	1,43724	1,44598	-1,006076494	ENST00000506176	28965	NM_001017372	SLC27A6

A_33_P3366484	6,3526	6,36135	-1,006083467	ENST00000622246	26275	NM_198047	HIBCH
A_23_P60793	5,64754	5,65632	-1,006104389	N/A	80161	NR_026710	ASMTL-AS1
A_22_P00007016	1,49238	1,50117	-1,006111362	ENST00000486954	285972	NR_034033	LINC00996
A_33_P3358676	1,67697	1,68576	-1,006111362	ENST00000438699	403323	XR_252551	LOC403323
A_22_P00004525	1,64318	1,65198	-1,006118336	N/A	N/A	BI823728	Inc-CRB2-1
A_23_P77430	12,1352	12,144	-1,006118336	ENST00000568463	54496	NM_019023	PRMT7
A_21_P0004017	1,36526	1,37407	-1,00612531	N/A	N/A	N/A	Inc-RP11-428C6.1.1-2
A_21_P0009029	1,44523	1,45404	-1,00612531	N/A	102723323	XR_424702	LOC102723323
A_33_P3403913	2,03163	2,04045	-1,006132284	ENST00000562687	N/A	N/A	N/A
A_22_P00002469	1,43398	1,4428	-1,006132284	N/A	N/A	BF846222	Inc-C15orf48-1
A_22_P00006255	1,67069	1,67953	-1,006146232	ENST00000416595	N/A	N/A	N/A
A_33_P3348061	1,4575	1,46635	-1,006153206	ENST00000216144	164633	NM_182527	CABP7
A_21_P0001199	1,44333	1,4522	-1,006167155	ENST00000458070	N/A	N/A	N/A
A_23_P373464	1,34984	1,35873	-1,006181103	ENST00000317233	3899	NM_002285	AFF3
A_22_P00008657	1,43658	1,44548	-1,006188077	N/A	N/A	N/A	Inc-KIAA0196-3
A_33_P3396771	1,53832	1,54722	-1,006188077	N/A	N/A	N/A	N/A
A_33_P3398074	2,61524	2,62415	-1,006195052	N/A	100133319	AF132201	PRO1804
A_33_P3298935	1,39783	1,40674	-1,006195052	ENST00000431627	N/A	N/A	N/A
A_33_P3239467	1,37501	1,38394	-1,006209001	ENST00000589300	150135	NR_027272	LINC00479
A_21_P0010526	1,38925	1,39819	-1,006215975	N/A	N/A	N/A	XLOC_I2_000138
A_21_P0002485	1,44225	1,45119	-1,006215975	N/A	N/A	N/A	Inc-ST6GAL2-2
A_23_P129665	1,55839	1,56734	-1,00622295	ENST00000389202	3681	NM_005353	ITGAD
A_21_P0001464	1,6569	1,66586	-1,006229924	N/A	100506022	N/A	LOC100506022
A_22_P00004891	1,54905	1,55802	-1,006236899	ENST00000553762	102723742	BI520443	LINC01500
A_23_P76488	15,2285	15,2375	-1,006257823	ENST00000256951	2012	NM_001423	EMP1
A_33_P3351622	1,53505	1,54407	-1,006271773	ENST00000376301	53904	N/A	MYO3A
A_21_P0004251	1,45387	1,4629	-1,006278748	N/A	N/A	N/A	Inc-CTD-2203A3.1.1-2
A_22_P00016302	1,69161	1,70065	-1,006285723	ENST00000544759	100128554	NR_015398	LOC100128554
A_21_P0001520	1,55092	1,55998	-1,006299673	N/A	N/A	N/A	Inc-ELTD1-3
A_22_P00025255	1,55583	1,5649	-1,006306649	N/A	N/A	N/A	Inc-LRRC7-2
A_22_P00013297	1,6326	1,64168	-1,006313624	N/A	N/A	DB574386	Inc-RP11-1105G2.3.1-2
A_23_P31747	11,476	11,4851	-1,006327574	ENST00000519791	84933	NM_032847	C8orf76
A_23_P784	11,8722	11,8813	-1,006327574	ENST00000471853	84328	NM_032368	LZIC

A_33_P3301524	12,0048	12,0139	-1,006327574	ENST00000554811	7517	NM_001100119	XRCC3
A_24_P15658	1,40395	1,41306	-1,00633455	ENST00000315948	116068	NM_198273	LYSMD3
A_22_P00013405	1,55225	1,56136	-1,00633455	ENST00000525832	N/A	N/A	N/A
A_21_P0008471	1,68534	1,69446	-1,006341525	N/A	N/A	N/A	Inc-GALC-6
A_33_P3401146	1,48581	1,49493	-1,006341525	N/A	N/A	N/A	N/A
A_23_P71415	9,54116	9,55031	-1,006362452	ENST00000524254	55093	NM_018024	WDYHV1
A_24_P328524	1,49295	1,5021	-1,006362452	ENST00000240874	8997	NM_003947	KALRN
A_21_P0001341	1,45689	1,46606	-1,006376403	N/A	N/A	N/A	Inc-ABCD3-2
A_23_P258698	10,4372	10,4464	-1,00639733	ENST00000226578	4126	NM_005908	MANBA
A_33_P3224090	1,47502	1,48424	-1,006411282	ENST00000553818	N/A	XR_243240	N/A
A_33_P3235410	8,10874	8,11796	-1,006411282	N/A	9200	BC027709	PTPLA
A_22_P00018797	1,54286	1,55209	-1,006418258	ENST00000414598	N/A	N/A	N/A
A_33_P3475906	1,53595	1,54519	-1,006425234	N/A	100130331	NR_027247	LOC100130331
A_21_P0005019	1,50512	1,51437	-1,00643221	N/A	N/A	N/A	Inc-MAS1L-1
A_21_P0008833	1,52614	1,5354	-1,006439186	N/A	N/A	N/A	Inc-PML-1
A_22_P00008141	1,49298	1,50225	-1,006446162	N/A	N/A	N/A	Inc-IL5RA-6
A_23_P202170	13,9395	13,9488	-1,006467091	ENST00000361464	10724	NM_012215	MGEA5
A_33_P3239352	1,51209	1,52139	-1,006467091	ENST00000282075	57818	NM_021176	G6PC2
A_33_P3225625	1,50935	1,51865	-1,006467091	ENST00000610889	445347	NM_001003799	TARP
A_22_P00014627	1,37787	1,38719	-1,006481043	N/A	N/A	BX649099	Inc-SLC16A3-5
A_19_P00321478	1,51631	1,52565	-1,006494996	N/A	N/A	N/A	Inc-MACC1-1
A_22_P00019904	1,43529	1,44465	-1,006508949	N/A	N/A	AK125799	Inc-ISLR-1
A_21_P0002317	1,39673	1,40609	-1,006508949	N/A	N/A	N/A	Inc-ITGA6-2
A_22_P00010904	6,94825	6,95761	-1,006508949	ENST00000562672	N/A	BC033347	N/A
A_33_P3367541	1,46723	1,4766	-1,006515926	N/A	N/A	N/A	Inc-SEC61G-7
A_32_P201530	1,69666	1,70603	-1,006515926	ENST00000615049	80725	NM_025248	SRCIN1
A_19_P00813077	4,62804	4,63742	-1,006522903	ENST00000611127	375190	NM_001145710	FAM228B
A_33_P3270559	1,41381	1,42319	-1,006522903	ENST00000549927	374470	N/A	C12orf42
A_23_P132417	10,2058	10,2152	-1,006536856	ENST00000265245	55341	NM_018385	LSG1
A_33_P3314341	4,15066	4,16006	-1,006536856	ENST00000374244	158405	XM_006716978	KIAA1958
A_23_P35645	11,397	11,4064	-1,006536856	ENST00000379888	84991	NM_032905	RBM17
A_22_P00010590	1,52675	1,53617	-1,00655081	ENST00000553534	N/A	N/A	N/A
A_21_P0000983	1,6879	1,69735	-1,006571741	ENST00000449140	N/A	N/A	N/A

A_33_P3334708	1,48917	1,49864	-1,006585695	N/A	729627	NM_001134659	PRR23A
A_33_P3210463	2,5246	2,53408	-1,006592672	ENST00000381423	343641	NM_198994	TGM6
A_22_P00025894	1,63454	1,64402	-1,006592672	ENST00000431395	104266963	N/A	LINC01264
A_21_P0009186	1,48432	1,4938	-1,006592672	ENST00000453339	N/A	N/A	N/A
A_21_P0005167	6,08533	6,09482	-1,006599649	ENST00000563807	N/A	N/A	N/A
A_21_P0013087	1,45371	1,46321	-1,006606626	N/A	101928307	XR_241856	LOC101928307
A_24_P944253	1,36583	1,37534	-1,006613604	ENST00000489245	89857	NM_130446	KLHL6
A_22_P00020021	1,45074	1,46025	-1,006613604	N/A	N/A	BC033402	Inc-SKP2-1
A_23_P1740	1,53937	1,54888	-1,006613604	ENST00000611284	4684	NM_001076682	NCAM1
A_23_P111240	9,19078	9,2003	-1,006620581	ENST00000367582	9749	NM_014721	PHACTR2
A_23_P123172	6,06017	6,06971	-1,006634536	ENST00000479887	441295	NR_002157	OR2A9P
A_23_P31532	7,92211	7,93166	-1,006641513	ENST00000275766	92092	NM_080660	ZC3HAV1L
A_22_P00020584	1,46909	1,47864	-1,006641513	ENST00000502437	N/A	N/A	N/A
A_23_P143987	8,78118	8,79074	-1,006648491	ENST00000354956	10533	NM_006395	ATG7
A_21_P0000619	1,44535	1,45491	-1,006648491	N/A	100128505	NR_033973	ASTN2-AS1
A_33_P3282023	1,43406	1,44362	-1,006648491	N/A	N/A	N/A	N/A
A_22_P00012449	1,37245	1,38205	-1,006676401	N/A	N/A	N/A	Inc-PRPF18-4
A_22_P00019349	2,33729	2,34689	-1,006676401	N/A	N/A	AW978577	Inc-GTSF1L-1
A_22_P00024016	1,6146	1,6242	-1,006676401	N/A	101927543	NR_125419	LOC101927543
A_21_P0006540	1,61266	1,62227	-1,006683379	N/A	N/A	N/A	Inc-MAGEE2-1
A_23_P309292	6,58169	6,5913	-1,006683379	ENST00000311694	283450	NM_001109662	HECTD4
A_22_P00018271	1,46665	1,47627	-1,006690357	N/A	N/A	N/A	Inc-ZNF750-1
A_21_P0006580	6,38202	6,39164	-1,006690357	ENST00000616978	84679	NM_001257291	SLC9A7
A_21_P0013412	1,62684	1,63647	-1,006697335	N/A	N/A	N/A	Inc-AGR3-1
A_22_P00022549	1,55015	1,55979	-1,006704313	ENST00000456715	N/A	N/A	N/A
A_33_P3209457	1,48131	1,49098	-1,006725247	ENST00000372419	5631	N/A	PRPS1
A_33_P3270668	1,6182	1,62788	-1,006732225	ENST00000409222	9715	NM_001031690	FAM131B
A_22_P00017910	1,41747	1,42717	-1,006746181	N/A	N/A	N/A	Inc-ZFP2-1
A_33_P3541279	3,60307	3,61277	-1,006746181	N/A	N/A	AF116649	N/A
A_22_P00009509	1,5176	1,5273	-1,006746181	ENST00000505002	N/A	N/A	N/A
A_33_P3462960	10,3027	10,3124	-1,006746181	ENST00000602402	5611	NM_006260	DNAJC3
A_22_P00022030	1,48414	1,49385	-1,00675316	N/A	102724246	NR_110796	TTC39C-AS1
A_33_P3422923	1,66707	1,67679	-1,006760138	ENST00000491596	151325	NR_003143	MYADML

A_22_P00017732	1,36345	1,37318	-1,006767116	ENST00000432942	N/A	N/A	N/A
A_22_P00006978	1,45247	1,4622	-1,006767116	N/A	N/A	DB156604	Inc-GDF5-1
A_22_P00008603	1,39628	1,40603	-1,006781073	ENST00000449531	N/A	BX105718	N/A
A_21_P0012422	1,62214	1,63189	-1,006781073	N/A	N/A	N/A	XLOC_I2_010056
A_23_P59358	7,91278	7,92253	-1,006781073	ENST00000524064	285753	NM_173830	CEP57L1
A_22_P00020538	1,5525	1,56226	-1,006788052	N/A	N/A	DA116381	Inc-ICA1-1
A_21_P0009497	1,53408	1,54386	-1,006802009	N/A	N/A	N/A	Inc-SOCS6-4
A_33_P3254727	1,68216	1,69194	-1,006802009	N/A	N/A	N/A	N/A
A_22_P00024638	1,3668	1,37659	-1,006808987	N/A	N/A	BX110003	Inc-EMILIN2-2
A_23_P207387	9,10977	9,11958	-1,006822945	ENST00000428494	84514	NM_032484	GHDC
A_24_P309645	9,3626	9,37241	-1,006822945	ENST00000551127	53373	NM_017901	TPCN1
A_19_P00319682	1,42764	1,43746	-1,006829924	ENST00000465870	9208	NM_001137550	LRRFIP1
A_21_P0002633	1,64505	1,65489	-1,006843881	N/A	N/A	N/A	Inc-AC112715.2.1-1
A_21_P0003356	1,53512	1,54497	-1,00685086	ENST00000510602	N/A	N/A	N/A
A_22_P00013388	1,42536	1,43522	-1,006857839	ENST00000509666	N/A	N/A	N/A
A_33_P3421656	1,49135	1,50121	-1,006857839	ENST00000370869	27283	NM_014464	TINAG
A_21_P0014546	1,52196	1,53182	-1,006857839	N/A	N/A	N/A	N/A
A_33_P8579064	8,55915	8,56903	-1,006871797	ENST00000484770	9849	AK095317	ZNF518A
A_21_P0004716	1,54179	1,55169	-1,006885756	ENST00000612554	N/A	N/A	N/A
A_24_P397294	6,54073	6,55063	-1,006885756	ENST00000510544	4056	NM_145867	LTC4S
A_23_P84705	1,50335	1,51326	-1,006892735	ENST00000582931	23495	NM_012452	TNFRSF13B
A_33_P3723827	1,3833	1,39322	-1,006899714	N/A	N/A	N/A	N/A
A_33_P3277228	1,61285	1,62278	-1,006906693	N/A	N/A	N/A	N/A
A_33_P3342153	1,68053	1,69046	-1,006906693	ENST00000526929	392188	NM_001256872	USP17L8
A_22_P00011664	1,43845	1,44839	-1,006913673	N/A	N/A	N/A	Inc-PDE6A-1
A_21_P0004215	1,34943	1,35937	-1,006913673	N/A	N/A	N/A	Inc-ADAMTS16-2
A_22_P00021683	1,5542	1,56414	-1,006913673	N/A	101929109	XR_241821	LOC101929109
A_24_P307384	3,54743	3,55742	-1,00694857	ENST00000511127	N/A	N/A	N/A
A_33_P3236416	5,98135	5,99135	-1,00695555	ENST00000621958	440435	NM_001004334	GPR179
A_22_P00013324	1,47556	1,48557	-1,00696253	ENST00000569048	N/A	N/A	N/A
A_21_P0001022	1,41198	1,422	-1,00696951	ENST00000412932	N/A	N/A	N/A
A_22_P00011016	1,62392	1,63394	-1,00696951	N/A	100129213	NR_038419	SLC39A12-AS1
A_21_P0002642	1,45586	1,4659	-1,006983469	ENST00000453678	102723818	NR_110580	LINC01248

A_21_P0013450	1,77455	1,78459	-1,006983469	ENST00000419883	N/A	N/A	N/A
A_21_P0012000	1,39291	1,40296	-1,006990449	ENST00000604250	104355288	NR_126404	LINC01320
A_33_P3421438	1,77318	1,78324	-1,006997429	N/A	N/A	N/A	N/A
A_22_P00022069	1,43059	1,44065	-1,006997429	ENST00000437830	101928226	NR_125950	LOC101928226
A_19_P00802448	1,50014	1,51023	-1,007018369	N/A	N/A	N/A	Inc-ANKRA2-3
A_21_P0008108	1,54916	1,55925	-1,007018369	N/A	N/A	N/A	Inc-RAP2A-1
A_21_P0001242	1,35741	1,3675	-1,007018369	ENST00000457698	101927683	NR_110683	LOC101927683
A_23_P61050	11,3028	11,3129	-1,007025349	ENST00000308807	197259	NM_152649	MLKL
A_33_P3320197	1,64692	1,65706	-1,00705327	ENST00000619265	285016	NM_001002919	FAM150B
A_21_P0004843	1,80964	1,8198	-1,007067231	N/A	N/A	N/A	Inc-CD83-3
A_22_P00001409	1,51117	1,52134	-1,007074212	N/A	N/A	N/A	Inc-APC-4
A_22_P00006746	1,48752	1,4977	-1,007081192	ENST00000558818	N/A	N/A	N/A
A_22_P00011539	1,5308	1,54101	-1,007102134	N/A	N/A	N/A	Inc-PCDH10-5
A_22_P00013040	1,48511	1,49532	-1,007102134	N/A	N/A	N/A	Inc-RGS18-6
A_33_P3237522	1,44711	1,45735	-1,007123076	N/A	100128568	NR_046376	LOC100128568
A_22_P00000571	1,43296	1,44322	-1,007137038	ENST00000527270	N/A	N/A	N/A
A_33_P3407672	1,4251	1,43538	-1,007151	ENST00000334680	337979	BC101686	KRTAP22-1
A_33_P3242783	4,62906	4,63935	-1,007157981	N/A	440082	AK131474	LOC440082
A_21_P0003922	4,24554	4,25584	-1,007164962	ENST00000510067	101929284	N/A	LOC101929284
A_33_P3249291	1,49051	1,50081	-1,007164962	ENST00000566668	146177	NM_173615	VWA3A
A_22_P00020733	1,35433	1,36465	-1,007178925	N/A	N/A	CR748887	Inc-TLR2-1
A_22_P00023836	1,48467	1,49499	-1,007178925	ENST00000520386	N/A	BX113303	N/A
A_21_P0014863	8,62902	8,63935	-1,007185906	N/A	5527	BC051442	PPP2R5C
A_21_P0006159	1,64885	1,6592	-1,007199869	ENST00000417801	101927477	NR_121212	LINC01507
A_23_P167349	1,48928	1,49965	-1,007213831	ENST00000503472	2638	NM_000583	GC
A_21_P0006072	1,5469	1,55727	-1,007213831	ENST00000426358	N/A	N/A	N/A
A_21_P0001903	1,48592	1,4963	-1,007220813	N/A	N/A	N/A	Inc-BCL2L11-3
A_33_P3327041	1,42734	1,43772	-1,007220813	N/A	100128054	NR_033969	PLCE1-AS1
A_23_P203737	11,621	11,6314	-1,007234776	ENST00000535943	92105	NM_033547	INTS4
A_33_P3300361	1,47349	1,4839	-1,007241758	N/A	100129397	AK095841	LOC100129397
A_33_P3318122	7,08595	7,09637	-1,007248739	ENST00000566850	57020	NM_020314	C16orf62
A_24_P251969	1,51214	1,52256	-1,007248739	ENST00000378046	2246	NM_000800	FGF1
A_33_P3222129	1,44435	1,45477	-1,007248739	ENST00000402971	389090	NM_001005853	OR6B2

A_33_P3299042	3,97147	3,9819	-1,007255721	N/A	N/A	N/A	N/A
A_33_P3384942	1,48075	1,49118	-1,007255721	N/A	N/A	N/A	N/A
A_33_P3384362	1,42755	1,43798	-1,007255721	N/A	N/A	N/A	Inc-ZIC1-1
A_22_P00014315	1,54793	1,55839	-1,007276667	N/A	N/A	N/A	Inc-SERPINB3-3
A_24_P204819	1,77439	1,78487	-1,007290631	ENST00000302805	10251	NM_005840	SPRY3
A_22_P00003206	8,25229	8,26278	-1,007297613	ENST00000532232	100505532	N/A	LINC01301
A_21_P0014751	4,82837	4,83886	-1,007297613	N/A	N/A	N/A	N/A
A_22_P00023573	5,39768	5,40818	-1,007304595	N/A	N/A	AK096995	Inc-MAB21L2-1
A_23_P41009	9,49549	9,506	-1,007311577	ENST00000457927	51368	NM_015926	TEX264
A_22_P00013845	1,47155	1,48206	-1,007311577	N/A	102724784	NR_120590	LOC102724784
A_33_P3380032	1,4699	1,48042	-1,007318559	ENST00000620294	729528	NM_001024661	PRAMEF14
A_21_P0010816	1,52599	1,53652	-1,007325541	ENST00000420453	N/A	N/A	N/A
A_21_P0002231	1,55047	1,561	-1,007325541	ENST00000441506	101927533	XR_245012	LOC101927533
A_33_P3392530	1,55272	1,56325	-1,007325541	ENST00000399989	139604	NM_001099921	MAGEB16
A_33_P3270723	1,54406	1,5546	-1,007332524	ENST00000613504	201625	NM_198564	DNAH12
A_22_P00012314	1,61094	1,62149	-1,007339506	N/A	N/A	N/A	Inc-PPP6C-1
A_21_P0001468	1,52281	1,53337	-1,007346488	N/A	N/A	N/A	Inc-LRRC38-4
A_32_P45974	1,48307	1,49363	-1,007346488	N/A	29798	BC071972	C2orf27A
A_22_P00002411	1,43912	1,44968	-1,007346488	N/A	N/A	N/A	Inc-C14orf166B-2
A_21_P0006907	1,53562	1,54619	-1,007353471	N/A	N/A	N/A	Inc-ADD3-3
A_21_P0007794	1,54619	1,55678	-1,007367436	N/A	N/A	N/A	Inc-SLC15A4-9
A_21_P0004851	1,67715	1,68775	-1,007374418	N/A	N/A	N/A	Inc-HDGFL1-2
A_23_P212639	13,3612	13,3718	-1,007374418	ENST00000456380	6434	NM_004593	TRA2B
A_22_P00014440	1,61001	1,62065	-1,007402349	ENST00000519185	N/A	BX103480	N/A
A_33_P3433258	1,485	1,49565	-1,007409332	ENST00000509932	401134	NR_033976	LOC401134
A_22_P00019847	1,44668	1,45733	-1,007409332	ENST00000535153	N/A	BC034423	N/A
A_33_P3212037	6,51707	6,52773	-1,007416315	ENST00000369475	8732	AB012143	RNGTT
A_21_P0013617	2,42836	2,43904	-1,00743028	N/A	101930048	N/A	LOC101930048
A_22_P00010385	1,45598	1,46666	-1,00743028	N/A	N/A	N/A	Inc-MYL4-2
A_33_P3687604	1,5196	1,53028	-1,00743028	N/A	285173	AK093315	LOC285173
A_24_P217758	8,31194	8,32263	-1,007437263	N/A	4238	NM_001242336	MFAP3
A_21_P0002834	1,43324	1,44394	-1,007444246	ENST00000420000	N/A	N/A	N/A
A_33_P3274189	4,94824	4,95895	-1,00745123	N/A	N/A	N/A	N/A



A_22_P00008287	1,57599	1,5867	-1,00745123	ENST00000378799	9798	N/A	IST1
A_21_P0002159	1,74219	1,75291	-1,007458213	N/A	N/A	N/A	Inc-TRAPPC12-3
A_23_P158775	5,81683	5,82756	-1,007465196	ENST00000302509	7369	NM_003361	UMOD
A_24_P25544	1,40152	1,41226	-1,007472179	ENST00000502572	2668	NM_000514	GDNF
A_33_P3299339	1,49683	1,50757	-1,007472179	ENST00000409059	60482	NM_021815	SLC5A7
A_24_P351466	1,41028	1,42103	-1,007479162	ENST00000491772	57650	NM_020890	KIAA1524
A_21_P0007520	1,42833	1,43909	-1,007486146	N/A	N/A	N/A	Inc-FOXJ2-1
A_33_P3327106	1,38673	1,39749	-1,007486146	N/A	100129900	AF109190	LOC100129900
A_33_P3244151	1,53185	1,54263	-1,007500113	N/A	N/A	N/A	N/A
A_21_P0001163	1,47761	1,48841	-1,00751408	ENST00000414418	N/A	N/A	N/A
A_23_P105651	1,384	1,3948	-1,00751408	ENST00000402685	29951	NM_013377	PDZRN4
A_24_P49298	1,50412	1,51494	-1,007528047	ENST00000242505	317662	AB023191	FAM149B1
A_22_P00005108	1,43595	1,44677	-1,007528047	N/A	N/A	N/A	Inc-DHRS7-2
A_23_P50799	7,45167	7,46251	-1,007542014	ENST00000305899	26538	NM_013939	OR10H2
A_23_P89380	1,46573	1,47658	-1,007548998	ENST00000399246	6521	NM_000342	SLC4A1
A_33_P3547141	1,52772	1,53859	-1,007562966	N/A	N/A	AF130053	N/A
A_32_P4262	1,42241	1,43328	-1,007562966	ENST00000377308	26074	NM_015585	CFAP61
A_21_P0010014	1,63963	1,65051	-1,00756995	N/A	N/A	N/A	Inc-FOXA2-3
A_33_P3249214	8,99156	9,00244	-1,00756995	ENST00000504123	246175	NM_001286790	CNOT6L
A_21_P0012746	1,47334	1,48423	-1,007576934	ENST00000513270	104355285	N/A	LINC01256
A_21_P0000825	1,52078	1,53167	-1,007576934	N/A	100506385	N/A	LINC01426
A_32_P114746	2,72047	2,73138	-1,007590902	ENST00000620601	284680	NM_182581	C1orf111
A_33_P3332576	1,67553	1,68644	-1,007590902	ENST00000311104	134391	NM_194251	GPR151
A_19_P00318544	1,62499	1,63591	-1,007597886	ENST00000455821	101929337	NR_125402	LOC101929337
A_22_P00000447	1,54676	1,55768	-1,007597886	ENST00000446024	N/A	N/A	N/A
A_24_P630490	5,39002	5,40098	-1,007625823	ENST00000375129	494513	NM_001042702	DFNB59
A_21_P0009733	1,5323	1,54327	-1,007632807	N/A	N/A	N/A	Inc-CTD-2368P22.1.1-1
A_21_P0006944	1,5374	1,54837	-1,007632807	ENST00000418524	N/A	N/A	N/A
A_33_P3274462	1,51002	1,52099	-1,007632807	ENST00000565755	643714	NR_033920	CASC16
A_22_P00002237	1,48896	1,49994	-1,007639791	N/A	N/A	N/A	Inc-C10orf11-3
A_21_P0007653	1,52712	1,5381	-1,007639791	ENST00000620193	N/A	N/A	N/A
A_23_P402936	1,51299	1,52397	-1,007639791	ENST00000551461	8499	NM_003625	PPFIA2
A_19_P00800206	10,924	10,935	-1,00765376	ENST00000449259	400958	N/A	LOC400958

A_23_P148600	4,95746	4,96847	-1,007660745	N/A	8552	NR_024616	INE1
A_33_P3242214	1,54711	1,55812	-1,007660745	ENST00000517343	100505739	NR_110433	LOC100505739
A_22_P00000279	1,51998	1,53101	-1,007674714	N/A	N/A	N/A	Inc-AC008394.1-1
A_33_P3270364	1,51428	1,52532	-1,007681699	ENST00000275162	134829	NM_001010852	CLVS2
A_23_P214244	1,48793	1,49897	-1,007681699	ENST00000230565	59084	NM_021572	ENPP5
A_21_P0014045	1,54822	1,55927	-1,007688684	ENST00000533930	49	NM_001097	ACR
A_23_P373799	9,06061	9,07166	-1,007688684	ENST00000410053	57703	NM_020943	CWC22
A_22_P00011036	1,43388	1,44495	-1,007702653	ENST00000416553	N/A	N/A	N/A
A_33_P3268035	2,27145	2,28253	-1,007709638	ENST00000375500	84569	NM_032517	LYZL1
A_23_P135977	11,8537	11,8648	-1,007723608	ENST00000354558	9793	NM_001008938	CKAP5
A_23_P3532	12,7969	12,808	-1,007723608	ENST00000381810	9516	NM_004862	LITAF
A_23_P152727	13,1747	13,1858	-1,007723608	ENST00000579197	9842	NM_014798	PLEKHM1
A_24_P66528	11,7091	11,7202	-1,007723608	ENST00000619790	6726	NM_003133	SRP9
A_22_P00007193	1,49909	1,51021	-1,007737578	N/A	N/A	N/A	Inc-GP9-1
A_33_P3331952	2,00979	2,02091	-1,007737578	ENST00000456743	127062	NM_001004689	OR2M3
A_21_P0010760	1,38473	1,39586	-1,007744563	ENST00000458145	N/A	N/A	N/A
A_22_P00022228	1,41474	1,42593	-1,007786475	N/A	N/A	N/A	Inc-FAM213B-2
A_23_P65174	10,105	10,1162	-1,007793461	ENST00000495157	51131	NM_001040443	PHF11
A_22_P00006193	1,61221	1,62341	-1,007793461	ENST00000416309	158257	NR_046163	MIRLET7DHG
A_21_P0008434	1,35066	1,36187	-1,007800446	N/A	N/A	N/A	Inc-RPS29-1
A_33_P3296841	1,53063	1,54184	-1,007800446	N/A	100131034	AK126091	LOC100131034
A_22_P00019689	1,45257	1,46378	-1,007800446	ENST00000567803	N/A	DB051691	N/A
A_21_P0000317	7,58785	7,59908	-1,007814417	N/A	677807	NR_002961	SNORA22
A_32_P874898	1,54238	1,55362	-1,007821403	ENST00000390381	N/A	AB305818	N/A
A_22_P00014341	1,4796	1,49086	-1,007835374	ENST00000475324	N/A	N/A	N/A
A_22_P00001371	1,52183	1,5331	-1,00784236	N/A	284215	NR_036489	DLGAP1-AS5
A_21_P0012386	4,28591	4,29719	-1,007849346	ENST00000609293	101929607	N/A	LOC101929607
A_21_P0005882	1,53948	1,55076	-1,007849346	N/A	N/A	N/A	Inc-DPYS-2
A_21_P0009628	1,41966	1,43095	-1,007856332	ENST00000587877	101927921	NR_110792	LINC01478
A_21_P0007253	1,63042	1,64173	-1,007870304	N/A	N/A	N/A	Inc-TMEM135-2
A_24_P74571	8,11638	8,12769	-1,007870304	ENST00000489847	25776	NM_001002880	CBY1
A_21_P0008193	1,3706	1,38192	-1,00787729	N/A	N/A	N/A	Inc-SLITRK6-5
A_21_P0006796	1,37906	1,39038	-1,00787729	ENST00000414774	N/A	N/A	N/A

A_22_P00001753	1,42644	1,43777	-1,007884276	ENST00000557426	N/A	N/A	N/A
A_33_P3240163	1,63487	1,64622	-1,007898248	ENST00000382575	641517	NR_003668	DEFB109P1B
A_22_P00020981	1,5339	1,54525	-1,007898248	N/A	N/A	N21663	Inc-TMEM41B-3
A_23_P310560	8,12478	8,13614	-1,007905235	ENST00000521288	131870	NM_152395	NUDT16
A_21_P0014056	1,60814	1,6195	-1,007905235	ENST00000481831	50717	AK093176	DCAF8
A_21_P0004603	1,47404	1,4854	-1,007905235	ENST00000417773	387111	N/A	LINC00222
A_23_P314789	2,13982	2,15118	-1,007905235	ENST00000488508	131540	NM_001039617	ZDHHC19
A_19_P00321132	4,84795	4,85933	-1,007919207	ENST00000506206	101927136	NR_110840	LOC101927136
A_21_P0014657	5,18689	5,19827	-1,007919207	N/A	N/A	N/A	N/A
A_24_P219971	13,1165	13,1279	-1,00793318	ENST00000266069	54994	NM_017896	GID8
A_33_P3385101	13,5622	13,5736	-1,00793318	ENST00000317204	54472	NM_019009	TOLLIP
A_22_P00001163	1,4855	1,49692	-1,007947153	ENST00000420901	101928476	NR_125955	LOC101928476
A_22_P00014909	1,50207	1,51349	-1,007947153	ENST00000562197	100507050	NM_001195528	TPBGL
A_22_P00010609	1,42549	1,43692	-1,00795414	ENST00000411790	N/A	BC039180	N/A
A_22_P00023320	1,37364	1,38508	-1,007961126	N/A	N/A	BI826564	Inc-C9orf163-1
A_21_P0007496	1,54276	1,5542	-1,007961126	ENST00000548512	N/A	N/A	N/A
A_22_P00014402	1,53731	1,54876	-1,007968113	N/A	N/A	N/A	Inc-SGCA-1
A_33_P3323975	1,48841	1,49986	-1,007968113	N/A	N/A	N/A	N/A
A_22_P00000297	1,44199	1,45345	-1,0079751	N/A	N/A	BG212602	Inc-AC009365.3.1-3
A_22_P00007267	1,47211	1,48359	-1,007989073	N/A	100874361	NR_047115	PPP2R2B-IT1
A_22_P00024443	1,53634	1,54784	-1,008003047	ENST00000411946	N/A	N/A	N/A
A_21_P0010921	6,61053	6,62204	-1,008010034	N/A	414212	N/A	GLUD1P7
A_23_P203488	7,29214	7,30367	-1,008024008	ENST00000531336	6609	NM_000543	SMPD1
A_21_P0003577	1,52187	1,53342	-1,008037982	N/A	N/A	N/A	Inc-CPEB2-7
A_22_P00024973	1,61727	1,62882	-1,008037982	N/A	N/A	BI545612	Inc-SLC15A3-1
A_33_P3242609	1,47034	1,48189	-1,008037982	ENST00000344803	389763	NM_001001670	SPATA31D1
A_33_P3404126	8,73246	8,74406	-1,008072919	ENST00000430644	10336	XM_005272253	PCGF3
A_33_P3335895	1,4766	1,4882	-1,008072919	ENST00000435360	2670	NM_001242376	GFAP
A_21_P0011511	1,53854	1,55015	-1,008079906	N/A	N/A	N/A	XLOC_I2_005644
A_22_P00011796	1,53508	1,54671	-1,008093881	ENST00000413269	N/A	N/A	N/A
A_21_P0014148	1,51444	1,52607	-1,008093881	N/A	N/A	XR_108599	N/A
A_21_P0014067	1,67929	1,69093	-1,008100869	ENST00000412772	100506775	NR_117097	LINC01353
A_33_P3345225	1,3508	1,36244	-1,008100869	N/A	N/A	N/A	Inc-TMEFF2-3

A_22_P00023427	1,54181	1,55347	-1,008114844	N/A	101927139	NR_123718	LOC101927139
A_33_P3290335	1,53169	1,54337	-1,00812882	ENST00000366790	142	N/A	PARP1
A_23_P151232	1,35415	1,36583	-1,00812882	ENST00000435159	92293	NM_001136103	TMEM132C
A_33_P3321507	12,2341	12,2458	-1,008142796	ENST00000430969	84629	NM_001080495	TNRC18
A_23_P315933	12,4312	12,4429	-1,008142796	ENST00000497897	83451	NM_148912	ABHD11
A_33_P3372886	10,5912	10,6029	-1,008142796	ENST00000397333	317781	NM_175066	DDX51
A_33_P3223002	1,46516	1,47687	-1,008149784	ENST00000600626	27202	NM_001271749	C5AR2
A_22_P00025300	1,4329	1,44461	-1,008149784	N/A	N/A	N/A	Inc-MINA-1
A_21_P0004614	1,48658	1,49829	-1,008149784	ENST00000449069	N/A	N/A	N/A
A_22_P00022532	1,48115	1,49286	-1,008149784	ENST00000580258	N/A	BX116393	N/A
A_22_P00009922	1,34934	1,36106	-1,008156772	ENST00000453762	440700	NR_036683	LOC440700
A_22_P00003366	1,543	1,55475	-1,008177736	ENST00000457157	100996609	N/A	LINC01436
A_22_P00005961	1,48387	1,49566	-1,008205689	N/A	N/A	N/A	Inc-EXTL3-2
A_21_P0013004	1,48563	1,49743	-1,008212677	ENST00000507627	N/A	N/A	N/A
A_21_P0006306	1,5389	1,5507	-1,008212677	ENST00000603487	101928550	NR_121580	SMC2-AS1
A_22_P00012860	1,44615	1,45796	-1,008219666	ENST00000423593	N/A	N/A	N/A
A_22_P00001970	1,43049	1,4423	-1,008219666	ENST00000483544	144360	NR_029451	LINC00477
A_21_P0011544	1,41977	1,43158	-1,008219666	ENST00000565120	N/A	XM_006710033	N/A
A_24_P64918	8,2668	8,27861	-1,008219666	ENST00000554015	22890	NM_014950	ZBTB1
A_23_P80974	1,5404	1,55222	-1,008226654	ENST00000510293	6999	NM_005651	TDO2
A_22_P00013527	1,54415	1,556	-1,00824762	N/A	348021	NR_026852	LINC00442
A_21_P0007371	1,37668	1,38854	-1,008254609	N/A	N/A	N/A	Inc-FCHSD2-1
A_21_P0012356	1,61622	1,62808	-1,008254609	ENST00000432495	N/A	XR_249026	N/A
A_22_P00001148	5,89082	5,90269	-1,008261597	N/A	N/A	N/A	Inc-AMIGO1-1
A_24_P190007	1,68442	1,6963	-1,008268586	ENST00000381362	2813	XM_005255261	GP2
A_22_P00003087	1,89492	1,9068	-1,008268586	N/A	N/A	BC043573	Inc-C8orf74-1
A_33_P3256883	4,19709	4,20897	-1,008268586	N/A	N/A	N/A	N/A
A_21_P0012033	5,89255	5,90443	-1,008268586	N/A	N/A	N/A	Inc-DYNC112-1
A_33_P3420035	9,86196	9,87384	-1,008268586	ENST00000396077	353274	NM_181489	ZNF445
A_23_P136058	11,5228	11,5347	-1,008282564	ENST00000350721	545	NM_001184	ATR
A_33_P3246833	14,2824	14,2943	-1,008282564	ENST00000259206	3557	NM_173843	IL1RN
A_22_P00012931	1,48473	1,49664	-1,008289553	ENST00000509215	N/A	N/A	N/A
A_22_P00019112	1,47442	1,48635	-1,008303531	ENST00000412163	645188	XR_109780	LOC645188

A_33_P3418621	1,54531	1,55724	-1,008303531	ENST00000403807	7441	BC017922	VPREB1
A_23_P107623	1,53725	1,5492	-1,008317509	ENST00000269491	89777	NM_080474	SERPINB12
A_23_P252193	5,60432	5,61628	-1,008324498	ENST00000264741	3680	NM_002207	ITGA9
A_33_P3218490	1,48444	1,4964	-1,008324498	N/A	100128226	AB128931	LOC100128226
A_21_P0010037	1,48346	1,49543	-1,008331487	N/A	102724950	XR_425240	LOC102724950
A_21_P0008563	1,60686	1,61885	-1,008345466	ENST00000440479	338963	AK093496	LOC338963
A_22_P00022583	5,67676	5,68877	-1,008359444	N/A	N/A	N/A	Inc-SLURP1-1
A_33_P3311966	1,35327	1,36529	-1,008366434	N/A	N/A	N/A	N/A
A_21_P0009232	1,66279	1,67482	-1,008373423	N/A	N/A	N/A	Inc-NLK-1
A_22_P00002145	1,67013	1,68216	-1,008373423	ENST00000565177	N/A	AK058075	N/A
A_22_P00019853	1,53713	1,54916	-1,008373423	ENST00000486508	N/A	BU852190	N/A
A_22_P00020231	1,60629	1,61835	-1,008394392	N/A	N/A	N/A	Inc-CCNE2-1
A_22_P00025156	1,48214	1,4942	-1,008394392	ENST00000537280	N/A	DB035218	N/A
A_21_P0001633	1,48271	1,49479	-1,008408371	N/A	N/A	N/A	Inc-NVL-2
A_22_P00012431	1,34929	1,36137	-1,008408371	N/A	N/A	BX096603	Inc-PRMT8-2
A_21_P0005506	1,48979	1,5019	-1,008429341	N/A	N/A	N/A	Inc-CALN1-1
A_23_P68740	4,57658	4,58869	-1,008429341	ENST00000337909	326	NM_000383	AIRE
A_22_P00003955	1,34966	1,36182	-1,008464291	N/A	N/A	N/A	Inc-CHADL-3
A_19_P00321597	1,48355	1,49571	-1,008464291	ENST00000556462	388011	AK097943	LINC01550
A_21_P0007596	1,53801	1,55017	-1,008464291	N/A	N/A	N/A	Inc-LRR1Q1-1
A_22_P00002514	1,64629	1,65847	-1,008478271	N/A	101928682	NR_104667	LOC101928682
A_23_P159663	14,0882	14,1004	-1,008492252	ENST00000335890	8409	NM_004182	UXT
A_23_P46482	1,54027	1,55247	-1,008492252	ENST00000367096	50604	NM_018724	IL20
A_21_P0012941	1,48021	1,49241	-1,008492252	N/A	N/A	N/A	XLOC_l2_011579
A_21_P0002807	1,45142	1,46363	-1,008499242	ENST00000447709	N/A	N/A	N/A
A_21_P0012787	1,48113	1,49337	-1,008520214	N/A	N/A	N/A	Inc-COL25A1-1
A_22_P00009140	4,00394	4,01618	-1,008520214	ENST00000582983	101928144	XR_248480	LOC101928144
A_21_P0004796	1,43781	1,45006	-1,008527204	ENST00000433486	N/A	N/A	N/A
A_21_P0003049	1,53148	1,54373	-1,008527204	N/A	N/A	N/A	Inc-GMPS-1
A_33_P3290301	1,42784	1,4401	-1,008534195	ENST00000448174	N/A	N/A	N/A
A_23_P366453	1,52754	1,53981	-1,008541185	ENST00000281156	202559	NM_152688	KHDRBS2
A_33_P3416649	1,52101	1,5333	-1,008555167	N/A	N/A	N/A	N/A
A_21_P0005626	1,53128	1,54359	-1,008569149	ENST00000521221	102725286	XR_426321	LOC102725286

A_24_P63537	1,42431	1,43665	-1,008590121	ENST00000296754	51752	NM_016442	ERAP1
A_22_P00014580	1,3991	1,41144	-1,008590121	N/A	N/A	BI832795	Inc-SLAMF7-2
A_21_P0010563	1,4046	1,41695	-1,008597112	N/A	N/A	N/A	XLOC_I2_000462
A_22_P00011278	3,39156	3,40394	-1,008618086	ENST00000532274	101927120	NR_110136	LOC101927120
A_33_P3368049	12,1584	12,1708	-1,008632068	ENST00000422725	643988	NM_001242659	C1orf233
A_23_P164022	16,3543	16,3667	-1,008632068	ENST00000361007	4641	NM_033375	MYO1C
A_22_P00013013	1,47786	1,49028	-1,008646051	ENST00000556708	100996663	XR_158886	LOC100996663
A_22_P00025378	1,42152	1,434	-1,008688	N/A	N/A	N/A	Inc-PAWR-2
A_33_P3378915	7,63877	7,65126	-1,008694992	ENST00000359920	23370	NM_001130955	ARHGEF18
A_22_P00015454	1,53558	1,54807	-1,008694992	ENST00000517380	101927798	NR_125422	LOC101927798
A_23_P163408	7,37564	7,38814	-1,008701984	ENST00000562948	49855	NM_020843	SCAPER
A_22_P00004556	1,53576	1,54827	-1,008708976	N/A	N/A	N/A	Inc-CRNKL1-1
A_33_P3469658	1,43319	1,4457	-1,008708976	N/A	284570	BC040156	LOC284570
A_33_P3241949	1,36814	1,38066	-1,008715967	ENST00000506683	N/A	XM_006710161	N/A
A_33_P3847539	1,46622	1,47875	-1,008722959	ENST00000433856	101928122	BC094791	LINC01483
A_21_P0005935	1,61145	1,62399	-1,008729951	N/A	N/A	N/A	Inc-WRN-5
A_24_P215765	1,382	1,39455	-1,008736943	ENST00000555815	57194	NM_024490	ATP10A
A_33_P3212192	1,63626	1,64882	-1,008743935	ENST00000389494	1146	NM_005199	CHRNA1
A_23_P129225	1,63384	1,64641	-1,008750928	ENST00000542188	4308	NM_002420	TRPM1
A_21_P0005178	4,1296	4,14219	-1,008764912	N/A	N/A	N/A	Inc-CITED2-4
A_22_P00008125	1,67443	1,68703	-1,008771904	N/A	N/A	BG192738	Inc-IL31RA-1
A_22_P00004300	1,52669	1,53929	-1,008771904	N/A	101927723	XR_245020	LOC101927723
A_21_P0012657	4,47051	4,48311	-1,008771904	N/A	N/A	N/A	XLOC_I2_011044
A_21_P0000970	1,50747	1,52008	-1,008778896	ENST00000456803	N/A	N/A	N/A
A_24_P170095	5,51788	5,5305	-1,008785889	ENST00000484005	N/A	N/A	N/A
A_33_P3729436	1,63161	1,64423	-1,008785889	N/A	100170224	BF570972	SNAR-B1
A_33_P3308307	1,43746	1,45008	-1,008785889	ENST00000486417	117531	NM_138691	TMC1
A_21_P0001250	4,76545	4,77808	-1,008792881	N/A	N/A	N/A	Inc-SAMD11-2
A_22_P00020420	1,47624	1,48888	-1,008799874	N/A	100873975	NR_046554	CNTN4-AS1
A_22_P00010085	4,0913	4,10395	-1,008806866	ENST00000450750	N/A	N/A	N/A
A_21_P0012840	1,511	1,52366	-1,008813859	N/A	102724810	N/A	LOC102724810
A_24_P740620	1,43174	1,44441	-1,008820851	ENST00000428155	197350	XM_003403459	CASP16
A_23_P59783	1,68901	1,70168	-1,008820851	ENST00000408899	135941	NM_001001659	OR2A14

A_23_P431981	10,2421	10,2548	-1,008841829	ENST00000216106	10042	NM_001003681	HMGXB4
A_24_P261005	10,9556	10,9683	-1,008841829	ENST00000416469	114926	NM_138436	SMIM19
A_22_P00020050	1,35244	1,36515	-1,008848822	ENST00000427080	N/A	N/A	N/A
A_33_P3298567	5,38403	5,39674	-1,008848822	ENST00000533976	55657	AK309421	ZNF692
A_22_P00002899	1,6808	1,69351	-1,008848822	ENST00000502441	100337616	N/A	CSN1S2BP
A_21_P0008258	1,52246	1,53517	-1,008848822	ENST00000439454	104355293	NR_126409	LINC00376
A_22_P00013911	5,64057	5,6533	-1,008862808	N/A	N/A	N/A	Inc-RPS27A-1
A_33_P3387566	6,16248	6,17522	-1,008869801	ENST00000588043	23591	NR_026770	FAM215A
A_21_P0006156	1,52264	1,53538	-1,008869801	N/A	N/A	N/A	Inc-RORB-2
A_23_P315772	1,48087	1,49361	-1,008869801	ENST00000218176	3750	NM_004979	KCND1
A_22_P00020319	1,37676	1,38951	-1,008876794	N/A	N/A	N/A	Inc-TMEM159-1
A_22_P00002544	2,87829	2,89104	-1,008876794	N/A	N/A	N/A	Inc-C17orf63-2
A_22_P00013950	1,605	1,61776	-1,008883787	N/A	101928255	XR_244322	LOC101928255
A_22_P00006597	1,50056	1,51334	-1,008897773	N/A	N/A	N/A	Inc-FNDC3B-1
A_21_P0009874	1,36162	1,37441	-1,008904766	ENST00000448825	N/A	N/A	N/A
A_23_P100654	10,1694	10,1822	-1,008911759	ENST00000311403	57659	NM_020899	ZBTB4
A_21_P0002386	1,37739	1,39021	-1,008925746	N/A	N/A	N/A	Inc-CMPK2-13
A_22_P00000811	1,45821	1,47106	-1,008946726	ENST00000532453	101929269	N/A	LOC101929269
A_23_P10156	8,854	8,86685	-1,008946726	ENST00000325167	79643	NM_024591	CHMP6
A_22_P00023682	1,60264	1,6155	-1,00895372	N/A	N/A	N/A	Inc-PLEKHA3-2
A_22_P00021828	1,42412	1,43699	-1,008960713	ENST00000539532	N/A	BX641152	N/A
A_22_P00005400	1,5275	1,54038	-1,008967707	ENST00000575446	N/A	AL831865	N/A
A_22_P00004990	1,35366	1,36655	-1,0089747	N/A	N/A	N/A	Inc-DCTN5-1
A_33_P3356290	1,41793	1,43084	-1,008988688	ENST00000283269	8618	NM_183393	CADPS
A_21_P0008955	1,69159	1,7045	-1,008988688	N/A	N/A	N/A	Inc-CDH5-11
A_23_P395404	1,68457	1,69748	-1,008988688	ENST00000180166	26281	NM_019851	FGF20
A_22_P00007935	1,35964	1,37258	-1,009009669	ENST00000418379	101926942	N/A	LOC101926942
A_33_P3382959	8,3267	8,33966	-1,009023657	ENST00000551025	9994	NM_012115	CASP8AP2
A_23_P5679	1,47599	1,48896	-1,009030651	ENST00000259216	55997	NM_032545	CFC1
A_21_P0014057	6,67913	6,69211	-1,009037646	N/A	N/A	N/A	Inc-RGS5-1
A_22_P00003890	1,43109	1,44407	-1,009037646	N/A	N/A	N/A	Inc-CEP120-2
A_22_P00024429	1,37508	1,38806	-1,009037646	N/A	N/A	N/A	Inc-NRSN1-1
A_33_P3223678	11,2974	11,3104	-1,009051634	ENST00000619587	8022	NM_014564	LHX3

A_21_P0014797	2,29285	2,30585	-1,009051634	ENST00000559499	100507472	NR_045387	LOC100507472
A_22_P00020959	1,52654	1,53955	-1,009058628	N/A	N/A	N/A	Inc-HSDL2-1
A_33_P3285877	3,71762	3,73066	-1,009079611	ENST00000381010	100113404	NR_038194	LINC00583
A_22_P00013137	1,41736	1,43042	-1,0090936	N/A	643332	NR_033909	ECRP
A_33_P3317543	6,53256	6,54563	-1,009100595	ENST00000449689	389524	NM_001003795	GTF2IRD2B
A_33_P3241511	1,40019	1,41327	-1,009107589	ENST00000406799	3053	NM_000185	SERPIND1
A_22_P00003666	13,6513	13,6644	-1,009121578	ENST00000422837	N/A	N/A	N/A
A_24_P235988	1,64425	1,65736	-1,009128573	ENST00000534609	64581	NM_197947	CLEC7A
A_19_P00319044	1,52567	1,53878	-1,009128573	ENST00000416534	101929551	N/A	LOC101929551
A_21_P0005304	1,4432	1,45631	-1,009128573	ENST00000456513	N/A	N/A	N/A
A_21_P0009920	1,48085	1,49398	-1,009142563	ENST00000424662	N/A	N/A	N/A
A_23_P40782	9,65635	9,6695	-1,009156552	ENST00000483146	51122	NM_016094	COMMD2
A_21_P0008314	1,41451	1,42767	-1,009163547	N/A	N/A	N/A	Inc-AP4S1-2
A_33_P3346543	7,80996	7,82313	-1,009170542	N/A	N/A	N/A	N/A
A_23_P125686	1,73902	1,7522	-1,009177538	ENST00000489074	27160	NR_002226	INGX
A_21_P0010768	6,26466	6,27785	-1,009184533	N/A	102723908	XR_430630	LOC102723908
A_33_P3222069	11,3453	11,3585	-1,009191528	ENST00000323374	8877	NM_182965	SPHK1
A_23_P30254	12,3154	12,3286	-1,009191528	ENST00000617412	10769	NM_006622	PLK2
A_23_P375354	1,46862	1,48183	-1,009198523	ENST00000264037	7007	NM_005422	TECTA
A_33_P3235905	1,44964	1,46287	-1,009212514	ENST00000455685	N/A	XR_159295	N/A
A_21_P0012324	1,39712	1,41036	-1,009219509	ENST00000444848	N/A	N/A	N/A
A_33_P3226498	1,47272	1,48597	-1,009226504	ENST00000370496	1297	BC015409	COL9A1
A_24_P232790	8,72103	8,73429	-1,0092335	ENST00000599174	56936	NM_001271507	CCDC177
A_22_P00009129	1,43481	1,44808	-1,009240495	ENST00000581212	56651	NR_023925	LINC00470
A_21_P0001772	1,34953	1,3628	-1,009240495	ENST00000415396	101805491	NR_103805	LOC101805491
A_22_P00006157	1,52528	1,53856	-1,009247491	ENST00000457115	N/A	N/A	N/A
A_23_P84929	11,7058	11,7191	-1,009261482	ENST00000615300	92745	NM_033518	SLC38A5
A_33_P3361701	10,1071	10,1204	-1,009261482	ENST00000465855	9898	NM_001287815	UBAP2L
A_33_P3435493	1,5244	1,5377	-1,009261482	ENST00000419814	400768	XR_110483	LOC400768
A_33_P3414967	1,46951	1,48281	-1,009261482	ENST00000518864	54212	NM_018967	SNTG1
A_21_P0012799	1,50273	1,51603	-1,009261482	ENST00000512536	641365	NR_037866	LINC00616
A_23_P67952	7,60728	7,62058	-1,009261482	N/A	10408	NR_026766	MYCNOS
A_22_P00019390	1,52233	1,53564	-1,009268478	N/A	N/A	DB144136	Inc-PAX8-1



A_21_P0005835	1,35592	1,36924	-1,009275473	ENST00000499425	100507632	NR_038236	LINC00968
A_22_P00002652	1,44807	1,46144	-1,009310453	N/A	N/A	BM723559	Inc-C1orf198-3
A_22_P00023903	1,64607	1,65945	-1,009317449	N/A	N/A	CB959689	Inc-TCERG1-2
A_32_P75284	7,27953	7,29292	-1,009324445	ENST00000380615	84056	NM_032116	KATNAL1
A_23_P252322	17,8424	17,8558	-1,009331441	ENST00000395659	514	NM_006886	ATP5E
A_33_P3421973	1,39416	1,40756	-1,009331441	ENST00000276185	84443	NM_032428	FRMPD3
A_23_P62752	4,26691	4,28031	-1,009331441	ENST00000376468	4879	NM_002521	NPPB
A_21_P0006209	1,51912	1,53253	-1,009338437	N/A	N/A	N/A	Inc-RAD23B-11
A_24_P126484	1,4494	1,46281	-1,009338437	ENST00000277795	64081	AK092826	PBLD
A_32_P191262	5,35935	5,37277	-1,009345434	ENST00000216139	49	NM_001097	ACR
A_21_P0003008	1,36952	1,38294	-1,009345434	N/A	N/A	N/A	Inc-GTPBP8-1
A_33_P3256083	1,67605	1,68947	-1,009345434	ENST00000621464	N/A	N/A	N/A
A_33_P3328937	6,77889	6,79232	-1,00935243	ENST00000479267	11011	NM_001284363	TLK2
A_33_P3261182	9,42854	9,442	-1,009373419	ENST00000428202	134359	NM_001099271	POC5
A_33_P3795524	1,4893	1,50276	-1,009373419	N/A	83598	NR_073385	LRRC2-AS1
A_21_P0009871	1,50844	1,52191	-1,009380415	N/A	N/A	N/A	Inc-PPDPF-1
A_24_P380311	1,62848	1,64196	-1,009387412	ENST00000348628	815	NM_015981	CAMK2A
A_22_P00011265	1,52012	1,5336	-1,009387412	N/A	101927079	NR_110480	LOC101927079
A_33_P3379606	4,67512	4,6886	-1,009387412	ENST00000334025	401190	NM_001029875	RGS7BP
A_22_P00013380	1,41488	1,42838	-1,009401405	N/A	N/A	N/A	Inc-RP11-17M16.1.1-4
A_22_P00017715	7,20807	7,22157	-1,009401405	N/A	N/A	N/A	Inc-XRCC3-1
A_23_P103424	1,63333	1,64683	-1,009401405	ENST00000367556	85397	NM_033345	RGS8
A_33_P3375755	1,51255	1,52606	-1,009408402	N/A	N/A	N/A	N/A
A_24_P48318	8,17268	8,1862	-1,009415398	ENST00000619299	54883	NM_017748	CWC25
A_21_P0005384	1,50634	1,51986	-1,009415398	N/A	102723684	XR_426184	LOC102723684
A_33_P3226630	1,36477	1,37832	-1,009436389	ENST00000619924	339524	BC126240	LINC01140
A_22_P00011078	6,68459	6,69816	-1,009450383	N/A	N/A	AF086466	Inc-NUCB1-1
A_19_P00809747	1,39368	1,40725	-1,009450383	ENST00000489090	100507537	N/A	LOC100507537
A_22_P00013292	1,61395	1,62753	-1,00945738	ENST00000523246	157273	NR_040039	LOC157273
A_21_P0006154	1,41553	1,42911	-1,00945738	N/A	N/A	N/A	Inc-ANXA1-4
A_22_P00011091	1,52366	1,53725	-1,009464377	N/A	N/A	N/A	Inc-NUDT11-3
A_21_P0011420	1,42493	1,43852	-1,009464377	N/A	N/A	N/A	XLOC_I2_005150
A_23_P138435	11,9352	11,9488	-1,009471374	ENST00000334512	57178	NM_020338	ZMIZ1

A_33_P3386935	1,43826	1,45187	-1,009478371	ENST00000295031	84542	NM_032506	KIAA1841
A_22_P00025302	1,49527	1,50889	-1,009485368	ENST00000564193	N/A	BG208655	N/A
A_33_P3359183	1,60328	1,61691	-1,009492365	ENST00000276101	158835	NM_001002254	AWAT2
A_21_P0009592	1,46759	1,48122	-1,009492365	ENST00000578833	101927715	N/A	LINC01029
A_24_P150580	1,47792	1,49155	-1,009492365	ENST00000220062	51285	NM_016563	RASL12
A_21_P0010781	1,5193	1,53295	-1,00950636	ENST00000452465	N/A	N/A	N/A
A_21_P0008979	1,47391	1,48758	-1,009520355	N/A	N/A	N/A	Inc-DYNLRB2-3
A_22_P00024010	1,52467	1,53834	-1,009520355	N/A	N/A	N/A	Inc-SNX27-2
A_21_P0007362	1,47858	1,49226	-1,009527352	N/A	N/A	N/A	Inc-LTBP3-3
A_22_P00005877	1,49823	1,51192	-1,00953435	N/A	N/A	BX247957	Inc-ESR2-1
A_23_P5392	10,4393	10,453	-1,009541348	ENST00000238721	9540	NM_004881	TP53I3
A_21_P0004875	1,62186	1,63558	-1,009555343	N/A	N/A	N/A	Inc-HMGA1-1
A_21_P0008488	1,40251	1,41623	-1,009555343	N/A	N/A	N/A	Inc-RTL1-4
A_24_P192988	1,67257	1,68629	-1,009555343	ENST00000316398	220388	BC044814	CCDC89
A_23_P354705	1,41854	1,43227	-1,009562341	ENST00000261197	6489	NM_003034	ST8SIA1
A_21_P0010550	1,43408	1,44782	-1,009569338	N/A	N/A	N/A	XLOC_I2_000384
A_33_P3239190	1,40532	1,41906	-1,009569338	ENST00000553435	N/A	BQ188841	N/A
A_22_P00005539	1,47834	1,49208	-1,009569338	N/A	N/A	N/A	Inc-EDAR-7
A_23_P500956	7,75042	7,76416	-1,009569338	ENST00000405767	10678	NM_006577	B3GNT2
A_33_P3289825	1,51974	1,53351	-1,009590332	N/A	N/A	AK125674	N/A
A_21_P0007350	1,41614	1,42992	-1,00959733	N/A	N/A	N/A	Inc-CHST1-4
A_22_P00017005	1,42223	1,43602	-1,009604328	N/A	N/A	N/A	Inc-TTC33-1
A_24_P945283	12,3915	12,4053	-1,009611326	ENST00000542398	1741	NM_021120	DLG3
A_22_P00003410	1,61143	1,62523	-1,009611326	N/A	102467073	N/A	LOC102467073
A_21_P0013146	1,44505	1,4589	-1,009646317	N/A	101929083	N/A	CASC6
A_22_P00012267	1,52191	1,53576	-1,009646317	ENST00000521842	N/A	N/A	N/A
A_21_P0014258	1,44761	1,46146	-1,009646317	N/A	101927590	AK302096	LINC01166
A_23_P328074	1,51681	1,53067	-1,009653315	ENST00000440970	6299	NM_002968	SALL1
A_21_P0003167	4,72811	4,74198	-1,009660314	N/A	N/A	N/A	Inc-TPRA1-2
A_33_P3312807	4,01575	4,02966	-1,009688308	N/A	3653	NR_023915	IPW
A_33_P3570228	9,53874	9,55267	-1,009702305	N/A	644962	NR_077215	TNRC18P1
A_21_P0012511	1,42802	1,44196	-1,009709304	ENST00000496693	N/A	N/A	N/A
A_23_P17173	1,34962	1,36357	-1,009716303	ENST00000272395	129868	NM_138800	TRIM43

A_33_P3400057	1,48064	1,49459	-1,009716303	ENST00000490617	170082	NM_001297563	TCEANC
A_21_P0001345	1,38032	1,39429	-1,009730301	N/A	N/A	N/A	Inc-SLC44A3-1
A_21_P0003660	1,44736	1,46136	-1,009751298	N/A	N/A	N/A	Inc-MMAA-1
A_33_P3341479	2,8934	2,90745	-1,009786294	N/A	100874211	NR_046706	MID1P1-AS1
A_22_P00019595	1,65041	1,66447	-1,009793293	N/A	N/A	N/A	Inc-C5orf22-1
A_33_P3225587	11,3129	11,327	-1,009821291	ENST00000481432	80218	NM_025146	NAA50
A_22_P00022936	1,47277	1,48687	-1,009821291	ENST00000517407	N/A	N/A	N/A
A_32_P190769	1,4779	1,49201	-1,00982829	ENST00000429690	114905	NM_031911	C1QTNF7
A_24_P759477	9,32708	9,34121	-1,00984229	ENST00000222573	3696	NM_002214	ITGB8
A_21_P0013656	7,27734	7,29147	-1,00984229	N/A	N/A	N/A	XLOC_I2_015213
A_33_P3243929	5,40343	5,41759	-1,009863289	N/A	646748	AK124016	FLJ42022
A_23_P48826	7,92902	7,94318	-1,009863289	ENST00000560442	140691	NM_182985	TRIM69
A_33_P3503284	1,40841	1,42257	-1,009863289	ENST00000585477	284257	NM_001257964	BOD1L2
A_33_P3405399	1,37803	1,3922	-1,009870289	ENST00000496592	57489	NM_001184765	ODF2L
A_22_P00002302	1,60488	1,61907	-1,009884289	N/A	101927682	NR_108080	CD81-AS1
A_22_P00025236	1,50029	1,5145	-1,009898289	ENST00000532961	N/A	N/A	N/A
A_22_P00005624	1,4773	1,49152	-1,009905289	N/A	N/A	N/A	Inc-EGR4-1
A_22_P00012233	1,43333	1,44755	-1,009905289	N/A	N/A	BM926533	Inc-PPIC-1
A_23_P392402	1,60093	1,61515	-1,009905289	ENST00000373256	2740	NM_002062	GLP1R
A_24_P164998	1,51641	1,53063	-1,009905289	ENST00000590317	646627	NM_001085474	LYPD8
A_33_P3225948	1,61295	1,62722	-1,00994029	ENST00000378190	55966	NM_001042478	AJAP1
A_24_P772488	1,63832	1,6526	-1,00994729	ENST00000359827	91584	NM_020911	PLXNA4
A_23_P153197	10,8842	10,8985	-1,009961291	ENST00000345133	7050	NM_170695	TGIF1
A_33_P3388148	1,51581	1,53013	-1,009975292	ENST00000348639	1136	NM_001166694	CHRNA3
A_33_P3343457	1,51334	1,52766	-1,009975292	ENST00000320584	374860	NM_001145029	ANKRD30B
A_21_P0004985	1,45297	1,46729	-1,009975292	N/A	N/A	N/A	Inc-EXOC2-9
A_21_P0005554	1,41401	1,42833	-1,009975292	N/A	N/A	N/A	Inc-SEPT7-1
A_22_P00025920	1,68852	1,70286	-1,009989294	N/A	100506409	NR_038962	ELOVL2-AS1
A_22_P00020427	1,59414	1,60849	-1,009996295	ENST00000420823	101927215	NR_110118	LINC01266
A_21_P0004279	1,36648	1,38083	-1,009996295	N/A	N/A	N/A	Inc-NR2F1-2
A_22_P00006429	1,47406	1,48843	-1,010010296	N/A	100874034	XR_251529	UBXN7-AS1
A_22_P00022353	1,51332	1,5277	-1,010017297	N/A	N/A	N/A	Inc-MON2-3
A_32_P203404	1,44201	1,4564	-1,010024298	ENST00000400291	125704	NM_001044369	FAM69C

A_22_P00019050	1,42346	1,43785	-1,010024298	N/A	N/A	CA396498	Inc-FBN2-6
A_33_P3291836	1,42715	1,44154	-1,010024298	ENST00000402067	N/A	N/A	N/A
A_33_P3323779	1,41142	1,42582	-1,010031299	N/A	100271722	N/A	LINC00899
A_23_P144843	1,6669	1,68131	-1,0100383	ENST00000381403	11082	NM_007036	ESM1
A_33_P3364776	1,41317	1,42762	-1,010066305	ENST00000396843	N/A	XR_158938	N/A
A_22_P00011798	1,41678	1,43125	-1,010080307	N/A	N/A	N/A	Inc-PGPEP1L-1
A_33_P3307457	1,35124	1,36574	-1,010101311	ENST00000377721	83901	NM_031963	KRTAP9-8
A_33_P3362636	13,2881	13,3026	-1,010101311	ENST00000620783	284106	NM_001136498	CISD3
A_22_P00012085	7,11793	7,13243	-1,010101311	N/A	N/A	BU568189	Inc-PMM2-3
A_23_P165442	11,1742	11,1887	-1,010101311	ENST00000460499	29959	NM_013392	NRBP1
A_21_P0008256	1,38591	1,40042	-1,010108313	N/A	N/A	N/A	Inc-EBPL-1
A_21_P0005902	1,67535	1,68986	-1,010108313	N/A	N/A	N/A	Inc-FAM84B-2
A_21_P0007668	1,41788	1,4324	-1,010115314	N/A	N/A	N/A	Inc-FZD10-3
A_33_P3302652	5,25499	5,26951	-1,010115314	ENST00000487977	N/A	XR_425100	N/A
A_21_P0001206	1,40658	1,42111	-1,010122316	ENST00000450681	N/A	N/A	N/A
A_21_P0013634	1,47097	1,4855	-1,010122316	ENST00000265417	221395	NM_001098518	GPR116
A_21_P0000443	1,54069	1,55523	-1,010129318	N/A	100033800	NR_003315	SNORD115-23
A_24_P62367	1,50881	1,52337	-1,010143321	ENST00000581527	9229	NM_004746	DLGAP1
A_22_P00024889	1,65561	1,67017	-1,010143321	N/A	100874064	NR_046527	PCDH9-AS2
A_33_P3280426	1,73882	1,7534	-1,010157325	ENST00000525892	N/A	AB529273	N/A
A_21_P0003136	1,47579	1,49037	-1,010157325	N/A	N/A	N/A	Inc-VGLL3-1
A_23_P200685	9,21361	9,2282	-1,010164327	ENST00000472447	54996	NM_017898	mar-02
A_21_P0012710	1,42084	1,43546	-1,010185333	N/A	N/A	N/A	Inc-FGFR1-4
A_21_P0014194	2,88452	2,89915	-1,010192335	N/A	N/A	N/A	N/A
A_33_P3234657	1,42689	1,44152	-1,010192335	ENST00000389286	283659	NM_173814	PRTG
A_24_P374461	1,51501	1,52965	-1,010199337	ENST00000333190	219578	NM_181646	ZNF804B
A_33_P3373504	1,66154	1,67619	-1,010206339	N/A	100996646	XM_005276412	LOC100996646
A_22_P00009327	4,42945	4,44411	-1,010213341	N/A	N/A	AL359058	Inc-LRRC61-1
A_32_P70818	1,34911	1,36379	-1,010227346	ENST00000402703	5083	NM_006194	PAX9
A_33_P3310724	1,64592	1,66061	-1,010234348	N/A	N/A	N/A	N/A
A_21_P0005887	1,50913	1,52382	-1,010234348	N/A	N/A	N/A	Inc-EIF3H-1
A_33_P3240607	1,50491	1,5196	-1,010234348	N/A	100128699	AK125870	LOC100128699
A_23_P72912	1,78982	1,80452	-1,010241351	ENST00000551071	9498	AB018282	SLC4A8

A_33_P3237552	6,44396	6,45867	-1,010248353	ENST00000372338	84929	NM_032843	FIBCD1
A_22_P00007160	3,84552	3,86023	-1,010248353	N/A	N/A	AK093624	Inc-GNB2L1-1
A_23_P145930	1,65232	1,66706	-1,010269361	N/A	N/A	N/A	N/A
A_21_P0009456	1,51425	1,52901	-1,010283366	N/A	N/A	N/A	Inc-SLC35G4-2
A_33_P3232290	1,67889	1,69366	-1,010290369	N/A	594857	NM_001030013	NPS
A_33_P3351092	6,79616	6,81097	-1,010318381	ENST00000330798	337976	NM_181616	KRTAP20-2
A_21_P0003788	1,47419	1,48902	-1,010332387	N/A	102724785	XR_425793	LOC102724785
A_23_P360964	3,325	3,33983	-1,010332387	ENST00000391916	147906	NM_145056	DACT3
A_23_P138881	5,20432	5,21917	-1,010346393	ENST00000502692	89	NM_001104	ACTN3
A_33_P3366258	1,44624	1,46109	-1,010346393	ENST00000490698	441024	XM_005265692	MTHFD2L
A_23_P120883	8,84963	8,86449	-1,010353396	ENST00000216117	3162	NM_002133	HMOX1
A_21_P0012270	1,3835	1,39839	-1,010374406	N/A	N/A	N/A	XLOC_I2_009395
A_33_P3225685	10,9091	10,924	-1,01038141	ENST00000265471	26229	NM_001288723	B3GAT3
A_19_P00802413	15,8552	15,8701	-1,01038141	ENST00000301015	9780	NM_001142864	PIEZO1
A_22_P00025671	1,44836	1,46328	-1,010395417	ENST00000295666	3490	N/A	IGFBP7
A_33_P3354858	8,57255	8,58748	-1,01040242	ENST00000263960	80219	NM_025147	COQ10B
A_21_P0003926	1,50428	1,51923	-1,010416428	N/A	101929082	N/A	LINC01333
A_33_P3375720	1,60352	1,61847	-1,010416428	N/A	N/A	N/A	N/A
A_33_P3228637	1,75899	1,77395	-1,010423431	ENST00000595059	N/A	BX649129	N/A
A_22_P00009435	1,44663	1,46159	-1,010423431	ENST00000559918	N/A	BU664347	N/A
A_22_P00019908	8,73856	8,75354	-1,010437439	N/A	N/A	N/A	Inc-WNT1-2
A_24_P555170	1,62922	1,6442	-1,010437439	ENST00000617217	100505679	NM_001243531	UBE2Q2L
A_33_P3354539	8,78244	8,79742	-1,010437439	ENST00000607599	91612	NM_145165	CHURC1
A_33_P3351524	9,48898	9,50397	-1,010444443	N/A	N/A	N/A	N/A
A_23_P104972	2,80148	2,81648	-1,010451446	ENST00000300190	64232	NM_023945	MS4A5
A_21_P0006362	1,51278	1,52781	-1,010472458	ENST00000444985	100996590	NR_104145	LINC01505
A_22_P00024197	1,50985	1,52488	-1,010472458	N/A	N/A	N/A	Inc-SUPT6H-1
A_33_P3409447	7,87382	7,88887	-1,010486467	ENST00000025301	11215	NM_016248	AKAP11
A_33_P3377714	1,35705	1,37211	-1,010493471	N/A	N/A	N/A	N/A
A_22_P00008763	1,35821	1,37327	-1,010493471	N/A	N/A	N/A	Inc-KIF13B-1
A_24_P3140	9,09068	9,10578	-1,010521488	ENST00000483421	27332	NM_014497	ZNF638
A_22_P00015105	1,50523	1,52033	-1,010521488	ENST00000579972	N/A	N/A	N/A
A_33_P3319791	1,3498	1,3649	-1,010521488	ENST00000545748	3164	NM_001202234	NR4A1

A_21_P0001764	1,68692	1,70206	-1,010549506	ENST00000451123	N/A	N/A	N/A
A_22_P00023267	1,36935	1,38449	-1,010549506	ENST00000539514	N/A	N/A	N/A
A_22_P00024434	2,61909	2,63426	-1,01057052	N/A	N/A	N/A	Inc-LRFN2-3
A_21_P0009246	1,67083	1,68601	-1,010577525	N/A	N/A	N/A	Inc-TMEM99-3
A_21_P0004090	1,80821	1,82339	-1,010577525	ENST00000509745	N/A	N/A	N/A
A_22_P00011064	1,47243	1,48762	-1,01058453	ENST00000421112	100506474	NR_038434	LOC100506474
A_21_P0008718	1,43178	1,44697	-1,01058453	ENST00000565706	N/A	N/A	N/A
A_33_P3375284	1,44579	1,46098	-1,01058453	ENST00000584301	353149	XR_429853	TBC1D26
A_33_P3313810	1,42554	1,44075	-1,010598539	ENST00000293636	1990	NM_001971	CELA1
A_24_P682579	1,43426	1,44951	-1,01062656	ENST00000562908	N/A	N/A	N/A
A_33_P3409027	1,60728	1,62254	-1,010633565	ENST00000354853	54456	AK090740	MOV10L1
A_21_P0003778	1,38167	1,39696	-1,01065458	ENST00000508388	N/A	N/A	N/A
A_33_P3266132	3,45012	3,46542	-1,010661586	ENST00000350501	57822	NM_198174	GRHL3
A_24_P97687	1,45629	1,4716	-1,010668591	ENST00000323865	3350	NM_000524	HTR1A
A_22_P00017524	1,41919	1,43451	-1,010675597	ENST00000429809	101927889	XR_246197	LINC01153
A_33_P3243429	8,77789	8,79322	-1,010682602	ENST00000312457	390212	NM_206997	GPR152
A_21_P0010316	1,61854	1,63388	-1,010689608	N/A	N/A	N/A	Inc-ADARB1-3
A_33_P3365057	1,43111	1,44645	-1,010689608	N/A	N/A	N/A	N/A
A_22_P00010824	1,60463	1,61998	-1,010696613	ENST00000503048	101927134	NR_109877	LINC01470
A_33_P3210663	1,40953	1,42488	-1,010696613	ENST00000522248	9892	NM_001242794	SNAP91
A_22_P00012249	1,46637	1,48175	-1,01071763	ENST00000411431	N/A	N/A	N/A
A_21_P0010369	1,50447	1,51988	-1,010738648	ENST00000453866	N/A	N/A	N/A
A_21_P0011153	1,44356	1,45898	-1,010745654	N/A	N/A	N/A	XLOC_I2_003803
A_22_P00008260	1,4747	1,49013	-1,01075266	ENST00000505396	102467074	N/A	LINC01377
A_22_P00008506	1,50753	1,52298	-1,010766672	ENST00000563772	N/A	N/A	N/A
A_21_P0006602	1,36651	1,38197	-1,010773678	N/A	N/A	N/A	Inc-NLGN4Y-1
A_21_P0005388	1,50872	1,52419	-1,010780684	N/A	N/A	N/A	Inc-ZNF727-2
A_23_P363954	1,74867	1,76414	-1,010780684	ENST00000281030	7069	NM_003251	THRSP
A_23_P54681	1,50998	1,52546	-1,01078769	ENST00000219746	27324	NM_001146188	TOX3
A_23_P431971	1,35547	1,37095	-1,01078769	ENST00000309155	55118	NM_018058	CRTAC1
A_23_P126135	14,8651	14,8806	-1,010801703	ENST00000235329	9927	NM_014874	MFN2
A_33_P3282693	5,44934	5,46484	-1,010801703	ENST00000574571	390756	NR_024128	OR3A4P
A_32_P20367	15,9429	15,9584	-1,010801703	ENST00000443360	6201	NM_001011	RPS7

A_33_P3362232	2,40031	2,41581	-1,010801703	N/A	N/A	N/A	Inc-CLCN3-3
A_33_P3326256	10,7092	10,7247	-1,010801703	ENST00000372945	51021	NM_016065	MRPS16
A_21_P0011028	6,89592	6,91144	-1,010815716	ENST00000525757	102724910	N/A	LOC102724910
A_33_P3218975	1,49604	1,51158	-1,010829729	ENST00000371207	953	NM_001776	ENTPD1
A_22_P00001501	1,46977	1,48531	-1,010829729	N/A	101928386	NR_110237	LOC101928386
A_24_P381441	1,44491	1,46045	-1,010829729	ENST00000320122	55885	NM_018640	LMO3
A_23_P340019	1,40876	1,42431	-1,010836735	ENST00000615877	197358	NM_178844	NLRC3
A_33_P3210934	1,47093	1,48648	-1,010836735	ENST00000617769	56136	NM_031865	PCDHA13
A_24_P519651	1,65312	1,66868	-1,010843742	ENST00000457647	729121	NR_024439	RGPD4-AS1
A_22_P00010728	1,65823	1,67379	-1,010843742	N/A	N/A	N/A	Inc-NID1-3
A_33_P3835524	5,34287	5,35843	-1,010843742	ENST00000529952	5452	NM_001207026	POU2F2
A_23_P310410	1,49755	1,51313	-1,010857755	ENST00000368156	913	NM_001042583	CD1E
A_22_P00009283	3,70346	3,71907	-1,010878776	ENST00000449713	N/A	XR_109681	N/A
A_21_P0003637	1,63489	1,65053	-1,010899797	N/A	N/A	N/A	Inc-ALPK1-1
A_21_P0002526	1,47341	1,48905	-1,010899797	N/A	N/A	N/A	Inc-ZSWIM2-7
A_22_P00002200	1,35215	1,36781	-1,010913811	N/A	101928666	XR_246468	LOC101928666
A_21_P0008952	1,50187	1,51754	-1,010920818	N/A	N/A	N/A	Inc-SETD6-4
A_22_P00009560	1,50107	1,51675	-1,010927825	N/A	N/A	N/A	Inc-MAP3K8-2
A_22_P00018818	1,48873	1,50442	-1,010934832	N/A	101927284	NR_110754	LOC101927284
A_22_P00025725	1,47208	1,48777	-1,010934832	ENST00000470263	N/A	BC031255	N/A
A_22_P00015812	1,68252	1,69824	-1,010955854	N/A	N/A	N/A	Inc-TAT-1
A_33_P3299750	1,43605	1,45177	-1,010955854	N/A	N/A	N/A	N/A
A_32_P358887	1,50716	1,52288	-1,010955854	ENST00000340595	8671	NM_003759	SLC4A4
A_21_P0010143	1,43354	1,44927	-1,010962862	N/A	N/A	N/A	Inc-CHODL-2
A_22_P00005556	1,46181	1,47755	-1,010969869	N/A	N/A	N/A	Inc-EEF1A1-1
A_23_P362824	12,192	12,2078	-1,011011915	ENST00000493039	1477	NM_001324	CSTF1
A_21_P0008348	1,3762	1,392	-1,011011915	N/A	N/A	N/A	Inc-FUT8-2
A_22_P00009556	1,57286	1,58866	-1,011011915	N/A	N/A	N/A	Inc-MAP3K6-1
A_33_P3298256	1,4281	1,44392	-1,011025931	N/A	N/A	N/A	Inc-SEMA5A-1
A_23_P385017	1,4733	1,48919	-1,011074987	ENST00000253801	2538	NM_000151	G6PC
A_33_P3281191	10,8604	10,8763	-1,011081996	ENST00000366595	4811	NM_002508	NID1
A_21_P0014273	5,84263	5,85853	-1,011081996	ENST00000532805	120227	AK092584	CYP2R1
A_21_P0008067	1,35855	1,37446	-1,011089004	N/A	N/A	N/A	Inc-OLFM4-4

A_33_P3257130	1,35502	1,37093	-1,011089004	ENST00000315957	441670	NM_001005500	OR4M1
A_22_P00014486	1,44278	1,45872	-1,011110029	N/A	N/A	N/A	Inc-SHF-1
A_22_P00017565	1,34907	1,36503	-1,011124046	N/A	N/A	N/A	Inc-WDR54-1
A_21_P0001032	1,39892	1,41488	-1,011124046	ENST00000427173	101928778	N/A	LOC101928778
A_21_P0003240	1,40821	1,42418	-1,011131055	N/A	N/A	N/A	Inc-CHMP2B-2
A_22_P00024576	1,61957	1,63554	-1,011131055	ENST00000443926	N/A	N/A	N/A
A_21_P0013096	2,23786	2,25384	-1,011138063	N/A	101928249	XR_428024	LOC101928249
A_33_P3357669	15,1724	15,1884	-1,011152081	ENST00000413663	N/A	N/A	N/A
A_33_P3419562	1,38431	1,40033	-1,011166098	ENST00000427338	402135	NM_001004737	OR5K2
A_23_P395582	1,37814	1,39416	-1,011166098	ENST00000509524	132625	AY429593	ZFP42
A_22_P00016146	8,87475	8,89078	-1,011173107	N/A	N/A	CR627086	Inc-TIMM9-2
A_33_P6808705	1,44085	1,45689	-1,011180116	N/A	101928002	NR_110072	LOC101928002
A_22_P00012889	7,48073	7,49678	-1,011187125	ENST00000550905	100506465	NR_110026	LINC01234
A_22_P00008597	1,49176	1,50782	-1,011194134	ENST00000487624	N/A	N/A	N/A
A_22_P00024524	1,40154	1,4176	-1,011194134	ENST00000539305	N/A	N/A	N/A
A_21_P0013890	1,35009	1,36616	-1,011201143	ENST00000442584	N/A	N/A	N/A
A_33_P3213822	1,43939	1,45546	-1,011201143	ENST00000444842	3776	NM_001017424	KCNK2
A_21_P0004117	1,44049	1,4566	-1,01122918	ENST00000506492	101929681	NR_104628	LOC101929681
A_21_P0013304	2,44731	2,46342	-1,01122918	N/A	N/A	N/A	XLOC_I2_013808
A_22_P00023854	1,42424	1,44036	-1,01123619	ENST00000420354	N/A	N/A	N/A
A_22_P00010318	1,60598	1,62212	-1,011250208	ENST00000570223	285834	NR_003948	HCG22
A_22_P00022875	1,45869	1,47485	-1,011264227	N/A	101927410	NR_110777	LOC101927410
A_22_P00003320	1,41423	1,43039	-1,011264227	ENST00000528811	N/A	N/A	N/A
A_33_P3256933	1,68544	1,70161	-1,011271237	ENST00000376152	653619	NM_001098376	PRAMEF15
A_21_P0011362	4,73628	4,75246	-1,011278247	ENST00000567075	101059918	NM_001282484	GOLGA8R
A_21_P0004775	1,43544	1,45163	-1,011285256	ENST00000446358	N/A	N/A	N/A
A_23_P71433	10,3583	10,3745	-1,011292266	ENST00000419880	55284	NM_001001481	UBE2W
A_24_P325176	8,29607	8,31227	-1,011292266	ENST00000264501	84162	NM_015312	KIAA1109
A_22_P00013650	1,42539	1,44159	-1,011292266	ENST00000517925	100505718	NR_039986	LOC100505718
A_33_P3235891	5,16586	5,18207	-1,011299276	N/A	N/A	AK128523	N/A
A_23_P357881	1,66377	1,68	-1,011313295	ENST00000416057	926	NM_172102	CD8B
A_24_P671164	1,37461	1,39084	-1,011313295	ENST00000618457	5618	NM_000949	PRLR
A_33_P3272593	9,80255	9,8188	-1,011327315	ENST00000443824	56474	NM_001144002	CTPS2



A_24_P914817	9,23708	9,25333	-1,011327315	ENST00000352689	4289	NM_013255	MKLN1
A_22_P00006789	1,45118	1,46743	-1,011327315	N/A	N/A	CR738214	Inc-FZD3-1
A_23_P86710	1,59944	1,6157	-1,011334325	ENST00000491130	143162	NM_001018071	FRMPD2
A_33_P3343402	1,61367	1,62993	-1,011334325	ENST00000371148	245913	NM_001037497	DEFB110
A_33_P3577857	1,4403	1,45658	-1,011348346	ENST00000526131	N/A	BC067882	N/A
A_23_P359588	4,70215	4,71843	-1,011348346	ENST00000615384	8641	NM_032098	PCDHGB4
A_33_P3394584	1,62336	1,63964	-1,011348346	N/A	100192386	NR_024389	FLJ16779
A_33_P8983918	1,41812	1,43441	-1,011355356	N/A	101060106	XR_424809	LOC101060106
A_33_P3365357	13,9776	13,9939	-1,011362366	ENST00000442581	8692	NM_033158	HYAL2
A_22_P00010817	1,59577	1,61209	-1,011376386	N/A	N/A	N/A	Inc-NMNAT3-4
A_24_P363679	9,55142	9,56775	-1,011383397	ENST00000524164	51606	NM_015941	ATP6V1H
A_24_P155617	1,46729	1,48364	-1,011397418	ENST00000489237	267012	NM_172370	DAOA
A_21_P0009568	1,43762	1,45397	-1,011397418	N/A	101927404	XR_245477	LOC101927404
A_23_P161909	1,39763	1,41398	-1,011397418	ENST00000534744	932	NM_006138	MS4A3
A_32_P504827	1,50721	1,52357	-1,011404428	ENST00000305119	10071	NM_001164462	MUC12
A_21_P0008337	1,41995	1,43632	-1,011411439	N/A	N/A	N/A	Inc-CDKN3-1
A_22_P00008789	1,46509	1,48147	-1,011418449	N/A	N/A	N/A	Inc-KIF7-1
A_33_P3412687	7,85865	7,87506	-1,011439481	N/A	N/A	N/A	N/A
A_21_P0008367	1,50582	1,52224	-1,011446492	N/A	N/A	N/A	Inc-RP11-322L20.1.1-3
A_23_P321984	1,46605	1,48248	-1,011453503	ENST00000621400	160365	NM_172004	CLECL1
A_21_P0014542	1,62628	1,64271	-1,011453503	ENST00000434716	100507242	N/A	SNHG23
A_21_P0011687	1,842	1,85844	-1,011460514	N/A	N/A	N/A	XLOC_I2_006670
A_23_P369237	1,41258	1,42903	-1,011467525	ENST00000444204	9370	NM_004797	ADIPOQ
A_21_P0011159	1,47071	1,48716	-1,011467525	ENST00000415294	N/A	N/A	N/A
A_23_P325501	10,5347	10,5512	-1,01150258	ENST00000400485	23515	NM_015358	MORC3
A_23_P8339	14,2992	14,3157	-1,01150258	ENST00000476826	29074	NM_014161	MRPL18
A_23_P88740	12,2023	12,2188	-1,01150258	ENST00000299572	55839	NM_018455	CENPN
A_22_P00008218	1,35576	1,37226	-1,01150258	ENST00000502798	22987	NM_014979	SV2C
A_23_P49643	1,41426	1,43078	-1,011516603	ENST00000284154	10750	NM_006613	GRAP
A_33_P3345504	8,21113	8,22767	-1,011530625	ENST00000335387	54542	NM_018835	RC3H2
A_21_P0011485	1,40752	1,42409	-1,01155166	N/A	N/A	N/A	XLOC_I2_005503
A_22_P00009213	1,45733	1,47391	-1,011558671	N/A	N/A	BG459723	Inc-LPIN3-2
A_33_P3225106	1,42634	1,44294	-1,011572695	ENST00000370490	84631	AJ278615	SLITRK2

A_23_P201035	9,92688	9,94351	-1,01159373	ENST00000427500	2629	NM_001005741	GBA
A_19_P00316602	1,49458	1,51121	-1,01159373	N/A	441204	N/A	LOC441204
A_21_P0008025	1,42262	1,43926	-1,011600742	N/A	N/A	N/A	Inc-ZMYM2-3
A_21_P0005872	1,3625	1,37915	-1,011607754	N/A	N/A	N/A	Inc-RUNX1T1-4
A_33_P3263629	1,42871	1,44537	-1,011614766	N/A	N/A	N/A	XLOC_I2_013630
A_33_P3334348	1,6534	1,67007	-1,011621778	ENST00000378075	390205	NM_001145077	LRRC10B
A_21_P0008542	1,41087	1,42755	-1,01162879	N/A	N/A	N/A	Inc-MAP3K9-3
A_32_P876086	1,61194	1,62862	-1,01162879	ENST00000623367	N/A	AL834311	N/A
A_33_P3330125	15,5789	15,5956	-1,011642814	ENST00000413918	56616	NM_001278302	DIABLO
A_22_P00003235	1,49011	1,50681	-1,011642814	N/A	N/A	N/A	Inc-CADM1-4
A_33_P3341836	5,02722	5,04392	-1,011642814	ENST00000434248	163131	NM_001005851	ZNF780B
A_22_P00013907	1,35289	1,36959	-1,011642814	ENST00000459633	414243	N/A	LINC00595
A_21_P0011065	11,9226	11,9393	-1,011642814	ENST00000550242	N/A	N/A	N/A
A_32_P158786	3,31886	3,33557	-1,011649826	ENST00000333722	115749	NM_001170633	C12orf56
A_22_P00006512	1,41672	1,43345	-1,011663851	ENST00000444219	101929297	NR_125862	LOC101929297
A_33_P3286499	1,36695	1,38368	-1,011663851	N/A	N/A	N/A	N/A
A_23_P302470	1,48848	1,50522	-1,011670863	ENST00000310613	27284	NM_014465	SULT1B1
A_21_P0009717	1,4221	1,43886	-1,011684888	N/A	N/A	N/A	Inc-LSR-1
A_22_P00019388	1,50442	1,5212	-1,011698913	N/A	101927253	XR_243718	LOC101927253
A_33_P3322378	1,35543	1,37221	-1,011698913	N/A	100873924	NR_046901	HLX-AS1
A_33_P3341259	5,16417	5,18096	-1,011705925	ENST00000483190	116842	AJ409065	LEAP2
A_23_P127233	12,1737	12,1905	-1,011712938	ENST00000369603	10285	NM_005871	SMNDC1
A_32_P494620	4,83082	4,84762	-1,011712938	ENST00000496656	222662	NM_182548	LHFPL5
A_23_P36641	1,63753	1,65433	-1,011712938	ENST00000229335	57379	NM_020661	AICDA
A_24_P251734	1,47135	1,48816	-1,011719951	ENST00000379164	56884	NM_020116	FSTL5
A_21_P0009861	1,35718	1,37399	-1,011719951	ENST00000450623	102723578	N/A	LINC01440
A_32_P198523	1,39297	1,40979	-1,011726964	ENST00000343098	401024	NM_173651	FSIP2
A_21_P0000722	1,73969	1,75653	-1,011740989	ENST00000521905	100616530	NR_038207	C8orf37-AS1
A_22_P00014180	5,38735	5,40419	-1,011740989	ENST00000580695	10846	AK090688	PDE10A
A_22_P00018037	1,4223	1,43916	-1,011755015	N/A	N/A	N/A	Inc-ZNF236-1
A_22_P00015286	1,39104	1,40791	-1,011762028	N/A	N/A	N/A	Inc-SPATA7-1
A_21_P0008533	1,44666	1,46357	-1,01179008	N/A	N/A	N/A	Inc-FKBP3-1
A_21_P0005093	1,75049	1,76741	-1,011797094	N/A	401287	XR_428063	LOC401287

A_21_P0007297	1,5014	1,51837	-1,01183216	ENST00000609260	N/A	N/A	N/A
A_21_P0005413	4,45524	4,47223	-1,011846187	ENST00000602761	340340	N/A	LOC340340
A_33_P3338413	1,67171	1,6887	-1,011846187	ENST00000388781	22798	NM_007356	LAMB4
A_21_P0007315	1,35166	1,36867	-1,011860215	N/A	N/A	N/A	Inc-DENND5A-1
A_33_P3282175	1,61593	1,63295	-1,011867228	ENST00000455554	N/A	N/A	N/A
A_33_P3389237	1,45245	1,46947	-1,011867228	ENST00000604629	10941	NM_001252274	UGT2A1
A_33_P3294103	3,58199	3,59901	-1,011867228	N/A	N/A	N/A	N/A
A_22_P00006174	1,5941	1,61114	-1,011881256	N/A	100505746	NR_038312	ITGB2-AS1
A_24_P296808	1,6338	1,65086	-1,011895284	ENST00000313683	55228	NM_018215	PNMAL1
A_22_P00004502	1,61282	1,62988	-1,011895284	N/A	102724820	NR_110604	LANCL1-AS1
A_21_P0009379	1,47529	1,49236	-1,011902298	N/A	N/A	N/A	Inc-COX10-6
A_23_P166027	1,46974	1,48681	-1,011902298	ENST00000371263	23626	NM_012444	SPO11
A_21_P0012010	1,67639	1,69348	-1,011916326	N/A	284950	N/A	LOC284950
A_33_P3319231	1,43563	1,45273	-1,01192334	ENST00000373248	84883	AF337957	AIFM2
A_21_P0012335	1,46414	1,48124	-1,01192334	ENST00000418274	342850	NM_001277333	ANKRD62
A_21_P0000620	1,41753	1,43463	-1,01192334	N/A	386597	NR_033997	RNF144A-AS1
A_23_P38446	12,3318	12,3489	-1,01192334	ENST00000226225	7126	NM_021137	TNFAIP1
A_33_P3380772	15,1852	15,2023	-1,01192334	ENST00000262659	140706	NM_080625	CCM2L
A_32_P101779	1,34923	1,36634	-1,011930354	ENST00000540910	266629	NM_174975	SEC14L3
A_33_P3219960	1,59541	1,61253	-1,011937368	ENST00000451103	N/A	XR_242268	N/A
A_33_P3369239	9,6421	9,65922	-1,011937368	ENST00000545607	9444	NM_001301085	QKI
A_21_P0005761	1,46407	1,4812	-1,011944382	N/A	N/A	N/A	Inc-ZNF572-1
A_21_P0009125	1,35051	1,36765	-1,011951397	N/A	N/A	N/A	Inc-IRX3-2
A_33_P3218053	1,43655	1,45369	-1,011951397	ENST00000445873	N/A	BC019674	Inc-PDZD7-4
A_24_P33508	1,50285	1,52	-1,011958411	ENST00000332432	441061	NM_001102562	mar-11
A_24_P358554	1,40888	1,42603	-1,011958411	ENST00000479949	63827	NM_198427	BCAN
A_23_P406616	9,90522	9,92239	-1,01197244	ENST00000315965	168455	NM_175884	CCDC71L
A_21_P0001358	1,36634	1,38354	-1,011993483	N/A	N/A	N/A	Inc-PRMT6-4
A_23_P111481	12,5033	12,5205	-1,011993483	ENST00000445337	51593	NM_015908	SRRT
A_23_P129476	9,88556	9,90277	-1,012000498	ENST00000614968	9605	NM_004913	VPS9D1
A_24_P309521	1,49152	1,50874	-1,012007513	ENST00000529694	3762	NM_000890	KCNJ5
A_21_P0009596	1,43779	1,45503	-1,012021542	N/A	N/A	N/A	Inc-AC068473.1-1
A_22_P00003790	1,62673	1,64398	-1,012028557	N/A	N/A	N/A	Inc-CDK5R1-4

A_24_P363802	10,5752	10,5925	-1,012063632	ENST00000210313	5711	NM_005047	PSMD5
A_23_P123974	13,3463	13,3636	-1,012063632	ENST00000400770	1841	NM_012145	DTYMK
A_24_P417526	11,6853	11,7026	-1,012063632	ENST00000358464	284802	NR_003579	FRG1B
A_33_P3283592	1,58359	1,60093	-1,012091693	ENST00000511063	285679	NM_001142306	C5orf60
A_21_P0003151	2,61201	2,62935	-1,012091693	N/A	N/A	N/A	Inc-CBLB-7
A_21_P0013081	2,98082	2,99816	-1,012091693	N/A	N/A	N/A	XLOC_I2_013000
A_23_P257417	5,80765	5,825	-1,012098708	ENST00000411884	130162	NM_152385	CLHC1
A_33_P3415124	4,22188	4,23924	-1,012105723	ENST00000514254	642797	AK127211	DNAH10OS
A_22_P00023327	1,67172	1,68908	-1,012105723	ENST00000471638	101927866	XR_241587	LOC101927866
A_23_P4161	4,49799	4,51535	-1,012105723	ENST00000448504	22901	AB023218	ARSG
A_33_P3218504	2,82977	2,84714	-1,012112739	N/A	N/A	N/A	N/A
A_22_P00006853	1,48559	1,50297	-1,012119754	ENST00000556016	N/A	N/A	N/A
A_23_P168898	18,2269	18,2443	-1,012133785	ENST00000466800	6224	NM_001023	RPS20
A_33_P3329467	13,6993	13,7167	-1,012133785	ENST00000359697	51657	NM_016086	STYXL1
A_21_P0010317	1,68189	1,6993	-1,012140801	N/A	N/A	N/A	Inc-COL6A1-1
A_33_P3307960	1,41319	1,43061	-1,012147816	ENST00000359318	126767	NM_001103170	AADACL3
A_21_P0013476	4,5351	4,55252	-1,012147816	N/A	N/A	N/A	XLOC_I2_014196
A_22_P00010043	1,41636	1,43381	-1,012168864	ENST00000426169	N/A	N/A	N/A
A_33_P3307810	1,76414	1,78162	-1,012189911	ENST00000448656	130940	NM_138803	CCDC148
A_23_P151321	16,8167	16,8342	-1,012203943	ENST00000551291	6128	NM_001024662	RPL6
A_33_P3289461	3,33221	3,34971	-1,012203943	ENST00000369916	140701	NM_080622	ABHD16B
A_33_P3391316	1,34948	1,36698	-1,012203943	ENST00000594169	N/A	XR_109656	N/A
A_23_P393607	12,0895	12,107	-1,012203943	ENST00000366759	116841	NM_053052	SNAP47
A_21_P0003368	1,43348	1,45099	-1,012210959	ENST00000511330	N/A	N/A	N/A
A_24_P349807	1,44008	1,4576	-1,012217976	ENST00000585734	284418	NM_001145402	FAM71E2
A_21_P0009576	1,65066	1,66819	-1,012224992	N/A	N/A	N/A	Inc-FBXO15-5
A_22_P00025323	1,46385	1,48139	-1,012232008	ENST00000367563	388719	NR_034131	LINC00272
A_21_P0001894	1,46558	1,48313	-1,012239024	ENST00000451464	N/A	N/A	N/A
A_33_P3230048	1,41534	1,4329	-1,012246041	N/A	N/A	N/A	N/A
A_22_P00011513	1,35358	1,37116	-1,012260073	N/A	101928385	XR_242863	LOC101928385
A_21_P0014411	1,36759	1,38517	-1,012260073	N/A	N/A	XR_112127	N/A
A_21_P0014612	1,42531	1,44291	-1,012274106	N/A	N/A	N/A	LOC100128095
A_33_P3300800	1,43552	1,45315	-1,012295156	ENST00000526984	390226	NR_024042	GUCY2EP

A_21_P0001508	1,35374	1,37137	-1,012295156	N/A	N/A	N/A	Inc-PPAP2B-2
A_22_P00023543	4,20364	4,22127	-1,012295156	N/A	N/A	BX098108	Inc-RNF38-1
A_22_P00005033	1,43392	1,45158	-1,012316207	ENST00000442155	N/A	N/A	N/A
A_33_P3373364	10,7882	10,8059	-1,012344274	ENST00000422221	25932	NM_013943	CLIC4
A_21_P0008616	1,50126	1,51897	-1,012351291	N/A	102724283	XR_429515	LOC102724283
A_21_P0012861	1,67626	1,69398	-1,012358309	N/A	N/A	N/A	XLOC_I2_011854
A_21_P0009259	1,61208	1,62981	-1,012365326	N/A	101927389	XR_243722	LOC101927389
A_22_P00015718	1,50002	1,51777	-1,01237936	ENST00000568344	N/A	AK055647	Inc-SYT16-1
A_22_P00021613	1,48734	1,5051	-1,012386377	ENST00000436113	N/A	N/A	N/A
A_23_P152028	11,073	11,0908	-1,012414447	ENST00000261884	9325	NM_016213	TRIP4
A_21_P0001662	1,40209	1,4199	-1,012421465	N/A	N/A	N/A	Inc-AJAP1-3
A_21_P0008261	1,59265	1,61048	-1,0124355	N/A	N/A	N/A	Inc-SLITRK6-3
A_21_P0006905	1,41756	1,43541	-1,012449535	N/A	N/A	N/A	Inc-SORCS3-2
A_33_P3256293	1,43282	1,45069	-1,012463571	ENST00000604177	N/A	N/A	N/A
A_24_P324814	10,1989	10,2168	-1,012484625	ENST00000582698	90799	NM_138363	CEP95
A_33_P3246885	11,3807	11,3986	-1,012484625	ENST00000489395	93099	NM_001190348	DMKN
A_21_P0007340	2,98253	3,00044	-1,012491643	N/A	100507144	NR_120528	LOC100507144
A_24_P944756	1,43493	1,45285	-1,012498661	ENST00000417640	64168	NM_022351	NECAB1
A_22_P00018936	1,43707	1,455	-1,012505679	N/A	N/A	DB448840	Inc-VAX2-2
A_32_P84369	1,43645	1,45439	-1,012512697	ENST00000502475	653316	NR_038353	FAM153C
A_23_P137366	1,64793	1,66589	-1,012526734	ENST00000314933	713	NM_000491	C1QB
A_21_P0003386	1,63121	1,6492	-1,012547789	ENST00000504132	N/A	N/A	N/A
A_33_P3351641	1,41021	1,4282	-1,012547789	ENST00000339140	139628	NM_198451	FOXR2
A_33_P3309929	12,871	12,889	-1,012554807	ENST00000305264	8841	NM_003883	HDAC3
A_24_P226508	1,49792	1,51594	-1,012568844	ENST00000312719	222537	NM_153612	HS3ST5
A_22_P00002324	1,74788	1,7659	-1,012568844	N/A	N/A	DA529239	Inc-C11orf55-1
A_22_P00010384	3,9247	3,94272	-1,012568844	N/A	N/A	N/A	Inc-MYL4-1
A_22_P00007776	1,50025	1,51828	-1,012575863	N/A	N/A	N/A	Inc-HNRNPA2B1-2
A_22_P00018540	1,35197	1,37	-1,012575863	N/A	101929229	NR_125432	LOC101929229
A_33_P3311503	1,467	1,48504	-1,012582882	ENST00000614072	10879	NM_006685	SMR3B
A_22_P00000765	1,42598	1,44402	-1,012582882	ENST00000521490	N/A	A1142392	N/A
A_32_P204950	2,11497	2,13302	-1,0125899	N/A	N/A	BC043001	Inc-FBXL7-2
A_21_P0001507	1,45691	1,47496	-1,0125899	N/A	N/A	N/A	Inc-PPAP2B-4

A_33_P3317731	5,00679	5,02484	-1,0125899	N/A	N/A	AK130876	N/A
A_24_P333567	7,66733	7,68539	-1,012596919	ENST00000596585	100289341	NR_027447	MAN1B1-AS1
A_22_P00010391	1,47866	1,49672	-1,012596919	ENST00000563252	101928707	XR_243381	LOC101928707
A_21_P0002395	1,35722	1,37531	-1,012617976	N/A	N/A	N/A	Inc-CMPK2-1
A_21_P0002380	2,94888	2,96703	-1,01266009	N/A	N/A	N/A	Inc-TMEM18-2
A_33_P3405504	1,59537	1,61352	-1,01266009	N/A	N/A	N/A	N/A
A_33_P3269791	1,61493	1,63308	-1,01266009	ENST00000612646	2832	NM_005286	NPBWR2
A_22_P00011855	1,46186	1,48003	-1,012674129	N/A	100874021	NR_046689	MAGI2-AS2
A_33_P3216288	1,49891	1,5171	-1,012688168	N/A	N/A	AK309023	N/A
A_23_P31903	14,1539	14,1721	-1,012695187	ENST00000530836	51160	NM_183057	VPS28
A_19_P00321475	5,29569	5,3139	-1,012702206	N/A	727710	XR_243489	LOC727710
A_21_P0003840	1,60559	1,62382	-1,012716246	N/A	101929448	XR_425753	LOC101929448
A_21_P0008390	1,35094	1,36917	-1,012716246	N/A	N/A	N/A	Inc-DLK1-6
A_32_P134209	8,42709	8,44532	-1,012716246	ENST00000352511	93	NM_001106	ACVR2B
A_33_P3368201	1,46045	1,47868	-1,012716246	ENST00000554613	643711	NR_077240	LOC643711
A_21_P0005698	1,50124	1,51949	-1,012730285	N/A	N/A	N/A	Inc-CHCHD7-2
A_21_P0006903	6,36697	6,38523	-1,012737305	N/A	N/A	N/A	Inc-BTRC-2
A_21_P0009018	1,41824	1,43651	-1,012744324	N/A	N/A	N/A	Inc-ZP2-1
A_33_P3740529	1,48907	1,50735	-1,012751344	ENST00000500076	645485	XR_242933	LOC645485
A_22_P00014810	1,45729	1,47558	-1,012758364	ENST00000533039	N/A	N/A	N/A
A_33_P3356752	4,41799	4,43629	-1,012765384	ENST00000401670	2852	NM_001039966	GPER1
A_21_P0003910	1,62517	1,64347	-1,012765384	N/A	N/A	N/A	Inc-RP11-487E13.1.1-1
A_21_P0005605	5,28646	5,30479	-1,012786444	N/A	N/A	N/A	Inc-GUSB-2
A_22_P00008265	1,66236	1,6807	-1,012793464	N/A	N/A	N/A	Inc-IRX2-5
A_23_P209499	1,46437	1,48271	-1,012793464	ENST00000350526	5077	NM_181458	PAX3
A_21_P0001892	1,63973	1,65808	-1,012800484	ENST00000453322	101927383	XR_244909	LOC101927383
A_33_P3267731	1,46225	1,48063	-1,012821545	ENST00000447497	100130954	NR_034016	LINC01502
A_33_P3364646	1,99047	2,00885	-1,012821545	ENST00000264400	153020	NM_152545	RASGEF1B
A_33_P3259022	5,73377	5,75217	-1,012835586	ENST00000219833	6530	NM_001172504	SLC6A2
A_33_P3260193	1,36302	1,38144	-1,012849627	ENST00000475209	400757	NM_001276352	C1orf141
A_21_P0000423	1,35935	1,37778	-1,012856648	N/A	767608	NR_003220	SNORD114-27
A_22_P00003738	1,43412	1,45255	-1,012856648	ENST00000564293	N/A	N/A	N/A
A_33_P3399598	3,25094	3,26937	-1,012856648	N/A	5826	AK125109	ABCD4

A_22_P00010525	1,42799	1,44643	-1,012863668	ENST00000421604	N/A	N/A	N/A
A_22_P00003481	2,71837	2,73681	-1,012863668	ENST00000473959	151887	N/A	CCDC80
A_23_P66844	1,42249	1,44094	-1,012870689	ENST00000391417	100132476	NM_033061	KRTAP4-7
A_22_P00024160	1,47019	1,48866	-1,01288473	N/A	N/A	BC040305	Inc-MTRNR2L5-4
A_24_P34534	1,65978	1,67826	-1,012891751	ENST00000358768	117583	NM_152526	PARD3B
A_23_P69720	14,3835	14,402	-1,012905793	ENST00000509648	308	NM_001154	ANXA5
A_21_P0010427	1,64799	1,66649	-1,012905793	N/A	N/A	N/A	Inc-FAM19A5-1
A_23_P107775	5,07641	5,09492	-1,012912814	ENST00000291934	147744	NM_139172	TMEM190
A_21_P0011215	1,63217	1,6507	-1,012926856	ENST00000423575	N/A	N/A	N/A
A_22_P00014893	1,49834	1,51689	-1,012940898	N/A	N/A	N/A	Inc-SLC7A13-2
A_33_P3270346	3,34784	3,36639	-1,012940898	ENST00000615969	57292	NM_020535	KIR2DL5A
A_21_P0005520	1,49092	1,50947	-1,012940898	N/A	N/A	N/A	Inc-RELN-1
A_33_P3215457	3,02533	3,04391	-1,012961962	ENST00000619629	4547	NM_000253	MTTP
A_33_P3231437	1,39059	1,40917	-1,012961962	N/A	N/A	N/A	N/A
A_21_P0001316	1,42877	1,44739	-1,012990048	N/A	N/A	N/A	Inc-CTH-1
A_33_P3285911	5,25703	5,27569	-1,013018134	ENST00000368847	91749	NM_153369	KIAA1919
A_21_P0013288	1,43468	1,45335	-1,013025156	N/A	N/A	N/A	XLOC_l2_013741
A_21_P0010415	7,2809	7,2996	-1,013046221	N/A	N/A	N/A	Inc-APOL1-1
A_21_P0008305	1,45796	1,47666	-1,013046221	N/A	N/A	N/A	Inc-FOXG1-6
A_24_P126491	1,42711	1,44583	-1,013060265	ENST00000397104	100287226	NM_001242680	ZNF729
A_21_P0008642	1,45676	1,47548	-1,013060265	N/A	N/A	N/A	Inc-RAB8B-1
A_21_P0002920	4,46264	4,4814	-1,013088353	N/A	N/A	N/A	Inc-CPN2-3
A_21_P0000698	1,40036	1,41913	-1,013095376	ENST00000454455	100505964	NR_037881	LINC01304
A_23_P207582	1,42126	1,44006	-1,013116443	ENST00000613642	6360	XM_006725334	CCL16
A_33_P3340639	7,1815	7,20032	-1,013130488	ENST00000369425	57678	AL832464	GPAM
A_21_P0008568	2,04332	2,06214	-1,013130488	ENST00000499797	N/A	XR_429516	N/A
A_33_P3395876	6,40364	6,42247	-1,01313751	ENST00000380702	5141	NM_001111307	PDE4A
A_22_P00018979	1,3555	1,37433	-1,01313751	N/A	N/A	N/A	Inc-CEP170-4
A_22_P00010661	1,59694	1,61577	-1,01313751	N/A	N/A	N/A	Inc-NELL1-1
A_21_P0000770	1,34958	1,36842	-1,013144533	N/A	100505658	NR_038333	LOC100505658
A_21_P0007474	1,35033	1,3692	-1,013165601	N/A	N/A	N/A	Inc-SPATA19-1
A_22_P00021261	2,33241	2,35128	-1,013165601	N/A	N/A	N/A	Inc-C20orf3-3
A_22_P00011467	1,76093	1,77982	-1,013179646	ENST00000438082	N/A	N/A	N/A

A_22_P00024040	1,68055	1,69944	-1,013179646	ENST00000571192	N/A	N/A	N/A
A_24_P280274	1,42973	1,44863	-1,013186669	ENST00000368729	338324	NM_176823	S100A7A
A_21_P0012336	6,77545	6,79437	-1,013200715	ENST00000412448	92086	NM_178311	GGTLC1
A_33_P3321120	2,81557	2,83449	-1,013200715	N/A	N/A	N/A	N/A
A_21_P0010591	7,24526	7,26419	-1,013207738	N/A	N/A	N/A	XLOC_I2_000727
A_33_P3346691	1,4633	1,48223	-1,013207738	N/A	N/A	N/A	N/A
A_21_P0008180	1,4228	1,44173	-1,013207738	N/A	N/A	N/A	Inc-AL355390.1-2
A_22_P00017695	1,4712	1,49015	-1,013221784	ENST00000442316	N/A	N/A	N/A
A_23_P338168	9,16348	9,18244	-1,013228807	ENST00000338343	54620	NM_001099784	FBXL19
A_24_P326398	1,42066	1,43964	-1,013242854	ENST00000373631	286204	NM_173689	CRB2
A_32_P134007	1,38913	1,40811	-1,013242854	ENST00000622811	114786	NM_052898	XKR4
A_23_P34510	10,1704	10,1894	-1,0132569	ENST00000467894	1912	NM_198040	PHC2
A_22_P00020737	11,595	11,614	-1,0132569	N/A	N/A	CN291113	Inc-C10orf71-1
A_33_P3246613	11,0663	11,0853	-1,0132569	ENST00000478979	124093	NM_001031737	CCDC78
A_21_P0003571	1,3614	1,3804	-1,0132569	N/A	102723525	XR_425708	LOC102723525
A_21_P0008674	1,43254	1,45154	-1,0132569	N/A	N/A	N/A	Inc-CHD2-1
A_19_P00809915	1,64291	1,66192	-1,013263924	N/A	N/A	N/A	Inc-C8orf45-1
A_22_P00015050	2,78353	2,80254	-1,013263924	ENST00000512245	N/A	N/A	N/A
A_24_P255100	1,42543	1,44445	-1,013270947	ENST00000495399	138255	NM_001010940	C9orf135
A_21_P0010390	1,62477	1,64379	-1,013270947	N/A	N/A	N/A	Inc-CECR2-2
A_33_P3362301	5,71383	5,73286	-1,01327797	ENST00000438353	N/A	AY956761	N/A
A_21_P0003139	1,41748	1,43653	-1,013292018	N/A	N/A	N/A	Inc-RPL24-2
A_23_P81018	1,46811	1,48717	-1,013299041	ENST00000295266	5161	NM_005390	PDHA2
A_23_P9523	9,10861	9,12769	-1,013313089	ENST00000449378	64080	NM_022128	RBKS
A_21_P0010477	1,36185	1,38094	-1,013320112	N/A	N/A	N/A	Inc-SYN3-1
A_22_P00025927	1,49446	1,51356	-1,013327136	N/A	N/A	BM666676	Inc-PHYHIPL-1
A_33_P3377274	5,12326	5,14237	-1,01333416	N/A	N/A	N/A	N/A
A_33_P3422394	1,45996	1,47907	-1,01333416	ENST00000421388	390616	NM_001146341	ANKRD34C
A_21_P0014585	4,35333	4,37244	-1,01333416	N/A	100507297	NR_047573	TMEM44-AS1
A_22_P00016711	1,61083	1,62995	-1,013341184	ENST00000503597	N/A	N/A	N/A
A_23_P364792	1,39743	1,41656	-1,013348208	ENST00000447520	246126	NR_045129	TXLNGY
A_33_P6470630	1,49349	1,51268	-1,013390353	ENST00000441851	100505918	N/A	LOC100505918
A_33_P3363515	16,6228	16,642	-1,013397377	ENST00000557439	7517	N/A	XRCC3



A_21_P0007847	1,4961	1,5153	-1,013397377	N/A	N/A	N/A	Inc-NEDD1-5
A_23_P61398	14,2038	14,223	-1,013397377	ENST00000360612	415116	NM_001001852	PIM3
A_21_P0004417	1,59386	1,61307	-1,013404401	N/A	102524628	NR_105015	RASGRF2-AS1
A_22_P00025753	1,58968	1,6089	-1,013411426	ENST00000423629	100874151	NR_047005	LINC00381
A_33_P3338833	1,65704	1,67628	-1,013425475	N/A	N/A	N/A	N/A
A_24_P418536	6,35288	6,37217	-1,013460598	ENST00000425480	N/A	N/A	N/A
A_23_P42032	1,46167	1,48097	-1,013467623	ENST00000369952	3617	NM_001563	IMPG1
A_21_P0001115	1,66927	1,68858	-1,013474648	N/A	N/A	N/A	Inc-MATN1-3
A_22_P00002349	1,68959	1,7089	-1,013474648	ENST00000552470	N/A	N/A	N/A
A_22_P00010731	1,41675	1,43607	-1,013481673	N/A	N/A	N/A	Inc-NID2-2
A_33_P3236955	1,59855	1,61787	-1,013481673	N/A	N/A	BE782190	N/A
A_23_P429478	1,37574	1,39507	-1,013488698	ENST00000295226	151278	NM_153038	CCDC140
A_22_P00011837	1,40768	1,42705	-1,013516798	ENST00000449463	N/A	N/A	N/A
A_23_P409502	1,36894	1,38832	-1,013523823	ENST00000590200	338321	NM_176820	NLRP9
A_22_P00021659	1,48342	1,50281	-1,013530848	ENST00000448074	200132	N/A	TCTEX1D1
A_23_P408280	1,47443	1,49383	-1,013537874	ENST00000313294	283847	NM_001136505	CCDC79
A_21_P0013956	4,9595	4,9789	-1,013537874	ENST00000601609	8497	XR_426803	PPFIA4
A_23_P150147	10,7729	10,7923	-1,013537874	ENST00000532881	54961	NM_017857	SSH3
A_23_P216579	1,48675	1,50615	-1,013537874	ENST00000314527	114299	NM_053016	PALM2
A_22_P00003488	1,426	1,44542	-1,013551924	N/A	N/A	N/A	Inc-CCDC83-1
A_23_P82099	1,42221	1,44163	-1,013551924	ENST00000159060	50508	NM_015718	NOX3
A_21_P0014046	4,06132	4,08076	-1,013565975	N/A	N/A	AK129721	N/A
A_19_P00317237	9,83255	9,852	-1,013573001	N/A	N/A	N/A	Inc-AC114947.1.1-2
A_21_P0007591	1,48428	1,50375	-1,013587052	ENST00000550042	N/A	XM_006719676	N/A
A_22_P00008522	1,62753	1,647	-1,013587052	ENST00000584594	N/A	N/A	N/A
A_22_P00013218	1,6481	1,66757	-1,013587052	ENST00000474979	N/A	XM_003960334	N/A
A_33_P3252146	5,94619	5,96567	-1,013594078	ENST00000357878	340784	NM_001105574	HMX3
A_33_P3305974	8,24989	8,26938	-1,013601103	ENST00000397138	8773	NM_003825	SNAP23
A_33_P3368646	5,65954	5,67905	-1,013615155	ENST00000616478	154043	NM_173515	CNKS3
A_33_P3439713	1,66055	1,68006	-1,013615155	ENST00000307050	161725	AK094982	OTUD7A
A_22_P00021141	1,6071	1,62664	-1,013636233	N/A	N/A	BG184512	Inc-PRDM4-4
A_24_P706327	1,48509	1,50467	-1,013664337	ENST00000390461	N/A	X58739	N/A
A_33_P3251369	1,5957	1,61529	-1,013671363	ENST00000369575	139716	NM_001081573	GAB3

A_33_P3397795	11,0904	11,11	-1,013678389	N/A	64430	AK095489	PCNXL4
A_23_P99632	11,3365	11,3561	-1,013678389	ENST00000559449	55072	NM_017999	RNF31
A_21_P0007782	1,43198	1,4516	-1,013692442	N/A	N/A	N/A	Inc-DHX37-8
A_23_P212749	8,92177	8,94139	-1,013692442	ENST00000510626	3064	NM_002111	HTT
A_23_P47322	1,35841	1,37807	-1,013720548	ENST00000456861	54766	NM_017589	BTG4
A_22_P00011985	1,46138	1,48105	-1,013727575	N/A	N/A	N/A	Inc-PLAGL2-1
A_33_P3300262	1,49365	1,51332	-1,013727575	ENST00000457137	5212	NM_001177972	VIT
A_23_P331813	9,12684	9,14652	-1,013734601	ENST00000449313	57592	NM_020832	ZNF687
A_23_P208835	11,4159	11,4356	-1,013748655	ENST00000595715	5605	NM_030662	MAP2K2
A_21_P0010394	10,8338	10,8535	-1,013748655	N/A	N/A	N/A	Inc-ZNF74-1
A_32_P145153	17,6467	17,6664	-1,013748655	ENST00000490759	6160	NM_000993	RPL31
A_22_P00014978	1,6007	1,62041	-1,013755682	N/A	N/A	N/A	Inc-SMARCC2-4
A_23_P84922	8,22075	8,24047	-1,013762708	ENST00000470998	55869	NM_018486	HDAC8
A_22_P00004480	8,21484	8,23462	-1,01380487	ENST00000397644	100131551	NR_024480	LINC00887
A_21_P0002468	6,29268	6,31246	-1,01380487	N/A	N/A	N/A	Inc-SUCLG1-1
A_22_P00003862	1,67893	1,69873	-1,013818925	ENST00000429539	101928298	N/A	LOC101928298
A_23_P69326	2,24833	2,26815	-1,01383298	ENST00000283269	8618	NM_183393	CADPS
A_21_P0012410	1,4943	1,51412	-1,01383298	N/A	N/A	N/A	XLOC_I2_009979
A_21_P0002759	1,3675	1,38732	-1,01383298	ENST00000488348	N/A	N/A	N/A
A_22_P00007694	1,45971	1,47954	-1,013840007	N/A	N/A	N/A	Inc-HIST1H3F-1
A_33_P3261586	1,54122	1,56105	-1,013840007	ENST00000453220	255101	NM_194302	CCDC108
A_22_P00015780	1,72918	1,74905	-1,013868117	ENST00000536572	N/A	N/A	N/A
A_22_P00006293	14,4512	14,4711	-1,0138892	N/A	N/A	BP397453	Inc-FAM83F-1
A_21_P0012798	1,47666	1,49657	-1,013896228	ENST00000503208	641365	N/A	LINC00616
A_22_P00001459	8,44274	8,46266	-1,013903255	N/A	N/A	N/A	Inc-AQP11-2
A_23_P151870	8,45751	8,47744	-1,013910283	ENST00000261858	26035	NM_015554	GLCE
A_32_P51237	1,35278	1,37271	-1,013910283	ENST00000371150	163782	NM_181712	KANK4
A_21_P0004172	1,41078	1,43071	-1,013910283	ENST00000506769	101927280	N/A	LOC101927280
A_23_P156310	9,47174	9,4917	-1,013931367	ENST00000274254	6502	NM_032637	SKP2
A_33_P3391090	1,45786	1,47782	-1,013931367	N/A	100131763	AK094921	LOC100131763
A_22_P00022029	1,79977	1,81974	-1,013938395	N/A	N/A	N/A	Inc-METTL13-1
A_32_P196263	1,61038	1,63038	-1,01395948	ENST00000477180	56999	NM_182920	ADAMTS9
A_23_P372356	1,75107	1,77107	-1,01395948	ENST00000624458	145858	NM_153040	C15orf32

A_22_P00006364	3,02753	3,04753	-1,01395948	ENST00000432694	N/A	BQ707656	N/A
A_21_P0009066	1,58826	1,60827	-1,013966508	N/A	N/A	N/A	Inc-MAF-2
A_32_P99055	1,35937	1,37941	-1,013987593	ENST00000354646	65267	NM_020922	WNK3
A_22_P00000329	1,40437	1,42442	-1,013994622	N/A	N/A	N/A	Inc-AC012123.1.1-1
A_22_P00012677	3,48452	3,50466	-1,01405788	N/A	N/A	N/A	Inc-QPCT-2
A_21_P0001677	1,49269	1,51285	-1,014071938	N/A	N/A	N/A	Inc-HPDL-1
A_33_P3239317	6,70778	6,72796	-1,014085996	N/A	400752	NR_024270	LINC01144
A_33_P3215277	10,4679	10,4881	-1,014100054	ENST00000622375	146057	NM_173500	TTBK2
A_33_P3257179	1,66282	1,68303	-1,014107083	N/A	N/A	N/A	N/A
A_33_P3419264	1,4509	1,47114	-1,014128171	ENST00000296870	3562	NM_000588	IL3
A_21_P0014118	2,44668	2,46693	-1,014135201	N/A	N/A	XR_108490	N/A
A_33_P3282978	5,99494	6,0152	-1,01414223	N/A	N/A	N/A	N/A
A_22_P00021661	1,45925	1,47952	-1,01414926	ENST00000417161	N/A	N/A	N/A
A_23_P120588	1,45949	1,47977	-1,014156289	ENST00000377009	140880	NM_130794	CST11
A_21_P0012582	1,617	1,63729	-1,014163319	N/A	N/A	N/A	XLOC_l2_010636
A_21_P0004317	1,64288	1,66317	-1,014163319	N/A	N/A	N/A	Inc-KIF4B-1
A_21_P0008505	1,6063	1,6266	-1,014170349	N/A	N/A	N/A	Inc-FOXG1-6
A_23_P112531	13,5127	13,533	-1,014170349	ENST00000300434	399665	NM_001035254	FAM102A
A_23_P432598	9,72779	9,7481	-1,014177378	ENST00000297265	92421	NM_152284	CHMP4C
A_33_P3377609	1,48221	1,50258	-1,014219558	ENST00000402183	6677	NM_001174044	SPAM1
A_32_P149298	5,95959	5,97997	-1,014226588	ENST00000453873	84542	NM_001129993	KIAA1841
A_23_P205575	8,53117	8,55156	-1,014233618	ENST00000481661	64582	NM_022571	GPR135
A_21_P0008416	1,47355	1,49396	-1,014247678	ENST00000550975	N/A	XR_424486	N/A
A_21_P0004177	1,42057	1,44101	-1,014268769	N/A	N/A	N/A	Inc-ZNF608-4
A_21_P0004963	1,48629	1,50674	-1,0142758	N/A	N/A	N/A	Inc-FNDC1-3
A_22_P00006936	1,46088	1,48134	-1,01428283	ENST00000497946	N/A	N/A	N/A
A_23_P377860	1,47739	1,49786	-1,01428986	N/A	150147	NR_027243	UMODL1-AS1
A_21_P0003676	1,6518	1,67229	-1,014303922	N/A	N/A	N/A	Inc-GALNTL6-2
A_23_P157170	10,8141	10,8346	-1,014310952	ENST00000395176	84277	NM_032317	DNAJC30
A_21_P0011035	8,28418	8,30468	-1,014310952	N/A	101928054	XR_242910	LOC101928054
A_22_P00013701	3,09203	3,11255	-1,014325014	N/A	N/A	N/A	Inc-RP11-770J1.4.1-1
A_23_P74178	6,2113	6,23183	-1,014332044	ENST00000373706	3061	NM_001525	HCRTR1
A_33_P3385161	1,4523	1,47284	-1,014339075	ENST00000398186	285588	N/A	EFCAB9

A_22_P00006345	1,45767	1,47823	-1,014353137	ENST00000554319	N/A	CD103050	N/A
A_33_P3465247	8,9371	8,95768	-1,014367199	ENST00000618515	11127	NM_001300791	KIF3A
A_33_P3295253	1,60289	1,62348	-1,01437423	ENST00000475434	56203	AM393202	LMOD3
A_33_P3274821	1,48711	1,5077	-1,01437423	ENST00000376678	116437	NR_026670	LINC01257
A_23_P340717	1,49263	1,51323	-1,014381261	ENST00000305901	3175	NM_004498	ONECUT1
A_33_P3257222	12,0353	12,0559	-1,014381261	ENST00000470947	118881	NM_144589	COMTD1
A_33_P3400993	1,38722	1,40784	-1,014395324	ENST00000420762	101929689	XR_247063	LOC101929689
A_33_P3274105	9,13244	9,15307	-1,014402355	ENST00000403506	130162	N/A	CLHC1
A_33_P3809328	3,01446	3,03509	-1,014402355	N/A	N/A	N/A	N/A
A_21_P0011088	1,36481	1,38546	-1,014416418	N/A	N/A	N/A	XLOC_I2_003293
A_33_P3346067	3,92878	3,94944	-1,014423449	N/A	388813	NM_001256579	LOC388813
A_21_P0009634	1,379	1,39968	-1,014437512	ENST00000578633	N/A	XR_430113	N/A
A_33_P3268181	1,39204	1,41275	-1,014458607	ENST00000413578	55679	NM_001161404	LIMS2
A_24_P235756	1,63953	1,66024	-1,014458607	ENST00000396950	81285	NM_030774	OR51E2
A_22_P00008530	4,63377	4,65449	-1,014465639	N/A	N/A	N/A	lnc-KCNJ4-2
A_33_P3392092	1,48975	1,51048	-1,014472671	ENST00000579794	116	NM_001117	ADCYAP1
A_24_P271773	1,44545	1,46619	-1,014479702	ENST00000623466	54661	NR_001280	PCDHB17P
A_22_P00021017	1,37189	1,39265	-1,014493766	ENST00000586373	101928141	NR_104129	LINC01028
A_22_P00025886	1,38996	1,41072	-1,014493766	N/A	N/A	N/A	lnc-CMTM3-1
A_33_P3327772	6,1239	6,14466	-1,014493766	ENST00000343533	538	NM_000052	ATP7A
A_33_P3268403	1,36427	1,38503	-1,014493766	ENST00000476050	80342	AK126139	TRAF3IP3
A_33_P3295348	1,66658	1,68735	-1,014500798	ENST00000455827	387836	NM_001130711	CLEC2A
A_24_P229536	1,46023	1,481	-1,014500798	ENST00000418813	388815	NR_111005	MIR99AHG
A_33_P3229968	1,60933	1,63011	-1,01450783	ENST00000455382	N/A	AB305927	N/A
A_21_P0010928	6,4778	6,49858	-1,01450783	N/A	N/A	N/A	lnc-SORCS3-7
A_33_P3404331	8,42852	8,44932	-1,014521894	ENST00000538427	23118	NM_015093	TAB2
A_33_P3359022	1,47061	1,49149	-1,014578153	ENST00000244314	56269	NM_019612	IRGC
A_33_P3310949	1,4769	1,49779	-1,014585185	N/A	N/A	AF461896	N/A
A_33_P3229958	1,38464	1,40553	-1,014585185	N/A	N/A	N/A	N/A
A_21_P0006365	1,63034	1,65123	-1,014585185	N/A	N/A	N/A	lnc-RAD23B-8
A_33_P3378360	13,8471	13,868	-1,014592218	ENST00000567272	27166	NM_013237	PRELID1
A_21_P0006150	1,35089	1,37179	-1,014592218	N/A	N/A	N/A	lnc-C9orf135-1
A_33_P3315836	1,62072	1,64164	-1,014606283	N/A	N/A	N/A	N/A

A_21_P0005043	1,58658	1,60751	-1,014613316	N/A	N/A	N/A	Inc-GPR63-4
A_21_P0010240	2,9801	3,00105	-1,014627382	N/A	102724630	XR_425268	LOC102724630
A_33_P3400973	1,7348	1,75577	-1,014641447	ENST00000460129	491	NM_001001331	ATP2B2
A_33_P3229918	1,47819	1,49918	-1,014655514	ENST00000616441	171558	NM_001243168	PTCRA
A_33_P3244369	4,28706	4,30806	-1,014662547	ENST00000614548	100132541	NR_121572	GXYLT1P3
A_33_P3359383	1,35151	1,37252	-1,01466958	ENST00000308940	284433	NM_001004466	OR10H5
A_21_P0008149	2,39273	2,41374	-1,01466958	N/A	N/A	N/A	Inc-C13orf44-1
A_21_P0003763	1,47436	1,49539	-1,014683646	N/A	N/A	N/A	Inc-PDE5A-1
A_33_P3407007	1,59336	1,61443	-1,014711178	ENST00000500989	100130231	N/A	LINC00861
A_22_P00014160	1,64551	1,6666	-1,014725846	N/A	N/A	N/A	Inc-SCPEP1-2
A_33_P3312886	1,53101	1,55212	-1,014739914	N/A	N/A	N/A	N/A
A_23_P31996	1,38406	1,40517	-1,014739914	ENST00000491462	57864	NM_033051	SLC46A2
A_22_P00020804	1,38602	1,40716	-1,014761015	ENST00000442567	N/A	N/A	N/A
A_33_P3284266	1,35005	1,37119	-1,014761015	N/A	N/A	N/A	N/A
A_22_P00013309	1,72245	1,74365	-1,014803218	ENST00000546696	N/A	N/A	N/A
A_33_P3233834	7,22648	7,2477	-1,014817287	ENST00000396816	3572	NM_001190981	IL6ST
A_22_P00017860	1,66984	1,69107	-1,014824321	N/A	N/A	DA365556	Inc-ZDHHC17-2
A_22_P00016094	1,47901	1,50025	-1,014831355	N/A	N/A	DA084938	Inc-THOC5-1
A_22_P00008968	1,42161	1,44286	-1,014838389	ENST00000444442	N/A	N/A	N/A
A_22_P00001304	1,35186	1,37312	-1,014845424	ENST00000526327	N/A	N/A	N/A
A_21_P0009322	1,35025	1,37152	-1,014852458	N/A	N/A	N/A	Inc-NEUROD2-1
A_21_P0014423	7,07895	7,10022	-1,014852458	N/A	N/A	N/A	N/A
A_21_P0002390	1,44071	1,462	-1,014866527	N/A	N/A	N/A	Inc-CMPK2-4
A_33_P3410459	13,1213	13,1426	-1,014873562	ENST00000264896	950	NM_001204255	SCARB2
A_32_P60065	1,45844	1,47975	-1,014880596	ENST00000296641	2151	NM_004101	F2RL2
A_21_P0011044	2,27355	2,29487	-1,014887631	N/A	N/A	N/A	XLOC_I2_002945
A_33_P3321642	5,80426	5,82561	-1,014908735	ENST00000395927	79977	NM_024915	GRHL2
A_24_P332482	15,127	15,1484	-1,01494391	ENST00000482584	N/A	N/A	N/A
A_33_P3409575	2,06547	2,0869	-1,014965015	N/A	N/A	N/A	N/A
A_23_P44436	7,26936	7,2908	-1,01497205	ENST00000377938	56287	NM_019617	GKN1
A_23_P142255	7,10949	7,13097	-1,015000192	ENST00000543264	56961	NM_020209	SHD
A_32_P741217	1,67415	1,69563	-1,015000192	ENST00000546029	283598	NM_182560	C14orf177
A_21_P0010855	1,4153	1,43679	-1,015007227	N/A	N/A	N/A	XLOC_I2_001851

A_23_P128734	13,9169	13,9384	-1,015014263	ENST00000557016	2079	NM_004450	ERH
A_24_P307653	1,66696	1,68846	-1,015014263	ENST00000266682	55117	NM_182767	SLC6A15
A_33_P3335535	1,54846	1,56998	-1,015028334	ENST00000536898	100128682	NR_040046	LINC01531
A_33_P3374318	1,36137	1,38292	-1,015049441	N/A	N/A	N/A	Inc-MFSD9-4
A_21_P0002737	1,67009	1,69164	-1,015049441	ENST00000415991	N/A	N/A	N/A
A_21_P0006040	1,48648	1,50803	-1,015049441	N/A	N/A	N/A	Inc-ACTL7A-1
A_33_P3343101	6,45064	6,47221	-1,015063513	N/A	55082	XR_243043	ARGLU1
A_21_P0009056	5,0043	5,02588	-1,015070549	ENST00000561611	101927957	N/A	LINC01572
A_33_P3266674	6,00108	6,02266	-1,015070549	ENST00000302995	140685	NM_025224	ZBTB46
A_22_P00020058	1,44647	1,46805	-1,015070549	ENST00000507027	102467077	N/A	LINC00603
A_22_P00013422	1,58728	1,60887	-1,015077585	ENST00000450760	N/A	N/A	N/A
A_33_P3367361	10,9472	10,9688	-1,015084621	ENST00000181796	83641	NM_001282695	FAM107B
A_23_P256342	10,8643	10,8859	-1,015084621	ENST00000409076	23161	NM_015132	SNX13
A_23_P371777	1,35568	1,37729	-1,015091657	ENST00000577647	N/A	BC036375	N/A
A_21_P0004789	6,50853	6,53015	-1,015098693	N/A	N/A	N/A	Inc-KATNA1-1
A_23_P324813	1,45886	1,48048	-1,015098693	ENST00000293805	255877	NM_181844	BCL6B
A_33_P3292064	1,65824	1,67988	-1,015112765	N/A	254240	BC062656	BPIFC
A_22_P00011742	1,62039	1,64203	-1,015112765	ENST00000521215	N/A	DB035978	N/A
A_33_P3313730	5,46801	5,48965	-1,015112765	ENST00000356331	6452	NM_001145855	SH3BP2
A_23_P425197	1,487	1,50866	-1,015126838	ENST00000425614	149233	NM_144701	IL23R
A_21_P0009621	1,48774	1,50941	-1,015133874	ENST00000592198	N/A	N/A	N/A
A_21_P0012247	1,34902	1,3707	-1,01514091	N/A	26220	XR_109700	DGCR5
A_33_P3413791	1,36593	1,38762	-1,015147947	N/A	100130314	AK126710	LOC100130314
A_24_P328492	7,89569	7,91739	-1,015154983	ENST00000394861	9655	NM_144949	SOCS5
A_33_P3255324	1,40398	1,42569	-1,01516202	ENST00000483225	392459	N/A	CXXC1P1
A_33_P3371333	1,47592	1,49763	-1,01516202	ENST00000563456	347688	NM_177987	TUBB8
A_22_P00010283	6,56399	6,5857	-1,01516202	N/A	N/A	AK125312	Inc-MTPAP-1
A_24_P44780	1,48405	1,50578	-1,015176093	ENST00000300591	125336	NM_001145472	LOXHD1
A_23_P52311	5,52339	5,54514	-1,015190167	ENST00000369839	6877	NM_006951	TAF5
A_33_P3407638	9,89522	9,91699	-1,01520424	ENST00000282032	120534	NM_152316	ARL14EP
A_33_P6713895	8,31706	8,33884	-1,015211277	ENST00000581989	23164	NM_201274	MPRIP
A_22_P00018451	7,85364	7,87545	-1,015232388	N/A	N/A	N/A	Inc-FRMD5-1
A_22_P00002873	1,45694	1,47883	-1,015288686	ENST00000462300	N/A	N/A	N/A

A_24_P21266	6,58334	6,60526	-1,015309799	ENST00000397228	11160	NM_001003790	ERLIN2
A_21_P0002952	1,60486	1,62678	-1,015309799	N/A	N/A	N/A	Inc-FAM198A-2
A_19_P00317753	4,73945	4,76137	-1,015309799	N/A	101929563	N/A	LOC101929563
A_22_P00016259	7,6003	7,62228	-1,015352025	ENST00000411670	100131564	NR_034089	LOC100131564
A_33_P3365750	1,38789	1,4099	-1,015373139	ENST00000553526	161436	NM_183387	EML5
A_21_P0004904	1,73258	1,7546	-1,015380177	N/A	N/A	N/A	Inc-TPBG-2
A_22_P00015453	1,44562	1,46764	-1,015380177	N/A	100874120	NR_046742	ZNF630-AS1
A_21_P0004846	2,17376	2,19579	-1,015387215	N/A	N/A	N/A	Inc-MYLIP-1
A_21_P0012248	7,97851	8,00054	-1,015387215	N/A	26220	NR_110533	DGCR5
A_21_P0009297	1,63632	1,65839	-1,015415368	N/A	N/A	N/A	Inc-PIRT-2
A_22_P00013451	5,90353	5,92561	-1,015422406	N/A	N/A	BU558156	Inc-RP11-295K3.1.1-1
A_22_P00003424	15,4825	15,5046	-1,015436483	ENST00000445172	N/A	XR_108641	N/A
A_33_P3282880	1,66442	1,68652	-1,015436483	N/A	79589	NM_194463	RNF128
A_24_P701030	1,4066	1,42871	-1,015443522	N/A	154442	NR_037157	BVES-AS1
A_22_P00023588	6,85658	6,87873	-1,015471676	ENST00000428828	27442	NR_038398	CECR3
A_23_P378288	7,28698	7,30915	-1,015485754	ENST00000262032	64375	NM_022465	IKZF4
A_33_P3245021	1,47292	1,49511	-1,015499831	N/A	N/A	N/A	N/A
A_23_P17144	12,6581	12,6803	-1,01550687	ENST00000616939	11321	NM_007266	GPN1
A_21_P0011583	1,41716	1,43937	-1,015513909	N/A	N/A	N/A	XLOC_I2_006036
A_22_P00015741	1,62668	1,64892	-1,015535026	N/A	N/A	N/A	Inc-TADA2B-1
A_22_P00016754	4,18463	4,2069	-1,015556144	N/A	N/A	N/A	Inc-TRIM16-1
A_33_P3398406	1,35423	1,37652	-1,015570223	ENST00000262441	9340	NM_004246	GLP2R
A_21_P0012379	9,05475	9,07705	-1,015577262	N/A	N/A	N/A	XLOC_I2_009773
A_23_P305245	1,48502	1,50733	-1,015584302	ENST00000326474	401097	NM_001168214	C3orf80
A_21_P0007603	1,36626	1,38858	-1,015591341	N/A	N/A	N/A	Inc-CLLU1.1-9
A_23_P217621	3,64345	3,66578	-1,015598381	ENST00000356784	54457	NM_024885	TAF7L
A_33_P3285629	5,1745	5,19687	-1,01562654	ENST00000579312	64446	NM_023036	DNAI2
A_22_P00017652	1,43817	1,46056	-1,015640619	N/A	N/A	N/A	Inc-WRAP73-3
A_22_P00016254	1,59839	1,62081	-1,015661739	ENST00000558897	101928227	NR_120330	LOC101928227
A_33_P3338172	1,48441	1,50683	-1,015661739	N/A	404744	NR_033665	NPSR1-AS1
A_23_P55779	4,41636	4,43879	-1,015668779	ENST00000330436	1553	NM_000766	CYP2A13
A_21_P0003169	1,45493	1,47737	-1,015675819	N/A	N/A	N/A	Inc-TPRA1-1
A_22_P00004450	1,35077	1,37321	-1,015675819	ENST00000504046	N/A	N/A	N/A

A_23_P85053	9,11479	9,13723	-1,015675819	ENST00000307771	8233	NM_005089	ZRSR2
A_21_P0013092	1,38276	1,40523	-1,01569694	N/A	N/A	N/A	XLOC_I2_013119
A_21_P0008136	1,42971	1,45218	-1,01569694	ENST00000420210	N/A	N/A	N/A
A_33_P3237359	10,7181	10,7406	-1,015718061	ENST00000325307	3149	NM_001301228	HMGB3
A_22_P00025371	5,93398	5,95648	-1,015718061	N/A	401480	XR_242443	LOC401480
A_22_P00003758	3,12853	3,15104	-1,015725101	N/A	N/A	N/A	Inc-CDHR4-1
A_22_P00017620	1,38741	1,40996	-1,015753264	ENST00000507424	N/A	AK125859	N/A
A_21_P0003082	1,45225	1,47481	-1,015760304	N/A	N/A	N/A	Inc-HES1-2
A_33_P3390008	1,39133	1,41389	-1,015760304	ENST00000390286	N/A	N/A	N/A
A_23_P56170	9,74265	9,76523	-1,015774386	ENST00000325464	10025	NM_005481	MED16
A_23_P202206	11,3679	11,3905	-1,015788468	ENST00000498052	119391	NM_183239	GSTO2
A_33_P3289204	7,37097	7,39358	-1,015795509	ENST00000489327	22848	NM_014911	AAK1
A_22_P00023387	1,55377	1,57639	-1,015802549	ENST00000420905	400002	XR_253017	FLJ46363
A_22_P00020147	1,47921	1,50187	-1,015830714	N/A	N/A	N/A	Inc-CELF4-1
A_22_P00021949	1,65748	1,68018	-1,015858879	N/A	N/A	AL833160	Inc-EGR3-1
A_22_P00025924	1,4124	1,4351	-1,015858879	N/A	N/A	BG211230	Inc-HSPH1-3
A_33_P3339860	13,2076	13,2303	-1,015858879	ENST00000617275	59339	NM_021623	PLEKHA2
A_21_P0007735	6,3682	6,39092	-1,015872962	N/A	N/A	N/A	Inc-KITLG-2
A_21_P0012384	1,95769	1,98042	-1,015880004	ENST00000509306	N/A	N/A	N/A
A_33_P3395630	1,58805	1,61078	-1,015880004	N/A	N/A	N/A	N/A
A_33_P3326927	8,02914	8,05187	-1,015880004	ENST00000564230	7567	NM_006961	ZNF19
A_22_P00008691	1,4246	1,44734	-1,015887045	ENST00000565449	N/A	N/A	N/A
A_23_P33433	9,29758	9,32034	-1,015901128	ENST00000616501	4150	NM_001042539	MAZ
A_33_P3392087	8,41439	8,43716	-1,01590817	N/A	3425	NM_000203	IDUA
A_23_P92196	5,18441	5,20725	-1,015957463	ENST00000295755	84666	NM_032579	RETNLB
A_23_P211110	7,30514	7,32798	-1,015957463	ENST00000290399	6493	NM_005069	SIM2
A_21_P0001698	1,84905	1,8719	-1,015964506	N/A	N/A	N/A	Inc-UBL4B-1
A_24_P927325	3,7878	3,81065	-1,015964506	ENST00000313663	26005	NM_015531	C2CD3
A_23_P68868	13,1233	13,1462	-1,015999717	N/A	55000	NR_002323	TUG1
A_23_P82941	11,6668	11,6897	-1,015999717	ENST00000518290	10565	NM_006421	ARFGEF1
A_33_P3288969	1,66431	1,68727	-1,016041972	N/A	N/A	N/A	N/A
A_22_P00022879	2,6127	2,63567	-1,016049015	N/A	N/A	N/A	Inc-SMAD5-1
A_33_P3302015	1,40156	1,42454	-1,016056057	ENST00000388710	92949	NM_001040272	ADAMTSL1



A_22_P00020135	2,62594	2,64893	-1,0160631	N/A	N/A	N/A	Inc-G3BP1-1
A_22_P00001821	1,60796	1,63096	-1,016070143	N/A	N/A	N/A	Inc-ATP6V1E2-3
A_24_P142743	12,8303	12,8533	-1,016070143	ENST00000564572	1265	AK300788	CNN2
A_23_P254688	2,17295	2,19596	-1,016077186	ENST00000511388	66000	NM_023943	TMEM108
A_32_P50223	1,75539	1,77843	-1,016098315	ENST00000334770	126520	NM_001243079	PLK5
A_33_P3323678	9,47511	9,49821	-1,016140574	ENST00000545001	N/A	N/A	N/A
A_33_P3861249	1,35119	1,37429	-1,016140574	ENST00000422652	643376	NM_001145101	BTBD18
A_22_P00014931	3,97869	4,00181	-1,016154661	N/A	N/A	N/A	Inc-SLITRK5-2
A_33_P3233085	1,63483	1,65795	-1,016154661	N/A	N/A	N/A	N/A
A_22_P00025594	1,43155	1,4547	-1,016175791	ENST00000438522	N/A	N/A	N/A
A_33_P3231700	1,3687	1,39187	-1,016189879	N/A	342926	BX648243	ZNF677
A_22_P00020377	1,42244	1,44562	-1,016196922	N/A	N/A	N/A	Inc-NRAP-1
A_22_P00013908	1,36407	1,38725	-1,016196922	ENST00000416341	N/A	BX111363	N/A
A_22_P00010569	1,39688	1,42007	-1,016203966	N/A	N/A	N/A	Inc-NDEL1-2
A_22_P00017940	1,36134	1,38453	-1,016203966	ENST00000400752	653808	N/A	ZG16
A_23_P7282	10,6186	10,6418	-1,01621101	ENST00000323570	255520	NM_153702	ELMOD2
A_22_P00003913	8,75392	8,77715	-1,016232142	N/A	N/A	BX647194	Inc-CERS5-1
A_21_P0006992	1,48209	1,50533	-1,016239186	N/A	N/A	N/A	Inc-GDF10-2
A_19_P00320434	7,48333	7,50659	-1,016253274	ENST00000439050	100996579	NR_110163	LOC100996579
A_22_P00006277	1,91642	1,93969	-1,016260318	ENST00000422010	N/A	N/A	N/A
A_22_P00004521	9,3866	9,40988	-1,016267362	N/A	N/A	N/A	Inc-CR392000.1-2
A_23_P145357	11,7466	11,7699	-1,016281451	ENST00000374467	578	NM_001188	BAK1
A_22_P00004660	7,56775	7,59105	-1,016281451	ENST00000555377	N/A	DJ031130	N/A
A_33_P3368039	10,4932	10,5165	-1,016281451	ENST00000393812	347734	NM_001286520	SLC35B2
A_22_P00012735	3,82707	3,85038	-1,016288495	N/A	N/A	AK026512	Inc-RAB9B-1
A_32_P402562	1,62644	1,64977	-1,016302584	ENST00000321691	284083	NM_001038704	C17orf47
A_24_P365322	5,15791	5,18125	-1,016309629	ENST00000397732	163051	NM_152601	ZNF709
A_33_P3387943	1,37321	1,3966	-1,016344852	ENST00000264428	2743	NM_000824	GLRB
A_24_P166094	10,303	10,3264	-1,016351897	ENST00000353617	27236	NM_001025595	ARFIP1
A_22_P00009034	1,4556	1,47902	-1,016365986	ENST00000520275	100507267	NR_108022	LINC01187
A_33_P3258777	3,91206	3,93549	-1,016373031	ENST00000511731	N/A	BC010180	N/A
A_22_P00010123	1,83214	1,85558	-1,016380076	N/A	N/A	AK094559	Inc-MRPL15-1
A_21_P0009253	1,44991	1,47336	-1,016387121	N/A	N/A	N/A	Inc-ABI3-2

A_33_P3226620	1,67289	1,69639	-1,016422347	ENST00000250087	23746	NM_001285402	AIPL1
A_23_P84736	1,46169	1,48519	-1,016422347	ENST00000466387	1496	NM_004389	CTNNA2
A_23_P35529	1,38866	1,41217	-1,016429392	ENST00000373968	4153	NM_000242	MBL2
A_22_P00025077	1,4077	1,43122	-1,016436438	N/A	N/A	N/A	Inc-UTP23-3
A_21_P0012446	3,17619	3,19972	-1,016443483	N/A	N/A	N/A	XLOC_I2_010239
A_23_P252023	1,44823	1,47177	-1,016450529	ENST00000456455	6757	NM_175698	SSX2
A_22_P00021607	1,66255	1,6861	-1,016457574	N/A	N/A	N/A	Inc-SH3BGRL3-1
A_24_P295601	9,76523	9,78881	-1,016478711	ENST00000526508	9776	NM_014741	ATG13
A_24_P152356	15,3885	15,4121	-1,016492803	ENST00000498507	N/A	N/A	N/A
A_22_P00021584	1,35164	1,37525	-1,016499848	ENST00000427339	N/A	N/A	N/A
A_22_P00002037	4,71725	4,74087	-1,016506894	ENST00000608031	768097	NR_003245	HAR1B
A_33_P3329153	6,52773	6,55135	-1,016506894	ENST00000613626	8621	NM_031267	CDK13
A_22_P00001363	1,40533	1,429	-1,016542124	N/A	N/A	N/A	Inc-AP001496.1-9
A_22_P00020320	12,1046	12,1283	-1,016563263	ENST00000443685	N/A	N/A	N/A
A_33_P3284036	1,46265	1,48637	-1,016577356	ENST00000478313	23562	BQ056804	CLDN14
A_22_P00007564	1,44697	1,4707	-1,016584402	N/A	103344929	NR_121648	BGLT3
A_22_P00004721	1,73822	1,76197	-1,016598495	N/A	N/A	N/A	Inc-CTH-3
A_22_P00001195	1,43342	1,45717	-1,016598495	N/A	N/A	N/A	Inc-ANK2-2
A_33_P3325914	9,87731	9,90109	-1,016619635	ENST00000395114	6892	NM_172208	TAPBP
A_23_P306105	11,3694	11,3932	-1,016633728	ENST00000269195	2589	NM_020474	GALNT1
A_22_P00017509	1,38341	1,40721	-1,016633728	N/A	N/A	N/A	Inc-WBP4-1
A_23_P43946	13,8538	13,8776	-1,016633728	ENST00000336133	84324	NM_033082	SARNP
A_33_P3277288	1,75741	1,78122	-1,016640775	N/A	N/A	N/A	XLOC_I2_006584
A_22_P00011305	1,40296	1,42678	-1,016647822	N/A	N/A	N/A	Inc-OSBPL1A-3
A_21_P0012629	1,4784	1,50222	-1,016647822	ENST00000473701	N/A	N/A	N/A
A_22_P00006163	1,92966	1,95357	-1,016711246	N/A	N/A	BC044921	Inc-FAM19A3-1
A_33_P3290748	5,16201	5,18592	-1,016711246	N/A	648044	XM_003959952	LOC648044
A_22_P00011086	1,37329	1,39724	-1,016739435	ENST00000519929	101927835	NR_105064	LOC101927835
A_21_P0010291	1,35155	1,37551	-1,016746483	N/A	N/A	N/A	Inc-SIK1-3
A_23_P63158	1,41634	1,44032	-1,016760578	ENST00000368147	6708	NM_003126	SPTA1
A_33_P3629247	6,04701	6,07099	-1,016760578	ENST00000496300	51281	NM_017844	ANKMY1
A_22_P00003348	1,4801	1,50409	-1,016767626	N/A	N/A	N/A	Inc-CBLB-6
A_33_P3662553	10,7177	10,7417	-1,016774673	ENST00000490943	10971	NM_006826	YWHAQ

A_23_P59349	12,94	12,964	-1,016774673	ENST00000367658	51696	NM_016217	HECA
A_23_P210330	11,061	11,085	-1,016774673	ENST00000238875	29094	NM_014181	LGALS1
A_23_P142856	1,45193	1,47595	-1,016788769	ENST00000413999	375318	NM_198998	AQP12A
A_22_P00015773	6,78478	6,8088	-1,016788769	ENST00000436506	100996579	NR_110163	LOC100996579
A_22_P00004862	1,3524	1,37644	-1,016802865	ENST00000518779	101929528	NR_105005	LOC101929528
A_22_P00016599	1,6465	1,67057	-1,016824009	N/A	N/A	AW293258	Inc-TNPO3-2
A_23_P423197	14,3291	14,3532	-1,016845153	ENST00000356384	6256	NM_002957	RXRA
A_21_P0005396	1,3629	1,387	-1,016845153	N/A	N/A	N/A	Inc-GNAI1-1
A_23_P16762	12,8383	12,8624	-1,016845153	ENST00000410080	55660	NM_017892	PRPF40A
A_23_P133236	7,46433	7,48845	-1,01685925	ENST00000239449	56122	NM_018934	PCDHB14
A_33_P3272823	5,634	5,65817	-1,016894492	ENST00000597162	4099	NM_002361	MAG
A_22_P00004068	1,41847	1,44264	-1,016894492	ENST00000562790	N/A	N/A	N/A
A_24_P942481	8,4081	8,43229	-1,016908589	ENST00000376958	160897	NM_180989	GPR180
A_24_P18802	11,2727	11,2969	-1,016915638	ENST00000220509	57617	NM_020857	VPS18
A_33_P3393398	11,2631	11,2874	-1,016986128	N/A	N/A	N/A	N/A
A_22_P00008947	1,63968	1,66399	-1,016993177	ENST00000413271	N/A	N/A	N/A
A_21_P0003178	1,61131	1,63563	-1,017000226	N/A	N/A	N/A	Inc-KY-1
A_22_P00020034	1,5994	1,62372	-1,017000226	N/A	N/A	N/A	Inc-ANKRD32-1
A_22_P00024877	4,40337	4,42769	-1,017000226	ENST00000413944	100128317	NR_126025	LOC100128317
A_21_P0001184	1,42849	1,45282	-1,017007275	N/A	N/A	N/A	Inc-FCGR3B-3
A_22_P00013461	1,35144	1,37579	-1,017021374	N/A	N/A	N/A	Inc-RP11-322L20.1.1-4
A_22_P00017887	1,44755	1,47192	-1,017035473	ENST00000523317	N/A	AA311918	N/A
A_23_P41872	8,29547	8,31986	-1,017049573	ENST00000505433	11285	NM_007255	B4GALT7
A_22_P00000266	1,36307	1,38747	-1,017056622	ENST00000451711	N/A	XR_241413	N/A
A_23_P39304	1,36701	1,39142	-1,017063672	ENST00000270077	5678	NM_002784	PSG9
A_21_P0004071	1,45367	1,4781	-1,017077771	ENST00000513657	N/A	N/A	N/A
A_22_P00019707	1,37636	1,4008	-1,017084821	ENST00000523232	N/A	DA593750	N/A
A_23_P305033	6,33333	6,35777	-1,017084821	ENST00000378932	257397	NM_152787	TAB3
A_23_P326474	1,36569	1,39014	-1,017091871	ENST00000400105	91133	NM_173464	L3MBTL4
A_21_P0013108	3,64303	3,66748	-1,017091871	N/A	N/A	N/A	Inc-SHPRH-2
A_21_P0012786	1,67128	1,69576	-1,017113021	N/A	N/A	N/A	Inc-COL25A1-1
A_22_P00011347	1,47018	1,49467	-1,017120071	ENST00000557467	N/A	BX091546	N/A
A_23_P64990	8,52937	8,55387	-1,017127122	ENST00000488642	5893	NM_134424	RAD52

A_22_P00004766	1,61546	1,63998	-1,017141222	ENST00000427030	N/A	N/A	N/A
A_33_P3416574	12,2556	12,2802	-1,017197626	ENST00000275235	51390	NM_016108	AIG1
A_33_P3261902	10,7385	10,7631	-1,017197626	ENST00000583973	55556	NM_001126123	ENOSF1
A_33_P3289093	1,3787	1,40331	-1,017204677	N/A	N/A	N/A	N/A
A_21_P0011572	7,13607	7,16069	-1,017211727	ENST00000421108	220594	NR_003554	USP32P2
A_21_P0014556	1,36748	1,3921	-1,017211727	N/A	N/A	AW976670	Inc-ABHD12B-5
A_21_P0009403	1,47864	1,50329	-1,01723288	N/A	N/A	N/A	Inc-LGALS9B-2
A_33_P3323535	1,59167	1,6164	-1,017289289	ENST00000390453	N/A	Y16433	N/A
A_22_P00013873	1,6566	1,68135	-1,017303392	N/A	N/A	CR749680	Inc-RPP38-2
A_21_P0000817	1,51844	1,54323	-1,017331598	ENST00000566533	645355	NR_038839	MIR3976HG
A_22_P00022736	1,66798	1,69278	-1,017338649	ENST00000429444	N/A	XR_108264	N/A
A_21_P0011265	1,47807	1,50288	-1,017345701	N/A	N/A	N/A	XLOC_I2_004381
A_21_P0006216	1,44957	1,4744	-1,017359804	N/A	N/A	N/A	Inc-PAPPA-3
A_33_P3390955	1,37473	1,39957	-1,017366856	N/A	3262	NR_004422	HPVC1
A_22_P00004699	4,13296	4,15781	-1,017373908	N/A	100287098	NR_109770	LOC100287098
A_23_P57760	9,10793	9,13279	-1,01738096	ENST00000393010	92370	NM_152282	PXYLP1
A_21_P0001801	1,41158	1,43647	-1,017402116	ENST00000414876	348761	NR_033879	SPATA3-AS1
A_23_P352291	10,4366	10,4615	-1,017409168	ENST00000343255	10772	NM_054016	SRSF10
A_21_P0011447	1,4497	1,47463	-1,017430325	N/A	N/A	N/A	XLOC_I2_005298
A_33_P3402773	7,87075	7,89569	-1,017437377	N/A	N/A	N/A	N/A
A_23_P139740	1,3691	1,39405	-1,017444443	ENST00000543701	56341	NM_019854	PRMT8
A_22_P00013638	1,35161	1,37657	-1,017451482	ENST00000509715	101927359	NR_125885	LOC101927359
A_23_P66948	11,2391	11,2641	-1,017479692	ENST00000269209	64762	NM_022751	GAREM
A_33_P3287388	10,148	10,173	-1,017479692	N/A	N/A	N/A	N/A
A_21_P0001265	1,81375	1,83876	-1,017486745	N/A	N/A	N/A	Inc-C1orf196-1
A_24_P83437	5,4583	5,48333	-1,01750085	ENST00000361911	284695	NM_182975	ZNF326
A_33_P3360311	1,46721	1,49224	-1,01750085	ENST00000261195	2998	NM_021957	GYS2
A_22_P00016438	3,19939	3,22443	-1,017507903	ENST00000608606	N/A	N/A	N/A
A_33_P3304824	9,1524	9,17745	-1,017514956	ENST00000435624	145249	NR_104113	LINC00618
A_21_P0002065	4,37541	4,40048	-1,017529062	ENST00000418001	N/A	N/A	N/A
A_33_P3318439	1,54453	1,56962	-1,017543168	ENST00000382968	285498	NM_001131034	RNF212
A_23_P116614	10,018	10,0431	-1,017550221	ENST00000543262	10873	NM_001014811	ME3
A_22_P00010961	1,58343	1,60854	-1,017557274	ENST00000520391	N/A	N/A	N/A

A_21_P0002706	1,65742	1,68256	-1,017578434	ENST00000467198	N/A	N/A	N/A
A_23_P381449	9,0263	9,05145	-1,017585487	ENST00000376741	6668	NM_003110	SP2
A_22_P00007889	4,7365	4,76167	-1,017599594	N/A	100874270	NR_046780	HAO2-IT1
A_32_P182473	9,59443	9,6196	-1,017599594	ENST00000439556	90589	NM_145233	ZNF625
A_32_P219520	10,2503	10,2755	-1,017620755	ENST00000504771	25816	NM_014350	TNFAIP8
A_21_P0005348	1,43367	1,45888	-1,017627808	N/A	N/A	N/A	Inc-HEATR2-3
A_23_P334883	7,5373	7,56252	-1,017634862	ENST00000423696	22941	NM_012309	SHANK2
A_33_P3208951	1,60645	1,6317	-1,017656023	ENST00000321543	119682	NM_001004755	OR51L1
A_23_P135995	10,6396	10,6649	-1,017691293	ENST00000310256	64801	NM_022786	ARV1
A_22_P00010219	1,47647	1,50178	-1,017698347	N/A	N/A	N/A	Inc-MST1-1
A_21_P0000136	1,35335	1,3787	-1,017726564	N/A	2856	NM_001197184	GPR33
A_24_P298724	1,38106	1,40641	-1,017726564	ENST00000319968	343172	NM_001005522	OR2T8
A_22_P00024134	1,59102	1,61638	-1,017733619	N/A	N/A	N/A	Inc-SIAH1-1
A_22_P00013878	1,66261	1,68797	-1,017733619	ENST00000568110	N/A	AK130981	N/A
A_23_P140748	6,45333	6,47873	-1,017761836	ENST00000563799	65009	NM_022910	NDRG4
A_22_P00021106	1,37127	1,39667	-1,017761836	N/A	101929485	XR_251414	LOC101929485
A_33_P3371055	13,4394	13,4648	-1,017761836	ENST00000409784	5861	NM_004161	RAB1A
A_23_P391255	1,45175	1,4772	-1,01779711	ENST00000543214	171482	NM_174951	FAM9A
A_21_P0012643	1,37938	1,40488	-1,017832385	N/A	N/A	N/A	XLOC_I2_010976
A_23_P206532	12,7983	12,8238	-1,017832385	ENST00000566044	5257	NM_001031835	PHKB
A_24_P930741	1,44633	1,47185	-1,017846495	ENST00000373048	284656	NM_001099439	EPHA10
A_21_P0014206	6,48181	6,50735	-1,017860606	N/A	N/A	N/A	N/A
A_21_P0000029	5,67012	5,69567	-1,017867661	ENST00000393603	10466	NM_001161520	COG5
A_22_P00023323	1,46091	1,48646	-1,017867661	N/A	N/A	N/A	Inc-PPP2R2A-2
A_33_P3381777	1,41544	1,44103	-1,017895882	ENST00000437044	340205	NM_178174	TREML1
A_21_P0009926	12,6047	12,6303	-1,017902938	N/A	N/A	N/A	Inc-STK35-1
A_21_P0012291	5,7641	5,78972	-1,017917049	ENST00000418264	29801	NM_001185024	ZDHHC8
A_21_P0002579	1,41772	1,44335	-1,017924105	N/A	N/A	N/A	Inc-KLHL29-2
A_22_P00010517	1,7167	1,74235	-1,017938216	N/A	N/A	DB046295	Inc-NBPF9-1
A_22_P00019180	1,64368	1,66934	-1,017945272	ENST00000533516	N/A	BG432420	N/A
A_21_P0002391	1,58404	1,60971	-1,017952328	ENST00000591093	N/A	N/A	N/A
A_23_P119337	9,07846	9,10415	-1,01796644	ENST00000423777	22809	NM_012068	ATF5
A_21_P0001202	1,45063	1,47633	-1,017973496	ENST00000412174	N/A	N/A	N/A

A_22_P00004926	4,26373	4,28943	-1,017973496	N/A	340037	NR_038915	PRR7-AS1
A_21_P0013881	1,4473	1,47301	-1,017980552	ENST00000472227	N/A	N/A	N/A
A_33_P3418390	1,44465	1,47037	-1,017987608	ENST00000440711	N/A	N/A	N/A
A_21_P0005633	2,02913	2,05486	-1,017994665	N/A	N/A	N/A	Inc-BAALC-1
A_21_P0002232	1,45012	1,47586	-1,018001721	N/A	N/A	N/A	Inc-MEIS1-4
A_23_P19333	1,42266	1,44842	-1,018015833	ENST00000589695	54210	NM_018643	TREM1
A_22_P00003946	1,44191	1,4677	-1,018037003	ENST00000435357	N/A	N/A	N/A
A_21_P0001161	1,46766	1,49346	-1,018044059	ENST00000416343	100128787	N/A	LINC01349
A_23_P398712	1,45112	1,47692	-1,018044059	ENST00000407844	23040	NM_015025	MYT1L
A_22_P00013657	1,66966	1,69546	-1,018044059	ENST00000507929	N/A	DR158474	N/A
A_33_P3299119	3,81246	3,83826	-1,018044059	ENST00000538646	6927	NM_000545	HNF1A
A_22_P00014014	1,42963	1,45544	-1,018051116	N/A	101928783	N/A	LOC101928783
A_22_P00013434	1,43532	1,46113	-1,018051116	ENST00000547088	N/A	N/A	N/A
A_33_P3246838	1,35383	1,37967	-1,018072286	ENST00000390477	N/A	AY312959	N/A
A_33_P3244312	1,42736	1,45323	-1,018093456	ENST00000426402	N/A	M27337	N/A
A_33_P3422732	3,09486	3,12082	-1,01815697	N/A	100131180	AK124533	LOC100131180
A_33_P3348474	1,99817	2,02414	-1,018164027	N/A	100128840	AK058065	LOC100128840
A_33_P3267380	1,44817	1,47414	-1,018164027	ENST00000517913	6444	NM_172244	SGCD
A_24_P132518	10,6844	10,7104	-1,0181852	ENST00000342222	3551	NM_001556	IKBKB
A_33_P3301050	1,44908	1,47511	-1,018206373	ENST00000414222	10086	NM_001145095	HHLA1
A_23_P142403	4,20599	4,23202	-1,018206373	ENST00000389363	53345	NM_001001524	TM6SF2
A_21_P0003694	1,42659	1,45264	-1,018220488	N/A	N/A	N/A	Inc-ZFP42-7
A_21_P0004848	1,36131	1,38736	-1,018220488	N/A	N/A	N/A	Inc-ID4-2
A_33_P3368506	1,598	1,62406	-1,018227546	ENST00000299709	146167	NM_001080442	SLC38A8
A_23_P117157	10,6039	10,63	-1,018255777	ENST00000378654	8803	NM_003850	SUCLA2
A_22_P00018825	2,01071	2,03682	-1,018262835	N/A	N/A	BI765200	Inc-SMAD5-2
A_21_P0007070	9,40911	9,43524	-1,018276952	N/A	N/A	N/A	Inc-RPP30-2
A_33_P3781344	1,36802	1,39418	-1,018298126	N/A	339593	N/A	LOC339593
A_22_P00018498	1,47347	1,49963	-1,018298126	ENST00000555465	N/A	N/A	N/A
A_33_P3348782	10,2132	10,2394	-1,01832636	ENST00000593545	29785	AK296087	CYP2S1
A_22_P00005952	5,24506	5,27126	-1,01832636	ENST00000526041	N/A	D81231	N/A
A_22_P00011034	6,02079	6,04701	-1,018340477	ENST00000537714	N/A	N/A	N/A
A_22_P00013976	1,35588	1,38212	-1,018354594	N/A	N/A	N/A	Inc-RTN4-3

A_23_P121586	1,45213	1,4784	-1,018375771	ENST00000264345	8916	NM_014606	HERC3
A_21_P0009485	1,37489	1,40117	-1,01838283	N/A	N/A	N/A	Inc-WDR7-2
A_22_P00016560	1,59013	1,61642	-1,018389888	N/A	101927513	XR_242423	LOC101927513
A_33_P3343800	1,57762	1,60392	-1,018396947	N/A	N/A	N/A	N/A
A_21_P0002998	1,42106	1,44736	-1,018396947	N/A	N/A	N/A	Inc-EPHA6-2
A_23_P215549	10,7107	10,737	-1,018396947	ENST00000460248	5446	NM_000940	PON3
A_33_P3293519	1,44539	1,47176	-1,018446362	N/A	347745	NR_022010	PWAR4
A_21_P0010801	3,92421	3,95058	-1,018446362	N/A	N/A	N/A	XLOC_I2_001421
A_23_P342641	8,80624	8,83261	-1,018446362	ENST00000370859	204962	NM_152697	SLC44A5
A_33_P3241056	1,36603	1,39242	-1,01846048	ENST00000616258	154872	NM_001024603	LOC154872
A_33_P3398401	10,871	10,8974	-1,01846754	ENST00000488263	51185	NM_016302	CRBN
A_21_P0010342	3,68135	3,70777	-1,018481659	N/A	N/A	N/A	Inc-AC007663.1-1
A_22_P00010350	5,99342	6,01985	-1,018488718	N/A	104355296	NR_126412	SCEL-AS1
A_33_P3298775	2,21762	2,24405	-1,018488718	ENST00000613411	400668	NM_214710	PRSS57
A_22_P00014387	1,63052	1,65699	-1,018516957	ENST00000420395	N/A	N/A	N/A
A_23_P121956	10,3953	10,4218	-1,018538137	ENST00000521655	54974	NM_017872	THG1L
A_33_P3270262	1,38498	1,41148	-1,018538137	ENST00000407030	N/A	N/A	N/A
A_23_P118300	9,62179	9,64838	-1,018601679	ENST00000427358	81889	NM_031208	FAHD1
A_33_P3389634	14,1273	14,1539	-1,018608739	ENST00000409724	822	NM_001747	CAPG
A_22_P00008071	15,0422	15,0688	-1,018608739	ENST00000526377	N/A	BI766433	N/A
A_21_P0013781	6,38896	6,41561	-1,018644042	N/A	N/A	N/A	XLOC_I2_015578
A_22_P00015348	6,60432	6,63101	-1,018672285	N/A	283335	NR_033854	LOC283335
A_32_P74712	10,7835	10,8102	-1,018679346	ENST00000296257	59343	NM_021627	SENP2
A_33_P3409302	5,97285	5,99957	-1,018693468	ENST00000370483	1355	NM_078470	COX15
A_23_P97112	1,58609	1,61282	-1,018700529	ENST00000333360	6401	NM_000450	SELE
A_22_P00006794	1,46863	1,49537	-1,01870759	N/A	N/A	AA432032	Inc-G3BP1-1
A_23_P396934	1,47081	1,49759	-1,018735835	ENST00000309447	57495	NM_001144990	NWD2
A_23_P64525	1,54423	1,57101	-1,018735835	ENST00000618712	5897	NM_000536	RAG2
A_23_P136325	8,30585	8,33264	-1,018742897	ENST00000494757	147179	NM_133264	WIPF2
A_23_P76961	17,9839	18,0107	-1,018749958	ENST00000557367	6235	NM_001032	RPS29
A_23_P324718	5,86845	5,89525	-1,018749958	ENST00000382499	8867	NM_203446	SYNJ1
A_23_P29836	13,2745	13,3013	-1,018749958	ENST00000477126	131616	BC019851	TMEM42
A_33_P3322544	1,35986	1,38667	-1,01875702	N/A	100288254	AK097772	FLJ40453

A_24_P498854	1,35274	1,37957	-1,018771143	ENST00000425879	284998	NR_038231	LINC01114
A_24_P391568	6,91144	6,93828	-1,018778204	ENST00000471844	405	NM_001668	ARNT
A_33_P3252539	1,35222	1,37909	-1,018799389	ENST00000398455	613227	NM_001109619	HIGD1C
A_24_P336474	1,46772	1,49464	-1,018834699	ENST00000302101	4807	NM_005598	NHLH1
A_22_P00012713	1,44032	1,46725	-1,018841761	ENST00000522898	N/A	DB044366	N/A
A_21_P0005352	3,42556	3,45251	-1,018855885	N/A	N/A	N/A	lnc-CHST12-1
A_21_P0008693	1,44839	1,47535	-1,018862947	N/A	N/A	N/A	lnc-SYNM-1
A_33_P3288919	1,36856	1,39552	-1,018862947	N/A	N/A	N/A	N/A
A_21_P0004097	3,02035	3,04732	-1,01887001	ENST00000514869	101929261	XR_241733	LOC101929261
A_33_P3343981	8,63935	8,66633	-1,018877072	ENST00000572798	9625	N/A	AATK
A_33_P3883116	1,57644	1,60342	-1,018877072	N/A	253962	NR_038439	CACNA1G-AS1
A_21_P0005758	1,66775	1,69475	-1,018891197	N/A	N/A	N/A	lnc-RP11-785H20.1.1-1
A_21_P0000202	13,0448	13,0718	-1,018891197	ENST00000337755	11282	NM_054013	MGAT4B
A_33_P3236218	3,77051	3,79751	-1,018891197	ENST00000512227	N/A	N/A	N/A
A_22_P00012731	1,44827	1,47527	-1,018891197	N/A	N/A	N/A	lnc-RAB6C-3
A_24_P253827	10,129	10,156	-1,018891197	ENST00000621914	163	NM_001030006	AP2B1
A_22_P00018599	1,65089	1,6779	-1,018898259	N/A	N/A	BQ223407	lnc-FGFR10P2-2
A_21_P0011568	1,65494	1,68195	-1,018898259	N/A	N/A	N/A	lnc-LGALS9B-2
A_23_P123393	5,94865	5,97571	-1,018933572	ENST00000519589	3786	NM_004519	KCNQ3
A_22_P00013654	1,73255	1,75962	-1,018940635	ENST00000561598	N/A	BC034640	N/A
A_21_P0006131	1,35673	1,38384	-1,018968886	ENST00000602614	N/A	N/A	N/A
A_24_P46725	8,47925	8,50637	-1,018975949	ENST00000342415	154007	NM_152551	SNRNP48
A_33_P3322274	3,07773	3,10486	-1,018983012	ENST00000489921	7133	NM_001066	TNFRSF1B
A_22_P00011520	8,06656	8,0937	-1,018990075	N/A	N/A	N/A	lnc-PAXIP1-1
A_21_P0014846	1,49026	1,51741	-1,018997138	N/A	100288831	NR_103443	SRGAP3-AS3
A_22_P00001016	1,46014	1,48731	-1,019011265	ENST00000616785	N/A	N/A	N/A
A_33_P3248903	6,9329	6,96007	-1,019011265	ENST00000339464	7477	NM_058238	WNT7B
A_24_P282309	11,1919	11,2191	-1,019032455	ENST00000371489	26509	NM_133337	MYOF
A_23_P88222	1,44657	1,47379	-1,019046582	ENST00000392593	122618	NM_138790	PLD4
A_21_P0008498	2,80527	2,83251	-1,019060709	N/A	N/A	N/A	lnc-TMEM179-2
A_33_P3394554	1,37237	1,39963	-1,019074836	ENST00000618988	101929983	NM_001300891	LOC101929983
A_21_P0003969	1,44268	1,46995	-1,0190819	ENST00000508097	N/A	N/A	N/A
A_22_P00000696	1,40138	1,42866	-1,019088963	N/A	N/A	N/A	lnc-ADAM22-2



A_21_P0002234	1,58203	1,60932	-1,019096027	N/A	N/A	N/A	Inc-ETAA1-6
A_24_P118231	10,5627	10,59	-1,019103091	ENST00000554951	27109	NM_001003803	ATP5S
A_22_P00010754	5,65736	5,68468	-1,019117219	ENST00000569835	N/A	AK172857	N/A
A_21_P0010404	1,55576	1,58311	-1,019138411	N/A	N/A	N/A	Inc-CRYBA4-1
A_22_P00024726	1,44493	1,47228	-1,019138411	N/A	N/A	N/A	Inc-XRCC3-1
A_21_P0004865	1,36126	1,38863	-1,01915254	N/A	N/A	N/A	Inc-ABT1-4
A_33_P3347152	3,64235	3,66974	-1,019166668	ENST00000371458	8464	N/A	SUPT3H
A_33_P3211478	1,59766	1,62505	-1,019166668	N/A	N/A	N/A	N/A
A_23_P112113	11,6651	11,6925	-1,019173732	ENST00000318410	9897	NM_014846	KIAA0196
A_23_P82990	1,44527	1,47268	-1,019180797	ENST00000262551	4969	NM_033014	OGN
A_21_P0001072	1,37551	1,40293	-1,019187861	N/A	N/A	N/A	Inc-C1orf124-1
A_21_P0006848	1,41435	1,4418	-1,019209055	N/A	N/A	N/A	Inc-LYZL1-5
A_19_P00319793	1,57526	1,60274	-1,019230249	ENST00000319701	100287948	NR_046249	GM140
A_21_P0007349	1,59302	1,62055	-1,019265573	N/A	N/A	N/A	Inc-CHST1-1
A_22_P00001464	1,46021	1,48775	-1,019272638	ENST00000584560	N/A	N/A	N/A
A_23_P382000	1,40339	1,43098	-1,019307964	ENST00000242375	6718	NM_005989	AKR1D1
A_33_P3357087	12,6831	12,7107	-1,01931503	ENST00000380044	4358	NM_002437	MPV17
A_33_P3246163	17,5911	17,6187	-1,01931503	ENST00000425640	6125	NM_000969	RPL5
A_22_P00015491	1,57543	1,60303	-1,01931503	ENST00000507117	100144602	NR_034138	EPHA5-AS1
A_21_P0010378	1,35758	1,38524	-1,019357423	ENST00000426354	N/A	N/A	N/A
A_21_P0013356	1,58467	1,61237	-1,019385686	N/A	N/A	N/A	XLOC_I2_014051
A_24_P340128	1,35261	1,38032	-1,019392752	ENST00000381297	286530	NM_178129	P2RY8
A_24_P190873	1,462	1,48973	-1,019406883	ENST00000341785	148753	NM_173509	FAM163A
A_22_P00023038	10,8305	10,8583	-1,019456347	ENST00000553051	3714	NM_145159	JAG2
A_24_P108311	11,7807	11,8085	-1,019456347	ENST00000456173	23327	NM_015277	NEDD4L
A_22_P00008420	1,46102	1,48882	-1,019456347	ENST00000422198	N/A	BX112290	N/A
A_33_P3232204	5,55201	5,57982	-1,019463413	N/A	N/A	AF289611	N/A
A_21_P0001845	1,57827	1,60609	-1,019470479	ENST00000433429	102723362	N/A	LOC102723362
A_24_P149689	1,42368	1,45151	-1,019477546	ENST00000374806	5535	NM_147180	PPP3R2
A_22_P00020671	1,46843	1,49627	-1,019484612	ENST00000472243	N/A	N/A	N/A
A_21_P0009897	1,66656	1,69441	-1,019491679	ENST00000416563	N/A	N/A	N/A
A_22_P00008307	2,56393	2,59179	-1,019498745	N/A	N/A	AK127406	Inc-ITGB2-1
A_21_P0003893	1,40387	1,43178	-1,019534079	N/A	N/A	N/A	Inc-C4orf34-1

A_19_P00317532	1,75962	1,78753	-1,019534079	N/A	N/A	N/A	Inc-ARF5-2
A_22_P00008801	1,66403	1,69196	-1,019548213	ENST00000514413	N/A	N/A	N/A
A_23_P115190	3,55881	3,58674	-1,019548213	ENST00000369512	4803	NM_002506	NGF
A_23_P55448	1,44612	1,47406	-1,01955528	ENST00000251643	3859	NM_000223	KRT12
A_21_P0002558	3,89975	3,92773	-1,019583548	N/A	N/A	N/A	Inc-DTYMK-2
A_21_P0011590	1,35306	1,38104	-1,019583548	ENST00000453355	201181	N/A	ZNF385C
A_23_P69877	11,7947	11,8227	-1,019597683	ENST00000512132	643836	NM_152283	ZFP62
A_33_P3364060	9,08536	9,11342	-1,019640088	ENST00000522016	55806	NM_005144	HR
A_33_P3323607	6,00196	6,03003	-1,019647155	ENST00000409717	223075	N/A	CCDC129
A_21_P0010743	6,36995	6,39802	-1,019647155	ENST00000412855	N/A	N/A	N/A
A_33_P3216557	1,60155	1,62962	-1,019647155	N/A	N/A	N/A	N/A
A_21_P0003063	1,39349	1,42158	-1,019661291	N/A	N/A	N/A	Inc-NLGN1-1
A_22_P00002707	8,03576	8,06386	-1,019668359	N/A	N/A	N/A	Inc-C20orf196-1
A_23_P124742	12,7708	12,7989	-1,019668359	ENST00000265689	1119	NM_001277	CHKA
A_23_P46182	18,5688	18,5969	-1,019668359	ENST00000474582	6202	NM_001012	RPS8
A_22_P00005721	1,43731	1,46542	-1,019675426	ENST00000458146	N/A	N/A	N/A
A_33_P3340525	1,37852	1,40663	-1,019675426	ENST00000228567	341359	NM_198992	SYT10
A_21_P0011259	3,58509	3,61324	-1,019703698	ENST00000560510	N/A	N/A	N/A
A_33_P3327208	4,63572	4,66388	-1,019710766	ENST00000453500	N/A	N/A	N/A
A_22_P00016369	1,36537	1,39353	-1,019710766	N/A	N/A	N/A	Inc-TMEM18-14
A_23_P211493	4,77665	4,80484	-1,019731971	ENST00000406725	164656	NM_153609	TMPRSS6
A_23_P159833	15,5001	15,5283	-1,019739039	ENST00000371437	4694	NM_004541	NDUFA1
A_22_P00009572	1,66044	1,68865	-1,019746107	N/A	283214	NR_046090	LOC283214
A_33_P3268161	1,60582	1,63404	-1,019753176	N/A	N/A	N/A	N/A
A_33_P3384442	16,7201	16,7484	-1,019809724	ENST00000370677	3911	BC015386	LAMA5
A_21_P0008684	1,35631	1,38464	-1,019830931	ENST00000554837	145820	NR_027133	LINC00924
A_21_P0009987	1,64073	1,66909	-1,019852138	N/A	N/A	N/A	Inc-CDH4-2
A_21_P0008897	1,46481	1,49318	-1,019859207	ENST00000564041	283867	N/A	LINC00922
A_21_P0008105	1,37095	1,39932	-1,019859207	N/A	N/A	N/A	Inc-GPC6-1
A_22_P00023357	1,65894	1,68732	-1,019866276	N/A	N/A	N/A	Inc-LOXHD1-1
A_21_P0007590	1,37218	1,40062	-1,019908692	ENST00000550042	N/A	XM_006719676	N/A
A_21_P0012727	1,39483	1,42328	-1,019915762	ENST00000509559	N/A	N/A	N/A
A_22_P00024528	1,6104	1,63888	-1,01993697	N/A	N/A	DB251918	Inc-ESCO2-1

A_22_P00004253	1,66541	1,69389	-1,01993697	ENST00000425763	N/A	N/A	N/A
A_21_P0008036	1,58426	1,61274	-1,01993697	N/A	N/A	N/A	Inc-TNFRSF19-5
A_22_P00010398	3,61798	3,64649	-1,01995818	ENST00000455487	N/A	N/A	N/A
A_21_P0011658	1,35444	1,38297	-1,019972319	ENST00000507941	N/A	N/A	N/A
A_22_P00022143	2,55822	2,58676	-1,019979389	ENST00000447864	N/A	N/A	N/A
A_33_P3342300	2,51083	2,53937	-1,019979389	ENST00000409285	30813	NM_001256272	VSX1
A_22_P00005310	1,44439	1,47295	-1,019993529	N/A	N/A	N/A	Inc-DNAJC25-1
A_22_P00000416	1,39937	1,42794	-1,020000599	N/A	N/A	N/A	Inc-AC069257.9.1-1
A_21_P0006904	1,57741	1,60598	-1,020000599	N/A	N/A	N/A	Inc-SORCS3-3
A_33_P3338047	1,44293	1,47153	-1,02002181	ENST00000491019	375775	NM_001098537	PNPLA7
A_22_P00023236	1,59687	1,62547	-1,02002181	N/A	N/A	AK026512	Inc-RAB9B-1
A_21_P0007478	2,39562	2,42423	-1,02002888	ENST00000551922	283332	NR_026948	LOC283332
A_22_P00016748	1,4413	1,46991	-1,02002888	ENST00000569860	N/A	BC039108	N/A
A_23_P49539	8,00715	8,03576	-1,02002888	ENST00000307745	57597	NM_001291324	BAHCC1
A_22_P00013520	2,72896	2,7576	-1,020050091	ENST00000503106	101928858	N/A	LOC101928858
A_33_P3233000	7,26042	7,28911	-1,020085444	N/A	N/A	N/A	N/A
A_23_P55064	6,37166	6,40035	-1,020085444	ENST00000498311	55135	NM_018081	WRAP53
A_22_P00000688	1,44068	1,46941	-1,020113727	N/A	N/A	N/A	Inc-ADAM2-1
A_21_P0009720	2,5634	2,59215	-1,020127869	N/A	N/A	N/A	Inc-AC092295.7.1-1
A_23_P108265	4,73319	4,76195	-1,02013494	ENST00000248072	26658	NM_012377	OR7C2
A_33_P3418511	1,44529	1,47408	-1,020156154	ENST00000569990	283902	NR_027756	HCCAT5
A_21_P0013545	2,57615	2,60495	-1,020163225	ENST00000614900	N/A	N/A	N/A
A_23_P80008	5,14237	5,17117	-1,020163225	ENST00000375994	85366	NM_033118	MYLK2
A_33_P3249160	1,64508	1,67392	-1,02019151	ENST00000358047	442444	NM_001013736	FAM47C
A_33_P3236902	7,09876	7,1276	-1,02019151	ENST00000483366	4584	NM_005960	MUC3A
A_22_P00004472	1,434	1,46285	-1,020198582	ENST00000568585	N/A	BC032898	N/A
A_21_P0000554	1,35294	1,3818	-1,020205653	ENST00000477496	8997	NR_028136	KALRN
A_22_P00010189	6,60564	6,63451	-1,020212725	N/A	101926937	XR_244896	LOC101926937
A_24_P109838	1,61471	1,6436	-1,020226868	ENST00000551818	55117	NM_182767	SLC6A15
A_22_P00006783	5,13217	5,16108	-1,020241011	ENST00000420213	N/A	N/A	N/A
A_21_P0009294	2,15306	2,18202	-1,020276371	N/A	N/A	N/A	Inc-TP53-1
A_22_P00014389	1,45498	1,48396	-1,020290515	ENST00000457632	N/A	N/A	N/A
A_22_P00013221	1,3785	1,40748	-1,020290515	ENST00000552718	N/A	N/A	N/A

A_33_P3210637	1,35342	1,38241	-1,020297587	ENST00000314634	219428	NM_001004701	OR4C16
A_22_P00021473	1,49541	1,52441	-1,020304659	N/A	N/A	BX107056	Inc-CRAMP1L-1
A_23_P120335	12,5644	12,5934	-1,020304659	ENST00000420864	10651	NM_006554	MTX2
A_21_P0009082	1,46828	1,49733	-1,020340021	N/A	N/A	N/A	Inc-AC092327.1-3
A_24_P238420	1,69152	1,72057	-1,020340021	ENST00000392023	57731	NM_025213	SPTBN4
A_21_P0008634	1,38894	1,41801	-1,020354166	N/A	N/A	N/A	Inc-UNC13C-2
A_21_P0007355	1,65075	1,67992	-1,020424894	N/A	N/A	N/A	Inc-SLC15A3-3
A_24_P109101	1,63783	1,66702	-1,02043904	ENST00000396188	339967	NM_182606	TMPRSS11A
A_23_P15864	13,3337	13,3629	-1,020446113	ENST00000256429	8932	NM_003927	MBD2
A_21_P0011979	3,39839	3,42761	-1,02046026	N/A	N/A	N/A	XLOC_I2_008352
A_22_P00003745	1,45905	1,48828	-1,020467333	N/A	101929645	NR_109948	LOC101929645
A_33_P3297630	1,36778	1,39701	-1,020467333	ENST00000596647	729966	NR_036575	LOC729966
A_22_P00013400	8,78901	8,81826	-1,02048148	ENST00000584273	N/A	N/A	N/A
A_22_P00013469	1,4559	1,48517	-1,020495627	N/A	N/A	N/A	Inc-RP11-324D17.1.1-4
A_22_P00008323	1,36917	1,39845	-1,0205027	N/A	N/A	N/A	Inc-ITGBL1-1
A_23_P157352	12,8854	12,9147	-1,020516848	ENST00000469351	51650	NM_016071	MRPS33
A_33_P3372635	1,35649	1,3858	-1,020523921	ENST00000451783	286828	NR_003720	CSN1S2AP
A_33_P3216322	1,46483	1,49414	-1,020523921	ENST00000518244	57715	XR_428710	SEMA4G
A_22_P00024663	1,35975	1,3891	-1,020552217	N/A	N/A	DA382327	Inc-NPIPL2-2
A_21_P0001113	1,36657	1,39593	-1,020559291	ENST00000417651	101928460	N/A	LOC101928460
A_21_P0005724	1,65316	1,68254	-1,020573439	N/A	N/A	N/A	Inc-CRISPLD1-1
A_33_P3276381	1,46363	1,49304	-1,020594661	ENST00000480235	N/A	N/A	N/A
A_33_P3337485	1,63243	1,66189	-1,020630033	ENST00000311330	57124	NM_020404	CD248
A_21_P0009654	1,59789	1,62735	-1,020630033	ENST00000593980	93429	N/A	DKFZp434J0226
A_21_P0012027	1,58776	1,61722	-1,020630033	ENST00000451027	401014	N/A	TEX41
A_22_P00011739	1,61034	1,63981	-1,020637107	ENST00000523166	N/A	N/A	N/A
A_33_P3331613	1,35418	1,38366	-1,020644182	ENST00000406011	N/A	N/A	N/A
A_21_P0003046	1,98283	2,01233	-1,020658331	N/A	N/A	N/A	Inc-P2RY1-3
A_21_P0001017	1,89418	1,92369	-1,020665406	N/A	N/A	N/A	Inc-PPIAL4C-6
A_21_P0007110	6,40063	6,43015	-1,020672481	N/A	N/A	N/A	Inc-WAPAL-1
A_21_P0008974	1,35362	1,38315	-1,020679555	ENST00000569938	N/A	N/A	N/A
A_23_P25945	7,35571	7,38526	-1,020693705	ENST00000556560	57143	NM_020421	ADCK1
A_33_P3315268	6,3236	6,35318	-1,02071493	ENST00000304620	196374	NM_173352	KRT78

A_23_P430948	1,61491	1,6445	-1,020722005	ENST00000342695	84239	NM_032279	ATP13A4
A_21_P0009038	2,07509	2,10468	-1,020722005	N/A	N/A	N/A	Inc-CES1-2
A_22_P00022058	1,62326	1,65285	-1,020722005	ENST00000505628	N/A	N/A	N/A
A_23_P377376	10,6195	10,6491	-1,02072908	ENST00000377982	10097	NM_001005386	ACTR2
A_21_P0010590	4,66847	4,69807	-1,02072908	N/A	441124	XR_247074	LOC441124
A_21_P0000533	1,37159	1,40123	-1,020757381	N/A	149047	NR_027310	MGC27382
A_21_P0012963	1,43676	1,46641	-1,020764457	ENST00000515513	101928176	NR_125806	LINC01411
A_22_P00020637	1,43899	1,46868	-1,020792759	ENST00000513197	N/A	N/A	N/A
A_33_P3232688	4,22649	4,25619	-1,020799834	ENST00000381524	N/A	N/A	N/A
A_21_P0000809	6,37915	6,40886	-1,02080691	N/A	100505681	NR_038452	NAPA-AS1
A_33_P3308292	1,60574	1,63546	-1,020813986	ENST00000374144	118461	NM_001135196	C10orf71
A_24_P50950	6,05338	6,08313	-1,020835213	ENST00000492980	N/A	AK095289	N/A
A_24_P126139	1,43866	1,46842	-1,020842289	ENST00000243298	51209	NM_016370	RAB9B
A_21_P0002911	1,46192	1,49177	-1,020905974	ENST00000460993	102724604	N/A	LOC102724604
A_21_P0006682	1,40856	1,43842	-1,020913051	N/A	N/A	N/A	Inc-C10orf35-2
A_23_P354217	5,37168	5,40156	-1,020927204	ENST00000327259	256472	NM_153266	TMEM151A
A_24_P24142	15,2982	15,3281	-1,020941357	ENST00000433054	N/A	N/A	N/A
A_33_P3280811	6,1461	6,176	-1,020941357	ENST00000488285	158248	NM_144965	TTC16
A_33_P3209869	9,09747	9,1274	-1,020962587	ENST00000528107	55346	NM_018393	TCP11L1
A_21_P0012504	1,58717	1,61712	-1,020976741	ENST00000481334	N/A	N/A	N/A
A_21_P0011072	1,36942	1,39937	-1,020976741	ENST00000537374	N/A	AY070435	N/A
A_22_P00021578	6,00074	6,03071	-1,020990895	ENST00000532620	254187	NM_152762	TSGA10IP
A_33_P3372501	6,95345	6,98347	-1,02102628	ENST00000555391	23368	NM_015316	PPP1R13B
A_21_P0007761	9,62241	9,65243	-1,02102628	ENST00000609228	51275	NR_015404	MAPKAPK5-AS1
A_23_P208302	1,58296	1,61299	-1,021033357	ENST00000252490	344	NM_000483	APOC2
A_22_P00002699	4,07593	4,10597	-1,021040435	N/A	N/A	N/A	Inc-C20orf118-1
A_33_P3304486	1,60075	1,63082	-1,021061667	ENST00000624397	N/A	XR_171256	N/A
A_21_P0007864	1,57884	1,60892	-1,021068744	ENST00000541258	101927694	NR_104648	LOC101927694
A_33_P3265394	5,15062	5,18073	-1,021089977	ENST00000538098	54663	XM_005274055	WDR74
A_21_P0014654	1,4418	1,47191	-1,021089977	N/A	N/A	N/A	N/A
A_21_P0001773	7,64028	7,6704	-1,021097055	ENST00000468141	100134259	NR_024452	LINC01119
A_21_P0004482	1,39208	1,42221	-1,021104132	N/A	N/A	N/A	Inc-C5orf38-1
A_21_P0008783	1,63984	1,66997	-1,021104132	N/A	N/A	N/A	Inc-FAM174B-1

A_33_P3401990	6,53605	6,56619	-1,02111121	ENST00000248948	29802	NM_013378	VPREB3
A_22_P00015209	1,59714	1,62728	-1,02111121	ENST00000538297	N/A	BC039484	N/A
A_21_P0007403	1,46224	1,49239	-1,021118288	ENST00000499809	283143	NR_034148	LINC00900
A_33_P3421209	1,57774	1,60791	-1,021132444	ENST00000463398	56776	NM_020066	FMN2
A_22_P00010103	6,03517	6,06536	-1,0211466	ENST00000413311	N/A	N/A	N/A
A_22_P00003191	4,70113	4,73133	-1,021153678	ENST00000560465	N/A	BU594852	N/A
A_33_P3332955	1,57188	1,60208	-1,021153678	ENST00000348658	51266	NM_016509	CLEC1B
A_21_P0010122	1,60139	1,63159	-1,021153678	N/A	N/A	N/A	Inc-ZFP64-1
A_24_P544882	10,0322	10,0624	-1,021153678	ENST00000244763	6745	NM_003144	SSR1
A_33_P3227761	1,35475	1,38501	-1,021196147	N/A	N/A	N/A	Inc-CSN2-1
A_23_P15493	12,7764	12,8067	-1,021224461	ENST00000393038	51651	NM_016077	PTRH2
A_24_P82880	11,8273	11,8576	-1,021224461	ENST00000586193	7171	NM_003290	TPM4
A_23_P16694	2,01122	2,04154	-1,021238619	N/A	29034	NR_002763	CPS1-IT1
A_21_P0005209	3,21346	3,24382	-1,021266934	ENST00000436915	N/A	N/A	N/A
A_33_P3243163	1,61977	1,65016	-1,021288171	ENST00000440671	N/A	N/A	N/A
A_23_P140648	12,4053	12,4357	-1,02129525	ENST00000610365	23191	NM_014608	CYFIP1
A_22_P00021400	1,59643	1,62684	-1,021302329	N/A	N/A	N/A	Inc-MAFK-2
A_23_P161659	4,66038	4,6908	-1,021309408	ENST0000020926	57586	NM_020826	SYT13
A_33_P3242883	1,64957	1,68002	-1,021330646	ENST00000518156	1750	NM_005222	DLX6
A_21_P0013252	1,60821	1,63866	-1,021330646	ENST00000447776	N/A	N/A	N/A
A_23_P87678	1,38969	1,42015	-1,021337725	ENST00000551767	1833	NM_004950	EPYC
A_22_P00009056	1,992	2,02248	-1,021351884	N/A	N/A	AL833114	Inc-LEMD3-1
A_23_P212854	1,44236	1,47285	-1,021358963	ENST00000504951	2994	XM_005262969	GYPB
A_33_P3217283	1,44273	1,47322	-1,021358963	N/A	101927250	XR_243443	LOC101927250
A_33_P7717154	5,28113	5,31163	-1,021366043	N/A	N/A	BC034573	Inc-RNF39-4
A_33_P3316045	14,5709	14,6014	-1,021366043	ENST00000404767	26173	NM_001080453	INTS1
A_21_P0005918	1,73354	1,76405	-1,021373122	N/A	N/A	N/A	Inc-PLEC-1
A_33_P3397801	8,86948	8,89999	-1,021373122	ENST00000589754	642484	N/A	FLJ45743
A_21_P0003155	4,61619	4,64672	-1,021387282	ENST00000464359	151658	NR_015414	LINC00635
A_21_P0006835	3,19972	3,23026	-1,021394362	N/A	N/A	N/A	Inc-GATA3-3
A_21_P0001907	1,4614	1,49194	-1,021394362	ENST00000439382	N/A	N/A	N/A
A_33_P3300022	1,63836	1,6689	-1,021394362	N/A	N/A	N/A	N/A
A_21_P0010765	1,62343	1,65402	-1,021429761	ENST00000417385	N/A	N/A	N/A

A_21_P0003068	1,45859	1,48921	-1,021451001	N/A	N/A	N/A	Inc-RP11-433C9.2.1-1
A_22_P00003879	4,65211	4,68275	-1,021465162	N/A	N/A	AA454075	Inc-CENPM-1
A_23_P75749	1,3569	1,38755	-1,021472242	ENST00000529732	10249	NM_201648	GLYAT
A_22_P00023365	1,5881	1,61876	-1,021479322	ENST00000547795	N/A	AA442586	N/A
A_33_P3235856	6,12192	6,15259	-1,021486403	ENST00000396204	6096	NM_006914	RORB
A_33_P3317253	8,22357	8,25424	-1,021486403	ENST00000378000	9317	NM_001001484	PTER
A_22_P00004184	1,47717	1,50786	-1,021500564	N/A	N/A	N/A	Inc-CLIP1-1
A_33_P3287922	12,7501	12,7808	-1,021507644	ENST00000449821	9675	XR_244159	TTI1
A_33_P3356216	9,26256	9,29327	-1,021514725	ENST00000392859	372	NM_001655	ARCN1
A_22_P00011918	1,38453	1,41527	-1,021535967	ENST00000578763	100289255	NR_036581	LINC00675
A_33_P3421480	1,40252	1,43331	-1,021571371	N/A	100133145	AK124561	LOC100133145
A_23_P80827	11,2678	11,2986	-1,021578452	ENST00000241502	84248	NM_001011537	FYTTD1
A_19_P00319154	1,58697	1,61781	-1,021606777	N/A	100126447	XR_109781	LOC100126447
A_23_P209337	8,39768	8,42852	-1,021606777	ENST00000426075	151194	NM_145280	METTL21A
A_21_P0006882	4,36519	4,39605	-1,021620939	N/A	N/A	N/A	Inc-C10orf11-1
A_23_P501538	10,9766	11,0075	-1,021649265	ENST00000317201	3200	NM_153631	HOXA3
A_24_P810697	7,51965	7,55056	-1,021656346	ENST00000375036	439921	NM_001008529	MXRA7
A_23_P84047	1,61066	1,64158	-1,021663428	ENST00000312600	140886	NM_080832	PABPC5
A_22_P00021593	4,24264	4,27359	-1,021684673	N/A	N/A	BX089237	Inc-C12orf66-3
A_23_P127684	4,19828	4,22924	-1,021691755	ENST00000278409	338674	NM_003697	OR5F1
A_22_P00009132	3,30846	3,33944	-1,021705919	ENST00000577000	284185	N/A	LINC00482
A_22_P00016331	1,57434	1,60533	-1,021713001	N/A	N/A	N/A	Inc-TMEM156-1
A_23_P157449	10,4199	10,4509	-1,021720083	ENST00000353107	5440	NM_005034	POLR2K
A_22_P00012072	5,90701	5,93803	-1,021734247	N/A	N/A	N/A	Inc-PMEL-1
A_21_P0001420	1,37778	1,40881	-1,021741329	N/A	N/A	N/A	Inc-RRP15-1
A_21_P0004802	1,44114	1,47219	-1,021755493	N/A	N/A	N/A	Inc-PDE10A-1
A_33_P3287379	8,11486	8,14592	-1,021762576	ENST00000306875	84342	NM_032382	COG8
A_33_P3291176	6,24117	6,27224	-1,021769658	ENST00000339485	400673	NM_001017921	VMAC
A_21_P0001665	8,02403	8,05515	-1,021805071	N/A	N/A	N/A	Inc-APITD1-1
A_21_P0003065	1,39229	1,42341	-1,021805071	N/A	N/A	N/A	Inc-TTC14-2
A_21_P0006319	1,57648	1,60762	-1,021819236	N/A	N/A	N/A	Inc-DENND1A-2
A_22_P00004194	1,45765	1,4888	-1,021826319	ENST00000550035	N/A	BG496636	N/A
A_21_P0008898	1,35905	1,39023	-1,021847567	ENST00000563931	N/A	N/A	N/A

A_21_P0009498	1,45485	1,48606	-1,021868816	N/A	N/A	N/A	Inc-SOCS6-5
A_21_P0008381	1,43477	1,46598	-1,021868816	ENST00000553378	N/A	N/A	N/A
A_33_P3277318	1,44901	1,48024	-1,021882982	ENST00000554451	N/A	N/A	N/A
A_22_P00005296	4,47604	4,50728	-1,021890065	N/A	N/A	N/A	Inc-DNAJB2-1
A_21_P0007434	1,45014	1,48138	-1,021890065	ENST00000528119	N/A	N/A	N/A
A_21_P0007747	4,14688	4,17813	-1,021897149	ENST00000549004	643770	NR_038383	LOC643770
A_23_P200138	1,63118	1,66245	-1,021911315	ENST00000289707	56833	NM_020125	SLAMF8
A_33_P3392787	2,00777	2,03905	-1,021918399	ENST00000369703	159686	NM_001008723	CFAP58
A_33_P3326553	9,24623	9,27752	-1,021925482	ENST00000375782	388595	N/A	TMEM82
A_32_P8251	13,7301	13,7614	-1,021932566	ENST00000534320	57661	NM_020901	PHRF1
A_21_P0000114	1,45564	1,48694	-1,021932566	ENST00000520772	8749	NM_001190956	ADAM18
A_32_P58699	1,35453	1,38583	-1,021932566	ENST00000378805	220416	NM_001282460	LRRC63
A_22_P00006298	1,3649	1,39622	-1,021946733	ENST00000420828	N/A	N/A	N/A
A_23_P83683	2,49839	2,52974	-1,021967984	ENST00000232603	27136	NM_014429	MORC1
A_33_P3236272	4,19321	4,22457	-1,021975067	ENST00000286122	54971	NM_001173539	BANP
A_32_P207180	10,4451	10,4765	-1,022003403	ENST00000573569	339231	NM_001040025	ARL16
A_24_P159094	10,6331	10,6645	-1,022003403	ENST00000619583	55148	NM_175748	UBR7
A_33_P3241325	5,15089	5,18233	-1,022031739	N/A	92659	NR_015454	MAFG-AS1
A_22_P00005899	1,3554	1,38685	-1,022038823	ENST00000531784	N/A	N/A	N/A
A_33_P3409124	7,49795	7,5294	-1,022038823	ENST00000312521	9975	NM_005126	NR1D2
A_22_P00022821	1,38765	1,41911	-1,022045908	N/A	N/A	DA320973	Inc-DIO2-5
A_21_P0008697	1,65016	1,68166	-1,022074245	N/A	N/A	N/A	Inc-ASB7-4
A_21_P0009488	1,55585	1,58736	-1,02208133	N/A	N/A	N/A	Inc-MALT1-1
A_22_P00008901	1,45991	1,49143	-1,022088414	ENST00000433637	101927314	NR_110757	LOC101927314
A_33_P3283147	1,57765	1,60919	-1,022102584	ENST00000528616	219487	NM_001005245	OR5M11
A_33_P3310976	8,4275	8,45907	-1,022123838	N/A	N/A	N/A	Inc-CDH4-1
A_33_P3508342	1,63475	1,66632	-1,022123838	ENST00000276737	51059	NM_015912	FAM135B
A_21_P0012934	1,62382	1,65539	-1,022123838	N/A	N/A	N/A	XLOC_I2_012323
A_22_P00016756	2,6806	2,71218	-1,022130923	ENST00000453558	414778	NR_052012	HCG17
A_33_P3359846	4,13795	4,16954	-1,022138008	N/A	N/A	N/A	N/A
A_33_P3404775	13,3296	13,3612	-1,022145093	ENST00000468476	8761	NM_001135653	PABPC4
A_33_P3210885	5,94479	5,97642	-1,022166348	ENST00000350425	538	NM_001282224	ATP7A
A_21_P0014081	1,57358	1,60523	-1,022180518	N/A	N/A	N/A	Inc-NBPF3-4



A_22_P00012224	1,42905	1,46071	-1,022187603	ENST00000550177	N/A	XR_110357	N/A
A_23_P162807	12,7484	12,7801	-1,022215945	ENST00000461675	10240	NM_005830	MRPS31
A_22_P00008765	1,45942	1,49117	-1,022251373	N/A	N/A	DB095685	Inc-KIF15-1
A_21_P0005243	1,435	1,46679	-1,022279716	ENST00000446000	101927378	N/A	LOC101927378
A_24_P195794	16,7406	16,7724	-1,022286802	ENST00000488906	N/A	AK130930	N/A
A_32_P49423	14,1381	14,1699	-1,022286802	ENST00000399556	4869	NM_001037738	NPM1
A_23_P20480	8,60029	8,63209	-1,022286802	ENST00000220659	55290	NM_018310	BRF2
A_23_P25994	10,0993	10,1312	-1,022357664	ENST00000557725	5641	NM_001008530	LGMN
A_21_P0001254	7,30873	7,34064	-1,02236475	N/A	N/A	N/A	Inc-MIB2-1
A_23_P66481	1,43284	1,4648	-1,022400183	ENST00000331238	146760	NM_178568	RTN4RL1
A_22_P00000794	4,07735	4,10932	-1,02240727	N/A	N/A	N/A	Inc-ADSS-2
A_33_P6816082	1,63926	1,67125	-1,022421444	ENST00000493529	646168	NR_033843	LINC01330
A_23_P252825	11,0339	11,0659	-1,022428531	ENST00000545718	22937	NM_012235	SCAP
A_33_P3291034	1,38744	1,41944	-1,022428531	N/A	390664	NM_207419	C1QTNF8
A_24_P324640	9,71963	9,75164	-1,022435618	ENST00000600775	27300	NM_014480	ZNF544
A_21_P0014157	6,95874	6,99075	-1,022435618	N/A	N/A	N/A	N/A
A_24_P270496	1,62035	1,65239	-1,022456879	ENST00000344429	4857	NM_006491	NOVA1
A_21_P0014292	1,40506	1,43712	-1,022471053	ENST00000558061	N/A	XR_109187	N/A
A_22_P00003202	1,39035	1,42241	-1,022471053	ENST00000565082	N/A	N/A	N/A
A_21_P0005602	1,57716	1,60923	-1,02247814	N/A	N/A	N/A	Inc-RP4-725G10.1.1-5
A_23_P104146	9,77654	9,80861	-1,02247814	ENST00000314607	9202	NM_005095	ZMYM4
A_22_P00002901	3,80057	3,83266	-1,022492315	N/A	92070	NR_033339	CTBP1-AS2
A_33_P3439919	1,35998	1,39208	-1,022499402	ENST00000521444	N/A	N/A	N/A
A_33_P3759592	17,5756	17,6077	-1,022499402	N/A	246318	AK023835	FLJ13773
A_23_P204375	8,26846	8,30058	-1,022513577	ENST00000329858	57121	NM_020400	LPAR5
A_21_P0002058	1,356	1,38813	-1,022520665	N/A	N/A	N/A	Inc-RAB1A-2
A_19_P00316726	10,1898	10,222	-1,022570279	ENST00000421406	100500849	N/A	MIR3916
A_23_P369485	1,59164	1,62384	-1,022570279	N/A	90768	NR_027107	LOC90768
A_22_P00007130	4,40881	4,44101	-1,022570279	ENST00000423504	N/A	DA142060	N/A
A_22_P00013658	1,45778	1,48999	-1,022577367	ENST00000519248	N/A	N/A	N/A
A_21_P0000964	1,63526	1,66748	-1,022584455	ENST00000417514	284551	NR_027085	LINC01226
A_22_P00013050	1,65367	1,68591	-1,022598631	ENST00000570153	N/A	AF297014	N/A
A_21_P0006708	1,61568	1,64794	-1,022612808	N/A	N/A	N/A	Inc-EMX2-5

A_23_P317729	1,59129	1,62356	-1,022619896	ENST00000303846	121340	NM_152860	SP7
A_23_P71855	6,25142	6,2837	-1,022626984	ENST00000223642	727	NM_001735	C5
A_23_P40192	11,1834	11,2157	-1,022641161	ENST00000537909	64405	NM_021248	CDH22
A_21_P0004144	1,65953	1,69185	-1,022655338	ENST00000506612	N/A	N/A	N/A
A_21_P0005780	1,60634	1,63868	-1,022669515	N/A	N/A	N/A	Inc-ZNF623-1
A_33_P3366179	1,57272	1,6051	-1,02269787	N/A	N/A	N/A	N/A
A_23_P87603	10,9107	10,9431	-1,022712047	ENST00000549679	6895	NM_134323	TARBP2
A_22_P00020223	1,43842	1,47082	-1,022712047	N/A	N/A	N/A	Inc-LETM2-1
A_21_P0004174	1,42433	1,45676	-1,022733314	ENST00000515364	N/A	N/A	N/A
A_22_P00021939	1,42857	1,46102	-1,022747492	ENST00000437881	N/A	N/A	N/A
A_22_P00022066	1,65461	1,68707	-1,022754582	N/A	N/A	BC039473	Inc-HLTF-1
A_22_P00008766	4,0139	4,04638	-1,02276876	N/A	N/A	N/A	Inc-KIF16B-1
A_21_P0002306	4,1526	4,18509	-1,022775849	N/A	N/A	N/A	Inc-UPP2-2
A_21_P0011351	1,35814	1,39063	-1,022775849	N/A	N/A	N/A	XLOC_I2_004843
A_33_P3363341	1,42185	1,45435	-1,022782939	ENST00000619900	389177	NM_001164436	TMEM212
A_33_P3262020	8,0247	8,0572	-1,022782939	ENST00000224181	733	NM_000606	C8G
A_33_P3355538	1,36386	1,39642	-1,022825476	ENST00000494398	375298	NM_001030311	CERKL
A_22_P00001856	1,43294	1,46551	-1,022832566	N/A	100507098	NR_038264	ADAMTS9-AS2
A_33_P3375668	18,0222	18,0548	-1,022853835	ENST00000396982	N/A	N/A	N/A
A_33_P3373418	1,36236	1,39501	-1,022889285	N/A	N/A	N/A	N/A
A_23_P212945	1,6278	1,66046	-1,022896375	ENST00000533547	3347	NM_000200	HTN3
A_21_P0010439	1,5865	1,61919	-1,022917646	N/A	N/A	N/A	Inc-PVALB-2
A_24_P316074	16,7484	16,7811	-1,022924736	ENST00000333817	N/A	N/A	N/A
A_23_P54540	11,11	11,1427	-1,022924736	ENST00000263791	440275	NM_001013703	EIF2AK4
A_21_P0013238	5,80547	5,83817	-1,022924736	ENST00000423746	N/A	XR_242290	N/A
A_24_P595717	1,35849	1,3912	-1,022931827	ENST00000475900	165186	NM_199280	FAM179A
A_21_P0002335	1,45736	1,49009	-1,022946008	N/A	N/A	N/A	Inc-OBFC2A-3
A_33_P3333282	6,31575	6,34848	-1,022946008	ENST00000293829	2256	BC032502	FGF11
A_22_P00006377	4,90527	4,93801	-1,022953098	N/A	N/A	BQ721467	Inc-FBN1-3
A_33_P3798268	1,38048	1,41324	-1,02296728	ENST00000412578	285370	NR_027102	LINC00606
A_21_P0001740	1,45723	1,49	-1,02297437	N/A	N/A	N/A	Inc-WARS2-1
A_33_P3707547	1,4371	1,46988	-1,022981461	N/A	541467	BC045815	LOC541467
A_21_P0002827	1,36732	1,40011	-1,022988552	ENST00000440556	N/A	N/A	N/A

A_19_P00808320	13,1513	13,1841	-1,022995643	N/A	N/A	BC014023	Inc-PPA2-1
A_21_P0006204	1,6165	1,6493	-1,022995643	N/A	N/A	N/A	Inc-RAD23B-6
A_23_P311150	12,2437	12,2765	-1,022995643	ENST00000298130	171546	NM_138288	SPTSSA
A_21_P0004619	1,57427	1,6071	-1,023016915	ENST00000414364	100505879	NR_103750	KIF25-AS1
A_22_P00009531	1,43056	1,46348	-1,023080737	N/A	N/A	N/A	Inc-MAP1LC3B-2
A_21_P0011188	1,65914	1,69211	-1,023116194	ENST00000438352	100874176	N/A	LINC00448
A_22_P00008837	1,73971	1,77269	-1,023123286	ENST00000419499	N/A	AK056689	N/A
A_23_P90944	1,37334	1,40632	-1,023123286	ENST00000424326	6332	NM_002976	SCN7A
A_22_P00014248	14,3128	14,3458	-1,02313747	ENST00000439105	N/A	N/A	N/A
A_33_P3358686	3,70931	3,74237	-1,023180022	N/A	N/A	N/A	N/A
A_23_P128201	1,39289	1,42596	-1,023187114	ENST00000548221	3071	NM_005337	NCKAP1L
A_21_P0003363	1,43209	1,46516	-1,023187114	ENST00000511634	N/A	N/A	N/A
A_33_P3320393	15,3438	15,3769	-1,023208391	ENST00000372940	51021	NM_016065	MRPS16
A_21_P0007890	6,75027	6,78342	-1,023243853	ENST00000551629	N/A	N/A	N/A
A_21_P0007741	1,43914	1,47231	-1,023258038	N/A	N/A	N/A	Inc-EEA1-1
A_33_P3220415	6,44493	6,47812	-1,023272224	ENST00000555214	2592	AK096026	GALT
A_19_P00804950	6,29328	6,32647	-1,023272224	N/A	N/A	N/A	Inc-AC114947.1.1-2
A_22_P00013341	1,61182	1,64501	-1,023272224	ENST00000522643	N/A	N/A	N/A
A_22_P00009636	1,99304	2,02626	-1,023293502	ENST00000563417	N/A	BC040600	N/A
A_19_P00317671	1,84311	1,87638	-1,023328968	N/A	N/A	BC128222	N/A
A_33_P3375636	1,43729	1,47058	-1,023343154	ENST00000377365	100131897	NM_001129891	FAM196B
A_22_P00010770	1,72713	1,76043	-1,023350247	N/A	101929591	NR_109956	KIZ-AS1
A_33_P3403615	11,7081	11,7414	-1,023350247	ENST00000618612	2280	NM_000801	FKBP1A
A_33_P3224878	1,57202	1,60537	-1,023385715	ENST00000476089	3676	NM_000885	ITGA4
A_33_P3377439	1,36066	1,39401	-1,023385715	ENST00000335040	138802	NM_001004483	OR13C8
A_33_P3408953	5,97548	6,00886	-1,023406995	ENST00000619998	91227	NM_001282879	GGTLC2
A_22_P00024803	18,7758	18,8092	-1,023421183	N/A	N/A	CN283862	Inc-WWC2-1
A_22_P00017353	12,9601	12,9935	-1,023421183	ENST00000452501	N/A	N/A	N/A
A_22_P00022197	1,5261	1,5595	-1,023421183	ENST00000517961	N/A	N/A	N/A
A_23_P18739	6,5157	6,54912	-1,023435371	ENST00000296582	55751	NM_018241	TMEM184C
A_23_P154420	1,40908	1,44254	-1,023463747	ENST00000406506	3238	NM_021193	HOXD12
A_21_P0012420	1,40215	1,43563	-1,023477935	ENST00000454508	100507391	N/A	LOC100507391
A_23_P416813	1,64463	1,67812	-1,023485029	ENST00000392161	284406	NM_133466	ZFP82

A_23_P135778	11,1029	11,1364	-1,023492124	ENST00000490777	55844	NM_018461	PPP2R2D
A_23_P103328	1,57608	1,60959	-1,023499218	ENST00000460330	5733	NM_198714	PTGER3
A_21_P0003019	1,58692	1,62044	-1,023506312	N/A	N/A	N/A	Inc-NR112-1
A_21_P0003540	1,43617	1,46969	-1,023506312	ENST00000508815	N/A	N/A	N/A
A_21_P0002327	1,58907	1,6226	-1,023513407	N/A	N/A	N/A	Inc-ZNF804A-1
A_22_P00019313	1,44001	1,47355	-1,023520501	N/A	100874282	N/A	MLIP-IT1
A_33_P6816142	1,36945	1,40299	-1,023520501	ENST00000433396	100507073	NR_110156	LOC100507073
A_23_P73632	1,60047	1,63401	-1,023520501	ENST00000378970	190	NM_000475	NROB1
A_21_P0003072	4,59749	4,63114	-1,023598544	N/A	N/A	N/A	Inc-EIF2B5-2
A_33_P3294042	1,43047	1,46416	-1,023626924	ENST00000390364	N/A	D13084	N/A
A_33_P3229375	2,63318	2,66687	-1,023626924	ENST00000408907	122706	NM_001099780	PSMB11
A_22_P00009285	1,436	1,46979	-1,023697879	N/A	N/A	N/A	Inc-LRRC30-2
A_21_P0010655	13,4581	13,4919	-1,023704975	ENST00000427962	N/A	N/A	N/A
A_33_P3780311	2,17198	2,20578	-1,023704975	N/A	349408	NR_030727	TLR8-AS1
A_33_P3249897	1,63462	1,66843	-1,023712071	N/A	N/A	N/A	N/A
A_24_P126425	4,8947	4,92852	-1,023719167	ENST00000458257	84182	NM_032222	FAM188B
A_22_P00002466	3,5715	3,60533	-1,023726263	ENST00000567484	N/A	AL109704	N/A
A_21_P0004405	1,5927	1,62653	-1,023726263	N/A	N/A	N/A	Inc-CCDC125-6
A_21_P0014723	1,43513	1,46896	-1,023726263	N/A	N/A	N/A	N/A
A_33_P3273143	2,54947	2,58337	-1,023775935	ENST00000406566	N/A	BC093099	N/A
A_24_P88565	10,2363	10,2702	-1,023775935	ENST00000484157	55974	NM_018845	SLC50A1
A_22_P00012297	1,60324	1,63716	-1,023790128	N/A	100874275	N/A	LINC01216
A_21_P0008238	1,43118	1,46511	-1,023797224	N/A	N/A	N/A	Inc-AL445989.1-19
A_22_P00000670	1,38487	1,4188	-1,023797224	ENST00000449485	N/A	N/A	N/A
A_33_P3214750	1,3764	1,41034	-1,023804321	N/A	N/A	N/A	N/A
A_33_P3407034	1,62124	1,65519	-1,023811417	ENST00000288135	3815	NM_000222	KIT
A_21_P0001642	1,61554	1,64949	-1,023811417	N/A	N/A	N/A	Inc-SIPA1L2-1
A_22_P00010592	1,35879	1,39275	-1,023818514	ENST00000562322	N/A	N/A	N/A
A_33_P3212432	1,58754	1,62154	-1,0238469	ENST00000617347	N/A	X04925	N/A
A_23_P47377	13,2967	13,3307	-1,0238469	ENST00000278353	51144	NM_016142	HSD17B12
A_22_P00010589	1,42855	1,46257	-1,023861094	ENST00000555642	N/A	N/A	N/A
A_33_P3355418	5,08306	5,11711	-1,023882385	ENST00000421325	123624	NM_152336	AGBL1
A_22_P00002576	5,68297	5,71703	-1,023889482	N/A	N/A	DB058128	Inc-C17orf97-6

A_22_P00016527	1,56721	1,60129	-1,023903676	ENST00000549551	N/A	N/A	N/A
A_33_P3256828	1,43453	1,46863	-1,023917871	ENST00000606154	N/A	AK130711	N/A
A_22_P00001349	5,8606	5,8947	-1,023917871	ENST00000580684	339290	NR_015389	LINC00667
A_24_P382579	6,26547	6,29961	-1,02394626	ENST00000217386	5020	NM_000915	OXT
A_19_P00809455	4,61596	4,65013	-1,023967553	N/A	N/A	N/A	lnc-HES1-3
A_21_P0013223	1,58006	1,61423	-1,023967553	N/A	N/A	N/A	XLOC_I2_013457
A_22_P00012073	1,70758	1,74175	-1,023967553	N/A	N/A	N/A	lnc-PMEL-2
A_21_P0011803	1,61746	1,65164	-1,02397465	N/A	N/A	N/A	XLOC_I2_007315
A_23_P395595	10,9076	10,9418	-1,023988846	ENST00000263773	23360	NM_015308	FNBP4
A_33_P3399101	8,45089	8,4851	-1,023995943	ENST00000342020	1514	N/A	CTSL
A_22_P00023937	1,79771	1,83192	-1,023995943	N/A	100874231	NR_046531	SPATA13-AS1
A_23_P203183	1,4201	1,45432	-1,024003041	ENST00000227667	345	NM_000040	APOC3
A_33_P3368014	6,60638	6,64061	-1,024010139	ENST00000356742	84329	NM_001040107	HVCN1
A_21_P0014608	4,29373	4,32797	-1,024017237	ENST00000506599	102724021	XR_425148	LOC102724021
A_33_P3330990	5,95775	5,99202	-1,024038531	ENST00000444323	N/A	AI218952	N/A
A_24_P314179	10,9447	10,979	-1,024059826	ENST00000360214	2114	NM_005239	ETS2
A_22_P00006706	1,62913	1,66343	-1,024059826	N/A	N/A	N/A	lnc-FRG2C-6
A_23_P98616	1,45453	1,48886	-1,02408112	ENST00000458333	9356	NM_153277	SLC22A6
A_21_P0012635	1,54994	1,58431	-1,024109514	N/A	N/A	N/A	XLOC_I2_010947
A_23_P116850	1,38809	1,42247	-1,024116613	ENST00000309680	3849	NM_000423	KRT2
A_21_P0004547	3,26249	3,29687	-1,024116613	N/A	N/A	N/A	lnc-HNRNPAB-2
A_21_P0011368	1,43679	1,47118	-1,024123712	N/A	101928134	NR_120327	LOC101928134
A_22_P00002571	1,63716	1,6716	-1,024159206	N/A	N/A	N/A	lnc-C17orf97-2
A_21_P0008320	1,39092	1,42536	-1,024159206	N/A	N/A	N/A	lnc-PAX9-5
A_22_P00002938	8,56832	8,60282	-1,0242018	N/A	648987	NR_034086	LOC648987
A_24_P346126	10,3201	10,3546	-1,0242018	ENST00000317633	8293	NM_022968	SERF1A
A_33_P3353259	17,535	17,5695	-1,0242018	ENST00000454541	N/A	N/A	N/A
A_22_P00007622	1,5897	1,62421	-1,024208899	ENST00000506338	N/A	XR_244772	N/A
A_19_P00316871	1,57118	1,6057	-1,024215999	ENST00000417883	338588	NR_015425	LINC00705
A_33_P3310649	2,15771	2,19225	-1,024230198	N/A	N/A	N/A	lnc-KLF7-1
A_33_P3532770	1,89259	1,92713	-1,024230198	N/A	283674	AK092120	LOC283674
A_22_P00005785	3,573	3,60755	-1,024237297	ENST00000432163	100996624	XR_158994	LOC100996624
A_33_P3272281	1,43383	1,46838	-1,024237297	ENST00000543308	N/A	AK126822	N/A

A_22_P00006387	1,35659	1,39115	-1,024244396	ENST00000542627	N/A	N/A	N/A
A_33_P3256565	2,25103	2,28566	-1,024294094	N/A	N/A	N/A	N/A
A_33_P3321372	8,38909	8,42372	-1,024294094	ENST00000276974	N/A	AK024257	N/A
A_24_P298495	4,02261	4,05729	-1,024329594	N/A	100130744	NR_046285	LOC100130744
A_23_P163238	3,938	3,97268	-1,024329594	ENST00000509801	161497	NM_153700	STRC
A_24_P349636	16,5504	16,5851	-1,024343795	ENST00000461513	N/A	N/A	N/A
A_33_P3292297	5,96023	5,99494	-1,024350895	ENST00000410024	64708	NM_001282950	COPS7B
A_22_P00005855	1,58628	1,621	-1,024357995	ENST00000567210	N/A	AL117591	N/A
A_23_P139682	1,36832	1,40305	-1,024365095	ENST00000535230	5858	NM_002864	PZP
A_22_P00000140	1,65519	1,68993	-1,024372196	N/A	N/A	N/A	Inc-AADAT-2
A_33_P3248602	6,35391	6,38865	-1,024372196	ENST00000425409	100288687	NM_001293798	DUX4
A_21_P0005925	1,45373	1,48848	-1,024379296	N/A	N/A	N/A	Inc-C8orf48-1
A_22_P00022833	1,35594	1,39069	-1,024379296	N/A	N/A	N/A	Inc-RAB11FIP2-1
A_22_P00014469	1,35961	1,39443	-1,024429001	N/A	N/A	N/A	Inc-SH3TC1-2
A_22_P00011523	8,11865	8,15347	-1,024429001	N/A	N/A	BX103274	Inc-PBX1-1
A_32_P150632	8,32045	8,35533	-1,024471606	ENST00000438331	311	N/A	ANXA11
A_33_P3405514	1,43204	1,46695	-1,02449291	N/A	100533997	NM_001204811	MAGEA10-MAGEA5
A_21_P0013107	1,39944	1,43435	-1,02449291	N/A	N/A	N/A	XLOC_I2_013153
A_22_P00003512	6,44881	6,48376	-1,024521315	N/A	N/A	BX106859	Inc-CCL1-1
A_22_P00017251	1,3568	1,39177	-1,024535518	N/A	N/A	N/A	Inc-UNC5CL-3
A_21_P0009943	1,85921	1,89418	-1,024535518	ENST00000623256	101929625	N/A	LOC101929625
A_33_P3235247	4,36457	4,39954	-1,024535518	ENST00000603694	N/A	N/A	N/A
A_23_P304524	1,58083	1,61591	-1,024613638	ENST00000411937	166614	NM_001040260	DCLK2
A_21_P0009402	4,72399	4,75908	-1,02462074	N/A	N/A	N/A	Inc-AC027763.2.1-1
A_21_P0012546	1,35818	1,39328	-1,024627842	ENST00000463799	100287639	N/A	MTHFD2P1
A_19_P00321722	10,0611	10,0962	-1,024627842	N/A	N/A	N/A	Inc-CCDC71L-1
A_33_P3240295	12,3462	12,3813	-1,024627842	ENST00000454475	N/A	N/A	N/A
A_33_P3417081	1,36198	1,39709	-1,024634945	ENST00000494925	650655	NR_003574	ABCA17P
A_33_P3213617	4,10417	4,13929	-1,024642047	ENST00000390375	N/A	A25493	N/A
A_21_P0007738	1,4331	1,46824	-1,024656251	N/A	N/A	N/A	Inc-C12orf12-1
A_23_P138938	1,37493	1,41008	-1,024663354	ENST00000534780	5241	NM_000926	PGR
A_32_P211117	1,6473	1,68247	-1,024677559	ENST00000459979	3232	BC047605	HOXD3
A_22_P00005986	1,57317	1,60834	-1,024677559	N/A	N/A	N/A	Inc-F2RL2-3

A_22_P00018899	1,41612	1,4513	-1,024684661	N/A	N/A	AK130909	Inc-CTD-2054N24.2.1-3
A_23_P133814	14,2547	14,2899	-1,024698867	ENST00000612966	8352	NM_003531	HIST1H3C
A_33_P3241043	18,1825	18,2177	-1,024698867	N/A	N/A	N/A	N/A
A_21_P0007107	1,42725	1,46249	-1,024727278	ENST00000427247	N/A	XR_424136	N/A
A_22_P00025802	1,6381	1,67335	-1,024734381	N/A	N/A	AK094657	Inc-CLUL1-1
A_21_P0008556	1,60438	1,63963	-1,024734381	ENST00000561182	101928850	XR_253389	LOC101928850
A_23_P26865	4,32947	4,36472	-1,024734381	ENST00000577963	4621	NM_002470	MYH3
A_21_P0007800	1,60841	1,6437	-1,024762793	ENST00000536341	100996679	NR_104647	LOC100996679
A_22_P00017191	1,35603	1,39135	-1,024784102	N/A	N/A	N/A	Inc-UCHL3-2
A_21_P0009493	1,37701	1,41235	-1,024798309	N/A	N/A	N/A	Inc-CCDC102B-2
A_22_P00004091	1,42371	1,45911	-1,02484093	N/A	N/A	N/A	Inc-CIT-4
A_22_P00005248	1,58176	1,61716	-1,02484093	N/A	N/A	N/A	Inc-DLX5-1
A_21_P0003562	1,61596	1,65139	-1,024862241	N/A	N/A	N/A	Inc-RP3-368B9.1.1-5
A_23_P102242	9,08823	9,12367	-1,024869345	ENST00000409175	64844	NM_022826	mar-07
A_24_P317450	7,58388	7,61936	-1,024897761	ENST00000522287	202459	NR_028496	OSTCP1
A_33_P3370940	2,40789	2,44337	-1,024897761	N/A	3912	BC044633	LAMB1
A_24_P160104	7,46452	7,50001	-1,024904865	ENST00000474897	51807	NM_018943	TUBA8
A_21_P0012380	5,09132	5,12681	-1,024904865	N/A	401074	N/A	LINC00960
A_21_P0005994	1,45238	1,48788	-1,024911969	ENST00000427039	101928438	NR_109802	LOC101928438
A_22_P00004014	1,40267	1,43817	-1,024911969	N/A	N/A	BM682595	Inc-CHMP4C-5
A_22_P00008484	1,56582	1,60132	-1,024911969	ENST00000371741	3745	AK126976	KCNB1
A_22_P00006925	1,5824	1,61791	-1,024919073	ENST00000458168	100507163	N/A	LINC00709
A_24_P53353	7,65878	7,69431	-1,024933282	ENST00000329286	201475	NM_001025300	RAB12
A_33_P3216808	1,63344	1,66897	-1,024933282	N/A	100129042	AK126562	LOC100129042
A_33_P3395209	1,42842	1,46395	-1,024933282	N/A	N/A	N/A	N/A
A_22_P00010621	1,45104	1,48658	-1,024940386	ENST00000511693	N/A	XM_006726418	N/A
A_21_P0007514	1,43449	1,47004	-1,02494749	N/A	N/A	N/A	Inc-KCNA1-1
A_21_P0010229	1,36036	1,39591	-1,02494749	N/A	N/A	N/A	Inc-KRTAP13-1-1
A_21_P0012965	1,60906	1,64461	-1,02494749	N/A	N/A	N/A	Inc-RP11-1026M7.2.1-1
A_23_P102988	7,14538	7,18094	-1,024954595	ENST00000487165	10587	NM_006440	TXNRD2
A_22_P00008692	1,41891	1,45448	-1,024961699	N/A	N/A	HY016478	Inc-KIAA1147-3
A_33_P3283651	1,61532	1,65091	-1,024975908	N/A	N/A	AF118062	N/A
A_33_P3303302	9,93794	9,97353	-1,024975908	N/A	N/A	N/A	N/A

A_23_P377434	11,5303	11,5659	-1,024983013	ENST00000430969	84629	NM_001080495	TNRC18
A_21_P0011588	1,44556	1,48117	-1,024990118	ENST00000618554	201181	NM_001242704	ZNF385C
A_21_P0008910	1,43091	1,46653	-1,024997222	N/A	N/A	N/A	Inc-ACSM5-2
A_21_P0012697	1,64329	1,67893	-1,025011432	ENST00000503140	101928509	NR_125896	LOC101928509
A_23_P28707	13,9939	14,0296	-1,025054062	ENST00000370461	11054	NM_007346	OGFR
A_33_P3221843	7,13572	7,17146	-1,025082483	ENST00000254759	51805	XM_006715500	COQ3
A_22_P00010782	3,4788	3,51455	-1,025089588	N/A	N/A	N/A	Inc-NKX6-3-1
A_33_P3311258	1,46175	1,49751	-1,025096693	ENST00000334058	337971	NM_181610	KRTAP19-4
A_22_P00017407	2,89235	2,92813	-1,025110904	ENST00000438499	N/A	N/A	N/A
A_21_P0005011	2,94227	2,97807	-1,025125116	N/A	N/A	N/A	Inc-MBOAT1-1
A_33_P3288594	1,39734	1,43314	-1,025125116	ENST00000483242	100129055	NR_024524	LOC100129055
A_21_P0004002	1,45198	1,4878	-1,025139327	ENST00000511861	N/A	N/A	N/A
A_23_P253542	1,85695	1,89277	-1,025139327	ENST00000379494	23676	NM_014332	SMPX
A_33_P3379881	1,40478	1,4406	-1,025139327	ENST00000320930	342184	NM_001277314	FMN1
A_21_P0002683	1,43918	1,475	-1,025139327	N/A	N/A	N/A	Inc-DLX2-1
A_33_P3325543	1,37051	1,40635	-1,025153538	ENST00000374111	282966	NM_001042427	C10orf53
A_33_P3323928	7,66428	7,70016	-1,025181962	ENST00000454935	90271	NR_026762	OLMALINC
A_21_P0004371	1,61642	1,65231	-1,025189068	N/A	N/A	N/A	Inc-DROSHA-7
A_24_P67898	10,4911	10,527	-1,025196174	N/A	10724	AF307332	MGEA5
A_23_P129704	11,367	11,4029	-1,025196174	ENST00000300086	54386	NM_018975	TERF2IP
A_21_P0011174	1,57876	1,61468	-1,025210387	N/A	N/A	N/A	XLOC_I2_003888
A_22_P00015135	1,57401	1,60999	-1,025253025	ENST00000550766	8738	N/A	CRADD
A_22_P00015331	1,42444	1,46042	-1,025253025	ENST00000601940	N/A	N/A	N/A
A_23_P209933	10,7054	10,7414	-1,025267238	ENST00000377386	10618	NM_006464	TGOLN2
A_33_P3332690	15,7633	15,7993	-1,025267238	N/A	440423	BC047718	SUZ12P1
A_22_P00011075	2,78942	2,82544	-1,025281451	N/A	N/A	BX096792	Inc-NUBP1-1
A_21_P0011822	6,18364	6,21969	-1,025302772	N/A	N/A	N/A	Inc-ZAP70-2
A_23_P338505	4,27243	4,30848	-1,025302772	ENST00000590281	91442	NM_152266	C19orf40
A_21_P0013224	2,7554	2,79146	-1,025309878	N/A	N/A	N/A	XLOC_I2_013458
A_21_P0011951	5,77578	5,81185	-1,025316985	N/A	N/A	N/A	XLOC_I2_008203
A_22_P00008127	1,57034	1,60641	-1,025316985	N/A	N/A	N/A	Inc-IL34-1
A_21_P0002887	1,57601	1,61208	-1,025316985	ENST00000474444	N/A	N/A	N/A
A_22_P00003331	1,45147	1,48755	-1,025324092	ENST00000509602	N/A	N/A	N/A



A_22_P00002126	7,99906	8,03516	-1,025338306	N/A	100874048	NR_104030	DGUOK-AS1
A_23_P78438	12,7508	12,7869	-1,025338306	ENST00000544274	55250	NM_018255	ELP2
A_24_P563545	10,1204	10,1565	-1,025338306	ENST00000370112	148867	NM_133496	SLC30A7
A_33_P3359408	1,63421	1,67031	-1,025338306	N/A	N/A	N/A	N/A
A_23_P142447	5,74047	5,77658	-1,025345414	ENST00000613525	4542	NM_012335	MYO1F
A_22_P00021031	1,44832	1,48443	-1,025345414	N/A	613126	NR_122109	CYP51A1-AS1
A_22_P00021539	1,61895	1,65506	-1,025345414	N/A	100874011	NR_046665	XIRP2-AS1
A_22_P00001370	1,60732	1,64348	-1,02538095	N/A	101410534	NR_102696	DLGAP1-AS4
A_21_P0009289	1,73304	1,7692	-1,02538095	N/A	N/A	N/A	Inc-GPR172B-2
A_33_P3394366	4,31179	4,34796	-1,025388057	N/A	728276	N/A	CLEC19A
A_21_P0014472	5,80502	5,84119	-1,025388057	N/A	N/A	N/A	N/A
A_21_P0003730	1,64965	1,68583	-1,025395165	N/A	N/A	N/A	Inc-SEPSECS-1
A_21_P0012708	7,28911	7,3253	-1,025402272	ENST00000508156	N/A	N/A	N/A
A_33_P3298634	8,29347	8,32966	-1,025402272	ENST00000421540	9054	NM_001198989	NFS1
A_24_P305623	10,7186	10,7548	-1,02540938	ENST00000542230	757	NM_006134	TMEM50B
A_23_P253586	4,9277	4,96392	-1,025423595	ENST00000399151	9980	NM_005128	DOPEY2
A_21_P0003189	2,1954	2,23163	-1,025430703	N/A	N/A	N/A	Inc-MECOM-1
A_22_P00019824	1,76463	1,80087	-1,025437811	ENST00000433315	N/A	N/A	N/A
A_33_P3411910	1,43132	1,46757	-1,025444919	ENST00000435991	N/A	N/A	N/A
A_33_P3331767	1,57031	1,60663	-1,025494675	ENST00000372952	78997	NM_001256740	GDAP1L1
A_22_P00012472	1,42613	1,46246	-1,025501783	N/A	N/A	N/A	Inc-PRR25-2
A_22_P00023079	7,01281	7,04918	-1,025530216	N/A	N/A	AK024152	Inc-MYO6-1
A_33_P3345319	1,62044	1,65681	-1,025530216	N/A	N/A	N/A	N/A
A_22_P00022599	5,20668	5,24306	-1,025537325	ENST00000441949	101928770	NR_126363	LINC01526
A_33_P3423931	4,64103	4,67741	-1,025537325	ENST00000619315	392399	NM_001001676	LCN9
A_33_P3262515	11,5566	11,593	-1,025551542	ENST00000334062	22821	NM_007368	RASA3
A_21_P0010819	1,61946	1,65588	-1,025565759	ENST00000420453	N/A	N/A	N/A
A_22_P00009874	1,62708	1,6635	-1,025565759	ENST00000582654	N/A	N/A	N/A
A_22_P00021403	1,42278	1,45921	-1,025572868	N/A	N/A	N/A	Inc-NPY2R-1
A_22_P00025124	1,61689	1,65333	-1,025579976	N/A	N/A	N/A	Inc-CPPED1-5
A_22_P00009325	2,93846	2,97492	-1,025594194	ENST00000520457	93668	NR_026684	HPYR1
A_24_P175187	8,2477	8,28418	-1,025608412	ENST00000379958	54809	NM_017654	SAMD9
A_22_P00021070	1,42709	1,46359	-1,02562263	ENST00000529910	N/A	N/A	N/A

A_33_P3803667	1,62356	1,66006	-1,02562263	ENST00000607074	401289	AK095441	FLJ38122
A_21_P0005611	3,27196	3,30846	-1,02562263	N/A	N/A	N/A	Inc-KIAA1147-3
A_32_P204019	16,5617	16,5982	-1,02562263	ENST00000478358	6159	NM_000992	RPL29
A_33_P3253538	1,36246	1,39898	-1,025636848	ENST00000328278	389257	NM_001080478	LRRC14B
A_33_P3334180	5,27459	5,31116	-1,025672395	ENST00000473964	9651	AB527144	PLCH2
A_23_P164035	11,2566	11,2932	-1,025693723	ENST00000581842	5705	NM_002805	PSMC5
A_32_P303449	1,81107	1,8477	-1,025715052	ENST00000323675	374768	NM_199339	SPEM1
A_23_P169112	9,34675	9,38338	-1,025715052	ENST00000526271	29894	NM_013291	CPSF1
A_22_P00025736	1,38707	1,42373	-1,025736382	N/A	N/A	CR744472	Inc-SNX20-4
A_33_P3220753	1,68276	1,71942	-1,025736382	N/A	100505635	XR_432015	LOC100505635
A_22_P00003025	4,86812	4,90479	-1,025743491	ENST00000426187	N/A	N/A	N/A
A_22_P00008463	1,62574	1,66244	-1,025764821	ENST00000524966	N/A	N/A	N/A
A_33_P3317942	1,42961	1,46633	-1,025779042	ENST00000503598	N/A	N/A	N/A
A_33_P3363933	3,14466	3,18139	-1,025786152	ENST00000321935	343413	NM_001284217	FCRL6
A_22_P00017450	3,57236	3,60911	-1,025800372	N/A	N/A	N/A	Inc-VRK1-1
A_21_P0001816	1,39814	1,43489	-1,025800372	ENST00000450794	400940	NR_026833	LOC400940
A_22_P00013743	1,3776	1,41435	-1,025800372	ENST00000526934	N/A	N/A	N/A
A_23_P162300	8,22325	8,26001	-1,025807483	ENST00000261233	11213	NM_007199	IRAK3
A_21_P0004258	1,62706	1,66383	-1,025814593	N/A	N/A	N/A	Inc-SREK1-1
A_33_P3278033	7,93671	7,97348	-1,025814593	ENST00000358022	286319	NM_001004125	TUSC1
A_23_P53541	12,151	12,1878	-1,025835924	ENST00000535717	1108	NM_001273	CHD4
A_22_P00020465	1,39616	1,43296	-1,025835924	N/A	101927344	XR_244438	LOC101927344
A_21_P0011246	1,45027	1,48707	-1,025835924	N/A	N/A	N/A	XLOC_I2_004208
A_22_P00016973	1,42101	1,45782	-1,025843035	N/A	N/A	N/A	Inc-TTC14-1
A_22_P00025544	1,38164	1,41845	-1,025843035	N/A	N/A	N/A	Inc-UACA-1
A_33_P3213874	1,42968	1,4665	-1,025850146	ENST00000303059	390154	NM_001004747	OR5T3
A_21_P0014698	1,57076	1,60759	-1,025857256	N/A	N/A	N/A	N/A
A_22_P00018112	5,73737	5,77421	-1,025864367	ENST00000416124	102724231	XR_425578	LOC102724231
A_22_P00020810	1,44075	1,47764	-1,025899921	ENST00000590021	102723379	XR_430228	LOC102723379
A_23_P1374	1,61979	1,65673	-1,025935477	ENST00000263125	5588	NM_006257	PRKCQ
A_33_P3234849	5,2749	5,31184	-1,025935477	ENST00000465299	7402	NM_007124	UTRN
A_33_P3220780	1,41063	1,44761	-1,025963922	N/A	N/A	N/A	N/A
A_22_P00008722	4,85049	4,88749	-1,025978145	N/A	N/A	AL137668	Inc-KIAA1609-1

A_33_P3277965	4,97941	5,01641	-1,025978145	ENST00000589123	4782	NM_205843	NFIC
A_33_P3289917	1,38886	1,42588	-1,025992369	ENST00000413199	389152	NM_001134657	PRR23C
A_33_P3335661	1,52871	1,56576	-1,026013704	ENST00000389586	120406	NM_182495	NXPE2
A_22_P00002982	9,63999	9,67704	-1,026013704	ENST00000562471	N/A	AK123786	N/A
A_33_P3317009	1,35809	1,39515	-1,026020815	ENST00000469799	6556	AK294707	SLC11A1
A_23_P304304	4,41246	4,44952	-1,026020815	ENST00000359361	416	NM_004042	ARSF
A_24_P229669	6,88612	6,92319	-1,026027927	ENST00000340249	283796	NR_024074	GOLGA8IP
A_33_P3305920	1,62294	1,66001	-1,026027927	N/A	100874130	NR_120399	ENOX1-AS2
A_24_P230057	13,6322	13,6693	-1,026049263	ENST00000427083	N/A	N/A	N/A
A_33_P3374987	1,42609	1,46319	-1,026049263	ENST00000300303	375607	NM_198571	NAT16
A_33_P3251746	1,39845	1,43555	-1,026049263	ENST00000283225	N/A	N/A	N/A
A_21_P0005824	1,36762	1,40475	-1,0260706	N/A	N/A	N/A	Inc-ZMAT4-3
A_24_P675386	7,57336	7,6105	-1,026077712	N/A	10944	NM_014267	C11orf58
A_23_P149427	2,17431	2,21146	-1,026084824	ENST00000480004	10753	NM_006615	CAPN9
A_22_P00010771	1,37262	1,40981	-1,026113273	N/A	N/A	BC042893	Inc-NKX2-4-2
A_23_P104201	12,0998	12,137	-1,026120386	ENST00000375972	10730	NM_139312	YME1L1
A_33_P7476087	10,5199	10,5571	-1,026120386	N/A	440944	NR_027007	THUMP3-AS1
A_22_P00015002	8,45059	8,4878	-1,026127499	ENST00000607952	N/A	N/A	N/A
A_22_P00008403	1,64044	1,67766	-1,026134611	N/A	N/A	AK024242	Inc-JPH1-3
A_22_P00017317	1,39523	1,43245	-1,026134611	N/A	N/A	N/A	Inc-USP31-2
A_22_P00021083	5,80216	5,83939	-1,026141724	ENST00000555156	101954204	NR_104063	LINC00644
A_23_P84154	1,35713	1,39436	-1,026141724	ENST00000295095	55843	NM_018460	ARHGAP15
A_33_P3408237	7,90407	7,94133	-1,026163062	N/A	N/A	N/A	N/A
A_24_P935506	1,3692	1,40652	-1,02620574	N/A	N/A	N/A	N/A
A_21_P0007865	1,51363	1,551	-1,026241306	N/A	N/A	N/A	Inc-RAN-3
A_22_P00004864	1,44888	1,48625	-1,026241306	ENST00000518536	N/A	BM706447	N/A
A_22_P00010975	4,11108	4,14845	-1,026241306	N/A	100652846	NR_045725	CACNA1C-AS1
A_33_P3295803	8,18588	8,22325	-1,026241306	ENST00000622293	84932	NM_032846	RAB2B
A_24_P25550	1,42238	1,45979	-1,02626976	ENST00000394899	130	NM_001102470	ADH6
A_23_P30630	6,23303	6,2705	-1,026312442	ENST00000619706	254394	NM_017696	MCM9
A_33_P3289391	7,72174	7,75921	-1,026312442	N/A	N/A	N/A	N/A
A_22_P00013537	1,49055	1,52803	-1,026319556	ENST00000523264	N/A	BX116043	N/A
A_24_P116535	11,4237	11,4612	-1,026333784	ENST00000219271	4324	NM_002428	MMP15

A_21_P0001599	1,35776	1,39526	-1,026333784	N/A	N/A	N/A	Inc-NMNAT2-1
A_24_P130792	8,14835	8,18588	-1,026355126	ENST00000475281	387338	NM_199044	NSUN4
A_22_P00023713	1,42265	1,46019	-1,02636224	N/A	N/A	BX092414	Inc-SLC36A4-2
A_21_P0002619	9,52184	9,55939	-1,026369355	N/A	N/A	N/A	Inc-AC007405.7.1-2
A_21_P0005160	1,44842	1,48599	-1,026383583	N/A	N/A	N/A	Inc-CCHCR1-1
A_33_P3306352	5,86376	5,90133	-1,026383583	N/A	N/A	N/A	N/A
A_22_P00012848	6,33951	6,37708	-1,026383583	ENST00000462775	9462	AF075003	RASAL2
A_33_P3297005	1,96166	1,99927	-1,026412041	ENST00000564182	197342	NM_001257370	EME2
A_21_P0001009	1,44686	1,48448	-1,026419155	ENST00000445260	N/A	N/A	N/A
A_33_P3226650	1,64736	1,68499	-1,02642627	N/A	730152	NR_033760	GSTA7P
A_33_P3233620	1,62856	1,6662	-1,026433385	ENST00000623963	N/A	CR749405	N/A
A_32_P25253	9,41972	9,45736	-1,026433385	ENST00000426679	81689	NM_030940	ISCA1
A_33_P3229678	3,38124	3,41889	-1,026440499	N/A	N/A	N/A	N/A
A_22_P00013259	1,64171	1,67937	-1,026447614	N/A	N/A	N/A	Inc-ROS1-1
A_21_P0000421	1,62868	1,66634	-1,026447614	N/A	767604	NR_003217	SNORD114-24
A_21_P0014451	1,44418	1,48186	-1,026461844	N/A	N/A	CD358791	N/A
A_33_P3223849	1,42439	1,46208	-1,026468959	ENST00000442080	647309	NM_001146686	GMNC
A_22_P00000520	1,44325	1,48095	-1,026476074	N/A	N/A	BX114802	Inc-AC109486.1-2
A_22_P00023088	1,84965	1,88736	-1,026483189	ENST00000555871	N/A	N/A	N/A
A_22_P00011416	4,21072	4,24844	-1,026490304	ENST00000526968	5058	N/A	PAK1
A_21_P0008455	1,56662	1,60437	-1,026511649	N/A	N/A	N/A	Inc-MAP3K9-3
A_21_P0004737	1,41338	1,45116	-1,026532995	ENST00000447728	N/A	N/A	N/A
A_22_P00011576	1,62386	1,66165	-1,026540111	ENST00000515263	N/A	N/A	N/A
A_33_P3293524	11,2531	11,2909	-1,026547226	ENST00000369780	9148	NM_004210	NEURL1
A_24_P208825	12,6372	12,675	-1,026547226	ENST00000612020	4585	NM_018406	MUC4
A_21_P0009679	1,64307	1,68095	-1,026604152	N/A	N/A	N/A	Inc-SNAPC2-1
A_33_P3228709	4,87513	4,91305	-1,026632616	ENST00000398536	440050	NM_001012503	KRTAP5-7
A_22_P00012638	1,43829	1,47621	-1,026632616	N/A	N/A	N/A	Inc-PVALB-1
A_22_P00015383	1,51292	1,55084	-1,026632616	N/A	N/A	DB536005	Inc-SRD5A3-2
A_33_P3305531	6,46001	6,49795	-1,026646848	ENST00000437814	196074	NM_001297775	METTL15
A_33_P3328564	1,3642	1,40215	-1,026653964	N/A	N/A	N/A	N/A
A_33_P3270429	3,44418	3,48214	-1,02666108	ENST00000383773	9975	NR_110524	NR1D2
A_22_P00001892	5,60083	5,63881	-1,026675313	N/A	101927583	NR_120450	LOC101927583

A_21_P0012773	1,44567	1,48366	-1,026682429	ENST00000505298	N/A	N/A	N/A
A_21_P0008451	1,62607	1,66406	-1,026682429	N/A	N/A	N/A	Inc-ZFP36L1-1
A_21_P0002890	1,64567	1,6837	-1,026710895	N/A	N/A	N/A	Inc-TMEM14E-2
A_21_P0006991	2,19028	2,22831	-1,026710895	N/A	N/A	N/A	Inc-GDF10-1
A_22_P00008573	6,22039	6,25844	-1,026725129	N/A	N/A	N/A	Inc-KCNT1-1
A_22_P00000551	1,73154	1,76959	-1,026725129	ENST00000522531	N/A	XR_242404	N/A
A_19_P00316857	6,39092	6,42899	-1,026739362	ENST00000445707	440993	NR_122105	LINC00969
A_24_P256063	14,4741	14,5122	-1,026760713	ENST00000439811	N/A	N/A	N/A
A_22_P00011777	1,56492	1,60305	-1,026782064	N/A	N/A	N/A	Inc-PFKP-3
A_33_P3272169	5,78972	5,82787	-1,026796298	ENST00000395060	7461	NM_003388	CLIP2
A_23_P163173	7,05942	7,09758	-1,026803416	ENST00000530080	56413	NM_019839	LTB4R2
A_21_P0012593	1,35746	1,39564	-1,02681765	N/A	N/A	N/A	XLOC_I2_010723
A_22_P00012573	3,86196	3,90014	-1,02681765	N/A	N/A	N/A	Inc-PTP4A3-3
A_24_P706953	1,38111	1,4193	-1,026824768	ENST00000442682	155006	NM_001085429	TMEM213
A_33_P3303519	6,78008	6,81827	-1,026824768	ENST00000544853	387837	NM_205852	CLEC12B
A_23_P309850	12,4186	12,4568	-1,026831885	ENST00000315616	27079	NM_152260	RPUSD2
A_21_P0006330	1,56518	1,60339	-1,026839002	N/A	N/A	N/A	Inc-FAM78A-2
A_21_P0009463	1,38262	1,42086	-1,026860355	N/A	N/A	N/A	Inc-MIB1-1
A_32_P12202	1,62712	1,66537	-1,026867473	ENST00000333995	171484	XM_005274463	FAM9C
A_21_P0014419	1,37583	1,41409	-1,026874591	N/A	N/A	N/A	Inc-DGCR6-2
A_21_P0008365	1,64677	1,68504	-1,026881708	N/A	N/A	N/A	Inc-RP11-322L20.1.1-7
A_21_P0001523	1,364	1,40228	-1,026888826	N/A	N/A	N/A	Inc-TTLL7-5
A_21_P0009834	1,35708	1,39536	-1,026888826	ENST00000438222	N/A	N/A	N/A
A_21_P0007690	1,63541	1,67369	-1,026888826	N/A	N/A	N/A	Inc-SLCO1A2-4
A_33_P3368905	1,41932	1,45767	-1,026938652	ENST00000622328	388685	N/A	LINC01138
A_21_P0011561	4,04158	4,07993	-1,026938652	N/A	N/A	N/A	XLOC_I2_005933
A_23_P89812	11,0075	11,0459	-1,026974244	ENST00000584581	55748	NM_018235	CNDP2
A_33_P3277012	4,92298	4,9614	-1,026988481	ENST00000338895	1677	NM_004402	DFFB
A_33_P3243554	6,28754	6,32599	-1,027009837	ENST00000460411	23157	NM_145802	set-06
A_24_P50458	11,0052	11,0437	-1,027045431	ENST00000505638	7013	NM_017489	TERF1
A_22_P00005046	3,97924	4,01774	-1,027045431	ENST00000618742	389610	NM_207411	XKR5
A_33_P3245006	8,56804	8,60655	-1,02705255	ENST00000617083	26007	NM_015533	DAK
A_32_P337442	1,43895	1,47747	-1,027059669	ENST00000376500	256815	NM_153714	C10orf67

A_24_P141019	7,22852	7,26705	-1,027066788	ENST00000489293	7982	NM_018412	ST7
A_21_P0006850	6,88092	6,91946	-1,027073907	N/A	N/A	N/A	Inc-LYZL1-2
A_22_P00012133	1,42079	1,45937	-1,027102384	N/A	255130	NR_034081	IGFBP7-AS1
A_33_P3317780	1,63981	1,67849	-1,02717358	N/A	N/A	BC071615	Inc-FGFR1OP-2
A_21_P0005503	5,23204	5,27073	-1,0271807	N/A	N/A	N/A	Inc-SBDS-2
A_32_P224149	11,0404	11,0791	-1,027187819	ENST00000238256	23307	NM_015258	FKBP15
A_23_P566	12,3817	12,4204	-1,027187819	ENST00000361346	22887	NM_014947	FOXJ3
A_23_P216149	10,875	10,9137	-1,027187819	ENST00000276603	7013	NM_017489	TERF1
A_21_P0004208	3,77374	3,81246	-1,027202059	N/A	N/A	N/A	Inc-C5orf38-4
A_22_P00023057	7,89477	7,93349	-1,027202059	ENST00000359838	N/A	N/A	N/A
A_23_P164057	1,42642	1,46514	-1,027202059	ENST00000574313	4239	NM_002404	MFAP4
A_22_P00011624	1,40641	1,44513	-1,027202059	ENST00000610780	N/A	AK172821	N/A
A_21_P0011101	1,39894	1,43768	-1,0272163	ENST00000542219	101927901	N/A	LOC101927901
A_21_P0005551	1,63812	1,67687	-1,02722342	N/A	N/A	N/A	Inc-NFE2L3-2
A_21_P0005861	1,41998	1,45876	-1,02724478	N/A	N/A	N/A	Inc-PEX2-1
A_22_P00006885	1,74844	1,78722	-1,02724478	ENST00000581626	N/A	AL711312	N/A
A_22_P00019520	1,35795	1,39673	-1,02724478	ENST00000427064	N/A	N/A	N/A
A_23_P146111	6,99148	7,03026	-1,02724478	ENST00000520545	79815	NM_024759	NIPAL2
A_21_P0002378	1,35732	1,39611	-1,027251901	N/A	727944	XR_109991	LOC727944
A_23_P23855	11,6793	11,7181	-1,027259021	ENST00000622508	84265	NM_032305	POLR3GL
A_23_P341065	10,3197	10,3585	-1,027259021	ENST00000611222	83642	NM_031454	SELO
A_24_P56317	11,78	11,8188	-1,027259021	ENST00000376673	10150	NM_144778	MBNL2
A_33_P3217867	1,39591	1,43473	-1,027273262	N/A	N/A	N/A	N/A
A_21_P0012245	9,61099	9,64982	-1,027280383	ENST00000414401	100130418	NR_015352	CECR7
A_33_P3381707	1,39852	1,43738	-1,027301745	ENST00000609163	729920	NM_001101426	ISPD
A_33_P3334590	6,36109	6,39996	-1,027308865	ENST00000568611	54893	NM_017762	MTMR10
A_21_P0009136	1,6364	1,67529	-1,027323107	N/A	N/A	N/A	Inc-ZDHHC7-1
A_21_P0003954	1,39285	1,43174	-1,027323107	ENST00000513925	N/A	N/A	N/A
A_23_P78782	7,14791	7,18681	-1,027330228	ENST00000084798	770	NM_001217	CA11
A_24_P9285	12,9319	12,9708	-1,027330228	ENST00000502721	10960	NM_006816	LMAN2
A_23_P118690	12,0773	12,1162	-1,027330228	ENST00000394673	7756	NM_001032293	ZNF207
A_24_P625382	13,1416	13,1805	-1,027330228	ENST00000536823	8531	NM_003651	YBX3
A_33_P3230748	1,47174	1,51067	-1,027351591	N/A	N/A	DB453801	Inc-CEACAM18-2

A_24_P23921	3,28072	3,31965	-1,027351591	ENST00000614158	388381	NM_001080465	C17orf98
A_21_P0006357	3,18327	3,22221	-1,027358712	N/A	N/A	N/A	Inc-CENPP-3
A_21_P0004830	1,4113	1,45024	-1,027358712	N/A	N/A	N/A	Inc-RREB1-4
A_33_P3222635	1,41727	1,45623	-1,027372954	ENST00000503018	100132596	NR_003254	XGY2
A_33_P3310226	6,20155	6,24051	-1,027372954	N/A	100129115	AK095213	LOC100129115
A_21_P0003644	1,35859	1,39755	-1,027372954	N/A	N/A	N/A	Inc-AC110373.1-4
A_33_P3300843	7,73802	7,77705	-1,027422804	ENST00000624628	N/A	XR_428277	N/A
A_22_P00009476	1,35726	1,3963	-1,027429925	N/A	100533997	NM_001204811	MAGEA10-MAGEA5
A_33_P3299776	1,6395	1,67854	-1,027429925	ENST00000287139	4838	NM_018055	NODAL
A_33_P3285077	9,73199	9,77108	-1,027465534	ENST00000381571	54951	NM_017845	COMMD8
A_22_P00000538	3,466	3,50512	-1,0274869	N/A	101928174	NR_120329	LOC101928174
A_22_P00021105	8,22227	8,26144	-1,02752251	N/A	N/A	N/A	Inc-C16orf13-1
A_21_P0005589	1,37659	1,41584	-1,02757949	N/A	N/A	N/A	Inc-AC006372.1-1
A_33_P3260026	6,93479	6,97408	-1,027607981	ENST00000372314	83543	NM_001185096	AIF1L
A_23_P33613	13,3209	13,3602	-1,027615104	ENST00000319285	79077	NM_024096	DCTPP1
A_21_P0010087	1,36811	1,40741	-1,027615104	N/A	101929866	XR_253975	LOC101929866
A_21_P0006394	1,96659	2,00589	-1,027615104	N/A	N/A	N/A	Inc-PTGES2-1
A_33_P3415560	1,42386	1,46316	-1,027615104	ENST00000392161	284406	NM_133466	ZFP82
A_23_P252403	10,9887	11,028	-1,027615104	ENST00000274458	51397	NM_016144	COMMD10
A_23_P215675	11,7585	11,7978	-1,027615104	ENST00000415798	55744	NM_018224	COA1
A_33_P3314031	4,09405	4,13339	-1,027643596	ENST00000613578	201799	NM_152680	TMEM154
A_22_P00009207	1,44427	1,48362	-1,027650719	ENST00000429878	100506457	N/A	LOC100506457
A_21_P0008681	1,38083	1,42024	-1,027693458	N/A	N/A	N/A	Inc-MCTP2-8
A_21_P0001639	4,24486	4,28433	-1,0277362	N/A	N/A	N/A	Inc-TAF5L-1
A_33_P3390327	1,42417	1,46366	-1,027750447	ENST00000328314	390326	NM_001005183	OR6C76
A_22_P00008781	10,7519	10,7914	-1,027757571	N/A	N/A	N/A	Inc-KIF25-2
A_33_P3405459	10,4663	10,5058	-1,027757571	ENST00000615526	79025	NM_024059	C20orf195
A_23_P20022	11,0643	11,1038	-1,027757571	ENST00000466473	29923	NM_013332	HILPDA
A_23_P361014	1,64057	1,68014	-1,02780744	ENST00000240587	57616	NM_020856	TSHZ3
A_21_P0010419	1,43649	1,47607	-1,027814564	N/A	101927499	XR_244444	LOC101927499
A_23_P42116	11,9124	11,952	-1,027828812	ENST00000525601	9374	NM_005155	PPT2
A_23_P147984	12,0304	12,07	-1,027828812	ENST00000283943	9320	NM_004238	TRIP12
A_24_P128308	1,4456	1,4852	-1,027828812	ENST00000469435	1316	FW339972	KLF6

A_21_P0000495	13,2485	13,2881	-1,027828812	ENST00000594728	692158	NR_004390	SNORA57
A_33_P3283828	7,00753	7,04718	-1,027864435	ENST00000389176	645811	NM_001143980	CCDC154
A_32_P13795	7,37321	7,41287	-1,02787156	ENST00000264711	51277	NM_016544	DNAJC27
A_22_P00015487	6,72912	6,76879	-1,027878684	ENST00000508572	N/A	N/A	N/A
A_32_P14894	16,7596	16,7993	-1,027900059	ENST00000408001	6204	NM_001014	RPS10
A_33_P3384078	1,36533	1,40508	-1,027935684	ENST00000355283	221264	AK131244	AK9
A_21_P0011775	1,40716	1,44692	-1,027942809	N/A	N/A	N/A	Inc-ZNF681-2
A_23_P61524	8,79916	8,83893	-1,027949934	ENST00000321895	64925	NM_022903	CCDC71
A_22_P00018520	1,36852	1,40829	-1,027949934	ENST00000543404	3	NR_040112	A2MP1
A_23_P416112	6,19028	6,23006	-1,027957059	ENST00000437070	165918	NM_152617	RNF168
A_22_P00009732	2,65751	2,69733	-1,027985561	N/A	N/A	N/A	Inc-MCU-1
A_22_P00017793	6,63451	6,67441	-1,028042566	ENST00000503469	N/A	AK056982	N/A
A_23_P253321	1,44228	1,48221	-1,028063943	ENST00000301908	5368	NM_006228	PNOC
A_24_P350576	5,77925	5,81921	-1,028085322	ENST00000436636	23043	NM_015028	TNIK
A_22_P00001779	1,36263	1,40259	-1,028085322	N/A	N/A	N/A	Inc-ATP1B3-3
A_33_P3357979	9,22334	9,26336	-1,028128079	ENST00000514596	1487	NM_001012614	CTBP1
A_24_P288890	1,42029	1,46031	-1,028128079	ENST00000324038	144347	NM_181709	FAM101A
A_33_P3404411	11,1188	11,1589	-1,028185093	ENST00000382172	4285	NM_005932	MIPEP
A_22_P00003829	1,42145	1,46155	-1,028185093	ENST00000563079	102723873	N/A	LOC102723873
A_23_P368101	10,4828	10,5229	-1,028185093	ENST00000520159	79685	NM_024632	SAP30L
A_33_P3244283	9,4011	9,44123	-1,028206473	ENST00000296238	94032	NM_033259	CAMK2N2
A_24_P272967	8,46831	8,50844	-1,028206473	ENST00000409301	23080	NM_015060	AVL9
A_23_P135132	1,36165	1,40181	-1,028227854	ENST00000431299	257019	NM_174938	FRMD3
A_23_P338325	7,47162	7,5118	-1,028242109	ENST00000549985	2004	XM_006719275	ELK3
A_33_P3266285	1,42149	1,46171	-1,028270618	ENST00000438700	374308	NM_001034842	PTCHD3
A_22_P00000555	5,35744	5,39768	-1,028284873	ENST00000520259	101926892	NR_110653	LOC101926892
A_21_P0012423	2,08326	2,12351	-1,028292001	N/A	N/A	N/A	XLOC_I2_010056
A_32_P121303	10,0596	10,0999	-1,028327639	ENST00000347635	10762	NM_007172	NUP50
A_21_P0004220	2,54669	2,587	-1,028334767	N/A	102724943	XR_425835	LOC102724943
A_24_P286054	8,52424	8,56455	-1,028334767	ENST00000512907	9765	NM_001105251	ZFYVE16
A_33_P3338798	1,37932	1,4197	-1,028384663	ENST00000524136	442388	XR_108906	SDR16C6P
A_21_P0014583	8,17505	8,21544	-1,028391792	N/A	100507033	XR_110380	LOC100507033
A_22_P00006375	2,36429	2,4047	-1,028406048	N/A	N/A	N/A	Inc-FBN1-1



A_33_P3282261	5,53072	5,57113	-1,028406048	N/A	N/A	N/A	XLOC_I2_000001
A_23_P371410	6,35461	6,39503	-1,028413177	ENST00000370680	5567	NM_207578	PRKACB
A_21_P0012696	1,4377	1,47812	-1,028413177	N/A	N/A	N/A	XLOC_I2_011361
A_24_P942250	9,53244	9,57287	-1,028420305	ENST00000564845	80205	NM_025134	CHD9
A_22_P00004155	1,76456	1,80502	-1,028441691	ENST00000420905	400002	XR_253017	FLJ46363
A_21_P0005821	1,69329	1,73376	-1,028448819	N/A	N/A	N/A	Inc-C8orf86-1
A_22_P00017046	1,58278	1,62326	-1,028455948	ENST00000517829	102725286	XR_426321	LOC102725286
A_33_P3217153	5,01829	5,05879	-1,028470206	ENST00000393127	2893	NM_001077243	GRIA4
A_22_P00014870	6,31209	6,3526	-1,028477334	N/A	574538	NR_033859	LOC574538
A_23_P101972	4,66667	4,70718	-1,028477334	ENST00000295055	92291	NM_144575	CAPN13
A_33_P3297655	1,36102	1,40156	-1,028498721	N/A	N/A	N/A	N/A
A_33_P3421144	1,35971	1,4003	-1,028534367	N/A	N/A	N/A	N/A
A_23_P25030	5,23996	5,2806	-1,028570014	ENST00000554150	8630	NM_003725	HSD17B6
A_23_P70102	1,43303	1,47369	-1,028584273	ENST00000335244	153201	NM_181776	SLC36A2
A_23_P325661	9,47927	9,51994	-1,028591402	ENST00000622676	7693	NM_003435	ZNF134
A_24_P42557	1,44039	1,48107	-1,028598532	ENST00000342443	7253	NM_001018036	TSHR
A_24_P286527	8,16851	8,2092	-1,028605662	ENST00000422177	64792	NM_022777	IFT22
A_33_P3213103	1,41856	1,4593	-1,028641311	ENST00000400404	652991	NM_001037802	SKOR2
A_21_P0006487	1,4433	1,48406	-1,028655571	N/A	N/A	N/A	Inc-CXorf30-1
A_21_P0009310	1,39685	1,43764	-1,028676962	N/A	N/A	N/A	Inc-C17orf79-1
A_21_P0006283	1,42316	1,46396	-1,028684092	ENST00000566873	101927450	NR_109771	LOC101927450
A_22_P00002147	1,39513	1,43595	-1,028698353	N/A	N/A	AK128192	Inc-BRD1-3
A_22_P00021881	1,38978	1,43063	-1,028719744	ENST00000430545	N/A	BG432982	N/A
A_33_P3215883	1,38315	1,42402	-1,028734005	ENST00000282397	2321	NM_002019	FLT1
A_24_P412156	1,7113	1,75225	-1,028791052	ENST00000374429	6387	NM_000609	CXCL12
A_21_P0007650	1,41504	1,45611	-1,028876628	N/A	N/A	N/A	Inc-FAM101A-2
A_22_P00008950	1,39302	1,4341	-1,02888376	ENST00000565564	N/A	AY063454	N/A
A_33_P3268288	1,41964	1,46073	-1,028890891	N/A	N/A	N/A	Inc-SFTA2-3
A_23_P17204	12,2934	12,3345	-1,028898023	ENST00000462785	64682	NM_022662	ANAPC1
A_24_P341923	3,63688	3,67798	-1,028898023	ENST00000587884	57724	NM_020964	EPG5
A_33_P3262475	1,50054	1,54166	-1,028912287	ENST00000474333	387923	N/A	SERP2
A_23_P408167	6,71324	6,75438	-1,028926551	ENST00000543253	114928	NM_001004051	GPRASP2
A_21_P0005525	1,36739	1,40856	-1,028947947	N/A	N/A	N/A	Inc-TSPAN12-2

A_33_P3816266	7,21889	7,26007	-1,028955079	N/A	91548	XR_247053	LOC91548
A_23_P323823	1,35748	1,39867	-1,028962211	ENST00000274764	255626	NM_170610	HIST1H2BA
A_22_P00008219	6,97304	7,01423	-1,028962211	ENST00000448129	N/A	N/A	N/A
A_23_P66827	6,0516	6,09282	-1,028983608	ENST00000392176	80039	NR_026809	FAM106A
A_24_P58501	1,73201	1,77327	-1,029012138	ENST00000618231	26682	NM_001004195	OR4F4
A_21_P0000212	7,52609	7,56742	-1,029062067	ENST00000600238	26780	NR_000012	SNORA68
A_24_P344416	7,11342	7,15476	-1,0290692	ENST00000434452	1825	NM_024423	DSC3
A_21_P0011446	5,94084	5,9822	-1,029083466	ENST00000565194	N/A	N/A	N/A
A_21_P0000360	7,54076	7,58213	-1,029090599	N/A	677843	NR_003019	SNORA77
A_24_P405981	4,91651	4,9579	-1,029104866	N/A	23548	NM_012382	TTC33
A_24_P7750	9,78294	9,82436	-1,029126265	ENST00000515599	N/A	N/A	N/A
A_33_P3310620	1,44112	1,48255	-1,029133399	N/A	N/A	N/A	XLOC_I2_005197
A_21_P0008129	1,73103	1,77247	-1,029140532	N/A	N/A	N/A	lnc-EFHA1-1
A_33_P3393460	1,36274	1,40418	-1,029140532	N/A	391343	XR_249068	LOC391343
A_23_P153878	1,44193	1,48339	-1,029154799	ENST00000215530	27006	NM_020637	FGF22
A_23_P119617	10,0878	10,1293	-1,029183334	ENST00000592188	57794	NM_172231	SUGP1
A_33_P3269879	7,05332	7,09483	-1,029190468	ENST00000523633	64760	NM_022749	FAM160B2
A_32_P320835	1,42027	1,46183	-1,029226137	ENST00000592718	100652929	NR_109783	HP09025
A_33_P3363725	1,44142	1,48301	-1,02924754	ENST00000317093	390075	NM_001001922	OR52N5
A_24_P61753	10,06	10,1016	-1,029254674	ENST00000570628	23277	NM_015229	CLUH
A_32_P70724	11,4926	11,5342	-1,029254674	ENST00000367264	10765	NM_006618	KDM5B
A_22_P00018916	1,35812	1,39974	-1,029268942	N/A	N/A	N/A	lnc-FOXB1-5
A_22_P00012219	1,36233	1,40398	-1,029290346	N/A	N/A	N/A	lnc-PPDPF-2
A_22_P00019197	1,36021	1,40189	-1,029311749	N/A	N/A	N/A	lnc-FAM26E-1
A_21_P0008057	1,43585	1,47757	-1,029340288	N/A	N/A	N/A	lnc-TNFSF11-1
A_22_P00003598	1,41767	1,45941	-1,029354558	N/A	N/A	N/A	lnc-CD226-1
A_22_P00008444	1,36147	1,40322	-1,029361693	ENST00000444319	100188949	NR_024464	LINC00426
A_33_P3372281	9,4837	9,52547	-1,029375963	ENST00000274747	57380	NM_001286265	MRS2
A_24_P380567	1,40503	1,44683	-1,029397369	ENST00000431984	83698	NM_031468	CALN1
A_22_P00023949	7,75727	7,79909	-1,029411639	N/A	100874089	NR_046645	RUVBL1-AS1
A_22_P00002274	5,05491	5,09674	-1,029418775	N/A	N/A	BG484339	lnc-C10orf31-5
A_22_P00018027	1,42366	1,46549	-1,029418775	N/A	728805	XR_244198	LOC728805
A_22_P00018405	1,44018	1,48202	-1,02942591	N/A	101929680	NR_110260	LOC101929680

A_33_P3220857	6,16783	6,20969	-1,029440181	ENST00000376340	84267	XM_005252271	C9orf64
A_22_P00004856	1,42863	1,47051	-1,029454452	N/A	N/A	N/A	Inc-CYP3A43-2
A_22_P00017751	6,63845	6,68038	-1,029490131	N/A	N/A	N/A	Inc-YIF1A-3
A_24_P944299	9,81553	9,8575	-1,029518675	ENST00000366766	8476	NM_003607	CDC42BPA
A_33_P3299796	6,42811	6,47009	-1,029525811	ENST00000536349	11253	XM_006717353	MAN1B1
A_33_P3301559	9,88212	9,92411	-1,029532947	ENST00000572600	23059	NM_015041	CLUAP1
A_22_P00003496	2,00866	2,05065	-1,029532947	ENST00000414740	101928354	XR_241980	LOC101928354
A_24_P374675	3,08957	3,13159	-1,029554356	ENST00000566707	64718	NM_001037125	UNKL
A_33_P3316683	4,54686	4,58892	-1,029582902	ENST00000466252	90203	NM_152897	SNX21
A_23_P23114	10,7376	10,7797	-1,029611448	ENST00000344035	8073	NM_080391	PTP4A2
A_24_P921366	12,2251	12,2672	-1,029611448	ENST00000443197	800	NM_033138	CALD1
A_33_P3372659	1,44006	1,48219	-1,029632859	N/A	N/A	N/A	N/A
A_21_P0004759	1,42935	1,4715	-1,029647132	ENST00000445346	101928280	NR_125854	LOC101928280
A_22_P00002248	6,56682	6,60899	-1,029661406	ENST00000525909	399821	NR_033847	FLJ37035
A_21_P0013828	1,42024	1,46242	-1,029668544	ENST00000445747	N/A	N/A	N/A
A_33_P3339446	1,35941	1,40161	-1,029682818	N/A	N/A	N/A	N/A
A_21_P0013538	1,3796	1,42183	-1,02970423	ENST00000519063	255926	NR_001448	ADAM5
A_22_P00023553	3,04809	3,09035	-1,029725642	N/A	N/A	N/A	Inc-RNF11-1
A_33_P3216933	5,85437	5,89673	-1,02979702	ENST00000304987	23235	NM_015191	SIK2
A_33_P3399765	7,51474	7,55711	-1,029804158	N/A	N/A	N/A	N/A
A_22_P00015243	3,64854	3,69091	-1,029804158	N/A	N/A	N/A	Inc-SPAG1-3
A_33_P3251776	8,20578	8,24816	-1,029811296	ENST00000262520	80270	NM_001142777	HSD3B7
A_21_P0010633	6,7821	6,8245	-1,029825572	ENST00000414374	101928079	NR_104131	LINC01057
A_21_P0003394	1,36201	1,40441	-1,029825572	ENST00000448824	N/A	N/A	N/A
A_23_P320261	14,9172	14,9596	-1,029825572	ENST00000467532	93099	NM_001035516	DMKN
A_23_P139864	1,39883	1,44125	-1,029839849	ENST00000351606	83445	NM_031289	GSG1
A_23_P94517	1,70037	1,74283	-1,029868402	ENST00000265922	1620	NM_014618	BRINP1
A_21_P0004492	1,4181	1,46062	-1,029911234	N/A	N/A	N/A	Inc-BASP1-3
A_23_P18913	1,43674	1,47926	-1,029911234	ENST00000328275	285659	NM_206880	OR2V2
A_33_P3375899	2,00611	2,04864	-1,029918373	N/A	N/A	N/A	N/A
A_21_P0002719	1,3578	1,40036	-1,02993979	ENST00000435560	101928739	NR_125401	LOC101928739
A_32_P123629	10,4735	10,5161	-1,029968346	N/A	125488	NM_001292030	TTC39C
A_22_P00011733	5,63067	5,67327	-1,029968346	N/A	N/A	AF086279	Inc-PELI2-5

A_22_P00020062	3,13435	3,17698	-1,029989764	N/A	N/A	AL705479	Inc-OR3A1-1
A_33_P3295932	2,12291	2,16554	-1,029989764	N/A	N/A	N/A	N/A
A_33_P3277096	4,40741	4,45006	-1,030004043	ENST00000383417	N/A	AJ315539	N/A
A_33_P3317058	1,67482	1,71748	-1,030011182	ENST00000426455	10734	NM_001282717	STAG3
A_21_P0009097	3,89846	3,94112	-1,030011182	ENST00000567137	653550	NR_110914	TP53TG3C
A_24_P237804	1,37108	1,41378	-1,030039741	ENST00000615053	317754	NM_174981	POTED
A_33_P3315899	10,1847	10,2274	-1,030039741	N/A	N/A	N/A	N/A
A_24_P300777	15,0447	15,0874	-1,030039741	ENST00000445355	101	NM_001109	ADAM8
A_33_P3214782	3,73038	3,7731	-1,03005402	N/A	N/A	N/A	N/A
A_23_P259292	4,13469	4,17744	-1,03007544	ENST00000530681	114902	NM_015645	C1QTNF5
A_33_P3304157	1,72004	1,76279	-1,03007544	ENST00000620364	1310	NM_001858	COL19A1
A_23_P20172	1,41468	1,45746	-1,03009686	ENST00000304402	2845	NM_005295	GPR22
A_21_P0006661	1,85592	1,89871	-1,030104	N/A	101929052	N/A	LINC00836
A_22_P00006793	1,39005	1,43287	-1,03012542	N/A	N/A	BQ232667	Inc-G2E3-2
A_32_P76137	1,43145	1,47431	-1,030153982	ENST00000390256	N/A	AJ697910	N/A
A_21_P0007048	1,4392	1,48208	-1,030168263	N/A	N/A	N/A	Inc-PLXDC2-1
A_23_P360167	13,3841	13,427	-1,030182544	ENST00000550201	10540	NM_006400	DCTN2
A_22_P00007957	1,73433	1,77723	-1,030182544	N/A	N/A	N/A	Inc-ICOSLG-2
A_23_P109026	10,258	10,3009	-1,030182544	ENST00000372861	60598	NM_022358	KCNK15
A_33_P3308534	7,1871	7,23009	-1,030246812	ENST00000582350	114876	NM_080597	OSBPL1A
A_24_P414952	8,7828	8,82579	-1,030246812	ENST00000312814	64418	NM_022484	TMEM168
A_32_P9543	1,43672	1,47972	-1,030253954	ENST00000402255	200315	NM_145699	APOBEC3A
A_23_P45389	12,3104	12,3534	-1,030253954	ENST00000243325	9367	NM_004251	RAB9A
A_21_P0000264	6,70962	6,75265	-1,030275377	N/A	619498	NR_002579	SNORD74
A_24_P135193	4,721	4,7641	-1,030325368	ENST00000540917	55293	NM_018314	UEVLD
A_22_P00023629	1,37306	1,41619	-1,030346793	ENST00000523195	157693	NR_103537	FAM87A
A_22_P00004692	6,57353	6,61671	-1,030382503	N/A	N/A	AK126743	Inc-CTD-2517M22.14.1-
A_22_P00003242	6,48904	6,53224	-1,030396787	ENST00000494340	N/A	BC031255	N/A
A_23_P92082	16,7164	16,7596	-1,030396787	ENST00000469678	7086	NM_001064	TKT
A_23_P48535	10,0618	10,105	-1,030396787	ENST00000539826	394	NM_001030055	ARHGAP5
A_24_P285623	11,9973	12,0405	-1,030396787	ENST00000462685	1716	NM_080916	DGUOK
A_33_P3262890	16,4732	16,5164	-1,030396787	ENST00000416785	N/A	N/A	N/A
A_21_P0001548	1,43697	1,48018	-1,030403929	N/A	N/A	N/A	Inc-TGFBR3-1

A_22_P00006505	1,41739	1,46065	-1,030439641	ENST00000611481	100506622	NR_103810	LINC00540
A_24_P697685	1,41859	1,46186	-1,030446783	ENST00000389567	83850	NM_031913	ESYT3
A_21_P0004857	1,38183	1,4251	-1,030446783	N/A	N/A	N/A	Inc-BTN3A2-1
A_22_P00011345	1,36372	1,40699	-1,030446783	N/A	N/A	N/A	Inc-OTUD6B-1
A_23_P58293	11,0724	11,1157	-1,030468211	ENST00000505307	7323	NM_181886	UBE2D3
A_21_P0009451	1,39477	1,43807	-1,030468211	N/A	N/A	N/A	Inc-NDUFV2-1
A_23_P345707	8,34175	8,3851	-1,030503925	ENST00000268138	90381	NM_152259	TICRR
A_21_P0002708	1,36804	1,41142	-1,030525354	ENST00000462531	101928190	NR_125399	LINC01487
A_33_P3363893	1,4758	1,51919	-1,030532497	N/A	N/A	N/A	N/A
A_22_P00010013	10,5462	10,5896	-1,03053964	N/A	N/A	BX094640	Inc-MME-4
A_21_P0005796	1,36094	1,40435	-1,030546783	N/A	N/A	N/A	Inc-PPP1R3B-2
A_22_P00010614	1,40536	1,44878	-1,030553927	N/A	N/A	N/A	Inc-NDUFB4-2
A_21_P0010433	1,43272	1,47614	-1,030553927	N/A	101929416	N/A	LOC101929416
A_33_P3343996	6,46511	6,50853	-1,030553927	ENST00000430278	64327	NM_022458	LMBR1
A_24_P306824	1,41117	1,45462	-1,030575357	ENST00000320542	619373	NM_001100916	MBOAT4
A_21_P0010298	2,58003	2,62351	-1,030596787	N/A	N/A	N/A	Inc-ICOSLG-4
A_24_P161581	6,29243	6,33596	-1,030632505	ENST00000376325	729956	NM_001145176	SHISA7
A_21_P0010517	2,88543	2,92898	-1,030646793	ENST00000490966	4485	N/A	MST1
A_21_P0007338	1,82152	1,86508	-1,030653937	ENST00000532428	51074	N/A	APIP
A_32_P101352	3,35388	3,3975	-1,030696802	ENST00000374251	158830	NM_001025265	CXorf65
A_33_P3375299	3,01414	3,05782	-1,030739668	ENST00000404289	N/A	BF244550	N/A
A_33_P3386581	10,0929	10,1366	-1,030753957	ENST00000285243	91369	NM_052855	ANKRD40
A_23_P17307	11,6664	11,7101	-1,030753957	ENST00000370487	55257	NM_018270	MRGBP
A_23_P108294	11,5979	11,6416	-1,030753957	ENST00000621795	8612	NM_177543	PPAP2C
A_23_P259054	12,0336	12,0773	-1,030753957	ENST00000503491	57231	NM_153816	SNX14
A_22_P00010638	3,58486	3,62859	-1,030775391	ENST00000457898	N/A	AK097742	N/A
A_21_P0009511	1,43451	1,47825	-1,030782536	ENST00000572608	102723363	XR_424076	LOC102723363
A_21_P0008012	1,43653	1,48028	-1,030789681	ENST00000435401	100874139	N/A	LINC00353
A_21_P0003795	1,37361	1,41736	-1,030789681	ENST00000508977	N/A	N/A	N/A
A_33_P3410889	1,4049	1,44866	-1,030796826	ENST00000398721	403339	NM_001166478	DEFB133
A_22_P00024771	2,12841	2,17218	-1,030803971	N/A	N/A	N/A	Inc-RGPD3-2
A_24_P565556	7,21712	7,2609	-1,030811116	ENST00000262374	56052	N/A	ALG1
A_23_P147296	10,9083	10,9521	-1,030825406	ENST00000462320	27247	NM_015700	NFU1

A_23_P128828	13,9764	14,0202	-1,030825406	ENST00000554062	8106	NM_004643	PABPN1
A_33_P3306018	1,7088	1,75261	-1,030832551	N/A	N/A	AK127893	N/A
A_33_P3392867	1,41213	1,45596	-1,030846842	ENST00000621010	5470	NM_006239	PPEF2
A_22_P00023014	8,74614	8,79007	-1,030918297	N/A	N/A	N/A	Inc-MFSD9-4
A_33_P3409567	1,36337	1,40731	-1,030925443	ENST00000509713	102724735	N/A	LOC102724735
A_22_P00004187	1,41272	1,45667	-1,030932589	N/A	N/A	N/A	Inc-CLK4-1
A_23_P403991	1,35902	1,40301	-1,030961173	ENST00000324695	79054	NM_024080	TRPM8
A_33_P3391375	9,14358	9,18758	-1,030968319	ENST00000378619	347404	NM_198511	LANCL3
A_33_P3311041	2,55942	2,60345	-1,030989757	N/A	6461	AK096227	SHB
A_24_P48248	6,53674	6,5808	-1,031011196	ENST00000588073	78995	NM_024032	C17orf53
A_33_P3225572	10,71	10,7541	-1,031039783	N/A	N/A	N/A	N/A
A_22_P00010999	3,75701	3,80111	-1,031039783	N/A	N/A	N/A	Inc-NSG1.1-1
A_33_P3408632	6,81476	6,85886	-1,031039783	ENST00000514938	91289	NM_033200	LMF2
A_21_P0002804	2,71961	2,76378	-1,03108981	ENST00000468232	N/A	N/A	N/A
A_32_P141418	1,40992	1,45411	-1,031104104	ENST00000467083	55130	NM_018076	ARMC4
A_23_P128372	11,5728	11,617	-1,031111251	ENST00000001008	2288	NM_002014	FKBP4
A_33_P3230698	1,76563	1,80988	-1,031146987	ENST00000498729	547	NM_001244008	KIF1A
A_21_P0004625	3,31929	3,36367	-1,031239907	ENST00000437718	N/A	N/A	N/A
A_33_P3210800	1,41356	1,45794	-1,031239907	N/A	N/A	N/A	Inc-GNG11-2
A_33_P3323929	3,52409	3,56848	-1,031247055	N/A	399819	AK097855	FLJ40536
A_21_P0008138	1,41456	1,45895	-1,031247055	N/A	N/A	N/A	Inc-KATNAL1-3
A_33_P3370222	1,41442	1,45884	-1,0312685	N/A	N/A	N/A	N/A
A_23_P250122	6,83453	6,87898	-1,031289945	ENST00000313766	56975	NM_020223	FAM20C
A_21_P0013884	1,53777	1,58223	-1,031297093	ENST00000437359	N/A	N/A	N/A
A_23_P112135	12,9131	12,9576	-1,031325687	ENST00000262213	23471	NM_014294	TRAM1
A_19_P00315541	1,41898	1,46349	-1,031332836	ENST00000606706	100507428	NR_108063	LINC00458
A_21_P0012114	4,77644	4,82099	-1,031361431	ENST00000431580	N/A	N/A	N/A
A_23_P24004	11,9235	11,9681	-1,031397176	ENST00000611722	3433	NM_001547	IFIT2
A_24_P391104	10,2751	10,3197	-1,031397176	ENST00000254325	5989	NM_002918	RFX1
A_23_P25204	16,1867	16,2313	-1,031397176	ENST00000549338	5250	NM_213611	SLC25A3
A_23_P158118	1,41189	1,45651	-1,031411474	ENST00000511190	83844	NM_031907	USP26
A_23_P159851	1,43356	1,47819	-1,031418623	ENST00000298085	84889	NM_032803	SLC7A3
A_21_P0000785	7,01666	7,06133	-1,031447221	N/A	100628315	NR_038397	DNM3OS

A_24_P222872	13,0635	13,1082	-1,031468669	ENST00000446481	54578	NM_001072	UGT1A6
A_23_P131096	11,092	11,1368	-1,031540168	ENST00000589961	5442	NM_005035	POLRMT
A_33_P3352349	8,80886	8,85367	-1,031547318	ENST00000398470	728318	NM_001190460	KRTAP9-1
A_22_P00020469	8,46684	8,51166	-1,031554468	N/A	N/A	N/A	Inc-OLFML2A-1
A_22_P00002358	2,11932	2,16415	-1,031561618	ENST00000548415	N/A	BI769462	N/A
A_22_P00013937	5,9683	6,01316	-1,031583069	ENST00000438837	8566	AK056502	PDXK
A_21_P0013790	1,40808	1,45295	-1,031590219	N/A	N/A	N/A	XLOC_I2_015596
A_23_P32938	10,9388	10,9837	-1,031611671	ENST00000322536	1662	NM_004398	DDX10
A_33_P3254460	13,2112	13,2561	-1,031611671	ENST00000357338	65989	NM_206539	DLK2
A_22_P00014760	2,13507	2,18003	-1,031654575	ENST00000450325	N/A	N/A	N/A
A_33_P3286218	8,21372	8,2587	-1,031668877	N/A	79469	NR_002771	DLEU2L
A_22_P00010431	5,26835	5,31335	-1,031683179	N/A	N/A	N/A	Inc-N4BP2-1
A_23_P315602	1,41365	1,45866	-1,03169033	ENST00000417925	10777	NM_016300	ARPP21
A_33_P3292478	8,9032	8,94825	-1,031718935	ENST00000621559	6360	XM_006725334	CCL16
A_33_P3215166	1,43206	1,47711	-1,031718935	ENST00000443577	N/A	N/A	N/A
A_21_P0006136	2,22946	2,27455	-1,031747541	N/A	N/A	N/A	Inc-TMEM215-1
A_22_P00002428	1,38379	1,4289	-1,031761844	N/A	N/A	N/A	Inc-C14orf28-1
A_33_P3258997	7,37224	7,41738	-1,031783299	ENST00000372936	79979	NM_024917	TRMT2B
A_21_P0004491	1,41191	1,4571	-1,031819059	N/A	N/A	N/A	Inc-BASP1-3
A_23_P342091	12,0681	12,1133	-1,031826211	ENST00000424266	221443	NM_145063	OARD1
A_24_P579356	1,3632	1,40841	-1,031833363	ENST00000314319	79822	NM_001010000	ARHGAP28
A_21_P0011575	1,41376	1,45897	-1,031833363	N/A	N/A	N/A	XLOC_I2_006013
A_33_P3715843	1,35967	1,4049	-1,031847667	N/A	348035	BC032242	MGC40069
A_33_P3336262	4,75634	4,80164	-1,031897734	ENST00000412120	85452	XM_006710997	CFAP74
A_23_P129425	1,40313	1,44843	-1,031897734	ENST00000466164	55815	NM_018430	TSNAXIP1
A_23_P251945	11,4089	11,4542	-1,031897734	ENST00000424236	51164	NM_016221	DCTN4
A_23_P67312	7,65833	7,70368	-1,031933498	ENST00000464860	7695	NM_003437	ZNF136
A_24_P367496	2,96097	3,00632	-1,031933498	ENST00000580955	1394	AK124894	CRHR1
A_33_P3256760	1,43286	1,47821	-1,031933498	N/A	404266	NR_033201	HOXB-AS3
A_22_P00023966	1,36948	1,41483	-1,031933498	N/A	N/A	N/A	Inc-LEPRE1-1
A_23_P69683	9,28089	9,32624	-1,031933498	ENST00000265175	10427	NM_006323	SEC24B
A_21_P0011051	3,97039	4,01575	-1,03194065	ENST00000551082	N/A	N/A	N/A
A_21_P0001853	1,36509	1,41046	-1,031947803	ENST00000431712	N/A	N/A	N/A

A_32_P199767	5,32629	5,37168	-1,031962109	ENST00000409324	57232	NM_001037735	ZNF630
A_21_P0007096	1,587	1,63239	-1,031962109	N/A	N/A	N/A	Inc-C10orf31-10
A_33_P3294053	10,5422	10,5876	-1,031969262	ENST00000393537	51239	NM_016466	ANKRD39
A_23_P98963	10,1884	10,2338	-1,031969262	ENST00000261900	904	NM_001277842	CCNT1
A_22_P00016508	4,83655	4,88196	-1,031976415	ENST00000432412	N/A	BF678696	N/A
A_33_P3400239	1,43113	1,47655	-1,031983569	N/A	79953	XM_006723626	SYNDIG1
A_33_P3248765	9,09676	9,14218	-1,031983569	ENST00000367254	51094	NM_001290557	ADIPOR1
A_22_P00024748	1,43259	1,47805	-1,032012182	ENST00000568036	N/A	N/A	N/A
A_22_P00005425	1,42373	1,46919	-1,032012182	N/A	N/A	N/A	Inc-DTWD2-1
A_23_P369994	1,41245	1,45792	-1,032019335	ENST00000255448	9201	NM_004734	DCLK1
A_21_P0007399	1,72122	1,7667	-1,032026488	N/A	N/A	N/A	Inc-C11orf92-1
A_21_P0006596	1,35877	1,40426	-1,032033642	ENST00000417910	101929148	N/A	LOC101929148
A_33_P3257944	10,5176	10,5631	-1,032040795	ENST00000443413	N/A	N/A	N/A
A_21_P0010487	1,41053	1,45605	-1,032055103	ENST00000616018	102724558	NR_120328	LOC102724558
A_24_P461238	1,40967	1,45524	-1,032090872	ENST00000411989	400866	NR_027066	LINC00114
A_22_P00014309	1,41322	1,45882	-1,032112334	N/A	N/A	N/A	Inc-SERPINA4-1
A_33_P3237944	6,42758	6,4732	-1,032126642	ENST00000394061	9179	NM_004722	AP4M1
A_19_P00813593	7,80146	7,84709	-1,032133796	ENST00000295549	375295	NR_040001	LINC01116
A_21_P0002959	1,43215	1,4778	-1,032148104	N/A	N/A	N/A	Inc-ARIH2-1
A_33_P3253476	1,43183	1,47749	-1,032155259	ENST00000619932	101929780	NR_104217	NBPF25P
A_19_P00322357	7,5118	7,55747	-1,032162413	ENST00000574526	101928738	NR_110851	LOC101928738
A_24_P239419	2,60801	2,65369	-1,032169568	ENST00000450221	7957	NM_001018041	EPM2A
A_21_P0002730	10,5932	10,6389	-1,032183877	ENST00000425195	102725370	XR_425587	LOC102725370
A_32_P113436	11,6181	11,6638	-1,032183877	ENST00000565308	144983	NM_001011724	HNRNPA1L2
A_21_P0008715	3,65702	3,70279	-1,03223396	N/A	N/A	N/A	Inc-GABRB3-1
A_33_P3503279	3,28262	3,32839	-1,03223396	N/A	N/A	N/A	N/A
A_21_P0012321	1,40689	1,45271	-1,032269735	ENST00000457193	101929374	XR_244410	LOC101929374
A_32_P124746	4,42707	4,47291	-1,032284045	ENST00000605984	N/A	BC009638	N/A
A_21_P0009891	1,80078	1,84664	-1,032298356	ENST00000452395	100505683	N/A	LINC01431
A_21_P0007302	3,6852	3,73115	-1,032362756	ENST00000529070	100128239	N/A	LOC100128239
A_33_P3276519	8,97286	9,01882	-1,032369912	ENST00000566653	64223	NM_022372	MLST8
A_33_P3309999	5,60527	5,65124	-1,032377068	ENST00000360028	340578	NM_001013628	DCAF12L2
A_21_P0008670	4,94055	4,98656	-1,032405692	ENST00000536780	254559	NR_015411	LINC00925



A_22_P00006472	2,64287	2,6889	-1,032420004	N/A	101926911	NR_110104	LOC101926911
A_33_P3393996	1,42504	1,47111	-1,032448629	ENST00000431137	N/A	N/A	N/A
A_23_P139575	15,0125	15,0586	-1,032470098	ENST00000429243	54458	NM_001005354	PRR13
A_21_P0012293	1,3998	1,44591	-1,032477255	N/A	N/A	N/A	XLOC_I2_009493
A_22_P00018178	6,17188	6,21801	-1,032491568	ENST00000502275	N/A	N/A	N/A
A_21_P0005464	3,99474	4,0409	-1,032513038	N/A	N/A	N/A	Inc-FTSJ2-1
A_24_P331779	1,69661	1,74278	-1,032520195	ENST00000368581	345895	NM_001010892	RSPH4A
A_23_P421011	9,41249	9,45867	-1,032527352	ENST00000370200	81621	NM_030929	KAZALD1
A_21_P0014139	1,42564	1,47183	-1,032534509	ENST00000507837	4552	N/A	MTRR
A_23_P169576	10,4038	10,45	-1,032541666	ENST00000260762	54536	NM_019053	EXOC6
A_24_P216765	13,2856	13,3318	-1,032541666	ENST00000467767	9804	NM_014765	TOMM20
A_21_P0004218	1,41306	1,45926	-1,032541666	N/A	N/A	N/A	Inc-KIAA0947-1
A_21_P0007670	1,76197	1,80821	-1,032570295	ENST00000535487	N/A	N/A	N/A
A_21_P0013608	5,05595	5,1022	-1,032577452	N/A	101928483	XR_252671	LINC01573
A_21_P0012880	7,01182	7,05812	-1,032613239	ENST00000493082	65980	N/A	BRD9
A_33_P3334015	3,50378	3,55011	-1,032634712	ENST00000611551	256302	NM_152914	NATD1
A_33_P3250133	7,97505	8,02142	-1,032663343	ENST00000359236	54621	NM_019086	VSIG10
A_33_P3424222	5,92707	5,97347	-1,032684817	ENST00000484729	3119	NM_002123	HLA-DQB1
A_21_P0000130	8,66006	8,70649	-1,032706291	N/A	100289187	NM_001195541	GS1-259H13.2
A_33_P3211854	1,35786	1,4043	-1,032713449	N/A	N/A	N/A	N/A
A_21_P0010223	1,4114	1,45786	-1,032727766	N/A	N/A	N/A	Inc-NCAM2-7
A_21_P0004662	1,72286	1,76933	-1,032734924	N/A	N/A	N/A	Inc-SH3BGRL2-3
A_33_P3263851	5,74695	5,79347	-1,032770717	N/A	400863	N/A	LOC400863
A_21_P0009919	1,41042	1,45694	-1,032770717	ENST00000441277	N/A	N/A	N/A
A_21_P0008918	3,86627	3,91283	-1,032799352	N/A	N/A	N/A	Inc-IL4R-2
A_22_P00017365	5,41476	5,46132	-1,032799352	ENST00000510059	N/A	N/A	N/A
A_23_P33465	11,682	11,7286	-1,032827987	ENST00000487969	79174	NM_024324	CRELD2
A_33_P3257817	13,2753	13,3219	-1,032827987	N/A	102723701	NR_125821	LOC102723701
A_22_P00014684	1,40129	1,44791	-1,032842305	N/A	N/A	N/A	Inc-SLC25A2-4
A_22_P00002218	1,35893	1,40557	-1,032856624	ENST00000417465	N/A	N/A	N/A
A_19_P00319509	1,69521	1,74187	-1,032870942	ENST00000475886	285401	NR_027104	LINC00698
A_33_P3236382	1,40423	1,4509	-1,032878102	ENST00000290378	70	NM_005159	ACTC1
A_22_P00014771	5,95751	6,00419	-1,032885261	N/A	N/A	DB164272	Inc-SLC36A4-1

A_33_P3221788	12,0418	12,0885	-1,03289958	ENST00000244040	57403	NM_020673	RAB22A
A_23_P90612	12,1137	12,1604	-1,03289958	ENST00000264156	4175	NM_005915	MCM6
A_21_P0005921	1,42616	1,47287	-1,032906739	N/A	N/A	N/A	Inc-DLGAP2-2
A_33_P3391736	1,38533	1,43206	-1,032921059	N/A	N/A	BM918748	Inc-ZCCHC7-3
A_22_P00012044	4,50615	4,55292	-1,032949698	ENST00000517655	100616530	N/A	C8orf37-AS1
A_22_P00004836	1,52054	1,56731	-1,032949698	N/A	N/A	BE550536	Inc-CYB5D2-2
A_33_P3350621	1,38683	1,43361	-1,032956858	ENST00000409559	25927	NM_001111101	CNRIP1
A_22_P00002039	7,78161	7,82843	-1,032985498	N/A	100506451	NR_038227	RASSF8-AS1
A_33_P3391295	1,41038	1,45721	-1,032992658	N/A	N/A	N/A	N/A
A_21_P0011260	1,85655	1,90339	-1,032999818	ENST00000618272	N/A	N/A	N/A
A_21_P0014474	1,36017	1,40702	-1,033006978	N/A	N/A	N/A	N/A
A_23_P80068	12,1383	12,1852	-1,03304278	ENST00000339775	10950	NM_006806	BTG3
A_22_P00023600	1,36545	1,41237	-1,033057101	ENST00000563289	N/A	AW874696	N/A
A_22_P00024191	1,80159	1,84853	-1,033071423	ENST00000580639	N/A	N/A	N/A
A_21_P0007436	1,40758	1,45453	-1,033078583	N/A	N/A	N/A	Inc-CD6-1
A_33_P3339375	8,64337	8,69036	-1,033107227	ENST00000428041	89839	NM_001039841	ARHGAP11B
A_23_P142424	8,61719	8,66419	-1,033114388	ENST00000588018	79713	NM_024660	IGFLR1
A_21_P0012759	1,42319	1,47022	-1,033135871	ENST00000509017	N/A	XR_425819	N/A
A_33_P3217103	8,42622	8,47327	-1,033150193	ENST00000262829	23543	NM_001031695	RBFOX2
A_33_P3415211	11,1132	11,1603	-1,033186	ENST00000426513	4358	NM_002437	MPV17
A_21_P0005797	1,37093	1,41803	-1,033186	N/A	N/A	N/A	Inc-PPP1R3B-2
A_33_P3334423	2,80654	2,85365	-1,033193162	ENST00000368748	6706	NM_001014291	SPRR2G
A_33_P3366754	4,9094	4,95655	-1,033221808	N/A	100128670	AK126945	LOC100128670
A_24_P202497	6,93602	6,98317	-1,033221808	ENST00000262120	57045	NM_020648	TWSG1
A_33_P3394699	1,5085	1,55568	-1,033243294	ENST00000278947	6327	AK127499	SCN2B
A_21_P0014634	1,41719	1,46438	-1,033250456	N/A	N/A	N/A	N/A
A_24_P383478	4,12595	4,17318	-1,033279104	ENST00000404742	2099	NM_000125	ESR1
A_32_P37360	8,28684	8,33409	-1,033293428	ENST00000486863	246269	NM_145315	LACE1
A_24_P32394	5,08022	5,12751	-1,033322078	ENST00000452187	84083	NM_032143	ZRANB3
A_23_P211285	12,5955	12,6428	-1,03332924	ENST00000460259	4731	NM_021075	NDUFV3
A_23_P93844	16,615	16,6623	-1,03332924	ENST00000483581	54543	NM_019059	TOMM7
A_23_P203475	13,1914	13,2387	-1,03332924	ENST00000303927	112464	NM_145040	PRKCDBP
A_22_P00005210	1,35908	1,40644	-1,033372216	ENST00000452349	100507257	NR_047664	MEG9

A_21_P0011873	7,37428	7,42168	-1,033400868	N/A	N/A	N/A	XLOC_I2_007767
A_21_P0013049	1,36754	1,41495	-1,033408031	N/A	N/A	N/A	XLOC_I2_012807
A_33_P3411384	8,80124	8,84866	-1,033415194	N/A	N/A	N/A	N/A
A_23_P210900	11,9956	12,0431	-1,0334725	ENST00000360596	55902	NM_018677	ACSS2
A_21_P0011738	4,41308	4,46061	-1,033493991	ENST00000582581	284395	NR_040029	LOC284395
A_23_P123330	17,1509	17,1985	-1,033544137	ENST00000517489	6156	NM_000989	RPL30
A_21_P0013671	9,21155	9,25916	-1,033551301	N/A	N/A	N/A	XLOC_I2_015295
A_33_P3321136	5,3278	5,37543	-1,033565629	ENST00000518198	22898	NM_014957	DENND3
A_33_P3366376	1,41798	1,46561	-1,033565629	ENST00000382835	643812	NM_001077711	KRTAP27-1
A_22_P00017458	1,40889	1,45653	-1,033572794	N/A	N/A	N/A	Inc-VRK2-2
A_22_P00012964	4,34816	4,39582	-1,033587122	ENST00000439259	101927948	NR_110287	LOC101927948
A_22_P00011032	8,31098	8,35864	-1,033587122	ENST00000544842	N/A	AK022856	N/A
A_33_P3332666	5,6108	5,65849	-1,033608615	ENST00000426514	56848	NM_020126	SPHK2
A_33_P3310047	9,62147	9,66917	-1,03361578	ENST00000289292	57477	NM_020717	SHROOM4
A_22_P00025913	3,62416	3,6719	-1,033644438	N/A	N/A	N/A	Inc-AC002472.13.1-1
A_33_P3403643	6,26729	6,31507	-1,033673097	N/A	101059906	XM_003960862	LOC101059906
A_22_P00007258	8,78522	8,83302	-1,033687427	N/A	N/A	BU754164	Inc-GPR143-1
A_21_P0004011	1,40632	1,45417	-1,033723252	ENST00000515556	N/A	N/A	N/A
A_22_P00000527	1,39749	1,44535	-1,033730418	N/A	N/A	N/A	Inc-AC110373.1-6
A_24_P397903	1,41865	1,46652	-1,033737583	ENST00000263849	51101	NM_016010	ZC2HC1A
A_33_P3422897	7,75081	7,79874	-1,033780576	ENST00000374733	19	NM_005502	ABCA1
A_24_P942346	1,37496	1,42293	-1,033809239	ENST00000541398	345930	NM_001077706	ECT2L
A_22_P00014210	5,45273	5,5007	-1,033809239	N/A	100506826	NR_038266	MYLK-AS1
A_33_P3364348	9,44052	9,48852	-1,033830736	ENST00000342232	56704	NM_020647	JPH1
A_24_P282751	5,79559	5,84359	-1,033830736	ENST00000337768	9913	NM_014860	SUPT7L
A_33_P3386459	9,07274	9,12079	-1,033866567	ENST00000554090	394	NM_001030055	ARHGAP5
A_23_P203957	1,39423	1,44228	-1,033866567	ENST00000319685	83857	NM_175861	TMTC1
A_22_P00003788	7,98739	8,03547	-1,033888066	N/A	N/A	BX098590	Inc-CDK5R1-2
A_22_P00013706	1,36283	1,41092	-1,033895232	N/A	N/A	N/A	Inc-RP11-778D12.2.1-5
A_24_P362646	10,0646	10,1127	-1,033902398	ENST00000409705	10190	NM_005783	TXNDC9
A_22_P00008613	1,71566	1,76378	-1,033916731	N/A	102723544	NR_120482	LOC102723544
A_23_P385427	9,1167	9,16482	-1,033916731	ENST00000623416	N/A	N/A	N/A
A_24_P84781	4,12204	4,17017	-1,033923898	N/A	N/A	AK021933	N/A

A_23_P91104	3,07792	3,12609	-1,033952565	ENST00000620977	3777	NM_002246	KCNK3
A_21_P0003565	2,02522	2,0734	-1,033959732	N/A	N/A	N/A	Inc-S100P-1
A_33_P3293748	1,37729	1,42549	-1,033974066	ENST00000333149	135892	NM_178125	TRIM50
A_33_P3423365	12,7999	12,8481	-1,033974066	ENST00000449733	2934	NM_001127663	GSN
A_33_P3360942	9,03512	9,0835	-1,034103079	ENST00000621999	9522	NM_004866	SCAMP1
A_24_P418809	16,4183	16,4667	-1,034117415	ENST00000494081	2778	NM_001077489	GNAS
A_32_P115505	8,40218	8,45059	-1,034124583	ENST00000614971	26046	NM_015565	LTN1
A_33_P3383876	1,40213	1,45058	-1,034153255	N/A	N/A	N/A	Inc-CD99L2-1
A_32_P49844	9,83709	9,88556	-1,034167592	ENST00000449922	23433	NM_012249	RHOQ
A_23_P315910	1,42354	1,47203	-1,034181928	ENST00000330682	162699	NM_145653	TCEB3C
A_22_P00018377	1,42771	1,47624	-1,034210602	N/A	N/A	DB079229	Inc-FGL2-1
A_32_P33114	1,4258	1,47433	-1,034210602	ENST00000257408	152831	NM_175737	KLB
A_19_P00315936	7,53809	7,58663	-1,034217771	ENST00000469218	285286	N/A	LINC00877
A_33_P3411080	4,95205	5,00059	-1,034217771	ENST00000417245	25794	NM_012418	FSCN2
A_21_P0012389	5,90443	5,95301	-1,034246446	N/A	N/A	N/A	XLOC_I2_009867
A_22_P00012334	2,13968	2,18826	-1,034246446	ENST00000534604	N/A	DA511341	N/A
A_33_P3330791	1,41513	1,46372	-1,034253615	N/A	401220	BC036933	LOC401220
A_23_P53856	13,3693	13,4179	-1,034260784	ENST00000511143	10443	NM_014887	N4BP2L2
A_24_P145629	11,5716	11,6202	-1,034260784	ENST00000491976	347735	NM_178865	SERINC2
A_22_P00001859	1,37924	1,42784	-1,034260784	ENST00000546770	N/A	N/A	N/A
A_21_P0003951	7,46663	7,51525	-1,034275122	ENST00000512521	N/A	N/A	N/A
A_21_P0004377	1,42559	1,47423	-1,03428946	N/A	N/A	N/A	Inc-PRLR-1
A_21_P0012608	2,92919	2,97783	-1,03428946	N/A	N/A	N/A	XLOC_I2_010816
A_22_P00017983	1,41962	1,46832	-1,034332476	N/A	N/A	N/A	Inc-ZMYM3-1
A_33_P3390673	7,6266	7,6753	-1,034332476	N/A	N/A	N/A	XLOC_I2_001559
A_22_P00000368	3,71033	3,75907	-1,034361154	N/A	100507582	NR_125916	BHLHE40-AS1
A_22_P00011351	5,1606	5,20934	-1,034361154	N/A	N/A	AK022210	Inc-OVGP1-1
A_23_P432272	1,38141	1,43016	-1,034368324	ENST00000256339	57578	NM_020818	UNC79
A_22_P00010205	7,20607	7,25483	-1,034375493	ENST00000265081	4437	NM_002439	MSH3
A_33_P3270519	5,63539	5,68416	-1,034382663	ENST00000540970	85369	NM_033088	STRIP1
A_22_P00023007	1,74878	1,79758	-1,034404173	N/A	N/A	BX508466	Inc-RP11-712L6.5.1-1
A_22_P00001635	4,93863	4,98746	-1,034425683	ENST00000425246	N/A	N/A	N/A
A_24_P86993	1,42526	1,4741	-1,034432853	ENST00000299106	83700	NM_032801	JAM3

A_22_P00011058	1,38503	1,43388	-1,034440023	N/A	102724452	XR_424663	LOC102724452
A_23_P131036	1,63496	1,68382	-1,034447193	N/A	100862728	NR_046420	UPK1A-AS1
A_24_P178503	1,37226	1,42115	-1,034468704	ENST00000621589	10060	NM_005691	ABCC9
A_23_P101960	10,531	10,5799	-1,034475875	ENST00000282388	678	NM_006887	ZFP36L2
A_21_P0011534	1,97156	2,02046	-1,034475875	N/A	N/A	N/A	XLOC_I2_005714
A_21_P0011529	6,70399	6,75292	-1,034497386	ENST00000587622	6198	NM_001272043	RPS6KB1
A_22_P00000220	1,67063	1,71957	-1,034504557	N/A	N/A	N/A	Inc-AC005323.1.1-1
A_23_P76071	6,57677	6,62575	-1,03453324	ENST00000535274	79369	NM_030765	B3GNT4
A_23_P24716	14,3737	14,4227	-1,034547582	ENST00000005286	54972	NM_017870	TMEM132A
A_23_P55688	9,14976	9,19878	-1,034561923	ENST00000196489	55659	NM_017879	ZNF416
A_21_P0003362	1,40553	1,45457	-1,034576266	ENST00000511875	N/A	N/A	N/A
A_33_P6816999	9,65569	9,70474	-1,034583437	N/A	440944	NR_027007	THUMPDP3-AS1
A_23_P23507	1,3808	1,42985	-1,034583437	ENST00000334438	128360	NM_001004475	OR10T2
A_21_P0002795	1,37106	1,42012	-1,034590608	ENST00000490897	N/A	N/A	N/A
A_23_P131139	8,35804	8,40713	-1,034612122	ENST00000308100	116093	NM_052952	DIRC1
A_22_P00025112	10,7268	10,7759	-1,034619293	N/A	N/A	AK090628	Inc-OPN4-2
A_33_P3276475	9,7534	9,80255	-1,034655151	ENST00000526991	57132	NM_020412	CHMP1B
A_22_P00006729	1,36006	1,40923	-1,034669495	ENST00000553827	N/A	AA333164	N/A
A_23_P374149	9,6628	9,71201	-1,034698182	ENST00000373451	23070	NM_015050	CMTR1
A_23_P370147	2,48393	2,53317	-1,034719698	ENST00000316517	N/A	N/A	N/A
A_21_P0010091	4,50848	4,55777	-1,03475556	N/A	N/A	N/A	Inc-NCOA3-8
A_24_P120537	8,07912	8,12841	-1,03475556	ENST00000511705	153769	NM_152550	SH3RF2
A_33_P3311285	14,4801	14,5294	-1,034762732	ENST00000368300	4000	NM_170707	LMNA
A_22_P00002084	1,35846	1,40781	-1,034798595	ENST00000418927	N/A	N/A	N/A
A_24_P4816	9,8477	9,89708	-1,034820113	ENST00000540424	23710	NM_031412	GABARAPL1
A_23_P23616	8,36363	8,41302	-1,034827286	ENST00000379409	84069	NM_032129	PLEKHN1
A_21_P0014500	1,36565	1,41504	-1,034827286	N/A	N/A	N/A	N/A
A_19_P00322837	1,39827	1,44768	-1,034841632	ENST00000503048	101927134	N/A	LINC01470
A_21_P0005215	1,41599	1,4654	-1,034841632	ENST00000442176	101927524	NR_110094	MEOX2-AS1
A_22_P00009357	4,01148	4,0609	-1,034848805	ENST00000450290	N/A	N/A	N/A
A_33_P3375766	1,35824	1,40768	-1,034863151	ENST00000350228	3747	NM_153748	KCNC2
A_22_P00001733	1,49956	1,54905	-1,034899017	ENST00000422353	102724861	N/A	LOC102724861
A_22_P00003816	5,38455	5,43407	-1,034920537	N/A	102723641	N/A	HID1-AS1

A_21_P0000405	1,36442	1,41395	-1,034927711	N/A	767584	NR_003200	SNORD114-8
A_22_P00016856	5,01165	5,06124	-1,034970753	N/A	N/A	AF147349	Inc-TRPM7-1
A_24_P148235	18,4025	18,4521	-1,034977927	ENST00000392558	6232	NM_001030	RPS27
A_24_P264063	4,73111	4,78075	-1,035006623	N/A	729173	XR_110528	LOC729173
A_22_P00024850	1,39501	1,44474	-1,035071192	N/A	N/A	N/A	Inc-NOC3L-2
A_23_P411157	5,51425	5,56398	-1,035071192	N/A	7471	NM_005430	WNT1
A_22_P00013783	5,15296	5,20273	-1,035099891	N/A	N/A	N/A	Inc-RP11-9B6.1.1-2
A_33_P3392580	8,70487	8,75464	-1,035099891	ENST00000373449	204	NM_013411	AK2
A_23_P3527	11,9509	12,0007	-1,035121416	ENST00000219252	5432	NM_032940	POLR2C
A_23_P219084	10,0842	10,134	-1,035121416	ENST00000487620	7551	NM_032924	ZNF3
A_22_P00002769	7,58181	7,63163	-1,035135766	ENST00000412643	N/A	AK123383	N/A
A_23_P126803	13,2764	13,3263	-1,035193167	ENST00000294742	10092	NM_005717	ARPC5
A_33_P3235189	7,05436	7,10436	-1,035264924	ENST00000614878	124930	NM_152345	ANKRD13B
A_21_P0010715	1,40969	1,45971	-1,035279276	N/A	643160	N/A	CYMP
A_23_P145501	8,55248	8,60252	-1,035293628	ENST00000368058	9439	NM_004830	MED23
A_21_P0001517	4,76475	4,81484	-1,035329509	N/A	N/A	N/A	Inc-DEPDC1-1
A_21_P0004486	1,37947	1,42957	-1,035336685	N/A	N/A	N/A	Inc-ADCY2-5
A_23_P158725	15,9118	15,9619	-1,035336685	ENST00000582743	9123	NM_001042422	SLC16A3
A_23_P33187	8,50844	8,55856	-1,035351038	ENST00000375223	84641	NM_032558	HIATL1
A_21_P0004807	2,593	2,64313	-1,035358215	ENST00000449466	101929484	XR_245642	LOC101929484
A_21_P0012766	7,83083	7,88101	-1,035394098	ENST00000513501	59271	NM_058187	EVA1C
A_22_P00001419	1,3905	1,44069	-1,035401275	ENST00000526179	N/A	N/A	N/A
A_33_P3791118	1,42134	1,47157	-1,035429983	N/A	267020	BG113928	ATP5L2
A_21_P0002873	1,41688	1,46711	-1,035429983	ENST00000481624	101929694	N/A	LOC101929694
A_32_P529488	3,58941	3,63965	-1,03543716	ENST00000424684	N/A	XM_006711085	N/A
A_21_P0009086	1,7599	1,81017	-1,035458692	ENST00000595886	400550	NR_033925	FENDRR
A_33_P3339531	8,05941	8,10968	-1,035458692	ENST00000216241	150356	NM_138481	CHADL
A_22_P00010737	1,42236	1,47272	-1,035523289	N/A	101927954	NR_121565	LOC101927954
A_23_P167096	6,13444	6,18483	-1,035544822	ENST00000618562	7424	NM_005429	VEGFC
A_22_P00016479	7,4387	7,4891	-1,035552	N/A	N/A	AL137366	Inc-TMEM86A-2
A_33_P3358923	1,41018	1,46058	-1,035552	ENST00000334529	151888	NM_181780	BTLA
A_23_P83939	10,8006	10,851	-1,035552	ENST00000380155	94056	NM_032796	SYAP1
A_32_P118258	17,8134	17,8638	-1,035552	ENST00000483765	6144	NM_000982	RPL21

A_23_P85922	1,42167	1,47208	-1,035559178	N/A	353500	NM_181809	BMP8A
A_23_P427217	8,7191	8,76951	-1,035559178	ENST00000542921	221037	NM_032776	JMJD1C
A_22_P00024773	1,42233	1,47277	-1,035580712	N/A	101929478	NR_120361	LINGO1-AS2
A_21_P0001055	1,47013	1,5206	-1,035602247	N/A	N/A	N/A	Inc-TRAF5-4
A_33_P3389842	1,38907	1,43954	-1,035602247	ENST00000503884	8842	NM_001145850	PROM1
A_23_P7066	17,3274	17,3779	-1,035623782	ENST00000437992	6133	NM_001024921	RPL9
A_23_P65584	9,58546	9,63598	-1,035638138	ENST00000555511	51004	NM_182476	COQ6
A_22_P00025153	1,4003	1,45082	-1,035638138	ENST00000583122	N/A	DB516369	N/A
A_24_P204204	6,34284	6,39337	-1,035645317	ENST00000604654	N/A	N/A	N/A
A_22_P00006683	1,40193	1,45247	-1,035652495	ENST00000444827	101927295	N/A	LINC01360
A_22_P00025925	1,42218	1,47273	-1,035659674	N/A	N/A	N/A	Inc-PARN-4
A_21_P0007915	1,40317	1,45373	-1,035666853	N/A	101927176	N/A	LINC01069
A_23_P100764	12,8146	12,8652	-1,035695568	ENST00000593166	51629	NM_016016	SLC25A39
A_21_P0010435	1,79274	1,84342	-1,035753001	N/A	N/A	N/A	Inc-C22orf42-2
A_22_P00004541	14,0485	14,0992	-1,035767359	N/A	100874032	NR_046734	PRRT3-AS1
A_21_P0001756	2,04992	2,10066	-1,035796077	N/A	N/A	N/A	Inc-BATF3-2
A_22_P00006061	4,80601	4,85675	-1,035796077	N/A	N/A	AB074268	Inc-FAM131B-1
A_21_P0005665	1,39968	1,45043	-1,035803257	N/A	N/A	N/A	Inc-SH2D4A-2
A_21_P0004442	1,68176	1,73255	-1,035831976	N/A	N/A	N/A	Inc-C5orf63-2
A_24_P36299	5,34003	5,39088	-1,035875056	ENST00000599284	2909	NM_004491	ARHGAP35
A_24_P327499	9,05284	9,10372	-1,035896597	ENST00000449821	9675	XR_244159	TTI1
A_22_P00012505	4,85408	4,905	-1,035925318	N/A	N/A	CA310410	Inc-PSMA2-2
A_33_P3290829	3,52057	3,5715	-1,035932499	N/A	101059906	XM_003959933	LOC101059906
A_22_P00021091	4,58911	4,64008	-1,035961221	N/A	N/A	N/A	Inc-ABCC3-1
A_24_P98411	11,7899	11,8409	-1,035982764	ENST00000324460	3309	NM_005347	HSPA5
A_24_P169843	13,267	13,318	-1,035982764	ENST00000453838	N/A	N/A	N/A
A_21_P0003144	1,3803	1,43132	-1,035997125	N/A	N/A	N/A	Inc-CBLB-5
A_21_P0007792	1,36978	1,42082	-1,036011487	N/A	N/A	N/A	Inc-SLC15A4-13
A_24_P167825	9,33998	9,39104	-1,03602585	ENST00000562258	23339	NM_015289	VPS39
A_33_P3339990	2,82116	2,87223	-1,036033031	N/A	100128429	AK123323	LOC100128429
A_22_P00009080	1,40731	1,45844	-1,036076119	ENST00000456368	400696	NR_034156	LGALS17A
A_23_P125624	11,8541	11,9053	-1,036126391	ENST00000494361	23597	NM_001037171	ACOT9
A_21_P0011124	9,02983	9,08105	-1,036140755	N/A	N/A	N/A	XLOC_l2_003627

A_21_P0011843	1,39242	1,44367	-1,036162301	ENST00000604870	5239	N/A	PGM5
A_23_P116797	11,2626	11,3139	-1,036198213	ENST00000550199	60314	NM_021640	C12orf10
A_22_P00000351	1,39681	1,44813	-1,036212577	ENST00000560242	N/A	BG218536	N/A
A_21_P0004390	4,88702	4,9384	-1,036255673	N/A	N/A	N/A	Inc-SLC38A9-1
A_21_P0001132	1,72519	1,77658	-1,036262856	ENST00000449958	N/A	N/A	N/A
A_33_P3842770	10,4362	10,4876	-1,036270039	N/A	101928669	XR_424064	LOC101928669
A_23_P2446	10,9155	10,9669	-1,036270039	ENST00000433461	10329	NM_014254	TMEM5
A_33_P3213508	1,37543	1,42685	-1,036284405	ENST00000297001	100130988	NM_001161834	C7orf72
A_21_P0013185	1,37499	1,42642	-1,036291588	N/A	N/A	N/A	XLOC_I2_013314
A_33_P3736235	1,39965	1,4511	-1,036305954	N/A	401400	BF316573	LOC401400
A_22_P00008772	3,41311	3,46457	-1,036313137	N/A	N/A	AK123098	Inc-KIF1C-2
A_23_P91943	1,41872	1,47019	-1,03632032	ENST00000496308	3592	NM_000882	IL12A
A_33_P3214427	4,06682	4,11829	-1,03632032	N/A	N/A	N/A	Inc-KIAA1324L-1
A_21_P0003021	1,55496	1,60643	-1,03632032	N/A	102723597	XR_427400	LOC102723597
A_33_P3271105	5,29731	5,3488	-1,036334687	ENST00000531243	8761	NM_001135654	PABPC4
A_23_P388168	1,39371	1,4452	-1,036334687	ENST00000371655	5865	NM_002867	RAB3B
A_33_P3416814	3,32375	3,37526	-1,036349053	N/A	102724833	XM_006714944	LOC102724833
A_33_P3242829	5,0906	5,14211	-1,036349053	ENST00000370505	5586	AF118089	PKN2
A_33_P3271490	9,55031	9,60185	-1,036370604	ENST00000392753	5937	NM_016836	RBMS1
A_23_P258367	7,59194	7,64349	-1,036377788	ENST00000372770	2733	NM_001499	GLE1
A_32_P65628	1,36434	1,41591	-1,036392155	ENST00000272324	130120	NM_001008387	REG3G
A_33_P3307903	9,57616	9,62779	-1,036435258	ENST00000216414	1033	NM_005192	CDKN3
A_21_P0005292	5,16827	5,21994	-1,036463995	ENST00000420185	N/A	N/A	N/A
A_21_P0008223	1,39837	1,45009	-1,036499916	N/A	N/A	N/A	Inc-TUBGCP3-4
A_33_P3510508	1,39822	1,44996	-1,036514285	N/A	N/A	N/A	N/A
A_22_P00018413	1,36074	1,41249	-1,03652147	ENST00000415469	170425	NR_038220	LINC00858
A_33_P3274428	16,6043	16,6561	-1,036557394	ENST00000624302	N/A	N/A	N/A
A_22_P00019006	1,41885	1,47065	-1,036557394	ENST00000523385	N/A	N/A	N/A
A_33_P3387561	10,2484	10,3002	-1,036557394	ENST00000610577	126014	NM_206818	OSCAR
A_32_P135348	10,675	10,7268	-1,036557394	ENST00000470074	85461	NM_033394	TANC1
A_21_P0000543	6,78075	6,83263	-1,036614874	N/A	84852	NR_027645	ATP1A1-AS1
A_22_P00010689	9,11158	9,16348	-1,036629245	ENST00000565980	54920	NM_017803	DUS2
A_23_P101351	10,1998	10,2517	-1,036629245	ENST00000535489	79088	NM_024106	ZNF426



A_33_P3382281	1,91963	1,97156	-1,036650801	ENST00000488816	128710	N/A	SLX4IP
A_33_P3234103	12,1099	12,1619	-1,036701101	ENST00000262519	9739	XM_005255723	SETD1A
A_21_P0014820	11,2669	11,3189	-1,036701101	ENST00000413518	N/A	AK054868	N/A
A_22_P00013375	2,54138	2,59339	-1,036708287	ENST00000534492	N/A	DB092784	N/A
A_23_P255672	4,58657	4,63859	-1,036715473	ENST00000514025	84448	NM_032432	ABLIM2
A_21_P0007645	1,47653	1,52861	-1,03675859	N/A	N/A	N/A	Inc-RNF34-1
A_23_P78980	14,2491	14,3012	-1,036772962	ENST00000318683	10331	NM_014256	B3GNT3
A_24_P58308	17,2106	17,2627	-1,036772962	ENST00000594193	N/A	AF147412	N/A
A_21_P0010232	1,68834	1,74047	-1,036794521	N/A	N/A	N/A	Inc-C21orf63-1
A_22_P00002862	9,00877	9,06091	-1,036801708	N/A	N/A	AK092456	Inc-C3orf52-1
A_32_P178800	7,61431	7,66649	-1,036830455	ENST00000296585	3673	NM_002203	ITGA2
A_22_P00018472	4,83752	4,8897	-1,036830455	N/A	N/A	N/A	Inc-SPSB4-1
A_33_P3231542	9,42395	9,47614	-1,036837641	ENST00000268489	463	NM_006885	ZFHX3
A_33_P3248749	10,1416	10,1938	-1,036844828	ENST00000372165	221421	AK055407	RSPH9
A_24_P110082	14,966	15,0182	-1,036844828	ENST00000496042	N/A	N/A	N/A
A_33_P3409062	5,44633	5,49854	-1,036852015	ENST00000262629	7305	NM_003332	TYROBP
A_22_P00012961	1,38806	1,44034	-1,036902325	ENST00000420648	N/A	N/A	N/A
A_33_P3321682	13,0737	13,126	-1,036916699	N/A	N/A	N/A	N/A
A_23_P208706	12,4782	12,5305	-1,036916699	ENST00000513545	581	NM_138764	BAX
A_21_P0004571	1,82121	1,87354	-1,036938262	N/A	102723365	XR_427758	LOC102723365
A_33_P3228773	1,70842	1,76077	-1,036952637	N/A	116159	JF693912	CYR1
A_23_P14473	13,2772	13,3296	-1,036988575	ENST00000216416	10175	NM_005776	CNIH1
A_22_P00002110	1,38648	1,43888	-1,036988575	ENST00000518605	N/A	N/A	N/A
A_21_P0008808	4,58128	4,63377	-1,037053268	N/A	102725458	N/A	LOC102725458
A_23_P329152	11,1394	11,1919	-1,037060457	ENST00000586544	3609	NM_012218	ILF3
A_21_P0009594	1,39023	1,44278	-1,037096399	ENST00000575722	N/A	N/A	N/A
A_33_P3305088	3,39016	3,44272	-1,037103588	N/A	100129840	AK126633	LOC100129840
A_33_P3403399	1,4148	1,46739	-1,037125154	ENST00000395585	55244	NM_018242	SLC47A1
A_23_P5757	10,9382	10,9908	-1,037132343	ENST00000484969	51002	NM_016058	TPRKB
A_21_P0013182	1,71284	1,76546	-1,03714672	ENST00000446399	101927769	NR_110117	LOC101927769
A_24_P74064	7,7796	7,83225	-1,037168287	ENST00000615385	7541	NM_003409	ZBTB14
A_21_P0004622	4,42084	4,47353	-1,037197044	N/A	N/A	N/A	Inc-AL035696.1-5
A_24_P921477	10,3924	10,4451	-1,037204234	ENST00000341249	124512	NM_001206987	METTL23

A_33_P3361227	1,4878	1,5405	-1,037204234	ENST00000409461	144715	N/A	RAD9B
A_22_P00015377	11,6116	11,6643	-1,037204234	ENST00000380361	100862671	NM_001256829	TMEM265
A_24_P344295	9,17389	9,22664	-1,037240181	ENST00000573404	26001	NM_015528	RNF167
A_33_P3371360	1,36043	1,41319	-1,037247371	ENST00000338882	728464	NM_001123364	METTTL24
A_33_P3266536	1,66057	1,71336	-1,03726894	N/A	114041	NR_026543	B3GALT5-AS1
A_33_P3292230	1,39536	1,44817	-1,037283319	ENST00000616117	402160	N/A	CFAP99
A_22_P00011791	4,75933	4,81215	-1,037290509	N/A	N/A	N/A	Inc-PGBD5-2
A_21_P0001375	1,98164	2,03448	-1,037304889	N/A	N/A	N/A	Inc-ADAMTSL4-1
A_22_P00023002	7,64456	7,69743	-1,03732646	N/A	N/A	BU501378	Inc-PCYOX1-1
A_23_P21673	10,9679	11,0208	-1,037348031	ENST00000380249	54914	NM_017794	FOCAD
A_24_P359441	1,71054	1,76344	-1,037348031	ENST00000215855	1417	NM_004076	CRYBB3
A_23_P339687	10,036	10,0889	-1,037348031	ENST00000600299	171392	NM_138330	ZNF675
A_22_P00006795	1,39361	1,44654	-1,037369602	N/A	101927096	NR_109873	CTB-113P19.1
A_33_P3326235	3,84535	3,89829	-1,037376792	ENST00000472539	3042	NM_001003938	HBM
A_22_P00002793	1,38237	1,43532	-1,037383983	ENST00000565136	N/A	DB049433	N/A
A_22_P00020486	4,92023	4,9732	-1,037398364	N/A	N/A	N/A	Inc-RARRES2-3
A_23_P359540	10,0378	10,0908	-1,037419937	ENST00000244537	8361	NM_003540	HIST1H4F
A_21_P0008835	2,66092	2,71397	-1,037455891	N/A	N/A	N/A	Inc-HMG20A-5
A_23_P87013	5,52473	5,57781	-1,037477465	ENST00000392951	6876	NM_001001522	TAGLN
A_33_P3353712	13,1035	13,1566	-1,037491848	ENST00000378518	11079	NM_007033	RER1
A_23_P86504	10,581	10,6341	-1,037491848	ENST00000370033	79591	NM_024541	C10orf76
A_23_P351866	1,40829	1,4614	-1,037499039	ENST00000590542	126205	NM_176811	NLRP8
A_33_P3344603	5,07388	5,12699	-1,037499039	ENST00000558320	54816	NM_001288589	ZNF280D
A_33_P3386995	5,91591	5,96902	-1,037499039	ENST00000283033	51061	BC018635	TXNDC11
A_33_P3258008	4,8738	4,92698	-1,03754938	ENST00000539584	89910	NM_130466	UBE3B
A_19_P00810899	8,97095	9,02414	-1,037556572	ENST00000565256	654434	NR_027058	SNHG20
A_23_P389118	11,3193	11,3726	-1,037635684	ENST00000320560	196527	NM_001025356	ANO6
A_23_P370097	11,276	11,3293	-1,037635684	ENST00000471318	65062	NM_001044385	TMEM237
A_23_P17706	9,19641	9,24972	-1,037642877	ENST00000319363	23765	NM_014339	IL17RA
A_21_P0000213	5,76444	5,81775	-1,037642877	N/A	26808	NR_000013	SNORD42B
A_33_P3219398	1,63477	1,6881	-1,037657262	ENST00000538137	25925	NM_015461	ZNF521
A_33_P3414312	8,99254	9,04588	-1,037664454	ENST00000445583	84669	NM_032582	USP32
A_22_P00009764	1,41574	1,46908	-1,037664454	ENST00000564741	N/A	N/A	N/A

A_21_P0011680	1,6956	1,74897	-1,037686032	N/A	N/A	N/A	XLOC_I2_006648
A_21_P0003853	9,03926	9,09266	-1,03770761	N/A	N/A	N/A	Inc-FAM160A1-1
A_32_P103614	5,0126	5,066	-1,03770761	N/A	100128511	NR_046283	NEBL-AS1
A_21_P0007102	1,37708	1,43054	-1,037750768	N/A	N/A	N/A	Inc-MBL2-2
A_33_P3243897	8,08998	8,14347	-1,037772348	ENST00000610020	79871	NM_024813	RPAP2
A_23_P100583	2,54357	2,59707	-1,037779541	ENST00000582328	4025	NM_006151	LPO
A_33_P3387691	1,69944	1,75299	-1,037815509	ENST00000369022	256380	NM_198081	SCML4
A_24_P21507	1,41243	1,46602	-1,037844283	ENST00000376603	9576	NM_172242	SPAG6
A_32_P87697	1,44628	1,49992	-1,037880253	ENST00000613328	3122	NM_019111	HLA-DRA
A_22_P00022943	1,392	1,44564	-1,037880253	ENST00000520459	N/A	N/A	N/A
A_22_P00002940	10,8421	10,8958	-1,037923418	N/A	643977	NR_104643	FLJ32255
A_22_P00015877	1,39308	1,4468	-1,037937807	ENST00000551761	N/A	CR742860	N/A
A_33_P3399870	9,30537	9,3591	-1,037945001	ENST00000392687	253782	NM_001256126	CERS6
A_33_P3367596	4,44642	4,50019	-1,03797378	ENST00000380833	1183	NM_001830	CLCN4
A_33_P3217500	5,7904	5,84418	-1,037980974	N/A	N/A	DW451783	N/A
A_22_P00020349	2,45869	2,51248	-1,037988169	N/A	N/A	N/A	Inc-GTDC1-4
A_22_P00004986	1,53025	1,58405	-1,037995364	ENST00000512547	N/A	XR_244767	N/A
A_21_P0001923	10,2698	10,3236	-1,037995364	ENST00000450667	N/A	N/A	N/A
A_22_P00018339	1,47372	1,52752	-1,037995364	N/A	N/A	N/A	Inc-ZPLD1-1
A_23_P44139	9,84367	9,89752	-1,038031339	ENST00000615550	5558	NM_000947	PRIM2
A_22_P00016787	4,09505	4,14892	-1,038045729	ENST00000517689	100505659	N/A	LINC00967
A_23_P258381	9,91866	9,97254	-1,038052924	ENST00000508126	92369	AK056367	SPSB4
A_33_P3417944	4,91713	4,97102	-1,038060119	ENST00000425430	79885	NM_001136041	HDAC11
A_22_P00009120	2,68094	2,73484	-1,038067315	ENST00000562945	N/A	AK128166	N/A
A_22_P00003771	1,38792	1,44186	-1,038096096	N/A	N/A	N/A	Inc-CDK17-3
A_22_P00012373	5,03841	5,09236	-1,038103292	ENST00000485770	N/A	N/A	N/A
A_21_P0012022	1,41275	1,46676	-1,038146466	ENST00000433673	N/A	N/A	N/A
A_33_P3310567	1,39235	1,44637	-1,038153662	ENST00000616656	N/A	N/A	N/A
A_33_P3338292	1,52304	1,57706	-1,038153662	N/A	N/A	N/A	N/A
A_32_P132860	1,61068	1,66475	-1,038189643	ENST00000444374	100129066	NR_024280	UNQ6494
A_19_P00802550	6,86337	6,91744	-1,038189643	N/A	N/A	N/A	Inc-C12orf75-1
A_21_P0004126	1,79653	1,8506	-1,038189643	ENST00000514113	N/A	N/A	N/A
A_22_P00024984	5,062	5,11609	-1,038204035	N/A	N/A	N/A	Inc-ARHGEF40-1

A_33_P3381751	10,2944	10,3485	-1,038211231	ENST00000541036	7074	NM_003253	TIAM1
A_24_P378987	10,063	10,1171	-1,038211231	ENST00000334651	207063	NM_145177	DHRSX
A_23_P356694	2,01965	2,07376	-1,038218428	ENST00000376309	245936	NM_153324	DEFB123
A_21_P0001686	1,64298	1,69711	-1,038232821	N/A	N/A	N/A	Inc-IL12RB2-2
A_23_P338233	9,48918	9,54334	-1,03825441	ENST00000333924	144233	NM_181708	BCDIN3D
A_23_P28186	1,7083	1,76249	-1,038276	ENST00000622030	6716	NM_000348	SRD5A2
A_33_P3306327	10,2359	10,2901	-1,038283197	N/A	N/A	N/A	N/A
A_21_P0007056	1,3804	1,43462	-1,038297591	N/A	N/A	N/A	Inc-MAP3K8-5
A_22_P00021285	1,72563	1,77987	-1,038311985	ENST00000426515	N/A	N/A	N/A
A_32_P117693	1,41277	1,46703	-1,038326379	ENST00000496687	407738	NM_213609	FAM19A1
A_22_P00011165	1,41287	1,46716	-1,038347971	N/A	N/A	N/A	Inc-OCIAD2-1
A_33_P3399593	4,38731	4,44162	-1,038362365	ENST00000255784	79879	NM_024821	CCDC134
A_33_P3292794	8,44875	8,50314	-1,038419946	ENST00000401977	23583	NM_014311	SMUG1
A_24_P19752	11,0219	11,0763	-1,038427144	ENST00000472750	5824	NM_002857	PEX19
A_33_P3214481	10,5631	10,6175	-1,038427144	ENST00000263556	5033	NM_001142595	P4HA1
A_21_P0008543	1,38941	1,44383	-1,03844154	N/A	N/A	N/A	Inc-ABCD4-1
A_19_P00321721	2,64246	2,69692	-1,038470332	ENST00000436295	N/A	N/A	N/A
A_22_P00009635	1,36028	1,41476	-1,038484728	N/A	N/A	N/A	Inc-MARCKSL1-1
A_33_P3229754	1,40565	1,46016	-1,038506323	N/A	N/A	N/A	N/A
A_33_P3303890	1,40891	1,46343	-1,038513521	ENST00000472867	N/A	BC140752	N/A
A_22_P00001456	1,71539	1,76992	-1,03852072	N/A	N/A	N/A	Inc-APPL2-1
A_33_P3381378	1,36959	1,42412	-1,03852072	ENST00000398485	5075	NM_001257096	PAX1
A_33_P3417955	1,40945	1,46402	-1,038549514	ENST00000530020	100652857	NR_046005	TMCO5B
A_33_P3264524	1,7278	1,78242	-1,038585508	ENST00000442535	N/A	N/A	N/A
A_22_P00009259	3,35868	3,4133	-1,038585508	N/A	100996404	XR_172370	LOC100996404
A_33_P3281176	2,75979	2,81443	-1,038599906	N/A	N/A	N/A	N/A
A_23_P102517	9,14736	9,20204	-1,038628703	ENST00000287600	5147	NM_002601	PDE6D
A_33_P3389827	12,9852	13,0399	-1,038643101	ENST00000487138	150696	NM_001165978	PROM2
A_24_P923251	11,2099	11,2646	-1,038643101	ENST00000468262	7052	NM_198951	TGM2
A_21_P0003232	3,11182	3,16653	-1,0386503	N/A	N/A	N/A	Inc-KCTD6-1
A_32_P71943	8,77441	8,82915	-1,038671899	ENST00000367162	25778	NM_015375	DSTYK
A_33_P3217485	1,43975	1,49454	-1,038707897	ENST00000359286	440077	NM_001004328	ZNF705A
A_33_P3314421	1,83373	1,88854	-1,038722297	N/A	N/A	AK024188	N/A

A_21_P0001058	1,38144	1,43626	-1,038729497	ENST00000444750	N/A	N/A	N/A
A_24_P666105	5,79249	5,84732	-1,038736697	ENST00000409911	80059	NM_001134745	LRRTM4
A_33_P3424591	5,87112	5,92597	-1,038751097	ENST00000390549	N/A	BC073773	N/A
A_33_P3235142	1,38018	1,43507	-1,038779897	N/A	N/A	N/A	N/A
A_33_P3414402	5,8674	5,92229	-1,038779897	ENST00000309902	55628	NM_001146190	ZNF407
A_23_P355471	6,68038	6,73537	-1,038851903	ENST00000411851	6915	NM_201636	TBXA2R
A_24_P257359	17,5859	17,6409	-1,038859103	ENST00000434031	6138	NM_002948	RPL15
A_21_P0014750	1,37413	1,42913	-1,038859103	N/A	N/A	N/A	N/A
A_33_P3435546	1,40228	1,45736	-1,038916711	N/A	N/A	AL137361	N/A
A_33_P3403418	10,7772	10,8323	-1,038931114	ENST00000521387	1495	NM_001903	CTNNA1
A_33_P3334398	5,62106	5,67617	-1,038938315	ENST00000476083	765	NM_001270500	CA6
A_33_P3295640	6,97911	7,03424	-1,038952718	N/A	9546	NM_004886	APBA3
A_33_P3222019	6,19763	6,25276	-1,038952718	ENST00000547525	9671	NM_014653	WSCD2
A_21_P0013989	1,38813	1,44328	-1,038967121	N/A	N/A	N/A	N/A
A_21_P0002321	1,38572	1,44088	-1,038974323	N/A	N/A	N/A	Inc-HNRNPA3-3
A_23_P153571	1,4652	1,52037	-1,038981524	ENST00000600243	147920	NM_001002915	IGFL2
A_23_P129118	10,7581	10,8133	-1,03900313	ENST00000204549	10081	NM_005707	PDCD7
A_21_P0012164	6,69246	6,74768	-1,039017533	ENST00000453481	728882	N/A	FAM182B
A_33_P3304678	1,69095	1,74618	-1,039024735	ENST00000379053	149837	N/A	LINC00654
A_33_P3389967	5,81403	5,86928	-1,039039139	ENST00000394253	25862	NM_001286554	USP49
A_22_P00001825	1,38562	1,44091	-1,039067948	ENST00000429469	N/A	N/A	N/A
A_23_P205875	7,19917	7,25446	-1,039067948	ENST00000560678	54581	NR_004859	SCAND2P
A_22_P00004695	10,6755	10,7308	-1,03907515	ENST00000529424	9401	NM_004260	RECQL4
A_33_P3307500	5,84619	5,90156	-1,039125568	ENST00000432245	64220	NM_001142620	STRA6
A_21_P0006631	1,39072	1,44609	-1,039125568	N/A	N/A	N/A	Inc-WDR37-3
A_33_P3325275	8,12106	8,17645	-1,039139973	ENST00000382285	80023	NM_024958	NRSN2
A_23_P14062	12,0073	12,0627	-1,039147176	ENST00000535718	57122	NM_020401	NUP107
A_24_P913716	10,3158	10,3712	-1,039147176	ENST00000593903	93010	NM_145236	B3GNT7
A_22_P00024530	1,36468	1,4201	-1,039161582	N/A	101927392	XR_242418	LOC101927392
A_23_P70318	4,6199	4,67534	-1,039175988	ENST00000321037	22875	NM_014936	ENPP4
A_32_P169131	10,8046	10,8601	-1,039219207	ENST00000262374	56052	N/A	ALG1
A_23_P216679	7,27008	7,32561	-1,039240817	ENST00000375241	8555	NM_033331	CDC14B
A_22_P00015090	4,08731	4,14285	-1,03924802	ENST00000557558	N/A	N/A	N/A

A_33_P3303772	5,13946	5,19506	-1,039291243	ENST00000621716	6531	NM_001044	SLC6A3
A_23_P71419	13,7312	13,7868	-1,039291243	ENST00000523890	10987	NM_006837	COP55
A_23_P98898	8,67505	8,73071	-1,039334466	ENST00000555408	1017	NM_001798	CDK2
A_21_P0007482	1,37832	1,43402	-1,039363283	ENST00000509760	440119	NR_033834	FZD10-AS1
A_33_P3270237	1,38739	1,44316	-1,039413715	N/A	N/A	XR_133213	N/A
A_33_P3401621	11,5288	11,5846	-1,039435329	ENST00000256442	891	NM_031966	CCNB1
A_33_P3212221	4,73488	4,7907	-1,039449739	ENST00000469974	9681	NM_001007188	DEPDC5
A_33_P3236921	9,51412	9,56996	-1,039464149	ENST00000491816	142	NM_001618	PARP1
A_21_P0012099	1,40319	1,45912	-1,039528996	ENST00000451851	N/A	XR_249249	N/A
A_21_P0011917	2,56176	2,61769	-1,039528996	N/A	N/A	N/A	XLOC_I2_008014
A_22_P00007374	5,87946	5,9354	-1,039536201	ENST00000566840	N/A	BC009884	N/A
A_21_P0012133	3,35013	3,40609	-1,039550612	ENST00000486775	284759	N/A	SIRPB2
A_33_P3366456	7,68088	7,73688	-1,039579435	ENST00000510882	154150	NM_138574	HDGFL1
A_33_P3327454	11,8378	11,8938	-1,039579435	ENST00000563073	89970	NM_133368	RSPRY1
A_21_P0005079	5,67151	5,7276	-1,03964429	N/A	N/A	N/A	Inc-LPA-1
A_21_P0000651	8,31022	8,36634	-1,039665909	N/A	100132101	N/A	HERC2P7
A_22_P00023764	1,55845	1,61463	-1,039709148	N/A	374987	NR_103535	NEXN-AS1
A_22_P00000929	1,39675	1,453	-1,039759596	N/A	N/A	AK126806	Inc-AKIP1-2
A_21_P0008809	1,40663	1,46292	-1,039788425	N/A	101928792	XR_248077	LOC101928792
A_23_P17287	11,803	11,8593	-1,039795632	ENST00000482918	285148	NM_001039613	IAH1
A_33_P3280147	1,52328	1,57958	-1,039795632	ENST00000374983	400624	NR_028337	FLJ45079
A_21_P0001333	1,37967	1,43597	-1,039795632	N/A	N/A	N/A	Inc-PKN2-2
A_33_P3221925	1,69391	1,75021	-1,039795632	N/A	N/A	N/A	N/A
A_23_P434900	13,5747	13,631	-1,039795632	ENST00000248098	90861	NM_144570	HN1L
A_33_P3211513	7,26308	7,3194	-1,039810047	ENST00000481641	1195	NM_001162407	CLK1
A_22_P00018805	1,38583	1,44222	-1,0398605	ENST00000512517	101928776	NR_110951	LINC01258
A_22_P00022483	1,36891	1,42531	-1,039867708	ENST00000426166	N/A	N/A	N/A
A_33_P3235034	5,77554	5,83194	-1,039867708	N/A	100129503	XR_243769	PP13
A_23_P82000	10,8137	10,8701	-1,039867708	ENST00000338863	7005	NM_003214	TEAD3
A_24_P522631	11,4917	11,5481	-1,039867708	ENST00000340381	199953	NM_001130924	TMEM201
A_33_P3629131	6,9027	6,95911	-1,039874916	N/A	94145	BX484257	CDRT3
A_23_P345710	8,33181	8,38829	-1,039925372	ENST00000437101	152002	NM_152531	XXYLT1
A_33_P3225696	15,9464	16,0029	-1,039939788	ENST00000301215	116115	NM_133444	ZNF526

A_23_P24129	12,1886	12,2451	-1,039939788	ENST00000373970	22943	NM_012242	DKK1
A_33_P3287636	3,98456	4,04112	-1,039983039	ENST00000390449	N/A	X58736	N/A
A_23_P41948	9,79484	9,85141	-1,039990248	ENST00000265295	54908	NM_017785	SPDL1
A_22_P00002658	7,04541	7,10198	-1,039990248	N/A	N/A	BI826926	Inc-C1orf201-1
A_23_P219144	14,7882	14,8448	-1,040011874	ENST00000345519	1211	NM_007096	CLTA
A_33_P3249354	8,66936	8,72596	-1,040011874	ENST00000265295	54908	NM_017785	SPDL1
A_21_P0014138	3,47947	3,53613	-1,040055128	ENST00000511639	4552	N/A	MTRR
A_23_P1186	1,37915	1,43582	-1,040062337	ENST00000298943	389941	NM_001010908	C1QL3
A_23_P300245	1,35613	1,41287	-1,040112802	ENST00000601660	63946	NM_001040283	DMRTC2
A_33_P3325826	1,35669	1,41343	-1,040112802	N/A	N/A	N/A	N/A
A_22_P00024589	5,17722	5,23398	-1,040127221	N/A	N/A	AK095151	Inc-KB-1980E6.3.1-1
A_21_P0006978	1,40315	1,45993	-1,040141641	N/A	N/A	N/A	Inc-ACBD5-2
A_32_P178945	9,88115	9,93794	-1,04014885	ENST00000367084	55432	NM_018566	YOD1
A_33_P3267740	4,98232	5,03916	-1,0401849	ENST00000347077	339327	NM_178544	ZNF546
A_32_P233304	9,56417	9,62103	-1,04019932	ENST00000328205	286826	NM_173083	LIN9
A_23_P78526	8,89078	8,94764	-1,04019932	ENST00000480278	56971	NM_020219	CEACAM19
A_22_P00004902	6,73158	6,78844	-1,04019932	N/A	N/A	N/A	Inc-DALRD3-1
A_23_P430747	1,38317	1,44004	-1,04020653	ENST00000408967	9142	NM_004709	TMEM257
A_23_P89343	9,50632	9,5632	-1,04021374	ENST00000359238	29916	NM_152244	SNX11
A_33_P3418571	2,97452	3,03143	-1,040235371	N/A	N/A	N/A	N/A
A_24_P114249	9,36772	9,42467	-1,040264213	ENST00000392701	2591	NM_004482	GALNT3
A_23_P6045	1,38375	1,44071	-1,040271424	ENST00000382398	81623	NM_030931	DEFB126
A_24_P47182	12,5317	12,5887	-1,040300267	ENST00000211998	7414	NM_014000	VCL
A_21_P0002336	1,35715	1,41415	-1,040300267	N/A	N/A	N/A	Inc-CASP10-1
A_23_P319874	5,24338	5,30038	-1,040300267	ENST00000396078	285343	NM_001029840	TCAIM
A_33_P3292769	1,66586	1,72286	-1,040300267	ENST00000329021	150372	NM_145912	NFAM1
A_23_P90888	1,37662	1,43364	-1,040314688	ENST00000435083	1134	NM_001039523	CHRNA1
A_22_P00025223	1,38506	1,44208	-1,040314688	N/A	N/A	N/A	Inc-RHOB-6
A_21_P0012809	1,35784	1,41492	-1,040357955	ENST00000502345	N/A	N/A	N/A
A_32_P73045	10,2684	10,3255	-1,040372377	ENST00000537658	55907	NM_018686	CMAS
A_22_P00023670	3,77577	3,8329	-1,040394011	N/A	100131193	NR_024580	CCDC183-AS1
A_22_P00009088	1,36641	1,42354	-1,040394011	ENST00000402154	N/A	HY010410	N/A
A_21_P0013010	1,40676	1,46391	-1,040408434	N/A	N/A	N/A	XLOC_I2_012374

A_22_P00004212	1,80613	1,8633	-1,040422858	N/A	N/A	N/A	Inc-CLRN2-1
A_22_P00020315	10,2253	10,2825	-1,040444493	ENST00000527984	N/A	N/A	N/A
A_33_P3275751	11,4955	11,5527	-1,040444493	ENST00000443798	6397	NM_001204410	SEC14L1
A_23_P163455	2,70405	2,76129	-1,04047334	ENST00000300231	4130	NM_002373	MAP1A
A_21_P0008145	1,37534	1,43267	-1,040538251	N/A	N/A	N/A	Inc-LHFP-2
A_24_P60680	4,80112	4,85846	-1,040545463	ENST00000377138	442194	NM_013941	OR10C1
A_21_P0009809	1,40044	1,45779	-1,040552676	ENST00000412553	29075	N/A	LINC00652
A_33_P3293213	5,00517	5,06254	-1,040567101	ENST00000393423	57139	NM_001161616	RGL3
A_33_P3254900	3,83487	3,89226	-1,040581526	ENST00000621407	N/A	N/A	N/A
A_21_P0002496	5,09789	5,15532	-1,040610378	N/A	N/A	N/A	Inc-CCDC93-3
A_22_P00003271	4,55196	4,60939	-1,040610378	ENST00000450550	101927043	NR_110208	LOC101927043
A_33_P3237492	5,32945	5,3869	-1,040624804	ENST00000418165	N/A	CA849059	N/A
A_33_P3289860	9,65794	9,7154	-1,040632017	N/A	N/A	BX648603	N/A
A_22_P00004465	9,5802	9,63768	-1,040646443	N/A	N/A	N/A	Inc-CPEB4-1
A_21_P0013948	5,63994	5,69742	-1,040646443	N/A	N/A	N/A	N/A
A_23_P74042	4,29584	4,35333	-1,040653656	ENST00000370725	23266	NM_012302	LPHN2
A_23_P65741	10,8942	10,9517	-1,04066087	ENST00000530537	115752	NM_133375	DIS3L
A_33_P3381621	2,56732	2,62484	-1,040675296	N/A	151056	BC065041	PLB1
A_21_P0003288	1,40415	1,46169	-1,040689723	ENST00000479244	N/A	N/A	N/A
A_33_P3411338	2,31317	2,37073	-1,04070415	ENST00000265162	2028	NM_001977	ENPEP
A_33_P3395008	9,04681	9,10438	-1,040711364	ENST00000439055	55289	NM_001142807	ACOXL
A_21_P0001459	1,69996	1,75754	-1,040718578	N/A	N/A	N/A	Inc-TTC34-3
A_22_P00012743	5,24459	5,30218	-1,040725791	N/A	100996437	NR_110037	LOC100996437
A_21_P0005980	1,39408	1,45175	-1,040783503	N/A	N/A	N/A	Inc-LY6H-1
A_21_P0012344	1,99035	2,04804	-1,040797932	ENST00000443839	N/A	N/A	N/A
A_33_P3354267	12,6041	12,6618	-1,040805146	ENST00000432648	79647	NM_024595	AKIRIN1
A_23_P143551	11,1824	11,2401	-1,040805146	ENST00000481365	529	NM_001696	ATP6V1E1
A_33_P3321996	1,50341	1,56115	-1,040834003	N/A	N/A	DB053889	Inc-SDCCAG8-2
A_23_P25503	11,7528	11,8106	-1,040877291	ENST00000398316	22862	NM_001079673	FNDC3A
A_33_P3366903	10,3806	10,4384	-1,040877291	ENST00000390664	4166	NM_021615	CHST6
A_23_P112596	11,9348	11,9926	-1,040877291	ENST00000286621	132	NM_001123	ADK
A_22_P00025503	1,40065	1,45847	-1,040891721	N/A	N/A	N/A	Inc-LSM11-1
A_22_P00019996	1,70913	1,76701	-1,040935012	ENST00000579714	N/A	N/A	N/A



A_21_P0007293	1,55814	1,61602	-1,040935012	N/A	N/A	N/A	Inc-RP11-688I9.2.1-3
A_33_P3416563	12,103	12,1609	-1,040949442	ENST00000275235	51390	NM_016108	AIG1
A_19_P00322605	1,38009	1,438	-1,040956657	ENST00000458028	100507254	N/A	LINC01013
A_22_P00013303	1,36317	1,42108	-1,040956657	ENST00000433315	N/A	N/A	N/A
A_19_P00322977	7,76164	7,81957	-1,040971088	N/A	378805	NR_109854	LINC-PINT
A_33_P3317761	4,44181	4,49976	-1,040985519	N/A	N/A	N/A	N/A
A_33_P3417452	8,71338	8,77137	-1,041014382	ENST00000403903	100125288	NM_001103167	ZGLP1
A_22_P00003933	10,2368	10,2948	-1,041021598	ENST00000448256	102723826	N/A	LOC102723826
A_33_P3410831	11,0841	11,1421	-1,041021598	N/A	729609	N/A	LOC729609
A_21_P0009971	7,01392	7,07195	-1,041043245	N/A	N/A	N/A	Inc-CEBPB-1
A_23_P55190	13,7768	13,8349	-1,041093758	ENST00000590977	9343	NM_004247	EFTUD2
A_33_P3259303	1,35533	1,41348	-1,04112984	N/A	N/A	N/A	N/A
A_24_P64126	9,62734	9,68551	-1,041144274	ENST00000614678	8895	XM_005251093	CPNE3
A_33_P3287547	5,68877	5,74695	-1,04115149	ENST00000479566	5590	N/A	PRKCZ
A_23_P27066	11,048	11,1062	-1,041165924	ENST00000396981	7326	NM_003342	UBE2G1
A_32_P175934	1,38253	1,44077	-1,041194792	ENST00000368046	962	NM_001778	CD48
A_22_P00014799	7,79838	7,85664	-1,041209226	ENST00000580861	100499467	NR_036488	LINC00673
A_21_P0014584	11,201	11,2593	-1,041238095	N/A	N/A	AK094623	N/A
A_23_P218988	10,2104	10,2687	-1,041238095	ENST00000621204	64924	NM_022902	SLC30A5
A_22_P00019887	1,37888	1,4372	-1,041252529	ENST00000553754	N/A	BU623300	N/A
A_33_P3395804	3,58657	3,64491	-1,041266964	ENST00000377306	26074	NM_001167816	CFAP61
A_21_P0013981	1,40347	1,46181	-1,041266964	ENST00000481779	1131	XM_005273033	CHRM3
A_23_P392942	1,36503	1,42339	-1,041281399	ENST00000381998	4481	NM_002445	MSR1
A_33_P3365034	2,44401	2,50238	-1,041288617	N/A	2840	BX538082	GPR17
A_22_P00016743	1,37025	1,42863	-1,041295835	ENST00000550723	101928137	NR_110130	LOC101928137
A_23_P165136	2,16301	2,2214	-1,041303052	ENST00000595840	126364	NM_145256	LRRC25
A_22_P00000283	3,76076	3,81916	-1,04131027	ENST00000563734	100126328	N/A	MIR940
A_33_P3351934	12,301	12,3594	-1,04131027	N/A	55154	BC070067	MSTO1
A_23_P422193	7,81957	7,878	-1,041331924	ENST00000337852	6839	NM_003173	SUV39H1
A_21_P0001261	1,37769	1,43613	-1,041339142	N/A	N/A	N/A	Inc-UBIAD1-1
A_22_P00016442	1,39443	1,45287	-1,041339142	N/A	N/A	BX092241	Inc-TMEM55A-1
A_33_P3258875	1,81904	1,87748	-1,041339142	ENST00000435702	400870	XR_109691	FLJ41733
A_33_P3247237	7,19216	7,25061	-1,04134636	ENST00000324544	25792	NM_001131015	CIZ1

A_22_P00016473	1,39758	1,45607	-1,041375233	ENST00000520766	101927774	NR_121672	LINC00824
A_22_P00018357	4,66136	4,71985	-1,041375233	N/A	N/A	BG206007	Inc-ZSWIM2-5
A_33_P3284808	4,07065	4,12914	-1,041375233	ENST00000454679	340895	NM_001142308	MALRD1
A_24_P136211	16,6719	16,7304	-1,041382451	ENST00000460876	N/A	XM_006709980	N/A
A_33_P3408569	1,37617	1,43468	-1,041389669	N/A	N/A	N/A	Inc-KHDRBS2-1
A_22_P00004046	6,62939	6,68794	-1,041418543	N/A	N/A	N/A	Inc-CHST1-4
A_21_P0000598	9,86419	9,92276	-1,04143298	ENST00000426721	6468	NM_022039	FBXW4
A_22_P00009008	2,34335	2,40195	-1,041454636	N/A	N/A	N/A	Inc-LARS-1
A_21_P0004675	1,38661	1,44525	-1,041483512	ENST00000416104	387111	N/A	LINC00222
A_21_P0002259	4,76628	4,82494	-1,04149795	N/A	N/A	N/A	Inc-NPAS2-1
A_22_P00011643	7,57431	7,63298	-1,041505169	N/A	N/A	N/A	Inc-PDCD11-2
A_24_P194934	16,852	16,9107	-1,041526827	ENST00000470598	N/A	N/A	N/A
A_21_P0007825	6,40289	6,46165	-1,041570144	N/A	N/A	N/A	Inc-DERA-1
A_24_P128683	9,22397	9,28276	-1,041591803	ENST00000409789	27013	NM_015680	CNPPD1
A_33_P3338909	13,9993	14,0581	-1,041599023	ENST00000462965	10092	NM_001270439	ARPC5
A_23_P21409	10,6316	10,6904	-1,041599023	ENST00000620544	80254	NM_001042384	CEP63
A_23_P27840	11,418	11,4768	-1,041599023	ENST00000432763	6829	NM_003169	SUPT5H
A_24_P11587	8,4641	8,52292	-1,041613462	ENST00000295030	5194	NM_002618	PEX13
A_21_P0012705	1,55478	1,61361	-1,041620682	N/A	102723973	XR_425829	LOC102723973
A_23_P404134	11,6492	11,7081	-1,041671223	ENST00000448790	9878	AB018280	TOX4
A_24_P234415	7,36152	7,42044	-1,041685664	ENST00000273183	6769	NM_003149	STAC
A_22_P00018083	1,37175	1,43074	-1,041736208	N/A	167465	NM_152625	ZNF366
A_33_P3325897	1,38035	1,43943	-1,041801197	ENST00000612993	4352	NM_005373	MPL
A_33_P3228285	12,3774	12,4365	-1,04181564	ENST00000507915	338692	NM_207354	ANKRD13D
A_21_P0008234	1,35555	1,41468	-1,041837304	N/A	N/A	N/A	Inc-COG6-2
A_23_P105545	5,71976	5,77889	-1,041837304	ENST00000539047	6843	NM_016830	VAMP1
A_23_P37702	1,40106	1,46021	-1,041851747	ENST00000562432	7177	NM_003294	TPSAB1
A_33_P3311458	8,39333	8,4525	-1,04186619	N/A	N/A	N/A	N/A
A_19_P00808088	3,54798	3,60719	-1,041895077	N/A	100288428	NR_033378	LMCD1-AS1
A_21_P0005644	2,87901	2,93824	-1,041909521	N/A	N/A	N/A	Inc-DLGAP2-2
A_21_P0003737	1,39451	1,45376	-1,041923965	N/A	N/A	N/A	Inc-ARAP2-4
A_22_P00015881	1,40165	1,46092	-1,041938409	ENST00000477014	85012	N/A	TCEAL3
A_33_P3410372	5,32406	5,38334	-1,041945631	ENST00000376006	170685	NM_153183	NUDT10

A_22_P00008630	1,38883	1,44812	-1,041952854	ENST00000505083	101927845	NR_125427	LOC101927845
A_33_P3280346	1,35867	1,41798	-1,041967298	N/A	100130857	AK097050	LOC100130857
A_33_P3399028	9,53343	9,59276	-1,041981743	ENST00000479267	11011	NM_006852	TLK2
A_21_P0003399	1,58268	1,64207	-1,042025079	ENST00000505741	101927109	XR_244710	LOC101927109
A_33_P3262421	1,38104	1,44049	-1,042068416	N/A	N/A	AB051446	N/A
A_22_P00005796	1,3592	1,41872	-1,042118979	N/A	644093	NR_120602	HCG2040054
A_33_P3258339	5,70101	5,76054	-1,042126203	ENST00000409887	388341	NM_001113567	LRRC75A
A_33_P3310415	1,37278	1,43234	-1,042147873	N/A	N/A	AY358259	N/A
A_33_P3364808	4,95916	5,01874	-1,04216232	ENST00000391970	5788	NM_002838	PTPRC
A_21_P0007892	5,86227	5,9219	-1,04219844	N/A	N/A	N/A	Inc-TMEM116-1
A_22_P00002067	1,46281	1,52245	-1,042205664	N/A	N/A	AK091275	Inc-BLID-3
A_22_P00005576	1,37996	1,43968	-1,042263457	ENST00000446139	104355290	NR_126406	MIR217HG
A_33_P3235491	5,36268	5,42243	-1,042285131	N/A	N/A	N/A	N/A
A_33_P3317548	5,68229	5,74206	-1,04229958	N/A	N/A	N/A	N/A
A_23_P86632	9,64592	9,70576	-1,042350154	ENST00000378242	64421	NM_001033858	DCLRE1C
A_21_P0000490	4,75908	4,81892	-1,042350154	N/A	692229	NR_004381	SNORD105
A_33_P3293138	3,41989	3,47975	-1,042364604	N/A	N/A	N/A	N/A
A_21_P0009857	1,43002	1,48991	-1,04238628	ENST00000448013	N/A	N/A	N/A
A_23_P85392	12,964	13,0239	-1,042393505	ENST00000306256	11079	NM_007033	RER1
A_22_P00017265	1,82513	1,88509	-1,042436858	N/A	554201	NR_038850	CCDC148-AS1
A_23_P106145	12,6423	12,7023	-1,042465761	ENST00000555069	30001	GQ129372	ERO1L
A_23_P100632	16,1199	16,18	-1,042538022	ENST00000481647	51155	NM_001002033	HN1
A_24_P121271	11,302	11,3621	-1,042538022	ENST00000266679	11052	NM_007007	CPSF6
A_33_P3264835	1,37693	1,43704	-1,042545248	ENST00000374757	5909	N/A	RAP1GAP
A_33_P3374162	1,35738	1,41756	-1,042595834	ENST00000390399	N/A	AB305921	N/A
A_21_P0011109	17,0071	17,0673	-1,042610287	ENST00000477404	6232	NM_001030	RPS27
A_21_P0010562	6,74351	6,80376	-1,042646422	N/A	N/A	N/A	XLOC_I2_000427
A_33_P3292650	1,37612	1,43639	-1,042660876	ENST00000356291	389208	NM_207407	TMPRSS11F
A_22_P00016774	3,39514	3,45543	-1,042675331	N/A	N/A	N/A	Inc-TRIM41-1
A_23_P27983	5,05305	5,11335	-1,042682558	ENST00000589298	333	NM_005166	APLP1
A_23_P132388	11,2157	11,276	-1,042682558	ENST00000252785	9997	NM_005138	SCO2
A_33_P3411325	6,16646	6,22679	-1,04270424	N/A	N/A	N/A	N/A
A_22_P00013063	1,69433	1,75468	-1,042718695	ENST00000559967	283761	NR_027074	LINC00928

A_22_P00012162	1,40039	1,46075	-1,042725923	N/A	101928300	XR_243033	LOC101928300
A_23_P9443	11,6933	11,7537	-1,042754834	ENST00000461539	51759	NM_016520	C9orf78
A_33_P3365810	12,0798	12,1402	-1,042754834	ENST00000541223	6182	NM_002949	MRPL12
A_24_P357037	11,4434	11,5038	-1,042754834	ENST00000481546	7327	NM_182688	UBE2G2
A_33_P3319006	6,21473	6,27515	-1,04276929	ENST00000371634	733	NM_000606	C8G
A_33_P3333900	1,37199	1,43242	-1,042776517	N/A	100129572	AK096041	LOC100129572
A_22_P00023203	1,37019	1,43067	-1,042812658	N/A	N/A	N/A	Inc-ATG2B-3
A_33_P3348639	14,2101	14,2706	-1,042827115	ENST00000395309	3895	NM_001271014	KTN1
A_32_P10272	10,9261	10,9866	-1,042827115	ENST00000275546	5383	NR_027775	PMS2P5
A_23_P201790	13,6556	13,7161	-1,042827115	ENST00000391959	4660	NM_002481	PPP1R12B
A_23_P31055	12,5673	12,6278	-1,042827115	ENST00000340413	348995	NM_198887	NUP43
A_23_P347541	3,93255	3,99306	-1,042834343	ENST00000361820	116443	NM_133445	GRIN3A
A_21_P0009945	1,39983	1,46037	-1,042856028	N/A	N/A	N/A	Inc-SSTR4-5
A_24_P79070	4,87325	4,9338	-1,042863257	ENST00000300873	94235	NM_033258	GNG8
A_24_P284523	9,91595	9,97653	-1,042884943	ENST00000253055	4294	NM_002446	MAP3K10
A_19_P00802587	3,5566	3,6172	-1,0428994	ENST00000435044	N/A	N/A	N/A
A_21_P0001904	1,36622	1,42682	-1,0428994	ENST00000426124	N/A	N/A	N/A
A_22_P00015867	4,24443	4,30505	-1,042913858	N/A	N/A	N/A	Inc-TBX15-2
A_33_P3332885	6,97632	7,03695	-1,042921087	ENST00000377600	11120	NM_001197234	BTN2A1
A_32_P377880	1,36069	1,42136	-1,042950003	ENST00000326524	2668	NM_001190468	GDNF
A_21_P0009421	1,35438	1,41508	-1,042971691	ENST00000566101	101927900	NR_110791	LINC01477
A_22_P00009276	1,73332	1,79405	-1,042993379	N/A	N/A	N/A	Inc-LRRC16A-1
A_33_P3268174	9,98915	10,0499	-1,043007838	ENST00000379485	89890	NM_152903	KBTBD6
A_22_P00006356	1,39788	1,45863	-1,043007838	ENST00000454882	N/A	N/A	N/A
A_23_P134714	10,7839	10,8447	-1,043043987	ENST00000522791	10247	NM_005836	HRSP12
A_24_P358164	16,1331	16,1939	-1,043043987	ENST00000483479	653162	NR_026890	RPSAP9
A_23_P351535	4,5208	4,58165	-1,043080137	ENST00000449830	100131454	NR_024120	DBIL5P
A_21_P0009271	4,76137	4,82225	-1,043101827	N/A	N/A	N/A	Inc-GPR142-1
A_33_P6549164	16,215	16,2759	-1,043116288	ENST00000473357	66035	AK055523	SLC2A11
A_21_P0003255	3,14189	3,20279	-1,043116288	N/A	N/A	N/A	Inc-P2RY1-3
A_33_P3320418	1,74379	1,80477	-1,043174132	N/A	N/A	N/A	N/A
A_23_P92349	9,52367	9,58466	-1,043181363	ENST00000398484	53834	NM_001004356	FGFRL1
A_23_P9415	10,2022	10,2632	-1,043188594	ENST00000541043	48	NM_002197	ACO1

A_33_P3350580	3,4968	3,55782	-1,043203055	N/A	N/A	AK131548	N/A
A_22_P00017490	4,94773	5,00876	-1,043210286	N/A	104413891	NR_126423	SAPCD1-AS1
A_22_P00010810	8,32364	8,38472	-1,043246442	N/A	N/A	N/A	Inc-NMNAT1-2
A_32_P179676	9,71713	9,77821	-1,043246442	ENST00000602145	10766	NM_016272	TOB2
A_32_P80068	13,077	13,1381	-1,043260904	ENST00000502784	29121	NM_001004419	CLEC2D
A_22_P00012149	1,70128	1,76242	-1,04328983	ENST00000503691	N/A	N/A	N/A
A_23_P19702	12,6773	12,7385	-1,04333322	ENST00000470466	23118	NM_015093	TAB2
A_23_P64280	6,18914	6,25039	-1,04336938	ENST00000624557	N/A	AY358681	N/A
A_24_P914625	1,3969	1,45816	-1,043376612	ENST00000611697	389206	NM_207406	BEND4
A_21_P0006395	10,2541	10,3154	-1,043405541	N/A	N/A	N/A	Inc-PTGES2-1
A_22_P00021615	1,38901	1,45037	-1,043448936	N/A	N/A	N/A	Inc-MDGA1-1
A_21_P0002049	1,38636	1,44774	-1,043463401	ENST00000430650	400952	N/A	LINC01121
A_22_P00001736	1,3836	1,44503	-1,043499566	N/A	N/A	N/A	Inc-ATL1-1
A_33_P3312212	8,27182	8,33325	-1,043499566	ENST00000506652	5562	NM_206907	PRKAA1
A_22_P00000483	5,97189	6,03334	-1,043514032	ENST00000598053	100132815	NR_103742	IPO5P1
A_21_P0013143	8,3468	8,40829	-1,043542964	ENST00000436672	N/A	N/A	N/A
A_23_P30283	9,62034	9,68184	-1,043550198	ENST00000312637	345757	XM_006714600	FAM174A
A_21_P0000899	5,62841	5,68996	-1,043586365	N/A	100506990	NR_040091	LOC100506990
A_33_P3326922	2,94537	3,00695	-1,043608066	N/A	N/A	AK129975	N/A
A_21_P0014042	3,26745	3,32903	-1,043608066	ENST00000381596	10326	NM_001135844	SIRPB1
A_32_P95223	11,7862	11,8478	-1,043622534	ENST00000453932	619190	NR_003262	FDPSP2
A_22_P00008848	2,99489	3,05655	-1,043665938	N/A	N/A	BF979447	Inc-KLF7-1
A_23_P54006	13,0792	13,1409	-1,043694875	ENST00000399332	25831	NM_015382	HECTD1
A_22_P00008073	3,38403	3,44575	-1,043709343	N/A	N/A	N/A	Inc-IKBKE-1
A_22_P00020102	1,37103	1,43284	-1,043774455	ENST00000425322	N/A	N/A	N/A
A_33_P3400224	5,07922	5,14105	-1,043788925	ENST00000466569	22873	NM_014934	DZIP1
A_33_P3225600	1,85433	1,91617	-1,04379616	ENST00000464747	4780	NM_006164	NFE2L2
A_21_P0003380	2,92653	2,9884	-1,043817866	ENST00000506460	N/A	N/A	N/A
A_21_P0007763	12,3657	12,4276	-1,043839571	ENST00000590479	51275	NR_015404	MAPKAPK5-AS1
A_23_P71241	12,8475	12,9094	-1,043839571	ENST00000450622	23480	NM_014302	SEC61G
A_22_P00001692	4,48082	4,54278	-1,043882984	N/A	N/A	N/A	Inc-ATAD1-2
A_21_P0014618	5,13276	5,19475	-1,043904692	N/A	101928521	XR_246615	LOC101928521
A_23_P115824	11,7021	11,7641	-1,043911927	ENST00000265866	3189	NM_012207	HNRNPH3

A_24_P75230	15,1823	15,2443	-1,043911927	ENST00000503948	103910	NM_033546	MYL12B
A_23_P88033	1,36768	1,42976	-1,043969816	ENST00000376143	2259	NM_175929	FGF14
A_23_P74097	9,6748	9,73689	-1,043977052	ENST00000613537	6924	NM_003198	TCEB3
A_22_P00016458	1,39472	1,45682	-1,043984288	N/A	157376	NR_103547	FER1L6-AS2
A_22_P00001495	1,35478	1,41693	-1,044020471	N/A	N/A	N/A	Inc-ARFIP1-2
A_21_P0014919	3,83266	3,89482	-1,044027707	N/A	100130148	NR_024560	MAPT-IT1
A_33_P3275226	1,3919	1,45409	-1,044049418	ENST00000414750	101927156	N/A	LOC101927156
A_23_P96777	11,7699	11,8321	-1,044056654	ENST00000378251	57470	NM_020710	LRRC47
A_23_P162982	10,3391	10,4013	-1,044056654	ENST00000313250	10901	NM_021004	DHRS4
A_33_P3272539	10,5267	10,5889	-1,044056654	ENST00000377725	57449	NM_001265594	PLEKHG5
A_21_P0003765	1,37614	1,43837	-1,044078365	N/A	N/A	N/A	Inc-ANXA5-1
A_22_P00006296	5,93846	6,00074	-1,044114551	N/A	N/A	CU688373	Inc-FAM83H-1
A_21_P0012555	6,29877	6,36109	-1,0441435	ENST00000496403	N/A	N/A	N/A
A_33_P3531204	4,29537	4,35772	-1,044165213	N/A	542767	NM_001135816	C1QTNF9B-AS1
A_21_P0007412	3,99279	4,05518	-1,044194164	N/A	N/A	N/A	Inc-BLID-1
A_23_P102122	15,8234	15,8858	-1,044201401	ENST00000470146	10109	NM_152862	ARPC2
A_33_P3282740	5,66667	5,72912	-1,044237591	ENST00000435115	57234	NR_111950	LINC00869
A_23_P258018	8,32337	8,38584	-1,044252068	ENST00000513662	4636	NM_002477	MYL5
A_23_P3514	11,8832	11,9457	-1,044273782	ENST00000564150	29105	NM_013242	CFAP20
A_24_P114438	6,04872	6,11123	-1,044281021	ENST00000284719	29789	NM_013341	OLA1
A_21_P0002504	1,39183	1,45438	-1,044309975	N/A	N/A	N/A	Inc-POTEF-3
A_21_P0011715	7,71844	7,78101	-1,044324452	ENST00000619327	100507290	N/A	ZNF865
A_21_P0011307	3,14542	3,208	-1,044331691	ENST00000567075	N/A	N/A	N/A
A_21_P0000737	1,52626	1,58884	-1,044331691	N/A	100507433	NR_038247	ZNF571-AS1
A_21_P0002437	1,7256	1,78823	-1,044367885	N/A	N/A	N/A	Inc-PIGF-3
A_23_P64689	9,33969	9,40245	-1,044461997	ENST00000548043	9924	NM_014871	PAN2
A_21_P0009085	1,64315	1,70594	-1,044483716	ENST00000595886	400550	NR_033925	FENDRR
A_33_P3265606	12,6887	12,7515	-1,044490956	ENST00000619076	2730	NM_002061	GCLM
A_24_P54178	12,0194	12,0822	-1,044490956	ENST00000370290	50999	NM_016040	TMED5
A_21_P0001487	1,38904	1,45185	-1,044498196	N/A	N/A	N/A	Inc-MATN1-1
A_21_P0006359	1,36025	1,42307	-1,044505435	N/A	N/A	N/A	Inc-C9orf102-3
A_22_P00004109	3,91819	3,98108	-1,044556116	N/A	N/A	N/A	Inc-CLCN3-1
A_22_P00007240	9,40332	9,46622	-1,044563357	N/A	N/A	N/A	Inc-GPR12-1

A_22_P00023598	1,35286	1,4158	-1,044592319	N/A	N/A	AK128174	Inc-HSPA4-2
A_23_P67646	1,39543	1,45838	-1,044599559	ENST00000586334	26330	NM_014364	GAPDHS
A_22_P00013504	1,39457	1,45754	-1,044614041	ENST00000355869	100507065	N/A	LOC100507065
A_21_P0011796	12,239	12,302	-1,044635763	ENST00000342073	N/A	N/A	N/A
A_22_P00011639	10,7779	10,8409	-1,044635763	N/A	101927206	XR_241444	LOC101927206
A_23_P25638	10,3794	10,4424	-1,044635763	ENST00000282003	79596	NM_024546	RNF219
A_23_P155989	7,90935	7,97236	-1,044643004	ENST00000242872	64105	NM_022145	CENPK
A_21_P0014878	3,79669	3,85971	-1,044650245	N/A	N/A	AI432163	N/A
A_22_P00023324	5,76108	5,82411	-1,044657486	N/A	N/A	AK093543	Inc-RNF149-2
A_33_P3285092	4,88566	4,94872	-1,044679209	N/A	100129763	AK126123	LOC100129763
A_22_P00025587	5,06985	5,13292	-1,04468645	ENST00000445172	N/A	XR_108641	N/A
A_22_P00016050	1,36994	1,43303	-1,044700933	ENST00000424257	N/A	N/A	N/A
A_33_P3218797	11,9618	12,0249	-1,044708174	ENST00000370177	79144	N/A	PPDPF
A_24_P405054	9,51442	9,57752	-1,044708174	ENST00000486763	26099	NM_001114600	SZRD1
A_21_P0007613	1,54557	1,6087	-1,044729898	N/A	N/A	N/A	Inc-C12orf48-3
A_19_P00802238	1,95256	2,01576	-1,04478059	N/A	N/A	N/A	Inc-FBXW4-1
A_22_P00011012	1,37347	1,43669	-1,044795074	N/A	N/A	N/A	Inc-NSUN6-1
A_21_P0014136	2,51497	2,57819	-1,044795074	N/A	N/A	BX369009	N/A
A_21_P0010088	9,96616	10,0294	-1,044809558	ENST00000595203	101927326	XR_244183	LOC101927326
A_22_P00008925	3,67471	3,73797	-1,044824042	N/A	N/A	DB056977	Inc-KRAS-1
A_22_P00008919	3,44592	3,5092	-1,044838527	ENST00000444330	N/A	N/A	N/A
A_24_P316305	9,61601	9,67931	-1,044853011	ENST00000156471	9716	AK001173	AQR
A_23_P379327	10,2156	10,2789	-1,044853011	ENST00000450403	54629	NM_001040450	FAM63B
A_21_P0002728	1,37116	1,43449	-1,044874739	N/A	N/A	N/A	Inc-KCNH8-1
A_22_P00012549	1,39158	1,45495	-1,044903709	N/A	N/A	DA878172	Inc-PTGDR2-2
A_23_P31161	1,59539	1,65876	-1,044903709	ENST00000480781	1358	NM_001869	CPA2
A_33_P3369178	1,37266	1,43605	-1,044918195	ENST00000445192	10216	NM_005807	PRG4
A_23_P12062	10,6454	10,7088	-1,044925438	ENST00000316891	54802	NM_017646	TRIT1
A_33_P3214456	8,65569	8,7191	-1,04493268	ENST00000369031	57107	NM_020381	PDSS2
A_24_P932736	7,30948	7,37292	-1,044954409	ENST00000397358	79618	XM_005273639	HMBOX1
A_33_P3360097	15,4494	15,5129	-1,044997869	ENST00000567391	353	NM_000485	APRT
A_22_P00014312	2,41281	2,47633	-1,045012356	ENST00000456505	221241	NR_027245	LINC00305
A_21_P0012218	1,3891	1,45262	-1,045012356	N/A	N/A	N/A	XLOC_I2_009136

A_21_P0007676	3,37601	3,43954	-1,045019599	N/A	N/A	N/A	Inc-SLC6A12-5
A_21_P0013289	4,18536	4,24899	-1,045092037	N/A	646588	XR_426148	LOC646588
A_24_P80338	9,00483	9,06847	-1,045099281	ENST00000233027	6787	NM_003157	NEK4
A_22_P00019409	1,39397	1,45762	-1,045106525	ENST00000457518	N/A	N/A	N/A
A_32_P305020	1,72053	1,78418	-1,045106525	ENST00000391854	2786	NM_001098722	GNG4
A_33_P3375398	9,85556	9,91924	-1,045128258	ENST00000568546	10607	NM_006453	TBL3
A_33_P3760125	12,0173	12,081	-1,045142746	ENST00000458667	102725353	AK026667	LOC102725353
A_21_P0000096	1,35339	1,41709	-1,045142746	N/A	56265	NM_019609	CPXM1
A_33_P3272264	1,69697	1,76067	-1,045142746	ENST00000376345	79018	N/A	GID4
A_23_P5945	11,3966	11,4603	-1,045142746	ENST00000484417	60625	NM_021931	DHX35
A_19_P00315705	4,79768	4,86138	-1,045142746	ENST00000430266	101927354	NR_108073	LOC101927354
A_33_P3399492	12,0953	12,159	-1,045142746	ENST00000436493	6389	NM_004168	SDHA
A_21_P0008602	1,71636	1,78009	-1,04516448	ENST00000557523	503519	N/A	LINC00929
A_33_P3262083	2,16054	2,22429	-1,045178969	N/A	100126784	NR_015384	LOC100126784
A_23_P79441	8,10718	8,17094	-1,045186213	ENST00000420306	54980	NM_017880	C2orf42
A_33_P6472133	8,96641	9,03017	-1,045186213	ENST00000463420	201651	NR_026915	AADACP1
A_22_P00020109	4,56793	4,63171	-1,045200703	N/A	N/A	BX484563	Inc-MPHOSPH8-3
A_22_P00014131	1,68156	1,74536	-1,045215193	N/A	N/A	N/A	Inc-SCGB1D4-1
A_33_P3277514	2,2226	2,28646	-1,045258663	ENST00000308731	695	NM_001287344	BTK
A_22_P00018230	1,41527	1,47915	-1,045273153	N/A	N/A	N/A	Inc-ZNF680-2
A_33_P6753179	1,37166	1,43558	-1,045302135	ENST00000421951	645784	DQ786297	ANKRD36BP2
A_21_P0009538	1,35401	1,41795	-1,045316626	N/A	N/A	N/A	Inc-DSC3-2
A_23_P18993	4,50231	4,56627	-1,045331117	ENST00000452157	166968	NM_152622	MIER3
A_33_P3255701	3,77657	3,84054	-1,045338363	ENST00000358748	401554	XR_108962	FLJ46836
A_33_P3246883	12,8399	12,9039	-1,0453601	ENST00000408915	93099	NM_033317	DMKN
A_24_P95822	10,5939	10,6579	-1,0453601	ENST00000564551	27020	NM_012428	NPTN
A_33_P3341891	4,25233	4,31634	-1,045367346	ENST00000414848	646268	NR_033946	LOC646268
A_21_P0011984	1,35493	1,41896	-1,045381838	ENST00000601136	101927687	TCONS_I2_00015065	LOC101927687
A_23_P415395	1,39359	1,45764	-1,04539633	ENST00000595891	85509	NM_145208	MBD3L1
A_33_P3321293	10,741	10,8051	-1,045432562	ENST00000361170	128239	NM_178229	IQGAP3
A_24_P91310	11,8989	11,963	-1,045432562	ENST00000601194	5704	NM_006503	PSMC4
A_21_P0011063	1,40849	1,47263	-1,045461548	N/A	N/A	N/A	XLOC_I2_003133
A_33_P3238651	1,36194	1,42611	-1,045483287	ENST00000404489	645840	NM_001039783	TXNRD3NB



A_33_P3409886	8,10603	8,17021	-1,045490534	ENST00000316509	6844	NM_014232	VAMP2
A_23_P155288	11,3909	11,4551	-1,045505028	ENST00000478254	85476	NM_024996	GFM1
A_21_P0010982	11,8949	11,9591	-1,045505028	ENST00000534336	378938	NR_002819	MALAT1
A_22_P00006018	10,0393	10,1035	-1,045505028	ENST00000565797	N/A	BC067908	N/A
A_33_P3320548	10,8071	10,8713	-1,045505028	ENST00000489145	11097	NM_007342	NUPL2
A_33_P3277238	1,53275	1,59698	-1,045526769	ENST00000603173	10367	XM_005269387	MICU1
A_22_P00010413	2,48662	2,55088	-1,04554851	N/A	N/A	N/A	Inc-MYOC-1
A_33_P3242659	5,61569	5,68005	-1,045620985	ENST00000378826	63971	NM_022113	KIF13A
A_21_P0014889	2,76622	2,8306	-1,04563548	ENST00000533434	100507431	NR_125383	LOC100507431
A_22_P00022711	1,38612	1,45051	-1,045642728	ENST00000446557	N/A	N/A	N/A
A_33_P3422559	1,39131	1,4557	-1,045642728	N/A	100132071	AK128253	LOC100132071
A_21_P0011053	2,12246	2,18694	-1,045707961	N/A	N/A	N/A	XLOC_I2_003066
A_22_P00013430	13,6484	13,7129	-1,045722457	ENST00000256015	694	NM_001731	BTG1
A_33_P3256095	11,7369	11,8014	-1,045722457	N/A	N/A	N/A	XLOC_I2_001324
A_24_P183864	11,2153	11,2798	-1,045722457	ENST00000256108	3612	NM_005536	IMPA1
A_19_P00321461	7,24497	7,30948	-1,045729706	ENST00000512915	N/A	N/A	N/A
A_21_P0003247	1,772	1,83653	-1,045744203	N/A	N/A	N/A	Inc-CCDC54-2
A_22_P00004369	1,35217	1,41675	-1,045780446	N/A	N/A	N/A	Inc-COL4A3BP-1
A_33_P3326898	4,38289	4,44756	-1,045845687	N/A	N/A	N/A	N/A
A_23_P97932	12,6823	12,747	-1,045867435	ENST00000468633	22921	NM_012228	MSRB2
A_24_P154037	10,2037	10,2684	-1,045867435	ENST00000375856	8660	NM_003749	IRS2
A_23_P48610	11,1979	11,2626	-1,045867435	ENST00000557041	90809	NM_144568	TMEM55B
A_21_P0012702	1,36907	1,43377	-1,045867435	N/A	N/A	N/A	XLOC_I2_011413
A_22_P00016033	2,76278	2,82749	-1,045874685	ENST00000450746	101928015	XR_245199	LOC101928015
A_21_P0004247	3,9995	4,06421	-1,045874685	N/A	N/A	N/A	Inc-AC114947.1.1-2
A_23_P143981	1,5698	1,63452	-1,045881934	ENST00000492059	2199	NM_001004019	FBLN2
A_22_P00009971	1,39008	1,45483	-1,045903683	N/A	N/A	N/A	Inc-MKI67IP-6
A_23_P42322	4,57606	4,64082	-1,045910932	ENST00000433947	1302	NM_080680	COL11A2
A_24_P255384	5,67982	5,74461	-1,045932682	ENST00000394891	N/A	N/A	N/A
A_33_P3339820	15,72	15,7848	-1,045939932	ENST00000371059	3953	NM_001003680	LEPR
A_23_P74799	12,2096	12,2744	-1,045939932	ENST00000370041	29957	NM_213651	SLC25A24
A_33_P3407013	1,39168	1,45649	-1,045947182	ENST00000406575	3569	XM_005249745	IL6
A_33_P3393543	1,38918	1,45399	-1,045947182	N/A	400692	AL831916	LOC400692

A_33_P3383044	1,38069	1,44551	-1,045954432	ENST00000476298	27077	N/A	B9D1
A_22_P00014901	5,57113	5,63596	-1,045961682	N/A	100506023	N/A	LOC100506023
A_23_P17330	9,52956	9,59443	-1,045990682	ENST00000369908	54963	NM_017859	UCKL1
A_22_P00008559	4,91512	4,98	-1,045997933	ENST00000506392	101927059	XR_246560	LOC101927059
A_32_P69465	9,55106	9,61601	-1,046048686	ENST00000410014	729967	NM_001145450	MORN2
A_33_P3445679	6,6008	6,66576	-1,046055937	ENST00000617777	400123	NR_033877	LINC00548
A_22_P00020040	5,7781	5,84307	-1,046063187	N/A	N/A	HY037890	Inc-SPAG1-4
A_33_P3295415	4,82147	4,88644	-1,046063187	ENST00000394807	79842	NM_024784	ZBTB3
A_33_P3294459	7,51055	7,57554	-1,046077689	N/A	53844	AK123640	COPG2IT1
A_23_P117274	9,12332	9,18832	-1,04608494	ENST00000382172	4285	NM_005932	MIPEP
A_21_P0007617	1,3909	1,45592	-1,046099442	N/A	N/A	N/A	Inc-RP11-552114.1.1-1
A_33_P3266839	1,71525	1,7803	-1,046121195	ENST00000480336	728116	NM_001145720	ZBTB8B
A_32_P488818	1,39074	1,45583	-1,0461502	ENST00000510035	285525	NM_182592	YIPF7
A_33_P3231005	16,0099	16,0751	-1,046229968	N/A	N/A	N/A	N/A
A_33_P3297285	3,52433	3,58961	-1,046287985	N/A	N/A	AK124758	N/A
A_23_P121396	8,6969	8,76218	-1,046287985	ENST00000469657	131118	NM_145261	DNAJC19
A_23_P209904	15,0891	15,1544	-1,04630249	ENST00000264039	2817	NM_002081	GPC1
A_33_P3376478	6,12531	6,19063	-1,046316995	ENST00000369887	1586	NM_000102	CYP17A1
A_22_P00005894	4,44267	4,50802	-1,046338752	ENST00000590328	N/A	N/A	N/A
A_21_P0003710	4,90282	4,9682	-1,046360511	N/A	N/A	N/A	Inc-FAM53A-1
A_33_P3414912	6,53224	6,59762	-1,046360511	ENST00000488424	80896	NM_001200056	NPL
A_33_P3240482	1,35236	1,41775	-1,046367763	N/A	391518	NR_002311	VENTXP7
A_22_P00007994	1,56562	1,63102	-1,046375016	N/A	N/A	BX108877	Inc-IFIT2-1
A_32_P3556	12,504	12,5694	-1,046375016	ENST00000568784	55737	NM_018206	VPS35
A_21_P0010777	1,50692	1,5724	-1,046433041	N/A	100289211	N/A	LINC00624
A_33_P3336387	7,45998	7,52547	-1,046440295	ENST00000480071	196743	NM_207128	PAOX
A_32_P129527	10,5135	10,579	-1,046447548	ENST00000418781	55780	NM_018341	ERMARD
A_22_P00004770	2,26189	2,32741	-1,046462055	N/A	N/A	AK097851	Inc-CTU2-1
A_21_P0008322	3,03771	3,10323	-1,046462055	ENST00000554829	N/A	N/A	N/A
A_33_P3301970	8,57482	8,64035	-1,046469309	ENST00000392249	55437	NM_018571	STRADB
A_21_P0011285	2,7105	2,77603	-1,046469309	N/A	N/A	N/A	XLOC_I2_004553
A_22_P00020897	5,16444	5,22998	-1,046476562	N/A	N/A	CR749680	Inc-RPP38-2
A_22_P00009977	1,35624	1,42181	-1,046498323	N/A	N/A	N/A	Inc-MKKS-3

A_22_P00021964	7,86177	7,92738	-1,046527339	ENST00000528781	101928813	N/A	LOC101928813
A_22_P00003063	1,43069	1,49636	-1,046570863	N/A	N/A	N/A	Inc-C8orf22-6
A_21_P0005378	6,83099	6,89668	-1,046585372	N/A	N/A	N/A	Inc-ABCA13-1
A_24_P295999	12,1641	12,2298	-1,046592627	ENST00000011653	920	NM_000616	CD4
A_23_P258570	11,4093	11,475	-1,046592627	ENST00000361815	5716	NM_002814	PSMD10
A_23_P305140	10,072	10,1377	-1,046592627	ENST00000369883	119032	NM_144591	C10orf32
A_33_P3262108	1,36286	1,4286	-1,046621645	N/A	N/A	N/A	N/A
A_33_P3341325	1,37564	1,44142	-1,046650664	ENST00000448737	N/A	N/A	N/A
A_22_P00017596	1,3631	1,42892	-1,046679683	ENST00000558866	N/A	BF214562	N/A
A_22_P00005305	5,57687	5,64275	-1,046723214	N/A	100874130	NR_120399	ENOX1-AS2
A_21_P0009332	3,7598	3,82568	-1,046723214	N/A	N/A	N/A	Inc-COL1A1-4
A_21_P0010678	2,1896	2,25549	-1,04673047	ENST00000435973	101927504	XR_247091	LOC101927504
A_22_P00004265	7,94504	8,01094	-1,046737725	N/A	N/A	N/A	Inc-CMTM5-1
A_22_P00000593	1,76163	1,82754	-1,046744981	N/A	N/A	AI927428	Inc-ACAD10-1
A_33_P3293381	1,38294	1,44885	-1,046744981	ENST00000428466	83937	N/A	RASSF4
A_23_P143694	2,18462	2,25053	-1,046744981	ENST00000396884	6663	NM_006941	SOX10
A_33_P3236077	1,38967	1,4556	-1,046759492	ENST00000511148	645104	NM_001079827	CLRN2
A_23_P254472	11,1124	11,1784	-1,046810282	ENST00000545879	79624	NM_024573	C6orf211
A_22_P00023527	8,05773	8,12374	-1,046817538	ENST00000591886	N/A	N/A	N/A
A_23_P155332	13,052	13,1181	-1,046882844	ENST00000460231	57092	NM_020357	PCNP
A_22_P00013194	4,96513	5,03126	-1,046904613	ENST00000523870	N/A	BG190865	N/A
A_33_P3214914	1,51702	1,58316	-1,04691187	ENST00000561890	100507679	NM_001198815	MUC22
A_21_P0003615	1,36111	1,42727	-1,046926383	N/A	N/A	N/A	Inc-LPHN3-2
A_22_P00005487	1,36182	1,42799	-1,04693364	ENST00000400306	100507175	NR_103861	LOC100507175
A_22_P00002044	8,20137	8,26756	-1,046948154	ENST00000618166	9522	NM_004866	SCAMP1
A_23_P28733	7,87924	7,94544	-1,046955411	ENST00000373664	5933	NM_002895	RBL1
A_21_P0009349	1,36685	1,43308	-1,046977182	N/A	N/A	N/A	Inc-C17orf58-5
A_21_P0004263	1,37797	1,4442	-1,046977182	N/A	N/A	N/A	Inc-MCCC2-2
A_23_P110879	9,11309	9,17934	-1,046991696	ENST00000532708	10758	NM_147686	TRAF3IP2
A_22_P00003786	6,69714	6,76341	-1,047006211	ENST00000605952	285973	NM_173681	ATG9B
A_24_P246467	8,12269	8,18899	-1,047027983	ENST00000417080	1386	NM_001880	ATF2
A_21_P0001713	1,69601	1,76232	-1,04703524	N/A	N/A	N/A	Inc-LYPLAL1-1
A_23_P304509	1,36561	1,43194	-1,047049755	ENST00000298454	196740	NM_144984	VSTM4

A_21_P0013472	4,81413	4,88047	-1,047057013	N/A	N/A	N/A	XLOC_I2_014182
A_21_P0006304	2,67938	2,74584	-1,047144108	N/A	N/A	N/A	Inc-ERP44-3
A_33_P3290945	8,03298	8,09945	-1,047151367	ENST00000465560	55037	NM_017952	PTCD3
A_21_P0011276	6,58929	6,65578	-1,047165883	ENST00000619210	503639	AB451460	DUXAP10
A_33_P3267745	5,12358	5,19017	-1,04723847	ENST00000561457	90120	NM_001256526	C9orf69
A_33_P3230688	13,2583	13,3249	-1,047245729	ENST00000472018	8558	NM_052988	CDK10
A_33_P3232965	2,24748	2,31409	-1,047252988	ENST00000316081	221400	NM_001010870	TDRD6
A_22_P00017824	1,57132	1,63795	-1,047267506	N/A	N/A	DB307814	Inc-ZC3H12B-4
A_32_P52911	9,05036	9,117	-1,047274765	ENST00000327435	55256	NM_018269	ADI1
A_21_P0009480	1,64266	1,70933	-1,047296543	N/A	N/A	N/A	Inc-DCC-1
A_23_P391725	11,2718	11,3385	-1,047318321	ENST00000481583	1810	NM_001938	DR1
A_22_P00008943	13,3026	13,3693	-1,047318321	ENST00000327741	3887	NM_002281	KRT81
A_24_P229151	1,70165	1,76841	-1,047361878	ENST00000390458	N/A	D13076	N/A
A_23_P35230	10,17	10,2368	-1,047390918	ENST00000480003	4179	NM_172350	CD46
A_33_P3502305	1,96481	2,03163	-1,047405438	N/A	100132101	AF071178	HERC2P7
A_23_P360179	9,66552	9,73237	-1,047427218	ENST00000573186	84461	NM_032442	NEURL4
A_32_P123143	1,5291	1,59596	-1,047434478	ENST00000303230	348980	NM_021072	HCN1
A_32_P381593	1,59206	1,65893	-1,047441739	ENST00000309536	115111	NM_134266	SLC26A7
A_23_P426989	10,4129	10,4798	-1,04746352	ENST00000475978	80851	NM_030645	SH3BP5L
A_24_P208045	10,3575	10,4244	-1,04746352	ENST00000439962	80267	NM_025191	EDEM3
A_22_P00010086	6,28181	6,34876	-1,047499823	N/A	100874197	NR_046563	EFCAB6-AS1
A_24_P418619	15,9768	16,0438	-1,047536127	ENST00000460492	6204	NM_001014	RPS10
A_33_P3260455	8,41349	8,48049	-1,047536127	N/A	N/A	N/A	N/A
A_33_P3365267	3,79556	3,86261	-1,047572433	N/A	N/A	N/A	N/A
A_24_P268786	9,69242	9,75965	-1,047703143	ENST00000602751	55892	NM_018657	MYNN
A_21_P0010817	3,29857	3,36581	-1,047710405	N/A	N/A	N/A	XLOC_I2_001549
A_21_P0012943	4,77731	4,84458	-1,047732192	N/A	N/A	N/A	XLOC_I2_011620
A_23_P63929	11,0875	11,1548	-1,047753979	ENST00000605543	55717	NM_018117	WDR11
A_21_P0013506	3,75593	3,82326	-1,047775766	N/A	N/A	N/A	XLOC_I2_014423
A_33_P3381851	8,85634	8,92369	-1,047790292	ENST00000380095	353333	NM_181688	KRTAP10-10
A_33_P3332066	9,18899	9,25637	-1,04781208	ENST00000468738	399818	NM_212554	METTL10
A_22_P00020715	1,36244	1,42988	-1,047855658	ENST00000555490	N/A	N/A	N/A
A_23_P2492	11,1062	11,1737	-1,047899238	ENST00000360817	716	NM_001734	C1S

A_33_P3239267	13,8281	13,8956	-1,047899238	ENST00000333323	389119	NM_203370	FAM212A
A_33_P3224324	1,35071	1,41824	-1,047921029	ENST00000393282	50507	NM_001143836	NOX4
A_24_P32085	9,15421	9,22175	-1,047928293	ENST00000262244	79817	NM_024761	MOB3B
A_23_P255869	11,0199	11,0875	-1,047971876	ENST00000223864	55848	NM_018465	PLGRKT
A_24_P179044	6,09764	6,16526	-1,047986404	ENST00000392185	51429	NM_016224	SNX9
A_21_P0014624	2,15164	2,21926	-1,047986404	N/A	102725057	XR_424658	LOC102725057
A_22_P00025282	6,29207	6,35969	-1,047986404	N/A	N/A	XM_003118552	Inc-COL9A1-1
A_23_P38696	1,37512	1,44276	-1,048000932	ENST00000257197	1823	NM_004948	DSC1
A_22_P00003274	1,68603	1,75371	-1,048029989	N/A	100506068	NR_040041	DACT3-AS1
A_22_P00015006	1,38458	1,45227	-1,048037254	N/A	N/A	N/A	Inc-SMOC1-2
A_21_P0012960	4,33344	4,40119	-1,048080841	ENST00000515304	255187	NR_122044	LOC255187
A_33_P3415526	15,2871	15,3549	-1,048117166	ENST00000594933	N/A	N/A	N/A
A_23_P6196	10,2719	10,3397	-1,048117166	ENST00000373991	51282	NM_016558	SCAND1
A_21_P0007481	4,25125	4,31908	-1,048138961	ENST00000540684	387895	NR_033878	LINC00944
A_33_P3229241	9,95472	10,0226	-1,048175287	ENST00000369167	440689	BC110793	HIST2H2BF
A_22_P00021097	1,49	1,55788	-1,048175287	N/A	101928404	NR_110699	LOC101928404
A_24_P270814	8,64455	8,71244	-1,048182553	ENST00000300574	1398	NM_016823	CRK
A_24_P175989	11,7829	11,8508	-1,048189818	ENST00000548259	51699	NM_016226	VPS29
A_33_P3348794	3,03207	3,09999	-1,048204349	ENST00000434336	729574	NM_001282321	FAM231A
A_19_P00319800	5,72935	5,79727	-1,048204349	ENST00000435144	100287225	NR_040074	LOC100287225
A_23_P113972	9,62422	9,69215	-1,048211615	ENST00000506936	55763	NM_001024924	EXOC1
A_21_P0010584	2,01233	2,08029	-1,048233412	N/A	N/A	N/A	XLOC_I2_000696
A_22_P00006139	1,7807	1,84869	-1,04825521	N/A	N/A	AL040642	Inc-FAM186B-1
A_24_P409857	14,7428	14,8108	-1,048262476	ENST00000436324	3150	NM_004965	HMG1N1
A_24_P125561	2,86116	2,92919	-1,048284274	ENST00000250360	27180	NM_014441	SIGLEC9
A_33_P3396244	1,76767	1,83577	-1,048335138	ENST00000329476	4887	NM_000910	NPY2R
A_24_P389959	13,3766	13,4447	-1,048335138	ENST00000550171	22818	NM_016057	COPZ1
A_33_P3366221	1,37964	1,44777	-1,048356938	ENST00000477948	22854	NM_014917	NTNG1
A_33_P3353916	3,9889	4,05704	-1,048364204	ENST00000430981	6419	NM_001276325	SETMAR
A_32_P68746	10,9916	11,0598	-1,048407806	ENST00000379752	55234	NM_018225	SMU1
A_22_P00016183	6,69061	6,75885	-1,048436874	N/A	N/A	N/A	Inc-TLE3-6
A_21_P0012514	1,35755	1,42586	-1,048487746	N/A	N/A	N/A	Inc-SOX2-1
A_33_P3520693	5,54634	5,6147	-1,048524084	N/A	646903	NR_036538	LOC646903

A_21_P0003599	1,36423	1,43259	-1,048524084	ENST00000506010	N/A	N/A	N/A
A_21_P0000406	1,3519	1,42027	-1,048531352	N/A	767585	NR_003201	SNORD114-9
A_23_P101392	7,41773	7,48612	-1,048545888	ENST00000187762	79041	NM_024074	TMEM38A
A_21_P0014144	1,68572	1,75421	-1,04861857	N/A	100506858	NR_104616	LOC100506858
A_23_P252653	11,4921	11,5606	-1,048625839	ENST00000465009	10494	NM_006374	STK25
A_24_P137997	6,18389	6,25239	-1,048625839	ENST00000527740	80778	NM_030580	ZNF34
A_22_P00008079	1,35282	1,42134	-1,048640376	N/A	N/A	N/A	Inc-IKZF2-3
A_33_P3337959	2,01588	2,08441	-1,048647644	ENST00000599640	101927468	AK128227	LOC101927468
A_33_P3401782	6,65578	6,72435	-1,048676719	ENST00000594163	284325	NM_198476	C19orf54
A_33_P3255046	10,7668	10,8354	-1,048698526	N/A	N/A	N/A	N/A
A_23_P254741	10,4517	10,5203	-1,048698526	ENST00000382120	6649	NM_003102	SOD3
A_33_P3402943	2,67874	2,74742	-1,04875668	N/A	100128591	AK128705	LOC100128591
A_22_P00000825	1,71911	1,78781	-1,048771219	ENST00000436433	N/A	N/A	N/A
A_23_P360209	15,7713	15,84	-1,048771219	ENST00000361227	4537	HV963894	ND3
A_22_P00017115	1,37451	1,44323	-1,048785758	N/A	348808	NR_002811	NPHP3-AS1
A_22_P00008233	1,36214	1,43087	-1,048793028	ENST00000617323	102723766	N/A	LOC102723766
A_23_P424734	5,58001	5,64874	-1,048793028	ENST00000564324	283849	NM_178516	EXOC3L1
A_23_P80832	8,60783	8,67659	-1,048814837	ENST00000421852	90407	NM_080652	TMEM41A
A_23_P116890	7,36379	7,43256	-1,048822107	ENST00000617030	5544	NM_006249	PRB3
A_21_P0000452	1,351	1,41981	-1,048851187	N/A	100033806	NR_003347	SNORD115-32
A_23_P153037	5,88285	5,95167	-1,048858457	ENST00000579528	57547	NM_020787	ZNF624
A_21_P0011137	2,67627	2,74515	-1,048902079	N/A	N/A	N/A	XLOC_I2_003674
A_23_P300728	9,58224	9,65112	-1,048902079	ENST00000454132	64327	NM_022458	LMBR1
A_23_P388993	8,26109	8,32997	-1,048902079	ENST00000278590	85463	NM_033390	ZC3H12C
A_33_P3249696	1,34939	1,41832	-1,048938432	N/A	284215	NR_036489	DLGAP1-AS5
A_21_P0008311	1,3659	1,43487	-1,048967515	N/A	N/A	N/A	Inc-C14orf23-2
A_22_P00001748	1,42648	1,49547	-1,048982057	ENST00000429634	N/A	N/A	N/A
A_23_P360245	12,0188	12,0878	-1,048989328	ENST00000302764	134492	NM_145266	NUDCD2
A_22_P00005558	5,77864	5,84771	-1,049040226	ENST00000435627	N/A	BC044750	N/A
A_22_P00012921	3,02013	3,08921	-1,049047498	N/A	N/A	N/A	Inc-RBPMS-1
A_21_P0002362	1,35989	1,42898	-1,049054769	N/A	N/A	N/A	Inc-CCDC140-3
A_24_P71439	9,01803	9,08712	-1,049054769	ENST00000403432	23369	NM_015317	PUM2
A_21_P0004700	1,35409	1,42326	-1,049112943	ENST00000434562	N/A	N/A	N/A

A_33_P3302325	1,81924	1,88842	-1,049120214	N/A	N/A	CR737729	N/A
A_23_P145817	12,0548	12,124	-1,049134758	ENST00000476623	115416	NM_138446	MALSU1
A_21_P0002147	1,39448	1,46368	-1,049134758	N/A	N/A	N/A	Inc-PER2-1
A_33_P3353906	7,0821	7,15133	-1,049156575	N/A	N/A	N/A	N/A
A_22_P00004022	1,54109	1,61034	-1,049171119	N/A	100506497	NR_038965	LOC100506497
A_21_P0000387	4,69672	4,76599	-1,049185664	N/A	692206	NR_003071	SNORD90
A_21_P0011401	7,6054	7,67476	-1,049251118	N/A	100996255	N/A	LOC100996255
A_21_P0014635	2,63984	2,70921	-1,049258391	N/A	N/A	N/A	N/A
A_33_P3333554	4,95858	5,02797	-1,049272936	ENST00000613959	653857	BX640643	ACTR3C
A_21_P0011746	1,6842	1,75361	-1,049287483	N/A	N/A	N/A	XLOC_I2_007034
A_32_P377008	2,66482	2,73428	-1,049323849	ENST00000422194	102725299	N/A	LOC102725299
A_33_P3212804	1,69089	1,76036	-1,049331122	ENST00000467813	150297	NM_001010859	C22orf42
A_22_P00014157	10,2148	10,2843	-1,049352943	ENST00000434139	N/A	XR_241053	N/A
A_24_P222684	11,2266	11,2961	-1,049352943	ENST00000367444	6738	NM_001042369	TROVE2
A_23_P168211	11,6135	11,683	-1,049352943	ENST00000285279	81552	NM_030796	VOPP1
A_22_P00021117	4,45297	4,52247	-1,049352943	N/A	N/A	BG207856	Inc-ESCO2-2
A_23_P212329	10,3712	10,4407	-1,049352943	ENST00000602307	25930	NM_015466	PTPN23
A_23_P2601	15,9926	16,0621	-1,049352943	ENST00000614327	7184	NM_003299	HSP90B1
A_24_P304987	10,024	10,0935	-1,049352943	ENST00000355423	29115	NM_013260	SAP30BP
A_23_P54929	9,8695	9,93903	-1,049374763	ENST00000219168	57149	NM_020424	LYRM1
A_22_P00007343	7,42553	7,49511	-1,049411133	ENST00000574120	84461	NM_032442	NEURL4
A_24_P408740	11,5537	11,6233	-1,049425681	ENST00000396610	152100	NM_182523	CMC1
A_19_P00323103	6,22938	6,29904	-1,049469326	ENST00000602837	10477	N/A	UBE2E3
A_22_P00018676	1,55219	1,62186	-1,0494766	N/A	N/A	N/A	Inc-SSTR4-1
A_23_P87591	11,4554	11,5251	-1,049498424	ENST00000247843	8089	NM_006530	YEATS4
A_23_P128023	1,72923	1,79901	-1,049556622	ENST00000380224	79339	NM_033179	OR51B4
A_22_P00009095	1,33705	1,40684	-1,049563897	N/A	N/A	N/A	Inc-LHX2-2
A_24_P759674	7,0946	7,1644	-1,049571172	N/A	79991	NM_024928	OBFC1
A_32_P198990	6,48591	6,55578	-1,049622099	N/A	100131929	AK126439	LOC100131929
A_33_P3261505	7,38403	7,45391	-1,049629374	ENST00000282041	57724	NM_020964	EPG5
A_22_P00019357	1,33672	1,4066	-1,049629374	N/A	N/A	BF727361	Inc-UMPS-1
A_24_P183264	13,6877	13,7576	-1,049643925	ENST00000510787	689	NM_001037637	BTF3
A_33_P3360301	11,6871	11,757	-1,049643925	ENST00000453664	10869	NM_001199161	USP19

A_23_P110571	10,8477	10,9176	-1,049643925	ENST00000261569	375449	NM_001164664	MAST4
A_22_P00002594	1,33663	1,40655	-1,049658477	N/A	N/A	N/A	Inc-C19orf54-1
A_21_P0001720	3,00827	3,07823	-1,04968758	N/A	N/A	N/A	Inc-MTOR-2
A_24_P138713	7,36991	7,43991	-1,049716684	ENST00000299192	55027	NM_182922	HEATR3
A_23_P155939	8,50198	8,57198	-1,049716684	ENST00000610261	152687	NM_182524	ZNF595
A_33_P3376075	5,59487	5,66501	-1,049818554	N/A	N/A	N/A	N/A
A_23_P48988	3,00164	3,07182	-1,049847661	ENST00000564054	6457	NM_003027	SH3GL3
A_23_P90444	12,4242	12,4944	-1,049862215	ENST00000262633	79171	NM_024321	RBM42
A_33_P3297277	17,1985	17,2687	-1,049862215	ENST00000428806	N/A	N/A	N/A
A_33_P3380867	9,42258	9,49279	-1,049869492	ENST00000293328	6777	NM_012448	STAT5B
A_21_P0009476	7,01312	7,08333	-1,049869492	N/A	N/A	N/A	Inc-KATNAL2-4
A_24_P364954	9,67673	9,74695	-1,04987677	ENST00000579407	79701	NM_024648	OGFOD3
A_22_P00004425	3,33099	3,40122	-1,049884047	ENST00000515670	N/A	N/A	N/A
A_22_P00017402	1,69542	1,76566	-1,049891324	N/A	N/A	N/A	Inc-VCAN-1
A_24_P316939	9,71671	9,78697	-1,049905879	ENST00000474195	9208	NM_001137550	LRRFIP1
A_23_P94009	12,3828	12,4531	-1,049934989	ENST00000249299	51691	NM_016200	LSM8
A_23_P500734	10,1542	10,2245	-1,049934989	ENST00000368863	23126	NM_015100	POGZ
A_21_P0009305	6,00818	6,07853	-1,049971377	N/A	N/A	N/A	Inc-MFAP4-4
A_22_P00003503	4,49758	4,56793	-1,049971377	N/A	100129931	NR_033828	LOC100129931
A_21_P0014628	4,82324	4,89363	-1,050000489	ENST00000615955	N/A	N/A	N/A
A_33_P3334743	5,67208	5,74248	-1,050007767	ENST00000264431	9693	NM_014247	RAPGEF2
A_33_P3560878	3,89548	3,96593	-1,050044158	ENST00000556033	283587	NR_046094	LINC01146
A_33_P3420914	7,14239	7,21286	-1,050058715	ENST00000456932	N/A	XR_433169	N/A
A_33_P3292739	5,2099	5,28038	-1,050065994	ENST00000333796	377630	NM_201402	USP17L2
A_23_P30976	1,56258	1,6331	-1,050095108	ENST00000492807	2911	NM_001278065	GRM1
A_33_P3413514	5,12663	5,19716	-1,050102387	N/A	N/A	N/A	N/A
A_22_P00008720	6,43015	6,50069	-1,050109666	N/A	N/A	N/A	Inc-KIAA1598-1
A_23_P154208	10,4298	10,5005	-1,050226133	ENST00000455197	55577	NM_017567	NAGK
A_19_P00808072	8,02737	8,0981	-1,050247972	N/A	N/A	N/A	Inc-RTL1-2
A_21_P0014230	2,28702	2,35777	-1,050262532	ENST00000447915	51148	NM_001286760	CERCAM
A_21_P0001783	1,37113	1,44193	-1,050298932	ENST00000425949	100505964	NR_037881	LINC01304
A_33_P3238533	2,26137	2,33218	-1,050306212	ENST00000300227	374864	NM_001105528	CCDC178
A_21_P0009921	1,37753	1,44834	-1,050306212	ENST00000440889	N/A	N/A	N/A



A_33_P3292283	1,35183	1,42268	-1,050335333	ENST00000242109	9808	NR_022006	KIAA0087
A_22_P00009914	1,35945	1,43032	-1,050349894	N/A	N/A	N/A	Inc-MGMT-4
A_24_P110331	1,37312	1,44404	-1,050386297	ENST00000330655	255275	NM_001145113	MYADML2
A_33_P3290085	9,93636	10,0073	-1,050400858	ENST00000337673	84124	NM_032164	ZNF394
A_22_P00023644	5,40663	5,47757	-1,050400858	N/A	101928668	XR_243157	LOC101928668
A_19_P00810045	8,67274	8,74369	-1,050408139	ENST00000446594	6945	NM_170607	MLX
A_21_P0004277	1,37794	1,4489	-1,05041542	N/A	N/A	N/A	Inc-GPR98-2
A_21_P0003052	1,35322	1,42424	-1,050459106	N/A	N/A	N/A	Inc-MFSD1-1
A_23_P103812	1,34844	1,41949	-1,05048095	ENST00000367462	339479	NM_199051	BRINP3
A_22_P00003385	1,68615	1,7572	-1,05048095	N/A	N/A	N/A	Inc-CCDC103-1
A_21_P0010075	3,11199	3,18305	-1,050488232	N/A	N/A	N/A	Inc-NPBWR2-1
A_22_P00022443	1,69086	1,76193	-1,050495513	N/A	N/A	N/A	Inc-LRRC8C-1
A_23_P112311	9,0831	9,15421	-1,050524639	ENST00000450136	22954	NM_012210	TRIM32
A_33_P3240492	1,37441	1,44553	-1,050531921	ENST00000373880	84457	NM_032439	PHYHIPL
A_33_P3354564	9,35812	9,42926	-1,050546485	ENST00000409861	2820	NM_001083112	GPD2
A_23_P215454	4,34132	4,41246	-1,050546485	ENST00000380576	2006	NM_001278939	ELN
A_24_P82155	5,7472	5,81835	-1,050553767	ENST00000620154	348094	BC042002	ANKDD1A
A_21_P0006435	1,42938	1,50053	-1,050553767	ENST00000413328	N/A	N/A	N/A
A_24_P193943	7,0504	7,1216	-1,050590177	ENST00000400334	23556	NM_176787	PIGN
A_24_P114183	13,9805	14,0517	-1,050590177	ENST00000447866	2224	NM_002004	FDPS
A_33_P3325665	2,85172	2,92293	-1,050597459	N/A	84502	BC109228	JPH4
A_23_P381505	6,98919	7,06048	-1,050655718	ENST00000326715	221806	NM_001135924	VWDE
A_22_P00000462	3,13769	3,20901	-1,050677566	ENST00000414126	N/A	N/A	N/A
A_21_P0007798	1,7053	1,77667	-1,05071398	N/A	N/A	N/A	Inc-SLC15A4-2
A_33_P3408280	3,57113	3,64251	-1,050721263	N/A	N/A	N/A	N/A
A_33_P3283237	6,34445	6,41585	-1,050735829	ENST00000465888	404281	NM_206923	YY2
A_33_P3356031	5,66016	5,73157	-1,050743113	ENST00000367538	9887	N/A	SMG7
A_33_P3347037	3,82981	3,90122	-1,050743113	N/A	203429	NR_026595	FAM226A
A_33_P3282973	5,02875	5,10019	-1,050764962	ENST00000297574	79870	N/A	BAALC
A_33_P3326672	7,01856	7,09001	-1,050772246	ENST00000535338	158431	NM_001001662	ZNF782
A_32_P98227	3,76844	3,83989	-1,050772246	ENST00000429277	11155	NM_001171610	LDB3
A_21_P0004606	1,33821	1,40969	-1,050794096	N/A	N/A	N/A	Inc-QKI-2
A_21_P0012299	6,30901	6,3805	-1,05080138	ENST00000433633	N/A	N/A	N/A

A_22_P00006598	7,43656	7,50807	-1,050815947	N/A	101927675	XR_427815	LOC101927675
A_33_P3266619	1,33693	1,40844	-1,050815947	ENST00000547602	728114	XR_245977	LOC728114
A_22_P00009666	1,33767	1,40921	-1,050837798	ENST00000423311	104310353	N/A	LINC01399
A_33_P3320159	3,9885	4,06005	-1,050845082	ENST00000619643	56169	NM_031415	GSDMC
A_22_P00016813	1,37665	1,44823	-1,050866934	ENST00000512464	N/A	N/A	N/A
A_33_P3276159	1,73038	1,80197	-1,050874218	N/A	100996890	XM_003846754	LOC100996890
A_33_P3373614	1,36867	1,44028	-1,050888787	ENST00000403714	22979	NM_014971	EFR3B
A_21_P0010797	1,80764	1,87925	-1,050888787	ENST00000428687	N/A	N/A	N/A
A_23_P126677	1,71932	1,79094	-1,050896071	ENST00000370662	58511	NM_021233	DNASE2B
A_24_P187023	15,9682	16,0399	-1,050954347	ENST00000588562	N/A	N/A	N/A
A_33_P3273599	5,75001	5,82174	-1,050976201	ENST00000503952	27152	NM_015693	INTU
A_23_P88848	8,70689	8,77864	-1,05099077	ENST00000561965	54920	NM_017803	DUS2
A_21_P0005859	1,35527	1,42702	-1,05099077	N/A	N/A	N/A	Inc-JPH1-2
A_24_P390403	10,3339	10,4057	-1,051027196	ENST00000389629	23168	NM_015138	RTF1
A_33_P3315679	1,33791	1,40971	-1,051027196	ENST00000381471	2315	NM_005511	MLANA
A_23_P128396	10,9714	11,0432	-1,051027196	ENST00000392465	80196	NM_194271	RNF34
A_33_P3220390	6,64738	6,71931	-1,051121907	N/A	9589	BC028180	WTAP
A_22_P00002868	1,33891	1,41087	-1,051143765	ENST00000418282	60467	NR_026783	BPESC1
A_24_P366652	1,74567	1,81768	-1,051180195	ENST00000444228	3681	NM_005353	ITGAD
A_33_P3304082	1,3663	1,43831	-1,051180195	ENST00000577765	N/A	N/A	N/A
A_22_P00025750	4,7641	4,83623	-1,051267634	ENST00000424689	N/A	N/A	N/A
A_23_P63908	9,86908	9,94122	-1,05127492	ENST00000298746	142940	NM_139169	TRUB1
A_23_P214037	15,1251	15,1973	-1,051318643	ENST00000502784	4869	NM_002520	NPM1
A_33_P3411628	2,03749	2,10977	-1,051376942	ENST00000380150	1029	NM_000077	CDKN2A
A_22_P00012941	6,63805	6,71034	-1,051384229	ENST00000519134	N/A	DB201663	N/A
A_33_P3253365	6,53507	6,60743	-1,051435244	ENST00000618777	N/A	AB051501	N/A
A_21_P0001650	1,34805	1,42042	-1,051442532	N/A	N/A	N/A	Inc-PLD5-2
A_21_P0014948	8,29807	8,37046	-1,051457108	ENST00000575568	N/A	XR_431075	N/A
A_21_P0002733	10,3317	10,4041	-1,051464397	ENST00000455984	102725370	XR_425587	LOC102725370
A_32_P94001	5,53096	5,60337	-1,051471685	ENST00000502308	403315	NR_003612	FAM92A1P2
A_22_P00015852	1,35802	1,43044	-1,051478973	N/A	100862679	NR_046390	NAALADL2-AS3
A_24_P170774	6,15601	6,22845	-1,05149355	ENST00000389798	23143	NM_015116	LRCH1
A_33_P3238415	2,89835	2,97079	-1,05149355	ENST00000351606	83445	NM_001080554	GSG1

A_23_P152047	7,39453	7,46702	-1,051529992	ENST00000562212	192683	NM_138967	SCAMP5
A_33_P6608390	7,24301	7,31551	-1,051537281	ENST00000518373	253943	N/A	YTHDF3
A_22_P00024894	1,73448	1,807	-1,051551858	ENST00000524287	N/A	CN267986	N/A
A_23_P163148	10,2646	10,3372	-1,051610171	ENST00000557658	63894	NM_022067	VIPAS39
A_24_P332971	11,5208	11,5934	-1,051610171	ENST00000466005	285855	NM_198486	RPL7L1
A_23_P432591	8,06287	8,13549	-1,051624749	ENST00000620431	202243	NM_176816	CCDC125
A_33_P3209885	1,99276	2,0654	-1,051639328	ENST00000578808	57125	NM_020405	PLXDC1
A_33_P3216819	1,7082	1,78084	-1,051639328	ENST00000341875	389761	NM_001145197	SPATA31D4
A_21_P0005709	1,37337	1,44607	-1,051683065	N/A	N/A	N/A	Inc-NKAIN3-1
A_33_P3250209	1,34814	1,42084	-1,051683065	ENST00000487107	387640	NM_207371	SKIDA1
A_23_P35576	8,58848	8,66122	-1,051712224	ENST00000316045	9849	NM_014803	ZNF518A
A_23_P411113	6,70117	6,77393	-1,051726804	ENST00000264638	8506	NM_003632	CNTNAP1
A_21_P0005875	1,49337	1,56619	-1,051770545	N/A	N/A	N/A	Inc-TSPYL5-2
A_23_P65674	11,2575	11,3304	-1,051828869	ENST00000560549	29766	NM_014547	TMOD3
A_33_P3353767	1,64831	1,72122	-1,05183616	ENST00000322564	400224	NM_001161498	PLEKHD1
A_21_P0001171	4,25867	4,33159	-1,051843451	ENST00000457719	N/A	N/A	N/A
A_22_P00008206	1,94721	2,02015	-1,051858033	N/A	101929402	NR_126027	EXTL3-AS1
A_21_P0014396	8,06351	8,13647	-1,051872615	ENST00000600039	100132815	NR_103741	IPO5P1
A_22_P00004148	8,78546	8,85843	-1,051879906	N/A	N/A	N/A	Inc-CLEC18B-2
A_22_P00007583	1,33775	1,4108	-1,051938236	N/A	N/A	N/A	Inc-HDAC9-3
A_24_P409330	13,6836	13,7567	-1,051974694	ENST00000553711	122704	NM_181304	MRPL52
A_23_P34606	9,65887	9,73199	-1,051989278	ENST00000490931	2475	NM_004958	MTOR
A_24_P117147	3,43544	3,50856	-1,051989278	ENST00000620731	3811	NM_013289	KIR3DL1
A_23_P352717	2,98642	3,05954	-1,051989278	ENST00000319560	203562	NM_182541	TMEM31
A_19_P00319337	5,31627	5,38945	-1,052033029	ENST00000420557	80069	NR_026780	LINC00574
A_33_P3267280	8,04318	8,11638	-1,052047614	ENST00000622025	10106	NM_005730	CTDSP2
A_33_P3280355	13,1023	13,1755	-1,052047614	N/A	N/A	N/A	N/A
A_32_P743184	1,33992	1,41314	-1,052062198	ENST00000557188	359787	NM_199286	DPPA3
A_22_P00021021	1,54651	1,61979	-1,052105953	ENST00000588651	N/A	XR_244093	N/A
A_21_P0010353	3,89396	3,96725	-1,052113246	ENST00000430449	N/A	N/A	N/A
A_33_P3244998	16,2064	16,2797	-1,052120539	ENST00000295025	57489	NM_001007022	ODF2L
A_23_P17955	8,06953	8,14285	-1,052135124	ENST00000283627	25827	NM_012157	FBXL2
A_21_P0012181	4,30157	4,37493	-1,052164296	N/A	N/A	N/A	XLOC_I2_009135

A_22_P00009525	6,96435	7,03774	-1,052186176	N/A	N/A	N/A	Inc-MANSC4-3
A_33_P3247803	7,789	7,86242	-1,052208055	ENST00000517700	389677	NM_203390	RBM12B
A_21_P0003248	1,34176	1,41519	-1,052215349	N/A	N/A	N/A	Inc-C3orf30-4
A_33_P3249364	4,63779	4,71125	-1,052237229	ENST00000553189	83857	XM_006719156	TMTC1
A_22_P00023331	1,35061	1,42407	-1,052237229	N/A	N/A	BG206194	Inc-OAZ3-4
A_23_P79015	1,79952	1,87298	-1,052237229	ENST00000596348	6324	NM_199037	SCN1B
A_21_P0008982	3,53952	3,61299	-1,052244523	ENST00000569104	N/A	N/A	N/A
A_22_P00012632	1,36914	1,44262	-1,052251816	N/A	N/A	N/A	Inc-PTX4-2
A_33_P3241753	11,8742	11,9477	-1,052266404	ENST00000327772	55967	NM_018838	NDUFA12
A_32_P65589	1,37045	1,44396	-1,052273698	N/A	N/A	AJ252276	N/A
A_22_P00017623	8,31371	8,38725	-1,052295579	N/A	100505616	NR_110100	SNHG21
A_23_P13852	14,1407	14,2143	-1,052339344	ENST00000541731	11171	NM_007178	STRAP
A_33_P3338961	10,8219	10,8955	-1,052339344	N/A	N/A	N/A	N/A
A_21_P0005557	2,25321	2,32683	-1,052353932	N/A	N/A	N/A	Inc-PPIA-1
A_21_P0003980	2,20185	2,27548	-1,052361227	ENST00000502100	N/A	N/A	N/A
A_22_P00006418	9,7215	9,79526	-1,052456058	N/A	619343	NR_073397	ERICH1-AS1
A_32_P129214	1,33876	1,41252	-1,052456058	ENST00000452561	387486	NR_109786	LINC00320
A_23_P143559	5,24486	5,31862	-1,052456058	ENST00000412649	8218	NM_007098	CLTCL1
A_21_P0012541	1,33742	1,4112	-1,052470649	ENST00000470712	285286	NR_104116	LINC00877
A_22_P00001571	1,34181	1,4156	-1,052477944	N/A	N/A	N/A	Inc-ARL4A-2
A_24_P84428	10,527	10,6008	-1,052485239	ENST00000453625	27101	NM_014412	CACYBP
A_33_P3424328	1,3395	1,41335	-1,052521716	ENST00000612677	401258	NM_001257357	RAB44
A_23_P77160	10,3409	10,4148	-1,052558194	ENST00000561186	54778	NM_017610	RNF111
A_22_P00006071	1,33805	1,41198	-1,052580082	N/A	414245	NR_038373	DNAJC9-AS1
A_23_P139820	9,74421	9,81815	-1,052587378	ENST00000551215	4891	NM_000617	SLC11A2
A_33_P6471335	1,59436	1,6683	-1,052587378	N/A	100506844	N/A	LOC100506844
A_21_P0007615	1,46194	1,5359	-1,05260197	N/A	N/A	N/A	Inc-ASCL1-1
A_21_P0007878	1,36955	1,44354	-1,052623858	N/A	N/A	N/A	Inc-KRT80-2
A_23_P17134	2,53207	2,60606	-1,052623858	ENST00000353004	4118	NM_002371	MAL
A_24_P401100	17,0286	17,1026	-1,052631155	ENST00000482912	N/A	N/A	N/A
A_22_P00012738	1,87511	1,94911	-1,052631155	N/A	N/A	N/A	Inc-RABEP2-2
A_24_P143324	1,33813	1,41213	-1,052631155	ENST00000430451	83851	NM_031914	SYT16
A_21_P0005236	1,62577	1,6998	-1,052653044	ENST00000449899	N/A	N/A	N/A

A_21_P0006628	1,33908	1,41312	-1,05266034	ENST00000422661	101927419	NR_120621	LOC101927419
A_22_P00011469	4,99127	5,06536	-1,052696823	N/A	N/A	BC043279	Inc-PAQR3-1
A_33_P3708763	1,34772	1,42187	-1,052740605	N/A	100874205	NR_109811	ATP11A-AS1
A_22_P00002700	1,34847	1,42262	-1,052740605	ENST00000583223	N/A	XR_109637	N/A
A_33_P3279049	6,64259	6,71675	-1,052747902	ENST00000397053	26019	NM_080599	UPF2
A_33_P3382412	9,50179	9,57599	-1,05277709	ENST00000390651	90333	NM_001277120	ZNF468
A_22_P00007982	1,34026	1,41456	-1,052850066	N/A	100131434	NR_027455	LINC00893
A_33_P3323029	1,61637	1,69077	-1,052923046	N/A	400965	AK098018	LOC400965
A_33_P3337161	6,388	6,46242	-1,052937643	ENST00000554781	196883	NM_001198568	ADCY4
A_22_P00005190	4,71325	4,78768	-1,052944942	N/A	N/A	BC037537	Inc-DISP2-2
A_21_P0005004	1,45674	1,53118	-1,05295224	N/A	N/A	N/A	Inc-DTNBP1-1
A_23_P397055	9,82701	9,90145	-1,05295224	ENST00000035307	54480	NM_019015	CHPF2
A_33_P6474388	8,49214	8,56658	-1,05295224	N/A	101928053	NR_120540	LOC101928053
A_33_P3277659	1,35666	1,43111	-1,052959539	ENST00000451052	374860	NM_001145029	ANKRD30B
A_33_P3381097	1,33883	1,41331	-1,052981435	ENST00000307552	390201	NM_001005324	OR10V1
A_22_P00015397	9,44868	9,52318	-1,052996032	N/A	N/A	BC039097	Inc-SRP54-1
A_23_P349083	9,25916	9,33366	-1,052996032	ENST00000430046	115548	NM_138782	FCHO2
A_33_P3217594	5,51837	5,59289	-1,05301063	N/A	390963	N/A	ZNF818P
A_23_P338401	3,76929	3,84381	-1,05301063	ENST00000297792	221656	NM_153042	KDM1B
A_33_P3292158	1,35392	1,42849	-1,053047125	N/A	N/A	N/A	N/A
A_24_P16730	3,84149	3,91606	-1,053047125	ENST00000544803	80856	NM_030650	KIAA1715
A_22_P00020426	1,34827	1,42288	-1,053076322	N/A	N/A	N/A	Inc-FOXA1-2
A_22_P00023841	5,4549	5,52957	-1,053120119	N/A	N/A	N/A	Inc-HLCS-1
A_23_P46924	11,8237	11,8984	-1,053142018	ENST00000368858	9184	NM_001007793	BUB3
A_21_P0014896	2,46006	2,53479	-1,053163918	ENST00000540997	N/A	XR_159115	N/A
A_21_P0010286	1,33783	1,41265	-1,05322962	N/A	N/A	N/A	Inc-PRDM15-1
A_33_P3294072	4,26417	4,339	-1,05323692	N/A	N/A	N/A	N/A
A_24_P613108	1,36415	1,43899	-1,053244221	N/A	N/A	N/A	N/A
A_33_P3310296	5,74168	5,81654	-1,053258822	N/A	N/A	N/A	N/A
A_21_P0005484	2,53959	2,61447	-1,053273423	N/A	N/A	N/A	Inc-SKAP2-1
A_33_P3333089	1,33916	1,41412	-1,053331831	ENST00000619172	N/A	XM_006726815	N/A
A_23_P28420	11,4624	11,5374	-1,053361036	ENST00000396387	29789	NM_013341	OLA1
A_23_P374294	3,77686	3,85189	-1,05338294	ENST00000476558	79741	NM_145023	CCDC7

A_22_P00019241	1,33795	1,413	-1,053397543	N/A	100873997	NR_046621	KCNQ5-AS1
A_33_P3602006	14,6145	14,6896	-1,053434052	ENST00000237283	134637	NM_001286259	ADAT2
A_24_P398972	10,6239	10,699	-1,053434052	ENST00000321998	10229	NM_016138	COQ7
A_24_P374962	9,18932	9,26445	-1,053455958	ENST00000426587	442582	NR_040584	STAG3L2
A_24_P319364	14,939	15,0142	-1,053507073	ENST00000368026	50848	NM_016946	F11R
A_24_P721898	10,0473	10,1225	-1,053507073	ENST00000613725	55727	NM_001002860	BTBD7
A_33_P3304603	7,96462	8,0399	-1,053565493	ENST00000611351	57178	NM_020338	ZMIZ1
A_22_P00002593	4,38464	4,45992	-1,053565493	ENST00000562076	N/A	GQ868703	N/A
A_33_P3242919	11,4407	11,516	-1,053580099	ENST00000620401	4670	NM_005968	HNRNPM
A_33_P3325558	11,128	11,2033	-1,053580099	ENST00000367690	9910	AK022043	RABGAP1L
A_33_P3333708	9,91975	9,99506	-1,053587402	N/A	N/A	N/A	N/A
A_33_P3368144	2,98503	3,06036	-1,053602008	N/A	N/A	N/A	N/A
A_21_P0001789	1,34746	1,4228	-1,053609311	N/A	N/A	N/A	Inc-TMEM17-2
A_22_P00017945	1,36668	1,44205	-1,05363122	N/A	N/A	BG205156	Inc-ZIC1-2
A_23_P166196	11,7302	11,8056	-1,05365313	ENST00000373932	25980	NM_015511	AAR2
A_21_P0002052	1,84664	1,92204	-1,05365313	N/A	N/A	N/A	Inc-PNPT1-1
A_22_P00016635	1,34107	1,41648	-1,053660434	N/A	N/A	N/A	Inc-TOR3A-1
A_32_P14721	3,22538	3,30079	-1,053660434	ENST00000479363	201625	NM_001291661	DNAH12
A_23_P74344	8,56767	8,6431	-1,05367504	ENST00000467021	117143	NM_053053	TADA1
A_24_P577694	1,34708	1,42252	-1,053682344	ENST00000297323	107	NM_021116	ADCY1
A_23_P152984	12,1453	12,2208	-1,053726166	ENST00000505490	10189	NM_005782	ALYREF
A_33_P3317613	1,51942	1,59492	-1,053726166	N/A	6854	NM_133625	SYN2
A_32_P200308	1,41104	1,48661	-1,053777295	ENST00000509893	728724	NR_033916	LINC00977
A_23_P217899	10,4324	10,508	-1,053799208	ENST00000408952	81669	NM_030937	CCNL2
A_24_P61864	10,3134	10,389	-1,053799208	ENST00000582331	57003	NM_020198	CCDC47
A_21_P0011536	6,4312	6,50681	-1,053806512	ENST00000578386	147172	NR_015341	LRRC37BP1
A_22_P00022907	1,43911	1,51473	-1,053813816	ENST00000560451	4122	N/A	MAN2A2
A_33_P3614398	1,34702	1,4227	-1,053857644	N/A	283516	AK096235	LOC283516
A_33_P3364811	1,34048	1,41616	-1,053857644	ENST00000367379	5788	NM_002838	PTPRC
A_22_P00016827	1,33852	1,41423	-1,053879559	N/A	N/A	N/A	Inc-TRIP4-2
A_23_P9761	9,17488	9,2506	-1,053886864	ENST00000380262	116840	NM_001037144	CNTROB
A_33_P3416221	7,75099	7,82672	-1,053894169	ENST00000485344	4705	AK091719	NDUFA10
A_22_P00023529	1,34192	1,41767	-1,053908779	N/A	N/A	N/A	Inc-PFKP-4

A_33_P3298975	1,73295	1,80876	-1,053952611	ENST00000553003	N/A	N/A	N/A
A_33_P3295343	1,3475	1,42333	-1,053967222	ENST00000299642	10143	NM_005752	CLEC3A
A_21_P0003898	1,40881	1,48467	-1,053989139	N/A	N/A	N/A	Inc-ANKRD56-1
A_21_P0013983	1,33988	1,41576	-1,05400375	ENST00000437348	N/A	AK126066	N/A
A_23_P18362	1,67102	1,74692	-1,054018362	ENST00000241274	22865	NM_014926	SLITRK3
A_33_P3256793	7,03695	7,11286	-1,054025668	ENST00000369938	57535	NM_020775	KIAA1324
A_33_P3275315	1,36313	1,43914	-1,05409873	N/A	414196	NR_126062	CELF2-AS1
A_22_P00011976	1,34426	1,42029	-1,054113343	ENST00000445072	N/A	N/A	N/A
A_23_P166779	3,48954	3,56559	-1,054127956	ENST00000442796	29931	NR_024065	LINC00312
A_33_P3417985	1,33836	1,41442	-1,054135263	ENST00000357377	219965	NM_001005489	OR5B17
A_21_P0013067	1,33937	1,41546	-1,054157183	N/A	N/A	N/A	XLOC_I2_012919
A_23_P51884	12,1599	12,236	-1,05416449	ENST00000493657	126789	NM_153339	PUSL1
A_33_P3464438	1,34196	1,4181	-1,054193718	ENST00000619530	338005	AK058096	LINC00221
A_33_P3364268	5,83335	5,90951	-1,054208332	ENST00000467242	81606	NM_030915	LBH
A_23_P27128	1,35131	1,42749	-1,054222947	ENST00000293303	317719	NM_152467	KLHL10
A_24_P26073	12,2298	12,306	-1,054237562	ENST00000463456	10128	NM_133259	LRPPRC
A_33_P3284117	1,33923	1,41544	-1,054244869	N/A	N/A	N/A	N/A
A_22_P00005529	1,34653	1,42276	-1,054259484	ENST00000427591	102724096	NR_125874	LOC102724096
A_22_P00025057	1,50578	1,58206	-1,054296022	N/A	101929636	XR_244161	LOC101929636
A_22_P00009356	4,37493	4,45124	-1,054317946	N/A	N/A	N/A	Inc-LRRTM1-2
A_21_P0003918	1,34754	1,42389	-1,054347178	N/A	N/A	N/A	Inc-TRIML2-3
A_23_P137248	6,93884	7,01522	-1,054369103	ENST00000528056	5616	NR_028062	PRKY
A_33_P3405379	4,05031	4,12671	-1,05438372	ENST00000313616	157777	NM_001136160	MCMDC2
A_21_P0006012	4,1332	4,20961	-1,054391028	ENST00000611126	N/A	N/A	N/A
A_22_P00009379	1,34419	1,4206	-1,054391028	ENST00000518103	N/A	N/A	N/A
A_21_P0002483	6,74999	6,82642	-1,054405646	ENST00000610036	N/A	XR_109933	N/A
A_33_P3241937	8,31607	8,3925	-1,054405646	ENST00000310924	125058	NM_019020	TBC1D16
A_22_P00016058	4,88542	4,96188	-1,054427572	ENST00000434020	100506047	XR_109976	LOC100506047
A_33_P7501941	1,3489	1,42539	-1,054449498	N/A	101928885	XR_249792	LOC101928885
A_24_P920646	1,33983	1,41634	-1,054464116	N/A	1588	BC035714	CYP19A1
A_21_P0012819	1,82539	1,90191	-1,054471425	ENST00000506276	N/A	XR_425829	N/A
A_22_P00001029	1,34838	1,42493	-1,054493352	ENST00000415120	N/A	N/A	N/A
A_33_P3227899	2,90174	2,97832	-1,05451528	ENST00000620833	440896	NR_015361	LOC440896

A_23_P218892	12,3244	12,401	-1,054529899	ENST00000422614	1981	NM_182917	EIF4G1
A_22_P00003588	2,53294	2,60954	-1,054529899	ENST00000415019	N/A	AK097921	N/A
A_22_P00016890	1,34638	1,42299	-1,054537208	ENST00000554814	N/A	DB038017	N/A
A_22_P00004801	5,1364	5,21303	-1,054551827	ENST00000610705	N/A	N/A	N/A
A_33_P3410599	9,19311	9,26974	-1,054551827	ENST00000369754	55603	NM_017633	FAM46A
A_24_P547010	16,8293	16,906	-1,054602996	ENST00000429515	N/A	N/A	N/A
A_32_P108107	1,33966	1,41636	-1,054602996	ENST00000376315	245932	NM_153323	DEFB119
A_22_P00010826	7,05009	7,12679	-1,054602996	N/A	N/A	AV696027	Inc-NNT-1
A_23_P258194	3,92659	4,00337	-1,054661477	ENST00000465606	150209	NM_001018060	AIFM3
A_23_P20660	1,35693	1,43372	-1,054668787	ENST00000375765	54769	AK124628	DIRAS2
A_21_P0006475	1,7269	1,80372	-1,054690719	N/A	N/A	N/A	Inc-SHOX-1
A_22_P00018822	1,3401	1,417	-1,054749205	N/A	N/A	N/A	Inc-C9orf66-1
A_21_P0004946	1,34672	1,42363	-1,054756516	N/A	N/A	N/A	Inc-TNFAIP3-5
A_21_P0014611	1,34083	1,41777	-1,054778449	N/A	N/A	N/A	Inc-BLID-1
A_21_P0002566	6,62481	6,70177	-1,054793072	N/A	N/A	N/A	Inc-SOX11-3
A_22_P00017437	1,34615	1,42314	-1,054815006	ENST00000559590	N/A	N/A	N/A
A_33_P3389540	16,5419	16,6189	-1,054822317	ENST00000372214	N/A	N/A	N/A
A_22_P00003709	1,3531	1,43011	-1,054829629	ENST00000504827	N/A	N/A	N/A
A_33_P3364954	1,34988	1,42689	-1,054829629	N/A	N/A	N/A	N/A
A_24_P395621	8,31162	8,38864	-1,05483694	ENST00000361677	146923	NM_173079	RUNDC1
A_33_P3318509	1,34054	1,41758	-1,054851563	ENST00000299663	26253	NM_014358	CLEC4E
A_21_P0008422	1,33897	1,41604	-1,054873499	N/A	N/A	N/A	Inc-MBIP-1
A_21_P0001445	3,71142	3,78849	-1,054873499	ENST00000440494	339529	NR_033883	LOC339529
A_33_P3224483	8,05095	8,12804	-1,054888122	N/A	11158	BC020495	RABL2B
A_21_P0003096	1,33931	1,41641	-1,054895434	N/A	N/A	N/A	Inc-IL5RA-3
A_21_P0001143	1,34043	1,41753	-1,054895434	ENST00000427806	N/A	N/A	N/A
A_22_P00011670	11,3496	11,4267	-1,054895434	ENST00000579339	100131814	NR_026805	LINC00271
A_21_P0010652	1,33903	1,41614	-1,054902746	N/A	N/A	N/A	XLOC_I2_001097
A_21_P0006241	1,34164	1,41876	-1,054910058	N/A	N/A	N/A	Inc-OLFM1-2
A_21_P0005026	1,33946	1,41659	-1,05491737	N/A	100505711	XR_242019	LOC100505711
A_22_P00008870	1,34919	1,42632	-1,05491737	N/A	100874019	NR_046687	KLHL6-AS1
A_33_P3318534	6,50416	6,58133	-1,054946619	ENST00000393010	92370	NM_152282	PXYLP1
A_23_P259314	1,7808	1,85798	-1,054953932	ENST00000430575	6192	NM_001008	RPS4Y1



A_22_P00006228	1,34597	1,42316	-1,054961244	ENST00000445883	N/A	N/A	N/A
A_24_P181101	10,0875	10,1647	-1,054968557	ENST00000340353	65084	NM_022918	TMEM135
A_22_P00018883	1,41383	1,49103	-1,054968557	N/A	100874264	NR_046764	AOAH-IT1
A_22_P00000270	1,53046	1,60772	-1,055012432	ENST00000452813	N/A	N/A	N/A
A_33_P3276068	10,6803	10,7576	-1,055041684	ENST00000356128	100128327	AK002042	TRAPPC3L
A_23_P390384	8,44661	8,52391	-1,055041684	ENST00000409324	57232	NM_001037735	ZNF630
A_23_P117068	14,0581	14,1354	-1,055041684	ENST00000549580	6636	NM_003095	SNRPF
A_33_P3252884	8,37358	8,45089	-1,055048997	ENST00000332830	57649	NM_001033561	PHF12
A_21_P0000781	8,78207	8,8594	-1,055063623	N/A	100506311	NR_038366	HOTAIRM1
A_33_P3231428	4,40289	4,48024	-1,05507825	N/A	N/A	AK126714	N/A
A_22_P00009853	1,36177	1,43912	-1,05507825	N/A	100874249	NR_046909	DENND5B-AS1
A_33_P3283709	1,34078	1,41815	-1,055092876	ENST00000588126	N/A	N/A	N/A
A_23_P15798	4,90887	4,98628	-1,055122213	ENST00000394014	83755	NM_031854	KRTAP4-12
A_24_P321626	8,63437	8,71179	-1,055129444	ENST00000228347	55703	NM_018082	POLR3B
A_24_P139620	7,25982	7,33725	-1,055136757	ENST00000482385	27005	NM_001014443	USP21
A_24_P19175	8,59422	8,67171	-1,05518064	ENST00000394341	140467	NM_018083	ZNF358
A_33_P3347330	14,8636	14,9411	-1,055187954	ENST00000621567	54543	NM_019059	TOMM7
A_33_P3252889	4,79441	4,87199	-1,055246468	ENST00000268756	57649	NM_020889	PHF12
A_23_P23090	2,32076	2,39837	-1,055268411	ENST00000497198	5132	NM_002597	PDC
A_32_P228414	8,26249	8,34016	-1,055312299	ENST00000467707	26130	NM_015635	GAPVD1
A_32_P218355	11,735	11,8127	-1,055334244	N/A	647024	NM_001164446	C6orf132
A_21_P0011600	10,8223	10,9	-1,055334244	ENST00000578759	N/A	N/A	N/A
A_24_P181506	11,3298	11,4075	-1,055334244	ENST00000394979	9726	NM_014699	ZNF646
A_23_P373031	7,98856	8,06627	-1,055341559	ENST00000399634	775	NM_000719	CACNA1C
A_22_P00000884	2,85052	2,92831	-1,055400081	N/A	N/A	N/A	Inc-AHCY-1
A_22_P00000428	8,48906	8,56686	-1,055407397	N/A	N/A	N/A	Inc-AC073263.1-2
A_22_P00003614	1,34681	1,42462	-1,055414713	N/A	N/A	CR745678	Inc-CD38-3
A_33_P3691615	6,33223	6,41007	-1,055436659	N/A	N/A	AK094945	Inc-RP11-389E17.1.1-1
A_24_P921933	7,73241	7,81026	-1,055443975	N/A	6426	NM_001078166	SRSF1
A_21_P0002343	1,34254	1,42039	-1,055443975	N/A	N/A	N/A	Inc-SPAG16-1
A_23_P7361	8,27931	8,35718	-1,055458607	ENST00000394607	79071	NM_024090	ELOVL6
A_22_P00023268	1,3414	1,41927	-1,055458607	N/A	N/A	N/A	Inc-PIKFYVE-2
A_24_P135391	12,1645	12,2424	-1,055480555	ENST00000521313	N/A	N/A	N/A

A_32_P44568	12,2458	12,3237	-1,055480555	ENST00000397561	3939	NM_005566	LDHA
A_23_P106127	9,75421	9,83212	-1,055487871	ENST00000261244	9786	NM_014749	KIAA0586
A_23_P349373	1,71584	1,79375	-1,055487871	ENST00000621764	N/A	BC024764	N/A
A_21_P0008557	1,34326	1,4212	-1,055509819	N/A	101928907	XR_243166	LOC101928907
A_32_P82111	2,01141	2,08939	-1,055539085	ENST00000338305	57497	AB033072	LRFN2
A_21_P0006384	4,7924	4,87038	-1,055539085	N/A	N/A	N/A	Inc-DIRAS2-1
A_21_P0014048	11,8409	11,9189	-1,055553718	ENST00000620700	N/A	N/A	N/A
A_33_P3278144	15,2397	15,3177	-1,055553718	ENST00000458542	338699	NM_001300977	ANKRD42
A_23_P3823	11,9477	12,0257	-1,055553718	ENST00000567530	10295	NM_001122957	BCKDK
A_33_P3209404	6,83534	6,91336	-1,055568351	N/A	N/A	N/A	XLOC_I2_006173
A_33_P3335525	1,3417	1,41972	-1,055568351	ENST00000368189	83416	AF343663	FCRL5
A_22_P00016559	1,34664	1,42468	-1,055582984	N/A	286059	NR_038873	LOC286059
A_33_P3216192	6,30276	6,38082	-1,055597618	ENST00000497246	N/A	N/A	N/A
A_33_P3245188	6,06932	6,14741	-1,055619569	N/A	N/A	BC003386	N/A
A_23_P126649	1,69985	1,77794	-1,055619569	ENST00000391860	79605	NM_001258311	PGBD5
A_23_P79818	13,153	13,2311	-1,055626886	ENST00000372970	51526	NM_016470	OSER1
A_33_P3219303	10,4914	10,5695	-1,055626886	ENST00000351304	1056	NM_001807	CEL
A_33_P6473144	1,3412	1,41941	-1,055707376	N/A	101929319	NR_110248	LOC101929319
A_22_P00019560	3,94603	4,02426	-1,055722011	N/A	N/A	N/A	Inc-SFN-1
A_23_P119573	1,55389	1,63212	-1,055722011	ENST00000615435	3780	NM_002248	KCNN1
A_21_P0006214	1,33999	1,41822	-1,055722011	N/A	N/A	N/A	Inc-DEC1-2
A_32_P123255	5,97409	6,05233	-1,055729329	ENST00000343905	347454	NM_001105576	SOWAHD
A_19_P00322440	1,34592	1,42417	-1,055736647	ENST00000598996	400550	NR_036444	FENDRR
A_22_P00008882	1,34033	1,41859	-1,055743965	ENST00000570008	101929701	NR_120368	LINC01584
A_21_P0008742	1,34038	1,41865	-1,055751283	ENST00000560818	101928499	XR_248132	LOC101928499
A_33_P3338270	2,86941	2,94769	-1,055758601	ENST00000560634	102725249	AK125436	LOC102725249
A_21_P0006535	1,38776	1,46605	-1,055765919	N/A	N/A	N/A	Inc-AKAP4-1
A_23_P254415	17,1458	17,2241	-1,055773237	ENST00000458478	388524	NR_003662	RPSAP58
A_22_P00011550	1,34017	1,41847	-1,055773237	N/A	N/A	N/A	Inc-PCDH18-1
A_33_P3259112	1,68804	1,76638	-1,055802509	ENST00000535058	400046	NR_033988	FLJ41278
A_22_P00023828	3,90923	3,98758	-1,055809828	ENST00000568118	23491	NM_001185177	CES3
A_23_P74059	1,33972	1,41808	-1,055817146	ENST00000610706	4878	NM_006172	NPPA
A_24_P355967	1,36169	1,44008	-1,055839101	ENST00000542664	3356	NM_000621	HTR2A

A_23_P99927	12,8355	12,9139	-1,05584642	ENST00000261875	51495	NM_016395	PTPLAD1
A_33_P6473169	1,34334	1,42175	-1,055853738	ENST00000564534	101929144	NR_110745	LOC101929144
A_24_P404868	1,34731	1,42578	-1,055897651	ENST00000436213	441509	NM_001024452	GLRA4
A_24_P74329	10,029	10,1075	-1,055919608	ENST00000339914	284443	NM_001076678	ZNF493
A_22_P00006869	1,34505	1,42357	-1,055934246	ENST00000429916	N/A	N/A	N/A
A_23_P22994	9,38338	9,46197	-1,055985482	ENST00000372651	4802	NM_014223	NFYC
A_19_P00800638	10,1717	10,2503	-1,055992801	N/A	100505875	NR_038342	LINC01088
A_22_P00007565	1,82027	1,89888	-1,056000121	N/A	N/A	N/A	Inc-HBXIP-1
A_33_P3364235	1,34265	1,42129	-1,05602208	N/A	100506241	N/A	LL22NC01-81G9.3
A_33_P3261877	9,73168	9,81032	-1,05602208	N/A	100506639	AF131822	LOC100506639
A_21_P0002197	1,34686	1,42552	-1,05603672	ENST00000440786	100271832	NR_027097	LOC100271832
A_23_P256948	1,34205	1,42071	-1,05603672	ENST00000325509	9242	NM_005098	MSC
A_23_P348146	1,34095	1,41962	-1,05604404	ENST00000466548	122060	NM_001040153	SLAIN1
A_23_P435601	1,34131	1,42	-1,05605868	ENST00000451528	7903	NM_175052	ST8SIA4
A_23_P84359	4,39917	4,47789	-1,05608064	ENST00000403001	6758	NM_021015	SSX5
A_21_P0012950	1,34669	1,42541	-1,05608064	N/A	N/A	N/A	XLOC_I2_011728
A_21_P0014512	1,35352	1,43225	-1,05608796	N/A	N/A	AK097695	N/A
A_22_P00010690	1,6924	1,77116	-1,056109921	N/A	N/A	N/A	Inc-NFE2L2-1
A_23_P120629	2,31531	2,39416	-1,056175807	ENST00000568305	434	NM_001672	ASIP
A_19_P00315631	1,3433	1,42215	-1,056175807	N/A	101927668	N/A	LOC101927668
A_22_P00012251	6,11453	6,19338	-1,056175807	ENST00000545800	N/A	BM915382	N/A
A_22_P00021240	6,65685	6,73575	-1,056212412	N/A	N/A	AK096219	Inc-PSMG4-1
A_21_P0013534	1,34835	1,42725	-1,056212412	ENST00000529252	100132103	NR_027424	FAM66E
A_33_P3272990	10,1601	10,239	-1,056212412	ENST00000601844	23770	NM_012181	FKBP8
A_23_P93823	10,2831	10,362	-1,056212412	ENST00000480432	5982	NM_181471	RFC2
A_22_P00024439	3,94294	4,02186	-1,056227054	N/A	N/A	N/A	Inc-AC021066.1-1
A_21_P0006617	1,3407	1,41964	-1,056241697	ENST00000422206	N/A	N/A	N/A
A_21_P0004989	5,58685	5,6658	-1,056249018	N/A	N/A	N/A	Inc-GMDS-1
A_22_P00015387	1,35085	1,42983	-1,056270982	N/A	N/A	N/A	Inc-SREK1-2
A_33_P3531970	1,35701	1,436	-1,056278304	ENST00000583687	643542	NR_033921	LOC643542
A_33_P3330079	1,34409	1,42311	-1,056300269	N/A	100128242	XR_110532	LOC100128242
A_33_P3232319	3,95595	4,03501	-1,056329556	ENST00000430130	401387	NM_001161528	LRRD1
A_22_P00004706	1,35516	1,43423	-1,056336878	ENST00000563574	N/A	AF086093	N/A

A_33_P3211968	1,34562	1,4247	-1,0563442	N/A	N/A	N/A	Inc-TCL1B-2
A_22_P00009534	1,34156	1,42066	-1,056358844	ENST00000566798	N/A	N/A	N/A
A_24_P874052	1,34831	1,42742	-1,056366166	N/A	N/A	XM_005276115	Inc-IDS-2
A_33_P3321462	1,43431	1,51342	-1,056366166	ENST00000360374	219968	NM_001005218	OR5B21
A_21_P0003702	1,34571	1,42486	-1,056395455	N/A	N/A	N/A	Inc-TRIML1-5
A_33_P3297321	1,37718	1,45634	-1,056402778	N/A	644694	CF272591	CDRT15P2
A_21_P0013918	5,68906	5,76824	-1,056417423	ENST00000603357	N/A	N/A	N/A
A_33_P3258316	11,34	11,4192	-1,056432068	N/A	N/A	N/A	XLOC_I2_013837
A_24_P73290	9,88876	9,96798	-1,056446713	ENST00000377685	488	NM_001681	ATP2A2
A_21_P0014238	2,21449	2,29374	-1,056468682	N/A	8555	XM_005252287	CDC14B
A_33_P3320493	5,2361	5,31536	-1,056476004	N/A	10743	AJ271790	RAI1
A_22_P00007614	1,3481	1,42736	-1,056476004	N/A	N/A	N/A	Inc-HEBP1-1
A_23_P88095	9,00209	9,08137	-1,05649065	ENST00000377636	9882	NM_014832	TBC1D4
A_22_P00006631	1,34462	1,42391	-1,056497974	ENST00000445070	N/A	N/A	N/A
A_33_P3215834	1,39842	1,47771	-1,056497974	ENST00000507866	57537	NM_020777	SORCS2
A_33_P3283201	5,66388	5,7432	-1,056519943	N/A	N/A	AK128779	N/A
A_24_P268993	7,32272	7,40205	-1,056527266	ENST00000485457	116842	NM_052971	LEAP2
A_22_P00001263	1,34397	1,4233	-1,056527266	N/A	N/A	N/A	Inc-ANKRD42-3
A_33_P3291414	6,34991	6,4293	-1,056571207	N/A	100996573	XM_003846565	LOC100996573
A_33_P3311971	1,66566	1,74505	-1,056571207	ENST00000390368	N/A	AB306227	N/A
A_19_P00321734	4,86233	4,94175	-1,056593178	ENST00000474477	100498859	N/A	LINC00881
A_32_P9986	1,54223	1,62169	-1,056622473	N/A	N/A	N/A	Inc-PHF10-1
A_22_P00002554	1,34282	1,4223	-1,056637121	N/A	N/A	N/A	Inc-C17orf75-1
A_33_P3333436	3,51416	3,59365	-1,056644445	ENST00000478085	27352	AK000006	SGSM3
A_33_P3300864	1,34858	1,42807	-1,056644445	ENST00000313503	390151	NM_001005200	OR8H2
A_33_P3241482	10,693	10,7725	-1,056651769	ENST00000358149	23567	NM_012279	ZNF346
A_22_P00011232	1,34855	1,4281	-1,056688391	N/A	N/A	BC038194	Inc-OR10J3-1
A_33_P3278755	1,348	1,42757	-1,05670304	ENST00000535679	391365	NM_001032377	SULT6B1
A_21_P0009826	1,46106	1,54064	-1,056710364	ENST00000424931	N/A	N/A	N/A
A_24_P13032	9,2768	9,35638	-1,056710364	ENST00000473824	7321	NM_003338	UBE2D1
A_23_P87072	4,64872	4,72831	-1,056717689	ENST00000284288	116337	NM_052959	PANX3
A_22_P00009104	1,61973	1,69932	-1,056717689	N/A	N/A	N/A	Inc-LIFR-4
A_33_P3376154	8,02533	8,10492	-1,056717689	N/A	100128002	XR_159537	LOC100128002

A_32_P95739	15,6477	15,7273	-1,056725014	ENST00000396705	7167	NM_000365	TPI1
A_22_P00002950	6,33363	6,41325	-1,056739663	N/A	N/A	N/A	Inc-C5orf47-2
A_23_P386450	9,0492	9,12886	-1,056768962	ENST00000506928	51426	NM_016218	POLK
A_23_P335239	4,60001	4,67968	-1,056776287	ENST00000262994	2549	NM_207123	GAB1
A_21_P0001800	3,75445	3,83412	-1,056776287	N/A	N/A	N/A	Inc-TNP1-3
A_33_P3301752	3,28086	3,36054	-1,056783612	N/A	79860	AK025022	FLJ21369
A_33_P3398722	1,34431	1,42399	-1,056783612	N/A	N/A	BC030136	N/A
A_24_P346368	12,033	12,1127	-1,056798263	ENST00000341567	55069	NM_017994	TMEM248
A_33_P3245784	4,13818	4,2179	-1,056812913	ENST00000314529	253639	NM_175888	ZNF620
A_23_P200143	8,50028	8,58001	-1,056820238	ENST00000368073	50717	NM_015726	DCAF8
A_23_P59807	1,61503	1,69476	-1,056820238	ENST00000265441	7472	NM_003391	WNT2
A_33_P3235043	1,34365	1,42346	-1,056878843	N/A	440730	NM_001004342	TRIM67
A_33_P3334260	1,64847	1,72831	-1,05690082	ENST00000418344	729987	NR_046088	LOC729987
A_22_P00019840	4,31868	4,39858	-1,056944776	ENST00000412293	100134368	NR_024453	LOC100134368
A_33_P3235766	11,2029	11,2828	-1,056944776	ENST00000399302	79832	NM_001076786	QSER1
A_33_P3390708	2,81325	2,89317	-1,056959429	ENST00000474495	23670	NM_013390	TMEM2
A_23_P361940	1,34777	1,42771	-1,056974081	ENST00000534968	8832	NM_003874	CD84
A_23_P430930	1,34579	1,42574	-1,056981408	ENST00000276659	340419	NM_178565	RSPO2
A_24_P95029	14,5203	14,6003	-1,057018041	ENST00000416801	8887	NM_006024	TAX1BP1
A_24_P17302	7,20155	7,28157	-1,057032694	ENST00000349431	118424	NM_194458	UBE2J2
A_24_P349728	1,34292	1,42296	-1,057047348	N/A	100129312	AK095037	LOC100129312
A_22_P00021977	1,34492	1,42499	-1,057069329	ENST00000558874	101927112	NR_120320	LINC01581
A_23_P354297	12,6094	12,6895	-1,05709131	ENST00000464728	63922	NM_022092	CHTF18
A_22_P00016681	6,21318	6,29328	-1,05709131	N/A	N/A	N/A	Inc-TPPP2-1
A_33_P3310696	11,9851	12,0652	-1,05709131	ENST00000400930	118424	NM_194458	UBE2J2
A_21_P0005113	1,7285	1,80863	-1,057113292	N/A	N/A	N/A	Inc-HLA-DRA-1
A_22_P00019667	2,02701	2,10716	-1,057127947	N/A	N/A	N/A	Inc-ADAM21-2
A_23_P79591	1,58249	1,66264	-1,057127947	ENST00000233242	338	NM_000384	APOB
A_22_P00020190	1,3595	1,43967	-1,057142602	ENST00000582518	N/A	N/A	N/A
A_21_P0004531	5,36663	5,44681	-1,057149929	N/A	101929719	XR_425926	LOC101929719
A_32_P225604	17,5176	17,5978	-1,057164585	ENST00000426545	6125	NM_000969	RPL5
A_22_P00008291	1,34534	1,42559	-1,057201224	ENST00000423218	N/A	XM_005254228	Inc-ITGA11-1
A_32_P153892	9,25795	9,33823	-1,057223208	ENST00000344293	83860	NM_031923	TAF3

A_21_P0007691	1,34339	1,42371	-1,057252521	N/A	N/A	N/A	Inc-SLCO1A2-3
A_33_P3221578	1,34453	1,4249	-1,057289163	ENST00000518973	401478	XR_171754	FLJ45872
A_22_P00002012	9,14685	9,22723	-1,057296491	N/A	N/A	N/A	Inc-BDKRB1-1
A_24_P308029	4,44692	4,52731	-1,05730382	ENST00000592984	126393	NM_144617	HSPB6
A_22_P00004004	1,34583	1,42622	-1,05730382	N/A	N/A	N/A	Inc-CHMP1A-1
A_33_P3333364	1,34737	1,42776	-1,05730382	ENST00000390287	N/A	AY043127	N/A
A_19_P00320066	1,68101	1,76142	-1,057318478	ENST00000532564	N/A	N/A	N/A
A_24_P69095	8,247	8,32743	-1,057333135	ENST00000618628	8507	NM_003633	ENC1
A_23_P404059	1,34531	1,42576	-1,057347793	ENST00000464219	139135	NM_173493	PASD1
A_33_P3710082	1,34215	1,42265	-1,057384439	ENST00000423724	799	NM_001164737	CALCR
A_21_P0011938	7,59374	7,6743	-1,057428415	ENST00000528268	57730	NM_025190	ANKRD36B
A_21_P0007899	1,34818	1,42874	-1,057428415	ENST00000537478	100996671	NR_110036	LOC100996671
A_21_P0011889	4,18316	4,26373	-1,057435744	N/A	101927187	N/A	LOC101927187
A_33_P3234108	1,34628	1,42686	-1,057443074	N/A	N/A	N/A	N/A
A_24_P358131	12,5712	12,6518	-1,057457733	ENST00000404956	N/A	N/A	N/A
A_33_P3867391	2,3239	2,40451	-1,057465063	N/A	26651	BM563292	OR7E19P
A_23_P54170	9,94292	10,0236	-1,057516373	ENST00000556044	10001	NM_005466	MED6
A_23_P140450	9,63058	9,71136	-1,057589677	ENST00000380902	11001	NM_003645	SLC27A2
A_23_P320829	5,4671	5,54789	-1,057597008	ENST00000555529	145508	NM_152446	CEP128
A_21_P0001960	1,34742	1,42822	-1,057604338	ENST00000434559	N/A	N/A	N/A
A_21_P0003321	1,34321	1,42404	-1,057626331	ENST00000507652	101928551	N/A	LOC101928551
A_24_P372217	9,69595	9,77679	-1,057633662	ENST00000276461	11160	NM_007175	ERLIN2
A_33_P3307267	1,34447	1,42534	-1,057655655	ENST00000321023	7450	BC022258	VWF
A_22_P00013549	1,3461	1,42699	-1,057670317	N/A	N/A	BX108061	Inc-RP11-43D2.2.1-1
A_21_P0012201	1,34481	1,4258	-1,057743632	N/A	N/A	N/A	XLOC_I2_009198
A_33_P3413216	10,735	10,816	-1,057750964	ENST00000409543	7106	NM_001025237	TSPAN4
A_23_P106694	11,8037	11,8847	-1,057750964	ENST00000547687	5119	NM_002768	CHMP1A
A_23_P69100	4,60573	4,68674	-1,057758295	ENST00000496710	26084	NM_015595	ARHGEF26
A_22_P00003220	5,74429	5,82536	-1,057802287	ENST00000449188	647219	N/A	ASCL5
A_19_P00319721	5,95799	6,03908	-1,057816952	N/A	283011	N/A	FLJ37201
A_21_P0008810	1,47926	1,56039	-1,057846281	ENST00000570105	N/A	N/A	N/A
A_21_P0002087	1,34498	1,42616	-1,057882944	ENST00000455614	N/A	N/A	N/A
A_24_P385585	5,7155	5,79672	-1,057912275	ENST00000355654	129787	NM_152834	TMEM18

A_21_P0003845	1,34865	1,4299	-1,057934274	N/A	N/A	N/A	Inc-AIMP1-1
A_24_P320759	9,02004	9,10131	-1,05794894	ENST00000482465	79706	NM_024653	PRKRIP1
A_22_P00021850	1,35486	1,43617	-1,057978273	N/A	N/A	N/A	Inc-SIM2-1
A_33_P3402354	5,99781	6,07913	-1,057985606	N/A	56252	L40403	YLPM1
A_21_P0005909	3,22948	3,31082	-1,058000273	N/A	N/A	N/A	Inc-ASAP1-2
A_32_P32739	8,10518	8,18653	-1,058007607	ENST00000293404	162417	NM_153006	NAGS
A_21_P0004899	1,34786	1,42925	-1,058036941	N/A	N/A	N/A	Inc-MYO6-2
A_21_P0008406	1,34712	1,42852	-1,058044275	N/A	N/A	N/A	Inc-RNASE1-1
A_24_P353905	1,63036	1,71185	-1,058110281	ENST00000476718	54587	NM_032348	MXRA8
A_33_P3288135	6,45566	6,53716	-1,058117616	ENST00000506642	10814	N/A	CPLX2
A_24_P381505	4,09216	4,17366	-1,058117616	ENST00000320460	144321	NM_152436	GLIPR1L2
A_22_P00020116	5,98874	6,07027	-1,058139619	ENST00000553301	N/A	DA209974	N/A
A_33_P3232980	4,69952	4,78106	-1,058146953	ENST00000300843	57787	NM_031417	MARK4
A_22_P00005026	1,43071	1,51232	-1,058198296	N/A	N/A	N/A	Inc-DDX51-2
A_33_P3389668	2,13875	2,22038	-1,058212966	N/A	N/A	N/A	N/A
A_22_P00013975	1,3451	1,42673	-1,058212966	N/A	N/A	N/A	Inc-RTN4-2
A_22_P00023046	2,44239	2,52404	-1,058227636	N/A	N/A	N/A	Inc-PLD5-1
A_19_P00321194	1,34211	1,42382	-1,058271647	ENST00000601523	641516	NR_002838	KC6
A_33_P3367550	2,7986	2,88031	-1,058271647	ENST00000440244	401242	N/A	LOC401242
A_23_P150555	1,63845	1,72026	-1,058345004	ENST00000244926	10647	NM_006551	SCGB1D2
A_21_P0011805	1,34385	1,42566	-1,058345004	N/A	N/A	N/A	XLOC_I2_007401
A_23_P106236	1,34624	1,42812	-1,058396356	N/A	29018	NR_024620	FOXN3-AS2
A_23_P81399	14,356	14,4379	-1,058411029	ENST00000360718	8878	NM_003900	SQSTM1
A_32_P228268	1,61052	1,69244	-1,058425702	ENST00000492261	196385	NM_207437	DNAH10
A_21_P0005939	1,34298	1,42496	-1,058469721	N/A	N/A	N/A	Inc-TRIM55-1
A_23_P142634	13,1454	13,2274	-1,058484395	ENST00000537825	29081	NM_014168	METTL5
A_21_P0002347	2,41022	2,49222	-1,058484395	N/A	N/A	N/A	Inc-SMARCAL1-1
A_24_P297539	14,2752	14,3572	-1,058484395	ENST00000617055	11065	NM_181801	UBE2C
A_33_P3413025	1,66107	1,74308	-1,058491732	ENST00000390457	N/A	D13075	N/A
A_21_P0000708	4,5291	4,61113	-1,058506406	ENST00000556964	317760	NR_037933	ADAM20P1
A_33_P3880302	9,73919	9,82122	-1,058506406	ENST00000374632	2048	NM_004442	EPHB2
A_23_P101111	9,24655	9,32864	-1,058550429	ENST00000590599	9150	NM_004715	CTDP1
A_23_P152804	14,6317	14,7138	-1,058557766	ENST00000013034	4830	NM_198175	NME1

A_33_P3231472	8,26144	8,3436	-1,058601791	ENST00000486372	27348	NM_014506	TOR1B
A_23_P28084	11,2527	11,3349	-1,058631142	ENST00000587230	8677	NM_001271610	STX10
A_22_P00023410	2,98752	3,06972	-1,058631142	ENST00000562167	101927277	XR_243982	LOC101927277
A_24_P216681	11,4015	11,4837	-1,058631142	ENST00000315732	84967	NM_032881	LSM10
A_22_P00025366	1,34261	1,42482	-1,05863848	N/A	N/A	AF419291	Inc-UCP2-1
A_21_P0002653	7,83201	7,91429	-1,058689847	ENST00000435504	55252	XM_006712039	ASXL2
A_23_P12336	9,86979	9,95208	-1,058697185	ENST00000370078	55170	NM_018137	PRMT6
A_33_P3369567	9,43983	9,52215	-1,0587192	ENST00000294715	4046	NM_001289005	LSP1
A_24_P380348	8,0399	8,12226	-1,058748555	ENST00000619054	60682	NM_001044305	SMAP1
A_21_P0013521	1,77434	1,85672	-1,058763232	N/A	N/A	N/A	XLOC_I2_014579
A_23_P151059	3,30776	3,39016	-1,05877791	ENST00000538603	55138	NM_018088	FAM90A1
A_23_P114883	7,59766	7,68006	-1,05877791	ENST00000354955	2331	NM_002023	FMOD
A_23_P26021	12,2139	12,2963	-1,05877791	ENST00000299259	9318	NM_004236	COPS2
A_21_P0003253	1,73953	1,82195	-1,058792588	N/A	N/A	N/A	Inc-GYG1-1
A_21_P0001246	11,2429	11,3254	-1,058851301	ENST00000458044	101927851	N/A	LOC101927851
A_23_P59397	10,3991	10,4816	-1,058851301	ENST00000252655	83861	NM_031924	RSPH3
A_33_P3325011	16,2887	16,3712	-1,058851301	ENST00000487608	N/A	N/A	N/A
A_21_P0002985	1,34199	1,4245	-1,058858641	N/A	N/A	N/A	Inc-ROBO2-5
A_21_P0009632	3,91371	3,99624	-1,05887332	N/A	N/A	N/A	Inc-LMAN1-1
A_23_P322735	1,66604	1,74859	-1,058887999	ENST00000486417	117531	NM_138691	TMC1
A_23_P150741	10,0989	10,1815	-1,058924698	ENST00000442398	26005	NM_001286577	C2CD3
A_24_P194154	12,7757	12,8583	-1,058924698	ENST00000599848	5976	NM_002911	UPF1
A_23_P334218	9,01189	9,09451	-1,058939378	ENST00000287380	93594	NM_145647	TBC1D31
A_22_P00005452	4,86558	4,94824	-1,058968738	ENST00000449242	N/A	BE906333	N/A
A_33_P3751193	1,34236	1,42504	-1,058983419	N/A	N/A	N/A	N/A
A_23_P154065	14,466	14,5487	-1,058998099	ENST00000248437	7277	NM_006000	TUBA4A
A_23_P64799	10,9996	11,0823	-1,058998099	ENST00000552876	8086	NM_015665	AAAS
A_22_P00022854	1,76838	1,8511	-1,05901278	N/A	100874275	N/A	LINC01216
A_24_P165656	8,55628	8,639	-1,05901278	ENST00000234179	23683	NM_005813	PRKD3
A_24_P234792	9,67144	9,75421	-1,059049483	ENST00000345990	1456	NM_001044723	CSNK1G3
A_21_P0008970	1,34314	1,42598	-1,05910087	N/A	N/A	N/A	Inc-AC009120.10.1-2
A_33_P3311907	8,44904	8,53193	-1,059137576	ENST00000379291	51256	NM_001258457	TBC1D7
A_33_P3387696	10,9746	11,0575	-1,059144918	ENST00000358230	51643	NM_001282606	TMBIM4



A_22_P00007173	1,3422	1,42512	-1,059159601	N/A	N/A	N/A	Inc-GNLY-1
A_22_P00008861	3,88218	3,96514	-1,059188967	N/A	N/A	N/A	Inc-KLHDC9-1
A_23_P115346	10,185	10,2681	-1,059291757	ENST00000468891	1939	NM_006893	EIF2D
A_21_P0010942	4,21226	4,29537	-1,059299099	ENST00000411791	643161	NM_001146157	FAM25A
A_23_P87879	1,55238	1,63552	-1,059321127	ENST00000228434	969	NM_001781	CD69
A_21_P0005279	1,34602	1,42916	-1,059321127	N/A	N/A	N/A	Inc-INTS1-1
A_21_P0005510	1,34274	1,42591	-1,059343155	N/A	N/A	N/A	Inc-PCLO-1
A_21_P0009028	1,6958	1,77902	-1,05937987	N/A	N/A	N/A	Inc-SALL1-1
A_24_P352637	3,33726	3,4205	-1,059394556	ENST00000556621	283629	NM_174944	TSSK4
A_32_P73217	9,04473	9,12797	-1,059394556	ENST00000338272	56900	NM_020141	TMEM167B
A_32_P466877	2,50594	2,5892	-1,059409242	ENST00000316436	132228	AK095927	LSMEM2
A_21_P0006439	4,88749	4,97077	-1,059423929	N/A	N/A	N/A	Inc-SLC25A6-1
A_32_P220739	4,26354	4,34694	-1,059512053	ENST00000615961	26149	NM_033160	ZNF658
A_23_P202501	8,54619	8,62962	-1,059534085	ENST00000466945	55328	NM_001031709	RNLS
A_22_P00000254	4,50748	4,59092	-1,059541429	ENST00000438935	N/A	N/A	N/A
A_21_P0000865	7,81908	7,90257	-1,059578151	ENST00000506222	100507584	NR_038989	LINC01016
A_23_P94857	10,8609	10,9444	-1,059585495	ENST00000544448	11253	NM_016219	MAN1B1
A_21_P0006910	5,93044	6,01395	-1,05959284	N/A	N/A	N/A	Inc-ADD3-2
A_19_P00321178	1,43186	1,51539	-1,059607529	ENST00000420819	101927136	NR_110840	LOC101927136
A_21_P0010800	3,23724	3,32081	-1,059636908	N/A	101927762	NR_120629	LOC101927762
A_23_P114134	1,49935	1,58294	-1,059651598	ENST00000298396	10214	NM_021014	SSX3
A_33_P3268395	1,56639	1,64998	-1,059651598	N/A	N/A	N/A	N/A
A_32_P168886	15,2146	15,2982	-1,059658943	ENST00000353999	7458	NM_022170	EIF4H
A_22_P00024059	8,83302	8,91667	-1,059695668	N/A	N/A	N/A	Inc-NDE1-1
A_23_P214658	9,48524	9,56891	-1,059710359	ENST00000375050	5089	NM_002586	PBX2
A_33_P3329169	1,47336	1,55705	-1,05972505	ENST00000430871	79679	NR_045603	VTCN1
A_33_P3278764	1,3983	1,48204	-1,059761778	N/A	100132078	NR_046085	LOC100132078
A_33_P3325250	1,70273	1,78647	-1,059761778	N/A	N/A	N/A	N/A
A_32_P100430	9,20375	9,2875	-1,059769123	N/A	101927974	XR_242328	LOC101927974
A_21_P0012145	3,16349	3,24724	-1,059769123	N/A	N/A	N/A	Inc-SPTLC3-2
A_21_P0010272	1,34726	1,43106	-1,059805853	N/A	N/A	N/A	Inc-TMPRSS15-9
A_33_P3240318	8,89572	8,97954	-1,059820545	ENST00000370002	5309	NM_005029	PITX3
A_22_P00020217	6,46079	6,54463	-1,059835237	ENST00000425153	N/A	N/A	N/A

A_21_P0014448	2,14312	2,22696	-1,059835237	N/A	101927659	NR_108077	SMAD1-AS2
A_22_P00009165	7,25821	7,34208	-1,059857276	N/A	100873949	NR_046696	IPO9-AS1
A_23_P300781	10,5454	10,6293	-1,059879316	ENST00000423368	4850	NM_013316	CNOT4
A_23_P214411	10,0516	10,1355	-1,059879316	ENST00000470973	2739	NM_006708	GLO1
A_32_P20691	9,89074	9,97467	-1,059901355	ENST00000562078	1198	NM_003992	CLK3
A_33_P3327290	1,61217	1,69611	-1,059908702	ENST00000333141	285429	NM_001029955	DCAF4L1
A_23_P69497	5,01321	5,09716	-1,059916049	ENST00000296130	7123	NM_003278	CLEC3B
A_22_P00001586	1,80817	1,89212	-1,059916049	N/A	N/A	BX499407	Inc-ARMC1-2
A_22_P00019071	1,43973	1,52371	-1,059938089	N/A	N/A	BC071802	Inc-CCT4-1
A_21_P0011668	2,93807	3,02205	-1,059938089	N/A	N/A	N/A	XLOC_I2_006575
A_33_P3374952	13,1932	13,2772	-1,059952783	ENST00000372299	128209	NM_173484	KLF17
A_24_P849801	12,3003	12,3843	-1,059952783	ENST00000234875	6146	NM_000983	RPL22
A_21_P0009962	1,34415	1,42815	-1,059952783	N/A	N/A	N/A	Inc-NCOA3-9
A_33_P3421703	1,38599	1,47002	-1,059974825	ENST00000613139	6668	BC005914	SP2
A_21_P0012085	2,02476	2,1088	-1,059982172	ENST00000420579	101060091	N/A	LOC101060091
A_33_P3655646	1,35226	1,43635	-1,060018909	N/A	5915	BC069735	RARB
A_23_P132763	3,81358	3,89767	-1,060018909	ENST00000398399	389136	NM_016206	VGLL3
A_21_P0005219	2,45271	2,53683	-1,060040951	ENST00000442800	223082	N/A	ZNRF2
A_24_P753161	7,11828	7,20243	-1,060062995	ENST00000374580	659	NM_001204	BMPR2
A_21_P0014151	1,71403	1,79818	-1,060062995	N/A	100506851	XR_108264	LOC100506851
A_21_P0001623	3,44157	3,52574	-1,06007769	N/A	N/A	N/A	Inc-PTPN14-3
A_24_P351283	6,34952	6,43369	-1,06007769	ENST00000263268	55686	NM_018000	MREG
A_33_P3359508	1,48015	1,56437	-1,06011443	N/A	1789	AB208880	DNMT3B
A_22_P00021653	4,40686	4,49108	-1,06011443	ENST00000478745	N/A	N/A	N/A
A_33_P3381064	3,08521	3,16949	-1,06015852	ENST00000478520	729159	NM_001282301	LOC729159
A_24_P19268	12,3278	12,4121	-1,060173217	ENST00000613286	148206	NM_182515	ZNF714
A_33_P3677020	4,56721	4,65158	-1,060224658	N/A	283888	NR_037158	IL21R-AS1
A_22_P00007933	7,47593	7,56032	-1,060239356	N/A	100873982	NR_046570	ABCC5-AS1
A_23_P415827	8,91299	8,9974	-1,060254055	ENST00000620483	23176	NM_015146	set-08
A_23_P207666	8,5442	8,62863	-1,060268753	ENST00000574788	84669	NM_032582	USP32
A_23_P218637	10,6061	10,6906	-1,060320199	ENST00000329516	84220	NM_005054	RGPD5
A_33_P3372600	1,66325	1,74777	-1,060334898	ENST00000565543	102723640	HY009132	LOC102723640
A_22_P00014702	3,32546	3,40999	-1,060342248	N/A	N/A	N/A	Inc-SLC25A37-1

A_22_P00002611	5,18233	5,26687	-1,060349597	N/A	N/A	N/A	Inc-C1QTNF8-4
A_23_P304543	10,0086	10,0932	-1,060393697	ENST00000466971	4799	NM_147133	NFX1
A_33_P3259821	6,91979	7,0044	-1,060401047	ENST00000461998	23348	NM_001130050	DOCK9
A_33_P3279847	6,46242	6,54708	-1,060437798	ENST00000367363	135250	NM_139165	RAET1E
A_21_P0002344	2,02977	2,11444	-1,060445149	N/A	101928103	N/A	LOC101928103
A_33_P3373970	1,70703	1,79171	-1,060452499	N/A	N/A	N/A	N/A
A_22_P00010175	7,7921	7,8768	-1,0604672	N/A	100505641	NR_046254	FGD5-AS1
A_24_P191971	7,99619	8,08094	-1,060503954	ENST00000297109	79685	NM_024632	SAP30L
A_21_P0012300	7,21919	7,30396	-1,060518656	N/A	N/A	N/A	XLOC_I2_009571
A_21_P0005470	4,49311	4,57788	-1,060518656	N/A	N/A	N/A	Inc-NDUFA4-1
A_23_P104819	1,61055	1,69535	-1,060540709	ENST00000531295	11181	NM_007180	TREH
A_22_P00010031	4,05787	4,14269	-1,060555411	ENST00000415655	N/A	N/A	N/A
A_33_P3233784	5,08128	5,16614	-1,060584817	ENST00000423535	255349	NM_001001663	TMEM211
A_22_P00001070	1,34633	1,4312	-1,060592168	ENST00000566990	N/A	BG188072	N/A
A_21_P0014173	5,35231	5,43725	-1,06064363	N/A	102724889	XR_425995	LOC102724889
A_22_P00012220	2,48095	2,56589	-1,06064363	N/A	100132163	NR_029379	PHKA2-AS1
A_23_P213661	8,89486	8,9798	-1,06064363	ENST00000358359	23262	NM_015216	PIIP5K2
A_21_P0014242	1,34474	1,42973	-1,060680389	N/A	N/A	AK131516	Inc-DENND1A-3
A_33_P3358347	9,24392	9,32891	-1,060680389	N/A	N/A	N/A	N/A
A_23_P31866	10,567	10,652	-1,060687741	ENST00000519391	90390	NM_080651	MED30
A_33_P3362781	7,53905	7,62405	-1,060687741	ENST00000564159	79786	XR_243425	KLHL36
A_21_P0007311	9,03826	9,12332	-1,060731855	N/A	N/A	N/A	Inc-C11orf89-1
A_23_P254896	1,40352	1,4886	-1,06074656	ENST00000439435	8823	NM_003868	FGF16
A_23_P397208	4,26961	4,3547	-1,060753913	ENST00000472225	2946	NM_000848	GSTM2
A_33_P3216433	8,01094	8,09604	-1,060761265	ENST00000424846	147804	NR_003148	TPM3P9
A_21_P0008273	1,62182	1,70693	-1,060768618	ENST00000499910	101929241	NR_110165	LOC101929241
A_21_P0006353	1,73189	1,81702	-1,060783323	N/A	N/A	N/A	Inc-RORB-2
A_33_P3262485	5,03735	5,12249	-1,060790676	ENST00000293725	147837	NM_145276	ZNF563
A_21_P0001802	5,09438	5,17956	-1,060820088	ENST00000414876	348761	NR_033879	SPATA3-AS1
A_23_P150931	9,37877	9,46396	-1,060827441	ENST00000547813	55716	NM_018113	LMBR1L
A_21_P0000137	5,31023	5,39544	-1,060842147	ENST00000561796	146227	NM_001197224	BEAN1
A_22_P00018561	3,36581	3,4511	-1,060900974	N/A	N/A	N/A	Inc-SERPINH1-1
A_21_P0001590	1,35266	1,43803	-1,060959805	N/A	N/A	N/A	Inc-PIGM-3

A_23_P157051	8,23915	8,32453	-1,060967159	ENST00000479916	9179	NM_004722	AP4M1
A_24_P213924	12,7425	12,8279	-1,060981867	ENST00000343629	57707	NM_020947	TLDC1
A_23_P103942	11,0036	11,089	-1,060981867	ENST00000377577	55735	NM_018198	DNAJC11
A_32_P18072	5,00338	5,08884	-1,061025993	N/A	N/A	N/A	lnc-RLBP1-1
A_21_P0009529	1,34466	1,43014	-1,061040702	N/A	N/A	N/A	lnc-PIEZO2-3
A_33_P3368706	10,2172	10,3027	-1,061055411	ENST00000372654	4802	NM_001142590	NFYC
A_21_P0013758	1,34389	1,42942	-1,061077476	N/A	101928761	XM_005274633	LOC101928761
A_22_P00010780	5,62761	5,71318	-1,061106895	ENST00000513489	101928978	NR_125909	LOC101928978
A_33_P3372869	6,36398	6,44958	-1,061128961	ENST00000615769	11056	NM_001291476	DDX52
A_33_P3345016	3,76186	3,84749	-1,061151027	ENST00000289753	3362	NM_000871	HTR6
A_33_P3671647	2,77857	2,86422	-1,061165737	ENST00000512043	441025	NR_033964	LOC441025
A_21_P0009821	6,28342	6,36911	-1,061195159	N/A	100652730	NR_046224	LINC00659
A_23_P26325	10,2561	10,3418	-1,061202515	ENST00000219244	6361	NM_002987	CCL17
A_33_P3386089	1,67999	1,7657	-1,061209871	ENST00000376987	N/A	N/A	N/A
A_21_P0010912	16,5292	16,615	-1,061276075	N/A	N/A	N/A	XLOC_l2_002176
A_24_P145911	10,9837	11,0695	-1,061276075	ENST00000342294	6434	XM_006713724	TRA2B
A_23_P59192	14,402	14,4878	-1,061276075	ENST00000374018	6631	NM_003093	SNRPC
A_21_P0009405	1,67896	1,76481	-1,061312856	N/A	102723471	XR_424817	LOC102723471
A_23_P31315	14,5892	14,6751	-1,061349639	ENST00000481057	11335	NM_016587	CBX3
A_33_P3381305	9,28029	9,3662	-1,061356996	N/A	N/A	N/A	N/A
A_33_P3300975	8,78312	8,86911	-1,061415852	ENST00000430889	3221	NM_014620	HOXC4
A_21_P0009045	1,34874	1,43483	-1,061489426	N/A	N/A	N/A	lnc-CDH11-1
A_24_P943957	8,81739	8,90349	-1,061496784	ENST00000264380	200576	NM_015040	PIKFYVE
A_33_P3217507	1,34527	1,4314	-1,061518857	N/A	N/A	N/A	N/A
A_21_P0014852	2,30986	2,3961	-1,061599797	ENST00000513535	N/A	N/A	N/A
A_19_P00318889	4,54169	4,62793	-1,061599797	ENST00000461374	85379	XM_003846461	KIAA1671
A_22_P00000881	1,34539	1,43164	-1,061607156	ENST00000433342	284498	NM_001010881	C1orf167
A_33_P3252236	9,26284	9,34912	-1,061629231	ENST00000303775	29104	NR_047510	N6AMT1
A_22_P00010457	1,34557	1,43186	-1,06163659	N/A	N/A	N/A	lnc-NACA2-1
A_33_P3360887	12,1023	12,1886	-1,061643949	ENST00000370082	85441	BC104974	HELZ2
A_24_P722216	8,78488	8,87124	-1,061688102	ENST00000263035	55526	NM_018706	DHTKD1
A_22_P00000845	1,34696	1,43335	-1,06171018	ENST00000514258	1393	N/A	CRHBP
A_33_P3403887	3,43902	3,52542	-1,061717539	ENST00000361724	27328	AB026187	PCDH11X

A_33_P3406962	1,74803	1,83443	-1,061717539	ENST00000532977	2626	XM_006716249	GATA4
A_23_P74205	1,33959	1,426	-1,061724898	N/A	N/A	AF090941	N/A
A_22_P00004048	1,35109	1,43751	-1,061732257	ENST00000414965	N/A	N/A	N/A
A_23_P16214	9,51368	9,60015	-1,061769055	ENST00000393261	84261	NM_032301	FBXW9
A_23_P425502	8,69343	8,77992	-1,061783774	ENST00000442660	29980	NM_017613	DONSON
A_24_P169073	10,0691	10,1556	-1,061791134	ENST00000375662	348487	NM_182623	FAM131C
A_23_P90497	3,33356	3,4201	-1,061820573	ENST00000595581	23547	NM_012276	LILRA4
A_24_P133488	8,88741	8,974	-1,061857374	ENST00000392590	55038	NM_017955	CDCA4
A_23_P25684	12,2103	12,2969	-1,061864734	ENST00000553578	51109	NM_016026	RDH11
A_24_P128145	7,07633	7,16296	-1,061886815	ENST00000435231	1386	NM_001880	ATF2
A_24_P415601	12,5233	12,61	-1,06193834	ENST00000524464	6050	NM_002939	RNH1
A_33_P3317988	8,5259	8,61261	-1,0619457	ENST00000371870	51727	NM_016308	CMPK1
A_33_P3290174	8,07429	8,16101	-1,061953061	ENST00000305631	123099	NM_206918	DEGS2
A_33_P3209866	8,43559	8,52231	-1,061953061	ENST00000382289	23189	NM_001256877	KANK1
A_21_P0004638	6,21204	6,29877	-1,061960422	N/A	414760	N/A	HCG14
A_24_P85942	8,6059	8,69266	-1,061982505	ENST00000482325	9648	NM_181453	GCC2
A_33_P3264667	1,73338	1,8202	-1,062026673	ENST00000285949	340665	NM_183374	CYP26C1
A_21_P0000097	4,55593	4,64277	-1,062041396	ENST00000419197	5049	NM_001184746	PAFAH1B2
A_22_P00007891	1,79145	1,87832	-1,062063481	ENST00000618977	5570	NM_001270393	PKIB
A_22_P00022849	1,34516	1,43204	-1,062070842	ENST00000429317	N/A	N/A	N/A
A_21_P0003691	1,88537	1,97225	-1,062070842	N/A	N/A	N/A	Inc-RP11-701P16.2.1-2
A_33_P3434239	1,34761	1,43456	-1,062122376	ENST00000579781	400660	AK094957	LINC00683
A_21_P0012116	8,05486	8,14185	-1,062151824	ENST00000610388	342892	NM_001193552	ZNF850
A_22_P00021489	1,34619	1,43319	-1,062159186	N/A	N/A	N/A	Inc-ATP11B-4
A_21_P0007515	3,96369	4,05073	-1,062188636	ENST00000537192	N/A	N/A	N/A
A_22_P00016883	1,39718	1,48428	-1,062232812	N/A	N/A	N/A	Inc-TSEN15-2
A_23_P38271	1,34649	1,43367	-1,062291717	ENST00000397183	4620	NM_017534	MYH2
A_23_P307400	12,2864	12,3736	-1,062306443	ENST00000556440	90799	NM_138363	CEP95
A_22_P00021844	2,06164	2,14887	-1,062328534	N/A	N/A	DW433444	Inc-PGPEP1L-2
A_21_P0002604	1,60741	1,69472	-1,062387443	ENST00000618807	N/A	N/A	N/A
A_21_P0011459	2,32229	2,40966	-1,062431628	N/A	101927814	N/A	LOC101927814
A_21_P0002038	2,71789	2,80527	-1,062438992	ENST00000416279	N/A	N/A	N/A
A_33_P6811423	2,2583	2,34575	-1,062490543	N/A	100506844	N/A	LOC100506844

A_24_P158903	6,66094	6,74848	-1,062556827	ENST00000448290	51135	NM_016123	IRAK4
A_22_P00003217	2,6847	2,77233	-1,062623114	N/A	N/A	N/A	Inc-CACNA1C-1
A_23_P334608	13,076	13,1637	-1,062674674	ENST00000447929	2990	NM_000181	GUSB
A_33_P3412016	10,4779	10,5656	-1,062674674	ENST00000560089	10509	NM_020210	SEMA4B
A_32_P128209	5,45663	5,54435	-1,062689406	ENST00000436592	202299	NR_026936	LINC01554
A_24_P920979	8,48737	8,57515	-1,062733603	ENST00000332783	140460	NM_198243	ASB7
A_23_P256244	6,95103	7,03882	-1,06274097	ENST00000497705	55074	AK096148	OXR1
A_33_P3661329	1,94412	2,03192	-1,062748336	ENST00000423197	284661	NR_027088	LOC284661
A_21_P0014709	11,3435	11,4313	-1,062748336	N/A	654433	NR_047570	PAX8-AS1
A_23_P160869	8,83816	8,92603	-1,062799902	ENST00000466161	9860	NM_014813	LRIG2
A_33_P3420053	3,12833	3,21621	-1,062807269	ENST00000598578	55786	NM_001136038	ZNF415
A_23_P43490	8,67777	8,76572	-1,062858838	ENST00000530628	1029	NM_058197	CDKN2A
A_33_P3416682	4,83136	4,91942	-1,06293988	ENST00000378711	400950	NM_001242815	C2orf91
A_22_P00015779	3,30284	3,3909	-1,06293988	ENST00000543558	N/A	N/A	N/A
A_23_P170888	1,34894	1,43701	-1,062947248	ENST00000332007	1804	NM_001039350	DPP6
A_23_P140170	11,207	11,2951	-1,062969351	ENST00000307712	10484	NM_006364	SEC23A
A_23_P1594	13,7919	13,88	-1,062969351	ENST00000426086	7423	NM_003377	VEGFB
A_33_P6475164	1,72662	1,81473	-1,062976719	ENST00000429010	101929086	NR_108090	LINC01447
A_33_P3311205	6,39588	6,48401	-1,062991455	ENST00000548825	25766	NM_012272	PRPF40B
A_23_P112406	12,7292	12,8174	-1,063043033	ENST00000372108	9328	NM_012087	GTF3C5
A_22_P00019073	1,69412	1,78232	-1,063043033	ENST00000518590	N/A	N/A	N/A
A_33_P3329597	10,9976	11,0858	-1,063043033	ENST00000433642	388552	NM_212550	BLOC1S3
A_23_P50081	12,6463	12,7346	-1,06311672	ENST00000590107	3613	NM_014214	IMPA2
A_22_P00001855	2,63847	2,72677	-1,06311672	N/A	101929335	NR_110150	ADAMTS9-AS1
A_22_P00003131	4,93155	5,01991	-1,063160935	N/A	N/A	N/A	Inc-C9orf139-1
A_21_P0001432	1,67217	1,76054	-1,063168304	N/A	N/A	N/A	Inc-SNAP47-1
A_23_P28953	9,51103	9,59947	-1,063219891	ENST00000328111	1789	NM_175850	DNMT3B
A_33_P3410892	6,10128	6,18973	-1,06322726	ENST00000587271	N/A	N/A	N/A
A_33_P3274935	9,95044	10,0389	-1,06323463	ENST00000425042	283987	NM_030630	HID1
A_33_P3353330	2,87081	2,9593	-1,06325674	N/A	N/A	AK098147	Inc-MTFP1-2
A_33_P3323486	4,07542	4,16394	-1,06327885	N/A	N/A	AB529256	N/A
A_23_P97541	3,26035	3,3489	-1,06330096	ENST00000367070	722	NM_000715	C4BPA
A_22_P00010071	4,74174	4,83029	-1,06330096	ENST00000568136	N/A	N/A	N/A

A_24_P270144	16,6278	16,7164	-1,063337812	ENST00000551173	967	NM_001257389	CD63
A_24_P174824	10,584	10,6726	-1,063337812	ENST00000297151	10569	NM_006425	SLU7
A_33_P3418942	11,2366	11,3252	-1,063337812	ENST00000567110	11051	NM_007006	NUDT21
A_23_P169838	13,0413	13,13	-1,06341152	ENST00000413171	23353	NM_025154	SUN1
A_24_P409824	7,38145	7,47019	-1,063441004	ENST00000420492	N/A	N/A	N/A
A_33_P3350374	11,1196	11,2084	-1,063485232	ENST00000372188	84293	NM_001243780	FAM213A
A_33_P3210875	7,06678	7,15559	-1,063492604	ENST00000343533	538	NM_000052	ATP7A
A_33_P3366102	8,56322	8,65203	-1,063492604	ENST00000459661	55975	NM_001172428	KLHL7
A_24_P361816	6,59578	6,68459	-1,063492604	ENST00000390285	N/A	BC023973	N/A
A_21_P0008540	5,37674	5,46557	-1,063507347	N/A	N/A	N/A	Inc-MAP3K9-3
A_23_P307955	6,53047	6,61934	-1,063536834	ENST00000379262	23408	NM_031244	SIRT5
A_22_P00022929	6,47062	6,55952	-1,06355895	ENST00000424313	N/A	BM690161	N/A
A_21_P0007584	1,60197	1,69091	-1,063588439	N/A	N/A	N/A	Inc-ZDHHC17-6
A_33_P3391240	1,69881	1,78777	-1,063603183	ENST00000537763	401409	NM_001008749	RAB19
A_33_P3369461	5,92866	6,01763	-1,063610556	ENST00000369862	57463	NM_020703	AMIGO1
A_33_P3351944	8,56871	8,65769	-1,063617928	ENST00000420316	1956	NM_201283	EGFR
A_23_P323924	13,4791	13,5681	-1,063632673	ENST00000359980	118813	NM_001002261	ZFYVE27
A_33_P3284295	2,41061	2,49961	-1,063632673	N/A	N/A	N/A	N/A
A_22_P00008034	4,26518	4,35422	-1,063662163	ENST00000441803	N/A	BC035740	N/A
A_23_P156445	1,71903	1,80813	-1,063706401	ENST00000370336	55510	NM_018665	DDX43
A_23_P102876	14,0863	14,1754	-1,063706401	ENST00000286788	10694	NM_006585	CCT8
A_23_P168868	13,9582	14,0473	-1,063706401	ENST00000337004	9791	NM_014754	PTDSS1
A_22_P00018683	2,73791	2,82708	-1,063758013	N/A	N/A	N/A	Inc-WDR67-2
A_21_P0005402	1,50212	1,59129	-1,063758013	N/A	N/A	N/A	Inc-ASB4-3
A_23_P255444	8,89343	8,98264	-1,063787507	ENST00000514301	27071	NM_014395	DAPP1
A_21_P0002589	1,53759	1,6268	-1,063787507	N/A	N/A	N/A	Inc-GALM-3
A_22_P00001798	1,59646	1,68572	-1,063824376	N/A	N/A	N/A	Inc-ATP6AP2-3
A_24_P110062	9,31344	9,40274	-1,063853872	ENST00000527079	114971	NM_175732	PTPMT1
A_33_P3293391	6,77856	6,86788	-1,06386862	N/A	642826	BC008503	BMS1P6
A_22_P00004149	5,20315	5,2925	-1,063890743	ENST00000562888	101928035	NR_104657	LOC101928035
A_23_P130352	9,18832	9,2778	-1,063986614	ENST00000580638	284252	NM_198991	KCTD1
A_23_P9582	14,4035	14,4931	-1,064075117	ENST00000569217	7284	NM_003321	TUFM
A_33_P3284662	9,60954	9,69915	-1,064082493	ENST00000390658	163126	NM_153232	EID2

A_23_P313476	8,87359	8,96326	-1,064126748	ENST00000619268	84498	NM_032448	FAM120B
A_24_P204214	11,1057	11,1954	-1,064148876	ENST00000579974	9611	NM_006311	NCOR1
A_23_P111228	8,56658	8,6563	-1,064163628	ENST00000369242	51805	NM_017421	COQ3
A_21_P0011997	1,35001	1,43975	-1,064178381	ENST00000450695	100506274	N/A	LOC100506274
A_23_P165598	3,95728	4,04702	-1,064178381	ENST00000621326	92196	NM_001017920	DAPL1
A_24_P178396	3,01651	3,10629	-1,064207886	ENST00000432940	441273	NM_001031618	SPDYE2
A_33_P3302428	9,55939	9,64919	-1,06422264	ENST00000301624	57690	NM_001142640	TNRC6C
A_23_P1505	10,4803	10,5701	-1,06422264	ENST00000529993	4041	NM_002335	LRP5
A_22_P00013891	3,14302	3,23285	-1,06424477	N/A	N/A	N/A	Inc-RPRML-4
A_33_P3300757	7,04817	7,13806	-1,064289031	ENST00000237163	23033	NM_001199942	DOPEY1
A_33_P3339276	5,00182	5,09177	-1,064333295	ENST00000566754	54988	NM_017888	ACSM5
A_22_P00021955	3,07906	3,16902	-1,064340672	ENST00000412381	N/A	N/A	N/A
A_21_P0001600	4,63493	4,7249	-1,06434805	N/A	N/A	N/A	Inc-EDEM3-2
A_24_P218970	11,2248	11,3148	-1,064370182	ENST00000262056	1975	NM_001417	EIF4B
A_24_P25530	3,68226	3,77226	-1,064370182	ENST00000293190	2905	NM_000835	GRIN2C
A_33_P3335451	13,6932	13,7832	-1,064370182	ENST00000311101	55486	NM_018622	PARL
A_33_P3309809	4,10037	4,1904	-1,064392316	N/A	84236	XM_005246899	RHBDD1
A_33_P3419108	1,66992	1,75999	-1,064421827	ENST00000306589	442862	NM_001002758	PRY2
A_33_P3355266	12,6314	12,7215	-1,064443962	ENST00000457433	64129	NM_022164	TINAGL1
A_22_P00010546	1,98965	2,0798	-1,064480853	N/A	101927377	XR_244186	LOC101927377
A_33_P3240144	4,37135	4,46161	-1,064562019	N/A	N/A	N/A	N/A
A_24_P233078	10,5298	10,6201	-1,064591535	ENST00000441253	23615	N/A	PYY2
A_33_P3229869	4,74568	4,836	-1,064606293	ENST00000383019	100128714	NR_040082	LOC100128714
A_23_P1170	5,4363	5,52665	-1,064628432	ENST00000374370	93550	NM_174890	ZFAND4
A_21_P0002030	2,45985	2,55024	-1,06465795	ENST00000440785	N/A	N/A	N/A
A_21_P0014708	4,65134	4,74174	-1,064665329	ENST00000505245	90423	AK123751	ATP6V1E2
A_21_P0010899	13,489	13,5794	-1,064665329	ENST00000414870	N/A	N/A	N/A
A_33_P3324765	11,5898	11,6803	-1,064739129	ENST00000403276	1453	NM_001893	CSNK1D
A_22_P00015268	4,3193	4,4098	-1,064739129	N/A	N/A	N/A	Inc-SPARCL1-1
A_33_P3866448	1,98112	2,07163	-1,064746509	N/A	N/A	BX648501	N/A
A_21_P0001236	1,73429	1,82481	-1,064753889	N/A	N/A	N/A	Inc-C1orf96-2
A_23_P137046	7,73177	7,82245	-1,064871981	ENST00000378220	60506	NM_022567	NYX
A_23_P130169	8,82043	8,91111	-1,064871981	ENST00000622396	9755	NM_014726	TBKBP1



A_22_P00022679	5,45912	5,54981	-1,064879362	N/A	N/A	N/A	Inc-CLCN6-1
A_24_P195724	13,0025	13,0932	-1,064886743	ENST00000458237	N/A	N/A	N/A
A_23_P307570	1,69804	1,78874	-1,064886743	ENST00000467409	150000	NR_003087	ABCC13
A_24_P287780	7,99988	8,09063	-1,06492365	ENST00000550872	5119	NM_002768	CHMP1A
A_22_P00002296	4,13153	4,22231	-1,064945795	N/A	N/A	N/A	Inc-C11orf1-1
A_33_P3374833	11,9027	11,9935	-1,064960558	ENST00000220531	26258	NM_012388	BLOC1S6
A_23_P9289	5,54259	5,6334	-1,06496794	ENST00000458034	5991	NM_134428	RFX3
A_22_P00015369	2,06714	2,15797	-1,064982704	N/A	N/A	N/A	Inc-SQLE-1
A_22_P00021466	6,71458	6,80542	-1,064990086	N/A	N/A	N/A	Inc-CENPP-1
A_33_P3272483	12,8834	12,9743	-1,065034378	ENST00000524782	84364	NM_032389	ARFGAP2
A_22_P00004533	1,42629	1,51726	-1,065086055	ENST00000528480	102724915	N/A	LOC102724915
A_33_P3570974	5,7922	5,88327	-1,065159884	N/A	N/A	BC043205	Inc-INTS9-1
A_23_P24077	5,26182	5,35294	-1,0651968	ENST00000394957	64115	NM_022153	C10orf54
A_22_P00023563	4,42536	4,51651	-1,065218951	N/A	N/A	DA338519	Inc-CYTH4-1
A_33_P3275065	1,66073	1,75196	-1,065278021	ENST00000450456	N/A	N/A	N/A
A_22_P00003997	1,57056	1,6618	-1,065285405	ENST00000512628	N/A	N/A	N/A
A_24_P181944	8,93075	9,022	-1,065292789	ENST00000486408	51230	NM_016436	PHF20
A_23_P20832	11,8076	11,8989	-1,065329709	ENST00000372739	6709	NM_003127	SPTAN1
A_24_P129232	11,8081	11,8994	-1,065329709	ENST00000339697	57515	NM_020755	SERINC1
A_24_P602507	7,39836	7,4897	-1,065359247	ENST00000408962	123688	NM_001013619	HYKK
A_21_P0014587	1,51023	1,60158	-1,065366632	ENST00000417931	100507058	NR_108052	LINC00845
A_33_P3343516	4,50831	4,59971	-1,065403555	ENST00000566462	100129617	NR_045112	LOC100129617
A_24_P57367	12,6941	12,7855	-1,065403555	ENST00000538132	191	NM_000687	AHCY
A_33_P3290296	7,29292	7,38432	-1,065403555	ENST00000605265	N/A	AK125829	N/A
A_22_P00017561	8,53354	8,62502	-1,065462635	N/A	266655	NR_015427	LINC00094
A_33_P3336720	6,66333	6,75481	-1,065462635	ENST00000598398	57817	NM_021175	HAMP
A_23_P503127	2,90745	2,99896	-1,065484791	ENST00000396417	55964	NM_145733	set-03
A_24_P355720	2,48997	2,58151	-1,065506947	ENST00000168712	2249	NM_002007	FGF4
A_33_P3316562	4,22973	4,32128	-1,065514333	ENST00000418736	9252	NM_182398	RPS6KA5
A_33_P3302796	14,3386	14,4302	-1,065551262	ENST00000450554	11338	NM_007279	U2AF2
A_24_P203814	6,798	6,88961	-1,065558647	ENST00000331979	N/A	N/A	N/A
A_21_P0006310	6,41213	6,50379	-1,065595578	N/A	N/A	N/A	Inc-C9orf152-1
A_22_P00017894	4,94647	5,03813	-1,065595578	ENST00000552780	N/A	N/A	N/A

A_21_P0011580	5,51729	5,60897	-1,06561035	N/A	N/A	N/A	XLOC_I2_006025
A_21_P0013000	15,6388	15,7305	-1,065625123	ENST00000604257	N/A	N/A	N/A
A_22_P00020401	1,65272	1,74444	-1,065639895	ENST00000435485	N/A	N/A	N/A
A_22_P00010715	1,65992	1,75166	-1,065654668	ENST00000507337	102724596	NR_110882	LOC102724596
A_33_P3394868	9,74487	9,83673	-1,065743311	ENST00000444870	388588	NM_001163724	SMIM1
A_21_P0008102	1,43438	1,52626	-1,065758085	N/A	N/A	N/A	Inc-GPC5-3
A_33_P3243175	12,0093	12,1012	-1,06577286	N/A	55163	NM_018129	PNPO
A_33_P3230264	10,6677	10,7596	-1,06577286	ENST00000394299	2719	NM_001164617	GPC3
A_32_P179837	5,69711	5,78906	-1,065809797	ENST00000569714	146310	NM_174903	RNF151
A_22_P00000609	3,96704	4,05899	-1,065809797	N/A	N/A	BC019855	Inc-ACOT1-1
A_23_P397341	7,96809	8,06004	-1,065809797	ENST00000293978	124222	NM_152341	PAQR4
A_22_P00004763	7,28471	7,37668	-1,065824573	N/A	N/A	CO247556	Inc-CTTN-3
A_21_P0001717	6,4853	6,57731	-1,065854124	N/A	N/A	N/A	Inc-NLRP3-1
A_24_P348925	10,1123	10,2044	-1,065920617	ENST00000555842	8812	NM_001099402	CCNK
A_33_P3447441	7,13538	7,22754	-1,065964949	N/A	N/A	AL713660	Inc-WDR1-1
A_33_P3296289	3,43335	3,5256	-1,066031449	N/A	100128508	AF370407	LOC100128508
A_33_P3232038	8,39904	8,49133	-1,066061006	ENST00000498308	100533952	NM_001204513	RBAK-RBAKDN
A_33_P3292126	8,639	8,73129	-1,066061006	N/A	N/A	N/A	XLOC_I2_013837
A_33_P3556116	1,68296	1,77526	-1,066068396	ENST00000563737	N/A	AL109682	N/A
A_33_P3301381	11,7127	11,805	-1,066068396	ENST00000331426	375287	NM_198557	RBM43
A_33_P3234048	3,06642	3,15875	-1,066090564	ENST00000354366	55051	AK125681	NRDE2
A_23_P165989	8,20753	8,29989	-1,066112733	ENST00000372518	140825	NM_080749	NEURL2
A_24_P81841	10,5033	10,5957	-1,066142293	ENST00000228872	1027	NM_004064	CDKN1B
A_33_P3441576	8,14347	8,23591	-1,066171853	ENST00000604423	653464	NM_001271872	SRGAP2C
A_24_P102895	7,53007	7,62255	-1,066201414	ENST00000361771	23038	NM_015023	WDTC1
A_22_P00012574	2,40673	2,49922	-1,066208804	ENST00000453045	101928040	XR_242647	BARX1-AS1
A_33_P3247858	1,48439	1,57696	-1,066267929	ENST00000488694	4354	NM_001166461	MPP1
A_23_P154330	11,4802	11,5728	-1,066290101	ENST00000264255	10190	NM_005783	TXNDC9
A_22_P00006200	6,6365	6,72912	-1,066304883	ENST00000369796	85369	NM_033088	STRIP1
A_24_P323114	7,3719	7,46452	-1,066304883	ENST00000404883	305	NR_001446	ANXA2P3
A_22_P00001022	1,47843	1,5711	-1,066341839	N/A	N/A	BG181360	Inc-AL391421.1-5
A_33_P3219197	7,236	7,32868	-1,066349231	ENST00000478158	26000	NM_015527	TBC1D10B
A_33_P3235137	1,67933	1,77209	-1,066408363	ENST00000569446	83482	NM_031309	SCRT1

A_23_P337550	12,0424	12,1352	-1,066437931	ENST00000376488	55593	NM_017602	OTUD5
A_21_P0012793	2,86791	2,96074	-1,066460107	ENST00000509105	101927282	N/A	LOC101927282
A_33_P3413083	9,55267	9,64557	-1,066511853	ENST00000262187	6009	NM_005614	RHEB
A_24_P465772	15,0182	15,1111	-1,066511853	ENST00000493929	204010	NR_026825	RPSAP52
A_22_P00013019	1,75139	1,84429	-1,066511853	ENST00000557715	N/A	N/A	N/A
A_23_P302568	5,21069	5,30361	-1,066526638	ENST00000233535	7781	NM_003459	SLC30A3
A_22_P00004242	2,88141	2,97434	-1,066534031	ENST00000563954	N/A	XR_243482	N/A
A_22_P00023799	2,80122	2,89419	-1,066563602	N/A	N/A	N/A	Inc-KCNT1-2
A_33_P3374971	2,0576	2,15058	-1,066570995	ENST00000532912	642569	NR_028346	TRIM53AP
A_22_P00025425	2,7484	2,8414	-1,066585781	N/A	N/A	N/A	Inc-ARMC6-1
A_19_P00801917	8,5486	8,64173	-1,066681894	N/A	N/A	N/A	Inc-FARS2-2
A_33_P3366540	1,69786	1,79105	-1,066726257	ENST00000397998	55790	NM_001130518	CSGALNACT1
A_23_P75889	11,9271	12,0203	-1,066733651	ENST00000533717	5719	NM_175932	PSMD13
A_24_P316489	8,97442	9,06767	-1,066770622	ENST00000497536	4705	NM_004544	NDUFA10
A_23_P60166	5,87863	5,97189	-1,066778016	ENST00000286234	64798	NM_022783	DEPTOR
A_33_P3242493	7,97236	8,06565	-1,0668002	ENST00000326291	10464	NM_006346	PIBF1
A_22_P00005122	10,0338	10,1271	-1,066807594	N/A	N/A	N/A	Inc-DHX15-1
A_23_P206626	1,89367	1,98698	-1,066814989	ENST00000300061	6340	NM_001039	SCNN1G
A_22_P00003317	1,39998	1,4933	-1,066822383	N/A	N/A	N/A	Inc-CAPZA3-3
A_22_P00008982	1,73818	1,83152	-1,066837173	N/A	N/A	CR740118	Inc-LAMA2-2
A_19_P00316547	6,58302	6,67637	-1,066844568	ENST00000505702	N/A	N/A	N/A
A_33_P3307113	4,33522	4,42858	-1,066851962	ENST00000436428	692094	NM_001044264	MSMP
A_21_P0005624	1,55257	1,64596	-1,066874147	ENST00000506428	100505532	NR_103854	LINC01301
A_32_P129288	12,6759	12,7693	-1,066881542	ENST00000311481	81876	NM_030981	RAB1B
A_33_P3210368	4,68151	4,77502	-1,066962891	ENST00000574418	9274	NM_001286526	BCL7C
A_24_P941625	4,4604	4,55392	-1,066970287	ENST00000341976	7621	NM_021916	ZNF70
A_22_P00021975	2,42664	2,52021	-1,067007266	ENST00000481182	27033	NM_014383	ZBTB32
A_21_P0006608	1,70377	1,79735	-1,067014662	N/A	N/A	N/A	Inc-RBMY1B-1
A_22_P00012872	9,06725	9,16084	-1,067022058	ENST00000566108	N/A	N/A	N/A
A_23_P201287	10,0652	10,1588	-1,067029454	ENST00000620295	23095	NM_015074	KIF1B
A_33_P3388588	12,9801	13,0737	-1,067029454	ENST00000378340	400558	NR_046200	LOC400558
A_33_P3313801	4,17254	4,26616	-1,067044246	ENST00000317945	91057	NM_080654	CCDC34
A_21_P0014008	7,87506	7,96874	-1,067088624	ENST00000568013	79692	NM_001242797	ZNF322

A_23_P72989	2,03283	2,12652	-1,06709602	ENST00000330953	1233	NM_005508	CCR4
A_23_P149099	14,3817	14,4754	-1,067103417	ENST00000375048	1650	NM_005216	DDOST
A_33_P3273777	4,52785	4,62159	-1,067133004	ENST00000296882	375519	NM_198568	GJB7
A_23_P331560	1,41367	1,50743	-1,067147798	ENST00000265715	5172	NM_000441	SLC26A4
A_22_P00015965	8,23292	8,3267	-1,067162591	N/A	N/A	BX493510	Inc-TEFM-2
A_24_P70993	10,6568	10,7506	-1,067177386	ENST00000497752	4267	NM_002414	CD99
A_33_P3283780	8,26186	8,35566	-1,067177386	ENST00000322357	51341	NM_015898	ZBTB7A
A_24_P237757	10,7935	10,8873	-1,067177386	ENST00000382881	7750	AL136621	ZMYM2
A_33_P3294720	3,78663	3,88047	-1,067206974	N/A	100130865	AK123130	LOC100130865
A_33_P3268868	7,01253	7,10639	-1,067221769	N/A	N/A	N/A	N/A
A_22_P00019460	3,67819	3,77207	-1,067236564	ENST00000457157	100996609	N/A	LINC01436
A_24_P47681	9,59312	9,68703	-1,067258757	ENST00000545606	55832	AL136810	CAND1
A_23_P154740	10,5052	10,5992	-1,067325338	ENST00000441136	55857	NM_018474	KIZ
A_22_P00025368	1,36529	1,45935	-1,067369728	ENST00000507948	N/A	N/A	N/A
A_23_P215070	9,65079	9,74487	-1,067384525	ENST00000223208	95681	NM_018718	CEP41
A_33_P3250068	12,4858	12,5799	-1,067399322	ENST00000427123	9784	NM_014748	SNX17
A_23_P117363	6,27755	6,37166	-1,067406721	ENST00000341584	866	NM_001756	SERPINA6
A_33_P3359771	1,60261	1,69676	-1,067436316	ENST00000459972	477	NM_000702	ATP1A2
A_22_P00001711	2,56909	2,66324	-1,067436316	N/A	N/A	N/A	Inc-ATG16L2-3
A_23_P41588	11,0144	11,1086	-1,067473311	ENST00000230771	23438	NM_012208	HARS2
A_33_P3275801	7,77782	7,87208	-1,067517707	ENST00000373960	1674	NM_001927	DES
A_21_P0007425	4,44442	4,53876	-1,067576904	N/A	N/A	N/A	Inc-TSSC4-2
A_23_P258088	4,15117	4,24554	-1,067599104	ENST00000620693	29993	NM_020804	PACSIN1
A_22_P00007264	1,43328	1,52768	-1,067621304	ENST00000478814	N/A	N/A	N/A
A_33_P3323989	1,78155	1,87596	-1,067628705	N/A	N/A	N/A	N/A
A_33_P3404448	8,45616	8,55072	-1,067739714	ENST00000342415	154007	NM_152551	SNRNP48
A_33_P3241316	4,42412	4,51873	-1,06777672	ENST00000561893	255189	NM_213600	PLA2G4F
A_21_P0008790	3,85536	3,94999	-1,067791522	N/A	N/A	N/A	Inc-AC016251.1-8
A_24_P8109	9,12079	9,21546	-1,067821128	ENST00000524802	338440	NM_001012302	ANO9
A_23_P1206	17,4511	17,5458	-1,067843333	ENST00000605314	6229	NM_001026	RPS24
A_22_P00024525	1,67431	1,76907	-1,067887744	ENST00000548506	N/A	DA539686	N/A
A_23_P97221	8,24433	8,3391	-1,067895147	ENST00000372502	51058	NM_015911	ZNF691
A_22_P00015513	5,1401	5,23494	-1,067946962	N/A	101929294	NR_125808	LOC101929294

A_33_P3395196	3,72166	3,81659	-1,068013586	N/A	N/A	DA380124	N/A
A_33_P3270826	1,70019	1,79517	-1,068050602	N/A	284486	NM_182578	THEM5
A_33_P3315929	9,94351	10,0385	-1,068058005	ENST00000374255	9991	NM_001244897	PTBP3
A_21_P0013752	1,97941	2,0746	-1,068206079	N/A	N/A	N/A	XL0C_I2_015441
A_23_P63178	12,2183	12,3135	-1,068213484	ENST00000263974	6883	NM_005644	TAF12
A_22_P00012561	8,2167	8,31194	-1,068243101	N/A	100506476	NR_109995	LOC100506476
A_22_P00016145	7,64834	7,74363	-1,068280124	N/A	N/A	N/A	Inc-TIMM9-2
A_23_P81241	12,4271	12,5224	-1,068287529	ENST00000503388	80762	NM_030571	NDFIP1
A_23_P18017	3,28607	3,38142	-1,068324554	ENST00000296046	1359	NM_001870	CPA3
A_23_P43141	15,6759	15,7713	-1,06836158	ENST00000519517	3646	NM_001568	EIF3E
A_22_P00017934	4,20195	4,29735	-1,06836158	N/A	N/A	N/A	Inc-ZFP90-2
A_23_P41390	9,34802	9,44345	-1,068383796	ENST00000502669	54436	NM_018986	SH3TC1
A_33_P3326387	2,75716	2,85261	-1,068398607	ENST00000512432	91050	NM_173463	CCDC149
A_24_P322635	9,92379	10,0193	-1,068443041	ENST00000396391	63916	NM_182764	ELMO2
A_33_P6807856	4,23544	4,33095	-1,068443041	ENST00000447563	154822	NR_024394	LINC00689
A_33_P3415778	2,98678	3,08232	-1,068465259	N/A	100129721	AK126643	LOC100129721
A_22_P00021084	5,97375	6,06932	-1,068487478	N/A	N/A	N/A	Inc-KANSL3-1
A_24_P417706	5,25241	5,34798	-1,068487478	ENST00000427908	83463	NM_001142935	MXD3
A_23_P27197	2,01178	2,10739	-1,068517103	ENST00000343246	85289	NM_033188	KRTAP4-5
A_24_P360078	9,07238	9,16801	-1,068531916	ENST00000510157	987	NM_006726	LRBA
A_33_P3415321	3,93276	4,02842	-1,068554135	N/A	338069	NR_002329	ST7-OT4
A_23_P134100	4,5825	4,67816	-1,068554135	ENST00000438272	79465	NM_024518	ULBP3
A_33_P3258349	1,95215	2,04784	-1,068576356	ENST00000504250	644145	NR_003935	LOC644145
A_23_P140328	11,8829	11,9786	-1,068583762	ENST00000556925	9147	NM_004713	NEMF
A_21_P0004315	3,56043	3,65613	-1,068583762	N/A	N/A	N/A	Inc-G3BP1-2
A_22_P00011268	3,64277	3,73849	-1,068598576	N/A	N/A	AY195961	Inc-OR51B4-3
A_33_P3397910	1,50894	1,60469	-1,068620797	N/A	N/A	N/A	Inc-RAB1A-1
A_21_P0008725	3,17682	3,27257	-1,068620797	N/A	102724253	XR_424595	LOC102724253
A_21_P0003437	3,09665	3,19241	-1,068628204	ENST00000503637	N/A	N/A	N/A
A_22_P00011635	4,59433	4,6901	-1,068635612	ENST00000523269	728264	NR_105060	MIR143HG
A_33_P3807132	1,68998	1,78582	-1,068687463	N/A	339468	XR_246343	LOC339468
A_22_P00024468	10,3016	10,3975	-1,06873191	N/A	N/A	N/A	Inc-CTNNA2-1
A_33_P3387518	1,52817	1,62414	-1,068783766	ENST00000475839	55079	NM_018008	FEZF2

A_33_P3751889	11,7904	11,8864	-1,068805991	ENST00000382034	10043	NM_001135732	TOM1
A_24_P6083	13,2911	13,3871	-1,068805991	ENST00000517886	400916	NM_213720	CHCHD10
A_21_P0014324	6,32546	6,42154	-1,06886526	N/A	N/A	N/A	N/A
A_33_P3384617	5,31677	5,41292	-1,068917123	N/A	N/A	N/A	XLOC_I2_003882
A_33_P3417936	5,48742	5,58358	-1,068924532	ENST00000495099	79885	NM_024827	HDAC11
A_33_P3307192	1,77723	1,8734	-1,068931941	N/A	N/A	N/A	N/A
A_22_P00007499	1,69742	1,79368	-1,068998627	ENST00000550874	N/A	N/A	N/A
A_33_P3268564	9,25516	9,35147	-1,069035676	ENST00000393348	8440	NM_001004722	NCK2
A_33_P3308299	1,6708	1,76713	-1,069050496	N/A	N/A	N/A	Inc-LANCL2-1
A_21_P0004450	1,47695	1,57328	-1,069050496	N/A	101926905	N/A	LOC101926905
A_24_P395317	4,98102	5,07741	-1,069094958	ENST00000377767	22894	NM_014953	DIS3
A_23_P414964	8,43802	8,53445	-1,0691246	ENST00000599145	201514	NM_173548	ZNF584
A_22_P00005886	1,67263	1,7691	-1,069154243	ENST00000445514	101927661	N/A	LOC101927661
A_23_P21800	1,46115	1,55763	-1,069161654	ENST00000492167	N/A	XM_006725443	N/A
A_23_P383915	9,19144	9,28794	-1,069176475	ENST00000260723	118663	NM_144587	BTBD16
A_33_P3306948	10,064	10,1605	-1,069176475	ENST00000538239	4040	NM_002336	LRP6
A_22_P00009527	6,25766	6,35429	-1,069272822	N/A	N/A	BG194226	Inc-MAOA-1
A_19_P00321631	4,50929	4,60596	-1,069302469	ENST00000430094	100422737	N/A	LOC100422737
A_33_P3373560	8,39393	8,49065	-1,069339529	ENST00000372739	6709	NM_001130438	SPTAN1
A_22_P00014974	1,70652	1,80326	-1,069354353	N/A	N/A	N/A	Inc-SMARCAL1-4
A_21_P0011925	4,87228	4,96903	-1,069361766	N/A	N/A	N/A	Inc-TEX261-2
A_21_P0013343	8,14622	8,243	-1,069384003	N/A	N/A	N/A	XLOC_I2_013931
A_21_P0000119	4,85432	4,95112	-1,069398827	ENST00000464028	79783	NM_001193311	SUGCT
A_22_P00005974	4,79816	4,89496	-1,069398827	ENST00000507644	N/A	N/A	N/A
A_23_P153022	12,8548	12,9516	-1,069398827	ENST00000542137	85294	NM_033184	KRTAP2-4
A_22_P00025508	1,50345	1,60031	-1,069443303	N/A	N/A	N/A	Inc-C5orf17-2
A_33_P3331366	13,2493	13,3463	-1,069547088	ENST00000316881	7706	NM_005082	TRIM25
A_22_P00022975	3,82809	3,92517	-1,069606398	ENST00000585228	N/A	N/A	N/A
A_22_P00001264	2,98325	3,08034	-1,069613812	ENST00000522947	N/A	N/A	N/A
A_23_P45108	11,1025	11,1996	-1,069621226	ENST00000357496	54870	NM_017730	QRICH1
A_33_P3222056	2,41653	2,51367	-1,069650882	N/A	N/A	N/A	Inc-RP11-148O21.2.1-1
A_21_P0010311	1,67521	1,77238	-1,069673125	N/A	100874093	N/A	BRWD1-AS1
A_21_P0003486	4,21736	4,31455	-1,069687954	N/A	N/A	N/A	Inc-PPP3CA-2

A_23_P32223	11,5386	11,6358	-1,069695369	ENST00000491487	25792	NM_012127	CIZ1
A_22_P00013572	1,65532	1,75257	-1,069732442	ENST00000561875	100506172	NR_038234	LINCO1568
A_24_P106112	9,85785	9,95518	-1,069791763	ENST00000237596	5311	NM_000297	PKD2
A_21_P0006262	1,46753	1,56492	-1,069836255	N/A	101926900	N/A	DNAJB5-AS1
A_23_P6624	13,0191	13,1165	-1,06984367	ENST00000479719	7372	NM_000373	UMPS
A_22_P00006710	8,89158	8,98904	-1,069888165	ENST00000441716	100128124	NM_001129895	HGC6.3
A_24_P920188	9,57465	9,67212	-1,069895581	ENST00000589881	7572	NM_006965	ZNF24
A_33_P3366019	1,59818	1,69567	-1,069910413	N/A	389715	NR_024481	FAM205BP
A_22_P00002533	3,04607	3,14367	-1,069991993	ENST00000582507	N/A	N/A	N/A
A_23_P400298	11,2636	11,3612	-1,069991993	ENST00000575164	64063	NM_022119	PRSS22
A_23_P26173	12,3981	12,4957	-1,069991993	ENST00000543455	23423	NM_007364	TMED3
A_23_P318604	9,67893	9,77654	-1,069999409	ENST00000528663	50626	XM_006716562	CYHR1
A_33_P3287258	4,03877	4,1364	-1,070014243	ENST00000596210	N/A	N/A	N/A
A_32_P409222	9,58757	9,68522	-1,070029076	ENST00000598519	89887	NM_033113	ZNF628
A_24_P233570	16,3121	16,4098	-1,070066161	ENST00000262193	5689	NM_002793	PSMB1
A_23_P116898	1,70269	1,80043	-1,07009583	ENST00000318602	2	NM_000014	A2M
A_23_P344281	1,65169	1,74944	-1,070103248	ENST00000597850	284307	NM_001010879	ZIK1
A_21_P0004937	5,66818	5,76605	-1,07019226	N/A	N/A	N/A	Inc-TRMT11-1
A_33_P3400653	12,2407	12,3386	-1,070214514	ENST00000267859	663	XM_005254607	BNIP2
A_24_P84880	9,52282	9,62076	-1,070244187	ENST00000438944	148709	NR_002929	LOC148709
A_33_P3291160	5,54536	5,64331	-1,070251606	N/A	N/A	N/A	N/A
A_23_P46412	5,64141	5,73937	-1,070259024	ENST00000379101	6339	NM_001130413	SCNN1D
A_33_P3418000	3,99586	4,09386	-1,070288698	ENST00000314117	768211	NM_001085399	RELL1
A_33_P3259148	9,4517	9,54974	-1,070318374	ENST00000421016	729288	NM_001145045	ZNF286B
A_21_P0007872	1,73572	1,83379	-1,07034063	N/A	N/A	N/A	Inc-SLCO1A2-4
A_21_P0007948	6,1777	6,27579	-1,070355469	N/A	N/A	N/A	Inc-AL359392.1-2
A_23_P88119	12,8877	12,9858	-1,070362888	ENST00000602786	10808	NM_006644	HSPH1
A_24_P118489	10,7688	10,8669	-1,070362888	ENST00000611636	123720	NM_001080435	WHAMM
A_24_P46577	13,5575	13,6556	-1,070362888	ENST00000484199	30834	NM_170783	ZNRD1
A_23_P14975	10,0783	10,1765	-1,070437082	ENST00000602942	84080	NM_032140	ENKD1
A_23_P137856	11,4734	11,5716	-1,070437082	ENST00000337604	4582	NM_002456	MUC1
A_23_P311232	8,33737	8,43559	-1,070451922	ENST00000263710	23332	NM_015282	CLASP1
A_33_P3238920	7,55791	7,65621	-1,070511282	ENST00000369081	22876	NM_001243195	INPP5F

A_33_P3258824	10,644	10,7425	-1,070659697	ENST00000579475	4853	NM_001200001	NOTCH2
A_33_P3261700	6,69422	6,79273	-1,070667118	ENST00000262346	81573	NM_030816	ANKRD13C
A_21_P0006230	3,74021	3,83879	-1,070719068	N/A	N/A	N/A	Inc-C9orf16-1
A_33_P3766959	11,2404	11,339	-1,070733912	ENST00000555178	55775	NM_018319	TDP1
A_22_P00014212	6,78561	6,88422	-1,070741333	N/A	101928323	NR_125400	LOC101928323
A_22_P00019657	5,12486	5,22352	-1,070778443	N/A	N/A	N/A	Inc-NFAT5-1
A_23_P110076	9,16651	9,26519	-1,070793287	ENST00000332629	348793	NM_182627	WDR53
A_23_P62807	12,1277	12,2264	-1,070808132	ENST00000366510	51097	NM_016002	SCCPDH
A_22_P00004844	2,85365	2,95235	-1,070808132	N/A	N/A	AK097267	Inc-CYGB-1
A_23_P137470	6,10418	6,20289	-1,070815554	ENST00000308942	57568	NM_020808	SIPA1L2
A_21_P0007433	3,03938	3,13812	-1,070837821	N/A	N/A	N/A	Inc-FSHB-2
A_32_P49848	7,93554	8,03428	-1,070837821	ENST00000489471	23433	NM_012249	RHOQ
A_23_P366125	6,66769	6,76645	-1,070852666	ENST00000570069	197342	AK074080	EME2
A_23_P330262	7,38366	7,48242	-1,070852666	ENST00000335312	23396	NM_012398	PIP5K1C
A_33_P3252954	3,72522	3,82401	-1,070874934	N/A	N/A	AK129677	N/A
A_23_P145089	13,5283	13,6271	-1,070882357	ENST00000371554	3326	NM_007355	HSP90AB1
A_23_P132358	9,96449	10,0633	-1,07088978	ENST00000327555	27349	NM_173467	MCAT
A_32_P41065	9,95244	10,0513	-1,070926895	ENST00000426664	23023	NM_001017395	TMCC1
A_22_P00023006	10,1647	10,2636	-1,070956588	N/A	N/A	DB050967	Inc-CHRNA6-1
A_22_P00001709	4,8834	4,98232	-1,070971434	N/A	N/A	N/A	Inc-ATG16L2-1
A_32_P169735	9,97588	10,0748	-1,070971434	ENST00000354441	123016	NM_144596	TTC8
A_33_P3312119	3,62079	3,71974	-1,070993705	ENST00000367072	100130967	NM_001302839	C6orf99
A_23_P336929	4,19019	4,28917	-1,071015976	ENST00000615911	55588	NM_017592	MED29
A_33_P3382489	3,41574	3,51475	-1,071038247	ENST00000429878	100506457	N/A	LOC100506457
A_33_P3234804	9,57919	9,67823	-1,071060519	ENST00000306193	84869	NM_032783	CBR4
A_33_P3267948	6,30837	6,40741	-1,071060519	ENST00000264088	79085	NM_024103	SLC25A23
A_23_P130466	8,91667	9,01571	-1,071060519	ENST00000621650	7554	NM_021089	ZNF8
A_33_P3305915	8,2068	8,30585	-1,071067943	ENST00000406772	26088	NM_001172688	GGA1
A_33_P3275163	6,35803	6,4571	-1,071082791	N/A	N/A	N/A	N/A
A_24_P264909	11,9399	12,039	-1,071105064	ENST00000612570	54602	NM_019080	NDFIP2
A_21_P0011141	6,73718	6,83629	-1,071112488	N/A	N/A	N/A	XLOC_I2_003705
A_24_P175059	8,62729	8,72641	-1,071119913	ENST00000360666	9474	NM_004849	ATG5
A_24_P55496	6,45923	6,55836	-1,071127337	ENST00000518199	116039	NM_053001	OSR2



A_23_P115482	12,5895	12,6887	-1,07117931	ENST00000367274	29089	NM_014176	UBE2T
A_21_P0001299	3,03185	3,13115	-1,071253561	N/A	N/A	N/A	Inc-ACOT11-1
A_21_P0007870	3,89805	3,99736	-1,071260986	ENST00000510134	10748	NR_028045	KLRAP1
A_33_P6703419	7,51902	7,61836	-1,071283263	ENST00000471797	285973	N/A	ATG9B
A_22_P00015189	1,78639	1,88576	-1,07130554	N/A	N/A	N/A	Inc-SOX13-1
A_22_P00019740	1,43053	1,52992	-1,071320391	N/A	N/A	CB960930	Inc-MUC20-4
A_23_P45851	11,7681	11,8675	-1,071327817	ENST00000370152	64645	NM_033055	HIAT1
A_22_P00010155	11,5783	11,6777	-1,071327817	ENST00000560703	26589	NM_022163	MRPL46
A_22_P00015379	11,2587	11,3581	-1,071327817	N/A	101929494	XR_424822	LOC101929494
A_33_P3239787	3,48075	3,58019	-1,071357521	ENST00000300850	9726	NM_014699	ZNF646
A_33_P3362063	3,34512	3,44458	-1,071372373	ENST00000409786	440925	NR_027433	LINC01124
A_23_P157875	3,62243	3,72189	-1,071372373	ENST00000371806	2219	NM_002003	FCN1
A_23_P355536	10,8679	10,9674	-1,071402079	ENST00000408019	159195	NM_152586	USP54
A_33_P3292679	12,3641	12,4636	-1,071402079	ENST00000556162	58533	NM_021249	SNX6
A_22_P00000510	2,26534	2,36485	-1,071409505	N/A	N/A	AF116706	Inc-AC107021.1-1
A_33_P3291394	11,4098	11,5094	-1,071476345	ENST00000616939	11321	NM_007266	GPN1
A_21_P0000618	4,08525	4,18485	-1,071476345	N/A	440952	NR_033965	EIF1B-AS1
A_21_P0014836	1,65195	1,75162	-1,071528335	N/A	N/A	N/A	N/A
A_33_P3251984	4,54976	4,64945	-1,071543189	ENST00000309099	116535	NM_001098515	MRGPRF
A_33_P3398005	5,68523	5,78497	-1,071580327	N/A	N/A	N/A	N/A
A_22_P00016860	4,52524	4,625	-1,071595182	N/A	N/A	BC020903	Inc-TRPV1-1
A_33_P3265945	7,94466	8,04442	-1,071595182	N/A	N/A	AK129671	N/A
A_23_P65466	8,07195	8,17174	-1,071617466	ENST00000622293	84932	NM_032846	RAB2B
A_24_P380330	8,62054	8,72036	-1,071639749	ENST00000239231	79646	NM_024594	PANK3
A_23_P254181	3,2486	3,34849	-1,071691747	N/A	79015	NR_034104	LINC01260
A_21_P0011392	5,74074	5,84064	-1,071699175	N/A	646396	N/A	REREP3
A_33_P3308105	12,4005	12,5004	-1,071699175	ENST00000260118	8836	NM_003878	GGH
A_21_P0010859	6,67473	6,7747	-1,071751176	ENST00000414939	N/A	XR_428678	N/A
A_21_P0005728	1,69693	1,7969	-1,071751176	ENST00000518706	102724874	N/A	LOC102724874
A_23_P69521	15,18	15,28	-1,071773463	ENST00000237654	10983	NM_006835	CCNI
A_32_P148275	1,65601	1,75606	-1,071810608	ENST00000551346	121599	NM_152323	SPIC
A_33_P3367293	4,14081	4,2409	-1,071840325	N/A	644314	NR_003669	MT1IP
A_22_P00016661	7,01907	7,1192	-1,071870043	N/A	101928200	NR_120541	MRGPRF-AS1

A_23_P5342	1,69271	1,79291	-1,071922052	ENST00000389484	53353	NM_018557	LRP1B
A_33_P3309859	7,24361	7,3439	-1,071988924	N/A	N/A	N/A	Inc-FAM43A-2
A_21_P0012205	4,08031	4,18064	-1,072018647	N/A	N/A	N/A	XLOC_I2_009219
A_22_P00010983	1,50803	1,60837	-1,072026077	N/A	N/A	N/A	Inc-NRN1-1
A_33_P3324552	5,28818	5,38854	-1,072040939	N/A	N/A	N/A	N/A
A_23_P29851	9,91794	10,0183	-1,072040939	ENST00000515119	4043	NM_002337	LRPAP1
A_23_P154875	12,8848	12,9852	-1,072070662	ENST00000330333	25825	NM_012105	BACE2
A_21_P0004879	1,68303	1,7835	-1,072122681	N/A	N/A	N/A	Inc-DAAM2-1
A_33_P3253304	2,85035	2,95082	-1,072122681	N/A	N/A	N/A	N/A
A_22_P00002427	1,38544	1,48594	-1,072144975	N/A	N/A	N/A	Inc-C14orf23-6
A_24_P548866	4,97759	5,07812	-1,07216727	N/A	25994	NM_001099668	HIGD1A
A_22_P00006772	5,51446	5,61504	-1,072204429	N/A	N/A	AL713703	Inc-FUS-1
A_23_P256724	4,66994	4,77052	-1,072204429	ENST00000517558	8794	NM_003841	TNFRSF10C
A_22_P00024247	1,43435	1,53504	-1,072286184	N/A	N/A	N/A	Inc-ZNF672-1
A_23_P117778	9,45797	9,55875	-1,072353079	ENST00000564488	84993	NM_032907	UBL7
A_23_P322116	4,66467	4,76545	-1,072353079	ENST00000373235	339488	NM_178548	TFAP2E
A_22_P00013445	5,1564	5,25721	-1,072375378	ENST00000561476	N/A	BC033399	N/A
A_33_P3243248	4,99883	5,09965	-1,072382811	ENST00000469991	57169	BU664634	ZNFX1
A_21_P0003216	6,7288	6,82962	-1,072382811	N/A	101927440	XR_249342	LOC101927440
A_22_P00006966	1,70655	1,8074	-1,072405111	N/A	N/A	N/A	Inc-GDAP1-1
A_24_P273245	9,13486	9,23573	-1,072419978	ENST00000476047	N/A	N/A	N/A
A_21_P0005693	5,29927	5,40023	-1,072486881	ENST00000521660	101929217	NR_105004	LOC101929217
A_21_P0004270	1,65726	1,75831	-1,072553788	N/A	N/A	N/A	Inc-ATG10-1
A_33_P3391521	2,2906	2,39166	-1,072561222	ENST00000366589	56605	N/A	ERO1LB
A_33_P3305855	5,46952	5,57062	-1,072590961	ENST00000623174	N/A	XR_245616	N/A
A_33_P3636080	8,61993	8,72103	-1,072590961	ENST00000556740	27030	NM_001040108	MLH3
A_33_P3394347	6,46634	6,56745	-1,072598395	N/A	116933	NR_024066	CLRN1-AS1
A_22_P00002988	2,88225	2,98344	-1,072657874	ENST00000566733	N/A	BX647262	N/A
A_23_P347198	10,6808	10,782	-1,072665309	ENST00000465379	6670	NM_003111	SP3
A_23_P67932	3,18523	3,28644	-1,072672745	ENST00000295683	3577	NM_000634	CXCR1
A_21_P0010256	7,0383	7,13955	-1,072702486	N/A	N/A	N/A	Inc-PKNOX1-2
A_33_P3264444	7,77281	7,87409	-1,072724792	ENST00000482292	N/A	N/A	N/A
A_21_P0013082	1,65255	1,75383	-1,072724792	N/A	N/A	N/A	XLOC_I2_013001

A_23_P29985	9,64736	9,74866	-1,072739664	N/A	152992	AK022953	TRMT44
A_21_P0009116	6,76949	6,8708	-1,072747099	N/A	N/A	N/A	Inc-BANP-1
A_21_P0008250	1,68408	1,78539	-1,072747099	N/A	N/A	N/A	Inc-EPST11-3
A_22_P00019012	1,38798	1,4893	-1,072754535	N/A	N/A	AA777538	Inc-CDR2-1
A_33_P3248424	7,57235	7,67369	-1,072769407	N/A	90268	NM_138348	OTULIN
A_21_P0008921	2,35151	2,45288	-1,072791714	N/A	101928829	XR_248192	LOC101928829
A_23_P128930	12,6149	12,7163	-1,072814023	ENST00000606149	5706	NM_002806	PSMC6
A_23_P48628	7,5502	7,65163	-1,072836332	ENST00000394715	7597	NM_006977	ZBTB25
A_33_P3234667	9,87638	9,97786	-1,072873514	ENST00000620510	7586	NM_001287054	ZKSCAN1
A_23_P121413	2,69647	2,798	-1,072910697	ENST00000319153	165721	NM_153330	DNAJB8
A_32_P223464	3,43374	3,53533	-1,07295532	ENST00000342506	401027	NM_213608	C2orf66
A_23_P266	8,82385	8,92546	-1,072970194	ENST00000412108	5301	NR_023916	PIN1P1
A_33_P3349702	4,74198	4,84359	-1,072970194	ENST00000443042	400927	NR_002821	LOC400927
A_22_P00024838	4,05231	4,15398	-1,073014818	ENST00000560391	N/A	N/A	N/A
A_33_P3372666	11,1105	11,2122	-1,073037131	ENST00000426681	5154	NM_033023	PDGFA
A_22_P00016721	5,59059	5,69231	-1,073052007	N/A	N/A	N/A	Inc-TRAPPC6B-1
A_23_P94819	4,85128	4,95306	-1,073096635	ENST00000323434	9501	NM_006987	RPH3AL
A_24_P25326	6,92146	7,02326	-1,073111511	ENST00000357182	9204	NM_007167	ZMYM6
A_33_P3277075	5,97219	6,074	-1,07311895	ENST00000622697	2562	NM_000814	GABRB3
A_22_P00001196	6,03631	6,13814	-1,073133826	N/A	101409258	NR_102429	OSGEPL1-AS1
A_33_P3378644	6,72294	6,8248	-1,073156142	ENST00000554937	1911	NM_004426	PHC1
A_33_P3358855	3,35528	3,45716	-1,073171019	N/A	N/A	N/A	N/A
A_24_P220897	4,45718	4,55908	-1,073185896	ENST00000450845	202051	NM_194296	SPATA24
A_23_P23074	12,2775	12,3794	-1,073185896	ENST00000485662	10561	NM_006417	IFI44
A_33_P3211734	10,8884	10,9903	-1,073185896	ENST00000369524	80143	NM_001102396	SIKE1
A_33_P3236322	1,66526	1,76717	-1,073193335	ENST00000371169	N/A	XM_003846629	N/A
A_23_P375281	6,82572	6,92763	-1,073193335	ENST00000572705	7442	NM_080706	TRPV1
A_33_P3227174	2,44539	2,5474	-1,073267726	N/A	N/A	N/A	N/A
A_33_P3313846	4,40926	4,51133	-1,073312363	ENST00000334554	29801	NM_013373	ZDHC8
A_21_P0008709	1,65056	1,75265	-1,073327242	N/A	102725478	XR_424583	LOC102725478
A_23_P137697	3,81856	3,92066	-1,073334682	ENST00000466167	6403	NM_003005	SELP
A_23_P126089	9,27966	9,38179	-1,073357001	N/A	6702	NR_003062	SPRR2C
A_19_P00809119	10,3314	10,4336	-1,073409082	ENST00000444265	401237	NR_015410	CASC15

A_22_P00000444	2,80766	2,90988	-1,073423963	ENST00000446029	N/A	N/A	N/A
A_21_P0013312	3,44056	3,54284	-1,073468606	N/A	N/A	N/A	XLOC_I2_013853
A_23_P139912	16,0003	16,1026	-1,073483488	ENST00000548176	3489	NM_002178	IGFBP6
A_23_P253301	10,2185	10,3208	-1,073483488	ENST00000239940	5217	NM_053024	PFN2
A_22_P00019757	7,30915	7,41148	-1,07350581	ENST00000415586	N/A	BI260832	N/A
A_33_P3851513	8,65086	8,75323	-1,073535575	ENST00000442461	132660	NM_194282	LIN54
A_33_P3282619	6,24981	6,35224	-1,073580223	N/A	N/A	AK130019	Inc-RP11-305N23.1.1-1
A_21_P0014926	1,71689	1,81937	-1,073617431	N/A	100289308	XR_133259	LOC100289308
A_32_P42925	16,0306	16,1331	-1,073632315	ENST00000581193	103910	NM_033546	MYL12B
A_21_P0012564	17,2921	17,3946	-1,073632315	N/A	N/A	N/A	XLOC_I2_010508
A_23_P161022	11,1412	11,2437	-1,073632315	ENST00000478558	23557	NM_012437	SNAPIN
A_33_P6455786	11,5839	11,6864	-1,073632315	ENST00000403729	118429	NM_058172	ANTXR2
A_22_P00006209	8,09778	8,2003	-1,073647198	N/A	100507297	NR_047573	TMEM44-AS1
A_21_P0010170	2,72075	2,82327	-1,073647198	ENST00000424569	N/A	N/A	N/A
A_23_P141656	10,8171	10,9197	-1,073706736	ENST00000580055	1819	NM_001388	DRG2
A_23_P419602	11,5572	11,6598	-1,073706736	ENST00000424354	6721	NM_004599	SREBF2
A_19_P00320362	4,62995	4,73256	-1,073714178	ENST00000566912	729177	NR_034143	NBAT1
A_21_P0003157	1,44366	1,54628	-1,07372162	N/A	N/A	N/A	Inc-CD47-1
A_33_P3219256	8,39219	8,49483	-1,073736506	ENST00000372037	657	NM_004329	BMPR1A
A_24_P66105	3,37251	3,4752	-1,073773719	ENST00000616266	79917	NM_024859	MAGIX
A_24_P150931	3,51828	3,62097	-1,073773719	ENST00000328741	11248	NM_007225	NXPH3
A_33_P3302075	12,8496	12,9523	-1,073781162	ENST00000450233	54576	NM_019076	UGT1A8
A_19_P00808453	15,4705	15,5732	-1,073781162	ENST00000322347	9377	NM_004255	COX5A
A_24_P204043	4,96542	5,06815	-1,073803491	ENST00000605935	24149	NM_014345	ZNF318
A_23_P99579	8,47595	8,57871	-1,07382582	ENST00000306954	84520	NM_032490	C14orf142
A_24_P15765	14,2532	14,356	-1,073855593	ENST00000441482	645884	N/A	RPS7P5
A_33_P3254216	5,47454	5,57738	-1,073885367	ENST00000395161	5602	NM_138980	MAPK10
A_33_P3363938	6,79738	6,90025	-1,073907698	ENST00000534372	4676	AK316548	NAP1L4
A_33_P3283616	1,6001	1,70297	-1,073907698	ENST00000360027	4068	NM_002351	SH2D1A
A_22_P00004935	1,77485	1,87774	-1,073922586	N/A	N/A	N/A	Inc-DBX1-5
A_21_P0004457	1,43735	1,54024	-1,073922586	N/A	N/A	N/A	Inc-CSNK1A1-1
A_23_P216476	11,6788	11,7817	-1,07393003	ENST00000307750	9925	NM_014872	ZBTB5
A_21_P0008099	4,5514	4,65431	-1,073937474	ENST00000325089	26050	N/A	SLITRK5

A_33_P3235690	9,36798	9,47092	-1,073959806	ENST00000355725	57187	NM_001081550	THOC2
A_21_P0008252	7,1284	7,23136	-1,073974694	N/A	N/A	N/A	Inc-TSC22D1-1
A_21_P0003736	1,66571	1,76871	-1,074004472	N/A	N/A	N/A	Inc-ARAP2-7
A_33_P3216869	5,84503	5,94805	-1,074019361	ENST00000406419	1381	NM_004378	CRABP1
A_32_P14762	3,73598	3,83903	-1,074041694	N/A	441161	NM_001080507	OOEP
A_21_P0014132	8,10946	8,21253	-1,074056584	N/A	N/A	N/A	N/A
A_21_P0011048	2,16787	2,27102	-1,074116144	N/A	N/A	N/A	XLOC_I2_003039
A_23_P144165	9,12204	9,2252	-1,074123589	ENST00000495008	9666	NM_014648	DZIP3
A_33_P3217958	5,18418	5,2874	-1,074168262	ENST00000409418	9873	NM_014824	FCHSD2
A_21_P0000050	1,66837	1,7716	-1,074175707	N/A	27185	NM_001164549	DISC1
A_33_P3216008	8,69036	8,79362	-1,074198044	ENST00000298260	221150	NM_145061	SKA3
A_22_P00008365	4,96876	5,07207	-1,074235274	ENST00000553051	3714	NM_145159	JAG2
A_33_P3233749	1,77719	1,8805	-1,074235274	N/A	100128751	AY194294	LOC100128751
A_23_P14389	9,30428	9,40762	-1,074257612	ENST00000397341	22985	NM_014977	ACIN1
A_22_P00015588	7,00914	7,1125	-1,074272505	N/A	102724791	XR_426874	LOC102724791
A_21_P0014644	1,42593	1,52929	-1,074272505	ENST00000522486	N/A	N/A	N/A
A_33_P3676746	9,56174	9,66515	-1,074309737	ENST00000549293	56252	NM_019589	YLPM1
A_23_P376488	4,48339	4,58683	-1,074332077	ENST00000376122	7124	NM_000594	TNF
A_23_P106391	8,11796	8,22142	-1,07434697	ENST00000249861	56906	NM_020147	THAP10
A_21_P0009444	3,27366	3,37716	-1,074376758	N/A	N/A	N/A	Inc-AP001496.1-2
A_23_P110791	3,02392	3,12743	-1,074384205	ENST00000286301	1436	NM_005211	CSF1R
A_22_P00009701	8,41677	8,52032	-1,074413993	ENST00000585258	100131655	NR_040024	LOC100131655
A_23_P147665	3,25466	3,35826	-1,07445123	ENST00000329293	283298	NM_198474	OLFML1
A_21_P0010522	1,93819	2,04191	-1,074540604	ENST00000451482	101928303	NR_110698	LOC101928303
A_33_P3288859	9,43344	9,53722	-1,074585294	ENST00000314567	150383	NM_207327	CDPF1
A_33_P3290714	1,66507	1,76887	-1,074600191	ENST00000406696	90161	NM_001077188	HS6ST2
A_23_P31755	1,66941	1,77323	-1,074615089	ENST00000276571	1392	NM_000756	CRH
A_33_P3409518	3,114	3,21792	-1,074689578	N/A	643224	NR_027156	TUBBP5
A_22_P00011390	2,70066	2,80462	-1,074719375	N/A	N/A	N/A	Inc-PABPC4-1
A_23_P211141	2,80923	2,91321	-1,074734274	ENST00000617870	1826	NM_001389	DSCAM
A_23_P315122	7,74626	7,85026	-1,074749173	ENST00000491023	2016	NM_004097	EMX1
A_21_P0014185	4,44286	4,54686	-1,074749173	N/A	N/A	AF090910	N/A
A_33_P3324495	9,85483	9,95883	-1,074749173	ENST00000330701	286128	NM_173832	ZFP41

A_24_P63799	4,23668	4,34087	-1,074890724	ENST00000369046	55278	NM_018292	QRSL1
A_33_P3557274	8,2401	8,34429	-1,074890724	N/A	100996924	XM_003846648	LOC100996924
A_33_P3310009	1,76307	1,86727	-1,074898175	ENST00000451261	347442	NM_001136533	DCAF8L2
A_33_P3221898	3,32275	3,42699	-1,074927978	ENST00000429445	339240	NR_001443	KRT17P5
A_33_P3273919	4,70419	4,80852	-1,074995038	N/A	285498	AK124578	RNF212
A_23_P161156	8,76512	8,86948	-1,075017392	ENST00000538351	220929	NM_182755	ZNF438
A_33_P3339361	7,82544	7,92983	-1,075039746	N/A	9824	NM_199357	ARHGAP11A
A_23_P150876	12,5939	12,6983	-1,075047198	ENST00000267202	79720	NM_024667	VPS37B
A_22_P00000856	9,12608	9,23049	-1,07505465	N/A	N/A	N/A	Inc-AGPAT2-2
A_23_P70307	1,66201	1,76644	-1,075069553	ENST00000535039	64094	NM_022138	SMOC2
A_23_P35591	12,4524	12,5569	-1,075121717	ENST00000370885	51013	NM_016046	EXOSC1
A_33_P3220395	1,44815	1,55268	-1,075144074	N/A	N/A	N/A	N/A
A_19_P00320028	9,68006	9,78462	-1,075166431	N/A	100216546	NR_039981	LINC01004
A_23_P26687	10,3033	10,4079	-1,075196241	ENST00000333050	25880	NM_015421	TMEM186
A_33_P3329740	12,4924	12,5971	-1,075270771	N/A	N/A	N/A	N/A
A_22_P00008020	7,5609	7,66561	-1,075278224	N/A	101929089	NR_120576	LOC101929089
A_22_P00008902	1,70551	1,81022	-1,075278224	ENST00000417315	N/A	N/A	N/A
A_33_P3360456	1,76128	1,86602	-1,075300584	ENST00000451275	7710	NM_001085384	ZNF154
A_22_P00025009	4,12848	4,23322	-1,075300584	ENST00000458693	N/A	N/A	N/A
A_33_P3391211	9,84272	9,94748	-1,075315491	ENST00000329286	201475	NM_001025300	RAB12
A_23_P200598	11,1566	11,2614	-1,075345306	ENST00000264198	79594	NM_024544	MUL1
A_33_P3224971	11,8514	11,9562	-1,075345306	N/A	N/A	N/A	N/A
A_21_P0007156	1,46618	1,57099	-1,075352759	ENST00000428160	N/A	N/A	N/A
A_23_P32029	9,44123	9,54609	-1,075390029	ENST00000375259	11046	NM_007001	SLC35D2
A_21_P0013628	4,15202	4,25689	-1,075397483	N/A	N/A	N/A	XLOC_I2_015160
A_33_P3248231	6,87418	6,97911	-1,075442208	N/A	283028	XR_171099	LOC283028
A_21_P0009083	1,65398	1,75893	-1,075457117	N/A	N/A	N/A	Inc-AC092327.1-2
A_33_P3636257	5,40419	5,50914	-1,075457117	ENST00000436290	642345	NR_033829	MIR4500HG
A_33_P3380071	6,82828	6,93325	-1,075472026	ENST00000435950	100130673	NR_038454	LOC100130673
A_33_P3298139	3,18036	3,28542	-1,07553912	ENST00000400841	64109	NM_022148	CRLF2
A_23_P397910	10,9874	11,0925	-1,075568941	ENST00000270279	23624	NM_012116	CBLC
A_23_P127460	11,593	11,6981	-1,075568941	ENST00000531339	6494	NM_153253	SIPA1
A_24_P835500	12,506	12,6112	-1,075643496	ENST00000381440	162073	NM_001034841	ITPRIPL2

A_33_P3395442	1,64144	1,74664	-1,075643496	N/A	N/A	AK056500	Inc-VAMP1-1
A_32_P192545	8,30339	8,40859	-1,075643496	ENST00000622517	158931	NM_001006938	TCEAL6
A_23_P23639	7,05888	7,16408	-1,075643496	ENST00000530971	255231	NM_153259	MCOLN2
A_33_P3291445	2,21926	2,3245	-1,07567332	ENST00000359130	10026	BC026186	PIGK
A_22_P00011627	5,9514	6,05669	-1,0757106	ENST00000422374	N/A	AK127270	N/A
A_24_P22079	10,6411	10,7464	-1,075718056	ENST00000379561	2308	NM_002015	FOXO1
A_33_P3320152	10,6472	10,7525	-1,075718056	ENST00000367208	6635	NM_003094	SNRPE
A_22_P00014114	2,5101	2,61541	-1,075725513	ENST00000551229	N/A	BU852676	N/A
A_19_P00321143	7,10455	7,20988	-1,075740426	N/A	100294145	N/A	LOC100294145
A_23_P22915	8,8438	8,94917	-1,075770252	ENST00000357650	148867	NM_133496	SLC30A7
A_23_P108376	8,60969	8,71507	-1,075777709	ENST00000467668	63892	NM_022065	THADA
A_23_P86660	9,76196	9,86736	-1,075792622	ENST00000411529	220988	NM_194247	HNRNPA3
A_21_P0008172	1,69248	1,79789	-1,075800079	N/A	N/A	N/A	Inc-DIAPH3-3
A_21_P0005678	2,01056	2,11597	-1,075800079	N/A	N/A	N/A	Inc-WRN-2
A_23_P60599	15,4097	15,5152	-1,075867193	ENST00000373409	54578	NM_001072	UGT1A6
A_33_P3390739	10,6126	10,7181	-1,075867193	ENST00000615506	6767	NM_003932	ST13
A_33_P3293645	1,66115	1,76666	-1,07587465	N/A	N/A	N/A	N/A
A_21_P0009392	6,46874	6,57425	-1,07587465	N/A	N/A	N/A	Inc-RGS9-1
A_33_P3312975	6,2735	6,37915	-1,075979059	ENST00000409078	23332	NM_015282	CLASP1
A_32_P227317	6,47481	6,58046	-1,075979059	ENST00000437401	84771	NR_024004	DDX11L2
A_21_P0014531	2,51456	2,62032	-1,076061101	N/A	N/A	N/A	N/A
A_22_P00006034	6,5443	6,65007	-1,07606856	ENST00000552063	N/A	XR_245975	N/A
A_19_P00321575	2,16586	2,27164	-1,076076019	ENST00000418282	60467	NR_026783	BPESC1
A_33_P3279009	11,835	11,9408	-1,076090937	ENST00000617742	3166	NM_018942	HMX1
A_33_P3399248	11,2584	11,3642	-1,076090937	ENST00000239878	51569	NM_001286706	UFM1
A_23_P61531	11,6089	11,7147	-1,076090937	ENST00000307363	2720	NM_000404	GLB1
A_22_P00021246	4,18082	4,28663	-1,076098395	N/A	N/A	N/A	Inc-DPP4-1
A_24_P23522	6,79273	6,8986	-1,07614315	ENST00000313516	168451	NM_182529	THAP5
A_24_P288323	7,15848	7,26451	-1,076262505	ENST00000597145	91039	NM_139159	DPP9
A_32_P13756	1,80836	1,91439	-1,076262505	ENST00000398780	440956	NM_001143833	IQCF6
A_33_P3415859	12,3202	12,4263	-1,076314727	N/A	197358	AK090476	NLRC3
A_33_P3367994	9,62306	9,72921	-1,07635203	ENST00000372977	129685	NM_138572	TAF8
A_24_P341344	3,05405	3,16023	-1,076374412	N/A	641384	NR_103558	TMEM75

A_23_P251095	13,3718	13,478	-1,076389334	ENST00000478795	5160	NM_000284	PDHA1
A_33_P3210810	5,81775	5,92395	-1,076389334	N/A	84719	NR_046213	LINC00260
A_23_P165676	6,19307	6,29927	-1,076389334	ENST00000491265	N/A	XM_005263792	N/A
A_23_P18887	8,79153	8,89774	-1,076396795	ENST00000512218	64087	NM_022132	MCCC2
A_23_P43049	11,8922	11,9985	-1,076463946	ENST00000522141	10671	NM_006571	DCTN6
A_33_P3861634	1,79803	1,90436	-1,076486331	ENST00000420866	285084	NR_038897	LINC01305
A_22_P00014120	5,74831	5,85465	-1,076493792	N/A	N/A	BC036224	Inc-SCAP-1
A_21_P0009523	1,77603	1,88239	-1,076508716	N/A	N/A	N/A	Inc-PPP4R1-3
A_23_P170857	11,6216	11,728	-1,076538563	ENST00000447382	3556	NM_002182	IL1RAP
A_33_P3383431	10,8532	10,9596	-1,076538563	ENST00000397075	10901	NM_001282989	DHRS4
A_33_P3268954	6,48288	6,58929	-1,076546025	N/A	345630	NR_024356	FBLL1
A_19_P00319625	1,68014	1,78661	-1,076590799	N/A	N/A	N/A	Inc-SHPRH-2
A_23_P368711	3,89574	4,00222	-1,076598261	ENST00000245621	79168	NM_024318	LILRA6
A_24_P366787	3,96412	4,07065	-1,076635574	N/A	440556	NR_024371	LINC00982
A_24_P402415	1,63574	1,7423	-1,076657962	ENST00000367019	255928	NM_153262	SYT14
A_22_P00007826	5,2366	5,34318	-1,076672888	N/A	N/A	N/A	Inc-HPD-1
A_24_P205589	11,1139	11,2205	-1,076687814	ENST00000481175	11332	NM_007274	ACOT7
A_24_P658427	9,31311	9,41972	-1,076695277	ENST00000380959	4781	NM_005596	NFIB
A_33_P3354783	3,16248	3,26915	-1,076740056	N/A	N/A	N/A	N/A
A_33_P3350744	1,65243	1,75912	-1,076754983	N/A	N/A	N/A	N/A
A_22_P00012729	3,24984	3,35653	-1,076754983	N/A	N/A	N/A	Inc-RAB4A-1
A_23_P75402	13,2825	13,3892	-1,076762446	ENST00000525378	4722	NM_004551	NDUFS3
A_23_P19455	9,88964	9,99635	-1,07676991	ENST00000376406	9656	NM_014641	MDC1
A_24_P198844	9,82916	9,93597	-1,076844549	ENST00000571822	9526	NM_004870	MPDU1
A_23_P214144	5,32256	5,42938	-1,076852013	ENST00000327673	1300	NM_000493	COL10A1
A_21_P0013341	8,28116	8,38801	-1,076874406	ENST00000464543	N/A	N/A	N/A
A_23_P308954	6,1916	6,29848	-1,076896799	ENST00000457056	80823	NM_030639	BHLHB9
A_21_P0007062	1,69554	1,80245	-1,076919192	ENST00000432535	100507008	NR_108046	LINC00844
A_23_P60227	5,22732	5,3343	-1,076971446	ENST00000335119	881	NM_005893	CCIN
A_33_P3407863	3,6442	3,75129	-1,077053564	N/A	N/A	XR_133565	Inc-GABRE-1
A_22_P00015497	4,20575	4,31285	-1,07706103	N/A	100506776	NR_040085	TRG-AS1
A_23_P121374	5,05622	5,1634	-1,077120756	ENST00000357599	54437	NM_001031702	SEMA5B
A_19_P00800549	12,8121	12,9193	-1,077135689	ENST00000368279	11243	NM_001199654	PMF1



A_24_P11131	11,5644	11,6716	-1,077135689	ENST00000447431	10250	NM_005839	SRRM1
A_23_P47709	5,107	5,21425	-1,07717302	ENST00000298223	2350	NM_000803	FOLR2
A_21_P0012081	6,99503	7,10229	-1,077180486	ENST00000439494	N/A	N/A	N/A
A_24_P11506	11,0253	11,1326	-1,077210353	ENST00000460143	8942	NM_001032998	KYNU
A_23_P209200	11,0329	11,1402	-1,077210353	ENST00000574121	898	NM_001238	CCNE1
A_22_P00004648	1,67763	1,78496	-1,077232753	ENST00000511661	102467147	NR_104664	LOC102467147
A_22_P00007981	4,9682	5,07556	-1,077255153	ENST00000427113	N/A	N/A	N/A
A_21_P0001831	2,93379	3,04118	-1,077277554	ENST00000426539	N/A	N/A	N/A
A_33_P3216292	15,0521	15,1595	-1,077285022	ENST00000375066	55357	NM_001267571	TBC1D2
A_24_P291426	8,97827	9,0857	-1,077307423	ENST00000258428	51455	NM_016316	REV1
A_33_P3327921	4,27465	4,38212	-1,077337293	N/A	23433	NM_012249	RHOQ
A_21_P0013916	1,64246	1,74995	-1,077352228	N/A	342850	BX648696	ANKRD62
A_23_P60579	11,5543	11,6618	-1,077359696	ENST00000566556	4351	NM_002435	MPI
A_33_P7325293	16,0558	16,1633	-1,077359696	ENST00000240159	81790	NM_001160223	RNF170
A_22_P00020274	2,27196	2,37947	-1,077367164	ENST00000503677	102723920	N/A	LOC102723920
A_32_P206899	10,3179	10,4255	-1,077434375	ENST00000389173	146754	NM_020877	DNAH2
A_33_P3248794	12,6565	12,7641	-1,077434375	ENST00000342556	4665	NM_005967	NAB2
A_23_P170088	5,95689	6,06455	-1,077479186	N/A	54932	NR_104599	EXD3
A_23_P42498	13,4769	13,5847	-1,07758375	ENST00000368979	8724	NM_003795	SNX3
A_23_P157513	6,93795	7,04575	-1,07758375	ENST00000311923	4342	NM_005372	MOS
A_33_P3221443	4,51587	4,62369	-1,077598688	ENST00000357002	9534	NM_001278677	ZNF254
A_23_P431388	10,9346	11,0425	-1,077658445	ENST00000473361	90853	NM_144569	SPOCD1
A_22_P00011826	6,95761	7,06552	-1,077665915	N/A	N/A	N/A	Inc-PHF2-1
A_22_P00017021	3,28928	3,39724	-1,077703264	N/A	N/A	N/A	Inc-TTC5-1
A_21_P0003570	1,66779	1,77577	-1,077718205	N/A	102723525	XR_425708	LOC102723525
A_23_P250982	10,4676	10,5756	-1,077733145	ENST00000173527	51015	NM_016048	ISOC1
A_23_P80718	1,55234	1,6604	-1,077777968	ENST00000478300	132204	NM_144642	SYNPR
A_33_P3377304	7,02625	7,13432	-1,077785438	ENST00000346198	6934	NM_001198531	TCF7L2
A_23_P128543	12,8294	12,9375	-1,07780785	ENST00000258648	29079	NM_014166	MED4
A_24_P386771	11,8056	11,9137	-1,07780785	ENST00000550261	5501	NM_002710	PPP1CC
A_33_P3366039	12,9077	13,0158	-1,07780785	ENST00000451924	6159	NM_000992	RPL29
A_22_P00013949	2,25172	2,35985	-1,077830263	ENST00000419628	101928233	XR_244321	LOC101928233
A_33_P3674851	10,1669	10,2751	-1,077882561	ENST00000611132	51028	NM_001282169	VPS36

A_21_P0012465	1,64982	1,75803	-1,077890032	ENST00000471222	101928022	N/A	LINC01214
A_21_P0006126	1,54679	1,65504	-1,077919918	N/A	N/A	N/A	Inc-TYRP1-2
A_22_P00024564	6,22482	6,33307	-1,077919918	N/A	102724094	NR_120519	LOC102724094
A_23_P367628	10,435	10,5433	-1,077957277	ENST00000333957	9847	NM_014802	C2CD5
A_33_P3237819	1,6155	1,72387	-1,078009581	N/A	N/A	N/A	N/A
A_21_P0014572	3,22501	3,3334	-1,078024525	N/A	N/A	N/A	Inc-CACNB3-1
A_33_P3309110	6,03741	6,14581	-1,078031998	N/A	100506713	NR_040089	ALOX12-AS1
A_22_P00006605	2,35586	2,46428	-1,078046942	ENST00000553425	N/A	N/A	N/A
A_22_P00023942	1,64448	1,75294	-1,078076833	ENST00000431759	440584	NR_033967	SLC2A1-AS1
A_23_P376036	2,37123	2,4797	-1,078084305	ENST00000558881	161829	NM_152596	EXD1
A_21_P0000935	5,80069	5,90921	-1,078121669	ENST00000427439	N/A	N/A	N/A
A_22_P00000490	6,72046	6,829	-1,078136616	ENST00000567853	N/A	AF086565	N/A
A_24_P301454	4,81892	4,92747	-1,078144089	ENST00000356906	10230	NR_003108	NBR2
A_22_P00000738	4,62793	4,7365	-1,078159035	N/A	N/A	N/A	Inc-ADAR-1
A_19_P00322219	2,3561	2,4647	-1,078181455	ENST00000422403	440823	NR_033321	MIAT
A_33_P3262133	4,19428	4,30298	-1,078256191	ENST00000312756	85476	AK022724	GFM1
A_21_P0008097	3,17987	3,28857	-1,078256191	N/A	N/A	N/A	Inc-NDFIP2-12
A_24_P706340	2,14045	2,24922	-1,07830851	ENST00000375915	728215	NM_001080396	FAM155A
A_22_P00015744	13,7755	13,8843	-1,078330933	N/A	N/A	N/A	Inc-TAF12-2
A_33_P3303748	5,09674	5,20556	-1,078345882	ENST00000563377	55066	NM_017990	PDPR
A_24_P780052	15,9619	16,0708	-1,07840568	ENST00000453374	388524	NR_003662	RPSAP58
A_33_P3240518	13,8834	13,9923	-1,07840568	ENST00000378853	54998	NM_001127230	AURKAIP1
A_24_P281643	2,77366	2,8826	-1,07843558	ENST00000566803	N/A	N/A	N/A
A_21_P0001969	4,92726	5,03621	-1,078443055	ENST00000451711	N/A	N/A	N/A
A_23_P64873	4,21583	4,32482	-1,078472956	ENST00000552962	1634	NM_001920	DCN
A_24_P289188	14,806	14,915	-1,078480432	ENST00000496414	N/A	N/A	N/A
A_23_P91619	17,2795	17,3885	-1,078480432	ENST00000613839	4282	NM_002415	MIF
A_21_P0002173	1,65713	1,76616	-1,078502858	N/A	N/A	N/A	Inc-TRIB2-3
A_33_P3339231	9,54412	9,65315	-1,078502858	ENST00000473989	254048	NM_173569	UBN2
A_21_P0012416	1,91275	2,02179	-1,078510334	ENST00000482787	100996490	N/A	LINC01206
A_32_P416583	6,0798	6,18886	-1,078525285	ENST00000541020	84166	NM_032206	NLRC5
A_33_P3248384	9,56736	9,67645	-1,078547713	N/A	N/A	N/A	XLOC_014422
A_33_P3365878	12,139	12,2481	-1,078555189	ENST00000372827	656	NM_001720	BMP8B

A_33_P3304268	2,4738	2,58292	-1,078570141	N/A	N/A	AK096549	Inc-PSMG4-2
A_22_P00001004	5,709	5,81815	-1,078592569	ENST00000452795	N/A	N/A	N/A
A_21_P0010620	1,45351	1,56267	-1,078600046	N/A	N/A	N/A	XLOC_I2_000942
A_24_P53051	7,78872	7,89796	-1,078659858	ENST00000559782	114294	NM_171846	LACTB
A_33_P3359084	5,32728	5,43653	-1,078667334	ENST00000339381	83756	AK122959	TAS1R3
A_21_P0006164	1,4252	1,53448	-1,078689765	N/A	N/A	N/A	Inc-NTRK2-1
A_23_P216966	10,1524	10,2617	-1,078704719	ENST00000223423	5742	NM_000962	PTGS1
A_22_P00024021	6,4765	6,58591	-1,078786969	N/A	N/A	N/A	Inc-PRDX6-1
A_23_P350886	8,90349	9,01291	-1,078794447	ENST00000614467	23506	NM_015349	GLTSCR1L
A_21_P0011870	1,63542	1,74488	-1,078824358	ENST00000617028	100996693	N/A	LOC100996693
A_23_P118643	11,2611	11,3706	-1,078854269	ENST00000450253	1977	NM_001968	EIF4E
A_23_P252062	11,3891	11,4986	-1,078854269	ENST00000396999	5468	NM_138711	PPARG
A_22_P00019903	2,00052	2,11012	-1,078929052	N/A	N/A	N/A	Inc-RP11-334E6.3.1-1
A_23_P126037	10,6546	10,7642	-1,078929052	ENST00000372771	6018	NM_012421	RLF
A_22_P00020068	1,54013	1,64974	-1,078936531	N/A	100288866	NR_103773	LOC100288866
A_33_P3347049	6,50823	6,61785	-1,07894401	N/A	N/A	N/A	N/A
A_33_P3286754	6,97605	7,0857	-1,078966446	ENST00000405717	23541	NM_033382	SEC14L2
A_22_P00017815	9,18451	9,29419	-1,078988883	ENST00000555578	196872	NR_024396	LINC00638
A_23_P141248	5,67732	5,78703	-1,07901132	ENST00000344595	63826	NM_021947	SRR
A_22_P00011968	2,90697	3,01669	-1,079018799	N/A	N/A	N/A	Inc-PLA2G15-2
A_23_P24389	7,58738	7,69714	-1,079048716	ENST00000473405	283234	NM_032251	CCDC88B
A_33_P3235776	1,38056	1,49036	-1,079078634	N/A	79632	BX640728	FAM184A
A_23_P170608	4,62849	4,73834	-1,079116033	ENST00000553557	64061	NM_022117	TSPYL2
A_33_P3424566	5,64205	5,75192	-1,079130993	N/A	401261	XR_250002	FLJ38717
A_33_P3268368	9,01479	9,12466	-1,079130993	ENST00000441788	51343	NM_016263	FZR1
A_32_P72492	2,26443	2,37433	-1,079153433	ENST00000295622	152405	NM_152539	C3orf30
A_33_P3271121	5,85361	5,96351	-1,079153433	N/A	N/A	N/A	N/A
A_21_P0006321	1,99005	2,10001	-1,079198314	N/A	N/A	N/A	Inc-PTGES2-1
A_24_P298587	3,71536	3,8254	-1,079258159	ENST00000531225	340393	NM_001280561	TMEM249
A_24_P401601	10,8853	10,9954	-1,079303045	ENST00000599859	N/A	N/A	N/A
A_23_P42935	9,10503	9,21513	-1,079303045	ENST00000497784	673	NM_004333	BRAF
A_33_P3386364	10,4521	10,5622	-1,079303045	ENST00000327470	2188	NM_022725	FANCF
A_22_P00001561	6,03489	6,145	-1,079310527	ENST00000563464	N/A	N/A	N/A

A_23_P4962	3,62518	3,73532	-1,079332971	ENST00000621651	126206	NM_153447	NLRP5
A_33_P3220445	9,05863	9,16879	-1,079347933	ENST00000545279	4090	NM_001001419	SMAD5
A_23_P58763	11,6348	11,745	-1,07937786	ENST00000506949	53918	NM_015946	PELO
A_22_P00015826	5,17534	5,28561	-1,079430233	N/A	N/A	N/A	lnc-TBC1D22A-2
A_21_P0012113	4,02121	4,13153	-1,079467644	ENST00000431580	N/A	N/A	N/A
A_33_P3415097	8,17738	8,28783	-1,079564918	ENST00000380833	1183	NM_001830	CLCN4
A_23_P365767	1,92506	2,03557	-1,079609817	ENST00000350061	776	NM_000720	CACNA1D
A_22_P00006845	4,8959	5,00649	-1,079669685	ENST00000446201	101927847	NR_109791	LOC101927847
A_23_P65699	12,319	12,4296	-1,079677168	ENST00000535302	80208	NM_025137	SPG11
A_21_P0013575	1,66408	1,77469	-1,079684652	N/A	N/A	N/A	XLOC_I2_014821
A_33_P3276207	6,75376	6,86457	-1,079834338	ENST00000273347	91775	NM_001134456	NXPE3
A_22_P00018422	5,58887	5,69978	-1,079909189	ENST00000485770	N/A	N/A	N/A
A_19_P00808044	1,70042	1,8114	-1,079961588	ENST00000597702	100505495	NR_040109	PCAT19
A_21_P0010927	6,21385	6,32489	-1,080006504	ENST00000423621	100874184	N/A	LINC00502
A_24_P168574	9,09266	9,20375	-1,080043934	ENST00000481768	2778	AJ224867	GNAS
A_33_P3213997	12,2955	12,4066	-1,080051421	ENST00000335125	317749	NM_001193636	DHRS4L2
A_33_P3223958	2,75596	2,86707	-1,080058907	ENST00000377712	51471	NM_016347	NAT8B
A_33_P3350508	6,89668	7,0078	-1,080066393	ENST00000460382	79068	NM_001080432	FTO
A_24_P349207	6,18231	6,29356	-1,080163722	ENST00000441186	441081	NR_073404	LOC441081
A_33_P3226710	7,11474	7,22599	-1,080163722	ENST00000333319	129790	NR_026865	C7orf13
A_33_P3386558	3,24651	3,35781	-1,080201158	ENST00000357447	55691	NM_018027	FRMD4A
A_32_P12104	3,51357	3,6249	-1,08022362	ENST00000454465	64682	NM_022662	ANAPC1
A_33_P3254291	4,84417	4,95555	-1,080261059	ENST00000315544	4850	NM_001190848	CNOT4
A_23_P57401	7,27408	7,38554	-1,080320963	ENST00000463909	8216	NM_006767	LZTR1
A_33_P3265309	3,57892	3,6904	-1,080335939	ENST00000221954	1089	NM_001817	CEACAM4
A_22_P00005988	5,02676	5,1384	-1,080455759	N/A	102723542	XR_426728	LOC102723542
A_24_P381499	4,20621	4,31793	-1,080515674	ENST00000320460	144321	NM_152436	GLIPR1L2
A_21_P0004469	1,76982	1,88158	-1,080545633	N/A	N/A	N/A	lnc-FBXW11-1
A_21_P0010032	5,30559	5,41736	-1,080553122	ENST00000615955	N/A	N/A	N/A
A_22_P00003981	14,5258	14,6376	-1,080575592	ENST00000565153	N/A	N/A	N/A
A_23_P136238	11,8345	11,9463	-1,080575592	ENST00000343666	94107	NM_053045	TMEM203
A_22_P00012922	8,13774	8,24956	-1,080590572	ENST00000559555	4947	NM_002537	OAZ2
A_22_P00024619	10,2231	10,335	-1,080650494	N/A	N/A	DB125444	lnc-RP11-503N18.3.1-3

A_24_P399362	10,8482	10,9601	-1,080650494	ENST00000317615	56984	NM_020232	PSMG2
A_23_P103034	1,942	2,05391	-1,080657985	ENST00000466315	1413	NM_001886	CRYBA4
A_21_P0004231	3,47041	3,58237	-1,080695438	N/A	N/A	N/A	Inc-FAM105B-3
A_22_P00003249	1,39418	1,50617	-1,080717911	ENST00000570015	102216268	NR_104332	CISTR
A_22_P00013499	2,87126	2,98325	-1,080717911	N/A	N/A	N/A	Inc-RP11-362K2.2.1-2
A_23_P58266	18,1653	18,2773	-1,080725402	ENST00000296370	6286	NM_005980	S100P
A_22_P00025915	1,63409	1,74612	-1,080747875	ENST00000580927	N/A	N/A	N/A
A_21_P0012385	2,61666	2,72875	-1,080792823	N/A	N/A	N/A	XLOC_I2_009804
A_22_P00023030	8,1504	8,26249	-1,080792823	ENST00000509548	N/A	N/A	N/A
A_21_P0011728	4,39954	4,51165	-1,080807806	ENST00000590092	284440	NR_026956	LINC00663
A_22_P00021994	1,93289	2,04502	-1,08082279	N/A	N/A	N/A	Inc-CNOT1-1
A_33_P3327140	8,94392	9,05609	-1,080852757	N/A	N/A	N/A	N/A
A_33_P3395547	3,3755	3,4877	-1,080875233	ENST00000417674	26062	N/A	HYALP1
A_21_P0012831	4,96989	5,08212	-1,080897709	ENST00000461998	23348	NM_001130050	DOCK9
A_23_P59855	6,77011	6,8824	-1,080942663	ENST00000430838	7697	NM_006524	ZNF138
A_21_P0014487	1,65646	1,76876	-1,080950156	N/A	100506275	NR_122033	KRBOX1-AS1
A_33_P3248245	1,46893	1,58129	-1,080995112	N/A	N/A	CD675678	N/A
A_33_P3223759	11,1011	11,2135	-1,081025084	ENST00000397786	9969	NM_005121	MED13
A_33_P3334037	10,6373	10,7497	-1,081025084	ENST00000261167	51729	NM_016312	WBP11
A_23_P136460	9,0885	9,20094	-1,081055057	ENST00000033079	51306	NM_016603	FAM13B
A_33_P3254013	5,4536	5,56606	-1,081070044	ENST00000515868	2580	AK131464	GAK
A_22_P00003268	4,20409	4,31659	-1,081100018	N/A	N/A	N/A	Inc-CALM1-5
A_33_P3290909	10,2982	10,4108	-1,081174957	ENST00000375340	8243	NM_001281463	SMC1A
A_22_P00013598	1,62581	1,7385	-1,081242406	ENST00000551928	N/A	N/A	N/A
A_23_P54000	12,1469	12,2596	-1,081249901	ENST00000362031	58533	NM_021249	SNX6
A_21_P0010118	5,03971	5,15244	-1,081272385	ENST00000615120	N/A	N/A	N/A
A_21_P0000664	3,22131	3,3341	-1,081317354	ENST00000544344	920	AK310750	CD4
A_23_P168276	10,1028	10,2156	-1,08132485	ENST00000613034	9519	NM_004865	TBPL1
A_22_P00020726	10,5771	10,6899	-1,08132485	N/A	N/A	N/A	Inc-ZNF8-1
A_21_P0006569	12,9408	13,0537	-1,081399804	N/A	102724491	N/A	LOC102724491
A_33_P3317431	15,429	15,5419	-1,081399804	ENST00000447700	N/A	N/A	N/A
A_21_P0007803	3,59115	3,70409	-1,081429787	N/A	N/A	N/A	Inc-TMEM132D-2
A_23_P364355	3,36778	3,48075	-1,081452275	ENST00000390361	N/A	X58329	N/A

A_21_P0000893	7,16543	7,27843	-1,081474763	N/A	100506686	NR_040051	IQCH-AS1
A_33_P3365621	1,69843	1,81149	-1,081519742	ENST00000305159	341152	NM_001005285	OR2AT4
A_23_P417100	1,63434	1,7474	-1,081519742	ENST00000345847	81871	NM_030976	KRTAP4-6
A_23_P22382	13,1076	13,2207	-1,081549728	ENST00000478158	26000	NM_015527	TBC1D10B
A_23_P393531	4,89422	5,00734	-1,081564722	ENST00000523221	3631	NM_004027	INPP4A
A_24_P743672	7,5863	7,69942	-1,081564722	N/A	N/A	N/A	N/A
A_23_P100676	8,17772	8,29088	-1,08159471	ENST00000570756	23293	NM_017575	SMG6
A_22_P00005408	1,55827	1,67143	-1,08159471	N/A	101929459	XR_425050	LOC101929459
A_33_P3398877	5,98104	6,09421	-1,081602207	N/A	N/A	N/A	N/A
A_21_P0009132	3,50206	3,61525	-1,081617201	N/A	N/A	N/A	Inc-PMFBP1-4
A_22_P00001044	6,0686	6,18179	-1,081617201	ENST00000497675	199990	AK125445	C1orf86
A_22_P00004316	4,73159	4,84479	-1,081624698	N/A	253039	NR_024408	PSMD5-AS1
A_23_P149050	7,97949	8,09271	-1,081639693	ENST00000473798	79854	NR_024321	LINC00115
A_22_P00007026	1,68513	1,79836	-1,08164719	N/A	N/A	DA621942	Inc-GIP-2
A_33_P3296697	1,69225	1,80559	-1,081729665	N/A	N/A	N/A	XLOC_l2_003886
A_21_P0010857	11,1538	11,2672	-1,081774654	ENST00000440192	N/A	N/A	N/A
A_33_P3327250	7,38005	7,49346	-1,081782152	N/A	N/A	N/A	N/A
A_33_P3236046	4,7771	4,89052	-1,08178965	N/A	N/A	AK130276	N/A
A_33_P3340792	8,42244	8,53589	-1,081812146	ENST00000526278	79947	NM_001243564	DHDDS
A_19_P00801735	9,98585	10,0993	-1,081812146	ENST00000437235	101928545	N/A	SEPT7-AS1
A_22_P00022918	1,35805	1,47151	-1,081819644	ENST00000441568	N/A	AK055550	N/A
A_32_P159535	4,17105	4,28453	-1,081834642	ENST00000445502	N/A	N/A	N/A
A_23_P56709	9,81302	9,92651	-1,08184214	ENST00000472030	7844	NM_005667	RNF103
A_23_P70670	7,40273	7,51626	-1,081872136	ENST00000379153	9308	NM_004233	CD83
A_22_P00013742	3,51286	3,62641	-1,081887134	ENST00000562040	N/A	CR745865	N/A
A_22_P00005498	3,62602	3,7396	-1,081909631	ENST00000412241	N/A	BC043266	N/A
A_22_P00001485	1,46019	1,57378	-1,08191713	ENST00000411856	N/A	N/A	N/A
A_21_P0006030	1,43577	1,54941	-1,081954627	ENST00000366188	N/A	N/A	N/A
A_22_P00009403	6,46309	6,57677	-1,081984626	ENST00000302291	7798	NM_033631	LUZP1
A_24_P213783	17,1875	17,3012	-1,081999626	ENST00000413849	6160	NM_000993	RPL31
A_24_P854913	6,83941	6,95313	-1,082014625	ENST00000411432	151194	NM_001127395	METTTL21A
A_33_P3286387	6,81015	6,92389	-1,082029625	ENST00000371394	79813	NM_001145527	EHMT1
A_33_P3305288	1,61892	1,73267	-1,082037126	ENST00000340634	344838	NM_198504	PAQR9

A_22_P00019616	6,91336	7,02725	-1,082142132	N/A	N/A	DA134497	Inc-KBTBD5-1
A_22_P00020711	1,65548	1,7694	-1,082164635	ENST00000533591	N/A	CF139581	N/A
A_21_P0009431	1,65751	1,77156	-1,082262152	ENST00000578803	400660	NR_120419	LINC00683
A_33_P3256033	9,47392	9,58802	-1,082299661	ENST00000264033	867	NM_005188	CBL
A_21_P0003672	1,42064	1,53475	-1,082307163	N/A	N/A	N/A	Inc-NPY5R-1
A_32_P202182	5,16267	5,27683	-1,082344674	ENST00000442619	728524	NR_003664	SPDYE8P
A_23_P109895	9,90806	10,0223	-1,082404693	ENST00000480524	65010	NM_001040454	SLC26A6
A_32_P84009	11,4874	11,6017	-1,08244971	ENST00000581487	146223	NM_181521	CMTM4
A_22_P00010429	2,15619	2,27052	-1,082472219	ENST00000457813	N/A	N/A	N/A
A_23_P78944	7,23671	7,35114	-1,082547253	ENST00000221496	268	NM_000479	AMH
A_32_P52816	9,75694	9,8714	-1,082569764	N/A	51768	NM_016551	TM7SF3
A_23_P148609	7,83142	7,94595	-1,082622292	ENST00000476971	10761	NM_021796	PLAC1
A_23_P20035	5,03316	5,14771	-1,082637301	ENST00000397095	115330	XM_006715642	GPR146
A_24_P273666	17,096	17,2106	-1,082674823	ENST00000480975	2778	NM_001077489	GNAS
A_22_P00008114	5,00227	5,11687	-1,082674823	ENST00000448831	127294	NM_152372	MYOM3
A_21_P0008066	4,22898	4,34361	-1,082697337	N/A	N/A	N/A	Inc-OLFM4-2
A_22_P00016525	3,92489	4,03953	-1,082704841	N/A	102724811	XR_429170	LOC102724811
A_33_P3228271	9,89002	10,0047	-1,082734861	ENST00000398411	1471	NM_001288614	CST3
A_22_P00021130	5,92273	6,03741	-1,082734861	N/A	N/A	AK022993	Inc-TFB1M-1
A_33_P3391578	3,56084	3,67555	-1,082757376	ENST00000469465	649946	NR_003040	RPL23AP64
A_33_P3352837	1,84422	1,95894	-1,082764881	N/A	N/A	N/A	N/A
A_22_P00012749	6,52178	6,6365	-1,082764881	N/A	101927318	NR_110589	LOC101927318
A_22_P00009690	3,76678	3,88158	-1,082824924	ENST00000450310	N/A	N/A	N/A
A_33_P3247255	7,67626	7,79108	-1,082839935	ENST00000491166	55002	NM_017905	TMCO3
A_33_P3248004	2,19716	2,31199	-1,082847441	ENST00000528390	399886	NR_122071	LOC399886
A_33_P3262128	1,63479	1,74972	-1,082922501	N/A	N/A	N/A	N/A
A_33_P3589217	12,5438	12,6588	-1,082975046	ENST00000484026	293	NM_001636	SLC25A6
A_33_P3231267	3,71998	3,83502	-1,083005072	N/A	N/A	N/A	Inc-ITGA2-1
A_23_P500985	6,59009	6,70514	-1,083012579	ENST00000400661	5081	NM_013945	PAX7
A_33_P3352098	4,73543	4,85049	-1,083020086	ENST00000358246	58475	NM_021201	MS4A7
A_23_P258433	1,40174	1,51681	-1,083027593	ENST00000537611	51802	NM_017419	ASIC5
A_33_P3218138	13,2283	13,3434	-1,083050114	ENST00000617998	5430	NM_000937	POLR2A
A_23_P427622	9,41306	9,52821	-1,083087651	ENST00000545209	121665	NM_139015	SPPL3

A_33_P3382748	3,13644	3,2516	-1,083095158	N/A	5927	NM_001042603	KDM5A
A_33_P3372566	6,12666	6,24183	-1,083102665	ENST00000443426	89845	N/A	ABCC10
A_33_P3372293	1,97549	2,09072	-1,083147711	ENST00000376954	347344	NM_007137	ZNF81
A_33_P3329795	4,05882	4,17405	-1,083147711	ENST00000525264	440044	NM_001004326	SLC22A20
A_21_P0010628	1,68986	1,80511	-1,083162727	N/A	N/A	N/A	XLOC_I2_000961
A_33_P3421695	9,2972	9,41249	-1,083192759	ENST00000405570	1499	NM_001098210	CTNNB1
A_23_P24104	15,4612	15,5765	-1,083200267	ENST00000446342	5328	NM_002658	PLAU
A_33_P3388745	5,16636	5,28167	-1,083207775	N/A	100132207	AK123339	LOC100132207
A_19_P00320140	5,76722	5,88261	-1,083267843	N/A	441094	NR_109825	NR2F1-AS1
A_33_P3345354	12,0915	12,2069	-1,083275352	ENST00000368216	51093	NM_015997	RRNAD1
A_22_P00012056	1,72776	1,84318	-1,083290369	N/A	N/A	DB219765	Inc-PLK1-2
A_33_P3261147	1,61072	1,72614	-1,083290369	ENST00000315409	390442	NM_001004479	OR11H4
A_33_P3683076	7,49069	7,60613	-1,083305387	N/A	10916	AK091003	MAGED2
A_23_P59825	1,65435	1,76982	-1,083327914	ENST00000249284	50833	NM_016945	TAS2R16
A_21_P0000714	12,7862	12,9017	-1,083350441	ENST00000493536	100507246	NR_038108	SNHG16
A_22_P00022235	1,63691	1,75246	-1,083387988	ENST00000400540	440131	N/A	LINC00544
A_23_P161076	3,38547	3,50106	-1,083418026	ENST00000369478	914	NM_001767	CD2
A_33_P3389298	6,77212	6,88772	-1,083425536	ENST00000601142	90075	NM_001099438	ZNF30
A_33_P3277437	6,73846	6,8541	-1,083455575	ENST00000563117	112479	NM_001142725	ERI2
A_23_P160800	3,43882	3,55446	-1,083455575	ENST00000254227	8431	NM_021969	NROB2
A_22_P00018177	2,54812	2,66385	-1,083523167	ENST00000510242	N/A	N/A	N/A
A_21_P0000610	5,28709	5,40284	-1,083538188	ENST00000503458	401164	NR_033869	LINC01060
A_33_P3265189	2,9479	3,06368	-1,083560719	N/A	1828	NM_001942	DSG1
A_22_P00002756	2,86179	2,9776	-1,083583252	N/A	N/A	N/A	Inc-C21orf67-1
A_33_P3363091	7,62342	7,73923	-1,083583252	N/A	55697	U25801	VAC14
A_19_P00327320	4,07126	4,18712	-1,083620807	N/A	N/A	N/A	Inc-ZDHHC2-1
A_33_P3323718	6,73883	6,85473	-1,083650851	ENST00000322954	55075	NM_001008224	UACA
A_24_P410627	11,3202	11,4361	-1,083650851	ENST00000496169	23608	NM_001291663	MKRN1
A_23_P54636	12,5685	12,6844	-1,083650851	ENST00000563305	9114	NM_004691	ATP6V0D1
A_33_P3238325	3,95429	4,0702	-1,083658363	N/A	N/A	N/A	N/A
A_23_P20045	8,86072	8,97663	-1,083658363	ENST00000469417	5189	NM_000466	PEX1
A_22_P00005150	7,89229	8,00822	-1,083673385	N/A	N/A	AK125142	Inc-DHX38-5
A_21_P0006188	1,45489	1,57085	-1,08369592	N/A	N/A	N/A	Inc-C9orf102-4



A_22_P00008201	3,91117	4,02714	-1,083703432	N/A	N/A	N/A	Inc-INTS4-1
A_23_P761	14,7765	14,8925	-1,083725967	ENST00000493673	5692	NM_002796	PSMB4
A_24_P411899	9,2144	9,33045	-1,083763527	ENST00000341084	25897	NM_183419	RNF19A
A_23_P38219	12,175	12,2911	-1,083801088	ENST00000572723	10594	NM_006445	PRPF8
A_23_P320858	1,64719	1,76332	-1,083823625	ENST00000623624	N/A	BC069077	N/A
A_21_P0002675	3,76469	3,88084	-1,08383865	ENST00000457336	400999	NR_033871	FLJ42351
A_33_P3250055	3,93157	4,04773	-1,083846163	N/A	6300	AK308768	MAPK12
A_24_P349560	8,88555	9,00175	-1,083876214	ENST00000528228	1977	NM_001968	EIF4E
A_33_P3813684	10,3119	10,4281	-1,083876214	ENST00000424943	440594	NR_033966	FLJ31662
A_22_P00017839	3,37822	3,49447	-1,083913779	ENST00000438790	N/A	N/A	N/A
A_33_P3423825	6,03956	6,15582	-1,083921292	N/A	N/A	N/A	N/A
A_33_P3290573	8,37942	8,49571	-1,083943831	ENST00000369754	55603	NM_017633	FAM46A
A_24_P287826	9,83011	9,94641	-1,083951345	ENST00000361070	55159	NM_018124	RFWD3
A_22_P00010118	7,80505	7,92139	-1,083981399	ENST00000424756	N/A	N/A	N/A
A_33_P3577120	8,37019	8,48653	-1,083981399	ENST00000568546	10607	BC033227	TBL3
A_21_P0014614	2,27179	2,38828	-1,084094108	N/A	N/A	N/A	N/A
A_24_P125881	12,435	12,5515	-1,084101623	ENST00000389262	9993	NM_005137	DGCR2
A_23_P157879	3,48133	3,59786	-1,084124166	ENST00000371806	2219	NM_002003	FCN1
A_33_P3371984	5,24608	5,36268	-1,08417677	ENST00000370901	3547	NM_205833	IGSF1
A_23_P334123	11,5563	11,6729	-1,08417677	ENST00000567957	81533	NM_030790	ITFG1
A_23_P15786	2,01403	2,13066	-1,084199315	ENST00000312150	147183	NM_181534	KRT25
A_21_P0011495	4,19536	4,312	-1,08420683	ENST00000507418	727856	NR_110561	DDX11L16
A_22_P00001917	7,09143	7,20807	-1,08420683	ENST00000481262	3712	XR_243098	IVD
A_33_P3396434	18,4521	18,5688	-1,084251922	N/A	N/A	N/A	N/A
A_21_P0011391	9,19227	9,30897	-1,084251922	ENST00000555186	11200	NM_001005735	CHEK2
A_22_P00015590	10,1807	10,2974	-1,084251922	ENST00000456771	N/A	N/A	N/A
A_33_P3421331	1,62888	1,74559	-1,084259437	ENST00000620245	652991	NM_001278063	SKOR2
A_22_P00015032	3,3646	3,48133	-1,084274468	N/A	N/A	BC035260	Inc-SMUG1-6
A_33_P3381361	4,43879	4,55564	-1,084364659	ENST00000562775	6687	AF090912	SPG7
A_33_P3355055	11,371	11,4879	-1,084402241	ENST00000442210	51329	NM_001278378	ARL6IP4
A_23_P340158	13,6797	13,7966	-1,084402241	ENST00000545932	23479	NM_014301	ISCU
A_21_P0009314	2,49599	2,61292	-1,084424791	N/A	102724792	XR_433367	LOC102724792
A_33_P3362737	4,15713	4,27412	-1,084469892	N/A	N/A	AK124695	N/A

A_22_P00009417	1,95842	2,07542	-1,084477409	N/A	104472519	NR_126434	STX18-IT1
A_32_P85042	4,33202	4,44904	-1,084492443	ENST00000397094	N/A	N/A	N/A
A_22_P00005391	4,71483	4,83185	-1,084492443	ENST00000280904	1824	AF085831	DSC2
A_22_P00007880	5,15268	5,26976	-1,084537547	N/A	N/A	AB528276	Inc-HSCB-1
A_19_P00319712	4,96931	5,0864	-1,084545064	ENST00000606884	N/A	N/A	N/A
A_23_P70566	5,88191	5,99901	-1,084552582	ENST00000375156	63943	NM_022110	FKBPL
A_21_P0006544	3,6117	3,7288	-1,084552582	N/A	102725285	XR_426541	LOC102725285
A_33_P3414944	3,12063	3,23775	-1,084567617	N/A	N/A	N/A	Inc-GABARAPL3-4
A_33_P3371588	2,74954	2,86667	-1,084575135	ENST00000369498	65991	NM_023934	FUNDC2
A_22_P00015572	6,58279	6,69999	-1,08462776	N/A	N/A	N/A	Inc-STT3B-1
A_33_P3789327	2,7214	2,83864	-1,084657832	N/A	100113393	AV755695	SNORD12B
A_24_P47467	11,9393	12,0566	-1,084702943	ENST00000227525	79073	NM_024092	TMEM109
A_24_P124992	13,7015	13,8188	-1,084702943	ENST00000557929	5685	NM_002789	PSMA4
A_24_P870101	5,72597	5,84327	-1,084702943	N/A	N/A	AK026209	Inc-EXOSC6-3
A_24_P27229	6,63266	6,74999	-1,084725499	ENST00000444623	51380	NM_015989	CSAD
A_21_P0013877	17,2385	17,3559	-1,084778132	N/A	N/A	N/A	XLOC_I2_015885
A_32_P210642	10,3929	10,5103	-1,084778132	ENST00000308874	51162	NM_201446	EGFL7
A_33_P3423721	14,4243	14,5417	-1,084778132	ENST00000301008	57338	NM_001271605	JPH3
A_23_P368278	9,86576	9,98324	-1,084838286	ENST00000311172	9873	NM_014824	FCHSD2
A_23_P15402	13,6454	13,7629	-1,084853325	ENST00000576579	112483	NM_133491	SAT2
A_33_P3387956	11,723	11,8405	-1,084853325	ENST00000473532	29952	NM_013379	DPP7
A_21_P0004210	1,74162	1,85921	-1,084921004	N/A	N/A	N/A	Inc-IRX1-3
A_21_P0005863	1,72331	1,84094	-1,084951085	ENST00000520988	N/A	N/A	N/A
A_21_P0001018	5,33478	5,45245	-1,084981166	N/A	100996741	XR_250844	LOC100996741
A_33_P3229122	1,68858	1,80627	-1,084996208	N/A	8343	NM_003522	HIST1H2BF
A_32_P22338	9,27559	9,39333	-1,085033811	ENST00000622242	10015	NM_013374	PDCD6IP
A_33_P3236568	2,10782	2,22558	-1,085048853	ENST00000368784	353141	NM_178430	LCE2D
A_22_P00002639	5,75993	5,87777	-1,085109023	N/A	N/A	N/A	Inc-C1orf185-2
A_33_P3314468	8,27821	8,39605	-1,085109023	ENST00000486633	10989	NM_001100170	IMMT
A_33_P3373469	15,7599	15,8778	-1,085154152	ENST00000310118	5708	NM_002808	PSMD2
A_23_P365844	10,6304	10,7483	-1,085154152	ENST00000390658	163126	NM_153232	EID2
A_33_P3687389	3,49866	3,61663	-1,085206805	N/A	N/A	CA309819	N/A
A_21_P0001597	1,67587	1,79386	-1,08522185	N/A	N/A	N/A	Inc-ACBD6-3

A_23_P146456	11,7843	11,9023	-1,085229372	ENST00000259470	1515	NM_001333	CTSV
A_22_P00003400	1,46341	1,58143	-1,085244416	N/A	N/A	N/A	Inc-CCDC125-2
A_23_P350689	9,96685	10,0849	-1,085266984	ENST00000478793	254887	NM_173570	ZDHHC23
A_33_P3257808	8,28058	8,39868	-1,085304597	ENST00000581685	2177	NM_001018115	FANCD2
A_24_P416346	9,05635	9,17448	-1,085327165	ENST00000591713	2118	NM_001079675	ETV4
A_23_P208636	1,80065	1,91885	-1,085379827	ENST00000391814	50944	NM_016148	SHANK1
A_33_P3402414	8,94656	9,06483	-1,085432491	ENST00000425198	989	NM_001788	set-07
A_23_P14948	11,6075	11,7258	-1,085455062	ENST00000562886	8720	NM_003791	MBTPS1
A_23_P11915	8,07744	8,19575	-1,085462586	ENST00000369443	54834	NM_017686	GDAP2
A_24_P366749	1,39165	1,51	-1,085492682	ENST00000368487	57198	NM_001005855	ATP8B2
A_22_P00018323	8,81496	8,93331	-1,085492682	ENST00000484709	23145	NM_198455	SSPO
A_21_P0006556	6,13954	6,2579	-1,085500206	N/A	N/A	N/A	Inc-VCX-2
A_21_P0003060	1,83152	1,94988	-1,085500206	N/A	N/A	N/A	Inc-NLGN1-1
A_22_P00003718	1,69422	1,81259	-1,08550773	ENST00000580883	N/A	AK127888	N/A
A_21_P0010877	9,47473	9,59312	-1,085522779	N/A	N/A	N/A	XLOC_I2_001972
A_23_P104323	12,1805	12,2989	-1,085530303	ENST00000306010	4255	NM_002412	MGMT
A_23_P8185	14,4931	14,6115	-1,085530303	ENST00000367088	6993	NM_006519	DYNLT1
A_23_P117971	13,6066	13,725	-1,085530303	ENST00000623879	N/A	M15530	N/A
A_22_P00014624	2,2625	2,38092	-1,085545352	N/A	N/A	AY485348	Inc-SLC16A3-2
A_33_P3247644	9,3464	9,46485	-1,085567925	ENST00000324489	222166	NM_152793	MTURN
A_33_P3299165	4,09072	4,20924	-1,085620599	ENST00000400540	440131	NR_033889	LINC00544
A_21_P0004881	1,43339	1,55192	-1,085628124	N/A	N/A	N/A	Inc-TSPO2-1
A_23_P254648	8,83091	8,94947	-1,085650699	ENST00000453291	26190	NM_012164	FBXW2
A_33_P3728167	5,70992	5,8285	-1,085665749	ENST00000614547	1003	NM_001795	CDH5
A_33_P3260722	7,44427	7,56286	-1,085673275	N/A	7405	NM_003369	UVRAG
A_22_P00019795	8,44502	8,56361	-1,085673275	ENST00000438736	N/A	N/A	N/A
A_33_P3313652	5,04877	5,16746	-1,08574853	N/A	N/A	N/A	N/A
A_22_P00007975	4,32969	4,4484	-1,085763582	N/A	N/A	N/A	Inc-IDI1-1
A_22_P00003384	2,85744	2,9762	-1,085801212	N/A	N/A	N/A	Inc-CCDC102B-8
A_21_P0014718	8,48214	8,6009	-1,085801212	ENST00000467997	133015	XM_006713940	PACRGL
A_19_P00811440	4,35812	4,47689	-1,085808739	N/A	N/A	N/A	Inc-KLF7-1
A_33_P3368328	14,252	14,3708	-1,085831318	ENST00000440277	11331	NM_001144831	PHB2
A_23_P158053	11,7533	11,8722	-1,085906584	ENST00000372994	79095	NM_024112	C9orf16

A_32_P209989	11,8504	11,9693	-1,085906584	ENST00000560703	26589	NM_022163	MRPL46
A_21_P0008443	4,70914	4,82806	-1,085921638	N/A	N/A	N/A	Inc-RP11-1085N6.3.1-2
A_33_P3232930	1,62911	1,74808	-1,085959274	N/A	100289178	NR_040077	GNG12-AS1
A_33_P3300217	2,23857	2,35756	-1,085974329	N/A	91807	NM_182493	MYLK3
A_23_P364890	9,61132	9,7304	-1,086042078	ENST00000357890	9810	NM_014771	RNF40
A_23_P129577	6,1522	6,27133	-1,086079718	ENST00000396862	91151	NM_033208	TIGD7
A_21_P0005083	1,61019	1,72937	-1,086117359	N/A	N/A	N/A	Inc-C6orf118-1
A_23_P98345	10,3763	10,4955	-1,086132416	ENST00000265909	399979	NM_014758	SNX19
A_23_P73511	9,39182	9,51103	-1,086139944	ENST00000469505	369	NM_001654	ARAF
A_21_P0013307	9,34233	9,4616	-1,086185117	ENST00000429248	N/A	N/A	N/A
A_24_P308229	8,4633	8,58258	-1,086192645	ENST00000520372	55057	NM_001039775	AIM1L
A_24_P187614	3,13253	3,25182	-1,086200174	N/A	100129648	AK097637	LOC100129648
A_33_P3393350	13,8448	13,9641	-1,086207703	ENST00000569675	89941	NM_138769	RHOT2
A_33_P3252630	6,30569	6,42503	-1,08623782	ENST00000357002	9534	NM_001278677	ZNF254
A_33_P3392245	4,48928	4,60866	-1,086267937	ENST00000370269	55719	NM_001136123	FAM178A
A_33_P3281468	4,87768	4,99707	-1,086275467	ENST00000290607	57519	NM_020759	STARD9
A_22_P00019125	2,74041	2,8598	-1,086275467	N/A	N/A	AK302750	Inc-SLC35A1-1
A_21_P0002818	1,63009	1,74951	-1,086298055	N/A	N/A	N/A	Inc-EIF4A2-1
A_21_P0005893	3,80366	3,92324	-1,086418536	N/A	N/A	N/A	Inc-EXT1-1
A_23_P54079	10,2786	10,3982	-1,086433597	ENST00000553292	55644	NM_017807	OSGEP
A_23_P42198	12,0822	12,2019	-1,086508906	ENST00000614378	8355	NM_003534	HIST1H3G
A_23_P368338	1,4865	1,6062	-1,086508906	ENST00000368602	100128327	NM_001139444	TRAPPC3L
A_22_P00004162	1,71764	1,83736	-1,086523968	N/A	N/A	BC040306	Inc-CLEC3A-2
A_23_P427014	2,16949	2,28927	-1,086569156	ENST00000399899	9073	NM_199328	CLDN8
A_33_P3230290	12,5285	12,6483	-1,08658422	ENST00000492936	116983	NM_030649	ACAP3
A_21_P0007322	1,67676	1,79663	-1,086636942	N/A	N/A	N/A	Inc-PLEKHA7-1
A_23_P74843	12,4545	12,5744	-1,086659538	ENST00000366922	55699	NM_018060	IARS2
A_22_P00001924	7,79619	7,91611	-1,086674603	N/A	N/A	N/A	Inc-BAI3-3
A_21_P0009193	5,79397	5,91389	-1,086674603	ENST00000608940	N/A	N/A	N/A
A_23_P429514	1,66363	1,78361	-1,086719797	ENST00000311378	124857	NM_175575	WFIKKN2
A_21_P0003595	12,4755	12,5955	-1,086734863	N/A	N/A	N/A	Inc-PCDH7-13
A_21_P0010806	5,44143	5,56144	-1,086742395	N/A	N/A	N/A	XLOC_I2_001496
A_33_P3392892	7,32423	7,44427	-1,086764994	ENST00000301831	54986	NM_017886	ULK4

A_21_P0007835	5,57441	5,69454	-1,086832792	N/A	N/A	N/A	Inc-ARID2-2
A_23_P107132	1,46353	1,58368	-1,086847858	ENST00000226193	5957	NM_002903	RCVRN
A_21_P0013322	5,95553	6,0757	-1,086862925	ENST00000442563	27342	N/A	RABGEF1
A_21_P0013099	6,01427	6,13444	-1,086862925	N/A	N/A	N/A	XLOC_I2_013125
A_33_P3665777	16,5126	16,6328	-1,086885526	ENST00000334701	3320	NM_001017963	HSP90AA1
A_33_P3242878	1,64285	1,76307	-1,086900594	ENST00000404038	64800	NM_022785	EFCAB6
A_33_P3224206	2,3623	2,48253	-1,086908128	N/A	N/A	N/A	Inc-ALX3-1
A_33_P3377194	8,51567	8,63603	-1,087006073	ENST00000380572	148	NM_033304	ADRA1A
A_22_P00001073	3,49468	3,61506	-1,087021142	ENST00000557962	N/A	N/A	N/A
A_33_P3352873	9,12827	9,2487	-1,087058816	ENST00000369760	594	NM_000056	BCKDHB
A_21_P0004236	2,09831	2,21874	-1,087058816	N/A	N/A	N/A	Inc-C5orf17-1
A_33_P3237567	7,48685	7,60728	-1,087058816	ENST00000464610	3105	AK316198	HLA-A
A_21_P0006334	6,20632	6,32681	-1,087104026	N/A	N/A	N/A	Inc-QSOX2-1
A_23_P99405	10,7894	10,9099	-1,087111561	ENST00000382883	7750	NM_003453	ZMYM2
A_23_P255701	1,74475	1,86527	-1,087126632	ENST00000583171	83450	NM_031294	LRRC48
A_24_P110273	9,89252	10,0131	-1,087171845	ENST00000456678	N/A	N/A	N/A
A_21_P0014623	9,09342	9,21404	-1,087201989	N/A	100505616	NR_110096	SNHG21
A_33_P3213149	3,15695	3,2776	-1,087224597	ENST00000426585	N/A	N/A	N/A
A_21_P0012272	3,04031	3,16098	-1,087239669	N/A	N/A	N/A	XLOC_I2_009439
A_33_P3271126	10,795	10,9157	-1,087262278	N/A	N/A	N/A	N/A
A_23_P63829	11,3996	11,5203	-1,087262278	ENST00000378372	51182	NM_016299	HSPA14
A_24_P44931	9,29092	9,41166	-1,087292423	ENST00000359935	84954	NM_032868	MPND
A_33_P3376622	4,04983	4,17061	-1,08732257	ENST00000618652	4302	NM_005937	MLLT6
A_21_P0011474	9,92411	10,0449	-1,087330107	ENST00000567422	11200	NM_001005735	CHEK2
A_33_P3772937	13,4054	13,5262	-1,087337643	N/A	90133	AL133645	KRT8P12
A_32_P44512	11,7635	11,8843	-1,087337643	ENST00000620312	6767	NM_003932	ST13
A_33_P3254811	2,6889	2,80977	-1,087390403	ENST00000335012	285382	NM_001025266	C3orf70
A_23_P94660	12,2501	12,371	-1,087413015	ENST00000223865	54662	NM_018201	TBC1D13
A_23_P123424	4,65886	4,77983	-1,087465777	ENST00000289957	1142	NM_000749	CHRN3
A_24_P40795	16,1461	16,2671	-1,087488391	ENST00000481681	N/A	N/A	N/A
A_23_P380871	1,79261	1,91362	-1,087495929	ENST00000335510	504180	NM_001040703	DEFB105B
A_21_P0009900	1,65806	1,77908	-1,087503467	ENST00000433587	N/A	N/A	N/A
A_22_P00003769	1,70299	1,82405	-1,087533619	N/A	N/A	N/A	Inc-CDK17-1

A_33_P3237344	4,22605	4,34713	-1,087548696	N/A	N/A	N/A	N/A
A_24_P396375	10,6821	10,8032	-1,087563772	ENST00000415912	1889	NM_001113347	ECE1
A_21_P0000262	11,0453	11,1664	-1,087563772	ENST00000466550	619499	NR_002575	SNORA27
A_33_P3362831	1,64976	1,77087	-1,087571311	ENST00000622580	7135	NM_003281	TNNI1
A_22_P00018930	3,14482	3,26605	-1,087661776	N/A	N/A	N/A	Inc-APOBEC4-1
A_33_P3276297	4,96959	5,09083	-1,087669315	N/A	N/A	AY326463	N/A
A_33_P3289167	5,47138	5,59266	-1,087699472	ENST00000392197	27033	NM_014383	ZBTB32
A_33_P3384710	7,64001	7,76135	-1,087744709	ENST00000341217	55731	NM_001288631	FAM222B
A_23_P60499	11,2925	11,4139	-1,087789948	ENST00000277225	58499	NM_021224	ZNF462
A_23_P431305	3,24961	3,37102	-1,087797488	ENST00000617017	138311	NM_152421	FAM69B
A_23_P411102	6,25734	6,37883	-1,08785781	ENST00000399510	1742	NM_001365	DLG4
A_33_P3242743	8,93591	9,05748	-1,087918136	ENST00000622789	10139	NM_001267549	ARFRP1
A_23_P83045	15,486	15,6076	-1,087940759	ENST00000493886	7415	NM_007126	VCP
A_24_P131589	9,48412	9,60576	-1,087970923	ENST00000330540	942	NM_006889	CD86
A_33_P3278118	6,72259	6,84427	-1,088001089	ENST00000613118	836	NM_004346	CASP3
A_21_P0010095	1,7635	1,88518	-1,088001089	N/A	N/A	N/A	Inc-CEBPB-6
A_21_P0002710	1,87727	1,99896	-1,08800863	ENST00000489729	254827	N/A	NAALADL2
A_33_P3802146	14,1315	14,2532	-1,088016172	ENST00000505089	201853	NR_126435	LINC00504
A_21_P0012079	13,8776	13,9993	-1,088016172	ENST00000409569	541471	NR_024373	MIR4435-1HG
A_23_P151133	7,67947	7,80119	-1,088031255	ENST00000011898	10867	NM_006675	TSPAN9
A_21_P0001480	6,35025	6,47199	-1,088046338	N/A	N/A	N/A	Inc-C1orf201-2
A_23_P73142	9,44345	9,56519	-1,088046338	ENST00000581120	51204	NM_016360	TACO1
A_33_P3220213	1,64475	1,7665	-1,08805388	N/A	N/A	N/A	N/A
A_24_P938614	9,93825	10,06	-1,08805388	ENST00000295887	1040	NM_001263	CDS1
A_21_P0003290	15,8922	16,014	-1,08809159	N/A	N/A	N/A	Inc-MINA-3
A_24_P305960	11,7511	11,8729	-1,08809159	ENST00000511171	221496	NM_181336	LEMD2
A_24_P165423	4,87674	4,99861	-1,088144386	ENST00000315901	116362	NM_052960	RBP7
A_24_P22981	4,67791	4,79979	-1,088151928	ENST00000589717	56242	NM_021047	ZNF253
A_22_P00001057	7,04787	7,16975	-1,088151928	ENST00000479229	N/A	Z47263	N/A
A_32_P173058	10,2245	10,3464	-1,088167013	ENST00000528080	440026	NM_015012	TMEM41B
A_33_P3363061	8,73274	8,85471	-1,088219813	ENST00000397228	11160	NM_001003790	ERLIN2
A_23_P167509	1,66945	1,79145	-1,088242442	ENST00000541131	26999	NM_014376	CYFIP2
A_23_P77562	11,1502	11,2722	-1,088242442	ENST00000566848	124446	NM_194280	TMEM219

A_21_P0005542	5,59428	5,71629	-1,088249985	N/A	N/A	N/A	Inc-ACTR3C-1
A_24_P933908	1,62018	1,74226	-1,088302788	ENST00000409458	10457	BC011595	GPNMB
A_24_P402836	8,20899	8,33111	-1,088332963	ENST00000240499	7700	NM_003441	ZNF141
A_19_P00803086	8,44086	8,56299	-1,088340507	N/A	N/A	N/A	Inc-RPRML-3
A_23_P22263	12,9094	13,0316	-1,088393315	ENST00000355163	54971	NM_079837	BANP
A_22_P00004181	1,71314	1,83536	-1,088408403	ENST00000455028	N/A	N/A	N/A
A_21_P0011043	2,61128	2,73353	-1,088431036	ENST00000545069	N/A	XM_006719179	N/A
A_24_P307808	1,63485	1,75711	-1,088438581	ENST00000507359	57528	NM_020768	KCTD16
A_33_P3295066	16,3667	16,489	-1,088468759	N/A	222901	NR_026673	RPL23P8
A_22_P00013798	4,38517	4,50748	-1,088476304	N/A	101928433	XR_241982	LOC101928433
A_32_P170397	3,8227	3,94502	-1,088483848	N/A	N/A	AK057625	Inc-JMJD7-PLA2G4B-1
A_32_P751535	14,096	14,2184	-1,088544208	ENST00000440227	N/A	N/A	N/A
A_33_P3307223	1,62894	1,75139	-1,088581935	N/A	N/A	AK128215	N/A
A_33_P3353275	2,29246	2,41494	-1,088604572	N/A	N/A	N/A	N/A
A_22_P00010128	3,17698	3,29946	-1,088604572	N/A	101927907	NR_110284	LOC101927907
A_23_P71752	13,2321	13,3546	-1,088619663	ENST00000488164	7763	NM_006007	ZFAND5
A_33_P3409944	1,99264	2,11525	-1,088702669	ENST00000351050	2780	NM_005272	GNAT2
A_33_P3309271	7,71483	7,83746	-1,088717762	ENST00000397456	63915	NM_001199323	BLOC1S5
A_33_P3248973	4,20457	4,32722	-1,088732855	N/A	100034248	AK128820	LOC100034248
A_33_P3344204	7,45852	7,58118	-1,088740402	ENST00000283441	79844	NM_024786	ZDHC11
A_23_P159671	10,4639	10,5867	-1,088846059	ENST00000469485	5256	NM_000292	PHKA2
A_22_P00025307	1,63554	1,75834	-1,088846059	N/A	N/A	N/A	Inc-STAT3-1
A_22_P00018850	2,73098	2,8538	-1,088861153	ENST00000509950	101927207	NR_110805	LOC101927207
A_33_P3385561	11,9319	12,0548	-1,088921534	N/A	N/A	AK130932	N/A
A_23_P143935	9,76025	9,88318	-1,088944178	ENST00000412723	80235	NM_025163	PIGZ
A_32_P31992	10,7715	10,8946	-1,089072501	ENST00000439215	N/A	N/A	N/A
A_23_P147109	11,3354	11,4585	-1,089072501	ENST00000357503	54863	NM_017723	TOR4A
A_21_P0008548	1,44951	1,57265	-1,089102697	ENST00000554822	388011	N/A	LINC01550
A_33_P3311373	1,62436	1,74751	-1,089110247	N/A	100506747	NR_036557	LOC100506747
A_33_P3424295	6,72952	6,85275	-1,089170641	ENST00000414589	7186	NM_021138	TRAF2
A_19_P00318174	5,83364	5,95689	-1,08918574	ENST00000423704	100506014	XR_425355	LOC100506014
A_22_P00003797	8,32579	8,44904	-1,08918574	N/A	N/A	N/A	Inc-CDKAL1-1
A_33_P3316456	7,60989	7,73317	-1,08920839	ENST00000367553	80896	NM_001200050	NPL

A_24_P119813	1,68018	1,8035	-1,089238589	N/A	100131561	NR_024013	FKSG29
A_23_P17695	9,49667	9,62008	-1,089306542	ENST00000352133	54020	NM_018964	SLC37A1
A_21_P0007762	9,62645	9,7499	-1,089336744	ENST00000609228	51275	NR_015404	MAPKAPK5-AS1
A_33_P3408222	2,14963	2,27311	-1,089359397	N/A	N/A	N/A	N/A
A_33_P3234377	10,3864	10,5099	-1,089374498	N/A	N/A	N/A	N/A
A_23_P42004	1,76275	1,88632	-1,089427356	ENST00000330550	85413	NM_033125	SLC22A16
A_22_P00021804	1,64864	1,77222	-1,089434908	N/A	N/A	BU607998	Inc-ZNF217-3
A_23_P83736	10,407	10,5306	-1,089450011	ENST00000302327	3622	NM_001564	ING2
A_33_P3882624	9,6117	9,73531	-1,089457562	ENST00000608126	25913	NM_015450	POT1
A_23_P332509	9,42147	9,54509	-1,089465114	ENST00000485694	51594	NM_015909	NBAS
A_32_P126698	2,87491	2,99859	-1,089510424	ENST00000555872	90141	NM_001284269	EFCAB11
A_32_P50417	4,77098	4,8947	-1,089540632	N/A	N/A	AK092531	N/A
A_23_P44257	11,7839	11,9077	-1,089601051	ENST00000381571	54951	NM_017845	COMMD8
A_24_P397150	11,3406	11,4645	-1,089676579	ENST00000618573	2580	NM_005255	GAK
A_33_P3882659	12,0241	12,148	-1,089676579	ENST00000468766	N/A	AY956766	N/A
A_23_P2725	17,1835	17,3074	-1,089676579	ENST00000493317	6144	NM_000982	RPL21
A_33_P3422240	4,42566	4,54959	-1,089699238	ENST00000507531	57654	NM_020894	UVSSA
A_33_P3346338	4,10084	4,22479	-1,089714345	ENST00000518866	93594	NM_001145088	TBC1D31
A_24_P351304	9,23267	9,35669	-1,089767219	ENST00000442664	10989	NM_006839	IMMT
A_21_P0004561	1,7026	1,82663	-1,089774773	N/A	N/A	N/A	Inc-ZNF366-2
A_33_P3316661	1,6385	1,76256	-1,089797435	ENST00000547347	374470	NR_103526	C12orf42
A_22_P00013938	5,18541	5,30956	-1,089865422	ENST00000436359	N/A	XR_425283	N/A
A_22_P00018053	1,67492	1,79915	-1,089925859	N/A	N/A	N/A	Inc-ZNF286A-2
A_33_P3282291	6,8653	6,98956	-1,089948523	N/A	647662	AK097358	FLJ40039
A_23_P20606	10,5025	10,6268	-1,089978743	ENST00000374767	25934	NM_015469	NIPSNAP3A
A_23_P81973	11,1843	11,3086	-1,089978743	ENST00000461067	7923	NM_014234	HSD17B8
A_33_P3350196	2,29861	2,42299	-1,090039186	N/A	N/A	N/A	N/A
A_21_P0005405	1,43704	1,56149	-1,090092077	N/A	N/A	N/A	Inc-DYNC1I1-3
A_21_P0000858	1,81114	1,93561	-1,090107189	N/A	100506207	NR_038979	LOC100506207
A_32_P205553	12,3331	12,4576	-1,090129857	ENST00000602923	51121	NM_016093	RPL26L1
A_22_P00006583	6,05518	6,17974	-1,090175195	N/A	N/A	N/A	Inc-FMR1NB-1
A_33_P3252206	9,37037	9,49493	-1,090175195	ENST00000523116	23484	NM_001128208	LEPROTL1
A_23_P105519	12,3636	12,4882	-1,090205422	ENST00000567636	51729	NM_016312	WBP11



A_33_P3382849	5,01448	5,13917	-1,090273434	ENST00000527761	49	NM_001097	ACR
A_33_P3344574	8,92744	9,05217	-1,090303664	ENST00000372325	729238	NM_001098668	SFTPA2
A_21_P0013570	1,4492	1,57393	-1,090303664	N/A	N/A	N/A	XLOC_I2_014814
A_23_P150457	1,641	1,76576	-1,090326336	ENST00000438354	10894	NM_006691	LYVE1
A_33_P3223749	9,53159	9,65635	-1,090326336	ENST00000416199	9282	NM_004229	MED14
A_23_P94860	10,6658	10,7906	-1,090356567	ENST00000302174	53343	NM_024047	NUDT9
A_23_P164148	10,7823	10,9071	-1,090356567	ENST00000588320	6945	NM_170607	MLX
A_21_P0003273	1,62319	1,748	-1,090364124	N/A	N/A	N/A	Inc-HES1-2
A_33_P3345638	1,63624	1,76106	-1,090371682	N/A	N/A	N/A	N/A
A_24_P143843	5,36402	5,48887	-1,090394356	ENST00000342688	N/A	N/A	N/A
A_23_P90542	3,99736	4,12223	-1,090409472	ENST00000589285	163255	NM_152606	ZNF540
A_33_P3855484	1,68435	1,80922	-1,090409472	N/A	N/A	N/A	N/A
A_23_P321320	11,9463	12,0712	-1,090432147	ENST00000295641	114790	NM_052902	STK11IP
A_33_P3392004	2,54373	2,66864	-1,090439705	N/A	100129785	AK125285	LOC100129785
A_23_P87120	1,93414	2,05909	-1,090469939	ENST00000530327	N/A	N/A	N/A
A_33_P3376636	7,84532	7,97028	-1,090477498	ENST00000323060	80207	NM_001017989	OPA3
A_22_P00012194	5,47927	5,60432	-1,090545527	ENST00000521586	103021164	NR_117099	CASC21
A_22_P00002832	5,30165	5,42671	-1,090553087	N/A	N/A	AK127773	Inc-C2orf76-2
A_21_P0011498	5,32603	5,45112	-1,090575764	ENST00000498687	100506281	N/A	LOC100506281
A_33_P3409553	15,9307	16,0558	-1,090583324	ENST00000431782	N/A	N/A	N/A
A_24_P811704	9,71029	9,83541	-1,090598442	ENST00000545069	8496	NM_003622	PPFIBP1
A_33_P3346333	4,25335	4,37849	-1,090613561	N/A	N/A	N/A	N/A
A_33_P3217356	3,50936	3,63453	-1,09063624	ENST00000606738	388630	NM_001194986	TRABD2B
A_33_P3397658	8,00922	8,1344	-1,0906438	ENST00000394243	11346	N/A	SYNPO
A_21_P0010524	1,64207	1,76726	-1,09065136	N/A	N/A	N/A	XLOC_I2_000116
A_23_P211797	10,5107	10,6359	-1,09065892	ENST00000495261	4976	NM_130837	OPA1
A_23_P49009	11,0528	11,178	-1,09065892	ENST00000617710	254531	NM_153613	LPCAT4
A_22_P00019133	1,71864	1,8439	-1,09070428	ENST00000513859	N/A	N/A	N/A
A_22_P00002363	4,3511	4,47638	-1,0907194	N/A	N/A	N/A	Inc-C12orf48-1
A_33_P3375613	12,3077	12,433	-1,090734521	ENST00000520976	100533105	NM_001204173	C8orf44-SGK3
A_24_P167473	14,7607	14,886	-1,090734521	ENST00000467622	10094	NM_001278556	ARPC3
A_22_P00014723	4,063	4,18833	-1,090757202	N/A	100507308	NR_109982	TARID
A_32_P213881	1,62406	1,74941	-1,090772324	ENST00000400633	400831	NM_001009612	C2orf202

A_22_P00015416	1,68214	1,80749	-1,090772324	N/A	N/A	CD675892	Inc-SRSF2-2
A_33_P3319150	3,09627	3,22166	-1,090802567	N/A	101930426	XM_005276049	LOC101930426
A_24_P224776	11,625	11,7504	-1,090810128	ENST00000593829	25804	NM_012321	LSM4
A_33_P3271445	10,7389	10,8643	-1,090810128	ENST00000357457	10087	NM_001130105	COL4A3BP
A_22_P00003746	1,64827	1,77371	-1,090840372	ENST00000579862	N/A	BQ215975	N/A
A_33_P3261024	2,23684	2,3623	-1,090855494	N/A	N/A	N/A	N/A
A_24_P400376	13,5067	13,6322	-1,090885739	ENST00000395422	51142	NM_016139	CHCHD2
A_23_P135611	10,3833	10,5088	-1,090885739	ENST00000484831	55152	NM_018114	DALRD3
A_23_P141405	17,0487	17,1742	-1,090885739	ENST00000393183	4831	NM_002512	NME2
A_24_P394246	11,1807	11,3062	-1,090885739	ENST00000497863	51246	NM_016479	SHISA5
A_24_P62530	5,11195	5,23746	-1,090893301	ENST00000366691	58480	NM_021205	RHOU
A_21_P0011710	6,28837	6,41389	-1,090900862	N/A	N/A	N/A	XLOC_I2_006812
A_33_P3313704	4,26717	4,39271	-1,090915986	N/A	100128374	XR_112969	LOC100128374
A_23_P201047	9,55839	9,68395	-1,090931109	ENST00000469769	7059	NM_007112	THBS3
A_33_P3632937	12,0566	12,1822	-1,090961356	N/A	100131262	XR_132952	LOC100131262
A_21_P0014353	2,184	2,30965	-1,090999167	N/A	100506882	XR_109418	LOC100506882
A_21_P0009282	1,62937	1,75503	-1,091006729	N/A	N/A	N/A	Inc-TMEM235-1
A_19_P00318883	9,61287	9,73854	-1,091014291	ENST00000398043	100505854	NR_038361	APTR
A_23_P8906	6,75059	6,87627	-1,091021854	ENST00000424843	29967	NM_013437	LRP12
A_33_P3347976	8,8365	8,96222	-1,091052104	ENST00000261537	57534	NM_020774	MIB1
A_21_P0001490	1,52861	1,65435	-1,091067229	N/A	N/A	N/A	Inc-C1orf212-1
A_24_P248863	7,29663	7,42239	-1,091082355	ENST00000302874	29063	NM_024936	ZCCHC4
A_33_P3811287	9,9394	10,0652	-1,091112606	ENST00000488459	10075	NM_031407	HUWE1
A_33_P3334436	4,50059	4,62648	-1,091180676	ENST00000453616	N/A	N/A	N/A
A_22_P00012795	2,38845	2,51436	-1,091195803	ENST00000522365	103352670	NR_122034	LINC01419
A_24_P44514	13,3589	13,4849	-1,091263877	ENST00000612800	10519	NM_006384	CIB1
A_23_P171077	13,9384	14,0644	-1,091263877	ENST00000276096	10682	NM_006579	EBP
A_21_P0007999	1,43642	1,56245	-1,091286569	ENST00000432697	100874143	NR_046995	LINC00358
A_21_P0012469	1,4685	1,59456	-1,091309262	N/A	N/A	N/A	XLOC_I2_010448
A_33_P3370265	3,50442	3,63056	-1,091369779	N/A	N/A	N/A	Inc-SLC29A4-1
A_33_P3262470	3,77988	3,90603	-1,091377344	ENST00000493476	387923	AB464252	SERP2
A_21_P0009759	1,75977	1,88594	-1,091392474	N/A	N/A	N/A	Inc-TSHZ3-1
A_23_P122579	10,2288	10,355	-1,091415169	ENST00000622655	1616	NM_001350	DAXX

A_32_P150856	12,2069	12,3331	-1,091415169	ENST00000467614	407835	NR_002144	LOC407835
A_24_P737939	7,98799	8,11421	-1,091430299	ENST00000372441	221424	NM_001012974	LRRC73
A_33_P3222539	3,72491	3,85116	-1,091452995	N/A	N/A	DA751309	N/A
A_21_P0007667	2,52524	2,65149	-1,091452995	N/A	N/A	N/A	Inc-TMEM132C-5
A_24_P419132	5,4728	5,59907	-1,091468126	ENST00000372926	2491	NM_006733	CENPI
A_21_P0014839	7,37983	7,5061	-1,091468126	ENST00000487811	10617	N/A	STAMBP
A_33_P3289845	7,00721	7,13349	-1,091475691	ENST00000437936	374918	NM_198541	IGFL1
A_24_P148750	5,95835	6,08464	-1,091483257	ENST00000408919	9467	NM_004844	SH3BP5
A_21_P0013477	12,565	12,6913	-1,091490823	ENST00000425197	N/A	N/A	N/A
A_23_P128641	8,65329	8,77964	-1,091528651	ENST00000255304	10208	NM_005800	USPL1
A_33_P3670415	8,6608	8,78724	-1,091596747	ENST00000423729	339983	NM_178557	NAT8L
A_24_P136551	7,70962	7,83607	-1,091604313	ENST00000374747	55666	AB040932	NPLOC4
A_21_P0006184	1,75472	1,88121	-1,091634579	N/A	102724478	XR_426414	LOC102724478
A_33_P3386775	5,99064	6,11721	-1,091695114	ENST00000355638	4185	NM_002390	ADAM11
A_22_P00011417	7,45518	7,58181	-1,091740517	N/A	N/A	N/A	Inc-PAK2-1
A_23_P37994	3,60001	3,72669	-1,091778355	ENST00000564949	24150	NM_016212	TP53TG3
A_22_P00005049	5,19263	5,31933	-1,09179349	N/A	100874042	NR_046853	HM13-AS1
A_23_P106080	4,68954	4,81626	-1,091808626	ENST00000481538	84659	NM_032572	RNASE7
A_22_P00007660	4,49085	4,6176	-1,091831329	ENST00000517365	101927040	NR_110954	LOC101927040
A_21_P0002339	1,63241	1,75916	-1,091831329	N/A	N/A	N/A	Inc-CPO-1
A_21_P0000298	7,14429	7,27106	-1,091846466	N/A	319103	NR_002916	SNORD8
A_22_P00015312	4,96903	5,09587	-1,091899444	ENST00000442780	N/A	N/A	N/A
A_21_P0008124	1,68206	1,80893	-1,091922149	N/A	N/A	N/A	Inc-SPACA7-2
A_23_P257201	10,0168	10,1437	-1,091944855	ENST00000608991	81847	NM_030963	RNF146
A_22_P00002093	2,34319	2,47011	-1,091959993	N/A	N/A	N/A	Inc-BMP6-7
A_22_P00016580	1,67026	1,79725	-1,092012976	ENST00000624517	N/A	BC038781	N/A
A_23_P38784	1,78487	1,91186	-1,092012976	ENST00000317643	27036	NM_014385	SIGLEC7
A_23_P204751	10,3555	10,4825	-1,092020546	ENST00000228468	41	NM_020039	ASIC1
A_33_P3263841	6,93973	7,06678	-1,092058393	ENST00000324439	25898	NM_001278539	RCHY1
A_23_P356646	7,37702	7,50409	-1,092073532	ENST00000400754	100132288	NR_038327	TEKT4P2
A_33_P3292840	7,34129	7,46837	-1,092081102	N/A	79096	NM_001003678	C11orf49
A_23_P3663	13,9261	14,0532	-1,092096241	ENST00000615744	84331	NM_138418	FAM195A
A_23_P116694	18,2549	18,3821	-1,092171942	ENST00000548590	6231	NM_001029	RPS26

A_22_P00018466	5,25321	5,38043	-1,092187083	N/A	102725086	N/A	LOC102725086
A_22_P00009551	2,66926	2,79648	-1,092187083	N/A	N/A	N/A	Inc-MAP3K2-1
A_22_P00005102	1,71897	1,84624	-1,092224936	N/A	N/A	N/A	Inc-DHFR-2
A_24_P889720	17,5797	17,707	-1,092247649	ENST00000542416	7316	NM_021009	UBC
A_21_P0004575	3,97703	4,1044	-1,092300646	ENST00000519040	102546298	NR_105061	LOC102546298
A_21_P0007400	5,23557	5,36296	-1,092315789	N/A	N/A	N/A	Inc-IL18-1
A_32_P468341	2,14218	2,26964	-1,09236879	ENST00000476357	148345	NM_001170754	C1orf127
A_33_P3330209	2,44083	2,56842	-1,092467226	ENST00000403018	26053	NM_001127232	AUTS2
A_23_P124476	8,68584	8,81348	-1,092505089	ENST00000504131	1182	NM_173872	CLCN3
A_33_P3410011	1,65658	1,78422	-1,092505089	ENST00000493133	57326	NM_020524	PBXIP1
A_23_P365189	6,40858	6,5364	-1,092641406	ENST00000574442	23125	NM_015099	CAMTA2
A_22_P00010168	5,9638	6,09164	-1,092656553	N/A	100507291	NR_121609	LOC100507291
A_33_P3353630	3,7288	3,85672	-1,092717144	N/A	N/A	N/A	N/A
A_32_P357301	6,87308	7,00103	-1,092739867	ENST00000432191	51535	NM_016488	PPHLN1
A_22_P00001341	6,87925	7,00721	-1,092747441	ENST00000501122	693197	NR_030343	MIR612
A_24_P7085	13,9411	14,0691	-1,092777739	ENST00000488409	118432	NR_002778	RPL29P2
A_33_P3282836	18,0989	18,2269	-1,092777739	ENST00000417088	6234	NM_001031	RPS28
A_21_P0005280	1,38842	1,51643	-1,092785314	N/A	N/A	N/A	Inc-GNA12-2
A_33_P3336437	5,54789	5,67591	-1,092792888	ENST00000555422	23093	NM_015072	TTLL5
A_33_P3368540	7,97796	8,10603	-1,092830762	ENST00000490889	9901	XR_249341	SRGAP3
A_21_P0007928	5,11086	5,23893	-1,092830762	ENST00000431171	N/A	N/A	N/A
A_21_P0001470	5,91865	6,04673	-1,092838337	N/A	N/A	N/A	Inc-C1orf195-2
A_33_P3325866	5,25268	5,38078	-1,092853487	N/A	64839	BC063316	FBXL17
A_23_P54376	10,3938	10,5219	-1,092853487	ENST00000561480	9399	NM_004809	STOML1
A_33_P3374758	9,37551	9,50364	-1,092876213	ENST00000568180	1783	NM_006141	DYNC1LI2
A_33_P3211174	7,04918	7,17733	-1,092891363	ENST00000262971	51588	AK315530	PIAS4
A_22_P00017320	6,93828	7,06649	-1,092936816	ENST00000443946	339803	NR_036496	LOC339803
A_21_P0000712	1,64687	1,77509	-1,092944392	ENST00000414877	100551499	NR_038033	LINC00159
A_23_P61180	8,04442	8,17268	-1,092974695	ENST00000399012	55344	NM_018390	PLCXD1
A_23_P108932	8,70786	8,83612	-1,092974695	N/A	56969	NR_002229	RPL23AP32
A_21_P0002696	3,03893	3,1672	-1,092982271	N/A	N/A	N/A	Inc-AC131097.4.1-3
A_33_P3285734	1,51014	1,63843	-1,092997423	ENST00000392235	343413	NM_001284217	FCRL6
A_33_P3276927	7,11736	7,24566	-1,093004999	N/A	N/A	N/A	N/A

A_22_P00010241	5,68848	5,81683	-1,093042881	N/A	N/A	N/A	Inc-MTA3-3
A_22_P00005667	1,64137	1,76975	-1,09306561	ENST00000523110	N/A	N/A	N/A
A_23_P57379	11,9901	12,1185	-1,093080763	ENST00000493724	8318	NM_003504	CDC45
A_22_P00002109	1,66311	1,79157	-1,093126224	ENST00000523205	N/A	N/A	N/A
A_33_P7799182	2,55563	2,68409	-1,093126224	ENST00000505396	102467074	N/A	LINC01377
A_24_P879563	9,73121	9,85969	-1,093141378	N/A	220906	NR_033805	WAC-AS1
A_33_P3276748	2,5085	2,63699	-1,093148955	N/A	100128573	NR_024491	LOC100128573
A_22_P00013885	1,64634	1,77499	-1,093270196	ENST00000575126	N/A	N/A	N/A
A_21_P0011049	7,15605	7,28471	-1,093277774	N/A	N/A	N/A	XLOC_I2_003050
A_21_P0000382	5,79838	5,92707	-1,093300509	N/A	692111	NR_003059	SNORD71
A_21_P0008954	5,26133	5,39002	-1,093300509	N/A	N/A	N/A	Inc-SETD6-8
A_22_P00013559	1,61584	1,74461	-1,093361136	N/A	N/A	N/A	Inc-RP11-43D2.2.1-3
A_23_P55073	11,1243	11,2531	-1,093383872	ENST00000583108	25926	NM_015462	NOL11
A_33_P3380837	12,7924	12,9212	-1,093383872	ENST00000312371	155185	NM_133463	AMZ1
A_32_P47988	5,87162	6,00047	-1,093421766	ENST00000508738	817	NM_001221	CAMK2D
A_23_P159907	2,11473	2,24359	-1,093429345	ENST00000481193	81557	NM_030801	MAGED4B
A_23_P128067	18,5969	18,7258	-1,093459662	ENST00000552314	6171	NM_001035267	RPL41
A_23_P153098	11,4697	11,5986	-1,093459662	ENST00000588183	84064	NM_032124	HDHD2
A_23_P116587	4,32079	4,44983	-1,093565777	ENST00000529803	4975	NM_006189	OMP
A_33_P3395201	2,50768	2,63675	-1,093588517	ENST00000552958	N/A	DB026495	N/A
A_21_P0013687	4,32722	4,45635	-1,093633999	N/A	N/A	N/A	XLOC_I2_015410
A_22_P00001797	3,81877	3,94792	-1,093649161	ENST00000447570	101927476	NR_110386	LOC101927476
A_22_P00012589	7,74394	7,87317	-1,093709807	N/A	N/A	BC067356	Inc-PTPN23-1
A_21_P0010453	5,6004	5,72963	-1,093709807	N/A	N/A	N/A	Inc-C22orf26-2
A_21_P0005756	2,44608	2,57534	-1,09373255	N/A	N/A	N/A	Inc-NOV-1
A_23_P157580	12,4902	12,6195	-1,093762875	ENST00000413219	6386	NM_005625	SDCBP
A_32_P82623	6,25844	6,38777	-1,09378562	ENST00000494702	340351	NM_178563	AGBL3
A_21_P0003306	1,40274	1,53213	-1,09383111	N/A	N/A	N/A	Inc-DCUN1D1-6
A_23_P168092	1,61703	1,74644	-1,093846274	ENST00000383418	N/A	AJ245419	N/A
A_23_P364837	7,2052	7,33461	-1,093846274	ENST00000620676	55187	NM_015378	VPS13D
A_33_P3230017	9,25821	9,38763	-1,093853856	ENST00000462353	6791	NR_001587	AURKAPS1
A_22_P00001559	7,08877	7,2182	-1,093861438	N/A	N/A	BM464804	Inc-ARID4A-1
A_23_P32165	1,69141	1,82089	-1,093899349	ENST00000373615	9355	NM_004789	LHX2

A_33_P3265249	1,67306	1,80263	-1,093967592	N/A	N/A	N/A	N/A
A_22_P00003475	1,61627	1,74586	-1,093982758	N/A	N/A	BG201704	Inc-CCDC7-4
A_33_P3361584	5,5894	5,71901	-1,093997924	N/A	100130930	AK126579	LOC100130930
A_33_P3306085	2,85801	2,98767	-1,094035839	ENST00000399080	729475	NM_001099218	RAD51AP2
A_22_P00024700	1,70942	1,8391	-1,094051006	N/A	442497	N/A	LOC442497
A_22_P00014528	1,47379	1,60348	-1,094058589	N/A	N/A	N/A	Inc-SIGLEC16-1
A_33_P3351279	3,6134	3,74312	-1,09408134	ENST00000367282	9283	NM_004767	GPR37L1
A_33_P3398548	6,97101	7,1008	-1,094134426	ENST00000329281	8548	NM_003666	BLZF1
A_22_P00011447	1,67815	1,80799	-1,094172347	N/A	N/A	N/A	Inc-PANK3-9
A_33_P3256257	4,92053	5,05041	-1,094202684	ENST00000613957	100132476	NM_033061	KRTAP4-7
A_32_P159234	3,53571	3,6656	-1,094210269	ENST00000524591	57604	NM_020844	KIAA1456
A_33_P3313595	12,0257	12,1556	-1,094217853	ENST00000341028	984	NM_033487	CDK11B
A_24_P100190	6,69036	6,82026	-1,094217853	ENST00000441947	N/A	N/A	N/A
A_33_P3341329	11,8615	11,9914	-1,094217853	ENST00000266529	85437	NM_033114	ZCRB1
A_33_P3273173	5,64697	5,77692	-1,094255777	ENST00000489030	8237	NM_004651	USP11
A_19_P00805748	1,68284	1,81281	-1,094270946	ENST00000500117	N/A	N/A	N/A
A_24_P50368	3,35116	3,48114	-1,094278531	ENST00000560104	414899	NM_001001786	BLID
A_23_P74435	10,7232	10,8532	-1,094293701	ENST00000468913	79078	NM_024097	C1orf50
A_23_P64129	12,1041	12,2341	-1,094293701	ENST00000443524	10553	NM_006410	HTATIP2
A_22_P00014590	2,97937	3,10938	-1,094301286	N/A	N/A	N/A	Inc-SLC12A7-1
A_21_P0009873	10,3506	10,4807	-1,094369555	N/A	100505771	XR_109592	LOC100505771
A_21_P0011714	6,49136	6,62153	-1,094422655	ENST00000611751	79168	NM_024318	LILRA6
A_33_P3288649	10,2292	10,3594	-1,094445413	ENST00000613671	3206	NM_018951	HOXA10
A_23_P501996	13,4368	13,567	-1,094445413	ENST00000341698	7335	NM_001032288	UBE2V1
A_33_P3736691	6,14816	6,27838	-1,094460585	ENST00000261560	80264	NM_025189	ZNF430
A_33_P3407057	3,95119	4,08142	-1,094468172	N/A	N/A	N/A	N/A
A_33_P3405531	7,35909	7,48937	-1,094506104	ENST00000398559	7110	NM_007114	TMF1
A_33_P3298406	6,52085	6,65114	-1,09451369	ENST00000466840	375748	NM_001010895	ERCC6L2
A_21_P0007912	4,28829	4,41858	-1,09451369	N/A	101927224	N/A	LINC01049
A_21_P0008032	1,73591	1,86625	-1,094551624	N/A	N/A	N/A	Inc-SGCG-3
A_21_P0008423	1,65897	1,78933	-1,094566798	N/A	N/A	N/A	Inc-SLC25A21-2
A_21_P0012870	1,62688	1,75731	-1,094619908	N/A	N/A	N/A	XLOC_I2_011873
A_32_P204722	7,61909	7,74952	-1,094619908	N/A	N/A	N/A	N/A

A_22_P00008494	4,16415	4,29461	-1,09464267	ENST00000562112	256236	NR_002798	NAPSB
A_32_P101699	9,07951	9,20999	-1,094657845	N/A	729887	XR_243500	LOC729887
A_22_P00017671	4,41121	4,54169	-1,094657845	ENST00000534160	N/A	N/A	N/A
A_24_P918266	9,4416	9,57214	-1,094703371	ENST00000266712	160418	NM_181783	TMTC3
A_21_P0003716	2,79819	2,92876	-1,094726135	N/A	N/A	N/A	Inc-PPP2R2C-1
A_23_P96853	12,2603	12,3909	-1,0947489	ENST00000371778	11124	NM_007051	FAF1
A_22_P00010887	3,69642	3,82707	-1,094786842	N/A	N/A	N/A	Inc-NPDC1-2
A_22_P00016682	3,17261	3,30329	-1,094809607	N/A	N/A	N/A	Inc-TPR-1
A_22_P00000388	10,0434	10,1741	-1,094824785	ENST00000512517	101928776	NR_110951	LINC01258
A_33_P3312611	2,21353	2,34423	-1,094824785	N/A	643723	N/A	LYPLAL1-AS1
A_23_P24623	10,6381	10,7688	-1,094824785	ENST00000395934	26610	NM_019040	ELP4
A_33_P3226546	1,81166	1,94241	-1,094862729	N/A	N/A	N/A	N/A
A_33_P3299656	5,34083	5,47167	-1,094931032	ENST00000482855	6103	NM_000328	RPGR
A_33_P3234490	9,85394	9,98484	-1,09497657	ENST00000305321	654483	NM_001039182	BOLA2B
A_23_P133133	8,61789	8,74893	-1,095082833	ENST00000505127	80216	NM_025144	ALPK1
A_21_P0013345	2,71686	2,84796	-1,095128377	N/A	N/A	N/A	XLOC_I2_013963
A_33_P3335800	3,94944	4,08055	-1,095135968	N/A	100128219	AK095925	LOC100128219
A_33_P3255499	9,42335	9,5545	-1,095166332	N/A	92014	NR_024872	SLC25A51
A_22_P00008178	1,45409	1,58528	-1,095196696	N/A	N/A	DB049370	Inc-INPPL1-2
A_23_P254768	5,10491	5,2361	-1,095196696	N/A	54435	NR_002139	HCG4
A_23_P66158	10,4591	10,5903	-1,095204288	ENST00000219837	400506	NM_001012991	KNOP1
A_33_P3349444	10,8276	10,9588	-1,095204288	ENST00000402937	4668	NM_000262	NAGA
A_21_P0014766	4,5322	4,66341	-1,095211879	N/A	N/A	N/A	N/A
A_33_P3327888	3,58584	3,7171	-1,095249837	N/A	100507249	AF220264	C8orf17
A_23_P118493	10,4943	10,6256	-1,095280204	ENST00000575882	10040	NM_005486	TOM1L1
A_24_P157424	9,89829	10,0296	-1,095287796	ENST00000428425	22916	NM_007362	NCBP2
A_24_P36229	2,73353	2,86486	-1,09530298	ENST00000591182	1837	NM_001391	DTNA
A_33_P3409077	5,64817	5,77961	-1,095386496	ENST00000509492	221322	NM_152730	TBC1D32
A_21_P0012698	1,77997	1,91143	-1,095401681	N/A	N/A	N/A	XLOC_I2_011399
A_21_P0010066	1,75572	1,8872	-1,095416867	N/A	N/A	N/A	Inc-ANKRD60-1
A_24_P40907	8,33943	8,47091	-1,095416867	ENST00000381883	403313	NM_203453	PPAPDC2
A_23_P119222	2,63026	2,76174	-1,095416867	ENST00000221515	56729	NM_020415	RETN
A_21_P0013085	13,6271	13,7586	-1,095432053	N/A	N/A	N/A	XLOC_I2_013031

A_23_P8281	12,9123	13,0438	-1,095432053	ENST00000543628	3459	NM_000416	IFNGR1
A_23_P168864	7,43418	7,56573	-1,095470018	ENST00000394909	7564	NM_001029976	ZNF16
A_33_P3357620	8,77032	8,9019	-1,095492798	N/A	79447	NM_024516	PAGR1
A_21_P0011682	1,62454	1,75622	-1,095568735	N/A	N/A	N/A	XLOC_I2_006651
A_21_P0001573	1,58852	1,72024	-1,095599111	N/A	N/A	N/A	Inc-IGSF3-1
A_23_P132936	12,6309	12,7627	-1,095659865	ENST00000507678	60559	NM_021928	SPCS3
A_33_P3222139	8,44047	8,5723	-1,095682649	ENST00000578469	6720	NM_001005291	SREBF1
A_22_P00009193	2,62163	2,75349	-1,095705433	N/A	N/A	N/A	Inc-LPGAT1-2
A_33_P3673310	6,99238	7,12426	-1,095720623	N/A	N/A	N/A	N/A
A_24_P354715	11,4506	11,5825	-1,095735813	ENST00000257770	4907	NM_002526	NT5E
A_33_P3642217	2,19039	2,32229	-1,095735813	N/A	N/A	N/A	N/A
A_24_P408321	11,4192	11,5512	-1,095811766	ENST00000358053	9885	NM_144498	OSBPL2
A_21_P0001868	1,60607	1,73812	-1,095849745	N/A	N/A	N/A	Inc-ACTR2-3
A_22_P00025312	2,02122	2,15338	-1,095933303	N/A	N/A	N/A	Inc-KBTBD3-1
A_23_P70148	9,84072	9,97289	-1,095940899	ENST00000503059	23530	NM_182977	NNT
A_33_P3222977	2,7884	2,92059	-1,095956092	ENST00000283025	146279	NM_144674	TEKT5
A_23_P78734	10,1826	10,3148	-1,095963689	ENST00000595016	79784	NM_001077186	MYH14
A_33_P3210702	14,2613	14,3935	-1,095963689	ENST00000506742	N/A	N/A	N/A
A_23_P19322	8,65933	8,79153	-1,095963689	ENST00000229903	55776	NM_018322	SAYSD1
A_33_P3221971	6,68355	6,81582	-1,096016867	ENST00000329600	390637	NM_001013657	GDPGP1
A_21_P0013968	4,9176	5,04989	-1,096032061	N/A	100507656	XM_003119675	LOC100507656
A_21_P0003722	6,00849	6,14079	-1,096039658	N/A	N/A	N/A	Inc-RAB28-4
A_21_P0008652	2,9393	3,07165	-1,096077644	N/A	N/A	N/A	Inc-THSD4-1
A_24_P823684	11,9526	12,085	-1,096115632	ENST00000505987	3326	NM_007355	HSP90AB1
A_22_P00015283	1,39246	1,52486	-1,096115632	N/A	N/A	N/A	Inc-SPATA5-1
A_24_P29595	7,7279	7,86032	-1,096130828	ENST00000321680	134957	NM_139244	STXBP5
A_21_P0008944	1,64575	1,77822	-1,096168817	N/A	N/A	N/A	Inc-CHD9-5
A_33_P3350583	5,90603	6,03851	-1,096176415	ENST00000370784	159091	NM_138819	FAM122C
A_24_P94402	1,68921	1,82178	-1,096244801	ENST00000281043	4613	NM_005378	MYCN
A_33_P3247919	4,32482	4,45739	-1,096244801	N/A	N/A	N/A	N/A
A_23_P3643	5,9411	6,07368	-1,096252399	ENST00000613572	1775	NM_001374	DNASE1L2
A_21_P0014481	1,66388	1,79647	-1,096259998	N/A	N/A	BC128230	N/A
A_23_P161488	11,8795	12,0121	-1,096267597	ENST00000369087	7073	NM_001033925	TIAL1



A_23_P84448	12,0364	12,169	-1,096267597	ENST00000498660	7277	NM_006000	TUBA4A
A_33_P3262351	3,65784	3,79045	-1,096275195	ENST00000399810	134121	NM_001089584	C5orf49
A_21_P0003203	1,44389	1,5765	-1,096275195	N/A	N/A	N/A	Inc-FGF12-2
A_23_P163209	6,562	6,69464	-1,096297992	ENST00000260442	10017	NM_020396	BCL2L10
A_33_P3341901	11,736	11,8687	-1,096343587	ENST00000375151	90121	NM_058163	TSR2
A_21_P0014729	10,5814	10,7141	-1,096343587	N/A	84820	BC017341	POLR2J4
A_23_P46222	6,0255	6,15825	-1,096381584	ENST00000368385	80128	NM_001282379	TRIM46
A_33_P3222565	6,91607	7,04883	-1,096389183	ENST00000372156	81619	NM_030927	TSPAN14
A_23_P89073	7,80119	7,93396	-1,096396783	ENST00000539742	7571	NM_145911	ZNF23
A_22_P00023876	1,66146	1,79425	-1,096411982	ENST00000541885	N/A	BF690662	N/A
A_33_P3255304	3,28191	3,41472	-1,096427182	ENST00000327365	2687	NM_001099781	GGT5
A_33_P3350688	1,66187	1,79468	-1,096427182	N/A	N/A	N/A	Inc-FRMD4B-2
A_24_P129588	4,76288	4,8957	-1,096434782	ENST00000371483	338557	NM_181745	FFAR4
A_22_P00023557	6,92906	7,06194	-1,096480382	ENST00000450290	N/A	N/A	N/A
A_33_P3289218	7,64094	7,77389	-1,096533585	ENST00000339092	22848	NM_014911	AAK1
A_33_P3350726	9,70928	9,84225	-1,096548786	ENST00000396999	5468	NM_138711	PPARG
A_22_P00004806	3,10722	3,24023	-1,096579189	ENST00000416204	102723927	NR_110592	LOC102723927
A_22_P00009373	3,18742	3,32044	-1,09658679	N/A	100874370	NR_046769	CACNA1C-IT3
A_33_P3220853	3,93742	4,07046	-1,096601992	N/A	N/A	N/A	XLOC_I2_007738
A_22_P00018238	2,96425	3,09732	-1,096624796	N/A	N/A	N/A	Inc-ZNF687-1
A_23_P38011	9,24425	9,37733	-1,096632397	ENST00000564622	9785	NM_014003	DHX38
A_24_P109176	1,37155	1,50465	-1,0966476	ENST00000462655	340152	NM_207360	ZC3H12D
A_21_P0010461	4,90771	5,04084	-1,096670404	N/A	101928824	XR_244407	LOC101928824
A_23_P30069	9,03892	9,17207	-1,096685607	ENST00000511577	91351	NM_001012967	DDX60L
A_23_P166716	12,6169	12,7501	-1,096723616	ENST00000309922	54931	NM_017819	TRMT10C
A_23_P31444	1,68431	1,81751	-1,096723616	ENST00000493463	30816	NM_014590	ERVW-1
A_24_P336957	10,1396	10,2728	-1,096723616	ENST00000484881	27429	NM_145074	HTRA2
A_23_P34852	4,60087	4,73408	-1,096731218	ENST00000483406	11330	NM_007272	CTRC
A_23_P56298	5,9237	6,05697	-1,096776831	ENST00000261560	80264	NM_025189	ZNF430
A_33_P3407780	11,8465	11,9798	-1,096799638	ENST00000263212	9647	NM_014634	PPM1F
A_23_P66732	5,98578	6,1191	-1,096814843	ENST00000325418	83903	NM_031965	GSG2
A_21_P0006423	1,66113	1,79449	-1,096845254	N/A	N/A	N/A	Inc-FAAH2-3
A_22_P00015108	4,02653	4,15989	-1,096845254	ENST00000455071	101928820	XR_241868	LOC101928820

A_23_P302060	1,96685	2,10023	-1,096860459	ENST00000448696	338376	NM_176891	IFNE
A_21_P0002593	1,48785	1,62128	-1,096898474	N/A	N/A	N/A	Inc-AC018682.6.1-1
A_33_P3419339	8,45503	8,58848	-1,09691368	ENST00000369851	2773	NM_006496	GNAI3
A_22_P00023631	1,61007	1,74352	-1,09691368	N/A	N/A	BX647249	Inc-ZNF667-2
A_23_P420610	6,88371	7,01723	-1,096966904	ENST00000287761	115548	NM_138782	FCHO2
A_33_P3348204	3,83946	3,97305	-1,097020131	ENST00000408897	152756	NM_153027	FAM218A
A_21_P0002927	1,67373	1,80735	-1,097042943	N/A	N/A	N/A	Inc-CHL1-1
A_22_P00012611	1,70982	1,84349	-1,097080964	N/A	N/A	BX113107	Inc-PTPRU-1
A_23_P144096	7,94031	8,07401	-1,097103778	ENST00000348721	1154	NM_145071	CISH
A_33_P3335030	7,43012	7,56382	-1,097103778	ENST00000620383	375248	NM_001164315	ANKRD36
A_23_P166	10,2715	10,4052	-1,097103778	ENST00000371940	148932	NM_145279	MOB3C
A_21_P0014241	1,37318	1,5069	-1,097118987	ENST00000478815	N/A	AK055759	N/A
A_33_P3632866	2,35882	2,4926	-1,097164616	ENST00000371957	169436	NM_153710	STKLD1
A_24_P241330	10,6597	10,7935	-1,097179826	ENST00000393514	79882	NM_024824	ZC3H14
A_24_P43826	1,70931	1,84311	-1,097179826	ENST00000535548	64641	NM_022659	EBF2
A_22_P00003468	1,72396	1,85777	-1,097187431	ENST00000531846	N/A	CR745539	N/A
A_23_P30307	8,61049	8,74436	-1,097233062	ENST00000420343	9443	NM_004270	MED7
A_22_P00017033	5,4251	5,55908	-1,097316725	N/A	N/A	XM_006716967	Inc-TTLL11-1
A_23_P54891	10,9043	11,0383	-1,097331938	ENST00000430477	64755	NM_022744	C16orf58
A_23_P33759	15,2853	15,4193	-1,097331938	ENST00000616661	9249	NM_004753	DHRS3
A_19_P00323609	3,78285	3,91689	-1,097362363	N/A	N/A	N/A	Inc-PROC-2
A_33_P3309832	1,62714	1,76118	-1,097362363	ENST00000369310	79949	NM_182601	PLEKHS1
A_22_P00024075	5,32574	5,45985	-1,097415608	ENST00000512036	N/A	N/A	N/A
A_22_P00014694	10,6284	10,7626	-1,097484071	ENST00000359232	123096	NM_001291813	SLC25A29
A_22_P00002164	3,12252	3,25678	-1,097529715	N/A	100874353	NR_046793	RPS6KA2-IT1
A_21_P0012441	4,00056	4,13484	-1,09754493	N/A	9881	XM_006713432	TRANK1
A_33_P3407195	10,7228	10,8571	-1,097560145	ENST00000040738	259282	NM_148894	BOD1L1
A_21_P0009401	1,36187	1,49618	-1,097567753	N/A	N/A	N/A	Inc-ANKFY1-1
A_22_P00007250	1,92273	2,05706	-1,097582968	ENST00000376678	116437	NR_026670	LINC01257
A_33_P3406636	5,88383	6,01817	-1,097590576	ENST00000512132	643836	NM_152283	ZFP62
A_33_P3359344	10,3284	10,4628	-1,097636225	ENST00000487186	199990	NM_182533	C1orf86
A_23_P97442	11,1211	11,2556	-1,09771231	ENST00000471456	84065	NM_032125	TMEM222
A_22_P00004633	6,01462	6,14917	-1,097750354	ENST00000414483	N/A	N/A	N/A

A_22_P00005112	6,20289	6,33744	-1,097750354	N/A	N/A	N/A	Inc-DHRS7B-3
A_22_P00020625	1,71423	1,84878	-1,097750354	ENST00000566562	N/A	BX116282	N/A
A_23_P127394	10,1968	10,3314	-1,0977884	ENST00000443527	1408	NM_021117	CRY2
A_33_P3223472	13,0246	13,1592	-1,0977884	ENST00000577866	51321	NM_016627	AMZ2
A_22_P00003532	3,3712	3,50589	-1,097856886	ENST00000536141	N/A	N/A	N/A
A_23_P60240	10,8906	11,0253	-1,097864496	ENST00000491687	84720	NM_032634	PIGO
A_23_P9135	8,05457	8,18929	-1,097879715	ENST00000377561	79937	NM_033655	CNTNAP3
A_22_P00012264	1,62924	1,76396	-1,097879715	ENST00000521298	N/A	N/A	N/A
A_23_P8482	11,4995	11,6343	-1,097940596	ENST00000425198	989	NM_001011553	set-07
A_21_P0003975	2,12267	2,25753	-1,097986259	ENST00000503267	102723526	XR_425842	LOC102723526
A_23_P102109	13,0727	13,2076	-1,098016702	ENST00000486997	7277	NM_006000	TUBA4A
A_22_P00019317	7,09994	7,23488	-1,098047146	N/A	N/A	N/A	Inc-NMNAT3-3
A_33_P3217437	6,57125	6,70624	-1,098085202	N/A	163351	NM_198460	GBP6
A_22_P00000536	3,14711	3,28212	-1,098100425	ENST00000560140	102724779	N/A	LOC102724779
A_23_P423309	1,60803	1,74305	-1,098108037	ENST00000231484	51294	NM_016580	PCDH12
A_22_P00009202	1,60921	1,74434	-1,098191766	ENST00000507857	N/A	N/A	N/A
A_32_P133670	9,01377	9,14891	-1,098199379	ENST00000559548	8125	NM_006305	ANP32A
A_33_P3397288	4,23806	4,37321	-1,098206991	ENST00000395654	1908	NM_207032	EDN3
A_33_P3250273	1,64407	1,77925	-1,098229828	ENST00000512854	N/A	N/A	N/A
A_22_P00012693	5,32677	5,462	-1,09826789	ENST00000452252	63877	XR_428712	FAM204A
A_22_P00013557	1,47609	1,61135	-1,098290728	ENST00000511631	N/A	N/A	N/A
A_22_P00007949	1,62527	1,76057	-1,09832118	N/A	N/A	BG207970	Inc-IBTK-3
A_23_P149259	9,75164	9,88696	-1,098336406	ENST00000495881	84283	NM_032323	TMEM79
A_23_P318989	1,94163	2,07696	-1,098344019	ENST00000524279	115795	NM_173472	FANCD2OS
A_22_P00001836	5,21425	5,34964	-1,098389698	ENST00000559246	N/A	N/A	N/A
A_33_P3354847	1,48443	1,61982	-1,098389698	ENST00000343036	389799	NM_207417	C9orf171
A_24_P48204	8,89444	9,02983	-1,098389698	ENST00000269389	6398	NM_003004	SECTM1
A_23_P150950	11,2262	11,3616	-1,098397312	ENST00000552994	196441	NM_144982	ZFC3H1
A_23_P253412	12,5354	12,6708	-1,098397312	ENST00000374865	54534	NM_019051	MRPL50
A_21_P0011765	2,95106	3,0865	-1,098427766	N/A	N/A	N/A	XLOC_I2_007135
A_19_P00319404	4,80865	4,94411	-1,098442994	ENST00000426635	79940	NR_121612	LINC00472
A_22_P00009784	1,6653	1,80078	-1,098458222	ENST00000509265	645323	NR_024384	LINC00461
A_24_P282043	7,93429	8,06987	-1,098534364	ENST00000457749	7576	NM_006969	ZNF28

A_22_P00012901	4,8712	5,00679	-1,098541978	ENST00000430749	23354	NM_015302	HAUS5
A_33_P3277447	7,76498	7,9006	-1,098564822	ENST00000286298	1836	NM_000112	SLC26A2
A_23_P86411	3,48903	3,62469	-1,098595281	ENST00000619592	53904	NM_017433	MYO3A
A_33_P3284711	3,83435	3,97003	-1,098610511	N/A	283932	NR_024348	FBXL19-AS1
A_23_P66402	10,2004	10,3361	-1,098625741	ENST00000268711	55090	NM_018019	MED9
A_22_P00019433	5,89525	6,03102	-1,098679048	N/A	N/A	BX649099	Inc-SLC16A3-5
A_33_P3333603	4,23981	4,37558	-1,098679048	ENST00000381280	64093	NM_022137	SMOC1
A_22_P00024043	7,48287	7,61866	-1,098694279	ENST00000620428	8694	NM_012079	DGAT1
A_21_P0003858	3,70599	3,84179	-1,098701895	N/A	N/A	N/A	Inc-CLCN3-1
A_24_P239731	13,0661	13,202	-1,098778053	ENST00000371711	9334	NM_004776	B4GALT5
A_21_P0014477	4,509	4,6449	-1,098778053	N/A	N/A	N/A	N/A
A_33_P3325280	11,3048	11,4407	-1,098778053	ENST00000427415	255812	N/A	SDHAP1
A_21_P0002458	3,81916	3,95507	-1,09878567	N/A	N/A	N/A	Inc-CD207-1
A_23_P206612	9,69181	9,82774	-1,098800902	ENST00000219689	57478	NM_020718	USP31
A_33_P3325068	7,51626	7,6522	-1,098808518	ENST00000529937	23410	AK074992	SIRT3
A_33_P3236734	3,34134	3,47731	-1,098831368	ENST00000547437	388512	NM_001204118	CLEC17A
A_23_P15073	9,64343	9,77943	-1,098854218	ENST00000563088	339123	NM_001005920	JMJD8
A_23_P113417	9,21575	9,35175	-1,098854218	ENST00000443656	80233	NM_025161	C17orf70
A_23_P58967	12,9873	13,1233	-1,098854218	ENST00000495527	9877	NM_014827	ZC3H11A
A_23_P46455	9,60449	9,7405	-1,098861834	ENST00000263697	22826	NM_014280	DNAJC8
A_22_P00016425	3,63305	3,7691	-1,098892302	N/A	N/A	BC050301	Inc-TMEM30B-1
A_23_P168080	9,25883	9,39488	-1,098892302	ENST00000464293	6499	NM_006929	SKIV2L
A_22_P00012925	4,15175	4,28783	-1,098915153	ENST00000452288	N/A	N/A	N/A
A_24_P206736	8,52358	8,65967	-1,09892277	ENST00000532305	7702	NM_003442	ZNF143
A_22_P00000531	1,92227	2,05841	-1,098960856	ENST00000424383	392617	NM_001128636	ELFN1
A_21_P0011888	4,7135	4,84966	-1,098976091	N/A	101927187	XR_241443	LOC101927187
A_24_P118260	4,17492	4,3111	-1,098991326	ENST00000312710	N/A	N/A	N/A
A_33_P3349045	6,30747	6,44366	-1,098998944	ENST00000565696	3566	NM_001257407	IL4R
A_21_P0003931	1,376	1,51227	-1,099059887	ENST00000505254	728264	N/A	MIR143HG
A_33_P3236628	1,38758	1,52387	-1,099075123	ENST00000595085	593	AL833143	BCKDHA
A_21_P0005612	2,26779	2,40413	-1,099113215	N/A	N/A	N/A	Inc-AC099552.4.1-2
A_33_P3323068	5,24838	5,38482	-1,099189402	ENST00000366905	56895	NM_020133	AGPAT4
A_33_P3226678	5,26863	5,40515	-1,099250356	ENST00000583797	645027	NM_001145127	EVPLL

A_23_P500130	9,73854	9,87511	-1,099288454	ENST00000382289	23189	NM_153186	KANK1
A_33_P3354728	6,42326	6,55992	-1,099357033	ENST00000484315	N/A	N/A	N/A
A_22_P00013777	1,60094	1,73761	-1,099364653	ENST00000533992	N/A	N/A	N/A
A_32_P8925	1,55311	1,68978	-1,099364653	ENST00000308105	200159	NM_001012970	C1orf100
A_23_P418431	2,33614	2,47282	-1,099372274	ENST00000369570	63914	NR_026784	C6orf164
A_33_P3210059	10,0698	10,2065	-1,099387514	ENST00000215793	10291	NM_005877	SF3A1
A_24_P326739	7,47343	7,61015	-1,099402755	ENST00000486433	27165	NM_013267	GLS2
A_33_P3352544	10,6788	10,8156	-1,099463721	ENST00000486165	10005	NM_005469	ACOT8
A_33_P3386132	9,0309	9,1677	-1,099463721	ENST00000258457	79074	NM_024093	C2orf49
A_33_P3361027	12,4135	12,5503	-1,099463721	ENST00000405938	24144	NM_001008697	TFIP11
A_21_P0000532	1,5368	1,67362	-1,099478963	ENST00000436742	149047	NR_027310	MGC27382
A_21_P0005131	2,13953	2,27638	-1,099501826	N/A	N/A	N/A	Inc-TRMT11-1
A_22_P00016466	1,66142	1,79828	-1,099509447	N/A	101927413	XR_242419	LOC101927413
A_22_P00018346	12,3594	12,4963	-1,099539932	N/A	100507458	XR_243341	ZNF213-AS1
A_33_P3225983	8,07058	8,20753	-1,09957804	N/A	N/A	N/A	N/A
A_23_P169117	12,2277	12,3647	-1,099616149	ENST00000380527	10670	NM_006570	RRAGA
A_33_P3403429	3,17096	3,30796	-1,099616149	ENST00000520099	100130742	NM_001129890	LRRC69
A_33_P3236651	12,7067	12,8437	-1,099616149	ENST00000397981	5609	NM_001297555	MAP2K7
A_21_P0013440	5,91812	6,05518	-1,099661882	ENST00000449307	102725415	N/A	LOC102725415
A_23_P138631	12,4709	12,608	-1,099692372	ENST00000424783	9126	NM_005445	SMC3
A_33_P3369190	9,79102	9,92819	-1,09974573	ENST00000515456	5066	NM_001177306	PAM
A_22_P00017344	1,96794	2,10518	-1,099799092	N/A	N/A	N/A	Inc-USP50-1
A_22_P00025341	1,7029	1,84019	-1,099837208	N/A	N/A	N/A	Inc-MAPK6-6
A_32_P162150	8,56539	8,70268	-1,099837208	ENST00000378930	257397	NM_152787	TAB3
A_33_P3210203	12,1965	12,3338	-1,099844832	ENST00000378247	84501	NM_032451	SPIRE2
A_33_P3247068	1,97297	2,1103	-1,099867703	N/A	N/A	N/A	N/A
A_33_P3390264	1,68417	1,82152	-1,09988295	ENST00000395079	81341	NM_207374	OR10W1
A_33_P3380196	3,01531	3,15267	-1,099890574	N/A	10142	BC015533	AKAP9
A_23_P127697	2,41474	2,55214	-1,09992107	ENST00000527596	N/A	AB529247	N/A
A_33_P3289192	11,0464	11,1838	-1,09992107	ENST00000367826	10767	NM_006620	HBS1L
A_21_P0006853	1,68335	1,82076	-1,099928694	ENST00000420945	646034	XR_432557	LOC646034
A_23_P137139	1,8076	1,94506	-1,099966815	ENST00000488970	695	NM_000061	BTK
A_33_P3282202	3,36119	3,49866	-1,09997444	N/A	N/A	AK124041	N/A

A_21_P0000631	1,73641	1,87391	-1,099997313	ENST00000531091	643733	NR_034079	LOC643733
A_32_P144220	14,1301	14,2676	-1,099997313	ENST00000569826	N/A	N/A	N/A
A_23_P7313	12,5586	12,6961	-1,099997313	ENST00000360804	6696	NM_001040058	SPP1
A_23_P92614	7,70743	7,84493	-1,099997313	ENST00000295488	113510	NM_133636	HELQ
A_22_P00000379	6,95438	7,09193	-1,100035437	ENST00000565686	101929408	AK123063	LOC101929408
A_21_P0004465	1,77649	1,91408	-1,100065937	N/A	N/A	N/A	Inc-SLIT3-1
A_21_P0010519	6,72394	6,86156	-1,100088812	ENST00000497359	4485	N/A	MST1
A_24_P841677	5,32322	5,4609	-1,100134565	ENST00000379687	256643	NM_198279	CXorf23
A_33_P3358977	9,98451	10,1222	-1,10014219	ENST00000308418	84153	NM_032193	RNASEH2C
A_23_P26649	12,1528	12,2905	-1,100149816	ENST00000572391	57407	NM_020677	NMRAL1
A_23_P81484	1,56091	1,69862	-1,100157442	N/A	353189	AF119865	SLCO4C1
A_22_P00025389	3,52697	3,66476	-1,100218449	N/A	101927800	XR_242846	LOC101927800
A_23_P73667	5,26687	5,40467	-1,100226075	ENST00000375327	158787	NM_001031745	RIBC1
A_22_P00011606	3,01847	3,15629	-1,100241328	ENST00000519038	N/A	N/A	N/A
A_32_P163089	9,14855	9,28648	-1,10032522	ENST00000548458	387882	NM_001145199	C12orf75
A_21_P0004308	3,43143	3,56936	-1,10032522	N/A	N/A	N/A	Inc-NDFIP1-1
A_22_P00002740	7,92738	8,06531	-1,10032522	ENST00000339818	755	NM_001271441	C21orf2
A_21_P0001044	1,95017	2,08815	-1,100363355	ENST00000420807	101929184	N/A	LINC01031
A_33_P3321602	7,21486	7,35287	-1,100386237	ENST00000493669	65979	XM_006710850	PHACTR4
A_23_P66110	9,78533	9,92341	-1,100439629	ENST00000569930	7249	NM_000548	TSC2
A_23_P206022	5,36296	5,50106	-1,100454884	ENST00000315757	22801	NM_001004439	ITGA11
A_22_P00008688	2,00446	2,14256	-1,100454884	N/A	N/A	N/A	Inc-KIAA1147-2
A_23_P406350	10,0193	10,1574	-1,100454884	ENST00000301327	113655	NM_138431	MFSD3
A_23_P335039	9,7695	9,90767	-1,10050828	ENST00000338977	170960	NM_133474	ZNF721
A_24_P216313	13,5566	13,6948	-1,100531165	ENST00000461043	51614	NM_015966	ERGIC3
A_23_P22761	3,83795	3,97618	-1,10055405	ENST00000334060	6473	NM_006883	SHOX
A_23_P118353	9,92014	10,0584	-1,100576936	ENST00000586859	6730	NM_014230	SRP68
A_21_P0004889	2,0746	2,21288	-1,100592193	N/A	N/A	N/A	Inc-OPN5-1
A_23_P385771	11,0374	11,1757	-1,10060745	ENST00000357296	196743	NM_152911	PAOX
A_33_P3309175	3,05509	3,19339	-1,10060745	ENST00000409797	64857	NM_022835	PLEKHG2
A_21_P0003320	4,05093	4,18926	-1,100630337	ENST00000499452	100996286	NR_121627	LOC100996286
A_19_P00319532	4,51038	4,64872	-1,100637966	ENST00000453213	100506190	N/A	LINC00963
A_33_P3287310	7,86276	8,00114	-1,100668483	N/A	N/A	N/A	N/A

A_33_P3349552	13,4702	13,6086	-1,100683741	ENST00000343516	57524	NM_020764	CASKIN1
A_23_P406330	7,63507	7,77347	-1,100683741	ENST00000614549	64744	NM_022733	SMAP2
A_33_P3336627	1,62444	1,76287	-1,10070663	ENST00000375024	219870	NM_001001953	OR10G9
A_22_P00006381	7,59299	7,73144	-1,100721889	ENST00000514409	N/A	XR_425882	N/A
A_33_P3316928	10,818	10,9565	-1,100760038	ENST00000358912	57162	NM_020651	PELI1
A_23_P401904	13,2397	13,3782	-1,100760038	ENST00000312189	26147	NM_001009936	PHF19
A_33_P3264121	14,5452	14,6838	-1,100836339	ENST00000518218	6902	NM_004607	TBCA
A_23_P370569	6,996	7,13462	-1,1008516	ENST00000398055	144577	NM_152440	C12orf66
A_23_P202658	18,0685	18,2072	-1,100912646	ENST00000494593	2950	NM_000852	GSTP1
A_23_P130653	7,84922	7,98799	-1,100966064	ENST00000458671	83546	NM_031429	RTBDN
A_33_P3278220	10,5741	10,7129	-1,100988958	ENST00000373544	10244	AL832249	RABEPK
A_24_P98613	10,663	10,8018	-1,100988958	ENST00000616406	81619	NM_030927	TSPAN14
A_23_P60296	12,0582	12,197	-1,100988958	ENST00000346234	26578	NM_012383	OSTF1
A_33_P3321632	4,57551	4,71433	-1,101004221	N/A	N/A	N/A	N/A
A_33_P3239195	9,85448	9,99335	-1,10104238	ENST00000415184	N/A	N/A	N/A
A_21_P0012148	7,57702	7,71595	-1,101088172	N/A	N/A	N/A	XLOC_I2_008632
A_33_P3405269	1,72654	1,86565	-1,101225559	ENST00000290374	57369	NM_020660	GJD2
A_33_P3315719	7,72611	7,86523	-1,101233192	ENST00000405000	130271	NM_172069	PLEKHH2
A_21_P0012058	5,0974	5,2366	-1,101294259	N/A	100874343	N/A	HS1BP3-IT1
A_23_P91657	10,3325	10,4717	-1,101294259	ENST00000406548	2130	NM_013986	EWSR1
A_21_P0003420	1,6526	1,79181	-1,101301893	ENST00000515232	N/A	N/A	N/A
A_33_P3386414	1,91885	2,05809	-1,101324794	ENST00000319675	138009	NM_152418	DCAF4L2
A_33_P3255404	3,65931	3,79859	-1,10135533	ENST00000064724	5010	NM_005602	CLDN11
A_22_P00022693	10,5215	10,6608	-1,101370598	ENST00000515682	54436	NM_018986	SH3TC1
A_22_P00002900	7,30367	7,44301	-1,101401135	N/A	92070	NR_033339	CTBP1-AS2
A_33_P3441021	1,68124	1,8206	-1,101416404	ENST00000453450	387890	NM_001136534	TMEM233
A_21_P0004348	1,47724	1,61661	-1,101424038	N/A	N/A	N/A	Inc-SLC9A3-1
A_33_P3354061	3,98955	4,12894	-1,101439307	N/A	N/A	N/A	N/A
A_19_P00320229	5,76294	5,90237	-1,101469846	N/A	441172	NR_033896	FLJ46906
A_21_P0010205	4,7412	4,88087	-1,101653097	ENST00000411989	400866	N/A	LINC00114
A_21_P0006865	1,64725	1,78692	-1,101653097	ENST00000431737	100506835	NR_038268	LINC00840
A_33_P3283515	6,69974	6,83941	-1,101653097	ENST00000397559	23037	XM_006714456	PDZD2
A_23_P136635	10,6479	10,7876	-1,101676005	ENST00000255194	8546	NM_003664	AP3B1

A_33_P3295283	14,9348	15,0745	-1,101676005	ENST00000535479	10162	NM_005768	LPCAT3
A_21_P0008247	2,44015	2,57987	-1,101691278	N/A	N/A	N/A	Inc-USP12-5
A_22_P00022141	6,70807	6,84781	-1,10170655	N/A	N/A	N/A	Inc-TLCD2-2
A_21_P0005515	1,69301	1,83278	-1,10172946	N/A	N/A	N/A	Inc-AC092031.1-1
A_23_P372334	12,5551	12,6949	-1,10175237	ENST00000604367	151903	NM_144716	CCDC12
A_21_P0009515	3,95369	4,0935	-1,101760007	ENST00000558690	N/A	N/A	N/A
A_33_P3396469	2,76191	2,90174	-1,101775281	N/A	N/A	N/A	N/A
A_23_P28090	9,29419	9,43404	-1,101790554	ENST00000440593	8677	NM_003765	STX10
A_24_P662366	7,35016	7,49002	-1,101798192	N/A	N/A	N/A	N/A
A_23_P206759	8,39416	8,53404	-1,101813466	ENST00000536027	9798	NM_014761	IST1
A_22_P00008202	3,1089	3,24878	-1,101813466	N/A	N/A	DA105415	Inc-INTS4-2
A_19_P00318904	5,5305	5,67045	-1,101866927	N/A	N/A	N/A	N/A
A_24_P283288	8,50665	8,64662	-1,101882203	ENST00000474429	1432	NM_139013	MAPK14
A_32_P6015	10,2775	10,4175	-1,101905116	ENST00000252971	3110	NM_005515	MNX1
A_33_P3316323	12,6287	12,7687	-1,101905116	ENST00000409972	5937	NM_016836	RBMS1
A_22_P00003555	1,64866	1,78884	-1,102042605	ENST00000507145	100874047	NR_051987	LINC00499
A_23_P213678	12,4537	12,5939	-1,102057883	ENST00000345721	5066	NM_000919	PAM
A_33_P3396492	7,97263	8,11291	-1,102118996	ENST00000267383	64403	NM_022478	CDH24
A_22_P00016692	6,03544	6,17574	-1,102134274	ENST00000564772	N/A	AK093872	N/A
A_21_P0008992	4,28943	4,42974	-1,102141914	N/A	N/A	N/A	Inc-JPH3-3
A_24_P301837	4,91972	5,06003	-1,102141914	ENST00000317393	11255	NM_007232	HRH3
A_24_P729905	9,19935	9,33969	-1,102164833	ENST00000490752	642517	NM_001190810	AGAP9
A_33_P3348328	2,31972	2,46006	-1,102164833	N/A	N/A	N/A	N/A
A_22_P00001136	5,37724	5,51765	-1,102218311	ENST00000511537	399881	NR_033868	HNRNPKP3
A_23_P148150	11,8127	11,9532	-1,102287073	ENST00000343053	25920	NM_015456	NELFB
A_21_P0003305	2,52567	2,66623	-1,102332917	N/A	N/A	N/A	Inc-DCUN1D1-6
A_23_P253046	11,0772	11,2178	-1,102363481	ENST00000467648	7360	NM_006759	UGP2
A_24_P67308	16,8038	16,9444	-1,102363481	ENST00000432746	100129424	NR_026660	RPL19P12
A_33_P6817354	9,06349	9,2041	-1,102371122	N/A	100505641	NR_046251	FGD5-AS1
A_22_P00011599	6,76101	6,90167	-1,102409328	N/A	N/A	DB041598	Inc-PCGF2-1
A_24_P182764	10,4125	10,5532	-1,102439893	ENST00000475693	23192	NM_178326	ATG4B
A_33_P3289422	10,4505	10,5912	-1,102439893	ENST00000396408	91661	NM_001040185	ZNF765
A_23_P215491	10,6463	10,787	-1,102439893	ENST00000416943	6369	NM_002991	CCL24



A_22_P00019581	1,42476	1,56552	-1,102485743	ENST00000560924	N/A	XR_424506	N/A
A_33_P3342235	15,1414	15,2822	-1,102516311	ENST00000611094	148170	NM_145057	CDC42EP5
A_21_P0013894	13,1867	13,3275	-1,102516311	N/A	N/A	N/A	XLOC_I2_015938
A_33_P3384932	11,3772	11,518	-1,102516311	ENST00000376693	254552	NM_001243750	NUDT8
A_33_P3294790	7,15133	7,29214	-1,102523953	ENST00000431518	N/A	AX721280	N/A
A_33_P3309064	7,33001	7,47085	-1,10254688	ENST00000397553	55245	NM_001184977	UQCC1
A_33_P3330503	7,70446	7,84532	-1,102562165	ENST00000447989	501	NM_001182	ALDH7A1
A_22_P00012268	1,72361	1,86453	-1,10260802	ENST00000522129	N/A	N/A	N/A
A_23_P69362	11,622	11,763	-1,102669163	ENST00000442740	79714	NM_024661	CCDC51
A_23_P339633	7,99269	8,1337	-1,102676806	ENST00000473067	253635	NM_174931	GPATCH11
A_23_P142013	6,16402	6,30509	-1,102722666	ENST00000358368	56949	NM_020196	XAB2
A_22_P00003697	1,41941	1,56055	-1,102776172	ENST00000564041	283867	NR_027755	LINC00922
A_23_P218096	9,40988	9,55106	-1,102806748	ENST00000267229	64062	NM_022118	RBM26
A_23_P420348	1,71323	1,85444	-1,10282968	ENST00000358970	317754	NM_174981	POTED
A_33_P3226643	6,79232	6,93356	-1,102852613	ENST00000409422	79065	NM_001077198	ATG9A
A_21_P0006773	1,63016	1,77142	-1,102867902	ENST00000429070	N/A	N/A	N/A
A_33_P3414883	4,34713	4,4886	-1,103028448	N/A	23300	N/A	ATMIN
A_21_P0009563	1,72057	1,86221	-1,103158431	N/A	N/A	N/A	Inc-LMAN1-2
A_22_P00017020	4,30298	4,44463	-1,103166078	N/A	100128127	NR_111905	GPR123-AS1
A_33_P3299254	7,66938	7,81104	-1,103173724	ENST00000248948	29802	NM_013378	VPREB3
A_21_P0002201	4,67741	4,81912	-1,103211958	N/A	N/A	N/A	Inc-GALM-2
A_23_P15146	7,77821	7,91993	-1,103219605	ENST00000529550	9235	NM_001012631	IL32
A_21_P0005170	1,4675	1,60927	-1,10325784	N/A	N/A	N/A	Inc-ELOVL5-2
A_21_P0014488	2,87006	3,01184	-1,103265488	N/A	101928658	XR_245255	LOC101928658
A_33_P3257297	3,6343	3,77615	-1,10331902	ENST00000369704	159686	NM_001008723	CFAP58
A_22_P00014710	3,5538	3,69566	-1,103326667	N/A	N/A	N/A	Inc-SLC25A47-4
A_22_P00004991	4,53489	4,67679	-1,103357258	N/A	N/A	BC013247	Inc-DCTN5-2
A_33_P3309684	15,2572	15,3991	-1,103357258	ENST00000474540	N/A	N/A	N/A
A_33_P3230254	5,65875	5,80069	-1,10338785	ENST00000251496	64151	NM_022346	NCAPG
A_22_P00019068	1,58813	1,73016	-1,103456686	N/A	N/A	N/A	Inc-CLEC14A-2
A_24_P176714	9,7304	9,8725	-1,103510227	ENST00000261499	27077	NM_015681	B9D1
A_32_P114215	14,3262	14,4683	-1,103510227	ENST00000483290	170622	NM_203497	COMMD6
A_23_P211598	9,76868	9,91081	-1,103533174	ENST00000485648	5372	NM_002676	PMM1

A_33_P3365988	6,44646	6,5886	-1,103540823	N/A	728463	NR_046268	TGFB2-AS1
A_23_P66260	9,25958	9,40178	-1,103586719	ENST00000575471	10308	NM_003414	ZNF267
A_24_P354496	5,91683	6,05921	-1,103724418	ENST00000578387	152641	NR_024008	WWC2-AS2
A_24_P76707	2,46379	2,60619	-1,103739719	N/A	N/A	N/A	Inc-ADAMTS14-2
A_22_P00021279	11,3486	11,491	-1,103739719	ENST00000439105	N/A	N/A	N/A
A_21_P0000756	9,4318	9,57421	-1,10374737	N/A	100507173	NR_038293	LINC01012
A_22_P00020847	1,75855	1,90099	-1,103770322	ENST00000412153	N/A	N/A	N/A
A_21_P0004140	1,9002	2,04265	-1,103777973	ENST00000506250	102477328	NR_105007	LOC102477328
A_21_P0002617	1,48189	1,62439	-1,103816227	N/A	N/A	N/A	Inc-SLC4A10-4
A_22_P00023652	3,15955	3,30205	-1,103816227	N/A	N/A	AK091020	Inc-PLEKHJ1-1
A_21_P0000657	7,61633	7,75883	-1,103816227	N/A	100289230	N/A	LOC100289230
A_21_P0008155	1,77408	1,91659	-1,103823878	N/A	N/A	N/A	Inc-NUFIP1-1
A_24_P143440	12,3033	12,4459	-1,103892741	ENST00000357156	83658	NM_014183	DYNLRB1
A_22_P00011301	11,6175	11,7601	-1,103892741	N/A	55000	NR_110492	TUG1
A_21_P0008582	2,85856	3,00122	-1,103938651	N/A	N/A	N/A	Inc-OR4N4-2
A_23_P48886	9,86229	10,005	-1,103976911	ENST00000260408	102	NM_001110	ADAM10
A_33_P3329508	5,83693	5,97967	-1,103999868	ENST00000368614	80313	NM_001143757	LRRC27
A_22_P00014781	1,68881	1,83157	-1,104015173	N/A	102724163	NR_120308	LOC102724163
A_33_P3376806	4,67679	4,81959	-1,104045783	ENST00000323327	256815	NM_153714	C10orf67
A_23_P167856	7,76539	7,90819	-1,104045783	ENST00000323267	55362	NM_018426	TMEM63B
A_22_P00008062	3,47756	3,62041	-1,104084047	N/A	101928142	NR_110203	AADACL2-AS1
A_23_P324490	10,2974	10,4403	-1,104122313	ENST00000299505	9710	NM_014686	KIAA0355
A_33_P3646133	9,61897	9,76196	-1,104191193	ENST00000320805	84901	NM_032815	NFATC2IP
A_21_P0009425	1,61189	1,75489	-1,104198847	ENST00000565170	101928167	NR_110800	LOC101928167
A_23_P207174	4,57974	4,72277	-1,104221809	ENST00000558284	1443	NM_022644	CSH2
A_23_P75088	1,3946	1,53765	-1,104237116	ENST00000370215	79955	NM_024895	PDZD7
A_21_P0005347	1,62526	1,76832	-1,10424477	ENST00000452622	441307	NR_033963	FLJ44511
A_22_P00014222	2,09409	2,23716	-1,104252425	N/A	101929741	NR_125930	LOC101929741
A_22_P00000435	9,52099	9,6641	-1,104283041	N/A	N/A	N/A	Inc-AC074212.3.1-1
A_22_P00006834	3,18661	3,32976	-1,104313659	N/A	N/A	N/A	Inc-GABRG3-2
A_23_P126291	13,1693	13,3125	-1,104351932	ENST00000469451	6635	NM_003094	SNRPE
A_22_P00000603	7,35845	7,5017	-1,104390207	N/A	N/A	N/A	Inc-ACCSL-1
A_23_P316381	8,19813	8,34144	-1,104436138	ENST00000413009	8310	NM_003501	ACOX3

A_33_P3281940	9,8592	10,0026	-1,104505039	ENST00000436630	6120	NM_001278283	RPE
A_33_P3275668	15,4121	15,5555	-1,104505039	ENST00000375964	7917	NM_004639	BAG6
A_23_P65712	11,183	11,3264	-1,104505039	ENST00000304191	83640	NM_031452	FAM103A1
A_24_P174367	9,93488	10,0783	-1,10452035	ENST00000618156	5504	NM_006241	PPP1R2
A_33_P3375576	10,0477	10,1912	-1,1045816	ENST00000611373	9053	NM_003980	MAP7
A_33_P3219010	11,8748	12,0183	-1,1045816	ENST00000505713	27068	AK299501	PPA2
A_33_P3296205	14,31	14,4535	-1,1045816	ENST00000458659	8848	NM_183422	TSC22D1
A_32_P919718	9,03283	9,17635	-1,104596913	ENST00000332900	284186	NM_178520	TMEM105
A_21_P0003760	4,73857	4,88216	-1,104650509	N/A	N/A	N/A	Inc-SEC24D-1
A_33_P3351894	10,3799	10,5236	-1,104734738	N/A	284889	NR_038911	MIF-AS1
A_23_P111978	4,82777	4,97148	-1,104742395	ENST00000303015	51305	NM_001282534	KCNK9
A_23_P25626	9,88529	10,029	-1,104742395	ENST00000613797	79866	NM_024808	BORA
A_23_P132915	8,07622	8,22	-1,104795999	ENST00000508737	92689	NM_138389	FAM114A1
A_32_P193822	8,97206	9,11586	-1,104811315	ENST00000367211	9877	NM_014827	ZC3H11A
A_23_P210348	13,061	13,2049	-1,104887897	ENST00000482463	9167	NM_004718	COX7A2L
A_33_P3293593	5,35768	5,50161	-1,104910873	ENST00000311308	148014	NM_152479	TTC9B
A_21_P0008055	2,97286	3,11682	-1,104933849	N/A	N/A	N/A	Inc-NAA16-1
A_23_P251717	11,1637	11,3077	-1,104964485	ENST00000376368	11152	NM_007075	WDR45
A_22_P00007879	4,36309	4,50709	-1,104964485	N/A	N/A	BC060374	Inc-HSCB-1
A_23_P312300	1,60677	1,75083	-1,10501044	ENST00000244930	4246	NM_002407	SCGB2A1
A_24_P504621	4,11887	4,26294	-1,105018099	N/A	N/A	N/A	N/A
A_33_P3354935	6,48376	6,62784	-1,105025759	ENST00000369802	1435	NM_172212	CSF1
A_23_P20970	10,9525	11,0966	-1,105041078	ENST00000505993	9140	NM_004707	ATG12
A_23_P78888	16,2181	16,3622	-1,105041078	ENST00000593503	2091	NM_001436	FBL
A_32_P100641	5,05781	5,20193	-1,105056397	ENST00000594200	100128139	NR_110663	LINC01233
A_24_P169402	1,61441	1,75855	-1,105071716	ENST00000351747	201625	NM_001291661	DNAH12
A_22_P00015797	5,76798	5,91217	-1,105110016	N/A	N/A	N/A	Inc-TAS1R2-1
A_33_P3360823	9,40579	9,55001	-1,105132996	ENST00000481909	80007	NM_024942	C10orf88
A_21_P0008660	1,59974	1,74398	-1,105148317	N/A	N/A	N/A	Inc-TMED3-2
A_22_P00017270	3,71974	3,86401	-1,105171298	ENST00000567877	N/A	N/A	N/A
A_24_P247732	3,14501	3,28928	-1,105171298	ENST00000442731	8884	NM_021095	SLC5A6
A_22_P00011184	3,89615	4,04042	-1,105171298	ENST00000456795	N/A	N/A	N/A
A_21_P0005370	3,50538	3,64973	-1,105232583	ENST00000461424	2692	N/A	GHRHR

A_33_P3364112	8,50637	8,65086	-1,105339841	ENST00000550389	10818	NM_001278351	FRS2
A_24_P134653	10,9637	11,1082	-1,105347503	ENST00000464463	8481	NM_003611	OFD1
A_33_P3215729	4,0702	4,21472	-1,105362826	N/A	N/A	N/A	N/A
A_24_P184732	4,88644	5,03098	-1,10537815	ENST00000554301	89932	NM_173462	PAPLN
A_33_P3667419	1,6784	1,82298	-1,105408798	ENST00000504339	340107	NR_037896	LOC340107
A_22_P00016053	1,63537	1,77997	-1,105424122	ENST00000581442	100505592	NR_110428	LINC01540
A_33_P3255814	8,71609	8,86072	-1,105447109	ENST00000378386	57380	NM_001286264	MRS2
A_32_P122240	6,58105	6,72573	-1,105485422	ENST00000449188	647219	NM_001270601	ASCL5
A_23_P18282	1,73401	1,87869	-1,105485422	ENST00000346219	9940	NM_007335	DLEC1
A_24_P391991	6,1249	6,26958	-1,105485422	ENST00000409072	340286	NR_028347	FAM183B
A_23_P67748	7,53619	7,68088	-1,105493084	ENST00000328024	9230	NM_004218	RAB11B
A_23_P54291	10,222	10,3667	-1,105500747	ENST00000561166	53905	NM_017434	DUOX1
A_22_P00007177	2,12376	2,26852	-1,105546724	N/A	N/A	BX107041	Inc-GNRHR2-1
A_23_P18325	12,2835	12,4283	-1,105577377	ENST00000470131	11235	NM_007217	PDCD10
A_33_P3366146	14,9057	15,0505	-1,105577377	ENST00000556647	6430	NM_001039465	SRSF5
A_23_P307382	3,18369	3,32856	-1,105631021	ENST00000217420	140679	NM_080552	SLC32A1
A_24_P385280	9,95633	10,1012	-1,105631021	ENST00000354775	223	NM_000696	ALDH9A1
A_19_P00809372	3,34971	3,49468	-1,105707661	N/A	N/A	N/A	XLOC_I2_008203
A_23_P119254	10,5236	10,6686	-1,105730653	ENST00000263382	55723	NM_018154	ASF1B
A_23_P25566	3,59645	3,74146	-1,105738318	ENST00000376414	1880	NM_004951	GPR183
A_21_P0014944	5,63303	5,7781	-1,105784305	N/A	102724156	XR_426407	LOC102724156
A_33_P3235611	9,54825	9,69334	-1,105799635	N/A	113235	NM_080669	SLC46A1
A_23_P337753	5,74795	5,89313	-1,10586862	ENST00000483728	93349	NM_138402	SP140L
A_24_P255005	4,80558	4,95082	-1,105914613	ENST00000586022	N/A	N/A	N/A
A_22_P00003355	1,70735	1,85265	-1,105960607	N/A	81832	NM_138966	NETO1
A_33_P3211633	7,16199	7,30732	-1,105983605	ENST00000369441	10885	NM_006784	WDR3
A_33_P3322046	4,59371	4,73904	-1,105983605	N/A	N/A	N/A	N/A
A_23_P164341	9,85002	9,99541	-1,106029603	ENST00000316509	6844	NM_014232	VAMP2
A_32_P151875	10,7328	10,8782	-1,106037269	ENST00000426851	57541	NM_020781	ZNF398
A_21_P0012988	4,60549	4,75091	-1,106052602	ENST00000511794	N/A	N/A	N/A
A_24_P28619	8,96547	9,1109	-1,106060269	ENST00000366962	90806	NM_144567	ANGEL2
A_24_P139604	1,65685	1,8023	-1,106075602	ENST00000392254	149628	NM_198930	PYHIN1
A_33_P3317327	1,66788	1,81335	-1,106090936	ENST00000355722	79054	AY532376	TRPM8

A_22_P00021519	1,60237	1,74784	-1,106090936	ENST00000478310	26266	NM_012450	SLC13A4
A_33_P3232655	1,67624	1,82172	-1,106098603	ENST00000489974	2692	NM_000823	GHRHR
A_24_P251688	11,876	12,0215	-1,106113937	ENST00000468892	55324	NM_018358	ABCF3
A_23_P211748	10,9431	11,0886	-1,106113937	ENST00000283875	2960	NM_005513	GTF2E1
A_33_P3281686	5,96927	6,11477	-1,106113937	ENST00000461648	7249	NM_001077183	TSC2
A_32_P51848	2,62563	2,77124	-1,106198277	N/A	54491	NM_019018	FAM105A
A_33_P3272849	3,64973	3,79541	-1,106251951	ENST00000479767	138307	XM_006716953	LCN8
A_22_P00010361	1,4305	1,5762	-1,106267287	N/A	N/A	N/A	Inc-MYEF2-2
A_23_P371168	1,73804	1,88377	-1,106290292	ENST00000508504	166655	NM_152620	TRIM60
A_24_P383076	7,24014	7,38589	-1,106305628	ENST00000502617	132949	NM_181806	AASDH
A_24_P381494	9,45867	9,60449	-1,106359308	ENST00000550782	4891	NM_000617	SLC11A2
A_33_P3304427	2,99166	3,13751	-1,106382314	ENST00000513468	345643	NM_001190787	MCIDAS
A_21_P0014513	4,34642	4,4923	-1,106405321	N/A	N/A	BG205415	N/A
A_33_P3229196	16,0901	16,236	-1,106420659	ENST00000397420	977	NM_004357	CD151
A_23_P317056	6,74318	6,88912	-1,106451336	ENST00000361681	4541	N/A	ND6
A_21_P0010217	2,22429	2,37026	-1,106474344	N/A	100861510	N/A	LRRC3-AS1
A_21_P0000740	7,50206	7,64804	-1,106482014	ENST00000491442	59269	NR_038260	HIVEP3
A_22_P00012736	9,44933	9,59536	-1,106520362	N/A	100289092	NR_046287	ATP2A1-AS1
A_22_P00010109	1,4236	1,56965	-1,106535702	ENST00000562772	338694	NR_104161	LOC338694
A_23_P2573	8,25464	8,40075	-1,106581723	ENST00000266534	84216	NM_032256	TMEM117
A_24_P120970	7,59334	7,7395	-1,106620074	N/A	85026	NR_122035	ARRDC1-AS1
A_23_P100141	8,73817	8,88437	-1,106650757	ENST00000397464	64718	NM_001193388	UNKL
A_24_P22050	7,60587	7,75208	-1,106658428	ENST00000267328	55647	NM_017817	RAB20
A_23_P36203	1,63458	1,7808	-1,106666098	ENST00000530810	255725	NM_001004052	OR52B2
A_21_P0012929	5,26615	5,4124	-1,106689111	N/A	N/A	N/A	XLOC_I2_012319
A_33_P3223082	8,69883	8,8451	-1,106704453	N/A	9801	NM_014763	MRPL19
A_23_P385105	4,357	4,50328	-1,106712124	ENST00000473443	84812	NM_032726	PLCD4
A_33_P3239148	5,75145	5,89776	-1,106735138	ENST00000366197	147694	NM_001172773	ZNF548
A_22_P00003232	9,24763	9,39394	-1,106735138	ENST00000535683	283143	NR_034148	LINC00900
A_22_P00003546	10,2211	10,3675	-1,106804182	ENST00000565225	101928527	XR_243152	PIGBOS1
A_22_P00010261	1,61375	1,76016	-1,106811854	N/A	N/A	CU677428	Inc-MTHFD2L-1
A_22_P00019477	2,39392	2,5404	-1,106865558	ENST00000560103	N/A	N/A	N/A
A_33_P3236881	15,611	15,7575	-1,106880902	ENST00000375136	100532736	NM_001204088	MINOS1-NBL1

A_23_P60324	12,5873	12,7338	-1,106880902	ENST00000489050	10422	NM_016172	UBAC1
A_21_P0012213	3,1914	3,33792	-1,106896247	N/A	N/A	N/A	Inc-BACH1-1
A_23_P385081	9,27458	9,42113	-1,106919265	ENST00000567638	10066	NM_005697	SCAMP2
A_21_P0005317	1,99236	2,13894	-1,106942283	ENST00000456952	N/A	XR_250237	N/A
A_23_P168288	2,10739	2,25405	-1,107003666	ENST00000296980	116379	NM_052962	IL22RA2
A_23_P71981	9,97653	10,1232	-1,107011339	ENST00000471992	26284	NM_005702	ERAL1
A_23_P79331	12,9675	13,1142	-1,107034359	ENST00000444881	64114	NM_022152	TMBIM1
A_23_P141484	9,96643	10,1132	-1,107088074	ENST00000581407	55731	NM_018182	FAM222B
A_33_P3232047	13,5342	13,681	-1,107111096	ENST00000379542	81853	NM_030969	TMEM14B
A_33_P3420976	2,08498	2,23182	-1,107141792	ENST00000509189	100132916	NM_001164442	FAM159B
A_21_P0008797	1,66222	1,80909	-1,107164814	N/A	N/A	N/A	Inc-RP11-82I10.1.1-4
A_24_P64167	9,74906	9,89593	-1,107164814	ENST00000540753	5742	NM_000962	PTGS1
A_33_P3816042	2,94624	3,09312	-1,107172489	ENST00000623630	440888	NR_027714	ACTR3BP2
A_24_P23245	12,9975	13,1444	-1,107187837	ENST00000605927	4700	NM_002490	NDUFA6
A_33_P3771067	3,74217	3,88912	-1,10722621	ENST00000504610	283140	NR_126004	LOC283140
A_23_P120227	10,6198	10,7668	-1,107264584	ENST00000395323	81606	NM_030915	LBH
A_23_P112016	1,62892	1,77592	-1,107264584	ENST00000316609	10395	NM_024767	DLC1
A_33_P3341399	1,6441	1,79115	-1,10730296	ENST00000581617	374786	NM_198529	EFCAB5
A_23_P121614	1,51752	1,66464	-1,107356688	ENST00000413702	4589	NM_152291	MUC7
A_19_P00319099	5,59025	5,73737	-1,107356688	N/A	N/A	N/A	Inc-RAD23B-2
A_33_P3237744	3,62621	3,77333	-1,107356688	ENST00000612221	100130827	N/A	SBK3
A_32_P19716	8,02019	8,16733	-1,107372039	ENST00000421812	90874	NM_001080470	ZNF697
A_33_P3375794	2,13615	2,2833	-1,107379715	N/A	N/A	N/A	N/A
A_22_P00000545	7,57823	7,72539	-1,107387391	ENST00000508795	100506639	NR_102752	LOC100506639
A_32_P197825	3,76486	3,91206	-1,107418095	ENST00000465668	5343	NM_001032392	PLGLB1
A_33_P3421923	1,62278	1,77	-1,107433447	ENST00000368125	57863	NM_021189	CADM3
A_33_P3294951	8,47206	8,61931	-1,107456475	ENST00000539585	259293	NM_001097643	TAS2R30
A_32_P194821	15,4753	15,6226	-1,107494858	ENST00000480465	6144	NM_000982	RPL21
A_22_P00018523	2,36185	2,5092	-1,107533241	N/A	N/A	AIO40785	Inc-TSPYL4-1
A_22_P00009248	1,69879	1,84614	-1,107533241	ENST00000536131	N/A	N/A	N/A
A_24_P276531	7,60689	7,75424	-1,107533241	ENST00000296215	79753	NM_024700	SNIP1
A_33_P3419458	6,72573	6,87308	-1,107533241	N/A	677882	NR_003022	SNORA59B
A_33_P3226177	2,04221	2,1896	-1,107563949	ENST00000620969	26999	NM_014376	CYFIP2

A_22_P00003857	1,62254	1,76996	-1,10758698	N/A	N/A	N/A	Inc-CEL-1
A_24_P398432	10,9983	11,1458	-1,1076484	ENST00000541623	116985	NM_001040118	ARAP1
A_33_P3386686	6,73644	6,88394	-1,1076484	N/A	100132874	XM_005273698	LOC100132874
A_21_P0004724	3,32818	3,47576	-1,107709822	N/A	N/A	N/A	Inc-F13A1-4
A_24_P299911	7,38814	7,53574	-1,107725179	ENST00000358649	23178	NM_015148	PASK
A_33_P3234202	1,61468	1,7623	-1,107740535	ENST00000394549	1776	NM_004944	DNASE1L3
A_32_P159400	9,18148	9,32925	-1,107855715	ENST00000517465	51366	NM_015902	UBR5
A_33_P3347457	2,79068	2,93846	-1,107863394	N/A	N/A	N/A	N/A
A_24_P295877	7,4841	7,63197	-1,107932509	ENST00000438539	9731	NM_014704	CEP104
A_32_P62211	6,24461	6,39248	-1,107932509	N/A	101928433	XR_241982	LOC101928433
A_24_P734953	8,90465	9,05255	-1,107955548	ENST00000531285	388610	NM_001013642	TRNP1
A_21_P0006658	1,72173	1,86971	-1,108016987	N/A	N/A	N/A	Inc-ARL5B-1
A_21_P0009732	1,59817	1,74615	-1,108016987	N/A	N/A	N/A	Inc-ZNF583-1
A_33_P3335902	8,5764	8,72438	-1,108016987	ENST00000372828	54470	NM_001184768	ARMCX6
A_21_P0001152	12,9349	13,083	-1,108109153	N/A	N/A	N/A	Inc-TMED5-1
A_33_P3279019	11,3066	11,4547	-1,108109153	ENST00000269489	5275	NM_012397	SERPINB13
A_22_P00003329	3,01262	3,16079	-1,108162921	N/A	N/A	BQ009088	Inc-CASP9-2
A_24_P277955	12,5632	12,7114	-1,108185964	ENST00000480497	51024	NM_016068	FIS1
A_21_P0013244	5,6533	5,80154	-1,10821669	ENST00000456590	113878	NM_001102594	DTX2
A_23_P349882	8,33532	8,4836	-1,108247417	ENST00000259467	5082	NM_005388	PDCL
A_33_P3260669	11,3581	11,5064	-1,108262781	ENST00000419617	6788	NM_001256312	STK3
A_23_P42368	10,2459	10,3942	-1,108262781	ENST00000367630	51534	NM_016485	VTA1
A_22_P00015282	8,26555	8,41386	-1,108270463	ENST00000599069	55672	NM_017940	NBPF1
A_22_P00002055	3,59709	3,74545	-1,108308873	N/A	N/A	N/A	Inc-BIVM-1
A_21_P0010288	2,07424	2,2226	-1,108308873	N/A	N/A	N/A	Inc-SIK1-5
A_33_P3313417	1,36357	1,51203	-1,108385698	ENST00000221905	115703	AY044864	ARHGAP33
A_22_P00022135	10,5169	10,6654	-1,108416429	ENST00000304189	83541	NM_001289145	FAM110A
A_23_P386764	11,0194	11,1679	-1,108416429	ENST00000372546	57171	NM_020438	DOLPP1
A_21_P0003039	1,43496	1,58347	-1,108424112	N/A	N/A	N/A	Inc-ZIC1-3
A_21_P0012889	1,78324	1,9318	-1,108462528	ENST00000511721	N/A	N/A	N/A
A_23_P23564	1,43805	1,58663	-1,108477895	ENST00000489625	8394	NM_003557	PIP5K1A
A_24_P944131	1,91594	2,06454	-1,108493261	ENST00000243673	10888	NM_016540	GPR83
A_23_P12053	10,2152	10,3638	-1,108493261	ENST00000375759	23013	NM_015001	SPEN

A_33_P3282374	1,74365	1,89229	-1,108523996	ENST00000535064	26230	N/A	TIAM2
A_33_P3352958	5,99	6,13866	-1,108539363	ENST00000323854	284131	NM_001164638	ENDOV
A_21_P0005941	3,95751	4,10623	-1,108585467	N/A	101926947	XR_426334	NCRNA00249
A_33_P3360326	7,2125	7,36123	-1,108593151	N/A	N/A	BQ932264	N/A
A_23_P57306	10,4497	10,5985	-1,108646942	ENST00000314103	8208	NM_005441	CHAF1B
A_21_P0000502	5,98531	6,13416	-1,108685365	ENST00000602813	26824	NR_004407	RNU11
A_22_P00024587	1,51546	1,66435	-1,108716105	N/A	N/A	BX102312	Inc-GANC-1
A_21_P0014037	2,9673	3,11619	-1,108716105	N/A	N/A	N/A	N/A
A_23_P200535	11,3221	11,471	-1,10872379	ENST00000373162	27095	NM_014408	TRAPPC3
A_22_P00023291	2,44492	2,59402	-1,108877502	N/A	N/A	AL137542	Inc-ASPHD1-1
A_22_P00003107	8,28221	8,43131	-1,108877502	ENST00000422343	N/A	N/A	N/A
A_33_P3369766	10,9821	11,1313	-1,108954367	ENST00000258648	29079	NM_014166	MED4
A_33_P3332438	11,0937	11,2429	-1,108954367	ENST00000433539	116254	NM_138785	GINM1
A_21_P0000109	9,98049	10,1297	-1,108962053	ENST00000544932	100463487	NM_001190706	MTRNR2L9
A_33_P3347417	9,64175	9,79102	-1,109008175	ENST00000375759	23013	NM_015001	SPEN
A_23_P35055	4,53018	4,67947	-1,109023549	ENST00000367615	7827	NM_014625	NPHS2
A_23_P100355	12,5426	12,6919	-1,109031236	ENST00000561610	5531	XM_006721061	PPP4C
A_33_P3379962	16,4282	16,5775	-1,109031236	ENST00000396634	3105	NM_002116	HLA-A
A_23_P363174	7,45546	7,60478	-1,109046611	N/A	8332	NM_003511	HIST1H2AL
A_33_P3378737	4,59548	4,7448	-1,109046611	N/A	N/A	N/A	N/A
A_22_P00015046	5,17558	5,32494	-1,10907736	ENST00000413826	4881	N/A	NPR1
A_22_P00004662	11,2487	11,3981	-1,109108111	ENST00000552098	N/A	N/A	N/A
A_21_P0009918	1,67555	1,82497	-1,109123487	ENST00000424850	N/A	N/A	N/A
A_22_P00011023	1,90478	2,05421	-1,109131175	ENST00000449314	N/A	BC043526	N/A
A_23_P204079	9,37414	9,52367	-1,109208056	ENST00000267017	8620	NM_003717	NPFF
A_22_P00011977	3,91494	4,06448	-1,109215745	N/A	N/A	N/A	Inc-PLA2G4A-7
A_22_P00015570	2,09082	2,24036	-1,109215745	N/A	N/A	N/A	Inc-STRN3-2
A_22_P00017939	1,55577	1,70532	-1,109223433	N/A	N/A	N/A	Inc-ZFYVE26-1
A_22_P00003569	7,48512	7,63469	-1,109238811	ENST00000509788	100505806	NR_045196	SNHG18
A_24_P910297	9,74204	9,89162	-1,109246499	ENST00000610329	2801	NM_004486	GOLGA2
A_22_P00025749	2,58512	2,7347	-1,109246499	N/A	N/A	N/A	Inc-RAD23B-10
A_21_P0007499	5,10677	5,25636	-1,109254188	ENST00000508145	N/A	N/A	N/A
A_21_P0012646	12,8971	13,0467	-1,109261877	ENST00000508231	9588	NM_004905	PRDX6



A_22_P00023634	1,36473	1,51433	-1,109261877	ENST00000549710	N/A	N/A	N/A
A_23_P137865	11,1703	11,3199	-1,109261877	ENST00000424959	4580	NM_198883	MTX1
A_21_P0008043	1,60772	1,75738	-1,109308011	N/A	N/A	N/A	Inc-USPL1-1
A_22_P00009086	7,91351	8,06318	-1,1093157	N/A	100507006	NR_120420	LOC100507006
A_23_P212552	10,3594	10,5091	-1,109338768	ENST00000474363	79718	NM_024665	TBL1XR1
A_33_P3620832	2,58635	2,73605	-1,109338768	ENST00000374374	158399	NM_001007169	ZNF483
A_33_P3263379	9,52318	9,67292	-1,109369525	N/A	692086	NR_003045	SNORD17
A_21_P0010106	2,1232	2,27294	-1,109369525	N/A	N/A	N/A	Inc-GPCPD1-1
A_33_P3219591	8,37226	8,52201	-1,109377215	ENST00000319921	57674	NM_020954	RNF213
A_33_P3606465	5,48965	5,6394	-1,109377215	ENST00000579647	645158	NR_033754	CBX3P2
A_22_P00001849	3,63622	3,78598	-1,109384905	N/A	100652759	NR_045697	PRICKLE2-AS1
A_22_P00022336	5,14291	5,29278	-1,109469494	N/A	N/A	N/A	Inc-ADAMTS18-6
A_23_P9362	15,2598	15,4097	-1,109492565	ENST00000259457	5695	NM_002799	PSMB7
A_33_P3224723	6,11793	6,26784	-1,109500256	ENST00000580842	373863	NM_194249	DND1
A_21_P0004720	2,54062	2,69061	-1,109561781	N/A	N/A	N/A	Inc-C6orf146-1
A_21_P0000038	3,41727	3,56732	-1,109607927	ENST00000445927	285051	NM_001163561	C2orf61
A_21_P0007495	1,65186	1,80203	-1,109700226	N/A	N/A	N/A	Inc-BEST3-1
A_33_P3343715	4,32702	4,47721	-1,10971561	N/A	2016	BC037242	EMX1
A_23_P10442	10,2489	10,3991	-1,109723302	ENST00000399443	114876	NM_080597	OSBPL1A
A_24_P153576	9,34427	9,49455	-1,10978484	ENST00000367503	257218	NM_173082	SHPRH
A_33_P3385062	6,30873	6,45901	-1,10978484	ENST00000243706	79441	CR749640	HAUS3
A_22_P00000969	1,5934	1,74369	-1,109792532	N/A	N/A	N/A	Inc-AL078585.1-4
A_33_P3325547	3,91538	4,06568	-1,109800225	ENST00000535836	282966	NM_182554	C10orf53
A_23_P166899	12,3355	12,4858	-1,109800225	ENST00000495390	51726	NM_016306	DNAJB11
A_23_P374767	9,13056	9,28089	-1,109823302	ENST00000440652	51619	NM_015983	UBE2D4
A_23_P32320	8,46491	8,61525	-1,109830995	ENST00000583503	79058	NM_024083	ASPSR1
A_24_P67395	8,79074	8,94108	-1,109830995	ENST00000414328	3856	NM_002273	KRT8
A_21_P0002628	1,94883	2,0992	-1,109854074	ENST00000447835	102724849	NR_110607	LOC102724849
A_33_P3253175	3,15478	3,30515	-1,109854074	ENST00000381329	22884	BC018044	WDR37
A_21_P0013977	10,2313	10,3817	-1,109877153	ENST00000493650	55795	BC008975	PCID2
A_32_P96807	10,4328	10,5833	-1,109954086	ENST00000367696	149041	NM_001300850	RC3H1
A_32_P116058	11,3516	11,5021	-1,109954086	N/A	266655	NR_015427	LINC00094
A_33_P3392077	11,1603	11,3108	-1,109954086	ENST00000238721	9540	NM_004881	TP53I3

A_21_P0013014	1,76146	1,91204	-1,110015637	N/A	N/A	N/A	XLOC_I2_012397
A_33_P3312754	8,0818	8,23239	-1,110023331	ENST00000567993	102467146	NR_104663	LOC102467146
A_22_P00016779	5,692	5,84263	-1,110054108	N/A	N/A	N/A	Inc-TRIM41-3
A_32_P156963	14,7841	14,9348	-1,110107969	ENST00000594933	71	NM_001614	ACTG1
A_22_P00021635	1,61003	1,76081	-1,110169528	N/A	N/A	N/A	Inc-HAS2-1
A_23_P211167	5,06124	5,21203	-1,110177223	ENST00000339818	755	NM_004928	C21orf2
A_33_P3271001	1,57021	1,72111	-1,110261873	ENST00000374762	55335	NM_018376	NIPSNAP3B
A_23_P130089	9,72995	9,88086	-1,110269569	ENST00000322326	90410	NM_174887	IFT20
A_24_P693433	6,4171	6,56805	-1,110300353	N/A	N/A	AK022364	Inc-VSIG10-1
A_33_P3219121	3,84294	3,99404	-1,110415799	ENST00000393501	8997	AK131379	KALRN
A_22_P00014822	1,65149	1,80268	-1,110485073	N/A	N/A	CD358374	Inc-SLC3A2-1
A_33_P3416937	4,66266	4,81392	-1,110538955	ENST00000374624	54942	BG213342	FAM206A
A_23_P12173	11,8367	11,988	-1,110569746	ENST00000487235	200186	NM_181715	CRTC2
A_24_P220618	10,9456	11,097	-1,110646728	ENST00000253048	23211	NM_015168	ZC3H4
A_33_P3383283	12,4336	12,585	-1,110646728	ENST00000401018	843	NM_032977	CASP10
A_23_P29830	5,23827	5,38975	-1,110708317	ENST00000405772	868	NM_170662	CBLB
A_22_P00021530	1,52848	1,67996	-1,110708317	ENST00000413290	N/A	N/A	N/A
A_24_P850428	15,0485	15,2	-1,110723714	ENST00000401872	N/A	BC070327	N/A
A_22_P00024189	3,10425	3,25583	-1,110785308	N/A	N/A	N/A	Inc-RNLS-1
A_33_P3274164	6,93544	7,08702	-1,110785308	N/A	84444	XM_005259660	DOT1L
A_23_P59130	4,76845	4,92023	-1,110939306	ENST00000615363	58496	NM_021221	LY6G5B
A_32_P159445	11,9115	12,0634	-1,111031715	ENST00000375365	23096	NM_015075	IQSEC2
A_33_P3313411	12,7393	12,8912	-1,111031715	ENST00000378944	115703	NM_001172630	ARHGAP33
A_22_P00001823	2,67851	2,83044	-1,111054819	ENST00000609480	100130705	NM_001195150	LOC100130705
A_33_P3415698	6,08699	6,23895	-1,111077923	ENST00000301272	126259	NM_144615	TMIGD2
A_33_P3272461	12,69	12,842	-1,111108729	ENST00000260953	29081	NM_014168	METTL5
A_21_P0012661	1,71225	1,86442	-1,111239664	N/A	N/A	N/A	XLOC_I2_011095
A_33_P3354499	10,7199	10,8721	-1,111262772	N/A	401480	XR_242443	LOC401480
A_33_P3537875	15,105	15,2572	-1,111262772	N/A	84757	BC004943	MGC10814
A_33_P3239914	3,15494	3,30715	-1,111270474	N/A	100130741	AK127222	LOC100130741
A_23_P343826	5,46063	5,61284	-1,111270474	ENST00000523856	89848	NM_033449	FCHSD1
A_21_P0007707	1,66298	1,81524	-1,111308989	N/A	N/A	N/A	Inc-C1QL4-2
A_22_P00001974	4,5695	4,72176	-1,111308989	ENST00000427048	N/A	N/A	N/A

A_24_P284805	4,51401	4,66629	-1,111324395	ENST00000412277	27124	NM_001284286	INPP5J
A_23_P71946	7,44356	7,59585	-1,111332098	ENST00000374183	54836	NM_017688	BSPRY
A_33_P3267482	11,8253	11,9776	-1,111339801	ENST00000366622	84451	NM_032435	KIAA1804
A_23_P54488	4,1044	4,25671	-1,111347504	ENST00000560124	23205	NM_015162	ACSBG1
A_33_P3348313	9,81936	9,97167	-1,111347504	ENST00000442215	54859	NM_001031703	ELP6
A_24_P49183	4,46602	4,61839	-1,111393725	ENST00000491734	54932	NM_017820	EXD3
A_21_P0007541	3,9372	4,08957	-1,111393725	ENST00000537655	N/A	N/A	N/A
A_33_P3317593	14,6838	14,8362	-1,111416836	ENST00000317368	162	NM_001127	AP1B1
A_33_P3269779	3,35136	3,50378	-1,111432244	ENST00000413658	7551	NM_017715	ZNF3
A_22_P00005633	6,60667	6,7591	-1,111439948	N/A	N/A	N/A	Inc-EIF1-1
A_22_P00014127	1,49302	1,64545	-1,111439948	N/A	N/A	N/A	Inc-SCD-3
A_23_P73170	1,50922	1,66168	-1,11146306	ENST00000296499	9348	NM_004784	NDST3
A_23_P23438	8,26391	8,41645	-1,111524694	ENST00000368286	64218	NM_022367	SEMA4A
A_33_P3315704	5,81219	5,96481	-1,111586332	N/A	N/A	N/A	N/A
A_33_P3355694	1,69591	1,8486	-1,111640267	ENST00000580780	N/A	N/A	N/A
A_32_P94722	10,8812	11,0339	-1,111647973	ENST00000481247	114781	NM_052893	BTBD9
A_33_P3408212	11,4991	11,6519	-1,111725029	ENST00000559111	7184	NM_003299	HSP90B1
A_23_P50839	10,9986	11,1514	-1,111725029	ENST00000434436	53615	NM_001281453	MBD3
A_33_P3396459	9,35449	9,50733	-1,111755853	ENST00000412877	5437	NM_001278714	POLR2H
A_21_P0003747	1,66449	1,81733	-1,111755853	N/A	N/A	N/A	Inc-BTC-1
A_22_P00023281	5,19053	5,34339	-1,111771265	N/A	101929010	NR_110090	SIRPG-AS1
A_24_P303589	10,5318	10,6847	-1,111802091	ENST00000409469	8454	NM_003592	CUL1
A_24_P161959	10,5209	10,6738	-1,111802091	ENST00000532586	374395	NM_199337	TMEM179B
A_21_P0010599	7,67476	7,82773	-1,111856037	N/A	N/A	N/A	XLOC_I2_000791
A_24_P88554	10,4895	10,6425	-1,111879158	ENST00000537888	8799	NM_003846	PEX11B
A_23_P145965	10,3182	10,4713	-1,11195623	ENST00000304842	8460	NM_003596	TPST1
A_22_P00023104	3,33154	3,4847	-1,112002476	N/A	N/A	N/A	Inc-RREB1-1
A_22_P00014667	3,3493	3,50246	-1,112002476	N/A	N/A	BQ015826	Inc-SLC23A1-1
A_24_P366777	9,74302	9,89624	-1,112048724	ENST00000579793	N/A	AK075065	N/A
A_23_P33093	4,85695	5,01021	-1,112079557	ENST00000318803	81849	NM_030965	ST6GALNAC5
A_21_P0000325	9,64307	9,79642	-1,112148934	N/A	677819	NR_002970	SNORA37
A_33_P3408137	3,22654	3,3799	-1,112156643	ENST00000440018	N/A	AK124216	N/A
A_22_P00023679	1,71596	1,86932	-1,112156643	N/A	N/A	N/A	Inc-QPCT-3

A_23_P370574	4,61231	4,76573	-1,112202897	ENST00000617100	115653	NM_153443	KIR3DL3
A_33_P3373403	4,37086	4,52428	-1,112202897	ENST00000485470	51177	NM_016274	PLEKHO1
A_22_P00010936	4,64065	4,79413	-1,112249153	ENST00000558382	N/A	DA414630	N/A
A_23_P208238	8,24165	8,39521	-1,112310831	N/A	7696	N/A	ZNF137P
A_22_P00005087	8,4871	8,64067	-1,112318541	ENST00000620428	8694	NM_012079	DGAT1
A_21_P0006193	5,86428	6,01788	-1,112341671	N/A	N/A	N/A	Inc-STX17-1
A_23_P399255	1,6027	1,75631	-1,112349381	ENST00000544682	221687	NM_152737	RNF182
A_33_P3304097	2,3234	2,47703	-1,112364802	N/A	N/A	N/A	N/A
A_33_P3500167	3,51069	3,66435	-1,112387933	ENST00000617301	176	NM_001135	ACAN
A_33_P3333092	2,03235	2,18602	-1,112395644	ENST00000581247	N/A	N/A	N/A
A_23_P51117	10,1186	10,2723	-1,112418776	ENST00000272342	54465	NM_019002	ETAA1
A_22_P00001741	5,1954	5,34914	-1,112449619	ENST00000433688	65998	NM_001144936	C11orf95
A_22_P00000062	1,66727	1,82105	-1,112480463	ENST00000416894	100874054	NR_051960	FALEC
A_22_P00005302	1,87007	2,02386	-1,112488174	N/A	N/A	N/A	Inc-DNAJC11-2
A_23_P38408	10,789	10,9428	-1,112495885	ENST00000620927	79893	NM_024835	GGNBP2
A_21_P0013251	11,898	12,0518	-1,112495885	ENST00000451831	5395	NM_000535	PMS2
A_23_P67162	11,2593	11,4132	-1,112573	ENST00000586352	5300	NM_006221	PIN1
A_22_P00016085	1,62678	1,7807	-1,112588424	N/A	N/A	N/A	Inc-THBS4-3
A_19_P00317597	7,40595	7,55992	-1,112626984	ENST00000585822	N/A	N/A	N/A
A_33_P3298455	4,65403	4,80801	-1,112634696	ENST00000504184	54944	NR_120386	LINC01521
A_33_P3219514	4,88262	5,03665	-1,112673258	ENST00000395541	80070	AJ515154	ADAMTS20
A_23_P121345	6,9899	7,14394	-1,11268097	ENST00000338733	55171	NM_018138	TBCCD1
A_33_P3363310	6,18456	6,33861	-1,112688683	ENST00000376536	387273	N/A	KRTAP5-10
A_22_P00012101	1,6263	1,78037	-1,112704108	N/A	N/A	N/A	Inc-PNRC2-2
A_33_P3551349	6,97074	7,12485	-1,112734959	ENST00000596267	N/A	AK127450	N/A
A_33_P6703408	1,71762	1,87174	-1,112742672	ENST00000404733	285973	N/A	ATG9B
A_24_P318897	8,39803	8,5522	-1,112781237	ENST00000372547	90203	NM_001042633	SNX21
A_24_P282578	12,5004	12,6546	-1,112804377	ENST00000531917	6746	NM_003145	SSR2
A_22_P00012227	10,1697	10,324	-1,112881514	N/A	N/A	N/A	Inc-PPIA-1
A_33_P3233189	1,64977	1,80409	-1,112896942	ENST00000414919	387804	NM_001144871	VSTM5
A_33_P3286608	8,53014	8,68446	-1,112896942	ENST00000329291	267002	NM_170725	PGBD2
A_21_P0009928	2,77304	2,92741	-1,112935512	N/A	N/A	N/A	Inc-STK35-2
A_23_P314760	10,8413	10,9957	-1,112958655	ENST00000479461	51422	NM_016203	PRKAG2

A_24_P64039	10,0687	10,2231	-1,112958655	ENST00000518421	10947	NM_006803	AP3M2
A_22_P00005478	2,64486	2,79928	-1,112974084	N/A	N/A	N/A	Inc-DYNLL2-2
A_33_P3258478	3,24344	3,39789	-1,112997228	ENST00000611586	N/A	AJ630586	N/A
A_23_P36266	11,1971	11,3516	-1,113035803	ENST00000227868	8050	NM_003477	PDHX
A_24_P358328	14,6275	14,782	-1,113035803	N/A	286016	NR_002187	TPI1P2
A_32_P215113	11,0083	11,1629	-1,113112955	ENST00000590792	131076	NM_001017928	CCDC58
A_23_P18452	1,46822	1,62283	-1,113120671	ENST00000264888	4283	NM_002416	CXCL9
A_33_P3226910	1,62075	1,77539	-1,113143817	ENST00000264952	131890	NM_139209	GRK7
A_21_P0004790	4,05327	4,20795	-1,113174681	ENST00000456346	N/A	N/A	N/A
A_23_P60591	12,0983	12,2531	-1,113267276	ENST00000316603	7266	NM_003315	DNAJC7
A_22_P00020191	1,57242	1,72722	-1,113267276	N/A	N/A	DB551264	Inc-C16orf61-1
A_24_P72518	10,7965	10,9513	-1,113267276	ENST00000325006	23382	NM_015328	AHCYL2
A_33_P3885807	1,71476	1,8696	-1,113298143	N/A	100874012	NR_049725	NAV2-AS5
A_22_P00011917	2,81405	2,96895	-1,113344444	N/A	N/A	BM148394	Inc-PIPOX-2
A_24_P98555	9,15003	9,30497	-1,113375313	ENST00000448258	404636	NM_001303111	FAM45A
A_33_P3603812	5,74344	5,89844	-1,113421618	ENST00000317568	83786	NM_001300833	FRMD8
A_24_P360722	8,28358	8,43861	-1,113444771	ENST00000280886	22982	NM_014974	DIP2C
A_22_P00016911	17,6235	17,7786	-1,113498797	N/A	100151683	NR_023343	RNU4ATAC
A_22_P00010730	1,65613	1,81126	-1,113521952	N/A	N/A	BX089171	Inc-NID2-1
A_33_P3250438	6,90955	7,06483	-1,113637733	N/A	79086	NM_001300925	SMIM7
A_21_P0006259	3,6904	3,84568	-1,113637733	N/A	N/A	N/A	Inc-C9orf82-1
A_23_P349398	4,37401	4,5293	-1,113645453	ENST00000327939	326340	NM_175619	ZAR1
A_33_P3335498	5,30424	5,45957	-1,11367633	ENST00000374928	11279	NM_001159296	KLF8
A_24_P926195	10,3193	10,4747	-1,113730367	ENST00000356554	10905	NM_006699	MAN1A2
A_23_P152949	4,88801	5,04342	-1,113738087	ENST00000584580	90506	NM_033413	LRRC46
A_33_P3345186	4,64914	4,80462	-1,113792127	ENST00000615522	166012	NM_152889	CHST13
A_22_P00018076	1,65918	1,81467	-1,113799847	ENST00000411439	101929397	NR_120659	LINC01518
A_21_P0000717	12,2231	12,3786	-1,113807568	ENST00000590964	124512	NM_001206987	METTLL23
A_33_P3286273	1,41583	1,57136	-1,113830729	ENST00000422359	340900	N/A	EBLN1
A_24_P481783	7,73923	7,89477	-1,113838449	ENST00000561387	390595	NM_001163692	UBAP1L
A_33_P3374878	1,43546	1,59102	-1,113853891	ENST00000335110	79633	NM_001291303	FAT4
A_23_P7221	16,8631	17,0187	-1,113884774	ENST00000506397	6164	NM_033625	RPL34
A_23_P22433	9,59776	9,7534	-1,113915657	ENST00000218340	6102	NM_006915	RP2

A_21_P0014131	4,92795	5,08364	-1,113954263	N/A	N/A	N/A	N/A
A_33_P3223607	13,3955	13,5512	-1,113961985	N/A	27158	NM_001144026	NDOR1
A_33_P3383566	1,6452	1,80092	-1,113977428	ENST00000400814	65121	NM_023013	PRAMEF1
A_24_P110354	1,64534	1,80106	-1,113977428	ENST00000330910	644994	N/A	SMIM23
A_24_P499215	5,35573	5,51151	-1,114023758	ENST00000426241	N/A	N/A	N/A
A_33_P3316064	5,47876	5,63455	-1,11403148	ENST00000380336	340591	XR_110931	CA5BP1
A_23_P146058	11,7881	11,9439	-1,114039201	ENST00000518738	528	NM_001695	ATP6V1C1
A_22_P00015201	1,59559	1,75142	-1,114062368	N/A	N/A	BQ429228	Inc-SOX2-1
A_22_P00002090	3,98212	4,13795	-1,114062368	ENST00000503668	728655	NR_004855	HULC
A_22_P00019652	5,42417	5,58001	-1,11407009	N/A	N/A	N/A	Inc-TMEM30B-1
A_23_P158570	6,24313	6,39898	-1,114077812	ENST00000541070	36	NM_001609	ACADSB
A_33_P3755633	5,54514	5,70101	-1,114093256	N/A	N/A	DA515661	N/A
A_21_P0004268	1,4487	1,60458	-1,114100979	N/A	N/A	N/A	Inc-PDE8B-1
A_23_P111288	14,1019	14,2578	-1,114116423	ENST00000541412	51522	NM_016462	TMEM14C
A_23_P111343	11,6396	11,7955	-1,114116423	ENST00000526228	9774	NM_014739	BCLAF1
A_21_P0010270	1,65403	1,80994	-1,114124146	ENST00000435315	N/A	N/A	N/A
A_21_P0003226	5,41292	5,56891	-1,114185928	N/A	N/A	N/A	Inc-TRAK1-1
A_32_P186981	16,5882	16,7442	-1,114193651	ENST00000581091	6139	NM_000985	RPL17
A_24_P327050	12,5887	12,7447	-1,114193651	ENST00000562125	51693	NM_016209	TRAPPC2L
A_21_P0009595	2,36565	2,52169	-1,114224543	ENST00000575722	N/A	XR_111805	N/A
A_23_P39647	8,06876	8,22495	-1,114340398	ENST00000425141	6508	NM_005070	SLC4A3
A_33_P3233170	10,0889	10,2451	-1,114348122	N/A	N/A	AK074630	N/A
A_22_P00016924	1,7216	1,87781	-1,114355846	ENST00000546558	N/A	N/A	N/A
A_23_P211840	9,35175	9,50798	-1,114371294	ENST00000465627	9039	NM_003968	UBA3
A_33_P3390950	7,45705	7,61329	-1,114379018	ENST00000534398	N/A	AK125852	N/A
A_33_P3328251	1,73726	1,89352	-1,114394467	ENST00000511360	N/A	N/A	N/A
A_22_P00014300	1,93454	2,09082	-1,114409916	N/A	N/A	N/A	Inc-SERHL2-3
A_23_P205098	8,83183	8,98812	-1,11441764	ENST00000315596	23047	NM_015032	PDS5B
A_22_P00016846	3,36799	3,52433	-1,114456264	ENST00000434565	100874188	N/A	LINC00571
A_33_P3264179	3,59462	3,75099	-1,114479439	ENST00000368789	353145	NM_178435	LCE3E
A_23_P93009	6,917	7,0734	-1,114502614	ENST00000506997	6728	NM_001204199	SRP19
A_33_P3228718	1,7433	1,89972	-1,114518064	ENST00000476906	N/A	BC118600	N/A
A_23_P251836	2,96496	3,12142	-1,114548966	ENST00000506953	4889	NM_006174	NPY5R

A_22_P00019162	1,5714	1,72788	-1,114564417	N/A	N/A	N/A	Inc-DIO2-2
A_23_P120237	12,276	12,4325	-1,114579868	ENST00000479456	56910	NM_020151	STARD7
A_33_P3324454	11,2304	11,3869	-1,114579868	ENST00000611494	1200	NM_000391	TPP1
A_21_P0014072	6,80986	6,96639	-1,114603045	N/A	100507670	XR_108348	LOC100507670
A_21_P0005801	2,57061	2,72714	-1,114603045	N/A	N/A	N/A	Inc-SGCZ-2
A_33_P3683351	1,36327	1,51985	-1,114641675	ENST00000589723	284240	XR_248506	LOC284240
A_33_P3401013	1,62234	1,77892	-1,114641675	N/A	N/A	BC126993	N/A
A_24_P322229	2,9646	3,12122	-1,11467258	ENST00000603017	91608	NM_033315	RASL10B
A_22_P00003765	2,90275	3,05938	-1,114680306	N/A	N/A	BG184313	Inc-CDK1-3
A_33_P3308263	9,77253	9,9292	-1,114711212	ENST00000477647	84925	NM_032839	DIRC2
A_33_P3267431	3,72256	3,87923	-1,114711212	N/A	642648	AK123383	LOC642648
A_23_P171258	10,4576	10,6143	-1,114734392	ENST00000490858	22	NM_004299	ABCB7
A_33_P3391631	1,54263	1,69937	-1,1147653	ENST00000518682	N/A	N/A	N/A
A_24_P151032	3,14444	3,3012	-1,114780754	ENST00000570772	4635	NM_002476	MYL4
A_23_P155868	10,965	11,1219	-1,114888938	ENST00000520121	10424	NM_006320	PGRMC2
A_33_P3325120	9,00681	9,16373	-1,114904394	ENST00000367203	9580	BC040649	SOX13
A_33_P3336527	9,76095	9,91794	-1,11495849	ENST00000325823	23042	NM_001285449	PDXDC1
A_33_P3309468	13,0316	13,1886	-1,114966219	ENST00000357368	5802	NM_002850	PTPRS
A_22_P00013634	1,58974	1,74675	-1,114973947	ENST00000510967	N/A	N/A	N/A
A_33_P3350413	5,14834	5,30535	-1,114973947	N/A	6840	AK310272	SVIL
A_33_P3366987	6,29398	6,45103	-1,115004861	ENST00000508133	166647	NM_145290	GPR125
A_21_P0003905	1,41466	1,57172	-1,11501259	N/A	102724809	XR_425795	LOC102724809
A_23_P207842	7,0323	7,18938	-1,115028047	ENST00000617726	5914	NM_001024809	RARA
A_33_P3345936	15,1668	15,3239	-1,115043505	ENST00000221922	26093	NM_015603	CCDC9
A_23_P116624	4,08673	4,24393	-1,115120797	ENST00000298923	9152	NM_004211	SLC6A5
A_23_P153767	11,5423	11,6995	-1,115120797	ENST00000593845	26993	NM_014371	AKAP8L
A_33_P3304107	7,8462	8,00346	-1,115167174	ENST00000396128	54813	NM_017658	KLHL28
A_33_P3213155	1,6499	1,8072	-1,115198094	ENST00000400593	387590	N/A	TPTEP1
A_22_P00005093	5,62264	5,77995	-1,115205824	ENST00000284061	8526	N/A	DGKE
A_23_P431939	9,86068	10,018	-1,115213554	ENST00000367579	3140	NM_001531	MR1
A_23_P27636	6,16335	6,32069	-1,115229014	ENST00000254321	90592	NM_144566	ZNF700
A_32_P57237	17,163	17,3204	-1,115275396	ENST00000403842	6144	NM_000982	RPL21
A_23_P210538	6,82733	6,98475	-1,115290857	ENST00000352077	63916	NM_182764	ELMO2

A_33_P3559102	5,71238	5,8698	-1,115290857	N/A	440864	BQ213652	LOC440864
A_33_P3332982	5,1348	5,29222	-1,115290857	ENST00000390295	N/A	KJ149306	N/A
A_33_P3629930	1,56037	1,71792	-1,115391359	N/A	414201	NR_038867	ZNF32-AS3
A_32_P29806	9,18099	9,33856	-1,115406822	ENST00000332896	8738	NM_003805	CRADD
A_23_P212675	1,41883	1,57642	-1,115422285	ENST00000333911	347736	XM_005247430	NME9
A_23_P57521	13,1142	13,2718	-1,115430017	ENST00000477256	51386	NM_016091	EIF3L
A_24_P200162	13,4531	13,6107	-1,115430017	ENST00000452906	25994	NM_014056	HIGD1A
A_23_P21425	6,37653	6,53417	-1,115460943	ENST00000276218	139760	NM_178471	GPR119
A_21_P0006765	1,61534	1,77299	-1,115468675	ENST00000441001	N/A	N/A	N/A
A_33_P3346891	2,24907	2,40673	-1,115476407	ENST00000518079	4603	NM_001294282	MYBL1
A_21_P0001364	5,40467	5,56236	-1,115499603	N/A	N/A	N/A	Inc-DDX20-4
A_23_P364107	9,37472	9,53244	-1,115522799	ENST00000470424	55320	NM_018353	MIS18BP1
A_24_P3804	8,4953	8,65302	-1,115522799	ENST00000548003	401251	NM_001039651	SAPCD1
A_23_P139669	1,62858	1,78632	-1,115538264	ENST00000479059	6515	NM_006931	SLC2A3
A_22_P00014508	1,60235	1,76011	-1,115553729	ENST00000491909	N/A	N/A	N/A
A_22_P00017762	10,1452	10,303	-1,115584659	N/A	100129961	NR_036549	CCNT2-AS1
A_22_P00008581	3,49283	3,65063	-1,115584659	ENST00000423112	101929302	NR_121586	RFX3-AS1
A_24_P362317	12,6708	12,8286	-1,115584659	ENST00000368471	103	NM_001111	ADAR
A_21_P0002650	6,05003	6,20785	-1,115600124	N/A	N/A	N/A	Inc-HS1BP3-1
A_22_P00022974	1,58405	1,74193	-1,115646522	N/A	N/A	N/A	Inc-PPP4R1-8
A_24_P172993	9,82467	9,98262	-1,115700654	ENST00000319380	63893	NM_022066	UBE2O
A_23_P66011	1,71518	1,87314	-1,115708388	ENST00000305202	54550	NM_019065	NECAB2
A_22_P00013727	1,58463	1,74261	-1,115723855	ENST00000503307	643201	NR_036494	LOC643201
A_21_P0011052	13,6655	13,8235	-1,115739322	ENST00000488396	N/A	N/A	N/A
A_22_P00002567	9,63175	9,78977	-1,11575479	ENST00000571336	55421	NM_001114118	C17orf85
A_21_P0007770	4,34148	4,49954	-1,115785726	ENST00000321694	54621	XR_424416	VSIG10
A_21_P0000766	11,9641	12,1222	-1,115816662	ENST00000416067	100132288	NR_038328	TEKT4P2
A_23_P47879	14,5535	14,7116	-1,115816662	ENST00000300134	6778	NM_003153	STAT6
A_22_P00012629	1,83253	1,99065	-1,115832131	N/A	N/A	N/A	Inc-PTTG1-2
A_22_P00010556	1,6033	1,76151	-1,115901742	ENST00000593786	23054	N/A	NCOA6
A_33_P3292660	2,96858	3,1268	-1,115909477	N/A	2892	NM_001256743	GRIA3
A_22_P00017203	3,15435	3,31258	-1,115917212	N/A	N/A	N/A	Inc-UCK1-1
A_21_P0009292	2,13587	2,29412	-1,115932682	N/A	N/A	N/A	Inc-AIPL1-1



A_24_P476086	5,771	5,92927	-1,115948152	ENST00000368564	3841	XM_006715474	KPNA5
A_24_P247026	3,46793	3,62621	-1,115955887	ENST00000339465	283726	NM_001008226	FAM154B
A_22_P00022993	2,21394	2,37229	-1,116010035	N/A	N/A	BX115195	Inc-CHRNA9-2
A_23_P106617	1,5512	1,70956	-1,116017771	ENST00000219454	58189	NM_021197	WFDC1
A_22_P00022127	6,10995	6,26834	-1,116040978	N/A	N/A	DA380299	Inc-TNFRSF17-2
A_33_P3267612	4,97639	5,1348	-1,11605645	ENST00000509909	728264	NR_105059	MIR143HG
A_24_P153763	1,68119	1,83965	-1,11609513	ENST00000523703	101927588	NR_125420	LOC101927588
A_33_P3254380	6,62809	6,78658	-1,116118339	ENST00000328306	84679	NM_001257291	SLC9A7
A_23_P60458	11,6314	11,7899	-1,116126075	ENST00000358994	5524	NM_178001	PPP2R4
A_23_P250455	9,68917	9,8477	-1,116149285	ENST00000486227	10013	NM_006044	HDAC6
A_22_P00021796	7,55886	7,71742	-1,116172494	N/A	N/A	BC104002	Inc-TM7SF2-1
A_21_P0000572	10,6143	10,7729	-1,116203442	N/A	100306951	NR_028514	PITPNA-AS1
A_33_P3222932	6,43149	6,59009	-1,116203442	ENST00000621082	440829	NM_001207020	SHISA8
A_23_P10182	1,6224	1,78101	-1,116211179	ENST00000460921	8309	NM_003500	ACOX2
A_32_P170925	9,40211	9,56074	-1,116226653	ENST00000523403	114112	NM_052883	TXNRD3
A_33_P3380331	9,37343	9,5321	-1,116257602	ENST00000491638	28511	NM_001144927	NKIRAS2
A_23_P105900	14,0146	14,1733	-1,116280814	ENST00000426582	690	NR_026983	BTF3P11
A_23_P380917	15,0164	15,1751	-1,116280814	ENST00000558924	23478	NM_014300	SEC11A
A_21_P0001827	1,78263	1,94134	-1,116288551	ENST00000414086	N/A	N/A	N/A
A_33_P3315748	1,37302	1,53176	-1,116311764	N/A	N/A	N/A	N/A
A_33_P3351316	1,62081	1,77956	-1,116319502	ENST00000273146	729085	AK091001	FAM198A
A_24_P535219	7,77389	7,93267	-1,116342715	ENST00000612128	55274	KC839989	PHF10
A_21_P0000022	7,89754	8,05634	-1,116358191	ENST00000539286	25798	NM_001159491	BRI3
A_23_P218068	9,44274	9,60163	-1,116427835	ENST00000424268	54477	NM_019012	PLEKHA5
A_33_P3312779	3,09648	3,25537	-1,116427835	ENST00000612593	260429	NM_152891	PRSS33
A_23_P29803	13,103	13,2619	-1,116435574	ENST00000476003	5437	NM_006232	POLR2H
A_23_P369733	10,6741	10,8331	-1,116512962	ENST00000317506	57610	NM_020850	RANBP10
A_33_P3524912	5,38106	5,54007	-1,116520701	ENST00000415305	283038	NR_033848	LOC283038
A_23_P257609	15,2205	15,3796	-1,116590355	ENST00000443998	6159	NM_000992	RPL29
A_23_P40078	11,4048	11,5639	-1,116590355	ENST00000406957	7514	NM_003400	XPO1
A_33_P3353496	11,7739	11,933	-1,116590355	ENST00000321660	219770	NM_153368	GJD4
A_23_P330836	5,1634	5,32256	-1,116636794	ENST00000624822	203414	NR_126059	LINC01560
A_24_P53215	11,4683	11,6275	-1,116667754	ENST00000412096	201294	NM_199242	UNC13D

A_33_P3369834	7,53259	7,69184	-1,116706456	ENST00000233596	92840	NM_138393	REEP6
A_33_P3244895	1,73205	1,8914	-1,116783863	N/A	9911	AY358192	TMCC2
A_21_P0013273	1,69908	1,85853	-1,116861275	N/A	N/A	N/A	XLOC_I2_013628
A_33_P3314151	5,88405	6,04353	-1,1168845	ENST00000333750	84766	NM_001144958	CRACR2A
A_22_P00015699	2,61333	2,77289	-1,116946434	ENST00000567515	N/A	N/A	N/A
A_23_P257131	10,5954	10,755	-1,116977403	ENST00000295030	5194	NM_002618	PEX13
A_33_P3362641	9,63768	9,79729	-1,116985146	ENST00000273986	493856	NM_001008388	CISD2
A_24_P98385	8,86607	9,02573	-1,117023858	ENST00000389120	56254	NM_019592	RNF20
A_21_P0000725	5,57089	5,73057	-1,117039343	N/A	552860	NR_038210	SAMD12-AS1
A_33_P3298535	15,5203	15,68	-1,117054829	ENST00000397416	140823	NM_080748	ROMO1
A_19_P00803472	8,96326	9,12297	-1,117062572	N/A	N/A	N/A	Inc-GDF10-2
A_21_P0002645	2,48807	2,6478	-1,117078058	ENST00000592816	102800314	NR_110497	MIR7515HG
A_22_P00016485	1,63919	1,79894	-1,117093544	N/A	N/A	BX088939	Inc-TMEM9-1
A_22_P00020941	1,62789	1,78773	-1,117163234	N/A	104326058	NR_126371	SMAD1-AS1
A_22_P00013225	1,45762	1,61749	-1,117186465	N/A	N/A	N/A	Inc-RNMTL1-1
A_33_P3277805	12,368	12,5279	-1,117209696	N/A	N/A	N/A	N/A
A_23_P90911	10,0118	10,1717	-1,117209696	ENST00000381249	57665	NM_020905	RDH14
A_33_P3220152	10,7137	10,8736	-1,117209696	ENST00000438103	22904	NM_014963	SBNO2
A_23_P389919	9,62332	9,7833	-1,117271649	ENST00000312087	7468	NM_133330	WHSC1
A_24_P937325	6,46373	6,62374	-1,117294883	ENST00000472289	121512	AL713762	FGD4
A_23_P369701	11,6882	11,8483	-1,117364585	ENST00000258884	58489	NM_021214	ABHD17C
A_23_P67992	10,1509	10,311	-1,117364585	ENST00000355848	10438	NM_006333	C1D
A_23_P350808	2,0171	2,17721	-1,11737233	ENST00000489023	285175	AB058746	UNC80
A_23_P211680	1,62337	1,78352	-1,117403311	ENST00000311597	23209	NM_015166	MLC1
A_24_P282762	5,76824	5,92841	-1,117418801	ENST00000409443	9874	NM_012290	TLK1
A_23_P71537	8,84464	9,00483	-1,117434292	ENST00000521168	79848	NM_001291339	CSPP1
A_21_P0004992	9,43627	9,59648	-1,117449783	N/A	N/A	N/A	Inc-C6orf146-2
A_33_P3833211	6,05398	6,21426	-1,117504004	ENST00000399179	1763	NM_001080449	DNA2
A_24_P44596	11,2314	11,3917	-1,117519496	ENST00000566455	22879	NM_014940	MON1B
A_33_P3401661	3,87611	4,03645	-1,11755048	N/A	N/A	N/A	N/A
A_33_P6810548	1,63495	1,79529	-1,11755048	N/A	101928264	XR_426854	LOC101928264
A_33_P3287611	6,80621	6,96661	-1,117596959	ENST00000417996	3850	NM_057088	KRT3
A_33_P3275707	10,5611	10,7215	-1,117596959	N/A	130340	NM_001039569	AP1S3

A_22_P00018931	5,21156	5,37197	-1,117604705	N/A	N/A	N/A	Inc-C8A-1
A_23_P218579	6,17356	6,33398	-1,117612452	ENST00000392089	79411	NM_024506	GLB1L
A_22_P00001368	8,11927	8,27971	-1,117627946	N/A	N/A	BC043357	Inc-AP002478.1-2
A_33_P3366780	5,74747	5,90791	-1,117627946	N/A	N/A	N/A	N/A
A_33_P3292864	7,50866	7,66915	-1,11766668	N/A	N/A	AK090448	N/A
A_22_P00013046	3,71801	3,87857	-1,117720911	ENST00000530241	8490	N/A	RGS5
A_22_P00019233	2,0869	2,24748	-1,117736406	ENST00000607954	5335	N/A	PLCG1
A_33_P3402600	9,89387	10,0545	-1,117775145	N/A	N/A	N/A	N/A
A_22_P00008132	5,48047	5,64118	-1,117837129	N/A	80161	NR_026710	ASMTL-AS1
A_22_P00006211	2,27235	2,43307	-1,117844877	N/A	N/A	N/A	Inc-FAM43A-7
A_33_P3230011	3,36657	3,5274	-1,117930112	ENST00000399165	219736	NM_001130159	STOX1
A_23_P352426	5,59454	5,7554	-1,117953359	ENST00000395906	374286	NM_006382	CDRT1
A_23_P45087	7,26523	7,42609	-1,117953359	ENST00000395391	51427	NM_016220	ZNF107
A_33_P3325018	11,0975	11,2584	-1,117984356	ENST00000185150	27248	NM_015701	ERLEC1
A_23_P82296	12,3091	12,47	-1,117984356	ENST00000431068	2783	NM_005273	GNB2
A_23_P132285	13,1426	13,3035	-1,117984356	ENST00000404802	4357	NM_001130517	MPST
A_32_P21384	16,2759	16,4368	-1,117984356	ENST00000498103	6139	NM_000985	RPL17
A_33_P3223239	7,8705	8,03148	-1,118046351	ENST00000490067	54879	NM_138729	ST7L
A_33_P3329834	10,204	10,365	-1,118061851	ENST00000370022	55119	NM_018061	PRPF38B
A_33_P3319406	4,03119	4,19221	-1,118077351	ENST00000376410	57584	BX537570	ARHGAP21
A_21_P0007460	1,61722	1,77827	-1,118100601	ENST00000534757	100616234	N/A	MIR4454
A_21_P0009011	2,45308	2,61419	-1,118147102	N/A	N/A	N/A	Inc-PARN-6
A_21_P0006007	1,60983	1,77104	-1,118224609	N/A	N/A	N/A	Inc-CLTA-1
A_33_P3213288	4,53292	4,69416	-1,118247862	N/A	199	NM_004847	AIF1
A_22_P00003175	4,29689	4,45816	-1,118271116	ENST00000563018	N/A	BC009060	N/A
A_24_P123408	4,95655	5,11783	-1,118278867	ENST00000517451	22885	NM_014945	ABLIM3
A_21_P0001533	1,60876	1,77006	-1,11829437	ENST00000437598	N/A	N/A	N/A
A_24_P382001	11,5846	11,7459	-1,11829437	ENST00000481810	51728	NM_016310	POLR3K
A_33_P3242069	3,20916	3,3705	-1,118325376	ENST00000495602	729159	NM_001282301	LOC729159
A_33_P3286278	17,4853	17,6467	-1,118371887	ENST00000053867	2896	NM_002087	GRN
A_33_P3251462	11,7727	11,9342	-1,118449409	ENST00000603872	128653	NM_080739	C2orf141
A_33_P3411392	1,61162	1,7732	-1,118511431	ENST00000435497	140875	N/A	LINC00028
A_22_P00006126	3,99074	4,15242	-1,118588963	N/A	N/A	CU674285	Inc-FAM174B-4

A_33_P3341239	14,0161	14,1779	-1,118682008	ENST00000276052	5127	NM_006201	CDK16
A_22_P00018655	1,59803	1,75985	-1,118697516	N/A	N/A	N/A	Inc-CREG1-2
A_33_P3234060	1,71317	1,87504	-1,118736288	ENST00000388975	346288	NM_207366	set-14
A_22_P00015552	3,19182	3,35371	-1,118751797	N/A	N/A	AK130710	Inc-STOM-1
A_24_P917026	9,2071	9,36899	-1,118751797	ENST00000358273	4763	NM_001042492	NF1
A_32_P167239	11,1462	11,3082	-1,118837101	ENST00000296721	134265	NM_152406	AFAP1L1
A_21_P0011521	4,05635	4,21837	-1,118852612	N/A	N/A	N/A	XLOC_I2_005692
A_23_P110052	1,57664	1,73873	-1,1189069	ENST00000330315	668	NM_023067	FOXL2
A_23_P60225	11,4575	11,6196	-1,118914656	ENST00000491488	9380	NM_012203	GRHPR
A_23_P384499	10,6444	10,8065	-1,118914656	ENST00000306801	57521	NM_020761	RPTOR
A_24_P156576	6,94242	7,10455	-1,118937923	ENST00000477386	54960	NM_017856	GEMIN8
A_32_P93391	9,85851	10,0207	-1,118984459	ENST00000397061	390916	NM_001105570	NUDT19
A_22_P00000522	12,6753	12,8375	-1,118992216	ENST00000582689	100287225	N/A	LOC100287225
A_33_P3258265	5,71318	5,87542	-1,119023241	ENST00000613223	10500	NM_030913	SEMA6C
A_19_P00322526	2,60286	2,76512	-1,119038754	ENST00000447262	104355138	N/A	LINC01162
A_23_P32629	1,65455	1,81683	-1,119054267	ENST00000620595	266722	NM_153456	HS6ST3
A_33_P3410166	1,65211	1,81441	-1,119069781	N/A	N/A	N/A	N/A
A_23_P4474	11,1752	11,3375	-1,119069781	ENST00000256433	51124	NM_016097	IER3IP1
A_21_P0012648	5,46585	5,62817	-1,119085295	N/A	N/A	N/A	XLOC_I2_011011
A_24_P353794	9,79614	9,95853	-1,119139594	ENST00000485438	2590	NM_004481	GALNT2
A_23_P156993	6,70866	6,87105	-1,119139594	ENST00000414802	4850	NM_001008225	CNOT4
A_33_P3279379	5,01344	5,17585	-1,119155109	ENST00000504533	171220	NR_033796	DSTNP2
A_22_P00011609	4,24597	4,40838	-1,119155109	N/A	101929066	NR_125430	LOC101929066
A_23_P142031	6,05944	6,22186	-1,119162866	ENST00000344158	646643	NM_001101401	SBK2
A_33_P3247342	4,82201	4,98444	-1,119170624	ENST00000402530	50636	NM_001001666	ANO7
A_24_P169896	3,70578	3,86826	-1,119209412	ENST00000619342	100653515	NM_001243541	KIAA1731NL
A_33_P3364289	7,10487	7,26735	-1,119209412	ENST00000613195	84941	NM_001291274	HSH2D
A_33_P3358582	1,59439	1,75688	-1,11921717	N/A	N/A	N/A	N/A
A_33_P3416966	1,68724	1,84974	-1,119224928	ENST00000389677	84553	NM_032511	FAXC
A_23_P204850	11,5486	11,7111	-1,119224928	ENST00000267163	5925	NM_000321	RB1
A_33_P3348670	2,84035	3,0029	-1,119263718	N/A	N/A	N/A	N/A
A_23_P106258	5,06552	5,22807	-1,119263718	ENST00000361529	283600	NM_207117	SLC25A47
A_33_P3381816	7,26705	7,42963	-1,119286992	ENST00000374921	27130	NM_183245	INVS

A_33_P3210343	10,0899	10,2525	-1,119302509	ENST00000396373	2120	NM_001987	ETV6
A_21_P0012485	2,56003	2,72265	-1,119318026	N/A	N/A	N/A	XL0C_I2_010511
A_33_P3381313	3,81025	3,97289	-1,119333543	ENST00000505231	729830	NM_001109977	FAM160A1
A_21_P0009285	4,93525	5,09789	-1,119333543	N/A	N/A	N/A	Inc-C1QTNF1-1
A_22_P00006360	3,61781	3,78049	-1,119364578	N/A	N/A	XM_006717819	Inc-FAS-1
A_23_P31840	15,3126	15,4753	-1,119380096	ENST00000534380	1936	NM_032378	EEF1D
A_33_P3380587	6,2464	6,40915	-1,119418891	ENST00000373206	26523	NM_012199	AGO1
A_33_P3335401	2,71611	2,87887	-1,119426651	N/A	N/A	N/A	N/A
A_23_P200030	7,33555	7,49832	-1,11943441	ENST00000370898	8790	NM_003838	FPGT
A_23_P103149	13,3825	13,5453	-1,119457688	ENST00000216254	50	NM_001098	ACO2
A_23_P139527	2,37229	2,53511	-1,119473207	ENST00000289004	3242	NM_002150	HPD
A_33_P3356075	4,99151	5,15443	-1,119550806	ENST00000396099	23175	NM_001261429	LPIN1
A_23_P301942	1,93597	2,09894	-1,119589607	ENST00000295440	4880	NM_024409	NPPC
A_33_P3394031	6,13215	6,29521	-1,119659453	ENST00000374223	91544	NM_183008	UBXN11
A_23_P33683	5,04392	5,20699	-1,119667214	ENST00000381035	51257	NM_016496	mar-02
A_22_P00008639	1,6789	1,842	-1,119690497	ENST00000524346	N/A	N/A	N/A
A_33_P3330786	1,63964	1,80278	-1,119721542	N/A	728339	XR_425830	LOC728339
A_22_P00000432	2,81195	2,97514	-1,119760349	N/A	N/A	N/A	Inc-AC073348.1-2
A_33_P3415042	10,5542	10,7174	-1,119768111	ENST00000393896	47	NM_001303274	ACLY
A_33_P3273884	1,94847	2,11175	-1,119830206	ENST00000477036	3117	NM_002122	HLA-DQA1
A_33_P3241071	1,63258	1,79586	-1,119830206	N/A	100287284	NM_001146221	MANSC4
A_23_P310331	11,6275	11,7908	-1,11984573	ENST00000340578	8498	NM_003624	RANBP3
A_19_P00810751	5,0576	5,22097	-1,119900066	N/A	N/A	N/A	Inc-GBP5-2
A_33_P3415744	8,25805	8,42144	-1,119915592	ENST00000438709	57730	NM_025190	ANKRD36B
A_33_P3416881	4,26662	4,43007	-1,119962169	ENST00000623058	29798	NM_013310	C2orf27A
A_23_P88626	3,18385	3,34731	-1,119969932	ENST00000300060	290	NM_001150	ANPEP
A_22_P00020938	6,51047	6,674	-1,120024274	N/A	N/A	AK057858	Inc-DHX34-2
A_24_P34611	3,62929	3,79283	-1,120032038	ENST00000260653	6496	NM_005413	SIX3
A_21_P0009835	3,82822	3,99182	-1,120078619	ENST00000449427	100270679	N/A	LINC01432
A_23_P149975	12,3794	12,543	-1,120078619	ENST00000378467	83641	NM_031453	FAM107B
A_23_P359616	11,9209	12,0846	-1,12015626	ENST00000370654	80135	NM_025065	RPF1
A_33_P3261869	7,2862	7,44994	-1,120187318	ENST00000397940	10361	NM_001286680	NPM2
A_23_P148473	5,79376	5,95751	-1,120195082	ENST00000456850	3561	NM_000206	IL2RG

A_21_P0007795	1,47685	1,64063	-1,120218376	N/A	N/A	N/A	Inc-SLC15A4-8
A_23_P371787	12,2319	12,3958	-1,120311557	ENST00000342745	9766	NM_014734	SUSD6
A_23_P209652	5,55436	5,71842	-1,120435811	ENST00000403263	54891	NM_017759	INO80D
A_33_P3407606	3,19496	3,35906	-1,120466876	ENST00000447323	4478	XR_426530	MSN
A_23_P34548	7,10382	7,26797	-1,120505709	ENST00000622598	10806	NM_006642	SDCCAG8
A_23_P132041	1,55151	1,71579	-1,120606682	ENST00000538900	140894	XM_005260295	CNBD2
A_24_P251962	6,35358	6,51787	-1,120614449	ENST00000231130	56133	NM_018936	PCDHB2
A_23_P379945	10,142	10,3063	-1,120622217	ENST00000389857	440193	NM_001080414	CCDC88C
A_19_P00317360	4,94872	5,11311	-1,120692127	ENST00000504381	27032	NM_001199182	ATP2C1
A_33_P3299934	1,62702	1,79141	-1,120692127	ENST00000581851	100289255	NR_036581	LINC00675
A_22_P00021677	10,6325	10,7969	-1,120699895	ENST00000340022	889	NM_194455	KRIT1
A_33_P3251054	10,9024	11,0668	-1,120699895	ENST00000357058	152006	NM_194328	RNF38
A_23_P357929	5,65678	5,82119	-1,120707663	ENST00000235345	23169	NM_015139	SLC35D1
A_23_P202458	11,0079	11,1724	-1,120777579	ENST00000298299	7570	NM_006963	ZNF22
A_33_P3347772	7,71876	7,88327	-1,120785347	ENST00000473479	4735	AK025163	set-02
A_33_P3393010	2,99243	3,15695	-1,120793116	ENST00000492861	91461	AK311155	PKDCC
A_23_P47466	2,22203	2,38656	-1,120800885	ENST00000287143	10394	NM_006093	PRG3
A_23_P216915	2,70485	2,86941	-1,120824192	ENST00000373588	2516	NM_004959	NR5A1
A_21_P0010501	5,75482	5,91948	-1,120901884	N/A	N/A	N/A	HOTAIR
A_22_P00003446	6,25547	6,4202	-1,120956272	N/A	N/A	N/A	Inc-CCDC51-1
A_22_P00012584	1,60968	1,77442	-1,120964042	N/A	100505832	XR_247058	PROX1-AS1
A_33_P3339987	2,5671	2,73188	-1,120995122	ENST00000490892	N/A	N/A	N/A
A_23_P80626	8,01775	8,18259	-1,121041744	ENST00000412055	285368	NM_207351	PRRT3
A_19_P00319276	3,27933	3,44418	-1,121049514	N/A	N/A	N/A	Inc-BMP7-2
A_23_P46039	1,75318	1,91805	-1,121065055	ENST00000236938	84824	NM_032738	FCRLA
A_23_P168610	10,1266	10,2915	-1,121088367	ENST00000262067	27075	NM_014399	TSPAN13
A_33_P3377100	1,65133	1,81626	-1,12111168	ENST00000237527	2691	NM_021081	GHRH
A_33_P3333537	7,60328	7,76821	-1,12111168	ENST00000395898	54832	NM_020821	VPS13C
A_33_P3352887	8,79362	8,95863	-1,121173849	ENST00000424684	388692	NR_111933	LOC388692
A_33_P3250830	5,2786	5,44362	-1,121181621	ENST00000367912	339512	XM_005245126	C1orf110
A_24_P66780	8,05677	8,22182	-1,121204935	ENST00000306858	222584	NM_001010872	FAM83B
A_23_P24926	13,6042	13,7693	-1,121243794	ENST00000525099	2339	NM_002027	FNTA
A_23_P45917	15,0745	15,2397	-1,121321515	ENST00000477676	1163	NM_001826	CKS1B

A_33_P3250521	1,60753	1,77274	-1,121329288	ENST00000355568	341676	NM_199289	NEK5
A_21_P0004755	2,32859	2,49384	-1,121360378	ENST00000420819	101927136	N/A	LOC101927136
A_23_P79572	3,58829	3,75358	-1,121391469	N/A	85009	NR_026664	MGC16025
A_32_P353798	12,3147	12,48	-1,121399242	ENST00000308020	81490	NM_030783	PTDSS2
A_23_P95302	12,5748	12,7401	-1,121399242	ENST00000392542	5985	NM_181578	RFC5
A_33_P3279407	1,61781	1,78319	-1,121461428	ENST00000619146	8224	NM_133633	SYN3
A_23_P76102	7,64632	7,81184	-1,12157026	ENST00000546799	10220	NM_005811	GDF11
A_33_P3255354	7,18839	7,35391	-1,12157026	ENST00000487810	22978	NM_012229	NT5C2
A_23_P54963	10,5784	10,744	-1,121632455	ENST00000493104	64978	NM_032478	MRPL38
A_33_P3375950	15,3528	15,5184	-1,121632455	ENST00000494116	N/A	N/A	N/A
A_23_P48217	8,99872	9,16438	-1,121679103	ENST00000326765	81575	NM_030817	APOLD1
A_21_P0007310	2,85447	3,02013	-1,121679103	N/A	100133545	NR_024471	MRPL23-AS1
A_23_P65472	1,39721	1,56297	-1,121756855	ENST00000557105	122651	NM_145250	RNASE11
A_22_P00004511	4,58928	4,75505	-1,12176463	N/A	N/A	N/A	Inc-CPT2-6
A_22_P00000491	1,66517	1,83097	-1,121787957	ENST00000446169	N/A	N/A	N/A
A_33_P3329991	10,8183	10,9841	-1,121787957	N/A	N/A	N/A	N/A
A_33_P3256396	1,90641	2,07224	-1,121811284	ENST00000496357	8447	NM_003585	DOC2B
A_33_P3382105	12,1604	12,3263	-1,121865716	N/A	N/A	N/A	N/A
A_23_P156748	11,466	11,6319	-1,121865716	ENST00000360359	23294	NM_015245	ANKS1A
A_22_P00002040	12,3128	12,4788	-1,121943481	N/A	N/A	AK055961	Inc-BHLHE41-2
A_23_P317105	8,61557	8,78157	-1,121943481	ENST00000225737	11216	NM_007202	AKAP10
A_22_P00004216	8,69404	8,86004	-1,121943481	N/A	283314	NR_026947	C1RL-AS1
A_21_P0012930	3,42312	3,58913	-1,121951257	ENST00000513919	643201	NR_036494	LOC643201
A_22_P00022191	1,74413	1,91015	-1,121959034	N/A	101929225	NR_110101	MCM8-AS1
A_33_P3300680	8,5976	8,76369	-1,122013473	ENST00000342680	83636	NM_001256046	C19orf12
A_23_P46429	13,5401	13,7062	-1,12202125	ENST00000617517	3491	NM_001554	CYR61
A_32_P108254	6,98347	7,14961	-1,12205236	ENST00000375556	54757	NM_017565	FAM20A
A_33_P3374049	9,75845	9,92461	-1,122067915	ENST00000567634	90231	NM_138346	KIAA2013
A_33_P3368675	8,75354	8,9197	-1,122067915	N/A	387263	NM_001029863	C6orf120
A_23_P152344	7,37532	7,54153	-1,122106804	ENST00000562609	2975	NM_001520	GTF3C1
A_23_P383590	1,62094	1,78718	-1,122130137	ENST00000484933	339524	NR_026985	LINC01140
A_22_P00018221	2,03474	2,20098	-1,122130137	ENST00000420585	N/A	N/A	N/A
A_24_P277747	8,8046	8,97095	-1,122215699	ENST00000394142	10695	NM_006586	CNPY3

A_22_P00014057	9,46904	9,63543	-1,122246814	ENST00000568471	N/A	N/A	N/A
A_22_P00006994	4,75431	4,92074	-1,122277929	N/A	N/A	N/A	Inc-GFI1B-1
A_22_P00017555	8,19031	8,35675	-1,122285708	N/A	N/A	AL136830	Inc-WDR45L-1
A_22_P00022326	4,23834	4,40487	-1,122355722	N/A	101927793	XR_424747	LOC101927793
A_21_P0013568	4,39217	4,55876	-1,122402401	ENST00000625012	N/A	N/A	N/A
A_33_P3353425	7,29122	7,45784	-1,122425741	ENST00000478329	57695	NM_020935	USP37
A_33_P3381781	5,52665	5,69332	-1,122464642	ENST00000369067	23248	N/A	RPRD2
A_22_P00023919	7,67503	7,84177	-1,122519105	N/A	N/A	N/A	Inc-MEGF10-1
A_21_P0013607	3,75925	3,92612	-1,122620259	N/A	101928483	N/A	LINC01573
A_21_P0007979	5,14805	5,31492	-1,122620259	ENST00000432770	N/A	N/A	N/A
A_21_P0010602	4,76036	4,92726	-1,122643604	ENST00000362058	9696	NM_014675	CROCC
A_22_P00002021	1,76124	1,92819	-1,122682512	N/A	100874313	NR_046839	AGBL4-IT1
A_21_P0007769	1,59147	1,75845	-1,122705858	N/A	N/A	N/A	Inc-MED13L-1
A_33_P3362812	14,7017	14,8688	-1,122799246	ENST00000416186	N/A	N/A	N/A
A_21_P0014429	1,64158	1,80869	-1,122807029	ENST00000462631	112885	XR_109729	PHF21B
A_22_P00016144	8,99905	9,16617	-1,122814811	ENST00000554218	379025	NR_029435	PSMA3-AS1
A_33_P3301915	2,40378	2,57095	-1,122853726	ENST00000500968	158880	NM_201286	USP51
A_22_P00020276	6,22251	6,3897	-1,122869292	ENST00000563660	4123	BX647111	MAN2C1
A_23_P167983	11,3062	11,4734	-1,122877075	ENST00000314088	8334	BC050602	HIST1H2AC
A_33_P3404566	4,75197	4,91917	-1,122877075	N/A	N/A	N/A	N/A
A_23_P218131	10,3485	10,5157	-1,122877075	ENST00000398337	64423	NM_032714	INF2
A_33_P3299719	1,96841	2,13571	-1,12295491	ENST00000329335	94137	AK127545	RP1L1
A_23_P59153	10,4951	10,6625	-1,12303275	ENST00000375661	57819	NM_021177	LSM2
A_33_P3309804	4,69904	4,86649	-1,123071672	ENST00000530028	23741	NM_014335	EID1
A_22_P00002114	1,44304	1,61052	-1,123095026	ENST00000518902	N/A	N/A	N/A
A_33_P3351259	4,81091	4,97843	-1,123126165	N/A	100130560	AK127462	LOC100130560
A_22_P00002048	13,8017	13,9693	-1,123188446	N/A	N/A	BX648058	Inc-BID-2
A_33_P3210622	6,65853	6,82617	-1,123219588	ENST00000482921	79754	NM_024701	ASB13
A_19_P00321166	8,02505	8,19271	-1,123235159	N/A	100132356	NR_034127	LOC100132356
A_21_P0003828	5,83608	6,00384	-1,123313018	N/A	N/A	N/A	Inc-TBC1D19-4
A_22_P00008945	1,96118	2,12899	-1,12335195	N/A	N/A	BC042076	Inc-KRT81-3
A_21_P0000034	8,3851	8,55292	-1,123359737	ENST00000299335	1353	NM_004375	COX11
A_21_P0010339	4,55818	4,72615	-1,123476541	ENST00000438850	N/A	N/A	N/A



A_23_P121480	1,67397	1,84194	-1,123476541	ENST00000478595	4345	NM_001004196	CD200
A_23_P99163	10,0509	10,2189	-1,123499903	ENST00000258534	55332	NM_018370	DRAM1
A_21_P0000463	8,84866	9,01666	-1,123499903	N/A	100113382	NR_003688	SNORD105B
A_21_P0009988	2,02539	2,19345	-1,123546629	N/A	N/A	N/A	Inc-LSM14B-1
A_22_P00003211	1,82805	1,99614	-1,123569993	ENST00000532768	102724496	N/A	LOC102724496
A_33_P3210904	6,90498	7,07307	-1,123569993	ENST00000397101	6396	AK095629	SEC13
A_21_P0011605	9,37733	9,54543	-1,123577781	ENST00000565833	201283	NR_026903	AMZ2P1
A_22_P00012468	6,80027	6,96838	-1,123585569	N/A	100506325	NR_103857	SP2-AS1
A_33_P3421183	4,22479	4,39293	-1,123608933	ENST00000473333	N/A	N/A	N/A
A_22_P00023586	6,9734	7,14176	-1,123780288	ENST00000497089	3205	NM_152739	HOXA9
A_24_P297537	5,02216	5,19053	-1,123788078	ENST00000356751	284358	NM_182574	MAMSTR
A_23_P1956	12,4357	12,6041	-1,123811447	ENST00000307366	79064	NM_001080501	TMEM223
A_21_P0014590	3,30546	3,47389	-1,123834816	N/A	N/A	N/A	N/A
A_22_P00025377	1,60014	1,76858	-1,123842606	N/A	100874237	NR_046666	CACNA2D3-AS1
A_24_P389491	10,2573	10,4258	-1,123889346	ENST00000461102	51117	NM_016035	COQ4
A_21_P0012667	1,66359	1,83214	-1,123928298	ENST00000503987	101927237	NR_110747	LOC101927237
A_33_P3309646	3,31699	3,48557	-1,123951669	ENST00000441159	N/A	AK090395	N/A
A_22_P00024035	1,65669	1,82529	-1,123967251	ENST00000424084	N/A	N/A	N/A
A_21_P0010932	2,15386	2,32254	-1,124029578	ENST00000417149	N/A	N/A	N/A
A_33_P3255209	11,6726	11,8413	-1,124045161	ENST00000281923	4249	NM_002410	MGAT5
A_21_P0005490	1,42541	1,59414	-1,124068535	N/A	N/A	N/A	Inc-HERPUD2-4
A_32_P220696	8,20812	8,37687	-1,124084118	ENST00000276602	7013	NM_017489	TERF1
A_23_P137434	12,7729	12,9417	-1,124123076	ENST00000242719	26994	NM_014372	RNF11
A_23_P155477	5,29344	5,46225	-1,124130868	ENST00000449241	51161	NM_016210	C3orf18
A_22_P00001437	2,74335	2,91218	-1,124146452	ENST00000450551	N/A	N/A	N/A
A_22_P00021771	1,38641	1,55526	-1,124162036	ENST00000414065	N/A	N/A	N/A
A_33_P3351745	4,50108	4,66994	-1,124169828	ENST00000451963	79037	NM_024070	PVRIG
A_22_P00016584	5,89883	6,06772	-1,124193205	ENST00000423632	N/A	N/A	N/A
A_33_P3357918	14,2442	14,4132	-1,124278924	ENST00000252603	25796	NM_012088	PGLS
A_21_P0006976	3,89596	4,06496	-1,124278924	ENST00000455612	101929117	XR_242740	LOC101929117
A_21_P0011491	18,2952	18,4642	-1,124278924	N/A	N/A	N/A	XLOC_l2_005557
A_21_P0003075	4,86787	5,03688	-1,124286717	ENST00000434896	N/A	N/A	N/A
A_24_P313180	3,62469	3,79374	-1,124317889	ENST00000256319	11161	AF134159	C14orf1

A_23_P97283	10,5021	10,6712	-1,124356856	ENST00000468632	79957	NM_024897	PAQR6
A_21_P0000604	2,91576	3,08487	-1,124364649	ENST00000514950	390213	NR_033791	DOC2GP
A_22_P00018296	4,21395	4,38306	-1,124364649	N/A	N/A	N/A	Inc-ZNF814-1
A_23_P335848	9,65243	9,82162	-1,124426999	ENST00000361006	9815	NM_057169	GIT2
A_22_P00000560	6,18823	6,35746	-1,124458175	N/A	N/A	N/A	Inc-AC127496.3-4
A_33_P3279470	4,26218	4,43141	-1,124458175	ENST00000290953	181	NM_001138	AGRP
A_22_P00014138	3,24002	3,4093	-1,124497146	ENST00000424453	N/A	N/A	N/A
A_21_P0000518	2,74538	2,91467	-1,124504941	ENST00000514871	283731	NR_027073	LOC283731
A_21_P0010673	3,51511	3,68451	-1,124590683	ENST00000617077	101928976	N/A	LOC101928976
A_22_P00005635	3,40904	3,57849	-1,124629659	N/A	102724805	XR_425420	LOC102724805
A_33_P3210160	18,4953	18,6648	-1,124668637	ENST00000432005	100507290	NM_001195605	ZNF865
A_23_P143127	13,1503	13,3198	-1,124668637	ENST00000318522	27436	XM_005264267	EML4
A_32_P85813	9,70836	9,87792	-1,124715411	ENST00000408927	5910	NM_001100426	RAP1GDS1
A_33_P3332744	6,46538	6,63497	-1,124738799	ENST00000586175	9267	NM_001292018	CYTH1
A_33_P3390232	4,97843	5,14805	-1,124762188	N/A	N/A	BX648392	N/A
A_33_P3406281	7,07173	7,24137	-1,124777781	ENST00000262878	25939	NM_015474	SAMHD1
A_23_P164638	7,13651	7,3062	-1,124816763	ENST00000442920	79744	NM_024691	ZNF419
A_23_P39453	8,82358	8,99329	-1,124832356	ENST00000402693	399664	NM_203304	MEX3D
A_24_P268015	10,2135	10,3833	-1,124902529	ENST00000373073	64769	NM_022756	MEAF6
A_23_P304287	13,1158	13,2856	-1,124902529	ENST00000292644	5701	NM_002803	PSMC2
A_21_P0006814	1,748	1,91781	-1,124910327	N/A	N/A	N/A	Inc-PFKP-8
A_33_P3302344	3,67042	3,84026	-1,124933719	N/A	100128320	AK125438	LOC100128320
A_22_P00024044	4,61645	4,78633	-1,124964909	ENST00000561310	N/A	DA446599	N/A
A_23_P108028	10,2537	10,4236	-1,124980504	ENST00000456324	7705	NM_007145	ZNF146
A_33_P3585268	15,8778	16,0478	-1,125058485	ENST00000490122	2771	NM_001282619	GNAI2
A_23_P4572	15,275	15,445	-1,125058485	ENST00000578611	10627	NM_006471	MYL12A
A_21_P0014073	4,65316	4,82324	-1,125120873	N/A	101927886	XR_241120	LOC101927886
A_24_P111511	7,16612	7,33621	-1,125128672	ENST00000392695	79809	NM_024753	TTC21B
A_33_P3247678	10,8249	10,995	-1,125136471	N/A	N/A	N/A	N/A
A_33_P3350892	4,29218	4,46229	-1,125144269	N/A	651337	AK125987	LOC651337
A_23_P167805	2,49181	2,662	-1,125206662	ENST00000615536	135152	NM_080742	B3GAT2
A_22_P00020132	1,63288	1,80308	-1,125214462	N/A	N/A	N/A	Inc-RPS4XP21-1
A_23_P86182	13,7868	13,957	-1,125214462	ENST00000581066	54460	NM_031901	MRPS21

A_33_P3246026	1,5495	1,71973	-1,12523786	ENST00000334879	644414	NM_001040448	DEFB131
A_21_P0000017	5,0689	5,23915	-1,125253459	N/A	6224	NM_001146227	RPS20
A_33_P3273394	1,67469	1,84499	-1,125292458	N/A	101928423	XR_242343	LOC101928423
A_23_P82351	7,97286	8,14319	-1,125315858	ENST00000434373	27241	NM_198428	BBS9
A_32_P89679	8,5983	8,76872	-1,125386061	ENST00000308742	144245	NM_001013620	ALG10B
A_33_P3399755	9,89781	10,0683	-1,125440667	ENST00000570199	2038	N/A	EPB42
A_33_P3411397	15,508	15,6785	-1,125448468	ENST00000381401	293	NM_001636	SLC25A6
A_22_P00016227	1,77137	1,94189	-1,12546407	ENST00000437113	104355149	N/A	LINC01039
A_21_P0000901	3,43102	3,60156	-1,125479672	N/A	285266	NR_040100	ENTPD3-AS1
A_23_P214046	12,1989	12,3695	-1,125526481	ENST00000265094	23291	NM_012300	FBXW11
A_23_P71649	3,776	3,94663	-1,125549886	ENST00000374448	4593	NM_005592	MUSK
A_33_P3246028	1,71883	1,88946	-1,125549886	ENST00000409358	149069	NM_001099434	DCDC2B
A_21_P0007559	1,77035	1,94103	-1,125588895	N/A	N/A	N/A	Inc-TARBP2-3
A_22_P00004674	2,17415	2,34484	-1,125596697	ENST00000562572	N/A	N/A	N/A
A_24_P336848	10,3623	10,533	-1,125604499	ENST00000394666	98	NM_138448	ACYP2
A_23_P201711	17,4152	17,5859	-1,125604499	ENST00000462776	6277	NM_014624	S100A6
A_24_P831309	8,64794	8,81865	-1,125612301	ENST00000408893	388759	NM_207401	C1orf229
A_33_P3357573	3,47481	3,64552	-1,125612301	ENST00000398940	55534	NM_018717	MAML3
A_19_P00326248	3,94088	4,11175	-1,125737142	N/A	N/A	N/A	Inc-CHIC1-2
A_21_P0004858	1,59346	1,76434	-1,125744945	N/A	N/A	N/A	Inc-BTN3A2-1
A_32_P136402	12,7673	12,9382	-1,125760552	ENST00000469153	80145	NM_025075	THOC7
A_33_P3367830	8,68822	8,85916	-1,125791765	ENST00000526628	30008	NM_016938	EFEMP2
A_33_P3346529	1,61382	1,78476	-1,125791765	ENST00000366492	441932	NM_001004698	OR2W5
A_33_P3870906	1,77156	1,94252	-1,125807372	N/A	100507634	N/A	LOC100507634
A_23_P331253	8,93652	9,10748	-1,125807372	ENST00000369658	7511	NM_020383	XPNPEP1
A_22_P00012092	1,61268	1,78368	-1,125838586	ENST00000579752	94151	NR_103559	CDRT8
A_22_P00016098	2,24067	2,41171	-1,125869801	N/A	N/A	N/A	Inc-THRSP-1
A_22_P00006910	2,80342	2,97452	-1,125916626	N/A	N/A	BI461347	Inc-GAS2-1
A_33_P3216458	3,2905	3,46165	-1,125955648	ENST00000444281	8745	NM_003812	ADAM23
A_22_P00020656	1,73699	1,90819	-1,125994671	N/A	N/A	AK098665	Inc-RNF144B-1
A_22_P00010713	4,44332	4,61454	-1,126010281	N/A	N/A	N/A	Inc-NGFR-1
A_21_P0009077	4,20241	4,37372	-1,126080527	N/A	N/A	N/A	Inc-GINS2-3
A_21_P0011212	4,69095	4,86233	-1,126135166	ENST00000424329	101930748	N/A	LINC00367

A_33_P3292719	1,62507	1,79659	-1,126244453	ENST00000293922	390667	NM_001013658	PTX4
A_22_P00024695	7,61395	7,78551	-1,126275679	N/A	100506469	NR_038396	TMEM147-AS1
A_22_P00007508	1,64028	1,81188	-1,126306907	ENST00000435352	N/A	DB100530	N/A
A_33_P3417695	11,2542	11,4259	-1,126384979	ENST00000329363	440836	NM_001014440	ODF3B
A_21_P0001553	4,81862	4,99035	-1,126408402	N/A	N/A	N/A	Inc-DPYD-1
A_33_P3324394	2,52678	2,69851	-1,126408402	ENST00000537380	4261	NM_001286403	CIITA
A_33_P3567512	9,77275	9,94465	-1,12654114	ENST00000566025	N/A	BC125059	N/A
A_23_P149206	11,6464	11,8183	-1,12654114	ENST00000356836	8704	NM_003780	B4GALT2
A_21_P0002185	4,14398	4,31591	-1,126564566	N/A	N/A	N/A	Inc-EFR3B-3
A_33_P3289536	5,49473	5,66667	-1,126572375	ENST00000462993	29887	NM_001199835	SNX10
A_23_P29422	8,45437	8,62633	-1,126587992	ENST00000296048	2992	NM_004130	GYG1
A_23_P501339	9,83753	10,0096	-1,126673894	ENST00000562041	10423	NM_006319	CDIPT
A_22_P00005314	5,54585	5,71794	-1,126689513	N/A	N/A	N/A	Inc-DNASE1-1
A_22_P00009029	12,784	12,9561	-1,126697322	N/A	84973	NR_024543	SNHG7
A_22_P00005977	2,36878	2,54089	-1,126705132	N/A	285780	NR_026970	LY86-AS1
A_33_P3280841	3,71488	3,88707	-1,126767612	ENST00000417193	388387	NR_027254	LINC00671
A_33_P3325758	3,2238	3,39618	-1,126916014	N/A	N/A	XM_001714032	Inc-SPATC1-1
A_33_P3349591	5,91389	6,08632	-1,126955071	ENST00000607327	100129461	NR_126016	LOC100129461
A_22_P00005359	5,08669	5,25912	-1,126955071	ENST00000521601	1807	NM_001385	DPYS
A_23_P143994	7,57788	7,75042	-1,127041	ENST00000421731	2177	NM_001018115	FANCD2
A_33_P3324805	5,00649	5,17907	-1,127072249	ENST00000430831	N/A	N/A	N/A
A_23_P200386	14,0233	14,1959	-1,127087874	ENST00000307714	10657	NM_006559	KHDRBS1
A_24_P319354	9,78835	9,96097	-1,127103499	ENST00000439961	7341	NM_001005781	SUMO1
A_33_P3376786	1,47572	1,64839	-1,127142562	ENST00000377469	102724515	XR_425415	LINC01291
A_23_P117494	13,4467	13,6194	-1,127166	ENST00000556284	4522	NM_005956	MTHFD1
A_23_P145175	8,90066	9,07343	-1,127220692	ENST00000361428	24149	NM_014345	ZNF318
A_33_P3305851	7,53923	7,7121	-1,127298828	ENST00000471696	51714	NM_016275	SELT
A_23_P257895	9,48185	9,65476	-1,127330083	ENST00000544786	5594	NM_138957	MAPK1
A_22_P00004355	4,85354	5,02646	-1,127337898	N/A	N/A	AK026906	Inc-COL24A1-1
A_23_P217178	3,7396	3,91252	-1,127337898	ENST00000285879	9947	NM_005462	MAGEC1
A_23_P125435	1,58419	1,75714	-1,12736134	ENST00000295454	2560	NM_000812	GABRB1
A_33_P3893191	8,85367	9,02662	-1,12736134	ENST00000491724	100169989	NR_036635	DBIL5P2
A_23_P15564	12,6866	12,8596	-1,127400412	ENST00000577866	51321	NM_016627	AMZ2

A_23_P146077	11,7617	11,9348	-1,12747856	ENST00000344423	55893	NM_018660	ZNF395
A_22_P00012195	2,00505	2,17816	-1,127486375	ENST00000519319	100750225	NR_045262	PCAT1
A_24_P36890	5,6363	5,80945	-1,127517636	ENST00000611549	5909	NM_002885	RAP1GAP
A_23_P164927	6,91946	7,09265	-1,127548898	ENST00000344846	23546	NM_012451	SYNGR4
A_22_P00009587	3,71209	3,88531	-1,127572345	N/A	N/A	N/A	Inc-MAPK6-1
A_24_P416411	8,59188	8,76512	-1,127587977	ENST00000613219	5193	NM_000286	PEX12
A_23_P315789	7,86316	8,03642	-1,127603609	ENST00000255476	5994	NM_000538	RFXAP
A_33_P3276918	7,74601	7,91929	-1,127619241	ENST00000405197	54478	NM_001195228	FAM64A
A_23_P300867	8,36697	8,54034	-1,127689587	ENST00000545536	145282	NM_138731	MIPOL1
A_22_P00013919	4,11688	4,29026	-1,127697404	N/A	N/A	N/A	Inc-RPS6-1
A_33_P3401252	12,756	12,9294	-1,127713037	ENST00000415545	N/A	AY956769	N/A
A_23_P48807	10,8754	11,0488	-1,127713037	ENST00000560031	2585	NM_001001556	GALK2
A_33_P3229256	14,5789	14,7523	-1,127713037	ENST00000583655	30833	NM_014595	NT5C
A_22_P00004074	3,21652	3,38992	-1,127713037	N/A	N/A	N/A	Inc-CIB2-1
A_23_P400235	10,4355	10,6089	-1,127713037	ENST00000274813	4594	NM_000255	MUT
A_21_P0005843	5,47705	5,65066	-1,1278772	N/A	N/A	N/A	Inc-ASPH-6
A_21_P0006924	3,02511	3,19873	-1,127885018	N/A	N/A	N/A	Inc-SEC23IP-1
A_21_P0013826	5,85578	6,0294	-1,127885018	ENST00000412509	N/A	N/A	N/A
A_33_P3266889	4,04702	4,22075	-1,127971018	N/A	N/A	N/A	N/A
A_33_P3259960	4,07638	4,25012	-1,127978837	N/A	100128019	AK125579	LOC100128019
A_33_P3270802	14,0363	14,2101	-1,128025749	ENST00000540437	54973	NM_001256456	CPSF3L
A_22_P00012285	6,68174	6,85554	-1,128025749	N/A	101927489	NR_120623	TCERG1L-AS1
A_21_P0005313	1,42514	1,59899	-1,128064844	ENST00000413094	N/A	N/A	N/A
A_33_P3251617	5,52032	5,69417	-1,128064844	ENST00000409912	388948	NR_034099	LINC01118
A_23_P142950	10,6699	10,8438	-1,128103941	ENST00000409480	26058	NM_015575	GIGYF2
A_23_P131626	12,4649	12,6389	-1,128182137	ENST00000497539	23020	NM_014014	SNRNP200
A_33_P3269723	6,63744	6,8115	-1,128229058	ENST00000497434	125150	NM_001042697	ZSWIM7
A_23_P218654	13,279	13,4531	-1,12826034	ENST00000477340	84619	NM_032527	ZGPAT
A_22_P00019065	5,61311	5,78724	-1,128283802	N/A	N/A	DA880232	Inc-RP11-1105G2.3.1-3
A_23_P30956	9,93197	10,1061	-1,128283802	ENST00000369278	23376	NM_015323	UFL1
A_21_P0005285	1,36924	1,54339	-1,128299443	ENST00000425322	N/A	N/A	N/A
A_23_P411922	7,94292	8,11707	-1,128299443	ENST00000548825	25766	NM_001031698	PRPF40B
A_21_P0000385	6,49021	6,66438	-1,128315085	ENST00000595794	692204	NR_003069	SNORD88C

A_23_P122775	9,9948	10,169	-1,128338548	ENST00000539449	84816	NM_032730	RTN4IP1
A_24_P280901	15,849	16,0233	-1,128416761	ENST00000497298	6144	NM_000982	RPL21
A_32_P183918	4,16764	4,34195	-1,128424582	ENST00000420981	221756	NR_033851	SERPINB9P1
A_24_P409042	12,2384	12,4128	-1,128494979	ENST00000505065	56990	NM_020240	CDC42SE2
A_33_P3341474	4,1828	4,35721	-1,128502801	ENST00000514251	253461	NM_001080412	ZBTB38
A_33_P3272952	1,71233	1,88683	-1,128573203	N/A	N/A	N/A	N/A
A_21_P0002596	1,60981	1,78434	-1,128596672	N/A	N/A	N/A	Inc-LGALSL-1
A_23_P78289	11,373	11,5476	-1,128651433	ENST00000405159	84923	NM_032837	FAM104A
A_24_P287941	8,835	9,00965	-1,12869055	ENST00000253789	29893	NM_013290	PSMC3IP
A_33_P3241646	8,36846	8,54319	-1,128753139	ENST00000239231	79646	NM_024594	PANK3
A_33_P3215178	6,90889	7,08367	-1,128792259	ENST00000409527	9091	NM_004204	PIGQ
A_21_P0012690	1,646	1,82084	-1,128839206	N/A	N/A	N/A	XLOC_I2_011302
A_22_P00001350	4,08383	4,25867	-1,128839206	N/A	N/A	N/A	Inc-AP001496.1-10
A_21_P0014782	8,84432	9,0192	-1,128870504	ENST00000585776	N/A	AK097447	N/A
A_21_P0005634	1,3862	1,5611	-1,128886154	ENST00000500180	101927657	NR_125421	LOC101927657
A_21_P0000095	7,67275	7,84775	-1,128964405	ENST00000540122	8226	NM_001178135	HDHD1
A_22_P00008771	4,89779	5,07284	-1,129003532	N/A	101927979	XR_243582	LOC101927979
A_19_P00808758	14,3784	14,5535	-1,129042661	N/A	N/A	N/A	N/A
A_21_P0010979	8,00169	8,17684	-1,129081792	ENST00000619960	N/A	XM_006718754	N/A
A_33_P3653330	1,6151	1,79028	-1,129105271	ENST00000602584	6416	NM_001281435	MAP2K4
A_21_P0014665	9,40399	9,57919	-1,129120923	N/A	102723630	XR_424068	LOC102723630
A_33_P3287710	7,2989	7,47415	-1,129160056	N/A	100128292	NR_024585	DLG5-AS1
A_23_P66487	9,442	9,61729	-1,129191364	ENST00000323347	6603	NM_001098426	SMARCD2
A_21_P0006946	3,35917	3,53453	-1,129246154	N/A	N/A	N/A	Inc-PITRM1-7
A_24_P135628	10,2906	10,466	-1,129277464	ENST00000610809	N/A	XM_005276385	N/A
A_23_P258393	7,2233	7,39874	-1,129308774	ENST00000296487	132160	NM_144641	PPM1M
A_21_P0006312	2,85917	3,03461	-1,129308774	N/A	N/A	N/A	Inc-SLC46A2-2
A_24_P53241	1,3963	1,5718	-1,129355742	ENST00000395988	93649	NM_153604	MYOCD
A_23_P170626	12,3257	12,5012	-1,129355742	ENST00000355315	79145	NM_001011667	CHCHD7
A_21_P0003604	4,50036	4,6759	-1,129387055	N/A	N/A	N/A	Inc-DCAF4L1-1
A_22_P00017147	4,07436	4,24992	-1,129402711	ENST00000529094	N/A	BC040333	N/A
A_21_P0011354	10,7697	10,9453	-1,129434026	N/A	N/A	N/A	XLOC_I2_004844
A_33_P3327642	10,607	10,7826	-1,129434026	ENST00000374211	55057	NM_001039775	AIM1L

A_23_P130343	12,1822	12,3578	-1,129434026	ENST00000580059	284252	NM_198991	KCTD1
A_23_P47691	7,45132	7,62699	-1,129488827	ENST00000254436	6737	NM_003141	TRIM21
A_33_P3545065	10,1242	10,2999	-1,129512315	ENST00000579186	6458	NR_033412	SH3GL1P1
A_22_P00024304	1,79542	1,97119	-1,12956712	N/A	N/A	AK026213	Inc-PEA15-1
A_33_P3239338	13,1108	13,2866	-1,129590609	ENST00000527211	8525	NM_001105540	DGKZ
A_23_P202138	9,32666	9,50253	-1,129645419	ENST00000224807	81855	NM_030971	SFXN3
A_22_P00017635	4,73256	4,90844	-1,129653249	N/A	N/A	N/A	Inc-WNT1-2
A_21_P0008886	1,44451	1,62043	-1,12968457	ENST00000567317	101928276	N/A	LINC01227
A_33_P3373214	9,45543	9,63142	-1,129739384	ENST00000357082	100533106	NM_001204180	ZHX1-C8orf76
A_33_P3270852	17,6664	17,8424	-1,129747215	ENST00000496507	6235	NM_001032	RPS29
A_21_P0011528	1,62795	1,80397	-1,129762876	N/A	N/A	N/A	XLOC_I2_005695
A_24_P401174	5,50627	5,68229	-1,129762876	ENST00000567894	23247	NM_015202	KIAA0556
A_22_P00003461	3,42743	3,60346	-1,129770707	ENST00000553177	100131138	N/A	LINC01405
A_21_P0009637	1,64447	1,82052	-1,129786369	N/A	N/A	N/A	Inc-FBXO15-5
A_21_P0002910	1,59834	1,77439	-1,129786369	ENST00000457125	N/A	N/A	N/A
A_23_P145935	8,59902	8,77507	-1,129786369	ENST00000614832	2051	NM_004445	EPHB6
A_21_P0012893	2,16337	2,33951	-1,129856851	N/A	N/A	N/A	Inc-MYO10-1
A_33_P3336642	9,87576	10,0519	-1,129856851	ENST00000513006	84321	NM_032361	THOC3
A_22_P00024656	1,63767	1,81389	-1,129919506	ENST00000454625	N/A	N/A	N/A
A_33_P3356910	7,77482	7,95105	-1,129927338	ENST00000372773	158931	NM_001006938	TCEAL6
A_33_P3403952	4,46093	4,63717	-1,12993517	N/A	84193	BC066931	SETD3
A_23_P77545	2,54681	2,72307	-1,129950834	ENST00000293897	6755	NM_001053	SSTR5
A_22_P00004788	5,57199	5,74831	-1,129997828	N/A	N/A	N/A	Inc-CXADR-1
A_24_P186274	4,54418	4,72058	-1,13006049	ENST00000377694	347252	NM_001007563	IGFBPL1
A_21_P0014023	13,6375	13,8139	-1,13006049	N/A	N/A	N/A	N/A
A_33_P3234277	6,37396	6,55037	-1,130068323	ENST00000463243	3113	NM_001242524	HLA-DPA1
A_23_P43119	2,02259	2,19905	-1,130107489	ENST00000276616	85481	NM_033126	PSKH2
A_24_P319923	2,18416	2,36067	-1,130146657	ENST00000418370	4638	NM_053025	MYLK
A_19_P00321571	2,95288	3,1294	-1,13015449	N/A	102216342	NR_108097	LINC01108
A_21_P0010045	3,50816	3,68469	-1,130162324	N/A	N/A	N/A	Inc-SLC35C2-1
A_22_P00024613	3,86732	4,04386	-1,130170158	N/A	101929472	NR_109945	CTD-2350J17.1
A_21_P0013686	1,41162	1,58821	-1,130209327	ENST00000449730	N/A	N/A	N/A
A_23_P117380	6,60899	6,78561	-1,130232829	ENST00000617881	90050	NM_138344	FAM181A

A_22_P00003263	2,53594	2,7126	-1,130264166	ENST00000444942	400238	N/A	LINC00642
A_24_P269814	13,2157	13,3925	-1,130373853	ENST00000368988	59338	NM_001001974	PLEKHA1
A_22_P00007635	6,56847	6,74529	-1,130389524	N/A	285512	NR_002806	FAM13A-AS1
A_21_P0008811	1,87587	2,05269	-1,130389524	ENST00000566676	N/A	XR_424585	N/A
A_32_P24372	4,17518	4,35201	-1,130397359	ENST00000581291	414060	NM_001001418	TBC1D3C
A_23_P54340	1,36091	1,53775	-1,130405194	ENST00000422354	84465	NM_032445	MEGF11
A_22_P00004211	4,79955	4,97639	-1,130405194	ENST00000503067	100506791	NR_125810	LINC01511
A_33_P3352664	6,04419	6,22105	-1,130420865	ENST00000303846	121340	NM_001300837	SP7
A_33_P3395971	8,18715	8,36405	-1,130452207	ENST00000421832	90353	NM_145232	CTU1
A_33_P3268343	13,5418	13,7187	-1,130452207	ENST00000334828	441531	NM_001029891	PGAM4
A_24_P219053	7,25604	7,43295	-1,130460043	ENST00000497558	55425	AB051491	GPALPP1
A_23_P335905	7,334	7,51098	-1,130514895	ENST00000440309	27148	NM_015690	STK36
A_33_P3394312	4,29196	4,46899	-1,130554076	ENST00000408979	442361	NM_001005480	OR2A2
A_22_P00011689	1,50134	1,6784	-1,130577586	N/A	N/A	N/A	Inc-PDGFRL-1
A_23_P117558	12,9085	13,0856	-1,130608932	ENST00000216330	2287	NM_002013	FKBP3
A_22_P00012830	7,35086	7,52796	-1,130608932	N/A	100505894	NR_039995	TMEM161B-AS1
A_22_P00005107	2,73681	2,91395	-1,13064028	N/A	101927702	XR_245766	LOC101927702
A_21_P0011769	1,59984	1,77704	-1,130687303	ENST00000453968	102723617	N/A	LOC102723617
A_24_P207727	10,0636	10,2408	-1,130687303	ENST00000493216	51586	NM_001003891	MED15
A_24_P207828	1,68147	1,85868	-1,13069514	ENST00000368780	26239	NM_014357	LCE2B
A_22_P00013539	4,28851	4,46581	-1,130765679	ENST00000521904	N/A	BF701780	N/A
A_32_P96719	9,18699	9,36441	-1,130859737	ENST00000303383	79801	NM_024745	SHCBP1
A_22_P00014322	1,39773	1,57518	-1,130883253	N/A	N/A	N/A	Inc-SERPINB8-3
A_33_P3331335	1,89896	2,07644	-1,130906769	ENST00000409262	200424	NM_001287491	TET3
A_33_P3531206	3,04157	3,21906	-1,130914608	N/A	542767	NM_001014442	C1QTNF9B-AS1
A_23_P66117	12,8608	13,0383	-1,130922447	ENST00000301678	83986	NM_032039	ITFG3
A_22_P00015071	4,43231	4,60984	-1,130945964	N/A	N/A	N/A	Inc-SNTG2-4
A_22_P00022809	4,04186	4,21941	-1,130961643	ENST00000561051	N/A	DA472297	N/A
A_21_P0008654	1,70245	1,88002	-1,130977321	ENST00000615095	101929221	N/A	C15orf59-AS1
A_24_P161914	7,93462	8,11225	-1,131024358	ENST00000415103	N/A	N/A	N/A
A_33_P3311267	7,75698	7,93462	-1,131032198	ENST00000334055	337969	NM_181608	KRTAP19-2
A_33_P3371154	2,77084	2,9485	-1,131047877	ENST00000373784	22891	NM_199451	ZNF365
A_23_P54953	7,87545	8,05314	-1,131071397	ENST00000579877	29115	NM_013260	SAP30BP



A_33_P3275422	8,90501	9,08274	-1,131102757	ENST00000360899	283601	NR_024096	LINC00523
A_33_P3218356	9,35882	9,53657	-1,131118438	ENST00000479160	56900	NM_020141	TMEM167B
A_23_P110846	9,87834	10,0561	-1,131126278	ENST00000517876	9337	NM_004779	CNOT8
A_23_P44956	17,6716	17,8494	-1,13115764	ENST00000439255	6165	NM_000996	RPL35A
A_33_P3248900	12,4963	12,6741	-1,13115764	ENST00000526704	399844	NR_028324	LINC01002
A_19_P00805291	14,8669	15,0447	-1,13115764	ENST00000406671	N/A	N/A	N/A
A_22_P00015227	1,56822	1,74608	-1,131204685	ENST00000437243	N/A	BG216764	N/A
A_22_P00023795	2,07359	2,25155	-1,131283097	N/A	N/A	N/A	Inc-NCL-2
A_33_P3369213	5,10334	5,28137	-1,131337988	ENST00000616693	399744	NR_024497	LINC00999
A_21_P0007021	1,52526	1,70332	-1,131361514	N/A	N/A	N/A	Inc-VAX1-1
A_33_P3333480	4,14335	4,32148	-1,131416409	N/A	171022	NR_026690	ABHD11-AS1
A_24_P361457	6,01877	6,19695	-1,131455622	ENST00000518137	284131	NM_173627	ENDOV
A_23_P159039	13,6175	13,7957	-1,131471307	ENST00000377533	23513	NM_182706	SCRIB
A_23_P316531	5,92642	6,10463	-1,13147915	ENST00000304244	2848	NM_005298	GPR25
A_22_P00007097	3,5521	3,73038	-1,131534051	N/A	102724883	XR_424187	LOC102724883
A_24_P102880	4,52999	4,70838	-1,131620329	ENST00000367296	89796	NM_020443	NAV1
A_33_P3254650	2,66623	2,84463	-1,131628173	N/A	N/A	N/A	N/A
A_33_P3381265	5,89419	6,07259	-1,131628173	ENST00000532621	51700	NM_001302826	CYB5R2
A_33_P3264188	1,58588	1,76429	-1,131636017	ENST00000317834	120775	NM_001004684	OR2D3
A_33_P3215739	7,78031	7,95876	-1,131667393	ENST00000383693	348801	NM_001085451	LNP1
A_22_P00002176	3,3324	3,51091	-1,131714459	N/A	85001	NR_026914	MGC16275
A_21_P0013749	2,07921	2,25777	-1,131753682	N/A	N/A	N/A	XLOC_I2_015441
A_21_P0004202	4,59507	4,77366	-1,131777216	N/A	N/A	N/A	Inc-C5orf38-1
A_23_P355993	6,92614	7,10487	-1,13188705	ENST00000595189	80110	NM_025040	ZNF614
A_22_P00013415	1,54549	1,72424	-1,131902741	ENST00000499006	388011	NR_015430	LINC01550
A_24_P334529	4,9851	5,16389	-1,131934125	ENST00000619750	56112	NM_032011	PCDHGA3
A_33_P3609431	11,9289	12,1077	-1,131941971	ENST00000596769	N/A	AK127846	N/A
A_23_P156061	7,87606	8,05486	-1,131941971	ENST00000395770	4012	NM_005575	LNPEP
A_21_P0004965	1,60819	1,787	-1,131949817	N/A	N/A	N/A	Inc-FNDC1-4
A_21_P0008377	1,89947	2,07829	-1,131957663	N/A	N/A	N/A	nc-RP11-1070N10.3.1-1
A_23_P157268	9,29173	9,4706	-1,131996894	ENST00000287916	9069	NM_012129	CLDN12
A_23_P55342	10,4419	10,6208	-1,132020434	ENST00000005340	1856	NM_004422	DVL2
A_21_P0013653	7,48811	7,66702	-1,13202828	N/A	102723390	N/A	LOC102723390

A_33_P3247609	2,08515	2,26407	-1,132036127	ENST00000537055	90485	NM_001005850	ZNF835
A_33_P3881056	3,49946	3,67843	-1,132075361	N/A	100996405	XM_003846604	LOC100996405
A_33_P3396692	11,1679	11,3469	-1,132098902	ENST00000244763	6745	NM_003144	SSR1
A_33_P3422466	4,84948	5,02848	-1,132098902	ENST00000392462	283385	NM_173855	MORN3
A_21_P0005443	3,13878	3,31782	-1,132130291	ENST00000486954	285972	NR_034033	LINC00996
A_32_P360193	4,75552	4,9346	-1,132161681	ENST00000532027	144132	NM_144666	DNHD1
A_22_P00020027	4,84009	5,01922	-1,132200919	ENST00000533311	N/A	N/A	N/A
A_19_P00812587	15,81	15,9892	-1,132255855	ENST00000406671	6125	NM_000969	RPL5
A_33_P3329352	5,24019	5,4194	-1,132263703	ENST00000529541	N/A	N/A	N/A
A_24_P28811	7,93824	8,11752	-1,132318643	ENST00000439137	646802	NR_103761	CYP4F62P
A_23_P348323	5,81185	5,99114	-1,132326491	ENST00000611883	7703	NM_007144	PCGF2
A_23_P213592	11,5456	11,7249	-1,13233434	ENST00000274811	22838	NM_014901	RNF44
A_23_P3453	11,9042	12,0835	-1,13233434	ENST00000562303	26015	NM_015540	RPAP1
A_33_P3233125	7,80297	7,98234	-1,132389282	ENST00000020673	5662	NM_002779	PSD
A_33_P3351510	3,0245	3,20388	-1,132397132	ENST00000378993	11141	NM_014271	IL1RAPL1
A_23_P104362	13,7375	13,9169	-1,13241283	ENST00000368547	1892	NM_004092	ECHS1
A_23_P10135	10,2302	10,4096	-1,13241283	ENST00000485789	28511	NM_001001349	NKIRAS2
A_22_P00009106	10,9354	11,1148	-1,13241283	N/A	100874375	NR_046848	FAM155A-IT1
A_22_P00015581	2,05952	2,23899	-1,132467776	ENST00000536673	N/A	N/A	N/A
A_24_P201064	10,0385	10,2181	-1,132569827	ENST00000310455	79660	NM_001201329	PPP1R3B
A_23_P154986	5,04084	5,22044	-1,132569827	ENST00000412658	2678	NM_001288833	GGT1
A_24_P274814	5,70715	5,88676	-1,132577677	ENST00000414508	6916	NM_030984	TBXAS1
A_22_P00023823	4,65376	4,83339	-1,132593378	ENST00000413043	N/A	N/A	N/A
A_22_P00007972	5,77421	5,95391	-1,132648333	N/A	N/A	AK055981	Inc-IDH2-1
A_23_P95823	11,4054	11,5851	-1,132648333	ENST00000563900	197370	NM_145080	NSMCE1
A_33_P3316261	2,40839	2,58812	-1,132671886	N/A	N/A	N/A	N/A
A_21_P0000833	6,55836	6,73811	-1,132687588	N/A	100507392	NR_038908	SENCR
A_23_P160154	11,3157	11,4955	-1,132726845	ENST00000418277	2582	NM_000403	GALE
A_33_P3211203	8,20096	8,38078	-1,132742548	N/A	101927919	N/A	LOC101927919
A_21_P0011636	4,27359	4,45345	-1,132773955	ENST00000421796	N/A	N/A	N/A
A_22_P00006015	1,95599	2,13587	-1,132789659	N/A	N/A	N/A	Inc-FAM103A1-2
A_21_P0004478	6,29491	6,47481	-1,132805362	N/A	102724758	XR_425942	LOC102724758
A_22_P00011486	1,56829	1,74836	-1,132938854	N/A	100506443	NR_103784	ITPKB-IT1

A_33_P3344291	5,94713	6,1273	-1,133017387	N/A	100130698	XR_111092	LOC100130698
A_23_P126313	1,38403	1,56426	-1,133064508	ENST00000367848	55811	NM_018417	ADCY10
A_21_P0010936	6,04098	6,2213	-1,133135195	ENST00000414939	N/A	XR_428678	N/A
A_22_P00001594	1,59568	1,77603	-1,133158758	N/A	N/A	BU783273	Inc-ARMCX6-1
A_33_P3247086	1,62451	1,80486	-1,133158758	ENST00000438155	N/A	N/A	N/A
A_23_P314191	9,08024	9,2606	-1,133166612	ENST00000426126	23390	NM_015336	ZDHHC17
A_21_P0013535	5,60897	5,78944	-1,133253015	N/A	N/A	N/A	XLOC_I2_014123
A_21_P0006301	1,63292	1,8134	-1,133260871	N/A	N/A	N/A	Inc-ALG2-2
A_33_P3618561	1,93425	2,11473	-1,133260871	N/A	730961	BC034282	LOC730961
A_21_P0009646	2,07585	2,25634	-1,133268726	ENST00000546512	126536	N/A	LINC00661
A_33_P3279949	3,51119	3,69169	-1,133276581	N/A	100128170	AK124170	LOC100128170
A_23_P123228	1,61764	1,79814	-1,133276581	ENST00000340010	1811	NM_000111	SLC26A3
A_24_P67142	7,19137	7,3719	-1,133300147	ENST00000300278	6651	NM_032195	SON
A_22_P00007742	6,48066	6,6612	-1,133308003	N/A	253044	NR_045123	LINGO1-AS1
A_23_P37598	11,3571	11,5378	-1,133433697	ENST00000561898	27020	NM_012428	NPTN
A_33_P3245248	9,57029	9,751	-1,133441554	ENST00000602385	7012	NR_001566	TERC
A_33_P3265479	5,11882	5,29955	-1,133457267	ENST00000522974	57623	AB167741	ZFAT
A_21_P0006441	1,71846	1,89923	-1,133488693	ENST00000608576	4281	XR_247300	MID1
A_33_P3289371	6,1987	6,37949	-1,133504407	ENST00000492611	116154	BC036834	PHACTR3
A_24_P281395	7,10781	7,28866	-1,133551549	ENST00000455013	N/A	N/A	N/A
A_23_P131050	3,11809	3,29896	-1,133567263	ENST00000588485	81616	NM_030924	ACSBG2
A_19_P00318559	2,32198	2,50285	-1,133567263	ENST00000512067	643401	CQ819097	LINC01021
A_33_P3404843	5,72473	5,90561	-1,133575121	ENST00000585444	57794	NM_172231	SUGP1
A_23_P135914	11,6454	11,8263	-1,133590836	ENST00000565990	23450	NM_012426	SF3B3
A_33_P3219720	11,9686	12,1495	-1,133590836	ENST00000485560	57209	XR_428646	ZNF248
A_33_P3264089	7,16261	7,34353	-1,133606551	ENST00000477367	653857	NM_001164458	ACTR3C
A_22_P00017200	2,93484	3,11576	-1,133606551	ENST00000451690	102724954	NR_126003	LINC01032
A_33_P3395650	3,66162	3,84256	-1,133622266	ENST00000611914	56110	NM_032054	PCDHGA5
A_22_P00022727	3,91841	4,09939	-1,133653697	N/A	N/A	N/A	Inc-TAF6-1
A_21_P0007709	2,48035	2,66133	-1,133653697	N/A	N/A	N/A	Inc-KRT80-5
A_22_P00006754	8,10297	8,28395	-1,133653697	N/A	N/A	AB062482	Inc-FST-1
A_19_P00809886	5,60723	5,78822	-1,133661555	ENST00000587506	N/A	N/A	N/A
A_33_P3322430	12,2365	12,4175	-1,133669413	N/A	N/A	N/A	N/A

A_33_P3228072	9,13023	9,31136	-1,133771571	ENST00000474871	27031	NM_153240	NPHP3
A_23_P141965	11,1354	11,3166	-1,133826584	ENST00000593360	93323	NM_033417	HAUS8
A_21_P0005472	1,59427	1,77549	-1,133842302	N/A	N/A	N/A	Inc-VWDE-4
A_23_P254031	9,51649	9,69781	-1,133920897	ENST00000461970	7270	NM_007344	TTF1
A_23_P346384	3,87653	4,05787	-1,133936616	ENST00000318325	84545	NM_176792	MRPL43
A_24_P54808	9,20269	9,38405	-1,133952336	ENST00000273963	57563	NM_020803	KLHL8
A_21_P0000103	8,05805	8,23941	-1,133952336	ENST00000543500	100462983	NM_001190472	MTRNR2L3
A_23_P143885	9,52547	9,70686	-1,133975916	ENST00000413728	50650	NM_019555	ARHGEF3
A_24_P406301	15,421	15,6024	-1,133983776	ENST00000464564	4708	NM_004546	NDUFB2
A_23_P86002	9,77781	9,95927	-1,134030938	ENST00000370280	50999	NM_016040	TMED5
A_33_P3308387	7,71528	7,89678	-1,134062381	ENST00000481483	835	NM_032982	CASP2
A_23_P406438	9,55968	9,74118	-1,134062381	ENST00000357311	6733	NM_182691	SRPK2
A_23_P571	14,0614	14,2429	-1,134062381	ENST00000426263	6513	NM_006516	SLC2A1
A_32_P315371	2,58172	2,76324	-1,134078102	N/A	N/A	AK054783	Inc-MSRA-1
A_23_P360797	3,88317	4,06475	-1,134125268	ENST00000331010	4908	NM_002527	NTF3
A_33_P3234015	9,736	9,91759	-1,134133129	ENST00000273317	8994	NM_014240	LIMD1
A_23_P82748	13,7385	13,9201	-1,134140991	ENST00000517350	56943	NM_020189	ENY2
A_21_P0000784	7,42211	7,60371	-1,134140991	N/A	100506469	NR_038396	TMEM147-AS1
A_33_P3230548	9,49239	9,67421	-1,134313952	ENST00000367350	9928	NM_014875	KIF14
A_22_P00019822	1,63221	1,81404	-1,134321814	ENST00000436670	285889	N/A	LOC285889
A_32_P430359	13,2501	13,432	-1,134376853	ENST00000314045	79039	NM_024072	DDX54
A_22_P00008973	5,41736	5,59933	-1,134431895	N/A	N/A	DA445576	Inc-LALBA-1
A_33_P3256054	11,5549	11,7369	-1,134455485	ENST00000565250	64223	NM_022372	MLST8
A_33_P3489629	1,61705	1,79907	-1,134471212	ENST00000461033	151649	NM_001252657	PP2D1
A_23_P202750	8,07538	8,25747	-1,134526258	ENST00000528099	28970	NM_014039	C11orf54
A_33_P3606692	1,69812	1,88022	-1,134534122	N/A	283404	N/A	LINC00592
A_33_P3314166	5,78497	5,96708	-1,134541986	ENST00000608005	N/A	N/A	N/A
A_22_P00003923	1,42586	1,60803	-1,134589171	N/A	N/A	BC031323	Inc-CETN3-1
A_22_P00010511	9,67326	9,85556	-1,134691413	N/A	N/A	N/A	Inc-NBPF3-4
A_23_P430411	3,72998	3,91229	-1,134699278	ENST00000610622	3689	L78790	ITGB2
A_22_P00009430	1,56466	1,74698	-1,134707143	N/A	N/A	BX104743	Inc-LYRM2-1
A_33_P3337719	9,63382	9,81623	-1,134777932	N/A	100134868	NR_004846	LOC100134868
A_33_P3666797	6,81548	6,9979	-1,134785798	ENST00000376958	160897	NM_180989	GPR180

A_22_P00006217	5,09463	5,27719	-1,134895923	N/A	N/A	N/A	Inc-FAM46D-1
A_19_P00318297	7,80272	7,98532	-1,13492739	ENST00000440088	100505854	BC037783	APTR
A_22_P00020287	4,72015	4,90282	-1,134982458	N/A	N/A	BC038570	Inc-CPVL-4
A_19_P00315551	6,65513	6,83786	-1,135029662	ENST00000508564	400043	NR_026656	LOC400043
A_33_P3222243	8,30663	8,48939	-1,135053264	ENST00000424716	285103	N/A	MED15P9
A_33_P3365087	4,15989	4,34267	-1,135069	ENST00000377930	729233	NM_001130404	PRR20B
A_22_P00011743	5,33533	5,51812	-1,135076867	N/A	N/A	N/A	Inc-PER2-1
A_22_P00001425	5,44043	5,6233	-1,135139811	N/A	N/A	N/A	Inc-APITD1-1
A_21_P0013927	4,49108	4,67397	-1,135155548	ENST00000484786	22906	XM_005264959	TRAK1
A_33_P3420446	8,05904	8,24194	-1,135163416	ENST00000430130	401387	NM_001161528	LRRD1
A_23_P131653	10,4551	10,6381	-1,135242102	ENST00000412717	5281	NM_002643	PIGF
A_24_P72479	14,0285	14,2115	-1,135242102	ENST00000463009	10552	NM_006409	ARPC1A
A_33_P3271171	7,68352	7,86655	-1,135265709	ENST00000447684	4849	AL133647	CNOT3
A_22_P00005350	1,59869	1,78182	-1,135344402	N/A	104169670	NR_126167	TMEM5-AS1
A_22_P00017935	1,61784	1,80098	-1,135352272	ENST00000520870	N/A	N/A	N/A
A_23_P39605	1,59449	1,77767	-1,135383751	ENST00000409309	27233	NM_006588	SULT1C4
A_33_P3271945	5,27719	5,46038	-1,135391621	ENST00000380496	54801	N/A	HAUS6
A_33_P3414482	15,2023	15,3855	-1,135399491	ENST00000245206	2806	NM_002080	GOT2
A_33_P3210168	12,7947	12,9779	-1,135399491	ENST00000380889	5300	NM_006221	PIN1
A_22_P00014850	3,32003	3,50332	-1,135470323	ENST00000607654	N/A	AK056734	N/A
A_33_P3221498	4,52056	4,70386	-1,135478194	ENST00000405627	56164	NM_001260504	STK31
A_22_P00009380	1,39579	1,57914	-1,135517547	ENST00000523820	N/A	BE247487	N/A
A_22_P00019999	1,61718	1,80054	-1,135525418	N/A	N/A	N/A	Inc-FBXL5-1
A_21_P0013876	1,56043	1,74379	-1,135525418	N/A	N/A	N/A	XLOC_I2_015879
A_22_P00006989	2,82868	3,01205	-1,135533289	ENST00000557350	N/A	N/A	N/A
A_21_P0012672	1,72986	1,91325	-1,135549031	N/A	N/A	N/A	XLOC_I2_011173
A_33_P3332135	8,6442	8,82759	-1,135549031	ENST00000413580	162466	NM_001143804	PHOSPHO1
A_23_P380754	6,38109	6,56468	-1,135706462	ENST00000485223	5644	NM_002769	PRSS1
A_24_P134319	11,4249	11,6085	-1,135714334	ENST00000349014	23394	NM_001282531	ADNP
A_24_P349466	8,06407	8,2477	-1,135737951	ENST00000596581	54458	NM_001005354	PRR13
A_33_P3317580	4,31771	4,50136	-1,135753696	ENST00000306793	2675	NM_001495	GFRA2
A_24_P246692	15,2775	15,4612	-1,135793059	ENST00000422772	N/A	N/A	N/A
A_21_P0011468	9,19408	9,37778	-1,135793059	ENST00000564730	8924	NM_004667	HERC2

A_23_P32115	2,92631	3,11001	-1,135793059	ENST00000491603	286256	NM_178536	LCN12
A_33_P3259239	2,00555	2,18927	-1,135808804	N/A	N/A	N/A	N/A
A_33_P3410093	9,32957	9,51335	-1,135856042	ENST00000548852	4048	NM_001256644	LTA4H
A_23_P132669	11,4206	11,6044	-1,135871789	ENST00000407584	55830	NM_001010983	GLT8D1
A_33_P3326730	1,59828	1,78212	-1,135903282	ENST00000371682	84960	NM_001039374	CCDC183
A_23_P92552	8,32114	8,50499	-1,135911156	ENST00000513504	5188	NM_004564	GATB
A_33_P3241388	1,59277	1,77663	-1,135919029	ENST00000377634	57835	NM_021196	SLC4A5
A_22_P00003225	1,96204	2,14595	-1,135958398	ENST00000549864	100506125	NR_110020	LOC100506125
A_23_P216038	9,76313	9,9471	-1,136005642	ENST00000395383	51105	AB101203	PHF20L1
A_21_P0008901	1,34229	1,52628	-1,13602139	N/A	N/A	N/A	Inc-GLIS2-1
A_33_P3228558	13,292	13,476	-1,136029265	ENST00000376922	201176	NM_001282290	ARHGAP27
A_22_P00013705	10,366	10,55	-1,136029265	N/A	102723356	NR_125796	ZFPM2-AS1
A_22_P00015305	5,13112	5,31514	-1,136045014	ENST00000523913	84651	NM_032566	SPINK7
A_23_P139585	3,63732	3,82138	-1,136076512	ENST00000243052	5153	NM_000924	PDE1B
A_33_P3539345	9,87483	10,0589	-1,136084387	ENST00000615563	4646	NM_004999	MYO6
A_23_P82206	11,3776	11,5617	-1,136108011	ENST00000488087	55862	NM_018479	ECHDC1
A_23_P165891	8,01004	8,19416	-1,136123761	ENST00000434858	9014	NM_005680	TAF1B
A_22_P00015005	1,58174	1,76587	-1,136131636	N/A	N/A	DA406683	Inc-SMOC1-2
A_23_P416191	7,97153	8,1557	-1,136163137	ENST00000616314	259290	NM_176885	TAS2R31
A_22_P00024230	3,51634	3,70055	-1,136194638	ENST00000426716	N/A	N/A	N/A
A_21_P0011627	6,45165	6,63587	-1,136202514	N/A	N/A	N/A	XLOC_I2_005871
A_33_P3695548	7,68846	7,87282	-1,136312777	ENST00000538196	5426	NM_006231	POLE
A_19_P00324582	7,32925	7,51366	-1,136352159	N/A	N/A	N/A	N/A
A_21_P0012712	1,86281	2,04727	-1,136391543	ENST00000515691	101929019	N/A	LOC101929019
A_32_P99100	12,9657	13,1503	-1,136501824	ENST00000619256	5796	NM_002844	PTPRK
A_33_P3622802	9,54934	9,73398	-1,136533335	ENST00000346832	10006	NM_005470	ABI1
A_33_P3269503	1,65378	1,83845	-1,136556969	ENST00000529785	N/A	AK300121	N/A
A_22_P00019478	5,5996	5,78437	-1,136635752	N/A	100874366	NR_047507	HOXC13-AS
A_24_P194755	3,13852	3,32332	-1,136659388	ENST00000588810	84939	NM_032853	MUM1
A_22_P00006671	1,4906	1,6754	-1,136659388	ENST00000422305	102723924	XR_426679	LOC102723924
A_24_P240065	11,0379	11,2227	-1,136659388	ENST00000409810	51652	NM_016079	CHMP3
A_23_P100883	11,5223	11,7071	-1,136659388	ENST00000322652	23512	NM_015355	SUZ12
A_23_P131074	2,62437	2,80923	-1,136706661	ENST00000342640	51298	NM_016585	THEG

A_33_P3408655	2,15428	2,33923	-1,136777575	N/A	914	AK310676	CD2
A_33_P3420466	5,24194	5,42693	-1,136809093	ENST00000421259	4148	NM_002381	MATN3
A_24_P350644	12,4829	12,6679	-1,136816973	ENST00000357304	84726	NM_013318	PRRC2B
A_24_P206047	10,652	10,837	-1,136816973	ENST00000491736	291	NM_001151	SLC25A4
A_33_P3226154	2,0067	2,19174	-1,136848493	ENST00000390237	102724332	AY538254	LOC102724332
A_22_P00006705	1,724	1,90904	-1,136848493	N/A	N/A	N/A	Inc-FRG2C-5
A_23_P103532	7,5061	7,69116	-1,136864253	ENST00000493800	23432	NM_001267609	GPR161
A_33_P3420442	6,41188	6,59695	-1,136872133	ENST00000375871	23552	NM_001039803	CDK20
A_23_P14892	2,94512	3,1302	-1,136880014	ENST00000215539	3483	NM_004970	IGFALS
A_33_P3287631	11,3832	11,5683	-1,136895774	ENST00000353047	1508	NM_147780	CTSB
A_33_P3210965	10,4175	10,6026	-1,136895774	ENST00000460357	79600	NM_001082538	TCTN1
A_24_P302685	5,72639	5,91153	-1,136927296	ENST00000355771	50649	NM_015320	ARHGEF4
A_22_P00012509	5,25658	5,44172	-1,136927296	N/A	101927886	XR_241120	LOC101927886
A_24_P16559	1,83192	2,0171	-1,136958819	ENST00000360232	93986	NM_148900	FOXP2
A_32_P12639	11,5313	11,7165	-1,13697458	ENST00000577724	5718	NM_002816	PSMD12
A_23_P120428	2,61854	2,80376	-1,136990342	ENST00000494455	27296	NM_014477	TP53TG5
A_33_P3276455	9,63029	9,81553	-1,137006105	ENST00000367264	10765	NM_006618	KDM5B
A_33_P3477521	7,06828	7,25356	-1,137037629	ENST00000499842	284080	NR_038230	LOC284080
A_33_P3323822	8,03276	8,21814	-1,137116446	ENST00000368655	57459	NM_020699	GATAD2B
A_23_P166459	15,3824	15,5678	-1,13713221	ENST00000425542	3956	NM_002305	LGALS1
A_33_P3397180	5,77295	5,95835	-1,13713221	N/A	100129324	AK128261	LOC100129324
A_33_P3344276	3,91447	4,09988	-1,137140092	ENST00000446825	64342	NM_022460	HS1BP3
A_22_P00024071	1,57626	1,7617	-1,137163738	N/A	N/A	N/A	Inc-C1orf200-3
A_21_P0009976	5,31143	5,4969	-1,137187385	N/A	N/A	N/A	Inc-TSHZ2-3
A_21_P0014893	3,16114	3,34664	-1,137211032	N/A	N/A	N/A	N/A
A_19_P00315492	3,54057	3,7263	-1,137392345	ENST00000504984	100507487	XR_251651	LOC100507487
A_19_P00315810	6,75578	6,94152	-1,137400229	ENST00000455068	N/A	N/A	N/A
A_22_P00013929	1,73145	1,91723	-1,137431765	ENST00000532065	101928132	XR_242857	LOC101928132
A_33_P3229246	5,90724	6,09303	-1,137439649	ENST00000369160	8349	NM_003528	HIST2H2BE
A_33_P3355649	3,62119	3,80698	-1,137439649	N/A	N/A	AK128759	N/A
A_33_P3231923	9,2506	9,43652	-1,137542147	ENST00000409590	101927285	NR_110219	LOC101927285
A_33_P3367471	1,57103	1,75696	-1,137550032	ENST00000367326	57480	NM_001029884	PLEKHG1
A_33_P3298111	3,82428	4,01022	-1,137557917	ENST00000466831	221178	AK092754	SPATA13

A_33_P3418091	4,56627	4,75222	-1,137565802	ENST00000419208	57611	NM_001130136	ISLR2
A_21_P0013065	11,3726	11,5586	-1,137605228	ENST00000446953	N/A	N/A	N/A
A_23_P68851	11,2961	11,4821	-1,137605228	ENST00000400335	83999	NM_001039570	KREMEN1
A_22_P00007175	3,21164	3,39766	-1,137620999	ENST00000523840	N/A	N/A	N/A
A_23_P134109	8,76406	8,95012	-1,137652541	ENST00000368126	2037	NM_001431	EPB41L2
A_33_P3234641	17,7978	17,9839	-1,137684083	ENST00000440360	N/A	BU566292	N/A
A_21_P0002434	3,74836	3,93446	-1,137684083	N/A	N/A	N/A	Inc-PREPL-1
A_24_P150874	8,08813	8,2743	-1,137739286	N/A	10672	NM_006572	GNA13
A_23_P158277	10,5914	10,7776	-1,137762944	ENST00000489814	255104	NM_181719	TMCO4
A_23_P90369	13,6923	13,8785	-1,137762944	ENST00000586704	91304	NM_001033026	TMEM259
A_33_P3273480	3,48584	3,67209	-1,137802377	ENST00000382179	9024	NM_001256627	BRSK2
A_21_P0000753	6,13329	6,31954	-1,137802377	N/A	100507086	NR_038289	DLG1-AS1
A_21_P0011332	4,70667	4,89296	-1,137833924	ENST00000567704	N/A	N/A	N/A
A_33_P3270109	10,4572	10,6435	-1,137841811	ENST00000315141	123169	NM_001286430	LEO1
A_21_P0011231	4,57712	4,76344	-1,137857585	ENST00000448411	100874176	N/A	LINC00448
A_24_P385336	4,88618	5,0726	-1,137936458	ENST00000369559	204851	NM_152696	HIPK1
A_22_P00002481	5,16692	5,35349	-1,138054778	N/A	N/A	N/A	Inc-C15orf57-2
A_23_P216655	9,18347	9,37006	-1,138070554	ENST00000341469	9830	NM_014788	TRIM14
A_21_P0010774	8,25901	8,44562	-1,138086332	N/A	N/A	N/A	Inc-PPIAL4G-4
A_33_P3213712	5,10156	5,28818	-1,13809422	N/A	N/A	N/A	N/A
A_22_P00019413	3,02599	3,21268	-1,138149442	ENST00000525424	N/A	DA758496	N/A
A_22_P00001757	2,67465	2,86136	-1,13816522	ENST00000518301	285629	NR_027111	LOC285629
A_32_P76060	9,42168	9,6084	-1,13817311	ENST00000558373	51496	NM_016396	CTDSPL2
A_22_P00023465	5,40755	5,59428	-1,138180999	ENST00000521428	N/A	BX106515	N/A
A_23_P104583	10,1804	10,3672	-1,138236225	ENST00000539970	57175	NM_020441	CORO1B
A_23_P91076	10,5787	10,7655	-1,138236225	ENST00000283206	84910	NM_032824	TMEM87B
A_23_P54846	14,5004	14,6872	-1,138236225	ENST00000564678	9709	NM_014685	HERPUD1
A_23_P5325	9,89983	10,0867	-1,138291454	ENST00000445889	2071	NM_000122	ERCC3
A_33_P3318861	10,9236	11,1105	-1,138315124	ENST00000452335	391475	NM_001093730	DYTN
A_24_P386334	9,73689	9,92379	-1,138315124	ENST00000483980	56904	NM_020145	SH3GLB2
A_23_P131646	11,2749	11,4619	-1,138394029	ENST00000283646	22934	NM_144563	RPIA
A_19_P00800467	13,6335	13,8205	-1,138394029	ENST00000427761	29121	NM_001004419	CLEC2D
A_24_P659036	5,53275	5,71976	-1,13840192	ENST00000471942	414918	NM_001001794	DENND6B



A_23_P500333	6,94335	7,13037	-1,138409811	ENST00000357475	23648	NM_001009955	SSBP3
A_33_P3373850	10,4701	10,6572	-1,138472939	ENST00000293883	84219	NM_032259	WDR24
A_23_P388670	13,968	14,1551	-1,138472939	ENST00000413268	4048	NM_000895	LTA4H
A_33_P3360216	8,79881	8,98594	-1,138496613	ENST00000358739	8329	NM_003509	HIST1H2AI
A_33_P3350453	1,62047	1,8076	-1,138496613	N/A	N/A	N/A	N/A
A_22_P00013633	3,28053	3,46769	-1,138520288	N/A	N/A	DB289084	Inc-RP11-625H11.1.1-3
A_23_P146830	8,74063	8,92779	-1,138520288	ENST00000331531	1468	NM_012140	SLC25A10
A_22_P00015770	2,55162	2,7388	-1,138536071	ENST00000427460	N/A	N/A	N/A
A_24_P29445	13,4849	13,6721	-1,138551855	ENST00000480194	81853	NM_030969	TMEM14B
A_33_P3277611	6,13638	6,3236	-1,138567639	ENST00000339996	389827	NM_001080483	TMEM8C
A_21_P0000179	14,0674	14,2547	-1,138630776	N/A	10430	NM_001242597	TMEM147
A_21_P0009385	1,69718	1,88453	-1,138670239	ENST00000578070	N/A	N/A	N/A
A_33_P3348752	10,8281	11,0155	-1,138709703	ENST00000602786	10808	NM_006644	HSPH1
A_24_P350200	17,232	17,4194	-1,138709703	ENST00000416718	101929612	AK057071	LOC101929612
A_32_P198923	11,9647	12,1522	-1,138788635	ENST00000415292	7534	NM_145690	YWHAZ
A_24_P788878	4,67246	4,85997	-1,138796528	ENST00000380392	388125	NM_001007595	C2CD4B
A_19_P00808834	5,17956	5,36707	-1,138796528	ENST00000587877	101927921	NR_110792	LINC01478
A_24_P198629	8,52458	8,7121	-1,138804422	ENST00000559169	55180	NM_001040616	LINS
A_33_P3344406	9,08065	9,26818	-1,138812315	ENST00000602424	100271849	NM_001145785	MEF2B
A_23_P110412	1,81782	2,00535	-1,138812315	ENST00000449862	441027	NM_001080506	TMEM150C
A_24_P58242	8,36602	8,55358	-1,138835997	ENST00000489168	N/A	N/A	N/A
A_22_P00011317	3,68681	3,87445	-1,138899149	ENST00000603514	101926940	NR_104632	LOC101926940
A_21_P0010134	1,9319	2,11954	-1,138899149	ENST00000457325	N/A	N/A	N/A
A_19_P00320729	8,701	8,88873	-1,138970199	ENST00000570137	124359	AK023660	CDYL2
A_22_P00007954	4,8242	5,01198	-1,139009674	N/A	102724450	NR_125997	LOC102724450
A_33_P3257533	3,28525	3,47307	-1,139041254	N/A	N/A	N/A	N/A
A_22_P00019766	2,96212	3,14996	-1,139057045	N/A	100287722	NR_125965	AP4B1-AS1
A_33_P3261625	13,7279	13,9158	-1,139104418	ENST00000375661	57819	NM_021177	LSM2
A_33_P3411244	1,59933	1,78729	-1,139151793	ENST00000310194	341568	NM_001005203	OR8S1
A_32_P54553	4,77539	4,96339	-1,139183377	ENST00000454608	373856	XM_006726833	USP41
A_22_P00015299	1,58242	1,77048	-1,139230756	ENST00000559034	N/A	N/A	N/A
A_23_P39718	11,0047	11,1928	-1,139262342	ENST00000451623	9637	NM_001042548	FEZ2
A_23_P258124	6,58458	6,7727	-1,139278136	N/A	23567	NM_012279	ZNF346

A_19_P00316454	1,49846	1,68661	-1,139301827	ENST00000431554	101927189	N/A	LOC101927189
A_22_P00018828	2,65727	2,84544	-1,139317621	N/A	N/A	N/A	Inc-PARP11-1
A_24_P24790	16,9688	17,157	-1,139341313	ENST00000469899	N/A	N/A	N/A
A_23_P33216	15,3465	15,5347	-1,139341313	ENST00000550162	506	NM_001686	ATP5B
A_21_P0000371	6,25317	6,44139	-1,139357107	N/A	692076	NR_003037	SNORD7
A_33_P3259620	9,61681	9,80506	-1,1393808	ENST00000358746	9652	NM_014639	TTC37
A_23_P201747	3,24779	3,43605	-1,139388697	ENST00000375486	11240	NM_007365	PADI2
A_21_P0009990	5,05914	5,24752	-1,139483473	N/A	N/A	N/A	Inc-BIRC7-1
A_22_P00012254	11,5369	11,7253	-1,13949927	N/A	102724362	XR_424592	LOC102724362
A_32_P328023	3,30734	3,4958	-1,139546661	ENST00000322313	55339	NM_018383	WDR33
A_22_P00000269	5,919	6,10766	-1,139704647	N/A	N/A	N/A	Inc-AC007557.1.1-3
A_23_P301896	9,02707	9,21575	-1,139720447	ENST00000343137	7799	NM_015866	PRDM2
A_23_P156970	11,7155	11,9042	-1,139736247	ENST00000223215	4232	NM_002402	MEST
A_21_P0007837	1,71892	1,90762	-1,139736247	N/A	N/A	N/A	Inc-KRT7-1
A_22_P00002568	2,66728	2,85598	-1,139736247	N/A	N/A	AL832593	Inc-C17orf89-1
A_33_P3336696	16,6506	16,8393	-1,139736247	ENST00000361335	4539	AK311996	ND4L
A_23_P1199	12,7198	12,9085	-1,139736247	ENST00000378952	11164	NM_014142	NUDT5
A_33_P3305399	7,348	7,53674	-1,139767847	ENST00000368962	9869	NM_001243491	SETDB1
A_22_P00008379	4,12937	4,31813	-1,139783648	N/A	N/A	N/A	Inc-JAM3-1
A_33_P3396956	7,78436	7,97313	-1,139791548	ENST00000616918	126695	NM_152365	KDF1
A_33_P3343428	10,8911	11,08	-1,139894259	ENST00000359831	10758	NM_147686	TRAF3IP2
A_22_P00015253	4,26036	4,44927	-1,13990216	ENST00000501718	N/A	N/A	N/A
A_33_P3311920	5,26564	5,45461	-1,139949568	N/A	N/A	N/A	N/A
A_19_P00806441	1,60083	1,78982	-1,139965371	N/A	N/A	N/A	Inc-ANKRD10-4
A_24_P8768	13,6665	13,8555	-1,139973273	ENST00000487659	55052	NM_017971	MRPL20
A_21_P0014444	10,2735	10,4625	-1,139973273	N/A	100507639	NR_121625	LOC100507639
A_23_P110802	9,91178	10,1008	-1,139989076	ENST00000283006	64946	NM_022909	CENPH
A_24_P284324	9,49719	9,68622	-1,139996978	ENST00000582330	54868	NM_017728	TMEM104
A_33_P3285235	4,97403	5,16311	-1,140036488	ENST00000311921	22847	NM_001136156	ZNF507
A_23_P321959	11,6633	11,8524	-1,140052292	ENST00000478705	113402	NM_145169	SFT2D1
A_33_P3359984	12,1333	12,3225	-1,140131318	ENST00000493052	N/A	N/A	N/A
A_33_P3238966	13,1771	13,3663	-1,140131318	ENST00000331134	55666	NM_017921	NPLOC4
A_21_P0012729	1,62784	1,81707	-1,140155026	ENST00000514130	100505702	N/A	LINC01094

A_23_P82868	13,0914	13,2807	-1,140210348	ENST00000352041	5327	NM_000930	PLAT
A_24_P256552	9,45062	9,63999	-1,140265673	ENST00000526480	1479	NM_001033505	CSTF3
A_32_P227845	12,4441	12,6335	-1,140289384	ENST00000437008	220729	NR_003266	LOC220729
A_24_P97526	11,8233	12,0127	-1,140289384	ENST00000205636	54918	NM_017801	CMTM6
A_23_P332908	9,92526	10,1147	-1,140321	ENST00000548100	196441	NM_144982	ZFC3H1
A_22_P00012120	7,71907	7,90853	-1,140336809	N/A	N/A	N/A	Inc-POLE2-1
A_23_P55649	1,65046	1,83992	-1,140336809	ENST00000598953	2358	NM_001462	FPR2
A_22_P00001792	9,02414	9,21361	-1,140344713	ENST00000556713	N/A	BQ082534	N/A
A_23_P502930	14,8133	15,0028	-1,140368426	ENST00000460980	10922	NM_006712	FASTK
A_22_P00003471	5,46325	5,65281	-1,140415853	N/A	N/A	N/A	Inc-CCDC69-1
A_33_P3210848	12,2055	12,3951	-1,140447473	ENST00000424383	392617	NM_001128636	ELFN1
A_24_P191417	11,4254	11,615	-1,140447473	ENST00000337386	4664	NM_005966	NAB1
A_23_P146811	9,28391	9,47353	-1,140463283	ENST00000296701	81545	NM_030793	FBXO38
A_23_P77440	7,44883	7,63847	-1,140479093	ENST00000569766	4775	NM_173165	NFATC3
A_33_P3222451	1,69357	1,88331	-1,140558148	ENST00000391830	84335	NM_001278160	AKT1S1
A_23_P257198	13,4735	13,6633	-1,140605583	ENST00000502423	4724	NM_002495	NDUFS4
A_22_P00006278	8,39835	8,58823	-1,140668834	N/A	N/A	N/A	Inc-FAM76A-1
A_23_P320290	5,65158	5,84147	-1,14067674	ENST00000515386	152485	NM_178835	ZNF827
A_33_P3310512	3,1662	3,3561	-1,140684647	N/A	N/A	N/A	N/A
A_33_P3372742	7,72229	7,91222	-1,140708367	ENST00000617152	440051	N/A	KRTAP5-11
A_23_P321160	6,1059	6,29583	-1,140708367	ENST00000399604	84622	NM_032530	ZNF594
A_23_P100344	9,80293	9,99288	-1,140724181	ENST00000575571	23594	NM_014321	ORC6
A_33_P3260747	2,30863	2,49861	-1,140747902	ENST00000373677	340527	BC033261	NHSL2
A_23_P140301	14,2343	14,4243	-1,140763716	ENST00000557087	5684	NM_002788	PSMA3
A_22_P00025961	7,11539	7,30545	-1,14081116	N/A	N/A	BF341178	Inc-CNPY3-1
A_33_P3320994	6,25206	6,44214	-1,140826975	ENST00000234668	84144	AL834286	SYDE2
A_33_P3233250	1,63999	1,83009	-1,14084279	ENST00000368725	645922	NM_001045479	S100A7L2
A_21_P0005493	1,84318	2,0333	-1,140858606	N/A	N/A	N/A	Inc-GLI3-1
A_23_P501080	9,27934	9,46947	-1,140866514	ENST00000450302	168374	NM_007139	ZNF92
A_22_P00018308	6,41256	6,60271	-1,14088233	N/A	N/A	AF086256	Inc-ZNF841-1
A_23_P68436	2,04686	2,23703	-1,140898146	ENST00000372785	128488	NM_080869	WFDC12
A_21_P0000299	8,95381	9,14399	-1,140906054	N/A	641451	NR_002917	SNORA19
A_23_P147245	9,49091	9,68112	-1,140929779	ENST00000396556	114884	NM_017784	OSBPL10

A_23_P255695	2,69917	2,88938	-1,140929779	ENST00000360657	10786	NM_006632	SLC17A3
A_33_P3352085	4,12223	4,31246	-1,140945595	N/A	N/A	N/A	N/A
A_22_P00002284	1,65114	1,84139	-1,140961412	N/A	N/A	BG190789	Inc-C10orf68-2
A_23_P73848	1,36379	1,55409	-1,141000956	ENST00000454875	83869	NR_125733	TTY14
A_19_P00317789	11,5213	11,7116	-1,141000956	ENST00000307533	93622	NR_015433	LOC93622
A_23_P27515	10,6851	10,8754	-1,141000956	ENST00000488311	23646	NM_012268	PLD3
A_21_P0002079	1,53846	1,72877	-1,141008865	ENST00000422683	N/A	N/A	N/A
A_21_P0004794	6,96338	7,15369	-1,141008865	ENST00000453579	N/A	N/A	N/A
A_22_P00025183	1,63297	1,82332	-1,1410405	ENST00000454204	N/A	N/A	N/A
A_23_P156497	10,9954	11,1858	-1,141080047	ENST00000304434	60481	NM_021814	ELOVL5
A_33_P3341722	11,2462	11,4366	-1,141080047	N/A	N/A	CU692082	N/A
A_23_P346302	12,1702	12,3606	-1,141080047	ENST00000274712	153527	NM_144723	ZMAT2
A_22_P00006222	5,06148	5,25191	-1,141103775	ENST00000439745	N/A	N/A	N/A
A_22_P00009976	1,6232	1,81365	-1,141119594	N/A	N/A	N/A	Inc-MKKS-3
A_23_P65455	10,2622	10,4527	-1,141159143	ENST00000554406	54930	NM_017815	HAUS4
A_33_P3354683	13,4079	13,5984	-1,141159143	ENST00000487231	94005	NM_033198	PIGS
A_23_P205584	7,03266	7,2233	-1,141269887	ENST00000356057	51528	NM_001284201	JKAMP
A_24_P522998	1,60362	1,79441	-1,141388553	ENST00000433746	127254	NM_001002912	ERICH3
A_23_P43086	11,4932	11,684	-1,141396465	ENST00000519513	55909	NM_018688	BIN3
A_22_P00015990	3,1057	3,29652	-1,141412288	ENST00000496886	200424	NM_001287491	TET3
A_33_P3452297	5,72912	5,92	-1,141459759	ENST00000419069	378828	N/A	LINC00317
A_21_P0006605	1,53546	1,72637	-1,141483495	N/A	N/A	N/A	Inc-AC006156.2-6
A_33_P3378318	2,53479	2,72573	-1,141507232	ENST00000604857	N/A	N/A	N/A
A_33_P3392187	2,75026	2,94127	-1,14156262	ENST00000407595	114800	NM_001080433	CCDC85A
A_22_P00002087	1,43158	1,62262	-1,141586358	N/A	N/A	N/A	Inc-BMP6-10
A_24_P357535	1,5207	1,71175	-1,141594271	ENST00000248058	390892	NM_001005190	OR7A10
A_22_P00000906	2,30797	2,49904	-1,141610097	ENST00000573698	N/A	N/A	N/A
A_21_P0008731	1,74961	1,94069	-1,14161801	N/A	N/A	N/A	Inc-OIP5-1
A_21_P0005576	1,58913	1,78022	-1,141625923	N/A	N/A	N/A	Inc-AC009365.3.1-1
A_33_P3241081	3,82942	4,02053	-1,14164175	ENST00000603450	254268	NM_152763	AKNAD1
A_21_P0010052	1,58162	1,77276	-1,14166549	N/A	N/A	N/A	Inc-PREX1-2
A_24_P410605	3,76715	3,95833	-1,141697144	ENST00000371080	4919	NM_001083592	ROR1
A_21_P0000706	2,28018	2,47142	-1,141744627	N/A	100507582	NR_037903	BHLHE40-AS1

A_21_P0013166	7,64762	7,83886	-1,141744627	ENST00000510017	N/A	N/A	N/A
A_22_P00006661	1,73896	1,93021	-1,141752541	ENST00000477059	103344930	NR_121649	LINC01391
A_21_P0006894	4,78328	4,97458	-1,141792111	N/A	N/A	N/A	Inc-RPP30-1
A_33_P3218135	4,00785	4,19917	-1,14180794	ENST00000539969	100128554	NR_015398	LOC100128554
A_23_P131737	9,68442	9,87576	-1,141823769	ENST00000416400	51542	NM_016516	VPS54
A_23_P16063	4,64578	4,83726	-1,141934578	ENST00000602210	2901	NM_002088	GRIK5
A_24_P255303	11,9549	12,1464	-1,141950408	ENST00000457786	N/A	N/A	N/A
A_24_P606663	14,0547	14,2462	-1,141950408	ENST00000431058	N/A	N/A	N/A
A_22_P00018427	6,37616	6,56779	-1,142053313	ENST00000508923	N/A	N/A	N/A
A_22_P00007772	1,94325	2,13491	-1,142077062	N/A	N/A	N/A	Inc-HNRNPA1-2
A_22_P00009257	7,66606	7,85772	-1,142077062	N/A	N/A	N/A	Inc-LRP5-1
A_33_P3370132	10,8791	11,0708	-1,142108727	ENST00000471166	23534	NM_012470	TNPO3
A_33_P3662685	2,17281	2,36452	-1,142116644	ENST00000433042	449492	NR_073408	DEFA9P
A_24_P615822	9,29961	9,49137	-1,142156227	ENST00000602440	9790	NM_014753	BMS1
A_22_P00005105	1,34225	1,53402	-1,142164144	N/A	N/A	N/A	Inc-DHRS2-2
A_23_P7402	11,1776	11,3694	-1,142187895	ENST00000513490	23037	NM_178140	PDZD2
A_21_P0005848	1,71015	1,902	-1,142227481	N/A	552859	N/A	LINC00251
A_23_P420373	3,44139	3,63326	-1,142243316	ENST00000406659	1788	NM_175630	DNMT3A
A_22_P00020433	1,56505	1,757	-1,142306657	ENST00000539362	N/A	BG189845	N/A
A_33_P3402788	1,60938	1,80141	-1,142370002	N/A	N/A	N/A	Inc-SLC16A8-2
A_22_P00007675	3,94642	4,13847	-1,142385838	N/A	N/A	BX648970	Inc-HIATL1-5
A_21_P0003351	1,89287	2,08498	-1,14243335	ENST00000503465	N/A	N/A	N/A
A_24_P218814	6,46663	6,65878	-1,142465025	ENST00000548123	5959	NM_002905	RDH5
A_23_P69020	3,60175	3,7939	-1,142465025	ENST00000621172	200959	NM_001105580	GABRR3
A_22_P00001293	1,55247	1,74463	-1,142472944	N/A	100861514	NR_104120	ELMO1-AS1
A_33_P3379116	2,53789	2,73007	-1,142488782	N/A	N/A	N/A	N/A
A_21_P0000342	6,30537	6,49757	-1,142504621	ENST00000495973	677795	NR_002990	SNORA5B
A_22_P00012892	3,01076	3,20297	-1,14251254	N/A	N/A	BE252560	Inc-RBM22-2
A_23_P86943	11,0365	11,2288	-1,142583816	ENST00000332118	6734	NM_003139	SRPR
A_23_P32577	8,13468	8,32702	-1,142615495	ENST00000611519	1602	NM_080759	DACH1
A_33_P3356886	5,68271	5,87508	-1,142639256	ENST00000393277	163259	NM_001256404	DENND2C
A_33_P3290487	11,4412	11,6336	-1,142663016	ENST00000539836	79759	NM_001172668	ZNF668
A_33_P3221313	5,67708	5,86953	-1,142702619	ENST00000423383	2491	NM_006733	CENPI

A_21_P0011097	1,5853	1,77779	-1,142734302	N/A	N/A	N/A	XLOC_I2_003400
A_33_P3297923	13,6897	13,8823	-1,142821434	ENST00000409012	286262	NM_001128228	TPRN
A_33_P3242124	7,41428	7,60689	-1,142829356	ENST00000595958	93323	NM_033417	HAUS8
A_22_P00011314	4,82305	5,01567	-1,142837277	N/A	N/A	N/A	Inc-OSCAR-1
A_24_P67027	8,53231	8,72508	-1,142956106	ENST00000416636	1196	NM_001294338	CLK2
A_23_P114626	2,73658	2,92939	-1,142987796	ENST00000367698	462	NM_000488	SERPINC1
A_24_P399622	10,1865	10,3794	-1,143059102	ENST00000593484	11316	NM_199444	COPE
A_33_P3299349	1,60959	1,80254	-1,143098718	ENST00000624445	N/A	N/A	N/A
A_24_P366457	12,5255	12,7185	-1,143138335	ENST00000480085	N/A	N/A	N/A
A_23_P215669	8,52862	8,72163	-1,143146259	ENST00000476151	246721	NM_032959	POLR2J2
A_21_P0008580	6,79502	6,98805	-1,143162107	N/A	101929151	XR_243177	LOC101929151
A_33_P3264875	9,2606	9,45364	-1,14317003	ENST00000355958	2870	NM_001004105	GRK6
A_23_P10815	12,4086	12,6017	-1,143217574	ENST00000257075	9698	NM_001020658	PUM1
A_23_P115366	10,3219	10,515	-1,143217574	ENST00000371873	51727	NM_016308	CMPK1
A_21_P0000880	2,72755	2,92072	-1,143273045	N/A	100506436	NR_040012	SPAG5-AS1
A_33_P3228132	1,63506	1,82824	-1,14328097	ENST00000497328	400891	NM_001291006	LRRC74B
A_21_P0007046	4,46288	4,65611	-1,143320593	N/A	N/A	N/A	Inc-GATA3-1
A_23_P411833	13,0049	13,1982	-1,143376069	ENST00000547407	197335	NM_145294	WDR90
A_33_P3288180	11,1946	11,3879	-1,143376069	ENST00000468397	728642	NM_024011	CDK11A
A_33_P3386181	7,84554	8,0389	-1,143423622	ENST00000371515	55734	NM_018197	ZFP64
A_23_P73637	3,82303	4,01643	-1,143455325	ENST00000302917	56156	NM_031273	TEX13B
A_24_P208998	3,15855	3,35197	-1,143471176	ENST00000381018	373	NM_001656	TRIM23
A_33_P3363665	9,34866	9,54213	-1,143510807	ENST00000372651	4802	NM_001142587	NFYC
A_24_P795371	7,20683	7,40035	-1,143550438	N/A	644192	NR_102743	NR2F2-AS1
A_19_P00803775	4,24159	4,43515	-1,143582145	N/A	N/A	N/A	Inc-AC136604.1-1
A_23_P392429	1,38148	1,57505	-1,143590072	ENST00000306346	252884	NM_145756	ZNF396
A_33_P3325023	10,31	10,5036	-1,143613852	ENST00000185150	27248	NM_015701	ERLEC1
A_23_P46819	8,67702	8,87063	-1,143621779	ENST00000393441	8945	NM_033637	BTRC
A_33_P3348973	5,21545	5,40906	-1,143621779	ENST00000443896	200576	NM_001178000	PIKFYVE
A_24_P331560	5,69417	5,88782	-1,143653487	ENST00000217961	412	NM_000351	STS
A_33_P3227857	3,12104	3,31471	-1,143669342	N/A	285521	NM_001297733	COX18
A_21_P0005289	1,5492	1,74293	-1,143716907	ENST00000412197	N/A	N/A	N/A
A_21_P0011699	4,73049	4,92422	-1,143716907	N/A	N/A	N/A	XLOC_I2_006745

A_23_P14667	4,29807	4,49181	-1,143724835	ENST00000394573	9154	NM_004213	SLC28A1
A_23_P501007	14,1084	14,3022	-1,143772402	ENST00000394555	2202	NM_001039348	EFEMP1
A_33_P7354526	8,29834	8,49214	-1,143772402	ENST00000262160	4087	N/A	SMAD2
A_33_P3367642	13,7419	13,9357	-1,143772402	ENST00000216080	91289	NM_033200	LMF2
A_23_P251795	6,36273	6,55663	-1,143851685	ENST00000471050	221914	XM_006715892	GPC2
A_33_P3298120	3,16636	3,36029	-1,143875471	ENST00000408930	641654	NM_001037558	HEPN1
A_22_P00008747	9,82746	10,0214	-1,143883399	N/A	N/A	N/A	Inc-KIAA1967-2
A_21_P0010539	1,83855	2,03253	-1,143915115	N/A	N/A	N/A	XLOC_I2_000324
A_33_P3312150	3,30692	3,5009	-1,143915115	ENST00000618686	N/A	AF172850	N/A
A_22_P00012445	3,56829	3,76233	-1,14396269	ENST00000595538	N/A	BC002572	N/A
A_21_P0008396	1,3948	1,58886	-1,143978549	N/A	N/A	N/A	Inc-TNFAIP2-1
A_23_P68423	4,39999	4,59406	-1,143986478	ENST00000342272	57158	NM_175913	JPH2
A_21_P0001949	3,59365	3,7878	-1,144049916	ENST00000447194	101927431	NR_110223	LOC101927431
A_23_P373927	7,0903	7,28447	-1,144065776	ENST00000262455	23071	AB011145	ERP44
A_22_P00005940	6,81863	7,01281	-1,144073706	N/A	N/A	AK296734	Inc-EXOC3-1
A_21_P0014325	2,87202	3,06623	-1,144097497	ENST00000358463	388289	NM_207385	C16orf47
A_22_P00021268	5,53835	5,7326	-1,144129219	N/A	N/A	CU679210	Inc-UBE2Z-1
A_21_P0009120	7,29259	7,48685	-1,144137149	ENST00000573042	100507501	NR_039999	LINC01569
A_33_P3419806	17,9626	18,1569	-1,144168872	ENST00000430795	6235	NM_001032	RPS29
A_32_P191860	5,20934	5,40368	-1,144200595	ENST00000379204	284402	NM_001025591	SCGB2B2
A_23_P6561	9,60614	9,80054	-1,144248182	ENST00000533473	55096	NM_018029	EBLN2
A_23_P211627	8,33627	8,53079	-1,144343362	ENST00000405676	10762	NM_007172	NUP50
A_23_P111092	10,2755	10,4701	-1,14440682	ENST00000461453	26716	NM_030883	OR2H1
A_23_P88904	11,0345	11,2292	-1,144486147	ENST00000562120	4913	NM_002528	NTHL1
A_23_P89302	2,69402	2,88875	-1,144509946	ENST00000226021	786	NM_000727	CACNG1
A_21_P0005132	1,64658	1,84134	-1,144533745	N/A	N/A	N/A	Inc-LAMA2-1
A_21_P0009295	7,89139	8,08618	-1,144557546	N/A	N/A	N/A	Inc-ALOX12B-1
A_33_P3250463	8,23719	8,43202	-1,14458928	ENST00000424766	5378	NM_001128144	PMS1
A_21_P0007602	2,39996	2,59484	-1,144628949	N/A	102725323	N/A	LOC102725323
A_23_P74928	8,32508	8,51998	-1,144644817	ENST00000438435	3140	NM_001531	MR1
A_21_P0005179	3,07165	3,2667	-1,144763834	ENST00000436953	N/A	N/A	N/A
A_21_P0008040	5,2874	5,48258	-1,144866993	N/A	N/A	N/A	Inc-GSX1-1
A_21_P0000583	10,5794	10,7746	-1,144882864	N/A	439994	NR_029408	LOC439994

A_23_P213908	10,9057	11,1011	-1,14504159	ENST00000511371	51808	NM_032177	PHAX
A_23_P84872	8,49189	8,68731	-1,145057463	ENST00000339901	79048	NM_024077	SECISBP2
A_21_P0001832	2,96835	3,16378	-1,1450654	ENST00000442387	N/A	N/A	N/A
A_24_P781615	2,49204	2,68751	-1,145097149	ENST00000585538	90586	NR_002773	AOC4P
A_22_P00016459	1,66591	1,8614	-1,145113023	N/A	N/A	N/A	Inc-TMEM65-3
A_22_P00021123	3,42247	3,61798	-1,145128898	N/A	N/A	N/A	Inc-CHAC1-2
A_33_P3392952	10,1178	10,3134	-1,145200337	ENST00000335255	3607	NM_004514	FOXK2
A_23_P421379	1,91994	2,11554	-1,145200337	ENST00000418738	3481	NM_000612	IGF2
A_24_P409985	6,77368	6,96933	-1,145240027	ENST00000419280	93109	NM_001011655	TMEM44
A_33_P3313695	1,6596	1,85528	-1,145263842	N/A	N/A	N/A	N/A
A_23_P165402	13,6682	13,8639	-1,145279719	ENST00000233468	51639	NM_016047	SF3B6
A_33_P3380372	3,99159	4,1874	-1,145367046	ENST00000439197	N/A	N/A	N/A
A_33_P3420900	3,99364	4,18947	-1,145382924	ENST00000358524	399967	NM_212555	PATE2
A_21_P0013102	9,63509	9,83096	-1,145414681	ENST00000455011	102723724	XR_426077	LOC102723724
A_22_P00007020	8,15919	8,35507	-1,145422262	N/A	102724826	NR_126465	ZNF337-AS1
A_23_P153183	2,46045	2,65633	-1,145422262	ENST00000279451	22866	NM_001168648	CNKS2
A_22_P00018389	2,0696	2,26553	-1,145462318	N/A	100874235	NR_046579	CACNA1C-AS2
A_21_P0007656	1,58572	1,78167	-1,145478198	N/A	N/A	N/A	Inc-TMEM132B-3
A_22_P00010309	9,28432	9,48027	-1,145478198	ENST00000524858	N/A	N/A	N/A
A_21_P0009935	1,70825	1,90424	-1,145509958	N/A	N/A	N/A	Inc-C20orf187-1
A_21_P0006577	1,80678	2,00284	-1,14556554	N/A	102724092	XR_426521	LOC102724092
A_23_P6099	8,36808	8,56415	-1,14557348	ENST00000494924	23236	NM_015192	PLCB1
A_21_P0000480	7,31385	7,50994	-1,145589361	N/A	N/A	N/A	N/A
A_23_P100420	11,1452	11,3413	-1,145597302	ENST00000568020	23174	NM_015144	ZCCHC14
A_21_P0004902	5,02993	5,22603	-1,145597302	ENST00000427048	N/A	N/A	N/A
A_32_P53486	14,9685	15,1647	-1,145676711	ENST00000305321	654483	NM_001039182	BOLA2B
A_22_P00005581	3,30137	3,49757	-1,145676711	ENST00000521055	N/A	CV393458	N/A
A_23_P93750	13,2227	13,4189	-1,145676711	ENST00000480956	23658	NM_012322	LSM5
A_22_P00005683	9,4845	9,68073	-1,145700535	N/A	101410538	NR_102705	MMP24-AS1
A_22_P00012306	3,35969	3,55594	-1,145716418	N/A	N/A	N/A	Inc-PPP4R1-5
A_33_P3210969	4,61029	4,80657	-1,145740243	N/A	N/A	N/A	N/A
A_22_P00014382	11,307	11,5033	-1,145756126	N/A	N/A	AK123825	Inc-SEZ6L2-1
A_23_P109072	12,854	13,0504	-1,145835547	ENST00000371539	57167	NM_020436	SALL4



A_33_P3219596	6,00588	6,2023	-1,145851432	ENST00000536780	254559	NR_015411	LINC00925
A_33_P3256848	4,63742	4,83386	-1,145867317	ENST00000368676	8038	NM_021641	ADAM12
A_33_P3344405	10,6118	10,8083	-1,145914973	ENST00000602424	100271849	NM_001145785	MEF2B
A_33_P3360684	9,2041	9,40068	-1,145978518	ENST00000545736	57175	NM_001018070	CORO1B
A_24_P32887	9,46622	9,6628	-1,145978518	ENST00000371834	8019	NM_007371	BRD3
A_23_P46017	10,3169	10,5135	-1,145994405	ENST00000370485	56267	NM_001008661	CCBL2
A_22_P00021110	3,81176	4,00856	-1,146153284	ENST00000443593	N/A	N/A	N/A
A_33_P3388376	4,53854	4,73543	-1,146224787	ENST00000590047	414059	NM_001001417	TBC1D3B
A_23_P128147	16,4134	16,6104	-1,146312186	ENST00000547765	10376	NM_006082	TUBA1B
A_33_P6467722	1,58011	1,77714	-1,146336023	ENST00000499242	730971	NR_027441	FLJ36777
A_21_P0013498	4,13663	4,33368	-1,146351915	N/A	N/A	N/A	XLOC_I2_014289
A_22_P00011978	2,92854	3,12563	-1,146383699	N/A	N/A	AK095109	Inc-PLA2G6-1
A_23_P80377	10,2591	10,4562	-1,146391645	ENST00000407585	11252	NM_007229	PACSIN2
A_23_P160240	8,47091	8,66804	-1,146415484	ENST00000614551	51205	NM_016361	ACP6
A_24_P934800	8,88708	9,08422	-1,14642343	ENST00000562215	112479	NM_001142725	ERI2
A_22_P00019244	5,58919	5,78637	-1,146455216	ENST00000443205	N/A	N/A	N/A
A_23_P114839	8,79035	8,98761	-1,146518791	ENST00000477194	2275	NM_004468	FHL3
A_33_P3367647	1,55745	1,75472	-1,146526738	ENST00000401414	345930	NM_001077706	ECT2L
A_23_P303851	5,48028	5,67756	-1,146534685	ENST00000571573	259291	NM_176886	TAS2R45
A_23_P14649	12,8392	13,0365	-1,146550579	N/A	80035	NR_026808	ANP32A-IT1
A_23_P416212	4,90573	5,10307	-1,146582369	ENST00000565659	94086	NM_033194	HSPB9
A_33_P3238032	2,35501	2,55238	-1,146606212	ENST00000388914	339965	NM_001042784	CCDC158
A_24_P183994	3,83621	4,03358	-1,146606212	ENST00000340717	158158	AK056176	RASEF
A_23_P360240	11,1255	11,3229	-1,146630055	ENST00000535653	26579	NM_138768	MYEOV
A_23_P50331	10,9605	11,1579	-1,146630055	ENST00000585831	26017	AF151902	FAM32A
A_32_P89310	6,783	6,98044	-1,146661847	ENST00000343987	389072	NM_001080475	PLEKHM3
A_23_P103011	8,41882	8,61627	-1,146669795	ENST00000263116	9609	NM_004914	RAB36
A_22_P00020220	6,64882	6,84637	-1,146749279	N/A	N/A	BI828099	Inc-SARM1-2
A_33_P3312642	3,06516	3,26273	-1,146765176	ENST00000371125	100130613	NM_001122716	PRR32
A_23_P115792	13,3108	13,5084	-1,146789023	ENST00000392799	59338	NM_001001974	PLEKHA1
A_23_P9056	11,3813	11,5789	-1,146789023	ENST00000435644	9821	NM_014781	RB1CC1
A_33_P3387095	1,60824	1,80587	-1,14681287	N/A	N/A	N/A	N/A
A_22_P00003681	1,38736	1,58501	-1,146828768	ENST00000517964	N/A	XR_171713	N/A

A_33_P3277953	3,71071	3,90839	-1,146852616	N/A	100128811	NR_027333	GPR158-AS1
A_24_P258846	6,24517	6,44288	-1,146876464	ENST00000592223	4772	NM_172390	NFATC1
A_23_P20876	9,33763	9,53546	-1,146971863	ENST00000620992	138639	NM_177995	PTPDC1
A_33_P3514669	1,60859	1,80648	-1,147019565	ENST00000439059	284632	NR_027087	LOC284632
A_33_P3355185	6,56232	6,76023	-1,147035466	ENST00000589955	596	NM_000657	BCL2
A_33_P3388080	7,26281	7,46074	-1,147051368	ENST00000558575	731223	N/A	LINC01220
A_22_P00018011	1,81996	2,01805	-1,147178587	N/A	N/A	N/A	Inc-ZNF18-1
A_22_P00000268	1,55203	1,75018	-1,147226298	ENST00000564299	N/A	L23402	N/A
A_33_P3323842	5,64851	5,84675	-1,147297867	N/A	497258	NR_002832	BDNF-AS
A_33_P3380477	2,76745	2,96592	-1,147480789	N/A	27198	AK122659	HCAR1
A_23_P119266	9,68963	9,88811	-1,147488742	ENST00000588777	1777	NM_001375	DNASE2
A_22_P00013357	7,78479	7,98327	-1,147488742	N/A	N/A	N/A	Inc-RP11-166B2.1.1-1
A_33_P3329712	1,6409	1,83939	-1,147496696	ENST00000609912	N/A	N/A	N/A
A_32_P503113	1,69075	1,88924	-1,147496696	ENST00000292574	126402	NM_173482	CCDC105
A_33_P3290089	5,43349	5,63203	-1,147536466	ENST00000595770	N/A	XR_109536	N/A
A_24_P56194	7,70783	7,90642	-1,147576237	ENST00000228865	1389	NM_001310	CREBL2
A_33_P3340752	2,28622	2,48486	-1,14761601	N/A	100130887	NR_120495	ATE1-AS1
A_21_P0013340	12,6836	12,8823	-1,147663739	ENST00000478672	N/A	N/A	N/A
A_33_P3708658	4,86536	5,06408	-1,147679649	N/A	N/A	AK096370	Inc-RP11-712L6.5.1-2
A_33_P3344618	9,43847	9,63731	-1,147775114	ENST00000373033	7942	NM_007162	TFEB
A_21_P0002595	1,58131	1,78017	-1,147791026	N/A	286749	NM_001198593	STON1-GTF2A1L
A_33_P3422931	12,6335	12,8324	-1,14782285	ENST00000569585	65993	NM_001300900	MRPS34
A_21_P0012195	1,42885	1,62776	-1,147830806	N/A	101928011	XR_244302	LOC101928011
A_22_P00000387	3,48037	3,67929	-1,147838762	N/A	79667	NR_026804	KLF3-AS1
A_33_P3251347	3,82043	4,01936	-1,147846719	ENST00000378928	257397	XR_430492	TAB3
A_33_P3366396	3,63811	3,83707	-1,147870588	ENST00000432774	N/A	N/A	N/A
A_33_P3210379	12,217	12,416	-1,147902414	ENST00000512120	92304	NM_052863	SCGB3A1
A_21_P0004397	1,63802	1,83705	-1,147926284	N/A	N/A	N/A	Inc-ACTBL2-1
A_21_P0012436	2,36806	2,5671	-1,147934241	N/A	N/A	N/A	XLOC_I2_010139
A_33_P3271166	3,62822	3,82731	-1,147974026	ENST00000343870	254783	NM_001005490	OR6C74
A_21_P0010099	1,6848	1,884	-1,148061558	N/A	N/A	N/A	Inc-SLC17A9-2
A_22_P00011099	3,24046	3,43971	-1,148101347	ENST00000503650	N/A	N/A	N/A
A_33_P3321611	5,49328	5,69259	-1,148149097	ENST00000463428	65979	NM_001048183	PHACTR4

A_21_P0014200	5,22656	5,42588	-1,148157055	ENST00000608694	N/A	AK123679	N/A
A_22_P00015658	1,5466	1,74596	-1,148188889	ENST00000610966	55530	NM_018711	SVOP
A_33_P3373139	6,88528	7,08468	-1,148220724	ENST00000470139	23334	AK131107	SZT2
A_21_P0001153	8,20236	8,40177	-1,148228683	ENST00000457387	100131564	NR_034089	LOC100131564
A_33_P3245952	3,03039	3,22981	-1,148236642	N/A	648570	AK130915	LOC648570
A_22_P00014877	3,78529	3,98476	-1,148276437	N/A	N/A	N/A	Inc-SLC6A4-1
A_22_P00002025	4,26495	4,46447	-1,148316234	N/A	N/A	N/A	Inc-BEST4-1
A_33_P3397348	4,34195	4,54149	-1,148332154	N/A	149134	N/A	LINC01341
A_21_P0004984	1,55393	1,75349	-1,148348073	N/A	N/A	N/A	Inc-EXOC2-5
A_24_P89872	9,43069	9,63029	-1,148379912	ENST00000374861	7743	NM_197977	ZNF189
A_22_P00003881	6,23831	6,43804	-1,148483397	N/A	N/A	N/A	Inc-CENPP-2
A_22_P00005857	1,58355	1,78328	-1,148483397	N/A	100507435	NR_103863	DLGAP2-AS1
A_23_P254801	8,37443	8,57422	-1,148531162	ENST00000373271	5335	NM_002660	PLCG1
A_24_P91701	8,65988	8,85971	-1,148563006	ENST00000614553	51233	NM_016449	DRICH1
A_21_P0014074	4,62266	4,82252	-1,14858689	N/A	N/A	CR749479	N/A
A_23_P3038	14,2597	14,4596	-1,148618736	ENST00000557323	2877	NM_002083	GPX2
A_33_P3270136	1,56962	1,76955	-1,148642621	ENST00000595203	101927326	AK130385	LOC101927326
A_23_P57697	12,5929	12,7929	-1,148698355	ENST00000308361	170506	NM_020865	DHX36
A_24_P41864	1,69253	1,89259	-1,148746129	ENST00000491514	395	NM_006125	ARHGAP6
A_24_P783008	1,64948	1,84955	-1,148754092	ENST00000441223	200726	NM_001102659	LOC200726
A_33_P3263274	12,3237	12,5238	-1,148777979	N/A	N/A	N/A	N/A
A_33_P3341841	1,61776	1,81789	-1,148801868	ENST00000358241	344892	NM_001004312	RTP2
A_23_P207868	1,62861	1,82875	-1,148809831	ENST00000334109	85280	NM_033191	KRTAP9-4
A_23_P334845	4,28172	4,48191	-1,148849646	ENST00000487035	84986	NM_032900	ARHGAP19
A_24_P16124	14,7055	14,9057	-1,148857609	ENST00000414714	340198	NR_001590	IFITM4P
A_23_P324523	11,1219	11,3221	-1,148857609	ENST00000308214	124152	NM_153208	IQCK
A_23_P26810	9,18218	9,38244	-1,14890539	ENST00000445888	7157	NM_000546	TP53
A_23_P217528	9,11874	9,31902	-1,148921317	ENST00000358094	11279	NM_007250	KLF8
A_32_P186027	10,6122	10,8125	-1,148937245	ENST00000409628	8125	NM_006305	ANP32A
A_24_P276628	9,2091	9,4094	-1,148937245	ENST00000449045	5538	NM_000310	PPT1
A_21_P0000064	6,78634	6,98671	-1,148992993	ENST00000405413	10855	NM_006665	HPSE
A_22_P00022097	1,67413	1,87453	-1,149016886	ENST00000438837	8566	N/A	PDXK
A_23_P300090	1,6048	1,8053	-1,149096533	ENST00000394059	84068	NM_032128	SLC10A7

A_33_P3270593	5,83455	6,03517	-1,149192116	N/A	N/A	N/A	N/A
A_23_P205818	9,04552	9,24623	-1,149263808	ENST00000420765	9677	NM_001130858	PIIP5K1
A_21_P0001944	1,98174	2,18252	-1,149319572	ENST00000428474	101927156	N/A	LOC101927156
A_22_P00019205	5,35082	5,55163	-1,149343472	ENST00000530960	N/A	N/A	N/A
A_21_P0007674	1,67168	1,87257	-1,149407207	N/A	N/A	N/A	Inc-P2RX2-1
A_33_P3354151	9,43591	9,63684	-1,149439076	ENST00000369152	51027	NM_016074	BOLA1
A_33_P3215422	3,19362	3,39458	-1,149462978	ENST00000264824	4066	NM_005583	LYL1
A_23_P34066	5,25816	5,45912	-1,149462978	ENST00000369423	3581	NM_176786	IL9R
A_33_P3231140	6,06159	6,26256	-1,149470945	ENST00000504087	57182	NM_001167882	ANKRD50
A_32_P80741	1,86501	2,06598	-1,149470945	ENST00000303202	492307	NM_001007176	C8orf22
A_23_P384698	7,59585	7,79684	-1,14948688	ENST00000326237	442075	NR_103821	EMC3-AS1
A_23_P378526	10,8894	11,0904	-1,149494848	ENST00000496816	51750	NM_016434	RTEL1
A_22_P00007574	4,77808	4,97918	-1,149574528	ENST00000430728	N/A	N/A	N/A
A_21_P0011770	10,0259	10,227	-1,149574528	ENST00000592712	101927667	N/A	LINC01535
A_33_P3318946	10,6706	10,8718	-1,149654213	ENST00000255039	60484	NM_021817	HAPLN2
A_33_P3612740	9,28928	9,4905	-1,149670151	ENST00000421625	84196	NM_001032730	USP48
A_22_P00007721	2,33402	2,53527	-1,149694058	N/A	N/A	N/A	Inc-HLA-E-4
A_23_P16817	10,4444	10,6457	-1,149733904	ENST00000496205	1195	NM_004071	CLK1
A_33_P3346688	4,61307	4,81437	-1,149733904	ENST00000527983	N/A	AK310467	N/A
A_19_P00317653	9,05884	9,26019	-1,149773751	ENST00000602175	N/A	XR_425690	N/A
A_33_P3286699	1,65402	1,85539	-1,14978969	N/A	N/A	N/A	N/A
A_23_P435697	9,11283	9,31421	-1,14979766	ENST00000337623	26098	NM_015608	EDRF1
A_21_P0013094	1,57166	1,77306	-1,1498136	ENST00000422736	N/A	N/A	N/A
A_23_P93269	9,91924	10,1207	-1,14986142	ENST00000377325	7718	NM_003447	ZNF165
A_21_P0013163	8,22669	8,42816	-1,149869391	ENST00000533735	646024	NR_024045	RAET1K
A_22_P00015216	1,8439	2,04543	-1,149917213	ENST00000538693	102606463	N/A	LINC01152
A_33_P3377294	8,67988	8,88144	-1,149941125	ENST00000349937	6934	N/A	TCF7L2
A_21_P0004325	2,21619	2,41777	-1,149957067	N/A	102724458	XR_425932	LOC102724458
A_32_P14744	17,1391	17,3407	-1,149973009	ENST00000457423	6210	NM_001019	RPS15A
A_23_P45999	10,3036	10,5052	-1,149973009	ENST00000354287	26232	NM_012168	FBXO2
A_24_P16378	5,11396	5,31561	-1,150012865	ENST00000517319	138050	NM_152419	HGSNAT
A_22_P00005603	5,81293	6,01462	-1,15004475	N/A	729723	NR_034113	DNAJC27-AS1
A_22_P00025387	3,39946	3,60116	-1,150052722	ENST00000420237	101929648	XR_247061	LOC101929648

A_33_P3274304	12,1459	12,3476	-1,150052722	ENST00000323571	147179	NM_133264	WIPF2
A_23_P350754	8,61368	8,81541	-1,150076637	ENST00000526052	10819	NR_045002	OR7E14P
A_22_P00012891	8,77748	8,97925	-1,150108524	N/A	N/A	AK056449	Inc-RBM22-1
A_21_P0001288	1,68171	1,88353	-1,150148384	N/A	N/A	N/A	Inc-FOXO6-1
A_33_P3297888	7,68893	7,89076	-1,150156357	ENST00000620431	202243	NM_176816	CCDC125
A_23_P111888	8,03664	8,23849	-1,150172301	ENST00000520337	115908	NM_138455	CTHRC1
A_33_P3296499	8,1402	8,34217	-1,150267974	ENST00000368202	5796	NM_001291983	PTPRK
A_22_P00007456	1,59755	1,79952	-1,150267974	N/A	N/A	N/A	Inc-GTDC1-5
A_21_P0014203	4,344	4,54599	-1,15028392	N/A	N/A	N/A	N/A
A_24_P371628	6,34671	6,5488	-1,150363655	ENST00000284268	56172	NM_054027	ANKH
A_23_P38497	10,9501	11,1522	-1,150371628	ENST00000544061	8402	NM_003562	SLC25A11
A_22_P00013067	1,8555	2,0576	-1,150371628	N/A	101928222	NR_110235	LOC101928222
A_33_P3412479	7,56467	7,76682	-1,150411498	ENST00000414009	3257	NM_182639	HPS1
A_33_P3288684	5,03069	5,23287	-1,15043542	N/A	N/A	N/A	N/A
A_23_P61127	11,6323	11,8345	-1,150451369	ENST00000490078	79135	NM_024122	APOO
A_21_P0012366	7,84994	8,05217	-1,150475292	ENST00000437591	N/A	XM_005275947	N/A
A_32_P167791	11,4765	11,6788	-1,150531115	ENST00000620312	6767	NM_003932	ST13
A_33_P3214533	3,05177	3,25408	-1,15053909	N/A	N/A	AK127153	N/A
A_33_P3303602	6,51787	6,7202	-1,15055504	ENST00000527674	8525	AK123378	DGKZ
A_33_P3311755	10,3724	10,5748	-1,150610866	ENST00000560125	9493	NM_138555	KIF23
A_24_P649388	7,4891	7,69152	-1,150626817	ENST00000513501	59271	NM_058187	EVA1C
A_22_P00003219	3,1861	3,38856	-1,15065872	ENST00000428646	N/A	N/A	N/A
A_21_P0007579	3,22897	3,43143	-1,15065872	N/A	N/A	N/A	Inc-RAB3IP-1
A_24_P143653	5,41759	5,62012	-1,150714551	ENST00000401540	N/A	N/A	N/A
A_23_P63281	9,6041	9,80665	-1,150730504	ENST00000343938	80772	NM_001029885	CPTP
A_21_P0003572	3,40581	3,60836	-1,150730504	N/A	N/A	N/A	Inc-DRD5-8
A_19_P00801627	11,3793	11,5819	-1,150770386	ENST00000560832	723972	AK311417	ANP32AP1
A_21_P0013206	2,3964	2,59906	-1,150818246	N/A	402269	XM_005276304	LOC402269
A_24_P15877	1,99217	2,19485	-1,1508342	ENST00000597650	N/A	AF333762	N/A
A_22_P00023814	3,48114	3,68383	-1,150842177	N/A	100874021	NR_046689	MAGI2-AS2
A_22_P00015075	2,95396	3,1567	-1,150882063	N/A	N/A	AF400485	Inc-SNURF-1
A_21_P0000529	2,1724	2,37519	-1,15092195	N/A	125144	NR_027176	LRRC75A-AS1
A_33_P3279831	10,5295	10,7323	-1,150929928	ENST00000336032	10957	NM_006813	PNRC1

A_33_P3326046	11,317	11,5198	-1,150929928	ENST00000574548	26001	NM_015528	RNF167
A_19_P00322498	4,91161	5,11442	-1,150937905	ENST00000558071	N/A	XR_424607	N/A
A_21_P0000115	11,6529	11,8558	-1,151009707	ENST00000553164	10330	NM_001190991	CNPY2
A_33_P3421219	12,3172	12,5201	-1,151009707	N/A	N/A	AK001442	lnc-SHCBP1L-1
A_21_P0013581	11,0631	11,266	-1,151009707	N/A	642236	N/A	LOC642236
A_33_P3235330	6,90242	7,10532	-1,151009707	ENST00000333027	8897	NM_021090	MTMR3
A_21_P0006289	3,02629	3,22926	-1,151065555	N/A	N/A	N/A	lnc-CDK20-5
A_21_P0008260	1,39355	1,59657	-1,151105449	N/A	102725429	XR_424460	LOC102725429
A_33_P3402489	4,23048	4,43355	-1,151145344	ENST00000228928	4940	NM_006187	OAS3
A_24_P940135	9,77619	9,97934	-1,151209179	ENST00000477677	1486	NM_004388	CTBS
A_23_P58321	10,0788	10,282	-1,151249077	ENST00000618014	890	NM_001237	CCNA2
A_23_P76557	12,7892	12,9924	-1,151249077	ENST00000546788	55967	NM_018838	NDUFA12
A_23_P82324	7,85772	8,06094	-1,151265037	ENST00000396946	84433	NM_032415	CARD11
A_21_P0011730	5,53344	5,73675	-1,151336859	ENST00000598425	N/A	N/A	N/A
A_22_P00019335	2,88811	3,09145	-1,151360801	N/A	N/A	AK022003	lnc-C17orf66-1
A_33_P3381464	5,59778	5,80113	-1,151368781	N/A	N/A	AK125883	N/A
A_21_P0000792	1,64872	1,85207	-1,151368781	N/A	100506779	NR_038410	BZRAP1-AS1
A_23_P79043	13,0488	13,2522	-1,151408685	ENST00000477168	10430	NM_032635	TMEM147
A_33_P3268408	9,03641	9,23981	-1,151408685	ENST00000605511	N/A	N/A	N/A
A_22_P00009644	5,06442	5,26782	-1,151408685	N/A	101929106	NR_110052	LOC101929106
A_24_P16610	8,81457	9,01803	-1,151456572	ENST00000568844	84937	NM_032268	ZNRF1
A_22_P00001872	1,53882	1,7424	-1,151552352	N/A	N/A	N/A	lnc-AWAT2-1
A_33_P3389578	7,97769	8,18127	-1,151552352	N/A	N/A	N/A	N/A
A_23_P206359	13,5957	13,7993	-1,151568316	ENST00000621016	999	NM_004360	CDH1
A_23_P398836	6,25091	6,45459	-1,151632174	ENST00000281741	57544	NM_020784	TXNDC16
A_21_P0008869	5,51402	5,71771	-1,151640156	N/A	N/A	N/A	lnc-TM2D3-1
A_23_P395374	10,3546	10,5583	-1,151648139	N/A	8360	NM_003539	HIST1H4D
A_24_P882914	9,53761	9,74144	-1,151751918	ENST00000369151	143384	NM_153810	CACUL1
A_23_P391164	7,96198	8,16581	-1,151751918	ENST00000488055	84450	NM_032434	ZNF512
A_23_P6398	8,19508	8,39904	-1,151855706	ENST00000415447	162	NM_001127	AP1B1
A_23_P145218	6,91647	7,12051	-1,15191958	ENST00000377662	54718	BC166633	BTN2A3P
A_21_P0007853	1,59719	1,8013	-1,151975473	N/A	N/A	N/A	lnc-HNF1A-1
A_33_P3264349	1,68343	1,88756	-1,151991443	N/A	150185	NR_024381	LINC00895

A_23_P319492	8,12008	8,32425	-1,152023383	ENST00000531935	79607	NM_024556	FAM118B
A_33_P3282669	7,53382	7,73802	-1,152047339	ENST00000429502	27343	NM_001174084	POLL
A_22_P00020635	1,68596	1,89017	-1,152055324	N/A	100128325	XR_242350	LOC100128325
A_23_P434352	13,4558	13,6601	-1,152127196	ENST00000341926	831	NM_001042440	CAST
A_23_P67896	5,18073	5,38519	-1,152254978	ENST00000409101	6328	NM_006922	SCN3A
A_23_P141044	10,2731	10,4776	-1,152286925	ENST00000223459	146542	NM_145271	ZNF688
A_22_P00001097	3,29565	3,5002	-1,152326861	N/A	101928118	NR_125949	LOC101928118
A_33_P3363680	2,57297	2,77758	-1,152374786	N/A	N/A	N/A	XLOC_I2_000018
A_21_P0010337	4,44885	4,65353	-1,152430701	N/A	N/A	N/A	Inc-RABL2B-2
A_22_P00009473	12,0934	12,2981	-1,152446677	ENST00000533935	114796	NR_021487	PSMG3-AS1
A_23_P97892	6,47292	6,67762	-1,152446677	ENST00000425280	8861	NM_003893	LDB1
A_22_P00017114	1,68301	1,88778	-1,152502596	N/A	N/A	N/A	Inc-UAP1L1-2
A_33_P3274731	1,54909	1,75388	-1,152518573	ENST00000621829	1213	NM_001288653	CLTC
A_22_P00024512	4,66896	4,8738	-1,152558517	N/A	100506681	NR_120502	JARID2-AS1
A_23_P74467	10,4908	10,6957	-1,152606451	ENST00000368320	22889	NM_014949	KIAA0907
A_23_P360754	1,5671	1,772	-1,152606451	ENST00000367996	9507	NM_005099	ADAMTS4
A_33_P3383436	11,5704	11,7753	-1,152606451	ENST00000382755	317749	NM_001193636	DHRS4L2
A_23_P16058	7,17551	7,38046	-1,152646398	ENST00000622376	162979	NM_145288	ZNF296
A_33_P3362526	4,55792	4,76288	-1,152654388	ENST00000225728	51003	NM_016060	MED31
A_33_P3519223	5,41194	5,61691	-1,152662378	N/A	N/A	N/A	N/A
A_23_P57347	10,3223	10,5273	-1,152686347	ENST00000359568	5116	NM_006031	PCNT
A_33_P3420167	15,2375	15,4425	-1,152686347	ENST00000455206	N/A	N/A	N/A
A_32_P116271	6,71642	6,92146	-1,152718306	ENST00000624443	404201	NR_015359	WDFY3-AS2
A_23_P94365	9,64765	9,85269	-1,152718306	ENST00000308860	203054	NM_174922	ADCK5
A_23_P93898	2,8017	3,00677	-1,152742277	ENST00000265825	29999	NM_020369	FSCN3
A_24_P39724	7,0037	7,20883	-1,152790219	ENST00000315286	124808	NM_144609	CCDC43
A_22_P00016110	10,4223	10,6275	-1,152846154	ENST00000555446	79178	NM_001256323	THTPA
A_23_P431410	12,3849	12,5901	-1,152846154	ENST00000392753	5937	NM_016836	RBMS1
A_33_P3359943	1,54575	1,75099	-1,152878118	ENST00000618917	7180	XM_005249357	CRISP2
A_23_P395911	7,66915	7,87441	-1,152894101	ENST00000601394	115290	AK021860	FBXO17
A_24_P85537	1,68567	1,89096	-1,152918075	ENST00000439882	9175	NM_004721	MAP3K13
A_33_P3229161	9,00622	9,21155	-1,152950041	ENST00000521776	9724	NM_021645	UTP14C
A_24_P397584	9,40152	9,60688	-1,152974016	ENST00000372876	6903	NM_003192	TBCC

A_23_P139795	6,49795	6,70333	-1,15299	ENST00000257552	4440	NM_002442	MSI1
A_33_P3225091	7,33928	7,54466	-1,15299	ENST00000252891	9253	NM_004756	NUMBL
A_32_P62997	11,5808	11,7862	-1,153005984	ENST00000301905	55872	NM_018492	PBK
A_23_P302595	1,53191	1,73732	-1,153013976	ENST00000487130	221718	NR_027793	LINC00518
A_23_P355980	1,79886	2,0043	-1,153037952	ENST00000413302	9127	AB002058	P2RX6
A_23_P64954	9,90314	10,1086	-1,153053937	ENST00000542371	8078	NM_003481	USP5
A_33_P3397150	7,36838	7,57388	-1,153085907	ENST00000618550	80164	NM_001190467	PRR36
A_21_P0013856	4,72631	4,93181	-1,153085907	N/A	N/A	N/A	Inc-MAGEA8-2
A_23_P331748	3,979	4,18463	-1,153189815	ENST00000421133	945	NM_001772	CD33
A_24_P378019	1,54485	1,75049	-1,153197808	ENST00000330243	3665	NM_004031	IRF7
A_33_P3216568	3,11661	3,32226	-1,153205802	ENST00000621226	4586	XM_006709945	MUC5AC
A_23_P429581	6,46974	6,67545	-1,153253763	ENST00000519845	91147	NM_153704	TMEM67
A_33_P3296482	7,76712	7,97286	-1,153277745	ENST00000495748	5796	NM_001291982	PTPRK
A_21_P0008456	1,61437	1,82015	-1,153309721	N/A	N/A	N/A	Inc-MAP3K9-3
A_23_P162596	10,169	10,3748	-1,153325709	ENST00000188312	64431	NM_022496	ACTR6
A_21_P0009484	7,23136	7,43722	-1,153373676	N/A	N/A	N/A	Inc-WDR7-6
A_22_P00024611	1,63933	1,84519	-1,153373676	N/A	N/A	N/A	Inc-USP13-1
A_22_P00012807	5,07187	5,27775	-1,153389665	N/A	N/A	N/A	Inc-RAP1GDS1-3
A_19_P00812349	7,24137	7,44728	-1,153413649	ENST00000600047	390980	NM_001023563	ZNF805
A_22_P00011501	1,58147	1,78744	-1,153461619	ENST00000547089	N/A	BX646043	N/A
A_24_P500891	12,8451	13,0511	-1,153485605	ENST00000373449	204	NM_013411	AK2
A_33_P3275290	10,5415	10,7475	-1,153485605	ENST00000463827	55830	NM_001010983	GLT8D1
A_21_P0012044	1,5568	1,76284	-1,153517587	ENST00000439237	102725407	N/A	LOC102725407
A_24_P102981	12,3868	12,5929	-1,153565561	ENST00000477917	3300	NM_006736	DNAJB2
A_33_P3365666	7,0316	7,23774	-1,153597545	N/A	N/A	N/A	N/A
A_24_P590560	6,41689	6,62307	-1,15362953	ENST00000549207	54700	NM_018427	RRN3
A_23_P394448	8,02249	8,22868	-1,153637527	ENST00000612226	23333	NM_015283	DPY19L1
A_21_P0007401	1,56276	1,76897	-1,15365352	N/A	N/A	N/A	Inc-USP28-2
A_33_P3260654	8,70578	8,91205	-1,1537015	ENST00000610439	N/A	EU030678	N/A
A_33_P3296562	1,73329	1,93959	-1,153725491	ENST00000426969	339788	NR_015405	LINC00298
A_23_P103905	10,8803	11,0866	-1,153725491	ENST00000467540	51506	NM_016406	UFC1
A_23_P145388	16,2218	16,4282	-1,153805464	ENST00000373627	23787	NM_014341	MTCH1
A_21_P0005944	1,56619	1,77263	-1,153837454	ENST00000523550	N/A	N/A	N/A



A_24_P154868	1,40055	1,60703	-1,153869446	ENST00000230588	4224	NM_005588	MEP1A
A_24_P98914	12,089	12,2955	-1,153885442	ENST00000547581	5213	NM_000289	PFKM
A_21_P0000925	2,81443	3,02094	-1,15389344	N/A	N/A	AK022825	Inc-SCCPDH-1
A_22_P00011688	3,98611	4,19268	-1,15394143	ENST00000517660	5159	NM_002609	PDGFRB
A_23_P72157	6,0171	6,22368	-1,153949429	ENST00000404286	84179	NM_032219	MFSDF
A_22_P00008495	5,78248	5,98906	-1,153949429	ENST00000525179	256236	NR_002798	NAPSB
A_23_P205529	11,6156	11,8222	-1,153965426	ENST00000554849	64745	NM_022734	METTLL17
A_33_P3280694	7,46837	7,67503	-1,154013419	ENST00000334003	54103	AL834358	GSAP
A_33_P3304402	1,56947	1,77615	-1,154029417	N/A	N/A	N/A	N/A
A_32_P834166	5,88715	6,09391	-1,154093412	ENST00000266880	N/A	AF128541	N/A
A_33_P3307894	10,3646	10,5714	-1,154125411	N/A	N/A	N/A	N/A
A_23_P424900	3,16001	3,36682	-1,15413341	ENST00000484512	128344	NM_181643	PIFO
A_23_P9883	1,6965	1,90333	-1,15414941	ENST00000336119	114548	NM_001079821	NLRP3
A_33_P3419594	9,31598	9,52282	-1,15415741	N/A	5152	AK074662	PDE9A
A_22_P00006349	2,45039	2,65727	-1,154189411	N/A	N/A	N/A	Inc-FANK1-3
A_23_P87150	10,6309	10,8378	-1,154205411	ENST00000530561	9404	NM_004811	LPXN
A_24_P334130	1,37068	1,57762	-1,154237413	ENST00000426059	2335	NM_054034	FN1
A_22_P00025189	1,57123	1,77818	-1,154245414	N/A	N/A	N/A	Inc-FNBP1L-1
A_22_P00001783	1,57351	1,7805	-1,154277417	N/A	100874090	NR_046647	SLC6A1-AS1
A_24_P510377	5,14667	5,35371	-1,154317422	ENST00000434244	N/A	BC031250	N/A
A_23_P32217	9,55197	9,75904	-1,154341425	ENST00000379858	10210	NM_005802	TOPORS
A_22_P00025501	1,47564	1,68274	-1,154365429	ENST00000443783	414351	N/A	LINC00229
A_21_P0013021	3,43971	3,64683	-1,154381432	N/A	N/A	N/A	XLOC_I2_012467
A_22_P00013576	2,15955	2,36684	-1,154517467	ENST00000565061	N/A	N/A	N/A
A_33_P3418194	14,2791	14,4864	-1,154525469	ENST00000615007	66004	NM_177458	LYNX1
A_22_P00013817	5,54056	5,74795	-1,154597495	N/A	N/A	N/A	Inc-RPA2-1
A_23_P124122	11,4498	11,6572	-1,154605498	ENST00000539093	5827	NM_018663	PXMP2
A_21_P0001313	1,54175	1,74924	-1,154677528	N/A	N/A	N/A	Inc-NFIA-1
A_22_P00015346	1,69408	1,9016	-1,154701539	ENST00000567258	N/A	BC039360	N/A
A_22_P00014975	11,7346	11,9422	-1,154765571	N/A	6601	NM_003075	SMARCC2
A_33_P3409154	8,48177	8,6894	-1,154789584	ENST00000406686	63027	NM_015482	SLC22A23
A_33_P3306828	2,65032	2,85801	-1,154837611	ENST00000438300	N/A	XM_005276120	N/A
A_22_P00018860	15,979	16,1867	-1,154845616	N/A	N/A	N/A	Inc-SERHL2-3

A_33_P3237634	12,8279	13,0356	-1,154845616	ENST00000372383	1831	NM_004089	TSC22D3
A_21_P0003830	3,29106	3,49883	-1,154901651	N/A	N/A	N/A	Inc-TBC1D1-1
A_21_P0000611	9,59109	9,79889	-1,154925667	N/A	90024	NR_033874	FLJ20021
A_22_P00005536	5,41778	5,62562	-1,154957689	N/A	644903	XR_244911	FLJ38668
A_23_P166280	4,77029	4,97815	-1,1549737	ENST00000407780	N/A	N/A	N/A
A_23_P413788	6,81066	7,01856	-1,155005723	ENST00000394790	170384	NM_173540	FUT11
A_24_P209113	8,50605	8,71395	-1,155005723	ENST00000253814	80762	NM_030571	NDFIP1
A_21_P0000353	6,01962	6,22758	-1,155053759	N/A	677773	NR_003007	SCARNA23
A_22_P00012874	1,6111	1,81912	-1,155101798	ENST00000564555	N/A	AK307212	N/A
A_21_P0011476	9,96721	10,1753	-1,155157845	ENST00000567422	11200	NM_001005735	CHEK2
A_23_P208961	10,7381	10,9462	-1,155165852	ENST00000591453	84939	NM_032853	MUM1
A_32_P206698	11,3957	11,6039	-1,155245925	ENST00000600888	1163	NM_001826	CKS1B
A_23_P68892	12,1864	12,3946	-1,155245925	ENST00000216038	51493	NM_014306	RTCB
A_33_P3246598	5,8881	6,09631	-1,155253932	ENST00000413272	389643	NM_001010906	NUGGC
A_22_P00007142	12,5054	12,7137	-1,155326003	ENST00000453717	N/A	BC033528	N/A
A_33_P3284686	6,62757	6,83589	-1,155342019	ENST00000550646	23648	NM_145716	SSBP3
A_24_P98109	7,57362	7,78198	-1,155374053	ENST00000446848	29887	NM_013322	SNX10
A_33_P3379371	13,1906	13,399	-1,155406087	ENST00000473208	6259	NM_001005861	RYK
A_22_P00009291	5,96322	6,17163	-1,155414095	ENST00000528781	101928813	XR_247265	LOC101928813
A_21_P0004179	1,69613	1,90457	-1,155438122	ENST00000450613	N/A	N/A	N/A
A_23_P34568	9,76777	9,97624	-1,155462149	ENST00000373178	54936	NM_017825	ADPRHL2
A_33_P3864861	1,59492	1,80341	-1,155478167	ENST00000426428	339505	NR_033887	LINC01141
A_32_P22257	13,3144	13,5229	-1,155486176	ENST00000443046	3150	NM_004965	HMG1
A_23_P345220	7,79934	8,00787	-1,155510204	ENST00000315994	9644	NM_014631	SH3PXD2A
A_33_P3328395	1,42227	1,63087	-1,155566271	ENST00000569028	146481	NR_026980	FRG2DP
A_33_P3418175	10,9583	11,1669	-1,155566271	ENST00000615007	66004	NM_177458	LYNX1
A_24_P84608	8,86125	9,06987	-1,155582291	ENST00000453177	N/A	N/A	N/A
A_22_P00012686	1,60242	1,81107	-1,155606321	ENST00000584807	100188917	N/A	ESP33
A_23_P204423	11,4783	11,6871	-1,155726478	ENST00000335007	5501	NM_002710	PPP1CC
A_23_P66306	11,3924	11,6012	-1,155726478	ENST00000262374	56052	NM_019109	ALG1
A_21_P0014422	10,7084	10,9172	-1,155726478	ENST00000366413	646513	XR_159371	LOC646513
A_22_P00007179	3,61277	3,82158	-1,155734489	N/A	N/A	N/A	Inc-GNRHR2-1
A_33_P3298440	5,33402	5,54285	-1,155750511	N/A	729324	AK055581	LOC729324

A_22_P00023997	1,5367	1,74553	-1,155750511	N/A	N/A	N/A	Inc-CHST1-4
A_23_P65518	1,71083	1,91975	-1,155822612	ENST00000395153	51339	NM_016651	DACT1
A_22_P00002812	3,94481	4,15373	-1,155822612	N/A	100874343	N/A	HS1BP3-IT1
A_21_P0009866	3,55508	3,76402	-1,155838636	ENST00000426580	101927820	N/A	LOC101927820
A_21_P0009578	6,40797	6,61694	-1,155862671	N/A	N/A	N/A	Inc-FBXO15-4
A_33_P3289286	6,87833	7,08731	-1,155870683	ENST00000399766	55219	NM_018202	TMEM57
A_23_P25215	11,1006	11,3096	-1,155886707	ENST00000421138	5965	NM_032941	RECQL
A_19_P00320971	4,76269	4,9717	-1,155894719	ENST00000488173	647107	N/A	LINC01192
A_24_P83678	7,52157	7,73058	-1,155894719	ENST00000275053	253714	NM_198468	MMS22L
A_33_P3265803	5,04563	5,25464	-1,155894719	ENST00000400154	245911	NM_001002035	DEFB108B
A_23_P51317	8,08565	8,29475	-1,155966829	ENST00000370141	54482	NM_019083	TRMT13
A_21_P0005424	2,33789	2,547	-1,155974842	N/A	N/A	N/A	Inc-SPAM1-4
A_21_P0003283	2,12166	2,3308	-1,15599888	N/A	N/A	N/A	Inc-ANO10-1
A_23_P110957	1,61856	1,82773	-1,156022919	ENST00000259806	2295	NM_001452	FOXF2
A_33_P3713357	12,282	12,4912	-1,156046958	ENST00000491388	214	NM_001627	ALCAM
A_21_P0014855	3,45306	3,66226	-1,156046958	N/A	N/A	N/A	N/A
A_23_P39386	7,02792	7,23716	-1,15607901	ENST00000437550	10870	NM_014266	HCST
A_33_P3248863	12,4723	12,6816	-1,156127091	ENST00000331336	124751	NM_213597	KRBA2
A_33_P7431456	17,4752	17,6845	-1,156127091	ENST00000612468	3133	NM_005516	HLA-E
A_23_P26117	9,31929	9,52861	-1,156143119	ENST00000564570	4123	NM_006715	MAN2C1
A_32_P110016	5,4817	5,69105	-1,15616716	N/A	101928424	XR_252953	LOC101928424
A_22_P00009826	1,89622	2,10564	-1,156223259	ENST00000573312	N/A	N/A	N/A
A_33_P3314276	13,2476	13,4571	-1,156287376	ENST00000308748	253982	NM_181718	ASPHD1
A_22_P00004422	5,30987	5,51943	-1,156335465	N/A	N/A	N/A	Inc-COPZ2-1
A_21_P0000526	2,05809	2,26765	-1,156335465	N/A	65982	NR_027135	ZSCAN18
A_23_P21086	5,72563	5,93519	-1,156335465	ENST00000520124	203190	NM_139278	LGI3
A_22_P00017691	3,04391	3,25349	-1,156351496	ENST00000422253	101928565	N/A	LOC101928565
A_33_P3246010	9,99806	10,2077	-1,156399588	N/A	N/A	AK092494	N/A
A_33_P3294404	9,16617	9,37587	-1,156447682	ENST00000446189	79647	NM_024595	AKIRIN1
A_33_P3381948	10,7243	10,9341	-1,156527844	ENST00000590071	126374	NM_001080436	WTIP
A_23_P31109	12,2036	12,4135	-1,156608011	ENST00000367419	116254	NM_138785	GINM1
A_23_P166698	12,4667	12,6766	-1,156608011	ENST00000011691	51188	NM_016305	SS18L2
A_23_P170959	2,50418	2,71421	-1,156712237	ENST00000482695	89782	NM_033029	LMLN

A_33_P3233645	6,47167	6,68174	-1,156744308	ENST00000379811	4495	NM_001301267	MT1G
A_33_P3313030	4,70612	4,91625	-1,156792417	N/A	79770	NM_024715	TXNDC15
A_32_P101689	13,8088	14,019	-1,156848546	ENST00000359943	10447	NM_014888	FAM3C
A_23_P53467	9,33391	9,54412	-1,156856565	ENST00000342502	121457	NM_201612	IKBIP
A_23_P139998	10,2081	10,4184	-1,156928735	ENST00000480738	337867	NM_177967	UBAC2
A_24_P327084	4,76316	4,97349	-1,156952793	ENST00000293851	260429	NM_152891	PRSS33
A_19_P00811264	6,00285	6,21318	-1,156952793	N/A	N/A	N/A	Inc-TSHZ1-1
A_24_P131522	9,74144	9,95178	-1,156960813	ENST00000303714	84168	NM_032208	ANTXR1
A_23_P354805	9,0904	9,30078	-1,156992891	ENST00000377669	11278	NM_007249	KLF12
A_23_P18604	11,1072	11,3176	-1,15700893	ENST00000606142	51056	NM_015907	LAP3
A_23_P259451	11,3432	11,5537	-1,157089131	ENST00000296581	11157	NM_007080	LSM6
A_23_P44974	13,8866	14,0971	-1,157089131	ENST00000613356	28998	NM_014078	MRPL13
A_23_P79251	4,74285	4,95343	-1,157153295	ENST00000322054	30845	NM_014600	EHD3
A_21_P0013517	13,4179	13,6285	-1,157169337	N/A	N/A	N/A	XLOC_I2_014549
A_21_P0007508	2,50639	2,71705	-1,157217463	N/A	N/A	N/A	Inc-C12orf49-1
A_24_P109214	7,59077	7,80146	-1,157241527	ENST00000588750	341	NM_001645	APOC1
A_23_P130182	9,74652	9,95724	-1,157265592	ENST00000580390	9212	NM_004217	AURKB
A_33_P3465440	1,38384	1,59457	-1,157273613	N/A	N/A	N/A	N/A
A_32_P159612	5,50106	5,7118	-1,157281635	ENST00000225823	40	NM_183377	ASIC2
A_22_P00012145	4,13833	4,34909	-1,157297678	N/A	N/A	BC035163	Inc-POLR3E-2
A_23_P213832	8,43716	8,64794	-1,157313722	ENST00000514646	84651	NM_032566	SPINK7
A_23_P386241	14,2693	14,4801	-1,157329766	ENST00000304189	83541	NM_001042353	FAM110A
A_24_P50554	16,3622	16,5731	-1,157409989	ENST00000461464	N/A	N/A	N/A
A_22_P00014979	7,67155	7,88254	-1,157482194	N/A	N/A	N/A	Inc-SMARCC2-5
A_23_P413285	6,42461	6,63563	-1,157506263	ENST00000514039	57545	NM_001080522	CC2D2A
A_22_P00019534	1,49844	1,70947	-1,157514287	ENST00000567742	N/A	N/A	N/A
A_32_P203029	1,60272	1,81381	-1,157562427	ENST00000461107	171483	NM_205849	FAM9B
A_22_P00025822	3,95097	4,16206	-1,157562427	N/A	100130264	NR_024564	LOC100130264
A_33_P3266998	6,09989	6,31102	-1,157594522	ENST00000392176	100996259	NR_126160	FAM106B
A_33_P3365392	5,86596	6,07721	-1,157690812	N/A	401557	NR_046107	LOC401557
A_23_P404045	5,19856	5,40987	-1,15773896	ENST00000376585	4524	NM_005957	MTHFR
A_33_P3285893	5,08623	5,29755	-1,157746985	ENST00000409497	9805	NM_001145513	SCRN1
A_24_P213120	1,57709	1,78843	-1,157763035	ENST00000329862	120146	NM_001136486	TRIM64

A_23_P100642	4,51259	4,72399	-1,157811186	ENST00000269582	5409	NM_002686	PNMT
A_23_P254756	12,0622	12,2736	-1,157811186	ENST00000310786	8763	NM_006016	CD164
A_23_P98483	12,2028	12,4142	-1,157811186	N/A	58486	NM_021211	ZBED5
A_22_P00015751	5,93735	6,14882	-1,157867365	N/A	N/A	DQ323994	Inc-TAF1C-1
A_33_P3331326	10,4427	10,6542	-1,157891442	N/A	N/A	N/A	N/A
A_23_P61633	12,7312	12,9427	-1,157891442	ENST00000420716	10188	NM_005781	TNK2
A_21_P0001664	4,74764	4,95916	-1,157907494	ENST00000414210	100505887	N/A	LOC100505887
A_22_P00023975	5,37354	5,58511	-1,157947625	N/A	101927832	NR_125393	PAQR9-AS1
A_33_P3418130	4,14778	4,35936	-1,157955651	ENST00000373373	139596	NM_145052	UPRT
A_22_P00020454	4,17894	4,39052	-1,157955651	N/A	N/A	BE048204	Inc-CHPF-1
A_33_P3228573	11,8572	12,0688	-1,157971704	ENST00000584454	79058	NM_001251888	ASPSR1
A_21_P0014940	6,18422	6,39588	-1,158019863	N/A	N/A	AB019568	Inc-TSC1-1
A_33_P3346937	5,25749	5,46918	-1,158043944	ENST00000393630	23041	NM_001278471	MON2
A_23_P61042	1,59612	1,80781	-1,158043944	ENST00000390539	N/A	S55735	N/A
A_33_P3350547	1,97913	2,19082	-1,158043944	ENST00000333535	6331	NM_001099404	SCN5A
A_24_P345498	11,7734	11,9851	-1,158051971	ENST00000460284	7520	NM_021141	XRCC5
A_33_P3269803	12,327	12,5387	-1,158051971	ENST00000331148	9746	NM_014718	CLSTN3
A_33_P3419003	16,7571	16,9688	-1,158051971	ENST00000424692	N/A	N/A	N/A
A_24_P238333	11,4884	11,7001	-1,158051971	ENST00000560515	10412	NM_014886	NSA2
A_21_P0014561	3,43605	3,64776	-1,158059998	N/A	100506016	XR_110305	LOC100506016
A_21_P0008444	3,13096	3,34282	-1,15818041	N/A	N/A	N/A	Inc-OTX2-3
A_23_P48669	11,435	11,6469	-1,158212522	ENST00000555837	1033	NM_005192	CDKN3
A_33_P3294961	12,0371	12,249	-1,158212522	ENST00000398475	7462	XM_005250562	LAT2
A_23_P133359	1,50827	1,72018	-1,15822055	ENST00000523286	80108	NM_030613	ZFP2
A_24_P143127	1,81325	2,02522	-1,15826872	ENST00000541091	2892	NM_000828	GRIA3
A_21_P0004526	1,66168	1,87377	-1,158365067	N/A	N/A	N/A	Inc-PRR16-1
A_23_P107513	7,84589	8,05805	-1,158421272	ENST00000423709	79959	NM_024899	CEP76
A_23_P166566	2,97128	3,18347	-1,158445361	ENST00000481536	79825	NM_024768	EFCC1
A_33_P3324890	11,1313	11,3435	-1,158453391	ENST00000507090	N/A	N/A	N/A
A_19_P00315593	5,44793	5,66016	-1,15847748	ENST00000521373	N/A	N/A	N/A
A_22_P00020841	2,96703	3,17929	-1,158501571	N/A	N/A	N/A	Inc-RBMS1-2
A_23_P80336	11,9417	12,154	-1,158533691	ENST00000492561	56993	NM_020243	TOMM22
A_32_P70158	4,04135	4,2537	-1,158573844	ENST00000346401	11025	NM_006864	LILRB3

A_22_P00000274	1,65832	1,87068	-1,158581875	N/A	N/A	AK123150	Inc-AC008060.7.1-2
A_33_P3281616	9,33209	9,54448	-1,158605967	ENST00000381037	150383	NM_207327	CDPF1
A_33_P3239455	5,30811	5,52055	-1,158646122	ENST00000394939	389524	NM_001003795	GTF2IRD2B
A_33_P6811736	1,58294	1,79539	-1,158654153	ENST00000501499	643770	NR_038383	LOC643770
A_22_P00016489	6,43221	6,64468	-1,158670215	N/A	102724715	XR_424811	LOC102724715
A_22_P00007888	6,44459	6,65707	-1,158678247	ENST00000583864	100188953	DA079394	LINC00092
A_23_P71727	13,892	14,1045	-1,158694309	ENST00000314355	1164	NM_001827	CKS2
A_24_P131392	6,77955	6,99213	-1,158758563	ENST00000442857	151393	NM_144713	RMDN2
A_22_P00008013	3,41535	3,62794	-1,158766595	N/A	N/A	AK125500	Inc-IFRD2-2
A_22_P00021957	4,70521	4,91786	-1,158814788	ENST00000525758	N/A	BX647519	N/A
A_33_P3417589	10,6338	10,8465	-1,15885495	ENST00000441609	N/A	N/A	N/A
A_23_P204246	3,30796	3,52073	-1,158911179	ENST00000433083	1911	NM_004426	PHC1
A_21_P0014849	5,55571	5,76856	-1,158975445	N/A	N/A	N/A	N/A
A_33_P3414113	4,97584	5,18872	-1,158999545	N/A	729041	NR_045483	FAAHP1
A_21_P0004860	5,79428	6,00716	-1,158999545	N/A	11120	NM_001197234	BTN2A1
A_24_P139094	13,3967	13,6096	-1,159015612	ENST00000598564	6455	NM_003025	SH3GL1
A_21_P0013609	3,0191	3,23205	-1,159055781	N/A	N/A	N/A	XLOC_I2_015075
A_22_P00000759	1,65273	1,86571	-1,159079884	ENST00000512746	N/A	N/A	N/A
A_21_P0002554	1,3987	1,61175	-1,159136124	N/A	N/A	N/A	Inc-HDAC4-2
A_22_P00014709	4,82887	5,04193	-1,159144158	N/A	N/A	N/A	Inc-SLC25A47-3
A_21_P0006356	1,60227	1,81533	-1,159144158	N/A	N/A	N/A	Inc-NAA35-1
A_22_P00017143	2,66037	2,87343	-1,159144158	ENST00000496217	N/A	N/A	N/A
A_21_P0011156	1,57752	1,79059	-1,159152193	N/A	N/A	N/A	XLOC_I2_003839
A_23_P53476	16,6759	16,889	-1,159176297	ENST00000396076	3945	NM_002300	LDHB
A_23_P121602	8,72873	8,94184	-1,159184332	ENST00000296504	8819	NM_003864	SAP30
A_19_P00325768	12,1926	12,4058	-1,159256648	N/A	N/A	N/A	N/A
A_33_P3402500	14,3144	14,5276	-1,159256648	ENST00000495549	51522	NM_001165258	TMEM14C
A_22_P00003212	4,59406	4,80729	-1,159280754	ENST00000529518	N/A	N/A	N/A
A_23_P121276	7,83281	8,04609	-1,159320932	ENST00000535191	6787	NM_003157	NEK4
A_23_P328836	8,25107	8,46436	-1,159328968	ENST00000356016	84458	NM_032440	LCOR
A_23_P366726	5,32014	5,53344	-1,159337004	ENST00000380067	399512	NM_201520	SLC25A35
A_33_P3365616	10,3066	10,5199	-1,159337004	ENST00000313334	91408	NM_152265	BTF3L4
A_21_P0008966	1,55327	1,76657	-1,159337004	N/A	N/A	N/A	Inc-CALB2-1

A_23_P90565	5,17863	5,39205	-1,159433439	ENST00000272321	51057	NM_015910	WDPCP
A_22_P00006274	2,60698	2,82047	-1,159489697	ENST00000413050	101927502	NR_109772	LOC101927502
A_33_P3399980	1,59976	1,81325	-1,159489697	ENST00000381142	7306	NM_000550	TYRP1
A_24_P170763	12,0921	12,3056	-1,159497734	ENST00000251343	23351	NM_015299	KHNYN
A_23_P98382	14,5167	14,7302	-1,159497734	ENST00000507614	26521	NM_012459	TIMM8B
A_23_P206107	8,95994	9,17345	-1,159505771	ENST00000570276	25989	NM_001099436	ULK3
A_22_P00017819	4,10661	4,32017	-1,159545957	ENST00000452923	N/A	N/A	N/A
A_23_P22096	11,289	11,5026	-1,159578107	ENST00000519993	5747	NM_153831	PTK2
A_23_P654	9,58402	9,79762	-1,159578107	ENST00000375733	7709	NM_003443	ZBTB17
A_23_P167389	11,9728	12,1864	-1,159578107	ENST00000512390	64411	NM_022481	ARAP3
A_23_P414328	1,61757	1,83118	-1,159586144	ENST00000307139	27091	NM_145811	CACNG5
A_21_P0012286	2,45806	2,67184	-1,159722792	N/A	N/A	N/A	XLOC_I2_009469
A_21_P0005574	1,75875	1,97254	-1,159730831	N/A	N/A	N/A	Inc-ASB15-1
A_23_P390744	12,9537	13,1675	-1,159738869	ENST00000255759	123811	NM_144600	FOPNL
A_23_P309261	11,3841	11,5979	-1,159738869	ENST00000487258	10142	NM_005751	AKAP9
A_23_P124164	10,0981	10,3119	-1,159738869	ENST00000485703	57461	NM_020701	ISY1
A_33_P3385983	6,2781	6,49191	-1,159746908	ENST00000430024	7568	NM_021143	ZNF20
A_24_P417189	7,60433	7,81815	-1,159754947	ENST00000342782	1852	NM_001395	DUSP9
A_24_P359117	9,35233	9,5662	-1,159795142	ENST00000335500	23131	NM_001002909	GPATCH8
A_22_P00010682	1,6979	1,91177	-1,159795142	ENST00000433356	N/A	N/A	N/A
A_22_P00007235	4,22834	4,44222	-1,159803181	N/A	N/A	N/A	Inc-GPN2-1
A_22_P00012447	3,84441	4,0583	-1,15981122	N/A	N/A	N/A	Inc-PRPF18-2
A_23_P35617	10,9112	11,1251	-1,159819259	ENST00000371385	51196	NM_016341	PLCE1
A_22_P00022568	1,9945	2,20841	-1,159827298	ENST00000429469	N/A	N/A	N/A
A_23_P259580	8,08154	8,29547	-1,159843377	ENST00000437116	6892	NM_172208	TAPBP
A_22_P00002072	1,50436	1,71833	-1,159875535	ENST00000487973	9576	N/A	SPAG6
A_33_P3230073	13,6194	13,8334	-1,159899655	ENST00000447259	N/A	N/A	N/A
A_33_P3261648	8,20179	8,41582	-1,159923774	ENST00000452478	57730	NM_025190	ANKRD36B
A_22_P00005708	4,8578	5,07187	-1,159955935	N/A	N/A	AK128630	Inc-ELMOD3-1
A_21_P0006522	4,68929	4,9034	-1,159988096	N/A	N/A	N/A	Inc-ARSD-2
A_33_P3308585	6,84935	7,06348	-1,160004177	N/A	283314	NR_026947	C1RL-AS1
A_22_P00018023	1,58891	1,80304	-1,160004177	N/A	N/A	N/A	Inc-ZNF208-1
A_33_P3284129	4,48912	4,70325	-1,160004177	ENST00000397463	116372	NM_144586	LYPD1

A_21_P0004003	1,68531	1,89947	-1,160028299	ENST00000438117	N/A	N/A	N/A
A_22_P00010913	1,51142	1,72563	-1,160068503	N/A	102724776	NR_125937	LOC102724776
A_33_P3256585	4,30317	4,51743	-1,160108708	N/A	100129528	XM_005275730	MUC8
A_33_P3330211	4,18778	4,40207	-1,160132832	ENST00000476695	26053	NM_001127232	AUTS2
A_23_P38181	10,3107	10,525	-1,160140874	ENST00000613421	23163	NM_138619	GGA3
A_32_P115050	2,67079	2,88513	-1,16017304	N/A	646576	NR_037595	HHIP-AS1
A_33_P3278916	3,47908	3,69343	-1,160181082	ENST00000361997	51105	N/A	PHF20L1
A_23_P12140	14,0098	14,2242	-1,160221292	ENST00000461952	6125	NM_000969	RPL5
A_33_P3400943	11,2274	11,4418	-1,160221292	ENST00000611166	29965	NM_001199054	CDIP1
A_33_P3224020	13,9791	14,1936	-1,160301715	N/A	644000	BC033982	ARAFP2
A_21_P0002981	2,24488	2,45942	-1,160333886	N/A	N/A	N/A	Inc-ROBO2-1
A_24_P191656	10,3672	10,5818	-1,160382144	ENST00000511227	28976	NM_014049	ACAD9
A_33_P3274199	13,5229	13,7375	-1,160382144	ENST00000579674	90313	NM_138349	TP53I13
A_23_P28969	13,2293	13,4439	-1,160382144	ENST00000217402	128866	NM_176812	CHMP4B
A_33_P3406572	1,64128	1,85604	-1,160510841	N/A	N/A	N/A	Inc-VAPB-1
A_33_P3399693	5,28488	5,49969	-1,160551062	N/A	100127955	AK127048	LOC100127955
A_23_P211106	8,80679	9,02166	-1,160599329	ENST00000487297	54093	NM_017438	SETD4
A_32_P106194	8,2298	8,44468	-1,160607374	ENST00000300433	162461	NM_153229	TMEM92
A_23_P150255	12,0733	12,2882	-1,160623463	ENST00000310137	10432	NM_006328	RBM14
A_23_P256148	9,69808	9,91299	-1,160631508	ENST00000446189	79647	NM_024595	AKIRIN1
A_33_P3316721	1,6145	1,82943	-1,160647598	ENST00000377574	116085	NM_144585	SLC22A12
A_22_P00017756	3,22147	3,43644	-1,160679778	ENST00000553381	56252	N/A	YLPM1
A_23_P99625	3,1847	3,39974	-1,160736096	ENST00000267426	161247	NM_203402	FITM1
A_33_P3308672	4,02351	4,23858	-1,160760233	ENST00000614972	91948	AK025311	LINC00923
A_23_P113184	11,085	11,3001	-1,160784371	ENST00000463855	79068	NM_001080432	FTO
A_21_P0006728	7,13404	7,34915	-1,160792417	ENST00000449712	100216001	N/A	LINC00704
A_21_P0009846	3,78568	4,0008	-1,160800463	ENST00000416646	N/A	N/A	N/A
A_24_P117177	5,9423	6,15743	-1,160808509	ENST00000486336	90203	NM_152897	SNX21
A_21_P0003294	9,69848	9,91367	-1,160856787	N/A	N/A	N/A	Inc-NAA50-2
A_22_P00016652	1,54377	1,75899	-1,160880926	N/A	N/A	N/A	Inc-TP53I13-2
A_23_P321223	1,63223	1,84752	-1,160937254	ENST00000329406	5367	NM_002674	PMCH
A_21_P0006444	1,64915	1,86446	-1,160953348	N/A	N/A	N/A	Inc-MAP7D2-1
A_33_P3414949	3,81797	4,03328	-1,160953348	N/A	5827	BC009836	PXMP2



A_33_P3398912	11,491	11,7064	-1,161025774	ENST00000485978	11182	NM_017585	SLC2A6
A_23_P61960	4,55763	4,77307	-1,161057965	ENST00000606024	155066	NM_145230	ATP6V0E2
A_23_P162918	5,48887	5,70431	-1,161057965	ENST00000555820	12	NM_001085	SERPINA3
A_33_P3393941	12,1143	12,3298	-1,161106253	ENST00000562886	8720	NM_003791	MBTPS1
A_23_P43412	1,70201	1,91751	-1,161106253	ENST00000616898	55363	NM_018437	HEMGN
A_33_P3734384	1,50159	1,71713	-1,161138447	N/A	N/A	AK097526	Inc-MYO1G-1
A_22_P00008513	1,61984	1,8355	-1,161235031	ENST00000555156	101954204	NR_104063	LINC00644
A_33_P3226212	2,59137	2,80707	-1,161267228	ENST00000460679	58494	NM_001270408	JAM2
A_21_P0010138	1,6386	1,85433	-1,161291376	N/A	N/A	N/A	Inc-AF127577.1-6
A_33_P3417113	3,37365	3,58941	-1,161315525	ENST00000381553	387129	NM_001300934	NPSR1
A_23_P216689	10,8191	11,0349	-1,161347724	ENST00000303407	8019	NM_007371	BRD3
A_33_P3385750	4,20711	4,42292	-1,161355774	ENST00000445217	390927	NM_001013659	ZNF793
A_23_P2645	3,47851	3,69434	-1,161371874	ENST00000257549	10993	NM_006843	SDS
A_33_P3333187	4,22101	4,43689	-1,161412124	N/A	N/A	N/A	N/A
A_33_P3239102	11,5143	11,7302	-1,161428225	N/A	N/A	N/A	N/A
A_33_P3799692	6,57484	6,79078	-1,161460427	ENST00000609742	N/A	BC043009	N/A
A_22_P00002543	8,90904	9,12502	-1,16149263	N/A	N/A	AI632035	Inc-C17orf63-1
A_24_P106591	10,579	10,795	-1,161508732	ENST00000244777	63915	NM_201280	BLOC1S5
A_23_P148297	11,7147	11,9307	-1,161508732	ENST00000373212	6451	NM_003022	SH3BGRL
A_24_P177585	7,12944	7,3455	-1,161557039	ENST00000381254	348654	NM_182625	GEN1
A_33_P3326647	1,76871	1,98484	-1,161613399	ENST00000342528	340990	AK128214	OTOG
A_22_P00015411	4,49931	4,71545	-1,161621451	N/A	100507599	XR_109753	LOC100507599
A_23_P343594	7,67369	7,88983	-1,161621451	ENST00000251722	55230	NM_018218	USP40
A_33_P3324810	3,71723	3,93349	-1,161718076	ENST00000390446	N/A	AK127936	N/A
A_23_P96350	8,16358	8,37987	-1,161742233	ENST00000553851	11230	NM_007213	PRAF2
A_21_P0012520	1,72426	1,94058	-1,161766391	ENST00000416648	N/A	N/A	N/A
A_23_P200001	5,11311	5,32945	-1,161782497	ENST00000480732	91624	NM_144573	NEXN
A_21_P0014594	2,68971	2,90607	-1,161798603	N/A	N/A	N/A	Inc-PDCD11-1
A_23_P14774	16,5242	16,7406	-1,161830815	ENST00000533777	1512	NM_004390	CTSH
A_22_P00012702	4,01186	4,22834	-1,161895243	N/A	100874203	NR_046583	COL4A2-AS1
A_23_P29684	12,4687	12,6852	-1,16191135	ENST00000486616	50853	NM_015873	VILL
A_33_P3330498	5,91526	6,13179	-1,161935511	ENST00000409134	501	NM_001182	ALDH7A1
A_33_P3252475	1,54669	1,76326	-1,161967728	ENST00000499006	388011	NR_015430	LINC01550

A_23_P144311	11,372	11,5886	-1,16199189	ENST00000381227	5431	NM_000938	POLR2B
A_33_P3702281	10,0026	10,2193	-1,162072436	N/A	284014	AK095567	LOC284014
A_23_P396917	4,06325	4,28	-1,162112711	ENST00000307257	79864	NM_199124	C11orf63
A_23_P109907	14,6934	14,9102	-1,162152988	ENST00000344209	286676	NM_175924	ILDR1
A_22_P00006933	2,24499	2,46179	-1,162152988	N/A	N/A	N/A	Inc-GATAD2B-1
A_23_P63038	10,0918	10,3087	-1,162233545	ENST00000462474	64175	NM_022356	P3H1
A_33_P3287883	7,79717	8,0141	-1,162257713	ENST00000617682	100133331	NR_028327	LOC100133331
A_33_P3351495	2,1103	2,32723	-1,162257713	ENST00000442856	N/A	N/A	N/A
A_23_P75179	1,50144	1,71846	-1,162330221	N/A	54777	NM_001200049	CFAP46
A_23_P7560	1,46735	1,68439	-1,162346334	ENST00000231228	3593	NM_002187	IL12B
A_21_P0008219	6,21704	6,43413	-1,162386619	N/A	N/A	N/A	Inc-TUBGCP3-6
A_21_P0006997	3,55038	3,76761	-1,162499423	N/A	N/A	N/A	Inc-MBL2-2
A_23_P303101	3,9981	4,21533	-1,162499423	ENST00000617094	56098	NM_032406	PCDHGC4
A_22_P00002693	5,55376	5,771	-1,162507481	ENST00000436334	N/A	N/A	N/A
A_23_P430792	1,58821	1,80549	-1,162539713	ENST00000603323	256957	NM_152781	HEATR9
A_21_P0007417	1,96425	2,18154	-1,162547771	N/A	N/A	N/A	Inc-RP11-680F20.4.1-2
A_24_P195037	10,66	10,8773	-1,162555829	ENST00000493514	148423	NM_198077	C1orf52
A_23_P66599	12,1995	12,4168	-1,162555829	ENST00000253794	84313	NM_032353	VPS25
A_21_P0001596	3,83903	4,05635	-1,162571946	N/A	N/A	N/A	Inc-CREG1-1
A_33_P3324692	8,5723	8,78971	-1,162644473	ENST00000425059	644974	NM_001136152	ALG1L2
A_22_P00022297	2,92488	3,14232	-1,16266865	ENST00000521681	N/A	BX956631	N/A
A_22_P00014455	4,23349	4,45097	-1,162700886	N/A	N/A	N/A	Inc-SH3BGR13-1
A_33_P3233666	8,78184	8,99935	-1,162725064	ENST00000489806	10556	NM_001104546	RPP30
A_33_P3248072	8,21773	8,43526	-1,162741183	ENST00000279477	10326	NM_001135844	SIRPB1
A_22_P00011352	3,85371	4,07126	-1,162757302	N/A	N/A	N/A	Inc-OVGP1-2
A_33_P3289005	8,15603	8,37358	-1,162757302	ENST00000446015	130340	NM_001039569	AP1S3
A_24_P374759	1,3844	1,6021	-1,162878203	ENST00000492584	26059	NM_015576	ERC2
A_23_P46309	9,41209	9,62982	-1,162902384	ENST00000373832	1104	NM_001048199	RCC1
A_22_P00023509	1,54346	1,76124	-1,162942688	N/A	N/A	AK056505	Inc-SPATA19-2
A_33_P3307157	1,35105	1,56883	-1,162942688	ENST00000369519	282996	NM_001134363	RBM20
A_21_P0005718	1,76054	1,97833	-1,162950749	N/A	N/A	N/A	Inc-RP11-383H13.1.1-2
A_24_P357709	9,12112	9,33891	-1,162950749	ENST00000492449	23355	NM_001009921	VPS8
A_22_P00008677	1,64556	1,86341	-1,162999116	N/A	100874264	NR_046764	AOAH-IT1

A_23_P31984	3,28355	3,50141	-1,163007177	ENST00000333999	10881	NM_006687	ACTL7A
A_33_P3239587	13,9346	14,1525	-1,163039423	ENST00000375036	439921	NM_001008529	MXRA7
A_22_P00010415	1,55043	1,76834	-1,163047485	N/A	N/A	N/A	Inc-MYOCD-1
A_32_P99432	12,5486	12,7666	-1,163120042	ENST00000317378	126003	NM_174894	TRAPPC5
A_22_P00023433	4,30806	4,52609	-1,163144228	ENST00000607953	N/A	N/A	N/A
A_33_P3355950	1,87869	2,0968	-1,163208728	ENST00000584910	284276	N/A	LINC00908
A_22_P00009573	5,69742	5,91555	-1,163224854	N/A	N/A	AL117542	Inc-MAP6-3
A_19_P00318725	2,85598	3,07415	-1,163257106	ENST00000422047	101927528	N/A	LINC01204
A_21_P0013710	2,82227	3,04049	-1,163297422	ENST00000427778	N/A	N/A	N/A
A_23_P319005	3,06368	3,28191	-1,163305485	ENST00000303177	51617	NM_015980	HMP19
A_23_P26759	8,71111	8,92934	-1,163305485	ENST00000592228	124583	NM_138793	CANT1
A_23_P204016	8,63873	8,857	-1,16333774	ENST00000548860	784	NM_000725	CACNB3
A_22_P00006337	1,36554	1,5839	-1,163410315	ENST00000560008	254559	NR_015411	LINC00925
A_23_P329112	4,30113	4,51956	-1,163466765	ENST00000527670	3718	NM_000215	JAK3
A_24_P190877	6,63587	6,85432	-1,163482894	ENST00000367506	81627	NM_030934	TRMT1L
A_23_P346291	2,83018	3,04869	-1,163531283	ENST00000332582	54328	NM_018969	GPR173
A_23_P40989	8,03611	8,25464	-1,163547413	ENST00000263966	8975	NM_003940	USP13
A_23_P157361	9,83067	10,0492	-1,163547413	ENST00000467220	55112	NM_018051	WDR60
A_22_P00010774	1,70158	1,92012	-1,163555478	N/A	N/A	N/A	Inc-NKX2-5-2
A_33_P3210423	7,19513	7,41367	-1,163555478	ENST00000577831	5469	NM_004774	MED1
A_23_P382188	11,5851	11,8037	-1,16360387	ENST00000597593	55620	NM_001013841	STAP2
A_33_P3225512	8,8483	9,06692	-1,163620001	ENST00000620097	4939	NM_002535	OAS2
A_21_P0011709	1,56949	1,78813	-1,163636133	N/A	N/A	N/A	XLOC_I2_006812
A_21_P0004324	1,53929	1,75797	-1,163668396	N/A	N/A	N/A	Inc-GABRG2-1
A_21_P0011566	11,2537	11,4724	-1,163684528	N/A	N/A	N/A	XLOC_I2_005952
A_24_P410582	8,66771	8,88642	-1,163692594	ENST00000419541	9686	NM_014667	VGLL4
A_22_P00007093	1,38849	1,60721	-1,16370066	N/A	100505784	XR_109853	LOC100505784
A_23_P412321	5,02555	5,24431	-1,163732925	ENST00000292303	1234	NM_000579	CCR5
A_21_P0003709	3,98088	4,19965	-1,163740992	N/A	N/A	N/A	Inc-FAM53A-2
A_22_P00007448	1,92065	2,13953	-1,163829726	N/A	100873955	NR_046827	LNK1-AS2
A_23_P156355	10,1757	10,3946	-1,16384586	ENST00000296595	153396	NM_153354	TMEM161B
A_32_P150891	9,11126	9,33016	-1,16384586	ENST00000400324	81624	NM_001042517	DIAPH3
A_24_P612446	7,87888	8,09778	-1,16384586	ENST00000480824	221477	NM_152734	C6orf89

A_23_P106056	14,2156	14,4345	-1,16384586	ENST00000535847	1603	NM_001344	DAD1
A_33_P3240931	8,86281	9,08172	-1,163853927	ENST00000339020	643155	NM_001048249	SMIM15
A_33_P3335624	10,8835	11,1025	-1,163926534	ENST00000338548	5716	N/A	PSMD10
A_33_P3362046	5,82174	6,04078	-1,163958806	ENST00000618902	N/A	N/A	N/A
A_32_P412313	8,11123	8,33031	-1,163991078	ENST00000450050	140459	NM_017873	ASB6
A_21_P0005121	4,2263	4,44538	-1,163991078	ENST00000420766	N/A	XR_108615	N/A
A_22_P00007393	3,28628	3,50538	-1,164007214	N/A	N/A	N/A	Inc-GRID2IP-1
A_24_P57528	9,75904	9,97823	-1,164079831	ENST00000542342	201266	NM_139177	SLC39A11
A_23_P166929	4,5819	4,80112	-1,164104038	ENST00000472941	5274	NM_005025	SERPINI1
A_33_P3231950	5,64644	5,86568	-1,164120176	N/A	N/A	N/A	N/A
A_33_P3414851	8,62669	8,84595	-1,164136314	ENST00000372247	55182	NM_018150	RNF220
A_33_P3411907	1,67906	1,89849	-1,164273498	ENST00000380628	2250	NM_033143	FGF5
A_33_P3222653	2,16392	2,38338	-1,164297709	ENST00000514902	100131366	NR_033938	LINC00605
A_32_P352697	6,82705	7,04652	-1,164305779	ENST00000615500	91746	NM_001031732	YTHDC1
A_19_P00320193	1,62616	1,84564	-1,16431385	ENST00000506836	102467147	N/A	LOC102467147
A_33_P3216898	4,23883	4,45838	-1,164370344	N/A	286367	NR_024011	LOC286367
A_33_P3401753	2,19761	2,41729	-1,164475269	ENST00000597214	2865	NM_005304	FFAR3
A_23_P130418	14,162	14,3817	-1,164491412	ENST00000318388	4729	NM_021074	NDUFV2
A_23_P342727	6,30085	6,52056	-1,164499484	ENST00000255486	90627	NM_178006	STARD13
A_21_P0009661	1,94794	2,16769	-1,164531771	ENST00000414548	N/A	N/A	N/A
A_23_P49816	3,37691	3,59667	-1,164539843	ENST00000585130	55803	NM_018404	ADAP2
A_22_P00010449	8,99058	9,21034	-1,164539843	ENST00000574592	23059	NM_015041	CLUAP1
A_23_P57868	13,1538	13,3736	-1,164572131	ENST00000404366	95	NM_000666	ACY1
A_23_P2097	8,01813	8,23802	-1,164644783	ENST00000531101	55128	NM_018073	TRIM68
A_23_P391607	11,6535	11,8734	-1,164652856	ENST00000371421	92714	NM_152285	ARRDC1
A_22_P00020273	1,53985	1,75981	-1,164701294	N/A	N/A	N/A	Inc-B4GALNT3-2
A_21_P0010828	1,57654	1,79653	-1,164725513	N/A	N/A	N/A	XL0C_I2_001592
A_33_P3394405	5,0501	5,27011	-1,16474166	N/A	727721	DB238770	LOC727721
A_23_P210015	8,99087	9,21092	-1,164773954	ENST00000175756	26469	NM_014369	PTPN18
A_23_P101131	1,57179	1,79187	-1,164798175	ENST00000529320	2922	NM_002091	GRP
A_24_P298716	1,72205	1,94214	-1,164806249	ENST00000622692	252946	NR_001553	FAM197Y2
A_22_P00012823	5,54285	5,76294	-1,164806249	N/A	728095	NR_109897	LOC728095
A_21_P0010917	1,64979	1,86996	-1,164870841	ENST00000419779	N/A	N/A	N/A

A_24_P56252	10,6034	10,8236	-1,164895064	ENST00000450142	4659	NM_002480	PPP1R12A
A_33_P3294911	3,99604	4,21629	-1,164935437	N/A	144577	NM_001300940	C12orf66
A_33_P3388312	11,448	11,6683	-1,164975811	ENST00000345317	8935	BC036044	SKAP2
A_23_P152284	10,1529	10,3733	-1,165056564	ENST00000466183	79622	NM_024571	SNRNP25
A_21_P0007786	3,86826	4,0887	-1,165088867	ENST00000540684	387895	NR_033878	LINC00944
A_24_P160680	1,65391	1,87439	-1,16512117	ENST00000574799	55036	NM_017950	CCDC40
A_23_P412515	5,01777	5,23827	-1,165137322	ENST00000394604	9069	NM_012129	CLDN12
A_22_P00019501	8,33409	8,55467	-1,165201933	ENST00000507733	N/A	N/A	N/A
A_23_P105619	8,40107	8,62167	-1,165218086	ENST00000552801	89894	NM_138341	TMEM116
A_23_P4592	2,89536	3,11598	-1,16523424	ENST00000425629	946	NM_001245	SIGLEC6
A_23_P65089	14,2049	14,4256	-1,165298856	ENST00000534843	51202	NM_016355	DDX47
A_23_P143474	15,8858	16,1065	-1,165298856	ENST00000429064	539	NM_001697	ATP5O
A_24_P391960	13,9949	14,2156	-1,165298856	ENST00000423841	N/A	N/A	N/A
A_23_P44421	1,34971	1,57042	-1,165306933	ENST00000302495	203100	NM_153692	HTRA4
A_22_P00014169	1,63447	1,8552	-1,165323088	N/A	N/A	N/A	Inc-SCRN3-4
A_33_P3354291	1,64623	1,86699	-1,16534732	N/A	85371	NR_046312	KIAA1656
A_33_P3325634	8,17684	8,39768	-1,165411943	ENST00000378187	100170765	NM_001130514	ERICH4
A_23_P380379	3,45695	3,67779	-1,165411943	ENST00000328705	84698	NM_001286548	CAPS2
A_21_P0010274	1,85966	2,08055	-1,165452333	N/A	N/A	N/A	Inc-LTN1-1
A_21_P0001693	1,67125	1,89219	-1,165492726	N/A	N/A	N/A	Inc-DR1-1
A_33_P3318696	8,75532	8,97628	-1,165508883	ENST00000370485	56267	NM_001008661	CCBL2
A_33_P3300495	8,48653	8,70752	-1,165533119	ENST00000409310	5343	BC022294	PLGLB1
A_23_P12896	9,78697	10,008	-1,165565435	ENST00000327470	2188	NM_022725	FANCF
A_23_P501722	1,38688	1,60795	-1,165597752	ENST00000493924	10077	NM_139022	TSPAN32
A_23_P121499	7,95876	8,17984	-1,165605831	ENST00000503569	7466	NM_006005	WFS1
A_21_P0010276	1,562	1,78311	-1,16563007	N/A	N/A	N/A	Inc-TMEM50B-1
A_21_P0005426	1,5416	1,76271	-1,16563007	N/A	N/A	N/A	Inc-ARF5-5
A_22_P00013974	2,03954	2,26066	-1,165638149	N/A	N/A	N/A	Inc-RTN4-1
A_23_P409516	7,99165	8,21289	-1,165735108	ENST00000394264	116224	NM_138333	FAM122A
A_21_P0014437	6,11123	6,33248	-1,165743189	N/A	N/A	BC033052	N/A
A_24_P260699	2,05224	2,27355	-1,165791671	ENST00000373479	9025	NM_003958	RNF8
A_23_P80954	3,9051	4,12643	-1,165807833	ENST00000398516	10861	NM_022042	SLC26A1
A_21_P0003863	1,52988	1,75125	-1,165840156	N/A	101928439	XR_425808	LOC101928439

A_23_P156049	12,4414	12,6628	-1,1658644	ENST00000504459	3074	NM_000521	HEXB
A_21_P0008527	2,00837	2,22978	-1,165872481	N/A	N/A	N/A	Inc-JPH4-1
A_33_P3369760	6,00337	6,22482	-1,165904806	ENST00000377959	152007	NM_001287011	GLIPR2
A_22_P00009060	3,19712	3,41863	-1,165953296	N/A	N/A	CN315368	Inc-LENG9-2
A_22_P00022253	9,73091	9,95244	-1,165969459	N/A	N/A	N/A	Inc-FAM160A1-1
A_22_P00018055	1,65906	1,8806	-1,165977541	N/A	N/A	N/A	Inc-ZNF286A-4
A_33_P3867584	3,28886	3,5105	-1,166058363	ENST00000434296	285758	NR_038863	LINC01268
A_22_P00024003	1,52436	1,74601	-1,166066446	ENST00000496220	401103	NR_040105	FLJ46066
A_23_P214300	4,22558	4,44724	-1,166074529	ENST00000493331	2939	NM_000846	GSTA2
A_33_P3240652	1,6211	1,84288	-1,166171524	N/A	N/A	N/A	N/A
A_21_P0007973	1,50343	1,72522	-1,166179607	ENST00000444605	N/A	N/A	N/A
A_23_P422851	9,28583	9,50768	-1,166228108	ENST00000420687	91768	NM_138375	CABLES1
A_33_P3422479	6,08002	6,30187	-1,166228108	ENST00000326434	78987	NM_001031717	CRELD1
A_21_P0006966	1,42836	1,65022	-1,166236192	ENST00000602311	101928322	NR_120637	LOC101928322
A_23_P207020	13,7599	13,9818	-1,166268527	ENST00000576517	56270	NM_019613	WDR45B
A_21_P0010284	1,69124	1,91316	-1,166284695	N/A	N/A	N/A	Inc-PSMG1-3
A_33_P3315169	1,54787	1,76985	-1,166333201	N/A	N/A	N/A	N/A
A_24_P370420	9,43004	9,65208	-1,166381708	ENST00000618102	81554	NM_030798	WBSCR16
A_33_P3322103	4,63356	4,85561	-1,166389793	N/A	N/A	N/A	N/A
A_32_P210252	15,0632	15,2853	-1,166430218	ENST00000234875	6146	NM_000983	RPL22
A_24_P194931	9,00415	9,22625	-1,166430218	ENST00000616407	57223	NM_020463	SMEK2
A_22_P00017291	1,4823	1,70441	-1,166438303	N/A	N/A	N/A	Inc-USP13-1
A_33_P3243364	5,45461	5,67676	-1,166470644	ENST00000311895	2072	NM_005236	ERCC4
A_23_P397899	9,32925	9,55142	-1,166486815	ENST00000374242	58493	NM_021218	INIP
A_33_P3351615	13,5927	13,8149	-1,166511071	ENST00000492051	N/A	N/A	N/A
A_23_P137209	11,9141	12,1364	-1,166591931	ENST00000377269	7317	NM_003334	UBA1
A_24_P109644	5,21808	5,44043	-1,166632362	ENST00000542775	N/A	AF229166	N/A
A_33_P3403927	10,5165	10,7389	-1,166672795	ENST00000369886	140700	NM_080621	SAMD10
A_22_P00006752	4,2691	4,49153	-1,166697056	ENST00000560743	101928245	XR_243144	LOC101928245
A_23_P111604	1,72698	1,94948	-1,166753666	ENST00000602349	30010	NM_152745	NXPH1
A_23_P157715	13,0718	13,2943	-1,166753666	ENST00000526183	84988	NM_032902	PPP1R16A
A_21_P0005746	1,63816	1,86072	-1,166802191	N/A	N/A	N/A	Inc-GRHL2-2
A_33_P3284873	2,05325	2,27581	-1,166802191	N/A	N/A	N/A	N/A

A_23_P66311	5,81109	6,03368	-1,166826454	ENST00000573804	1773	NM_005223	DNASE1
A_22_P00018246	1,60868	1,83135	-1,166891158	ENST00000519793	N/A	DA442494	N/A
A_22_P00008177	3,6639	3,88682	-1,167093383	N/A	N/A	N/A	Inc-INPPL1-1
A_33_P3292635	1,39949	1,62244	-1,167117652	N/A	N/A	N/A	Inc-TIGIT-2
A_33_P3254306	4,73026	4,95322	-1,167125742	ENST00000389168	201163	AK126951	FLCN
A_23_P55802	9,06525	9,28822	-1,167133832	ENST00000444449	8907	NM_032493	AP1M1
A_22_P00004084	1,6483	1,87127	-1,167133832	N/A	102723704	NR_125932	LOC102723704
A_24_P247106	9,26519	9,48819	-1,167158102	ENST00000359883	50808	NM_016282	AK3
A_33_P3215788	7,36088	7,58388	-1,167158102	ENST00000461153	375248	NM_001164315	ANKRD36
A_22_P00004863	1,69866	1,9217	-1,167190463	ENST00000522744	101929528	NR_105005	LOC101929528
A_21_P0011179	1,42651	1,64959	-1,167222825	ENST00000577004	N/A	N/A	N/A
A_23_P71644	11,9152	12,1383	-1,167239006	ENST00000476212	2189	NM_004629	FANCG
A_23_P250054	8,7417	8,96482	-1,167255187	ENST00000497099	63891	NM_022064	RNF123
A_23_P301336	6,33979	6,56293	-1,167271369	ENST00000613938	27291	NM_014472	R3HCC1L
A_33_P3378777	1,59724	1,82042	-1,167303733	ENST00000538190	100132464	NR_026642	FAM99B
A_22_P00016965	2,85833	3,08151	-1,167303733	N/A	N/A	N/A	Inc-TSSK3-1
A_21_P0007526	1,67336	1,89659	-1,167344189	N/A	N/A	N/A	Inc-PDE6H-2
A_21_P0008919	10,2116	10,435	-1,167481752	N/A	N/A	N/A	Inc-IL4R-1
A_33_P3280575	5,78759	6,011	-1,167489844	N/A	N/A	CU691877	N/A
A_22_P00009691	1,38335	1,60679	-1,167514122	ENST00000445568	N/A	N/A	N/A
A_23_P384517	10,9688	11,1924	-1,16764361	ENST00000345003	2992	NM_004130	GYG1
A_33_P3337574	1,55888	1,7825	-1,167659797	N/A	283480	NR_036486	FGF14-IT1
A_24_P228130	2,34874	2,5724	-1,167692172	ENST00000621940	414062	NM_001001437	CCL3L3
A_21_P0002936	3,45647	3,68013	-1,167692172	N/A	N/A	N/A	Inc-KAT2B-2
A_24_P131173	4,82916	5,05285	-1,167716454	ENST00000294889	79762	NM_024709	C1orf115
A_23_P108303	13,6524	13,8761	-1,167724548	ENST00000601258	4701	NM_005001	NDUFA7
A_33_P3305117	11,2453	11,469	-1,167724548	N/A	N/A	AK092835	N/A
A_23_P354798	7,99882	8,22259	-1,167781208	ENST00000308197	93058	NM_144576	COQ10A
A_22_P00014646	1,95036	2,17415	-1,167797397	ENST00000437857	57821	NM_001300968	CCDC181
A_23_P37910	9,11342	9,33721	-1,167797397	ENST00000395202	5595	NM_002746	MAPK3
A_23_P312718	10,7975	11,0213	-1,167805491	ENST00000257694	50640	NM_015723	PNPLA8
A_33_P3456341	8,96222	9,18606	-1,16783787	ENST00000616828	113251	NM_001170804	LARP4
A_23_P124837	9,88246	10,1063	-1,16783787	ENST00000556356	4035	NM_002332	LRP1

A_19_P00806320	11,2253	11,4492	-1,16788644	ENST00000315717	10109	NM_152862	ARPC2
A_24_P157342	11,5434	11,7673	-1,16788644	ENST00000530758	55845	NM_018462	BRK1
A_33_P3281807	7,22413	7,44809	-1,167935012	ENST00000397472	347862	NM_182612	PDDC1
A_23_P205293	5,13368	5,35768	-1,167967395	ENST00000409242	55218	NM_018199	EXD2
A_23_P142688	9,22987	9,45388	-1,16797549	ENST00000273048	79137	NM_024293	FAM134A
A_22_P00012740	3,96349	4,18754	-1,168007874	N/A	N/A	N/A	Inc-RABEP2-4
A_23_P149221	8,01473	8,23882	-1,168040258	ENST00000372172	79654	NM_024602	HECTD3
A_22_P00023463	3,71822	3,94231	-1,168040258	N/A	N/A	N/A	Inc-SEN5-1
A_33_P3226070	5,11247	5,33663	-1,168096934	N/A	N/A	XM_006713937	Inc-CRIPAK-1
A_22_P00011970	3,46695	3,69115	-1,16812932	N/A	N/A	AA335815	Inc-PLA2G2C-2
A_23_P19576	15,0953	15,3195	-1,16812932	ENST00000367569	83443	NM_031287	SF3B5
A_22_P00007903	3,19306	3,41727	-1,168137417	ENST00000553729	100302145	AF469208	MIR1247
A_33_P3296592	8,25747	8,48177	-1,168210292	ENST00000334736	56946	NM_001300942	C11orf30
A_33_P3305458	7,32662	7,55092	-1,168210292	ENST00000375201	1388	NM_004381	ATF6B
A_33_P3273969	10,596	10,8203	-1,168210292	ENST00000367214	9877	NM_014827	ZC3H11A
A_33_P3351982	10,3311	10,5554	-1,168210292	ENST00000480666	493753	NM_001008215	COA5
A_23_P39185	8,19416	8,41847	-1,168218389	ENST00000592573	112724	NM_138412	RDH13
A_21_P0011602	6,08464	6,30901	-1,168266975	ENST00000582394	84669	NM_032582	USP32
A_22_P00007835	1,35565	1,58004	-1,168283171	N/A	101927942	XR_249525	LOC101927942
A_22_P00006603	3,87064	4,09505	-1,168299367	ENST00000558575	731223	NR_038421	LINC01220
A_21_P0014732	3,74125	3,96569	-1,168323661	ENST00000422968	N/A	XR_250281	N/A
A_23_P48307	12,3121	12,5366	-1,168372251	ENST00000281589	5042	NM_030979	PABPC3
A_33_P3224426	3,97305	4,19758	-1,168396547	ENST00000513405	N/A	N/A	N/A
A_23_P81262	2,1966	2,42118	-1,168437042	ENST00000194152	56131	NM_018938	PCDHB4
A_33_P3411204	5,13729	5,36188	-1,168445141	ENST00000495262	2651	NM_001491	GCNT2
A_24_P379512	7,56834	7,79304	-1,168534233	ENST00000370812	10026	NM_005482	PIGK
A_23_P66798	18,7258	18,9505	-1,168534233	ENST00000361566	3880	NM_002276	KRT19
A_22_P00018775	1,77577	2,00052	-1,168574732	ENST00000435552	N/A	N/A	N/A
A_21_P0011914	2,60371	2,82847	-1,168582832	N/A	N/A	N/A	XLOC_I2_008009
A_23_P59654	2,8031	3,02787	-1,168590932	ENST00000222674	64111	NM_022150	NPVF
A_23_P155969	8,10379	8,32859	-1,168615233	ENST00000510192	10733	NM_014264	PLK4
A_22_P00011178	1,54861	1,77342	-1,168623333	ENST00000526840	101928944	NR_120570	LOC101928944
A_23_P502609	9,52033	9,74518	-1,168655735	ENST00000480424	9091	NM_004204	PIGQ



A_33_P3412160	7,92943	8,15429	-1,168663835	ENST00000482889	23155	NM_001048210	CLCC1
A_23_P50146	7,25888	7,48374	-1,168663835	ENST00000389474	284266	NM_213602	SIGLEC15
A_32_P109572	10,7533	10,9782	-1,168696238	ENST00000600873	3191	NM_001533	HNRNPL
A_33_P3367855	13,7638	13,9887	-1,168696238	ENST00000222254	5296	NM_005027	PIK3R2
A_33_P3636590	10,1359	10,3608	-1,168696238	ENST00000307227	8801	NM_003848	SUCLG2
A_24_P926367	12,827	13,052	-1,168777249	ENST00000354618	9967	NM_005119	THRAP3
A_22_P00004828	1,45483	1,67983	-1,168777249	N/A	N/A	N/A	Inc-CYB561-2
A_23_P44857	1,60299	1,82805	-1,168825858	ENST00000390455	N/A	BC070329	N/A
A_23_P259272	12,485	12,7101	-1,168858265	ENST00000315436	55884	NM_018639	WSB2
A_21_P0014651	6,18676	6,41188	-1,168874469	N/A	100129203	NR_110295	LOC100129203
A_23_P147495	8,66872	8,89406	-1,169052727	ENST00000218147	63035	NM_021946	BCORL1
A_19_P00322850	1,51662	1,74202	-1,169101347	ENST00000511661	102467147	NR_104664	LOC102467147
A_24_P419120	11,2148	11,4402	-1,169101347	ENST00000356884	23299	NM_015250	BICD2
A_33_P3275722	6,24916	6,47457	-1,169109451	ENST00000383415	58530	NM_021246	LY6G6D
A_33_P3425296	2,18085	2,40632	-1,169158074	ENST00000284414	387646	NR_003525	LRRC37A6P
A_21_P0003289	9,6685	9,89405	-1,169222908	N/A	N/A	N/A	Inc-MINA-3
A_21_P0000227	7,8829	8,10848	-1,169247221	ENST00000599167	84546	NR_001285	SNORD35B
A_24_P62615	12,5137	12,7393	-1,16926343	ENST00000372792	10487	NM_006367	CAP1
A_22_P00018620	2,33299	2,55867	-1,16932827	ENST00000430387	N/A	N/A	N/A
A_22_P00006112	8,76121	8,98695	-1,169376902	N/A	441094	NR_109825	NR2F1-AS1
A_23_P157914	3,96593	4,19172	-1,16941743	ENST00000377182	256691	NM_153267	MAMDC2
A_22_P00002313	2,06626	2,29208	-1,169441748	N/A	101929653	NR_110140	LOC101929653
A_33_P3355783	7,87743	8,10332	-1,169498491	N/A	100129473	XR_247231	LOC100129473
A_23_P144531	15,1704	15,3963	-1,169506597	N/A	80216	AK026323	ALPK1
A_23_P150009	10,6922	10,9181	-1,169506597	ENST00000487315	84287	NM_198046	ZDHHC16
A_23_P16225	5,57391	5,79982	-1,169514704	ENST00000549706	54831	NM_017682	BEST2
A_22_P00003844	5,78637	6,01234	-1,169563343	ENST00000427333	101927541	NR_109943	LINC01273
A_33_P3385765	11,6991	11,9251	-1,169587664	ENST00000343949	284390	NM_001012753	ZNF763
A_21_P0013250	8,25388	8,47991	-1,169611985	N/A	N/A	N/A	XL0C_I2_013485
A_33_P7289027	9,38045	9,60649	-1,169620092	N/A	401320	NR_038889	LOC401320
A_33_P3290328	8,52682	8,75291	-1,169660629	ENST00000292782	54165	NM_020640	DCUN1D1
A_21_P0007360	4,31222	4,53832	-1,169668737	N/A	N/A	N/A	Inc-RCOR2-1
A_33_P3249529	10,4971	10,7232	-1,169668737	ENST00000304743	22990	NM_014982	PCNX

A_22_P00017039	6,15882	6,38495	-1,169693059	ENST00000605506	N/A	N/A	N/A
A_22_P00010809	3,22067	3,44686	-1,169741707	N/A	N/A	N/A	Inc-NMNAT1-1
A_23_P33847	1,53269	1,75888	-1,169741707	ENST00000340666	6853	NM_006950	SYN1
A_33_P3752697	12,6622	12,8884	-1,169749815	N/A	N/A	AK098235	N/A
A_19_P00804777	10,84	11,0663	-1,169830898	ENST00000586954	148189	N/A	LINC00662
A_32_P91902	10,751	10,9773	-1,169830898	ENST00000372164	81619	NM_030927	TSPAN14
A_24_P210637	6,40169	6,62809	-1,169911988	ENST00000306243	113189	NM_130468	CHST14
A_21_P0006329	2,58318	2,80959	-1,169920097	N/A	N/A	N/A	Inc-C9orf50-1
A_33_P3399291	12,9818	13,2083	-1,169993082	ENST00000493209	2987	NM_001242840	GUK1
A_23_P63660	14,4302	14,6568	-1,170074183	ENST00000615554	84293	NM_032333	FAM213A
A_23_P135690	18,6648	18,8914	-1,170074183	ENST00000589138	54862	AK023399	CC2D1A
A_24_P82466	1,8154	2,04204	-1,170106625	ENST00000437099	8522	NM_201433	GAS7
A_22_P00024714	3,11848	3,34512	-1,170106625	N/A	N/A	N/A	Inc-MYL4-2
A_23_P163697	8,27361	8,50028	-1,170130957	ENST00000355377	51760	NM_016524	SYT17
A_22_P00018680	10,5497	10,7766	-1,170317518	ENST00000437967	N/A	N/A	N/A
A_21_P0000600	5,78159	6,00849	-1,170317518	ENST00000476548	11020	NR_033531	IFT27
A_21_P0013780	4,20141	4,42836	-1,170358079	N/A	100131755	NR_028407	ARMCX4
A_19_P00809902	9,58132	9,8083	-1,170382416	N/A	100506380	N/A	LINC01006
A_23_P14340	10,2741	10,5011	-1,170398641	ENST00000603544	9692	NM_014672	KIAA0391
A_21_P0010044	9,85106	10,0781	-1,170431092	N/A	N/A	N/A	Inc-PLTP-1
A_23_P379630	8,62259	8,84963	-1,170431092	ENST00000288439	124565	NM_138570	SLC38A10
A_33_P3211679	7,12615	7,35329	-1,170512223	ENST00000261177	441631	NM_001080509	TSPAN11
A_21_P0010269	3,24119	3,46835	-1,17052845	N/A	N/A	N/A	Inc-AF165138.7.1-3
A_21_P0005884	1,46718	1,69437	-1,170552791	N/A	101927413	XR_242419	LOC101927413
A_23_P21560	5,50805	5,73544	-1,170715075	ENST00000406434	81553	NM_030797	FAM49A
A_32_P94087	15,7083	15,9357	-1,17072319	ENST00000491826	402176	NR_027153	RPL21P44
A_22_P00002553	13,9183	14,1458	-1,170804341	ENST00000580828	677842	CD050382	SNORA76C
A_33_P3228762	12,5946	12,8221	-1,170804341	ENST00000324194	55186	NM_001104647	SLC25A36
A_24_P20200	9,52992	9,75743	-1,170812456	ENST00000404460	55041	NM_001267066	PLEKHB2
A_21_P0013056	5,41913	5,6467	-1,17086115	N/A	N/A	N/A	XLOC_I2_012847
A_33_P3297626	3,58961	3,81723	-1,17090173	ENST00000356068	N/A	N/A	N/A
A_21_P0010684	7,35114	7,57876	-1,17090173	ENST00000457084	N/A	N/A	N/A
A_22_P00013842	1,41228	1,63992	-1,170917962	ENST00000519755	N/A	N/A	N/A

A_24_P137582	8,52757	8,75532	-1,171007244	ENST00000427854	84340	NM_170681	GFM2
A_21_P0011667	2,29903	2,52678	-1,171007244	ENST00000576789	23370	XM_005272464	ARHGEF18
A_33_P3304576	3,68304	3,9108	-1,17101536	ENST00000399676	439915	NM_001001480	KRTAP5-5
A_22_P00012938	4,89183	5,1196	-1,171023477	N/A	N/A	N/A	Inc-RCSD1-1
A_23_P147383	9,82381	10,0516	-1,171039711	ENST00000527144	8733	NM_003801	GPAA1
A_33_P3383331	6,30021	6,52804	-1,17107218	ENST00000370156	23443	NM_012243	SLC35A3
A_23_P99452	5,88834	6,11621	-1,171104649	ENST00000544455	675	NM_000059	BRCA2
A_33_P3254412	5,78328	6,01126	-1,171193945	ENST00000361658	9706	NM_014683	ULK2
A_23_P126623	11,739	11,967	-1,171210181	ENST00000498356	5226	NM_002631	PGD
A_33_P3377705	1,66162	1,88963	-1,171218299	ENST00000246222	N/A	N/A	N/A
A_23_P363831	7,7166	7,94466	-1,171258891	ENST00000532927	26273	NM_033406	FBXO3
A_33_P3259917	3,07371	3,30178	-1,17126701	ENST00000340880	114770	NM_052890	PGLYRP2
A_24_P303145	7,34423	7,57235	-1,171307604	ENST00000284268	56172	NM_054027	ANKH
A_22_P00009864	8,64939	8,87758	-1,171364437	ENST00000584867	N/A	BU568811	N/A
A_33_P3286349	6,51146	6,73968	-1,171388795	ENST00000587789	352909	NM_001256716	DNAAF3
A_21_P0006925	4,32148	4,54976	-1,171437513	N/A	N/A	N/A	Inc-SEC23IP-1
A_22_P00010968	4,71254	4,94082	-1,171437513	ENST00000412426	N/A	N/A	N/A
A_22_P00018663	1,3561	1,58443	-1,171478113	N/A	N/A	N/A	Inc-PPFIA2-1
A_22_P00020149	3,42805	3,65639	-1,171486233	ENST00000447384	N/A	BC040729	N/A
A_24_P919899	5,38945	5,61782	-1,171510594	ENST00000576409	64756	AF111705	ATPAF1
A_24_P29733	8,87202	9,10043	-1,171543075	ENST00000265741	5218	NM_012395	CDK14
A_33_P3328772	5,29051	5,51893	-1,171551196	N/A	54477	NM_001190860	PLEKHA5
A_22_P00002419	1,55443	1,7829	-1,171591799	ENST00000548775	102724917	CF593422	LOC102724917
A_24_P173325	16,3942	16,6228	-1,171697375	ENST00000598780	7311	NM_001033930	UBA52
A_33_P3335710	1,54091	1,76951	-1,171697375	N/A	727775	AK092129	LOC727775
A_23_P259874	10,8032	11,0318	-1,171697375	ENST00000309934	26984	NM_012430	SEC22A
A_21_P0010158	3,12701	3,35562	-1,171705497	ENST00000424837	102724502	XR_425265	LOC102724502
A_23_P28375	7,5941	7,82278	-1,17176235	ENST00000282570	64395	NM_178439	GMCL1
A_23_P211136	7,68779	7,91648	-1,171770472	ENST00000333229	54014	NM_018963	BRWD1
A_22_P00016387	3,29777	3,52652	-1,171819205	ENST00000444963	N/A	N/A	N/A
A_23_P250485	4,62667	4,85543	-1,171827328	ENST00000291416	55223	NM_018207	TRIM62
A_33_P3245631	4,26468	4,49352	-1,171892309	ENST00000524442	22996	NM_001297662	TTC39A
A_24_P89426	6,65786	6,88681	-1,171981665	ENST00000375916	55937	NM_019101	APOM

A_33_P3378354	4,10355	4,33254	-1,17201416	ENST00000389600	2974	N/A	GUCY1B2
A_33_P3344209	1,59561	1,8246	-1,17201416	ENST00000382776	79844	NM_024786	ZDHC11
A_23_P320185	14,0473	14,2763	-1,172022284	ENST00000593233	126328	NM_175614	NDUFA11
A_33_P3232493	6,59161	6,82062	-1,172030408	N/A	N/A	AK130794	N/A
A_23_P122001	9,57554	9,80461	-1,172079152	ENST00000265081	4437	NM_002439	MSH3
A_21_P0005208	4,61919	4,84827	-1,172087276	ENST00000436915	N/A	N/A	N/A
A_23_P60283	9,52897	9,75807	-1,172103525	ENST00000485042	7507	NM_000380	XPA
A_22_P00005598	4,76091	4,99005	-1,172136023	ENST00000520146	N/A	DA009597	N/A
A_33_P3391418	8,67623	8,90541	-1,172168522	ENST00000264728	55287	NM_001284407	TMEM40
A_24_P118591	16,0782	16,3074	-1,172184772	ENST00000404609	N/A	N/A	N/A
A_23_P206856	10,6969	10,9261	-1,172184772	ENST00000262144	79726	NM_030581	WDR59
A_21_P0012320	5,72295	5,95219	-1,172217272	ENST00000454268	101929374	TCONS_I2_00018192	LOC101929374
A_21_P0010978	7,51399	7,74327	-1,172249773	ENST00000501122	N/A	N/A	N/A
A_33_P3351914	13,3098	13,5391	-1,172266024	ENST00000485344	4705	NM_004544	NDUFA10
A_23_P13899	16,7993	17,0286	-1,172266024	ENST00000474249	2597	NM_002046	GAPDH
A_22_P00013508	2,90339	3,13274	-1,172306653	N/A	102725057	XR_424658	LOC102725057
A_23_P153256	9,24333	9,47277	-1,172379787	ENST00000598770	374928	XM_005258879	ZNF773
A_24_P126471	7,36571	7,5952	-1,172420419	ENST00000415287	56996	NM_020246	SLC12A9
A_22_P00016610	1,68659	1,9161	-1,172436673	ENST00000549744	N/A	N/A	N/A
A_33_P3333045	4,16164	4,39119	-1,17246918	ENST00000467600	11159	BC040495	RABL2A
A_23_P12816	8,87758	9,10714	-1,172477307	ENST00000394036	3070	NM_018063	HELLS
A_22_P00013906	5,98906	6,21862	-1,172477307	ENST00000415959	414243	NR_073447	LINC00595
A_21_P0009096	2,96033	3,18992	-1,172501688	N/A	N/A	N/A	Inc-CTD-3203P2.2.1-1
A_24_P318134	5,74486	5,97446	-1,172509815	ENST00000257940	84872	NM_032786	ZC3H10
A_22_P00005417	2,56781	2,79741	-1,172509815	ENST00000431557	N/A	AF052121	N/A
A_22_P00018172	5,32282	5,55248	-1,17255858	ENST00000609714	255403	NM_001289930	ZNF718
A_23_P133904	1,62492	1,85459	-1,172566707	ENST00000376191	401250	NM_001011700	MCCD1
A_33_P3260575	8,93751	9,16725	-1,172623602	ENST00000372842	51148	NM_016174	CERCAM
A_23_P106602	1,8811	2,11101	-1,172761786	ENST00000262424	83716	NM_031476	CRISPLD2
A_21_P0001622	1,99552	2,22544	-1,172769915	N/A	N/A	N/A	Inc-ANGEL2-1
A_33_P3256303	3,26376	3,49368	-1,172769915	ENST00000388962	6404	NM_001206609	SELPLG
A_23_P102611	3,414	3,64393	-1,172778044	ENST00000372868	8839	NM_003881	WISP2
A_21_P0001267	3,20882	3,43882	-1,172834949	ENST00000475078	26099	N/A	SZRD1

A_23_P215534	5,05972	5,28973	-1,172843079	ENST00000307403	155435	NM_053043	RBM33
A_33_P3272117	9,34391	9,57392	-1,172843079	ENST00000583503	79058	NM_024083	ASPSCR1
A_23_P367676	10,823	11,0532	-1,17299755	ENST00000394949	25942	NM_015477	SIN3A
A_24_P306136	7,04018	7,27039	-1,173005681	ENST00000251879	57589	NM_001135920	RIC1
A_24_P153701	1,57958	1,80979	-1,173005681	ENST00000542632	646982	NR_024505	LINC00598
A_23_P50508	4,22412	4,45436	-1,173030073	ENST00000594790	8605	NM_003706	PLA2G4C
A_21_P0008221	1,73138	1,96166	-1,173062597	N/A	N/A	N/A	Inc-TUBGCP3-5
A_23_P70571	11,0955	11,3259	-1,173160173	ENST00000612440	7922	NM_006979	SLC39A7
A_22_P00013251	2,40318	2,63362	-1,173192701	N/A	N/A	DB475605	Inc-ROPN1B-2
A_33_P3376976	1,53988	1,77035	-1,173217097	N/A	646813	AB231713	LOC646813
A_23_P36611	5,37116	5,60168	-1,173257758	ENST00000357310	317	NM_181861	APAF1
A_22_P00003121	4,41391	4,64444	-1,17326589	ENST00000452377	N/A	N/A	N/A
A_24_P321752	7,60478	7,83533	-1,173282155	ENST00000298832	23093	NM_015072	TTL5
A_23_P416314	12,5366	12,7673	-1,17340415	ENST00000536887	117245	NM_054108	HRASLS5
A_23_P14886	12,8189	13,0496	-1,17340415	ENST00000527168	84572	NM_032520	GNPTG
A_22_P00002045	6,35999	6,59072	-1,173428551	ENST00000614488	9522	NM_004866	SCAMP1
A_33_P3326530	5,28393	5,51469	-1,173452952	ENST00000545287	55288	NM_001033567	RHOT1
A_23_P214474	13,3172	13,548	-1,173485487	ENST00000487182	100188893	NM_001134493	TOMM6
A_21_P0012503	1,64451	1,87532	-1,173493621	ENST00000469812	N/A	N/A	N/A
A_33_P3231047	1,65329	1,8841	-1,173493621	ENST00000324364	79635	NM_001142683	CCDC121
A_33_P3282213	1,51342	1,74431	-1,173558695	N/A	N/A	N/A	N/A
A_23_P105794	7,12552	7,35644	-1,173583099	ENST00000476830	94240	NM_033255	EPSTI1
A_21_P0006169	3,25742	3,48836	-1,173599369	ENST00000415801	100506834	NR_049794	LOC100506834
A_23_P2683	9,98883	10,2198	-1,173623773	ENST00000380650	79657	NM_024604	RPAP3
A_21_P0000108	12,4472	12,6782	-1,173648178	ENST00000536684	100463486	NM_001190702	MTRNR2L8
A_24_P15292	7,47127	7,70228	-1,173656313	ENST00000469904	83932	NM_032018	SPRTN
A_33_P3298024	10,6738	10,9049	-1,173729532	ENST00000427699	8714	NM_001144070	ABCC3
A_23_P398770	8,7353	8,96641	-1,173737668	ENST00000307063	114825	NM_001130864	PWWP2A
A_22_P00017556	1,52424	1,75535	-1,173737668	N/A	N/A	N/A	Inc-WDR45L-2
A_33_P3406899	11,5238	11,755	-1,173810892	ENST00000613405	22906	NM_001265608	TRAK1
A_22_P00006493	1,43004	1,66128	-1,173843437	N/A	N/A	N/A	Inc-FGF23-1
A_33_P3352687	12,8957	13,127	-1,173892257	ENST00000622077	100133161	NR_028326	LINC01001
A_33_P3337627	9,66348	9,89482	-1,173924805	ENST00000344327	7225	NM_004621	TRPC6

A_23_P68628	9,63328	9,86463	-1,173932942	ENST00000485399	63941	NM_031232	NECAB3
A_23_P164313	7,97824	8,20978	-1,174087556	ENST00000453408	50488	NM_153827	MINK1
A_33_P3390713	1,47043	1,70197	-1,174087556	N/A	N/A	N/A	N/A
A_23_P385246	8,85293	9,08453	-1,174136386	ENST00000490264	200845	NM_153331	KCTD6
A_23_P139028	3,76596	3,99758	-1,174152663	ENST00000260264	25833	NM_014352	POU2F3
A_24_P323815	10,7017	10,9334	-1,174217774	ENST00000482517	23077	NM_015057	MYCBP2
A_22_P00015420	3,25968	3,49139	-1,174225913	ENST00000581153	N/A	N/A	N/A
A_21_P0008403	9,20808	9,43983	-1,17425847	N/A	N/A	N/A	Inc-C14orf79-2
A_33_P3241596	13,2263	13,4581	-1,174299167	N/A	N/A	N/A	N/A
A_23_P35684	8,34102	8,57284	-1,174315447	ENST00000361976	22876	NM_014937	INPP5F
A_22_P00001889	1,65082	1,88265	-1,174323587	ENST00000416845	N/A	N/A	N/A
A_33_P3402056	6,15465	6,38648	-1,174323587	ENST00000619252	389831	NM_001242480	LOC389831
A_33_P3420083	1,46219	1,69406	-1,174356146	N/A	85452	AK094642	CFAP74
A_33_P3216442	5,80113	6,03302	-1,174372426	ENST00000433947	1302	NM_080680	COL11A2
A_22_P00007158	1,58501	1,8169	-1,174372426	N/A	N/A	N/A	Inc-GNB1L-1
A_21_P0013932	8,74893	8,98084	-1,174388707	ENST00000603395	N/A	N/A	N/A
A_33_P3221234	3,94352	4,17548	-1,174429409	ENST00000359942	3652	NM_001145349	IPP
A_23_P131801	2,59666	2,82868	-1,174478253	ENST00000373077	10110	NM_170693	SGK2
A_22_P00015473	1,71576	1,94778	-1,174478253	ENST00000551174	101929084	NR_110103	LOC101929084
A_32_P135517	2,87326	3,1053	-1,174494535	N/A	N/A	AK123826	Inc-CHST4-3
A_33_P6559885	4,92852	5,1606	-1,174527099	ENST00000478086	9849	NM_001278524	ZNF518A
A_33_P3377364	15,3575	15,5896	-1,174543382	ENST00000450894	3691	NM_000213	ITGB4
A_21_P0000059	1,56965	1,8018	-1,174584089	ENST00000421988	164668	NM_001166004	APOBEC3H
A_24_P381555	8,06386	8,29607	-1,174632939	ENST00000621421	10284	NM_005870	SAP18
A_22_P00018539	8,27505	8,50731	-1,17467365	N/A	101928085	NR_121674	ERICH6-AS1
A_33_P3362952	6,84035	7,07268	-1,174730647	N/A	N/A	AK125981	Inc-TBC1D29-1
A_21_P0006345	3,96087	4,19321	-1,174738789	N/A	N/A	N/A	Inc-TMEM215-1
A_19_P00812944	3,32644	3,55881	-1,174763218	N/A	N/A	N/A	XLOC_I2_001408
A_33_P3231382	1,63994	1,87237	-1,174812076	ENST00000313865	N/A	AF452715	N/A
A_21_P0006375	2,19382	2,42627	-1,174828362	ENST00000409414	375791	NM_199001	CYSRT1
A_21_P0014716	10,5893	10,8219	-1,174950518	ENST00000438796	N/A	AK055819	N/A
A_22_P00010721	1,56603	1,79869	-1,174999384	N/A	N/A	BX115293	Inc-NHLH2-2
A_33_P3422595	1,51789	1,75056	-1,175007528	ENST00000390343	N/A	AK291611	N/A

A_21_P0008832	2,43742	2,67013	-1,175040107	ENST00000562031	101929221	NR_120352	C15orf59-AS1
A_21_P0007725	1,56205	1,79479	-1,175064541	N/A	N/A	N/A	Inc-KCNC2-2
A_22_P00009577	8,97063	9,20339	-1,175080831	ENST00000564248	N/A	AJ420543	N/A
A_22_P00007555	1,70423	1,93708	-1,175154139	N/A	N/A	N/A	Inc-HAS2-1
A_21_P0010215	4,73179	4,96465	-1,175162284	ENST00000424921	101928576	XR_244329	LOC101928576
A_24_P105391	7,13839	7,37126	-1,17517043	ENST00000372517	114625	NM_001017922	ERMAP
A_33_P3378835	14,1959	14,4288	-1,175194867	ENST00000262613	9368	NM_004252	SLC9A3R1
A_21_P0007016	1,61863	1,85159	-1,175243743	N/A	N/A	N/A	Inc-SORCS1-1
A_33_P6818718	6,24671	6,47967	-1,175243743	N/A	100507034	NR_038284	PITRM1-AS1
A_24_P128163	1,50733	1,74033	-1,175276328	ENST00000367995	9507	BC030812	ADAMTS4
A_19_P00806486	1,74431	1,97731	-1,175276328	N/A	N/A	N/A	XLOC_I2_009140
A_23_P160992	5,37777	5,6108	-1,175300768	ENST00000367749	2329	NM_002022	FMO4
A_19_P00806593	4,21894	4,452	-1,175325208	N/A	N/A	N/A	Inc-MAPK13-1
A_23_P156531	14,7138	14,9469	-1,175357795	ENST00000462957	5689	NM_002793	PSMB1
A_24_P331373	4,76958	5,0027	-1,175374089	ENST00000493099	83606	NM_031444	GUCD1
A_22_P00019337	3,86928	4,10242	-1,175390383	N/A	N/A	N/A	Inc-UNC5CL-3
A_33_P3311994	1,46073	1,69391	-1,175422973	ENST00000309447	57495	NM_001144990	NWD2
A_33_P3317123	13,4122	13,6454	-1,175439268	ENST00000465076	9632	NM_004922	SEC24C
A_23_P56314	15,927	16,1602	-1,175439268	ENST00000593029	10975	NM_006830	UQCR11
A_23_P213085	6,72796	6,96128	-1,175537042	ENST00000432059	84068	NM_001300842	SLC10A7
A_33_P3293346	7,06411	7,29744	-1,17554519	ENST00000452413	51133	NM_016121	KCTD3
A_22_P00007755	1,53201	1,7654	-1,175594081	N/A	402779	NR_038372	CSMD2-AS1
A_33_P3384477	1,73174	1,96515	-1,175610378	N/A	N/A	AK126351	Inc-CCDC148-1
A_22_P00018387	2,95483	3,18827	-1,175634824	N/A	100289509	NR_045118	KCNIP2-AS1
A_32_P125832	6,27897	6,51242	-1,175642973	ENST00000583490	100128893	NR_102763	GATA6-AS1
A_22_P00003310	1,51077	1,74423	-1,175651122	N/A	100505696	NR_046084	SH3BP5-AS1
A_23_P43326	11,9835	12,217	-1,175683719	N/A	10558	NM_006415	SPTLC1
A_33_P3294886	1,73278	1,96634	-1,175732615	ENST00000463641	6293	N/A	VPS52
A_23_P37410	1,46827	1,70187	-1,175765214	ENST00000260433	1588	NM_031226	CYP19A1
A_22_P00000004	4,61713	4,85073	-1,175765214	N/A	N/A	AK023948	Inc-WISP1-1
A_33_P3297030	7,25754	7,49116	-1,175781513	ENST00000570359	55275	AK128440	VPS53
A_33_P3299696	1,52942	1,76313	-1,175854865	ENST00000445385	389762	NM_207416	SPATA31D3
A_32_P20523	10,2808	10,5146	-1,175928221	ENST00000317005	166815	NM_145715	TIGD2

A_22_P00002500	4,83932	5,07315	-1,175952674	N/A	N/A	BC017893	Inc-C16orf61-2
A_33_P3301097	2,04901	2,28292	-1,176017884	N/A	N/A	N/A	N/A
A_33_P3379811	1,59948	1,8334	-1,176026036	ENST00000549828	196415	NM_001101339	C12orf77
A_33_P3298661	8,43131	8,66536	-1,176132011	ENST00000544464	7707	NM_021964	ZNF148
A_23_P340251	12,1162	12,3503	-1,176172774	ENST00000429861	5862	NM_002865	RAB2A
A_33_P3335576	6,66178	6,89592	-1,176205384	N/A	N/A	N/A	N/A
A_32_P151366	9,30722	9,54146	-1,176286916	ENST00000606117	23408	NM_012241	SIRT5
A_33_P3318681	1,62053	1,85483	-1,176335837	ENST00000359440	342125	NM_001080532	TMC3
A_32_P166693	10,854	11,0883	-1,176335837	ENST00000311127	57493	NM_020733	HEG1
A_33_P3405384	4,64082	4,87513	-1,176343991	ENST00000422365	157777	NM_173518	MCMDC2
A_32_P185481	4,51765	4,75197	-1,176352145	N/A	N/A	AK127494	N/A
A_24_P37939	7,10695	7,34129	-1,176368452	ENST00000401695	6208	N/A	RPS14
A_33_P3278043	5,51671	5,7511	-1,176409223	ENST00000394876	93587	NM_152292	TRMT10A
A_22_P00022795	1,59182	1,82622	-1,176417377	ENST00000539105	N/A	BX108990	N/A
A_23_P412392	9,78977	10,0242	-1,17644184	ENST00000578049	9554	NM_004892	SEC22B
A_33_P3353030	8,94978	9,18422	-1,176449995	ENST00000296099	7349	NM_003353	UCN
A_23_P14072	14,3886	14,6231	-1,176498923	ENST00000550170	3856	NM_002273	KRT8
A_23_P54649	13,7049	13,9395	-1,176580475	ENST00000345057	8717	NM_003789	TRADD
A_33_P3372332	13,9461	14,1807	-1,176580475	ENST00000562209	1535	NM_000101	CYBA
A_23_P124044	10,2728	10,5075	-1,176662032	ENST00000527658	10522	NM_021008	DEAF1
A_23_P28590	10,1547	10,3894	-1,176662032	ENST00000488516	79675	NM_024622	FASTKD1
A_21_P0013471	5,29545	5,5302	-1,176702812	N/A	N/A	N/A	XLOC_I2_014171
A_21_P0002932	8,92478	9,15955	-1,176719125	N/A	N/A	N/A	Inc-FBLN2-1
A_22_P00010686	8,73722	8,97206	-1,176776221	ENST00000307892	80777	NM_030579	CYB5B
A_33_P3230339	9,81216	10,047	-1,176776221	ENST00000461970	7270	NM_007344	TTF1
A_22_P00014206	1,76259	1,99744	-1,176784378	N/A	N/A	BC026287	Inc-SEC16B.1-4
A_22_P00003321	8,5923	8,82721	-1,17683332	N/A	N/A	CD674525	Inc-CARHSP1-1
A_22_P00000927	1,84273	2,07764	-1,17683332	N/A	613126	NR_122109	CYP51A1-AS1
A_23_P70998	9,19106	9,42598	-1,176841477	ENST00000406829	729852	NM_001302350	UMAD1
A_22_P00020307	2,33161	2,56654	-1,176849635	N/A	N/A	N/A	Inc-FGD3-1
A_22_P00010748	2,24938	2,48439	-1,176914895	N/A	N/A	N/A	Inc-NKAIN3-1
A_24_P173566	2,66347	2,89854	-1,176963842	ENST00000390319	N/A	X57818	N/A
A_21_P0010729	4,22509	4,46021	-1,177004634	ENST00000578899	388692	NR_111933	LOC388692



A_33_P3414127	6,59981	6,83496	-1,177029109	ENST00000588993	339324	NM_001012756	ZNF260
A_33_P3301778	1,84326	2,07845	-1,177061744	ENST00000477615	100289017	NR_024346	MOXD2P
A_21_P0004313	3,314	3,54929	-1,177143334	N/A	N/A	N/A	Inc-PPARGC1B-1
A_24_P915371	13,2028	13,4381	-1,177151494	ENST00000491765	150678	NM_001163424	MYEOV2
A_23_P64214	6,39863	6,63393	-1,177151494	ENST00000527861	9159	NM_004716	PCSK7
A_33_P3228591	3,34437	3,57969	-1,177167812	ENST00000376357	N/A	AK301084	N/A
A_33_P3414362	7,25954	7,49486	-1,177167812	ENST00000300896	84669	NM_032582	USP32
A_33_P3288942	9,93597	10,1713	-1,177175972	ENST00000472095	83641	NM_001282695	FAM107B
A_33_P3249524	8,39365	8,62902	-1,177208611	ENST00000432940	441273	NM_001031618	SPDYE2
A_22_P00015813	5,52369	5,75908	-1,17722493	ENST00000519861	101927612	NR_108048	RNF139-AS1
A_23_P358009	8,64861	8,884	-1,17722493	ENST00000616884	23341	NM_015291	DNAJC16
A_24_P357100	5,71218	5,94769	-1,177322853	ENST00000216127	23551	NM_014310	RASD2
A_23_P389692	5,49112	5,72667	-1,177355496	ENST00000280020	57536	NM_020776	KIAA1328
A_33_P3343467	6,34543	6,58105	-1,177412623	N/A	255031	NR_015401	LINC00957
A_23_P89062	9,32072	9,55634	-1,177412623	ENST00000254109	100132341	NR_024034	CLUHP3
A_23_P120710	9,95015	10,1858	-1,177437107	ENST00000355666	7267	NM_003316	TTC3
A_22_P00006199	10,2294	10,4651	-1,177477914	N/A	N/A	N/A	Inc-FAM40A-1
A_24_P134816	10,6077	10,8434	-1,177477914	ENST00000334801	283149	NM_182557	BCL9L
A_23_P80473	9,17864	9,41451	-1,177616671	ENST00000319340	166012	NM_152889	CHST13
A_33_P3422728	6,43278	6,6687	-1,177657485	ENST00000493965	79937	NM_033655	CNTNAP3
A_22_P00009827	6,6784	6,91432	-1,177657485	ENST00000572343	101929650	XR_243528	LOC101929650
A_33_P3306264	9,82436	10,0603	-1,17767381	ENST00000244333	27076	NM_014400	LYPD3
A_21_P0001188	3,46542	3,70147	-1,177763607	N/A	101928484	NR_110811	LINC01363
A_24_P247074	11,4851	11,7212	-1,177804426	ENST00000451609	N/A	N/A	N/A
A_22_P00000472	2,79981	3,03594	-1,177828918	N/A	100128788	NR_027275	SRRM2-AS1
A_23_P110433	10,6934	10,9296	-1,177886068	ENST00000510930	23398	NM_015342	PPWD1
A_33_P3211376	1,59857	1,83481	-1,177918726	N/A	100128329	AF119909	PRO2958
A_21_P0002475	5,58086	5,81711	-1,177926891	ENST00000528268	375248	NM_001164315	ANKRD36
A_33_P3270742	2,4889	2,72521	-1,177975881	N/A	N/A	N/A	N/A
A_21_P0008748	2,93168	3,16801	-1,177992211	N/A	N/A	N/A	Inc-PIF1-1
A_24_P411815	11,469	11,7054	-1,178049369	ENST00000306984	136647	NM_138701	MPLKIP
A_23_P210300	10,8677	11,1042	-1,178131028	ENST00000336112	55252	NM_018263	ASXL2
A_24_P758256	1,70339	1,93991	-1,17814736	ENST00000597191	N/A	N/A	N/A

A_23_P251974	3,45405	3,69062	-1,178188193	ENST00000361625	9372	AF130420	ZFYVE9
A_23_P435501	11,6705	11,9071	-1,178212693	ENST00000255175	10955	NM_198941	SERINC3
A_24_P116805	8,93824	9,17488	-1,17824536	ENST00000404395	6774	NM_213662	STAT3
A_22_P00004006	2,52052	2,75716	-1,17824536	N/A	100846978	N/A	LINC00506
A_33_P3243307	4,94209	5,17876	-1,178269861	N/A	N/A	N/A	Inc-LSMD1-1
A_23_P98310	10,479	10,7158	-1,178376039	ENST00000323959	1479	NM_001326	CSTF3
A_21_P0002616	3,46283	3,69965	-1,178392375	N/A	N/A	N/A	Inc-TNFAIP6-2
A_33_P3398236	5,93563	6,17251	-1,178441384	N/A	340267	AJ890452	COL28A1
A_21_P0001567	3,0459	3,2828	-1,178457721	N/A	N/A	N/A	Inc-TAF13-1
A_24_P406245	8,83612	9,07302	-1,178457721	N/A	N/A	BC010535	N/A
A_33_P3296871	10,0807	10,3176	-1,178457721	ENST00000359467	7582	NM_006955	ZNF33B
A_23_P171150	1,51073	1,74766	-1,178482226	ENST00000373114	56062	NM_057162	KLHL4
A_21_P0011887	1,59899	1,83593	-1,178490395	ENST00000443866	728763	N/A	LOC728763
A_21_P0008829	4,91249	5,14944	-1,178498563	N/A	N/A	N/A	Inc-ZNF609-3
A_23_P148785	7,53222	7,76925	-1,178563915	ENST00000367829	375035	NM_199344	SFT2D2
A_24_P331904	14,2023	14,4394	-1,178621101	ENST00000569245	54939	NM_017828	COMMD4
A_21_P0010250	3,5497	3,78684	-1,17865378	N/A	54089	NR_024028	LINC00112
A_21_P0008266	4,77983	5,017	-1,178678289	N/A	N/A	N/A	Inc-TUBGCP3-6
A_24_P277615	8,76153	8,99872	-1,178694629	ENST00000393319	81786	NM_203297	TRIM7
A_24_P235316	12,2654	12,5026	-1,178702799	ENST00000522010	7419	NM_005662	VDAC3
A_22_P00002125	6,6538	6,89103	-1,17872731	N/A	N/A	N/A	Inc-BOLA2B-1
A_21_P0008402	5,15982	5,39705	-1,17872731	N/A	N/A	N/A	Inc-C14orf79-2
A_21_P0006109	2,87367	3,11095	-1,178768162	N/A	N/A	N/A	Inc-ANGPTL2-2
A_21_P0013760	10,5146	10,7519	-1,178784504	ENST00000448552	54921	NM_001039690	CHTF8
A_23_P372467	12,9759	13,2132	-1,178784504	ENST00000484217	130872	NM_152392	AHSA2
A_21_P0013236	8,26314	8,50059	-1,178907071	ENST00000414608	2969	NM_032999	GTF2I
A_33_P3424339	5,90203	6,13954	-1,178956101	ENST00000444823	N/A	N/A	N/A
A_24_P289273	3,2529	3,49046	-1,178996961	ENST00000372092	5995	BC008094	RGR
A_23_P371145	4,60338	4,84099	-1,179037823	ENST00000375418	113622	NM_138430	ADPRHL1
A_24_P157087	8,79592	9,03353	-1,179037823	ENST00000323492	841	NM_033355	CASP8
A_22_P00000772	1,54298	1,78063	-1,179070513	ENST00000580524	N/A	CB105476	N/A
A_22_P00021498	1,56295	1,80062	-1,179086859	N/A	N/A	BI755742	Inc-FAM184B-1
A_33_P3295523	11,1791	11,4168	-1,179111377	ENST00000306897	5881	NM_005052	RAC3

A_24_P385190	2,68505	2,92277	-1,179127724	ENST00000471005	6521	NM_000342	SLC4A1
A_33_P3414017	9,9683	10,2061	-1,17919311	N/A	N/A	N/A	N/A
A_23_P25253	12,3909	12,6287	-1,17919311	ENST00000428559	51071	NM_015954	DERA
A_22_P00013395	1,62223	1,86005	-1,179209457	ENST00000552615	643711	NR_077241	LOC643711
A_23_P119418	10,5479	10,7858	-1,179274848	ENST00000574110	8725	NM_003796	URI1
A_23_P66635	1,53328	1,77119	-1,179283022	ENST00000305869	6356	NM_002986	CCL11
A_22_P00020035	2,91492	3,15285	-1,179299371	ENST00000451419	30	BG533949	ACAA1
A_21_P0013960	5,19196	5,42994	-1,179340243	N/A	101930246	XR_250239	LOC101930246
A_22_P00002641	1,60025	1,83827	-1,179372942	N/A	N/A	N/A	Inc-C1orf186-1
A_22_P00001486	2,55262	2,79068	-1,179405641	N/A	N/A	BC126990	Inc-ARF6-2
A_22_P00022688	1,64145	1,87952	-1,179413816	N/A	N/A	N/A	Inc-CCL2-3
A_24_P340976	15,1374	15,3755	-1,179438342	ENST00000456555	N/A	N/A	N/A
A_33_P3242973	6,74289	6,98103	-1,179471043	ENST00000550858	10644	NM_006548	IGF2BP2
A_33_P3329622	1,58338	1,82165	-1,179577329	ENST00000395690	374977	BC143891	MROH7
A_33_P3332052	2,61788	2,85615	-1,179577329	ENST00000571176	284129	NM_001166347	SLC26A11
A_33_P3379841	6,37682	6,61511	-1,179593682	N/A	116828	NR_026928	N4BP2L2-IT2
A_33_P3353866	1,54311	1,78141	-1,179601858	ENST00000525093	80168	NM_025098	MOGAT2
A_24_P50028	1,61346	1,85176	-1,179601858	ENST00000320578	54734	NM_017516	RAB39A
A_22_P00018524	1,51257	1,75088	-1,179610034	N/A	285547	NR_034054	LINC01097
A_24_P165595	8,77584	9,0142	-1,179650917	ENST00000295087	26225	NM_012097	ARL5A
A_23_P72840	7,41178	7,65016	-1,179667271	ENST00000368399	54344	NM_018973	DPM3
A_33_P3319834	1,47008	1,70846	-1,179667271	ENST00000403423	343172	NM_001005522	OR2T8
A_21_P0012294	6,81237	7,05077	-1,179683625	ENST00000402176	N/A	N/A	N/A
A_23_P131330	1,50615	1,74456	-1,179691802	ENST00000409148	347730	NM_178839	LRRTM1
A_21_P0005689	13,8349	14,0734	-1,179765397	N/A	101929622	XR_426298	LOC101929622
A_23_P139929	12,6873	12,9258	-1,179765397	ENST00000455836	10961	NM_006817	ERP29
A_33_P3344127	9,53692	9,77544	-1,179781752	ENST00000602637	8334	NM_003512	HIST1H2AC
A_24_P862886	3,01171	3,25023	-1,179781752	ENST00000421395	1816	NM_000798	DRD5
A_21_P0014017	3,56559	3,80413	-1,179798107	N/A	101930017	XM_005276635	LOC101930017
A_21_P0000345	2,39141	2,63002	-1,179855353	N/A	677816	NR_002993	SNORA35
A_22_P00011026	6,88394	7,12258	-1,179879888	N/A	N/A	N/A	Inc-NT5DC2-1
A_21_P0011737	1,70458	1,94325	-1,179904423	N/A	N/A	N/A	XLOC_I2_006996
A_23_P72853	10,1225	10,3612	-1,179928958	ENST00000329548	84975	NM_032889	MFSD5

A_23_P67466	14,0422	14,2809	-1,179928958	ENST00000620216	5714	NM_002812	PSMD8
A_23_P157970	8,77964	9,01841	-1,17998621	ENST00000262456	27130	NM_014425	INVS
A_33_P3230951	1,62669	1,86547	-1,179994389	ENST00000599641	100073347	NR_024059	MIMT1
A_23_P167997	9,88411	10,1229	-1,180002569	ENST00000541790	8339	NM_003518	HIST1H2BG
A_23_P361773	9,51894	9,75774	-1,180010748	ENST00000414200	896	NM_001760	CCND3
A_19_P00318848	2,44277	2,6816	-1,180035286	N/A	100133545	N/A	MRPL23-AS1
A_23_P63153	10,4122	10,6511	-1,180092543	ENST00000369702	11218	NM_007204	DDX20
A_33_P3309491	14,2837	14,5226	-1,180092543	ENST00000428026	10076	NM_005704	PTPRU
A_22_P00021872	2,50709	2,74604	-1,180133442	ENST00000431911	N/A	N/A	N/A
A_32_P168349	5,53154	5,77052	-1,180157983	ENST00000466799	80739	NM_138277	C6orf25
A_23_P387552	12,2696	12,5086	-1,180174343	ENST00000425354	5916	NM_000966	RARG
A_24_P159181	12,1724	12,4114	-1,180174343	ENST00000204549	10081	NM_005707	PDCD7
A_33_P3222852	4,28571	4,52476	-1,180215246	N/A	N/A	AY203941	N/A
A_33_P3419938	13,9985	14,2376	-1,18025615	ENST00000345392	7428	NM_000551	VHL
A_33_P3318424	3,85287	4,09203	-1,180305236	N/A	N/A	N/A	N/A
A_21_P0003775	3,78406	4,0233	-1,180370688	N/A	N/A	N/A	Inc-SLC7A11-1
A_23_P20463	13,46	13,6993	-1,180419779	ENST00000297338	5885	NM_006265	RAD21
A_22_P00011810	4,59276	4,83206	-1,180419779	N/A	N/A	AK023907	Inc-PHACTR4-1
A_21_P0007816	3,38246	3,62181	-1,18046069	N/A	N/A	N/A	Inc-KCNA5-3
A_23_P93690	15,4256	15,665	-1,180501603	ENST00000303887	4176	NM_182776	MCM7
A_22_P00025517	4,78009	5,01949	-1,180501603	ENST00000425505	100038246	BC019674	TLX1NB
A_24_P133584	8,47793	8,71741	-1,180567065	ENST00000560937	4240	NM_005928	MFGE8
A_23_P145376	10,635	10,8745	-1,180583431	ENST00000373759	5603	NM_002754	MAPK13
A_23_P115467	7,16902	7,40855	-1,180607981	ENST00000368717	6276	NM_002962	S100A5
A_33_P3326822	2,70085	2,94039	-1,180616165	ENST00000461246	11185	N/A	INMT
A_23_P349310	10,2625	10,5021	-1,180665266	ENST00000464539	27327	NM_014494	TNRC6A
A_23_P137391	15,6526	15,8922	-1,180665266	ENST00000464920	2023	NM_001428	ENO1
A_22_P00006370	1,9965	2,23612	-1,180681634	ENST00000507203	N/A	N/A	N/A
A_33_P3234138	5,82536	6,06509	-1,18077166	N/A	131909	NR_036433	FAM172BP
A_24_P941988	8,94721	9,18699	-1,180812583	ENST00000615843	6683	NM_014946	SPAST
A_24_P92163	9,11958	9,35939	-1,180837137	ENST00000339367	N/A	N/A	N/A
A_24_P385313	15,0101	15,25	-1,180910804	ENST00000359947	5792	NM_002840	PTPRF
A_33_P3278501	1,58388	1,82381	-1,180935361	ENST00000603247	N/A	N/A	N/A

A_22_P00025273	1,5924	1,83234	-1,180943546	N/A	439950	NR_046108	CELF2-AS2
A_33_P3270271	1,41412	1,6541	-1,18097629	ENST00000563701	440386	XR_243473	LOC440386
A_24_P704446	1,6894	1,92943	-1,18101722	ENST00000389583	643236	NM_001123376	TMEM72
A_21_P0002537	1,54145	1,78155	-1,181074524	N/A	N/A	N/A	Inc-IKZF2-2
A_21_P0014347	3,51545	3,75556	-1,181082711	N/A	N/A	AK096807	N/A
A_23_P109593	9,69669	9,93682	-1,181099084	ENST00000355704	25771	NM_014346	TBC1D22A
A_32_P379467	2,27272	2,51292	-1,181156393	ENST00000435464	57611	NM_020851	ISLR2
A_33_P3266479	1,35572	1,59598	-1,181205517	ENST00000359688	441933	NM_001005487	OR13G1
A_23_P34460	7,81815	8,05843	-1,181221892	ENST00000427993	23443	NM_012243	SLC35A3
A_33_P3800664	9,67645	9,91675	-1,181238267	ENST00000607307	N/A	AK090649	N/A
A_32_P4199	7,22016	7,46046	-1,181238267	ENST00000312828	220441	NM_173557	RNF152
A_33_P3347697	1,50532	1,74563	-1,181246455	ENST00000539517	4857	NM_002515	NOVA1
A_33_P3415962	4,48191	4,72225	-1,181271019	N/A	100506947	AK130540	LOC100506947
A_32_P60716	1,54816	1,7885	-1,181271019	ENST00000388914	339965	NM_001042784	CCDC158
A_24_P118884	3,63266	3,87305	-1,181311959	ENST00000442164	N/A	N/A	N/A
A_23_P27285	10,0107	10,2511	-1,181320148	ENST00000592447	65258	NM_023075	MPPE1
A_21_P0002933	1,68181	1,92221	-1,181320148	ENST00000596963	N/A	N/A	N/A
A_21_P0012700	1,53704	1,77748	-1,181352901	N/A	N/A	N/A	XLOC_I2_011407
A_21_P0011560	5,4701	5,71059	-1,181393844	N/A	N/A	N/A	XLOC_I2_005921
A_33_P3342663	1,50332	1,7439	-1,181467546	ENST00000619289	80332	NM_153202	ADAM33
A_22_P00024273	8,6894	8,93006	-1,181533062	ENST00000423020	N/A	DA103928	N/A
A_21_P0011287	1,34303	1,58371	-1,181549442	N/A	N/A	N/A	XLOC_I2_004556
A_23_P39774	10,0114	10,2522	-1,181647724	ENST00000450162	11017	NM_006857	SNRNP27
A_33_P3745164	1,5148	1,75561	-1,181655915	ENST00000383699	253559	NM_001167674	CADM2
A_23_P319640	8,29876	8,53963	-1,18170506	N/A	151534	NR_024606	LBX2-AS1
A_33_P3412428	3,65041	3,89131	-1,181729633	ENST00000618895	203102	NM_145004	ADAM32
A_33_P3809606	12,0513	12,2922	-1,181729633	ENST00000553648	N/A	N/A	N/A
A_22_P00006335	6,16861	6,40958	-1,181786972	N/A	N/A	BC031940	Inc-FANCI-1
A_23_P107963	10,8899	11,1309	-1,181811547	ENST00000310160	2523	NM_000148	FUT1
A_23_P251021	3,84686	4,08798	-1,181909851	ENST00000376800	10255	NR_028032	HCG9
A_21_P0012118	4,81571	5,05685	-1,181926236	N/A	N/A	N/A	XLOC_I2_008599
A_33_P3300817	18,1955	18,4367	-1,181975392	ENST00000599232	6193	NM_001009	RPS5
A_33_P3577671	11,8576	12,0988	-1,181975392	ENST00000321147	54878	NM_130434	DPP8

A_24_P8318	8,05154	8,29283	-1,18204913	ENST00000491831	27125	NM_014423	AFF4
A_24_P274831	1,47402	1,71532	-1,182057323	ENST00000313543	168537	NM_153236	GIMAP7
A_21_P0007935	2,19858	2,43995	-1,182114678	N/A	N/A	N/A	Inc-KIAA1704-2
A_21_P0006199	1,56484	1,80622	-1,182122872	N/A	N/A	N/A	Inc-ZNF462-1
A_23_P350187	8,21706	8,45846	-1,18213926	ENST00000265149	54790	NM_001127208	TET2
A_33_P3261620	5,09236	5,3338	-1,182172036	ENST00000427970	2693	NM_004122	GHSR
A_21_P0006921	1,74018	1,98164	-1,182188425	N/A	N/A	N/A	Inc-EMX2-2
A_21_P0011293	6,32953	6,57099	-1,182188425	N/A	N/A	N/A	XLOC_I2_004594
A_23_P316064	4,37111	4,61257	-1,182188425	ENST00000421794	353174	NM_180990	ZACN
A_22_P00006409	1,58302	1,8245	-1,182204814	N/A	N/A	N/A	Inc-FBXO15-3
A_22_P00013700	1,50061	1,74209	-1,182204814	N/A	N/A	N/A	Inc-RP11-770G2.3.1-2
A_33_P3286318	15,1751	15,4166	-1,182221203	ENST00000534819	N/A	BC011771	N/A
A_23_P143006	5,04693	5,28845	-1,182237592	ENST00000165524	51052	NM_015893	PRLH
A_24_P270033	9,28617	9,52772	-1,182262176	ENST00000278949	196264	NM_198275	MPZL3
A_33_P3219050	1,77667	2,01823	-1,182270371	N/A	100128571	AK131515	LOC100128571
A_21_P0002639	5,01388	5,25551	-1,182327736	N/A	N/A	N/A	Inc-TMEM18-6
A_22_P00005695	1,77615	2,01781	-1,182352322	N/A	N/A	BX091701	Inc-ELAVL4-4
A_23_P154894	15,7047	15,9464	-1,182385105	ENST00000291568	1476	NM_000100	CSTB
A_21_P0004888	3,51929	3,76099	-1,182385105	N/A	N/A	N/A	Inc-CD2AP-1
A_22_P00002143	1,35037	1,59215	-1,182450672	N/A	100874261	NR_047479	LINC00854
A_23_P22565	1,52873	1,77061	-1,182532636	ENST00000370350	89885	NM_033085	FATE1
A_23_P156687	8,35533	8,59722	-1,182540833	ENST00000425368	629	NM_001710	CFB
A_21_P0004241	6,2795	6,52139	-1,182540833	N/A	N/A	N/A	Inc-AC091435.2-1
A_22_P00019404	1,54596	1,78797	-1,182639198	N/A	N/A	XM_005264708	Inc-ACP1-7
A_22_P00000785	1,56741	1,80943	-1,182647395	N/A	100130522	NR_028339	PARD6G-AS1
A_33_P3215933	4,66224	4,90426	-1,182647395	ENST00000446386	196264	NM_198275	MPZL3
A_24_P256337	8,64567	8,88772	-1,182671988	ENST00000347275	84146	NM_201269	ZNF644
A_21_P0012668	1,93729	2,17934	-1,182671988	N/A	N/A	N/A	XLOC_I2_011145
A_22_P00024640	2,59324	2,83533	-1,182704779	ENST00000383019	100128714	NR_040082	LOC100128714
A_21_P0007623	1,489	1,7311	-1,182712977	N/A	N/A	N/A	Inc-FICD-1
A_23_P410717	7,90353	8,14565	-1,182729373	ENST00000290363	148523	NM_144697	CIART
A_33_P3340294	6,44847	6,69061	-1,182745769	ENST00000401878	155435	NM_053043	RBM33
A_21_P0012313	5,67233	5,9145	-1,182770364	ENST00000609229	5625	N/A	PRODH

A_23_P14273	13,6577	13,8999	-1,182794959	ENST00000311141	79038	NM_024071	ZFYVE21
A_23_P250644	8,45877	8,701	-1,182819555	ENST00000458198	91368	N/A	CDKN2AIPNL
A_21_P0013763	1,52732	1,76964	-1,182893345	N/A	N/A	N/A	XLOC_I2_015520
A_33_P3224680	8,81896	9,06129	-1,182901545	ENST00000370143	54482	AK289404	TRMT13
A_23_P28638	10,13	10,3724	-1,182958941	ENST00000403716	55041	NM_017958	PLEKHB2
A_22_P00002065	1,52696	1,76945	-1,18303274	ENST00000526674	N/A	AK311733	N/A
A_24_P196499	5,01141	5,25392	-1,18304914	ENST00000471257	51742	AB030181	ARID4B
A_23_P153867	2,4795	2,72204	-1,183073741	ENST00000557925	79603	NM_024552	CERS4
A_21_P0014854	2,58194	2,82463	-1,183196754	N/A	N/A	N/A	N/A
A_22_P00016257	10,0449	10,2876	-1,183204956	N/A	N/A	N/A	Inc-TMED5-1
A_33_P3404052	7,81991	8,06261	-1,183204956	ENST00000274456	25816	NM_001286813	TNFAIP8
A_21_P0009347	1,58233	1,82507	-1,183237761	N/A	N/A	N/A	Inc-HELZ-1
A_33_P3408877	8,2092	8,45196	-1,183254165	N/A	N/A	N/A	N/A
A_33_P3385711	1,85095	2,09379	-1,18331978	ENST00000322653	390067	NM_001005289	OR52H1
A_33_P3225186	1,74068	1,98356	-1,183352589	ENST00000390429	N/A	N/A	N/A
A_22_P00022503	4,33477	4,57765	-1,183352589	N/A	N/A	N/A	Inc-PUM2-1
A_21_P0002445	4,1874	4,43031	-1,183377197	N/A	N/A	N/A	Inc-BCL11A-1
A_19_P00315824	6,68322	6,92614	-1,183385399	ENST00000594315	100505495	NR_040109	PCAT19
A_33_P3244104	1,85901	2,10195	-1,183401804	ENST00000435676	149297	AB593134	FAM78B
A_33_P3406706	7,63706	7,88007	-1,183459225	ENST00000287675	9941	NM_005107	EXOGEN
A_22_P00019273	8,24403	8,4871	-1,183508445	N/A	N/A	AK091631	Inc-MED7-1
A_22_P00023239	3,38932	3,6324	-1,183516648	N/A	N/A	N/A	Inc-CAPRIN2-2
A_33_P3309662	14,6813	14,9244	-1,183533055	ENST00000585480	2879	NM_001039848	GPX4
A_32_P191786	4,27828	4,5214	-1,183549463	ENST00000600132	170961	NM_133475	ANKRD24
A_33_P3236868	12,0748	12,318	-1,183615094	ENST00000568370	4501	NM_005952	MT1X
A_24_P273253	9,18244	9,42567	-1,183639707	ENST00000333244	113146	NM_138420	AHNAK2
A_22_P00012968	4,73433	4,97759	-1,18366432	N/A	N/A	CF130048	Inc-RELL2-1
A_23_P88893	12,0431	12,2864	-1,183697139	ENST00000610455	54849	NM_017702	DEF8
A_22_P00014097	4,40207	4,64537	-1,183697139	N/A	N/A	AK097045	Inc-SAT2-1
A_23_P209726	5,7819	6,02523	-1,183721754	ENST00000392045	11262	NM_007237	SP140
A_33_P3287195	5,39205	5,63539	-1,183729959	N/A	N/A	AY129018	N/A
A_23_P349127	7,11591	7,35929	-1,183762779	ENST00000356231	146059	NM_138477	CDAN1
A_24_P143574	3,33698	3,58037	-1,183770984	ENST00000562014	10326	NM_006065	SIRPB1

A_23_P76245	1,51301	1,75641	-1,18377919	ENST00000354534	6334	NM_014191	SCN8A
A_23_P308305	9,44738	9,69079	-1,183787395	ENST00000584250	125488	NM_001243425	TTC39C
A_22_P00019126	1,54857	1,79201	-1,183812011	ENST00000568267	N/A	N/A	N/A
A_33_P3334292	8,13197	8,37544	-1,183836628	ENST00000419275	644591	AK123006	PPIAL4G
A_33_P3375528	6,92128	7,1648	-1,183877658	ENST00000451637	166968	NM_152622	MIER3
A_33_P3372647	3,44307	3,68664	-1,183918688	ENST00000390301	N/A	DQ098690	N/A
A_21_P0005101	6,07344	6,31701	-1,183918688	N/A	N/A	N/A	Inc-WRNIP1-2
A_33_P3311863	5,22623	5,46983	-1,183943308	ENST00000448903	161	NM_001242837	AP2A2
A_23_P100963	4,79163	5,03523	-1,183943308	ENST00000355530	201305	NM_182538	SPNS3
A_33_P3389060	9,82122	10,0649	-1,184008961	ENST00000484546	55755	NM_018249	CDK5RAP2
A_23_P414913	8,3973	8,64098	-1,184008961	ENST00000474050	152007	NM_022343	GLIPR2
A_24_P153456	6,15195	6,39565	-1,184025375	ENST00000283441	79844	NM_024786	ZDHHC11
A_33_P3325296	2,95301	3,19673	-1,184041789	N/A	N/A	N/A	N/A
A_23_P111141	12,4932	12,737	-1,184107448	ENST00000419496	7917	NM_004639	BAG6
A_23_P341532	10,3538	10,5976	-1,184107448	ENST00000317257	83852	NM_031915	SETDB2
A_22_P00022973	1,51949	1,76337	-1,184173111	N/A	N/A	N/A	Inc-SALL3-1
A_22_P00000233	5,71869	5,96258	-1,184181319	N/A	N/A	AK126240	Inc-AC005838.1-4
A_33_P3417260	10,7593	11,0032	-1,184189527	ENST00000494066	54981	NM_017881	NMRK1
A_23_P422540	11,1584	11,4023	-1,184189527	ENST00000537526	23326	NM_015276	USP22
A_33_P3338417	9,06847	9,31242	-1,184230569	ENST00000235521	10352	NM_201263	WARS2
A_21_P0014722	4,46121	4,70521	-1,184271612	ENST00000512507	9555	AB209490	H2AFY
A_24_P132470	11,6643	11,9083	-1,184271612	ENST00000251527	57488	NM_020728	ESYT2
A_33_P3412613	6,66995	6,914	-1,184312656	ENST00000393053	7112	NM_001032283	TMPO
A_33_P3265950	8,79836	9,04243	-1,184329074	ENST00000342704	9139	NM_005093	CBFA2T2
A_21_P0010376	4,15309	4,3972	-1,184361911	N/A	N/A	N/A	Inc-ZMAT5-1
A_22_P00014381	2,03316	2,27739	-1,184460428	ENST00000420391	N/A	BG212324	N/A
A_22_P00008908	4,51334	4,75762	-1,184501479	N/A	N/A	AK123781	Inc-KLHL8-1
A_23_P18276	13,2176	13,4619	-1,1845179	ENST00000464087	10181	NM_005778	RBM5
A_22_P00000406	6,57731	6,82163	-1,184534321	N/A	102724508	NR_110881	LOC102724508
A_23_P164966	1,50546	1,74979	-1,184542531	ENST00000301295	147945	NM_134444	NLRP4
A_22_P00009781	5,77239	6,01677	-1,184583585	N/A	N/A	AK091631	Inc-MED7-1
A_33_P3224250	4,19512	4,43952	-1,184600007	ENST00000356970	23155	NM_001048210	CLCC1
A_33_P3281577	1,49869	1,74313	-1,184632852	ENST00000613186	696	NM_001732	BTN1A1



A_23_P156443	4,57154	4,81598	-1,184632852	ENST00000356348	3841	NM_002269	KPNA5
A_24_P302998	14,8806	15,1251	-1,18468212	ENST00000515202	521	NM_007100	ATP5I
A_24_P187948	13,3803	13,6248	-1,18468212	ENST00000494097	637	NM_197966	BID
A_19_P00811706	4,31523	4,55973	-1,18468212	ENST00000616304	4026	NM_005578	LPP
A_33_P3341906	1,4043	1,64885	-1,184723179	ENST00000374148	170371	XM_006717655	C10orf128
A_22_P00019654	4,77278	5,01735	-1,184739603	ENST00000521660	101929217	NR_105004	LOC101929217
A_23_P43566	15,0655	15,3101	-1,184764239	ENST00000373768	4702	NM_014222	NDUFA8
A_21_P0003230	2,40984	2,65452	-1,184829938	N/A	101929054	XR_425565	LOC101929054
A_33_P3227264	13,088	13,3327	-1,184846363	ENST00000463652	728642	NM_024011	CDK11A
A_19_P00318954	3,88121	4,12595	-1,184879215	ENST00000580948	N/A	N/A	N/A
A_23_P502678	11,2818	11,5266	-1,184928494	ENST00000397070	83877	NM_031940	TM2D2
A_23_P376114	1,99787	2,24268	-1,184936707	ENST00000622844	259292	NM_176887	TAS2R46
A_22_P00021561	4,08569	4,33051	-1,18494492	ENST00000443621	N/A	N/A	N/A
A_33_P3275199	9,15388	9,3987	-1,18494492	ENST00000615982	8629	NM_003724	JRK
A_24_P201125	1,53852	1,78335	-1,184953134	ENST00000375231	22869	NM_014930	ZNF510
A_33_P3242952	9,32106	9,5659	-1,184961347	ENST00000470041	729533	NM_001123168	FAM72A
A_21_P0012452	1,5931	1,83798	-1,184994202	ENST00000474651	N/A	N/A	N/A
A_33_P3350452	10,2249	10,4698	-1,185010629	ENST00000482912	N/A	N/A	N/A
A_24_P364838	11,2784	11,5233	-1,185010629	ENST00000432365	9351	NM_004785	SLC9A3R2
A_23_P253464	7,37952	7,62443	-1,185018843	ENST00000475656	84142	NM_139076	FAM175A
A_24_P551028	8,04102	8,28597	-1,185051699	ENST00000280098	339745	NM_001001664	SPOPL
A_23_P168812	6,99888	7,24393	-1,185133844	ENST00000408938	221786	NM_145111	FAM200A
A_24_P943472	9,23127	9,47633	-1,185142059	ENST00000312521	9975	NM_005126	NR1D2
A_21_P0000994	1,5346	1,77967	-1,185150273	ENST00000425185	N/A	N/A	N/A
A_22_P00020157	4,539	4,78424	-1,185289934	N/A	N/A	AK125316	Inc-RAD1-1
A_23_P54991	10,8946	11,1399	-1,18533923	ENST00000579991	140735	NM_080677	DYNLL2
A_24_P348989	5,53573	5,78104	-1,185347446	ENST00000613536	11024	NM_006863	LILRA1
A_22_P00013169	8,30382	8,54914	-1,185355662	N/A	N/A	N/A	Inc-RNF13-2
A_33_P3299066	5,74104	5,98642	-1,185404961	ENST00000417972	4929	NM_006186	NR4A2
A_33_P3273267	2,57819	2,82367	-1,18548713	ENST00000443465	N/A	XM_006726809	N/A
A_22_P00004406	1,93635	2,18184	-1,185495347	ENST00000564681	N/A	BC037343	N/A
A_23_P171366	11,599	11,8445	-1,185503564	ENST00000467378	8237	NM_004651	USP11
A_24_P647682	8,25647	8,50198	-1,185511781	ENST00000416519	N/A	N/A	N/A

A_24_P343271	7,52445	7,76998	-1,185528216	ENST00000444024	55005	NM_017909	RMND1
A_23_P107051	7,72568	7,97126	-1,185569304	ENST00000309889	8557	NM_003673	TCAP
A_23_P105307	11,9337	12,1793	-1,18558574	ENST00000550957	1606	NM_201444	DGKA
A_23_P55127	7,95765	8,2033	-1,18562683	ENST00000527582	56985	NM_020233	ADPRM
A_33_P3260868	1,72387	1,96954	-1,185643266	N/A	N/A	N/A	N/A
A_21_P0010266	1,63997	1,88566	-1,185659703	N/A	N/A	N/A	Inc-TPTE-4
A_32_P112279	10,8309	11,0767	-1,185750108	ENST00000448552	54921	NM_001039690	CHTF8
A_32_P530933	1,6712	1,91704	-1,185782985	ENST00000622086	26108	NM_015617	PYGO1
A_23_P7083	8,42435	8,67022	-1,185807642	N/A	92070	NR_033339	CTBP1-AS2
A_22_P00000285	2,53527	2,78114	-1,185807642	N/A	100287036	NM_001242885	LOC100287036
A_23_P408455	11,5074	11,7533	-1,185832301	ENST00000446041	55186	NM_001104647	SLC25A36
A_33_P3220202	10,9079	11,1538	-1,185832301	ENST00000291906	29941	NM_013355	PKN3
A_23_P17880	7,15932	7,40526	-1,18586518	ENST00000486019	10126	NM_005740	DNAL4
A_22_P00020594	2,42567	2,67163	-1,185881619	N/A	N/A	AK091499	Inc-AGMAT-1
A_33_P3213006	12,132	12,378	-1,185914499	ENST00000377747	728255	NM_001257305	KRTAP1-4
A_33_P3219697	13,3567	13,6028	-1,185996704	N/A	339416	NM_198493	ANKRD45
A_21_P0010690	1,71889	1,96502	-1,186021366	ENST00000413332	100133612	N/A	LINC01134
A_33_P3350207	12,1938	12,4401	-1,186161129	ENST00000576921	54985	NM_017885	HCFC1R1
A_33_P3390107	13,8385	14,0848	-1,186161129	N/A	100008588	NR_003286	RNA18S5
A_33_P3413701	10,005	10,2514	-1,18624335	ENST00000443439	51752	NM_001040458	ERAP1
A_23_P376799	10,4546	10,701	-1,18624335	ENST00000471102	253725	NM_015262	FAM21C
A_21_P0002056	1,49638	1,74286	-1,186309131	ENST00000423539	N/A	N/A	N/A
A_33_P3302312	10,8773	11,1238	-1,186325577	ENST00000372491	389792	NM_203434	IER5L
A_33_P3230588	5,97598	6,22251	-1,186350246	N/A	N/A	DB321672	N/A
A_21_P0003913	1,65102	1,89755	-1,186350246	N/A	N/A	N/A	Inc-CLDN24-2
A_24_P358245	7,94172	8,18826	-1,18635847	ENST00000434138	158381	NR_003582	ATP8B5P
A_22_P00002291	1,35558	1,60217	-1,186399586	N/A	N/A	N/A	Inc-C10orf85-1
A_23_P130113	4,00157	4,24824	-1,186465376	ENST00000254850	433	NM_080912	ASGR2
A_24_P182929	1,60166	1,84834	-1,1864736	ENST00000490337	7881	NM_003471	KCNAB1
A_24_P36097	10,5852	10,8319	-1,186490048	ENST00000327154	84268	NM_001160266	RPAIN
A_21_P0007840	1,64146	1,8882	-1,186522945	ENST00000544089	N/A	N/A	N/A
A_33_P3256773	9,13129	9,37811	-1,186588742	ENST00000374234	58493	NM_021218	INIP
A_21_P0012173	1,60293	1,84981	-1,186638092	ENST00000423581	N/A	N/A	N/A

A_24_P926507	4,72868	4,97558	-1,186654542	ENST00000321925	6563	NM_001146037	SLC14A1
A_23_P106973	16,5382	16,7851	-1,186654542	ENST00000329047	10801	NM_006640	set-09
A_22_P00001222	11,2858	11,5327	-1,186654542	ENST00000577703	4729	NM_021074	NDUFV2
A_21_P0010724	7,21741	7,46433	-1,186670993	ENST00000544283	645166	NR_027354	LOC645166
A_23_P72025	7,72035	7,9673	-1,186695669	ENST00000440964	788	NM_000387	SLC25A20
A_33_P3374035	1,51901	1,76596	-1,186695669	N/A	8566	AK094630	PDXK
A_22_P00021143	5,47399	5,72096	-1,18671212	N/A	N/A	AA405962	Inc-CCDC166-1
A_23_P152666	10,9321	11,1791	-1,186736798	ENST00000299335	1353	NM_004375	COX11
A_23_P381478	1,57612	1,82313	-1,186745024	ENST00000294600	148870	NM_152492	CCDC27
A_33_P3422170	7,90966	8,15671	-1,186777928	ENST00000437410	220988	NM_194247	HNRNPA3
A_33_P3226800	1,50772	1,75479	-1,18679438	N/A	N/A	N/A	N/A
A_24_P63262	12,2424	12,4895	-1,186819059	ENST00000296255	6184	NM_002950	RPN1
A_23_P364465	11,4651	11,7122	-1,186819059	ENST00000506184	65056	NM_022913	GPBP1
A_22_P00008064	1,5184	1,76551	-1,186827285	ENST00000493545	N/A	N/A	N/A
A_22_P00013058	3,5958	3,84294	-1,186851965	N/A	N/A	BC018684	Inc-RHBDD1-1
A_23_P213369	9,08673	9,33391	-1,186884872	ENST00000507481	9812	NM_014773	KIAA0141
A_23_P258340	16,6466	16,8938	-1,186901326	ENST00000455837	5478	NM_021130	PPIA
A_33_P3293266	10,3464	10,5936	-1,186901326	ENST00000438836	84286	NM_001297427	TMEM175
A_33_P3290919	13,0223	13,2695	-1,186901326	ENST00000379701	573	NM_001172415	BAG1
A_23_P95231	1,9658	2,21308	-1,186967143	ENST00000554533	55259	NM_018272	CASC1
A_22_P00010953	2,25886	2,50614	-1,186967143	N/A	N/A	N/A	Inc-NR5A1-1
A_24_P277807	12,4038	12,6511	-1,186983598	ENST00000349379	8724	NM_003795	SNX3
A_21_P0004936	3,7505	3,9978	-1,186983598	N/A	N/A	N/A	Inc-CLVS2-2
A_33_P3797897	1,50067	1,74803	-1,187032965	N/A	494558	BI561609	C9orf135-AS1
A_33_P3312499	2,66133	2,9087	-1,187041192	ENST00000405633	219995	NM_001098835	MS4A15
A_22_P00006955	3,20074	3,44813	-1,187057648	ENST00000449333	N/A	N/A	N/A
A_24_P100761	7,15197	7,3994	-1,187090561	ENST00000587294	54828	NM_017679	BCAS3
A_21_P0007978	1,35177	1,59923	-1,187115246	N/A	100861573	N/A	LINC00572
A_23_P12643	1,77361	2,02108	-1,187123475	ENST00000615257	57412	NM_020682	AS3MT
A_23_P122233	12,306	12,5535	-1,187148161	ENST00000519059	29093	NM_001014990	MRPL22
A_22_P00009102	2,70543	2,95301	-1,187213992	N/A	N/A	BP871037	Inc-LIFR-2
A_22_P00000788	1,43997	1,68758	-1,18723868	ENST00000448825	N/A	N/A	N/A
A_23_P88484	14,915	15,1627	-1,187312746	ENST00000559852	1854	NM_001025248	DUT

A_22_P00020569	8,21177	8,45947	-1,187312746	N/A	100507495	NR_040047	SDCBP2-AS1
A_33_P3332871	3,92082	4,16857	-1,187353895	N/A	N/A	BE616696	N/A
A_33_P3233659	7,76228	8,01004	-1,187362126	ENST00000470933	10556	NM_001104546	RPP30
A_33_P3351166	1,48061	1,72842	-1,187403277	N/A	N/A	N/A	N/A
A_32_P183218	3,59727	3,8451	-1,187419738	ENST00000375256	195828	NM_153695	ZNF367
A_33_P3250595	6,44112	6,68898	-1,187444443	ENST00000487427	6453	NM_001001132	ITSN1
A_33_P3246623	4,27871	4,52657	-1,187444443	ENST00000370276	343099	NM_206886	CCDC18
A_23_P7172	11,2651	11,513	-1,187477354	ENST00000512556	55276	NM_018290	PGM2
A_33_P3276813	6,80595	7,05389	-1,187510278	ENST00000370618	346007	NM_001142800	EYS
A_22_P00020071	2,32699	2,57495	-1,18752674	N/A	N/A	N/A	Inc-ZDHHC9-1
A_23_P201097	14,2899	14,5379	-1,187559666	ENST00000464858	2987	NM_000858	GUK1
A_33_P3385912	5,41638	5,66443	-1,187600824	N/A	N/A	N/A	N/A
A_23_P46170	10,598	10,8461	-1,187641984	ENST00000372457	112950	NM_201542	MED8
A_21_P0007722	1,57818	1,82628	-1,187641984	N/A	N/A	N/A	Inc-IFNG-2
A_21_P0010657	2,26709	2,51519	-1,187641984	ENST00000441085	N/A	N/A	N/A
A_22_P00017136	1,69078	1,93889	-1,187650216	ENST00000428474	101927156	N/A	LOC101927156
A_24_P168994	3,4067	3,65482	-1,187658449	ENST00000491819	353149	NM_178571	TBC1D26
A_33_P3261054	5,33273	5,58086	-1,187666681	ENST00000315396	93233	NM_144577	CCDC114
A_33_P3328289	4,39696	4,64513	-1,18769961	N/A	N/A	N/A	N/A
A_24_P113221	11,506	11,7542	-1,187724308	ENST00000399061	7572	NM_006965	ZNF24
A_22_P00008730	1,34545	1,59369	-1,187757239	N/A	N/A	N/A	Inc-KIAA1755-1
A_33_P3227482	1,69294	1,94125	-1,187814871	ENST00000604907	100533789	NR_126038	LRRC37A8P
A_24_P357518	14,3696	14,618	-1,187888973	ENST00000493462	6144	NM_000982	RPL21
A_33_P3263938	4,05271	4,30113	-1,187905441	ENST00000316144	389812	NM_203347	LCN15
A_32_P389118	6,41561	6,66405	-1,187921909	ENST00000233099	54497	NM_019024	HEATR5B
A_33_P3278187	8,16322	8,41169	-1,187946611	ENST00000375259	11046	NM_001286990	SLC35D2
A_23_P434398	1,48828	1,73677	-1,18796308	ENST00000358430	167838	NM_153235	TXLNB
A_19_P00320716	2,89357	3,14211	-1,188004252	ENST00000479612	100302640	N/A	LINC00882
A_24_P408715	1,53114	1,77971	-1,188028956	ENST00000296292	91869	NM_052859	RFT1
A_33_P3224045	12,9489	13,1975	-1,188053661	ENST00000301264	1613	NM_001348	DAPK3
A_32_P62863	12,1669	12,4155	-1,188053661	ENST00000412423	29970	NM_014575	SCHIP1
A_22_P00010847	2,88834	3,13702	-1,188119542	N/A	N/A	N/A	Inc-NOM1-4
A_23_P60627	5,54878	5,79755	-1,188193664	ENST00000380173	247	NM_001141	ALOX15B

A_24_P179611	11,9908	12,2396	-1,188218372	ENST00000613151	7175	NM_003292	TPR
A_23_P129101	12,5986	12,8475	-1,188300735	ENST00000569410	3073	NM_000520	HEXA
A_22_P00016621	8,97177	9,22069	-1,188317209	N/A	100507316	NR_120683	LOC100507316
A_33_P3273459	4,45221	4,70113	-1,188317209	ENST00000466212	374955	XR_241189	SPATA21
A_22_P00008124	1,80432	2,05325	-1,188325446	N/A	N/A	N/A	Inc-IL3-3
A_33_P3266614	7,20372	7,45265	-1,188325446	N/A	N/A	N/A	N/A
A_33_P3346533	7,39973	7,64867	-1,188333683	N/A	N/A	N/A	N/A
A_21_P0009617	4,90795	5,15691	-1,188350157	ENST00000583578	284276	NR_015417	LINC00908
A_21_P0002702	6,98375	7,23271	-1,188350157	N/A	100506637	NR_109996	PRKAR2A-AS1
A_22_P00010038	1,70832	1,95731	-1,188374868	ENST00000561934	N/A	N/A	N/A
A_23_P23017	11,2505	11,4995	-1,188383105	ENST00000470385	54987	NM_017887	C1orf123
A_33_P3335746	6,23707	6,48615	-1,188449005	ENST00000395589	10302	NM_006049	SNAPC5
A_33_P3332997	1,54523	1,79434	-1,188473718	ENST00000557418	3169	N/A	FOXA1
A_23_P139198	2,39799	2,64718	-1,188539623	ENST00000394618	85329	NM_033101	LGALS12
A_33_P3667484	14,0248	14,274	-1,188547861	ENST00000491397	648740	NR_024438	ACTG1P4
A_21_P0003897	1,55036	1,79958	-1,188564338	N/A	N/A	N/A	Inc-UGT2A3-1
A_33_P3265270	5,02588	5,27517	-1,188622009	ENST00000481996	26503	NM_012434	SLC17A5
A_23_P59481	10,4434	10,6927	-1,188630248	ENST00000470408	9690	NM_014671	UBE3C
A_23_P119857	9,86298	10,1123	-1,188646726	ENST00000495698	130502	NM_001008237	TTC32
A_22_P00022502	5,39231	5,64168	-1,188687922	ENST00000457813	N/A	N/A	N/A
A_33_P3236267	14,0571	14,3065	-1,18871264	ENST00000515031	201853	NR_126435	LINC00504
A_33_P3382331	5,16389	5,41336	-1,188770319	ENST00000445535	3310	NM_002155	HSPA6
A_23_P200792	12,3056	12,5551	-1,188795039	ENST00000256646	4853	NM_024408	NOTCH2
A_23_P48455	8,45947	8,70897	-1,188795039	ENST00000541086	81693	NM_030943	AMN
A_21_P0013912	4,67421	4,92372	-1,188803279	ENST00000328759	374920	NM_199341	C19orf68
A_33_P3292851	7,9019	8,15142	-1,188811519	N/A	7329	XM_006720938	UBE2I
A_33_P3356406	6,20718	6,45677	-1,188869202	ENST00000402219	6654	NM_005633	SOS1
A_21_P0006243	2,07117	2,32076	-1,188869202	N/A	N/A	N/A	Inc-EGFL7-2
A_33_P3324894	4,04249	4,29218	-1,188951611	N/A	N/A	AK130532	N/A
A_22_P00002120	2,6961	2,94586	-1,189009301	N/A	102724551	XR_425930	LOC102724551
A_33_P3232562	9,47204	9,72181	-1,189017542	ENST00000373493	5928	NM_005610	RBBP4
A_21_P0011637	4,3197	4,5695	-1,189042267	ENST00000584962	644945	NR_029393	KRT16P3
A_22_P00010807	5,74661	5,99645	-1,189075235	N/A	101978719	NR_104091	LINC00970

A_22_P00009064	3,51855	3,76844	-1,189116446	N/A	N/A	AA292921	Inc-LEO1-4
A_33_P3261973	5,78673	6,03663	-1,189124688	ENST00000369564	10717	NM_006594	AP4B1
A_22_P00022495	1,58184	1,83175	-1,189132931	ENST00000435301	101927512	XR_425250	LOC101927512
A_23_P43079	9,09496	9,34502	-1,189256574	ENST00000521155	55656	NM_017864	INTS8
A_21_P0002374	3,70513	3,95522	-1,189281304	N/A	N/A	N/A	Inc-AC112715.2.1-3
A_23_P130444	7,33852	7,58865	-1,189314278	ENST00000301093	55762	NM_018260	ZNF701
A_22_P00018820	1,52469	1,77489	-1,189371986	N/A	N/A	BG697942	Inc-CES1-3
A_33_P3352995	2,45018	2,70045	-1,189429696	ENST00000382614	387733	NM_001025295	IFITM5
A_33_P3380612	5,7245	5,97481	-1,189462674	ENST00000412328	3339	NM_005529	HSPG2
A_22_P00011022	2,59585	2,84621	-1,189503898	ENST00000448740	N/A	AK093256	N/A
A_33_P3315342	4,53553	4,7859	-1,189512143	ENST00000441785	128272	NM_153213	ARHGEF19
A_22_P00018981	1,80087	2,05125	-1,189520389	N/A	N/A	N/A	Inc-CYP11B1-1
A_33_P8921834	2,0618	2,31233	-1,189644072	N/A	N/A	XM_005264708	Inc-ACP1-7
A_22_P00014366	5,77773	6,02827	-1,189652318	N/A	100506428	NR_038894	CBR3-AS1
A_21_P0012800	1,50135	1,752	-1,189743028	ENST00000513895	641365	N/A	LINC00616
A_33_P3424577	7,95466	8,20532	-1,189751275	ENST00000613594	N/A	A23747	N/A
A_21_P0012262	1,87484	2,12554	-1,189784262	ENST00000433457	N/A	N/A	N/A
A_33_P3356230	1,63857	1,88938	-1,189874982	ENST00000327925	339184	NM_001004306	CCDC144NL
A_33_P3860067	4,19115	4,442	-1,189907973	ENST00000439423	N/A	BC009388	N/A
A_22_P00024925	2,84873	3,09958	-1,189907973	N/A	101410540	NR_102707	FANK1-AS1
A_22_P00023662	3,8303	4,08125	-1,189990454	ENST00000445585	N/A	N/A	N/A
A_33_P3390678	1,64935	1,90031	-1,189998702	N/A	N/A	N/A	N/A
A_33_P3314643	5,45521	5,7063	-1,190105937	ENST00000463490	25876	NM_015417	SPEF1
A_22_P00008793	1,78689	2,03803	-1,190147183	ENST00000426090	N/A	N/A	N/A
A_21_P0007178	1,5029	1,75409	-1,190188431	N/A	N/A	N/A	Inc-PDE3B-1
A_23_P390596	11,4817	11,7329	-1,190196681	ENST00000291041	5681	NM_006742	PSKH1
A_21_P0005725	1,58402	1,83523	-1,190204931	N/A	N/A	N/A	Inc-HNF4G-1
A_22_P00023649	1,59668	1,84795	-1,190254431	ENST00000441665	N/A	N/A	N/A
A_21_P0007058	1,43868	1,68996	-1,190262682	N/A	N/A	N/A	Inc-C10orf136-1
A_33_P3229239	5,59341	5,8447	-1,190270932	ENST00000369167	440689	N/A	HIST2H2BF
A_21_P0014003	6,80717	7,05847	-1,190279182	ENST00000521821	667	N/A	DST
A_23_P73721	5,94737	6,1987	-1,190303934	ENST00000262850	10325	NM_016656	RRAGB
A_21_P0002976	7,22782	7,47922	-1,190361689	N/A	N/A	N/A	Inc-GPR27-2

A_33_P3403153	1,4976	1,74902	-1,190378191	ENST00000393975	114898	NM_031908	C1QTNF2
A_22_P00015604	3,49705	3,74853	-1,190427698	N/A	N/A	N/A	Inc-STYX-2
A_23_P92754	5,31311	5,5646	-1,19043595	ENST00000502906	2264	NM_213647	FGFR4
A_23_P204967	10,0065	10,258	-1,190444201	ENST00000361479	54737	NM_017520	MPHOSPH8
A_23_P131588	1,50666	1,75816	-1,190444201	ENST00000295379	27302	NM_014482	BMP10
A_24_P128524	5,6137	5,86521	-1,190452453	ENST00000343813	23463	NM_012405	ICMT
A_22_P00017153	1,81516	2,0667	-1,190477208	ENST00000423667	N/A	N/A	N/A
A_22_P00005762	1,66482	1,91649	-1,190584486	N/A	N/A	N/A	Inc-ENO3-1
A_22_P00002601	1,55261	1,80436	-1,190650507	N/A	N/A	N/A	Inc-C1QBP-1
A_33_P3227666	9,03254	9,28432	-1,190675267	ENST00000312916	55109	NM_018046	AGGF1
A_21_P0002228	4,4586	4,71043	-1,190716533	N/A	N/A	N/A	Inc-CEP68-1
A_23_P98844	5,36849	5,62033	-1,190724786	ENST00000471370	115557	NM_182947	ARHGEF25
A_21_P0009724	3,96133	4,21318	-1,19073304	N/A	N/A	N/A	Inc-IGFL1-1
A_21_P0005876	1,82854	2,08041	-1,190749547	N/A	N/A	N/A	Inc-STK3-1
A_32_P67259	13,4986	13,7505	-1,190774308	ENST00000515467	6389	NM_004168	SDHA
A_21_P0006825	1,57548	1,8274	-1,190790816	ENST00000608526	439949	XR_428664	PRKCCQ-AS1
A_23_P11461	12,7346	12,9866	-1,190856849	ENST00000490555	7335	NM_001032288	UBE2V1
A_23_P132595	10,1964	10,4484	-1,190856849	ENST00000273038	9686	NM_014667	VGLL4
A_22_P00009098	7,73212	7,9842	-1,190922886	N/A	100885776	NR_047679	UGDH-AS1
A_23_P135990	3,78361	4,0357	-1,190931141	ENST00000310926	6578	NM_005630	SLCO2A1
A_24_P311856	4,36751	4,61963	-1,190955906	ENST00000489611	1297	NM_001851	COL9A1
A_23_P145555	1,58114	1,83332	-1,191005438	ENST00000274897	90523	NM_138569	MLIP
A_22_P00008437	1,54552	1,79771	-1,191013693	N/A	N/A	N/A	Inc-KAT7-4
A_33_P3294578	12,0347	12,2869	-1,191021949	ENST00000476635	5584	NM_002740	PRKCI
A_21_P0014659	4,77075	5,02299	-1,191054971	N/A	N/A	BU727401	N/A
A_24_P117942	8,89045	9,14284	-1,191178814	ENST00000557754	387990	NM_207377	TOMM20L
A_23_P46315	10,9252	11,1776	-1,191187071	ENST00000393277	163259	AK124287	DENND2C
A_21_P0000775	5,71432	5,96673	-1,191195327	N/A	100505975	N/A	ENO1-AS1
A_23_P66715	8,37075	8,62316	-1,191195327	ENST00000487231	94005	NM_033198	PIGS
A_33_P3228872	7,17979	7,43222	-1,191211841	ENST00000314594	27291	NM_001256619	R3HCC1L
A_23_P4074	1,53614	1,78866	-1,191286155	ENST00000396219	146845	NM_145054	CFAP52
A_21_P0014025	1,62221	1,87476	-1,191310927	N/A	N/A	U82306	N/A
A_33_P3361348	4,88196	5,13455	-1,191343958	ENST00000621574	246	NM_001140	ALOX15

A_24_P279797	7,69714	7,94981	-1,191410022	ENST00000319545	84245	NM_001031727	MRI1
A_21_P0007845	1,60101	1,85378	-1,191492607	ENST00000549914	102725316	XR_424397	LOC102725316
A_22_P00022723	3,30916	3,56199	-1,191542161	N/A	N/A	N/A	Inc-ALDH1A1-2
A_22_P00016333	4,55621	4,80907	-1,191566939	N/A	N/A	BX282506	Inc-TMEM159-2
A_23_P78762	4,54556	4,79844	-1,191583457	ENST00000263278	51171	NM_016246	HSD17B14
A_33_P3252359	9,48482	9,73776	-1,191633015	ENST00000392379	622	NM_203314	BDH1
A_33_P3373715	6,30481	6,55775	-1,191633015	N/A	N/A	N/A	N/A
A_33_P3266550	9,04506	9,29801	-1,191641275	ENST00000611156	28	NM_020469	ABO
A_21_P0010778	6,35076	6,60374	-1,191666054	N/A	N/A	N/A	XLOC_I2_001134
A_21_P0006494	3,40632	3,65931	-1,191674314	N/A	N/A	N/A	Inc-ZNF673-2
A_23_P27734	4,80005	5,05305	-1,191682575	ENST00000449844	4861	NM_002517	NPAS1
A_23_P256504	2,7386	2,99166	-1,191732136	ENST00000265132	259	NM_001633	AMBP
A_22_P00009727	1,51484	1,76792	-1,191748657	ENST00000556030	101927153	NR_120321	LOC101927153
A_21_P0014458	5,55719	5,81027	-1,191748657	N/A	N/A	AK096487	N/A
A_21_P0001754	1,65719	1,91036	-1,191823005	N/A	N/A	N/A	Inc-TMEM206-1
A_23_P170839	12,3534	12,6066	-1,191847788	ENST00000391973	4735	NM_001008491	set-02
A_22_P00006942	5,55462	5,80785	-1,191872572	N/A	400761	NR_033981	FLJ27354
A_33_P3228305	8,86194	9,11521	-1,191905619	ENST00000378004	23092	NM_015071	ARHGAP26
A_23_P162702	9,14319	9,39646	-1,191905619	ENST00000550722	283450	NM_001109662	HECTD4
A_22_P00002995	4,69359	4,94689	-1,191930404	N/A	N/A	AL832252	Inc-C6orf221-2
A_33_P3400823	3,02403	3,27741	-1,1919965	ENST00000371980	541468	NM_001013615	LURAP1
A_24_P362881	1,54433	1,79778	-1,192054338	ENST00000264538	55081	NM_018010	IFT57
A_33_P3337044	11,8675	12,121	-1,192095652	ENST00000371897	11182	NM_017585	SLC2A6
A_33_P3352941	5,85697	6,11048	-1,192103915	N/A	692224	NR_003136	FBXO22-AS1
A_21_P0013952	7,77116	8,0247	-1,192128704	ENST00000580155	146713	NM_001082575	RBFOX3
A_21_P0006770	2,08673	2,34029	-1,192145231	ENST00000427247	N/A	N/A	N/A
A_23_P337849	3,2336	3,48727	-1,192236131	ENST00000420342	11189	NM_007185	CELF3
A_22_P00016519	1,46278	1,71649	-1,192269187	N/A	100874326	NR_046774	DSCAM-IT1
A_22_P00010972	6,51176	6,76548	-1,192277451	N/A	N/A	N/A	Inc-NRIP2-1
A_21_P0003649	1,52454	1,77837	-1,192368361	N/A	N/A	N/A	Inc-SPRY1-1
A_23_P33984	7,11424	7,36807	-1,192368361	ENST00000380342	57393	NM_020665	TMEM27
A_32_P158083	1,5212	1,77504	-1,192376626	N/A	375612	NM_199000	LHFPL3
A_24_P178175	6,95668	7,21067	-1,192500607	ENST00000453783	2678	NM_001288833	GGT1



A_22_P00008689	1,87925	2,13325	-1,192508872	N/A	N/A	N/A	Inc-KIAA1147-2
A_21_P0009769	1,53205	1,78612	-1,192566735	ENST00000588094	342908	N/A	ZNF404
A_22_P00010077	4,99256	5,24664	-1,192575001	N/A	N/A	N/A	Inc-MPHOSPH8-3
A_22_P00014843	5,93138	6,18546	-1,192575001	ENST00000550684	N/A	DB161231	N/A
A_32_P25437	8,22119	8,47528	-1,192583267	ENST00000262461	6558	NM_001046	SLC12A2
A_24_P307626	10,0893	10,3434	-1,192591534	ENST00000477338	480	NM_144699	ATP1A4
A_33_P3372426	1,58868	1,84281	-1,192616333	ENST00000284987	11096	NM_007038	ADAMTS5
A_23_P32021	8,76847	9,02261	-1,1926246	ENST00000375305	2176	NM_000136	FANCC
A_22_P00009854	1,49218	1,74632	-1,1926246	N/A	N/A	AF339825	Inc-METTTL21C-1
A_22_P00006477	4,24878	4,50296	-1,192657667	N/A	100506994	NR_038283	PTPRG-AS1
A_33_P3357964	4,34441	4,59862	-1,192682468	N/A	5170	AF111845	PDPK1
A_33_P3223088	5,48285	5,73711	-1,192723804	ENST00000409374	9801	XR_427001	MRPL19
A_21_P0011060	1,61233	1,8666	-1,192732071	N/A	N/A	N/A	XLOC_I2_003073
A_22_P00003254	3,23946	3,49384	-1,192823016	ENST00000575202	N/A	N/A	N/A
A_22_P00005527	3,26813	3,52262	-1,192913967	N/A	N/A	AK091810	Inc-ECHDC3-2
A_33_P3246995	14,195	14,4495	-1,192922236	ENST00000455434	N/A	N/A	N/A
A_33_P3266396	13,2737	13,5283	-1,193004926	ENST00000343938	80772	NM_001029885	CPTP
A_33_P3371381	1,77833	2,03293	-1,193004926	ENST00000506596	728780	N/A	ANKDD1B
A_33_P3415032	2,11144	2,36604	-1,193004926	ENST00000369769	3738	NM_002232	KCNA3
A_21_P0001324	1,55549	1,81011	-1,193021465	ENST00000436742	149047	N/A	MGC27382
A_33_P3410449	4,80581	5,06043	-1,193021465	ENST00000623402	91179	NM_153334	SCARF2
A_21_P0000689	1,4945	1,74919	-1,193079352	ENST00000445785	100359394	N/A	LINC00102
A_21_P0008246	1,46333	1,71811	-1,193153782	ENST00000620494	N/A	N/A	N/A
A_33_P3399733	3,72751	3,98235	-1,193203405	N/A	N/A	BC101193	Inc-CDS1-2
A_33_P3369663	9,29577	9,55061	-1,193203405	ENST00000450538	23353	NM_001171945	SUN1
A_23_P103442	11,4271	11,682	-1,19325303	ENST00000487788	64769	NM_022756	MEAF6
A_23_P204791	1,65758	1,9125	-1,193269572	ENST00000618760	4842	NM_000620	NOS1
A_22_P00025496	3,12196	3,37691	-1,193294386	N/A	N/A	BG206007	Inc-ZSWIM2-5
A_19_P00319963	3,19514	3,45012	-1,1933192	ENST00000455005	101929683	XR_242023	LOC101929683
A_33_P3289251	9,98519	10,2402	-1,193344015	N/A	644727	AK095971	LOC644727
A_23_P55961	1,83515	2,09023	-1,193401917	ENST00000221399	7288	NM_003323	TULP2
A_33_P3405285	13,3882	13,6433	-1,193418462	ENST00000229465	83445	NM_001080554	GSG1
A_33_P3411885	7,25507	7,51025	-1,193484641	N/A	100128851	AK127423	LOC100128851

A_23_P6596	8,42336	8,67855	-1,193492913	ENST00000476918	3280	NM_005524	HES1
A_23_P130064	12,5026	12,7578	-1,193501186	ENST00000428788	11267	NM_007241	SNF8
A_23_P61810	10,2955	10,5508	-1,193583916	N/A	10458	NM_017450	BAIAP2
A_21_P0004853	4,25584	4,51115	-1,193592189	N/A	N/A	N/A	Inc-NRSN1-3
A_22_P00019430	1,50243	1,75781	-1,193650104	ENST00000534666	N/A	DB249866	N/A
A_23_P111005	12,4993	12,7547	-1,193666652	ENST00000510102	25844	NM_015388	YIPF3
A_21_P0000867	12,5473	12,8029	-1,193832141	N/A	100131117	NR_038993	ZBTB20-AS1
A_33_P3423631	7,88425	8,13986	-1,193840416	ENST00000420906	7468	NM_007331	WHSC1
A_22_P00017747	1,55589	1,81154	-1,193873516	N/A	N/A	N/A	Inc-YES1-2
A_21_P0010972	1,88946	2,14514	-1,193898343	N/A	100507261	XR_109044	MIR670HG
A_23_P68899	11,8382	12,0939	-1,193914894	ENST00000403313	25828	NM_012473	TXN2
A_19_P00320144	1,68732	1,94309	-1,193972824	N/A	N/A	N/A	Inc-RP3-368B9.1.1-1
A_21_P0014850	2,17816	2,43393	-1,193972824	N/A	N/A	N/A	N/A
A_21_P0007209	1,66285	1,91864	-1,193989376	N/A	N/A	N/A	Inc-CTD-2210P24.4.1-1
A_22_P00004476	3,24631	3,50226	-1,194121801	N/A	N/A	AK094838	Inc-CPM-1
A_22_P00003381	3,56129	3,81739	-1,194245963	ENST00000580057	N/A	BG182041	N/A
A_23_P109269	12,6235	12,8796	-1,194245963	ENST00000495695	3911	NM_005560	LAMA5
A_23_P357794	7,86655	8,12269	-1,194279075	ENST00000305949	27085	NM_022045	MTBP
A_24_P369694	10,4403	10,6965	-1,194328745	ENST00000556218	5527	NM_178587	PPP2R5C
A_33_P3330404	5,85635	6,11262	-1,194386695	ENST00000538490	399888	NM_001164379	FAM180B
A_23_P30913	3,71783	3,97412	-1,194403253	ENST00000511285	3113	NM_033554	HLA-DPA1
A_24_P910733	10,6457	10,902	-1,194411532	ENST00000392456	152137	NM_178335	CCDC50
A_33_P3289207	7,77413	8,03045	-1,19442809	N/A	22848	BC090950	AAK1
A_23_P325726	6,51944	6,77579	-1,194452928	ENST00000481208	26027	NM_015547	ACOT11
A_21_P0001893	2,76129	3,01765	-1,194461207	ENST00000452037	N/A	N/A	N/A
A_33_P3248982	3,88464	4,14103	-1,194486046	ENST00000320634	23017	NM_012306	FAIM2
A_24_P35478	8,43335	8,68975	-1,194494325	ENST00000374789	56288	NM_019619	PARD3
A_33_P3214056	12,5996	12,8562	-1,194659929	ENST00000443018	57234	NR_111952	LINC00869
A_22_P00015150	1,65826	1,9149	-1,194693052	ENST00000430078	401281	N/A	FLJ27255
A_33_P3253960	5,34318	5,59988	-1,194742739	ENST00000610443	79154	AB209247	DHRS11
A_23_P123672	10,5833	10,84	-1,194742739	ENST00000355295	23424	NM_014290	TDRD7
A_21_P0000400	1,49952	1,75625	-1,194767583	N/A	767579	NR_003195	SNORD114-3
A_32_P701268	1,64239	1,89913	-1,194775865	ENST00000474524	116931	NM_053002	MED12L

A_33_P3451157	13,7472	14,004	-1,194825555	N/A	N/A	AK054980	N/A
A_23_P63379	6,86083	7,1177	-1,19488353	ENST00000369111	23632	NM_012113	CA14
A_23_P171255	10,8736	11,1305	-1,194908377	ENST00000583666	3476	NM_001551	IGBP1
A_24_P376309	11,134	11,3909	-1,194908377	ENST00000612501	84687	NM_032595	PPP1R9B
A_22_P00012883	5,3565	5,61342	-1,194924942	N/A	N/A	BC048201	Inc-RBM11-2
A_24_P65121	3,62447	3,88141	-1,194941508	ENST00000394135	64927	NM_001288615	TTC23
A_23_P53724	7,10809	7,36503	-1,194941508	ENST00000266546	9746	NM_014718	CLSTN3
A_22_P00000239	1,69922	1,9562	-1,194974639	N/A	N/A	N/A	Inc-AC006035.2-5
A_22_P00000675	1,62608	1,88307	-1,194982922	ENST00000414967	N/A	N/A	N/A
A_22_P00015665	1,50252	1,75952	-1,194991205	N/A	N/A	BG396090	Inc-SYCE1L-1
A_21_P0006297	4,15781	4,41483	-1,195007771	ENST00000474602	8555	N/A	CDC14B
A_22_P00022469	1,43125	1,68831	-1,195040904	N/A	N/A	N/A	Inc-RPIA-3
A_24_P605081	4,92222	5,17932	-1,195074038	N/A	253039	NR_024408	PSMD5-AS1
A_21_P0008534	1,54429	1,80147	-1,195140309	N/A	N/A	N/A	Inc-TXNDC16-1
A_32_P114574	11,6121	11,8693	-1,195156877	ENST00000367679	27101	NM_014412	CACYBP
A_33_P3372104	4,82943	5,08669	-1,195206584	N/A	N/A	N/A	N/A
A_21_P0007179	2,06563	2,32298	-1,195281147	N/A	N/A	N/A	Inc-INSC-2
A_33_P3381410	6,93092	7,18839	-1,195380572	ENST00000410039	4999	NM_006190	ORC2
A_23_P88817	8,17848	8,43596	-1,195388857	ENST00000569024	23417	NM_012213	MLYCD
A_22_P00005332	10,6013	10,8588	-1,195405429	N/A	N/A	N/A	Inc-DOLPP1-1
A_21_P0001803	4,49679	4,75431	-1,195422001	ENST00000413842	N/A	N/A	N/A
A_23_P371129	8,34429	8,60182	-1,195430287	ENST00000294008	84464	NM_032444	SLX4
A_22_P00011839	1,36217	1,61973	-1,195455146	ENST00000565451	101927132	NR_110650	LOC101927132
A_21_P0004960	1,86146	2,11903	-1,195463432	N/A	N/A	N/A	Inc-CLDN20-3
A_23_P108708	13,2943	13,5519	-1,195488291	ENST00000461845	51255	NM_016494	RNF181
A_22_P00005381	6,01126	6,26889	-1,195513151	N/A	N/A	N/A	Inc-DRGX-1
A_23_P314798	5,67879	5,93645	-1,195538011	ENST00000498036	127579	NM_144622	DCST2
A_22_P00005562	7,6085	7,86619	-1,195562872	N/A	101927167	NR_125398	GATA2-AS1
A_24_P115199	10,9038	11,1615	-1,195571159	ENST00000328914	221937	NM_001037165	FOXK1
A_33_P3359253	2,79529	3,05302	-1,19559602	ENST00000376655	10459	N/A	MAD2L2
A_24_P289404	16,236	16,4938	-1,195654032	ENST00000447425	6231	NM_001029	RPS26
A_21_P0000497	5,44555	5,70337	-1,195670608	N/A	677849	NR_004396	SNORD1B
A_23_P56787	2,66152	2,91937	-1,195695471	ENST00000431078	129684	NM_130773	CNTNAP5

A_32_P45738	13,9549	14,2128	-1,195736912	ENST00000334828	5223	NM_002629	PGAM1
A_22_P00013859	2,86684	3,12483	-1,195811508	ENST00000558309	145837	N/A	LOC145837
A_33_P3306048	6,44253	6,70055	-1,195836374	N/A	503645	NR_002221	DPRXP4
A_33_P3295108	8,91905	9,17707	-1,195836374	ENST00000318010	2595	NM_198141	GANC
A_33_P3306442	2,60475	2,86278	-1,195844663	ENST00000524722	84074	XM_005257728	QRICH2
A_22_P00019651	3,66457	3,92264	-1,195877782	ENST00000424592	N/A	N/A	N/A
A_22_P00019508	1,56088	1,81899	-1,195910977	ENST00000507849	N/A	N/A	N/A
A_23_P502882	9,81249	10,0706	-1,195910977	ENST00000346541	9139	NM_005093	CBFA2T2
A_21_P0014309	3,19263	3,45082	-1,195977294	ENST00000553080	197335	AK093609	WDR90
A_33_P3299487	4,97429	5,23257	-1,196051905	ENST00000374207	55057	NM_001039775	AIM1L
A_23_P90143	18,2177	18,476	-1,196068486	ENST00000474171	23521	NM_012423	RPL13A
A_21_P0007908	3,40031	3,65862	-1,196076777	ENST00000443778	100506697	NR_038995	LINC00327
A_23_P329870	11,1838	11,4422	-1,196151394	ENST00000313080	79651	NM_024599	RHBDF2
A_33_P3783235	6,15136	6,40979	-1,196176268	ENST00000607837	N/A	AK095104	N/A
A_23_P309989	6,0573	6,31575	-1,196192851	ENST00000247178	22863	NM_014924	ATG14
A_21_P0004787	3,12877	3,38726	-1,196226017	ENST00000422023	N/A	N/A	N/A
A_33_P3385957	5,98607	6,24461	-1,196267475	ENST00000440761	25809	NM_012263	TTLL1
A_23_P41437	9,86035	10,1189	-1,196275767	ENST00000510755	55325	NM_018359	UFSP2
A_23_P151150	10,4277	10,6863	-1,196317228	ENST00000359843	2305	NM_202002	FOXMI
A_21_P0009375	4,79979	5,05845	-1,196366982	N/A	N/A	N/A	Inc-CYB5D2-1
A_19_P00322017	1,69389	1,95256	-1,196375275	ENST00000450205	100126693	N/A	LINC00322
A_22_P00015514	1,45764	1,71641	-1,196458204	N/A	101929294	NR_125808	LOC101929294
A_33_P3383034	11,5262	11,785	-1,196483084	ENST00000246548	10054	NM_005499	UBA2
A_24_P273143	12,6741	12,9329	-1,196483084	ENST00000455131	112597	NR_024204	LINC00152
A_33_P3376954	4,11899	4,3778	-1,196491377	N/A	N/A	N/A	XLOC_I2_001648
A_33_P3288484	6,14373	6,40254	-1,196491377	ENST00000523377	57226	NM_020466	LYRM2
A_21_P0011457	4,42769	4,68651	-1,196499671	N/A	N/A	N/A	XLOC_I2_005403
A_23_P92860	10,4455	10,7044	-1,196566021	ENST00000501463	10309	NM_021147	CCNO
A_23_P216118	1,52617	1,78515	-1,196632374	ENST00000453357	137970	NM_080872	UNC5D
A_33_P3859897	1,56387	1,8229	-1,196673847	N/A	N/A	AK098828	Inc-KBTBD5-2
A_23_P124642	4,92638	5,18541	-1,196673847	ENST00000539159	10125	NM_005739	RASGRP1
A_19_P00322109	7,07139	7,33044	-1,196690437	N/A	401320	NR_038889	LOC401320
A_32_P183765	2,85576	3,11483	-1,196707026	ENST00000436443	2066	NM_005235	ERBB4

A_23_P18267	10,0847	10,3438	-1,196731911	ENST00000479512	10641	NM_006545	NPRL2
A_22_P00019724	1,47612	1,73525	-1,196756797	ENST00000456537	N/A	N/A	N/A
A_23_P138693	5,95082	6,20997	-1,196773388	ENST00000378150	9397	NM_004808	NMT2
A_22_P00025891	2,96267	3,22182	-1,196773388	ENST00000428426	N/A	XR_243988	N/A
A_23_P169873	3,69845	3,95765	-1,196814866	ENST00000451043	7221	N/A	TRPC2
A_22_P00004590	10,5709	10,8301	-1,196814866	N/A	N/A	N/A	Inc-CS-1
A_33_P3424694	3,77481	4,03405	-1,196848049	N/A	N/A	N/A	XLOC_I2_000407
A_22_P00024775	3,53047	3,78971	-1,196848049	N/A	N/A	U04815	Inc-S100A1-2
A_21_P0008208	3,06553	3,32477	-1,196848049	N/A	N/A	N/A	Inc-EFNB2-5
A_23_P368740	7,22512	7,48443	-1,196906122	ENST00000497036	83933	NM_032019	HDAC10
A_19_P00800555	12,1309	12,3903	-1,196980791	N/A	N/A	N/A	Inc-UQCRFS1-7
A_33_P3278362	5,06408	5,32351	-1,197005682	ENST00000307518	26287	NM_001291218	ANKRD2
A_21_P0004151	1,64574	1,90517	-1,197005682	ENST00000508719	N/A	N/A	N/A
A_24_P310894	13,6644	13,9239	-1,197063762	ENST00000263168	829	NM_006135	CAPZA1
A_23_P21033	13,3307	13,5902	-1,197063762	ENST00000514075	8833	NM_003875	GMPS
A_21_P0001467	6,87733	7,13685	-1,197080357	N/A	N/A	N/A	Inc-MAD2L2-1
A_33_P3235184	8,09144	8,35103	-1,197138441	ENST00000424673	N/A	N/A	N/A
A_33_P3331346	11,4837	11,7433	-1,197146739	ENST00000269383	201292	NM_173547	TRIM65
A_23_P251132	1,49862	1,75825	-1,197171633	ENST00000308624	54221	NM_018968	SNTG2
A_33_P3414903	11,8201	12,0798	-1,197229722	ENST00000463899	80896	BC034966	NPL
A_33_P3279654	1,62314	1,88288	-1,197262917	ENST00000611759	401024	NM_173651	FSIP2
A_33_P3278347	8,55991	8,81974	-1,197337608	N/A	114041	NR_026542	B3GALT5-AS1
A_22_P00008302	4,75985	5,01972	-1,197370806	N/A	N/A	BX337828	Inc-ITGAL-1
A_33_P3379356	1,83713	2,09701	-1,197379105	ENST00000482101	2099	NM_001122742	ESR1
A_23_P155376	10,6906	10,9506	-1,197478705	ENST00000397170	78987	NM_015513	CRELD1
A_32_P98072	5,25636	5,51636	-1,197478705	ENST00000368804	7062	NM_007113	TCHH
A_33_P3227798	1,58438	1,8444	-1,197495305	ENST00000379677	N/A	AK124439	N/A
A_21_P0009931	1,54399	1,80402	-1,197503606	ENST00000587737	N/A	N/A	N/A
A_22_P00025441	5,27806	5,53809	-1,197503606	N/A	N/A	BC070093	Inc-ANKRD42-2
A_23_P134433	13,2695	13,5296	-1,19756171	ENST00000297375	2020	NM_001427	EN2
A_23_P69437	11,7202	11,9803	-1,19756171	ENST00000472593	55689	NM_018023	YEATS2
A_22_P00008938	1,5004	1,76051	-1,197570011	ENST00000547538	N/A	N/A	N/A
A_22_P00015833	1,63821	1,8984	-1,197636421	ENST00000360528	N/A	N/A	N/A

A_21_P0000562	1,9374	2,19761	-1,197653023	N/A	100302740	NR_028371	FAS-AS1
A_33_P3288659	4,42387	4,68409	-1,197661325	ENST00000617065	81569	NM_030812	ACTL8
A_33_P3372288	2,35985	2,62009	-1,197677928	ENST00000334937	347344	BC039609	ZNF81
A_33_P3525377	1,47388	1,73415	-1,197702833	N/A	N/A	AK123125	Inc-PDE6B-1
A_33_P3381762	8,94917	9,20946	-1,197719437	N/A	N/A	N/A	N/A
A_33_P3402868	4,50871	4,76901	-1,197727739	ENST00000263269	2906	NM_000836	GRIN2D
A_33_P3231242	12,5419	12,8022	-1,197727739	ENST00000440229	N/A	N/A	N/A
A_33_P3395883	11,0425	11,3028	-1,197727739	N/A	N/A	N/A	N/A
A_22_P00000402	1,53965	1,79996	-1,197736041	N/A	N/A	N/A	Inc-AC027763.2.1-2
A_33_P3228252	12,7385	12,9989	-1,197810762	N/A	N/A	DA666023	N/A
A_33_P3319920	11,3418	11,6022	-1,197810762	ENST00000611640	23030	NM_015015	KDM4B
A_22_P00017471	3,83502	4,09546	-1,197843973	N/A	100996654	NR_110040	LOC100996654
A_22_P00018437	8,45795	8,7184	-1,197852276	ENST00000512245	N/A	N/A	N/A
A_22_P00022512	4,32281	4,58332	-1,197902094	N/A	N/A	XM_006723874	Inc-OPRL1-1
A_23_P39813	7,48845	7,74898	-1,197918701	ENST00000489152	64427	NM_022492	TTC31
A_33_P3422247	1,79869	2,05925	-1,197943611	ENST00000618286	363	NM_001652	AQP6
A_19_P00316985	4,32598	4,58657	-1,197968522	ENST00000421704	79940	NR_121612	LINC00472
A_23_P15705	14,1664	14,427	-1,197976826	ENST00000571309	5694	NM_002798	PSMB6
A_24_P276791	9,75872	10,0196	-1,198209353	ENST00000444987	115353	NM_052940	LRRC42
A_33_P3384562	10,9891	11,25	-1,198225964	ENST00000355572	9260	NM_213636	PDLIM7
A_24_P401870	2,40277	2,66367	-1,198225964	ENST00000314330	401563	NM_207511	C9orf139
A_23_P73420	8,4983	8,75921	-1,198234269	ENST00000389328	83696	NM_031466	TRAPPC9
A_21_P0005185	3,10131	3,36224	-1,19825088	N/A	401287	XR_428063	LOC401287
A_23_P390958	3,0143	3,27524	-1,198259186	ENST00000526308	54660	AF217743	PCDHB18P
A_23_P73114	5,34826	5,60923	-1,198284103	ENST00000394236	5627	NM_000313	PROS1
A_22_P00021523	5,08592	5,34689	-1,198284103	ENST00000580326	N/A	BX119021	N/A
A_23_P77048	12,8262	13,0872	-1,198309021	ENST00000359232	123096	NM_001039355	SLC25A29
A_32_P194115	8,53614	8,79718	-1,198342246	ENST00000406622	25777	NM_015374	SUN2
A_33_P3296313	1,52207	1,78315	-1,198375472	N/A	N/A	N/A	N/A
A_22_P00005605	1,55491	1,81603	-1,198408698	N/A	729723	NR_034113	DNAJC27-AS1
A_33_P3224380	11,4296	11,6908	-1,198475154	ENST00000392381	1739	NM_001098424	DLG1
A_32_P57728	12,0694	12,3306	-1,198475154	N/A	5379	NR_003613	PMS2P1
A_24_P181422	8,77538	9,03674	-1,198608076	ENST00000415968	117155	NM_054020	CATSPER2

A_33_P3388391	12,2596	12,521	-1,198641309	ENST00000339480	127534	NM_153212	GJB4
A_33_P3265111	1,9259	2,18736	-1,19869116	ENST00000591008	284424	NR_027148	MIR7-3HG
A_23_P337726	17,3671	17,6286	-1,198724396	ENST00000361899	4508	AK131288	ATP6
A_33_P3327799	13,1475	13,409	-1,198724396	ENST00000584430	N/A	N/A	N/A
A_23_P118246	10,7468	11,0083	-1,198724396	ENST00000253462	51659	NM_016095	GIN52
A_22_P00012339	3,92745	4,18899	-1,198757632	N/A	N/A	N/A	Inc-PRDM13-4
A_22_P00018321	4,33368	4,59531	-1,198832416	ENST00000620923	23145	NM_198455	SSPO
A_21_P0006869	1,50613	1,7678	-1,198865656	N/A	102724306	XR_424117	LOC102724306
A_21_P0000263	8,92865	9,19038	-1,198915516	ENST00000584056	619505	NR_002576	SNORA21
A_23_P369666	8,49065	8,75252	-1,199031865	ENST00000468376	23613	AL137703	ZMYND8
A_23_P10206	6,60188	6,86376	-1,199040176	ENST00000303924	3037	NM_005328	HAS2
A_23_P149992	12,6249	12,8868	-1,199056799	ENST00000490391	9124	NM_020992	PDLIM1
A_32_P187599	13,8055	14,0674	-1,199056799	ENST00000510079	26135	NM_001018067	SERBP1
A_33_P3214874	12,8443	13,1062	-1,199056799	ENST00000373625	23633	NM_012316	KPNA6
A_21_P0010789	4,29485	4,55676	-1,19906511	ENST00000429227	N/A	N/A	N/A
A_23_P250358	6,50882	6,77074	-1,199073421	ENST00000273960	55008	NM_017912	HERC6
A_33_P3414683	5,3935	5,65552	-1,199156538	ENST00000301332	90990	NM_145754	KIFC2
A_33_P3297345	3,56712	3,82917	-1,199181474	ENST00000368236	164118	NM_001105669	TTC24
A_21_P0012021	2,24956	2,51161	-1,199181474	N/A	N/A	N/A	Inc-AC114783.1.1-1
A_32_P205241	5,75217	6,01427	-1,199223035	ENST00000241125	2700	NM_021954	GJA3
A_23_P167444	12,9274	13,1895	-1,199223035	ENST00000457472	10412	NM_014886	NSA2
A_23_P337658	3,28036	3,54247	-1,199231347	ENST00000457560	248	NM_001631	ALPI
A_23_P24529	8,29312	8,55524	-1,19923966	ENST00000532163	55216	NM_018195	C11orf57
A_22_P00017768	3,91555	4,17768	-1,199247972	ENST00000567259	N/A	BC015673	N/A
A_33_P3251582	4,91786	5,18015	-1,19938098	ENST00000461945	55604	NM_001173977	LRRC16A
A_23_P24384	11,2874	11,5497	-1,199389294	ENST00000463837	283234	NM_032251	CCDC88B
A_33_P3573141	3,30533	3,5677	-1,19944749	ENST00000612143	N/A	N/A	N/A
A_33_P3274851	14,7501	15,0125	-1,199472432	ENST00000491989	1329	NM_001862	COX5B
A_22_P00018311	1,71752	1,97996	-1,199505689	N/A	N/A	N/A	Inc-ZNF85-1
A_32_P234738	15,368	15,6305	-1,199555576	ENST00000493317	6144	NM_000982	RPL21
A_21_P0013024	1,6556	1,91812	-1,199572206	ENST00000573382	101929726	XR_242025	LOC101929726
A_23_P354341	1,48152	1,74413	-1,199647041	ENST00000369288	11126	NM_007053	CD160
A_21_P0002276	5,29026	5,55287	-1,199647041	N/A	N/A	N/A	Inc-INSIG2-3

A_24_P79403	2,43233	2,69498	-1,199680303	ENST00000296029	5196	NM_002619	PF4
A_33_P3265744	3,13392	3,39667	-1,199763461	N/A	5733	NM_198715	PTGER3
A_33_P3325195	8,98305	9,24583	-1,19978841	N/A	22997	AB028953	IGSF9B
A_22_P00012821	1,59481	1,85762	-1,199813359	N/A	101927969	XR_249895	LOC101927969
A_22_P00021770	8,0782	8,34102	-1,199821675	N/A	N/A	AK000821	Inc-RHOC-1
A_33_P3335022	5,95248	6,21531	-1,199829992	ENST00000615794	57730	XM_006712662	ANKRD36B
A_23_P168357	1,60537	1,86825	-1,199871576	ENST00000011292	1357	BT007313	CPA1
A_24_P414332	8,02947	8,29236	-1,199879893	ENST00000307808	4299	NM_005935	AFF1
A_23_P26468	10,1537	10,4166	-1,19988821	ENST00000219551	9028	NM_001278720	RHBDL1
A_32_P80255	8,5081	8,77103	-1,199913161	ENST00000620157	1656	NM_001257191	DDX6
A_22_P00009610	7,77448	8,03741	-1,199913161	ENST00000582505	N/A	N/A	N/A
A_22_P00008923	3,97687	4,23981	-1,199921478	N/A	N/A	BC037882	Inc-KPNA4-1
A_33_P3403963	1,50794	1,77092	-1,199954747	ENST00000377602	338596	NM_001004470	ST8SIA6
A_24_P76358	12,0178	12,2808	-1,199971382	ENST00000398190	N/A	N/A	N/A
A_32_P57854	13,626	13,889	-1,199971382	ENST00000429985	100128731	NM_001134693	OST4
A_21_P0005814	4,0233	4,28634	-1,200004653	N/A	N/A	N/A	Inc-GSR-1
A_22_P00017667	6,49858	6,76162	-1,200004653	ENST00000524770	100508120	NR_046229	GMDS-AS1
A_22_P00024184	1,53494	1,79803	-1,200046243	ENST00000515692	N/A	N/A	N/A
A_23_P106906	13,1436	13,4067	-1,200054561	ENST00000345988	5493	NM_002705	PPL
A_33_P3412317	4,69974	4,96287	-1,200079516	N/A	N/A	N/A	N/A
A_24_P83808	11,8085	12,0717	-1,200137745	ENST00000518383	N/A	N/A	N/A
A_33_P3293169	6,86844	7,13167	-1,200162702	ENST00000528950	55626	NM_001300731	AMBRA1
A_21_P0001363	1,63262	1,89589	-1,200195978	N/A	N/A	N/A	Inc-UBL4B-1
A_33_P3280805	8,3824	8,64567	-1,200195978	ENST00000357063	4008	NM_015842	LMO7
A_23_P46639	1,51323	1,77652	-1,200212616	ENST00000361249	731	NM_000562	C8A
A_23_P60534	10,3829	10,6463	-1,200304131	ENST00000472723	27433	NM_130459	TOR2A
A_23_P95879	17,8808	18,1442	-1,200304131	ENST00000439590	6169	NM_000999	RPL38
A_22_P00001386	1,43237	1,69587	-1,200387333	ENST00000512900	N/A	N/A	N/A
A_23_P169437	12,5618	12,8253	-1,200387333	ENST00000373017	3934	NM_005564	LCN2
A_23_P206059	12,9743	13,2378	-1,200387333	ENST00000361188	9055	NM_003981	PRC1
A_21_P0010537	3,83685	4,10037	-1,200403974	ENST00000394662	400759	N/A	GBP1P1
A_22_P00019116	2,15357	2,41712	-1,200428936	ENST00000555460	N/A	N/A	N/A
A_23_P159125	14,7662	15,0298	-1,20047054	ENST00000450736	9121	NM_004695	SLC16A5



A_22_P00001918	1,49075	1,75435	-1,20047054	N/A	N/A	BC039302	Inc-BAI1-1
A_22_P00003413	1,55627	1,81996	-1,200545432	ENST00000439237	102725407	XR_425532	LOC102725407
A_21_P0008639	1,65289	1,91686	-1,200778458	N/A	N/A	N/A	Inc-C2CD4A-6
A_23_P201002	13,5203	13,7843	-1,200803427	ENST00000480686	55182	NM_018150	RNF220
A_23_P422724	12,081	12,345	-1,200803427	ENST00000306442	5480	NM_000943	PPIC
A_33_P3295009	6,26285	6,5269	-1,200845045	ENST00000432854	N/A	AB209486	Inc-AEBP1-1
A_33_P3659876	9,17369	9,43776	-1,200861692	ENST00000467785	54892	NM_001281932	NCAPG2
A_33_P3379956	1,52	1,78413	-1,200911636	ENST00000342355	N/A	AK126066	N/A
A_22_P00025175	6,84335	7,10749	-1,20091996	ENST00000427824	N/A	BC045184	N/A
A_33_P3418400	4,44862	4,7128	-1,200953257	ENST00000282185	83734	NM_001131028	ATG10
A_23_P106117	1,69677	1,96103	-1,201019854	ENST00000327720	4990	NM_007374	SIX6
A_33_P3315331	5,18049	5,44478	-1,201044828	ENST00000221818	79935	NM_024877	CNTD2
A_22_P00011282	2,02611	2,2904	-1,201044828	ENST00000527565	283299	NR_036678	LOC283299
A_33_P3311825	1,59276	1,85705	-1,201044828	ENST00000520457	93668	NR_026684	HPYR1
A_23_P45524	15,0401	15,3044	-1,201053154	ENST00000372635	27018	NM_014380	NGFRAP1
A_19_P00320498	1,6327	1,89702	-1,201069804	ENST00000418918	440823	NR_033319	MIAT
A_33_P3345643	7,53078	7,79517	-1,201128081	ENST00000522356	N/A	N/A	N/A
A_23_P65963	11,4201	11,6845	-1,201136407	ENST00000619034	51283	NM_016561	BFAR
A_22_P00007297	4,81172	5,07613	-1,201144733	N/A	N/A	N/A	Inc-GPR3-2
A_33_P3718152	2,54279	2,80727	-1,201203014	N/A	N/A	AK055876	Inc-ACOT1-3
A_33_P3399468	12,9101	13,1747	-1,201302931	N/A	100133182	XR_429801	LOC100133182
A_23_P204087	8,68887	8,95352	-1,201344566	ENST00000620097	4939	NM_016817	OAS2
A_24_P74981	9,91397	10,1787	-1,201411185	ENST00000356634	23028	NM_015013	KDM1A
A_21_P0011194	1,52154	1,78627	-1,201411185	N/A	N/A	N/A	XLOC_I2_004115
A_33_P3243622	8,05125	8,31607	-1,201486135	ENST00000407642	50717	NM_015726	DCAF8
A_22_P00013112	5,22438	5,48937	-1,20162772	ENST00000433761	N/A	N/A	N/A
A_33_P3301040	4,35599	4,62103	-1,201669366	ENST00000357759	11148	NM_001282558	HHLA2
A_33_P3375646	5,83194	6,097	-1,201686025	N/A	8225	AK296003	GTPBP6
A_21_P0006135	5,55489	5,82006	-1,201777653	N/A	N/A	N/A	Inc-IFNK-1
A_22_P00010173	10,4876	10,7528	-1,201802643	N/A	100505641	NR_046251	FGD5-AS1
A_32_P16315	4,36729	4,6325	-1,201810973	ENST00000568584	347688	N/A	TUBB8
A_22_P00008239	8,28036	8,54568	-1,20190261	N/A	N/A	N/A	Inc-IRF2BP2-3
A_22_P00006889	1,56925	1,8346	-1,201927604	N/A	N/A	BX102312	Inc-GANC-1

A_33_P3215347	2,09423	2,3596	-1,201944266	ENST00000601863	100996662	XR_246623	LOC100996662
A_22_P00016413	2,44447	2,70985	-1,201952597	ENST00000467017	N/A	N/A	N/A
A_23_P23443	13,5707	13,8361	-1,20196926	ENST00000375980	79180	NM_024329	EFHD2
A_33_P3373343	1,62701	1,89241	-1,20196926	ENST00000381130	347527	NM_001011719	ARSH
A_22_P00014873	1,48495	1,75036	-1,201977591	N/A	N/A	N/A	Inc-SLC6A12-6
A_24_P117323	6,64326	6,90869	-1,201994254	ENST00000328879	84861	NM_032775	KLHL22
A_22_P00009322	4,66093	4,92638	-1,202010918	N/A	N/A	N/A	Inc-LRRC57-1
A_32_P385587	4,21339	4,47887	-1,202035913	ENST00000330807	212	NM_000032	ALAS2
A_23_P144877	11,7745	12,04	-1,202052577	ENST00000313115	475	NM_004045	ATOX1
A_21_P0011663	2,34553	2,61106	-1,202077573	ENST00000582578	220158	N/A	GTSCR1
A_22_P00011649	1,70187	1,96751	-1,202169231	ENST00000415991	N/A	N/A	N/A
A_33_P3400147	2,9202	3,1859	-1,202219228	ENST00000497878	79816	NM_001143986	TLE6
A_32_P163858	10,8591	11,1248	-1,202219228	ENST00000578585	6319	NM_005063	SCD
A_23_P386384	1,50168	1,76747	-1,202294229	ENST00000488027	127795	NM_152377	C1orf87
A_23_P43273	10,0748	10,3406	-1,202302563	ENST00000437196	2131	NM_000127	EXT1
A_23_P62659	14,8506	15,1164	-1,202302563	ENST00000433473	5538	NM_000310	PPT1
A_23_P420334	7,50535	7,77116	-1,202310897	ENST00000397766	161779	NM_152595	PGBD4
A_24_P130865	6,03226	6,29809	-1,202327564	ENST00000615775	23133	NM_015107	PHF8
A_24_P405960	4,0261	4,29196	-1,202352566	ENST00000624949	56124	NM_018932	PCDHB12
A_23_P108948	9,56108	9,82701	-1,202410906	ENST00000620139	55686	NM_018000	MREG
A_32_P395879	3,59311	3,8591	-1,202460914	ENST00000498725	203238	NM_173550	CCDC171
A_33_P3308456	8,63966	8,90574	-1,20253593	ENST00000422730	360205	NM_001282275	PRAC2
A_33_P3389912	1,48599	1,75212	-1,202577607	N/A	100130542	AK127083	LOC100130542
A_32_P82475	8,21405	8,48019	-1,202585943	N/A	283596	NR_003138	SNHG10
A_21_P0005445	1,48892	1,75508	-1,202602614	N/A	N/A	N/A	Inc-DPP6-3
A_21_P0009598	1,48374	1,74991	-1,20261095	N/A	N/A	N/A	Inc-LRRC30-3
A_33_P3355821	5,47808	5,74429	-1,202644294	N/A	10793	NM_021148	ZNF273
A_24_P826348	6,62575	6,89204	-1,202710985	ENST00000409871	376940	NM_198581	ZC3H6
A_33_P3334121	6,92248	7,18878	-1,202719321	N/A	N/A	N/A	N/A
A_33_P3277183	1,4997	1,766	-1,202719321	ENST00000475488	23145	AK127639	SSPO
A_21_P0008182	2,3033	2,56964	-1,202752668	N/A	101927176	NR_108076	LINC01069
A_24_P290927	5,9771	6,24345	-1,202761005	ENST00000441890	9898	NM_014847	UBAP2L
A_21_P0005268	1,60515	1,87163	-1,20286939	ENST00000565102	N/A	AK127874	N/A

A_23_P207850	14,6702	14,9367	-1,202886065	ENST00000254051	84951	NM_032865	TNS4
A_33_P3415843	6,55663	6,82314	-1,202894403	N/A	N/A	N/A	N/A
A_24_P366122	6,32647	6,59298	-1,202894403	ENST00000590289	79777	NM_024722	ACBD4
A_22_P00002171	3,90733	4,17384	-1,202894403	ENST00000527945	100506305	N/A	LINC00958
A_22_P00020772	1,70184	1,96841	-1,202944431	N/A	101928461	NR_125858	LOC101928461
A_33_P3270581	17,2454	17,512	-1,202969446	ENST00000491837	N/A	N/A	N/A
A_23_P156880	4,65658	4,92328	-1,203052832	ENST00000513998	5167	NM_006208	ENPP1
A_23_P5002	2,2805	2,54721	-1,203061171	ENST00000396857	11184	NM_001042600	MAP4K1
A_22_P00005219	3,60795	3,87472	-1,203111206	ENST00000556407	55384	NR_046466	MEG3
A_33_P3409672	7,3132	7,58007	-1,203194602	ENST00000448753	9681	NM_001242896	DEPDC5
A_23_P126393	11,7593	12,0262	-1,203219622	ENST00000271640	9869	NM_012432	SETDB1
A_21_P0014165	1,48357	1,75063	-1,203353071	N/A	100506379	XR_108671	LOC100506379
A_33_P3246068	12,6112	12,8783	-1,203386436	ENST00000368302	28956	NM_014017	LAMTOR2
A_33_P3449397	11,5163	11,7834	-1,203386436	ENST00000543235	56339	NM_019852	METTL3
A_21_P0002979	1,48362	1,75077	-1,203428142	N/A	N/A	N/A	Inc-FRG2C-4
A_23_P51853	7,98208	8,24929	-1,203478193	ENST00000374142	84243	NM_032283	ZDHHC18
A_33_P3244863	6,00886	6,27609	-1,203494876	ENST00000367607	9857	NM_014810	CEP350
A_22_P00006733	1,48003	1,7473	-1,203528245	ENST00000444210	N/A	N/A	N/A
A_21_P0006158	1,48164	1,74893	-1,203544929	N/A	N/A	N/A	Inc-GCNT1-2
A_32_P538017	4,44775	4,71509	-1,203586642	ENST00000335385	347853	NM_005995	TBX10
A_33_P3258581	7,47311	7,74049	-1,203620013	N/A	389791	NR_024425	PTGES2-AS1
A_24_P199929	5,84955	6,11693	-1,203620013	ENST00000416400	51542	NM_016516	VPS54
A_23_P388855	6,67595	6,94335	-1,203636699	ENST00000372724	23522	NM_012330	KAT6B
A_22_P00005962	1,5935	1,8609	-1,203636699	N/A	N/A	AA420872	Inc-EXTL3-3
A_24_P932016	8,46052	8,72799	-1,203695101	ENST00000218328	10075	NM_031407	HUWE1
A_33_P3340424	12,4121	12,6796	-1,203720131	N/A	N/A	N/A	N/A
A_23_P48713	9,29801	9,56553	-1,203736819	ENST00000556219	145482	NM_152444	PTGR2
A_33_P3276856	3,66067	3,92825	-1,203786882	ENST00000543639	54768	NM_001198542	HYDIN
A_33_P3243113	1,42048	1,68806	-1,203786882	ENST00000622160	64493	NR_024121	LINC00235
A_23_P18413	14,3022	14,5699	-1,203887014	ENST00000498399	51300	NM_016589	TIMMDC1
A_22_P00012038	9,58579	9,85362	-1,2039955	ENST00000324489	222166	NM_152793	MTURN
A_32_P41553	6,02686	6,29469	-1,2039955	ENST00000368253	128229	NM_144627	TSACC
A_33_P3359250	5,30302	5,57089	-1,204028882	ENST00000376664	10459	N/A	MAD2L2

A_23_P112478	9,12646	9,39434	-1,204037228	ENST00000379155	318	NM_001161	NUDT2
A_23_P331928	13,4427	13,7106	-1,20405392	ENST00000287097	135228	NM_133493	CD109
A_23_P87616	15,627	15,8949	-1,20405392	ENST00000549164	517	NM_001002031	ATP5G2
A_33_P3299314	12,2115	12,4794	-1,20405392	ENST00000344063	6158	NM_001136134	RPL28
A_21_P0001095	1,55728	1,8252	-1,204070612	ENST00000413887	N/A	N/A	N/A
A_22_P00012354	2,89011	3,15812	-1,204145728	N/A	N/A	N/A	Inc-PRDX6-1
A_23_P203841	9,60495	9,87299	-1,204170767	ENST00000551812	11176	NM_013449	BAZ2A
A_21_P0009985	2,94418	3,21223	-1,204179114	N/A	N/A	N/A	Inc-C20orf197-1
A_21_P0007287	3,08198	3,35027	-1,204379452	N/A	N/A	N/A	Inc-AP000679.2.1-1
A_22_P00008987	5,61284	5,88114	-1,204387801	N/A	101930114	XR_426894	LOC101930114
A_22_P00011127	1,45076	1,71907	-1,204396149	N/A	N/A	N/A	Inc-NUP160-1
A_22_P00001697	9,17934	9,44768	-1,204421194	ENST00000582557	440423	NR_024187	SUZ12P1
A_22_P00011983	7,33431	7,60267	-1,204437891	ENST00000445415	84848	NR_024607	MIR503HG
A_22_P00000170	1,76031	2,02868	-1,204446239	N/A	N/A	DA742775	Inc-ABCC5-1
A_22_P00022844	1,59997	1,86834	-1,204446239	ENST00000624232	339862	NM_001257177	LOC339862
A_23_P393051	12,3503	12,6187	-1,204471285	ENST00000616918	126695	NM_152365	KDF1
A_33_P3269388	8,24956	8,51801	-1,20451303	ENST00000618899	79143	NM_001146082	MBOAT7
A_19_P00320067	1,54696	1,81546	-1,204554776	ENST00000609207	100130417	NR_026874	LOC100130417
A_22_P00019673	1,73705	2,00555	-1,204554776	N/A	101927539	NR_110807	LOC101927539
A_23_P142075	8,95482	9,22334	-1,204571475	ENST00000592828	54	NM_001611	ACP5
A_33_P3350202	9,80014	10,0687	-1,204604873	ENST00000244051	27304	NM_014484	MOCS3
A_23_P44244	11,3864	11,655	-1,204638272	ENST00000371122	6594	NM_003069	SMARCA1
A_33_P6475039	11,3024	11,571	-1,204638272	ENST00000472323	100874131	NR_046877	ZBTB20-AS4
A_21_P0003851	3,28126	3,54988	-1,204654972	ENST00000503950	N/A	N/A	N/A
A_33_P3373185	9,86133	10,13	-1,204696723	ENST00000517560	399744	NR_024497	LINC00999
A_22_P00017827	6,17459	6,44326	-1,204696723	N/A	N/A	BG211832	Inc-ZC3H12D-2
A_23_P167129	1,48349	1,75217	-1,204705073	ENST00000503090	64399	NM_022475	HHIP
A_23_P56328	1,50549	1,77418	-1,204713424	ENST00000252590	83483	AK096030	PLVAP
A_33_P6822021	9,45942	9,72813	-1,204730125	ENST00000349223	4775	NM_004555	NFATC3
A_33_P3220095	10,4306	10,6994	-1,204805282	ENST00000342427	84905	NM_001282933	ZNF341
A_21_P0007038	6,52292	6,79173	-1,204813633	N/A	N/A	N/A	Inc-BNIP3-2
A_22_P00008176	4,34843	4,61734	-1,204897147	N/A	N/A	N/A	Inc-INPP5F-1
A_24_P580248	1,50474	1,77367	-1,204913851	N/A	N/A	N/A	XLOC_I2_000384

A_24_P89843	9,87676	10,1458	-1,205005724	ENST00000306145	50626	NM_032687	CYHR1
A_33_P3229335	5,69388	5,96295	-1,205030782	ENST00000620438	128312	NM_175055	HIST3H2BB
A_21_P0012222	2,29794	2,56702	-1,205039135	N/A	N/A	N/A	XLOC_I2_009136
A_23_P257256	10,9142	11,1834	-1,205139371	ENST00000515666	2870	NM_002082	GRK6
A_22_P00001455	1,65821	1,92746	-1,205181139	N/A	N/A	N/A	Inc-APOM-3
A_21_P0009966	1,48639	1,75565	-1,205189493	N/A	N/A	N/A	Inc-ARFGEF2-4
A_33_P3277407	6,23895	6,50823	-1,2052062	ENST00000473063	55904	NM_182931	KMT2E
A_21_P0007019	1,77663	2,04593	-1,205222908	N/A	N/A	N/A	Inc-VAX1-1
A_22_P00008915	1,9004	2,16971	-1,205231262	N/A	144571	NR_026971	A2M-AS1
A_24_P291598	11,8632	12,1327	-1,205389999	ENST00000485450	7375	NM_003363	USP4
A_32_P170749	11,132	11,4015	-1,205389999	ENST00000618922	10734	NM_001282718	STAG3
A_23_P150189	9,9911	10,2607	-1,205473553	ENST00000464884	4361	NM_005590	MRE11A
A_33_P3306802	3,67642	3,94603	-1,205481909	N/A	100130916	AY358791	LOC100130916
A_33_P3321801	6,557	6,82673	-1,205582182	ENST00000609630	100272216	N/A	LOC100272216
A_21_P0007381	1,47588	1,74567	-1,205632322	N/A	N/A	N/A	Inc-RAB30-2
A_33_P3293353	7,16408	7,43392	-1,205674107	ENST00000448333	51133	NM_016121	KCTD3
A_23_P344655	2,68488	2,95483	-1,205766038	N/A	647115	AK094167	FLJ36848
A_33_P3403132	14,8985	15,1685	-1,205807828	ENST00000291442	2063	NM_005234	NR2F6
A_24_P254949	4,62711	4,89711	-1,205807828	ENST00000421970	5239	NM_021965	PGM5
A_22_P00011535	1,53065	1,80065	-1,205807828	N/A	100885778	NR_047687	NALCN-AS1
A_33_P3237225	11,206	11,476	-1,205807828	ENST00000440021	55030	NM_152231	FBXO34
A_23_P315345	5,68618	5,9562	-1,205824544	ENST00000373669	5303	NM_006223	PIN4
A_33_P3366161	1,38999	1,66003	-1,20584126	ENST00000568847	18	NM_000663	ABAT
A_33_P3378702	5,67591	5,94595	-1,20584126	N/A	N/A	AK127786	N/A
A_22_P00016700	6,36882	6,63887	-1,205849619	ENST00000423222	N/A	BC071808	N/A
A_33_P3411744	1,52742	1,79748	-1,205857977	ENST00000414938	100126791	NR_004428	EGOT
A_22_P00011457	1,47322	1,7433	-1,205874694	N/A	N/A	N/A	Inc-PAPOLG-1
A_23_P167468	1,63166	1,90178	-1,205908128	ENST00000508107	5618	NM_000949	PRLR
A_33_P3550618	1,66777	1,93804	-1,206033515	N/A	N/A	AK096066	Inc-EXOSC6-2
A_33_P3388651	11,696	11,9663	-1,206058594	ENST00000277895	3983	NM_001003408	ABLIM1
A_22_P00019411	1,59731	1,86766	-1,206100394	N/A	N/A	N/A	Inc-EDEM3-1
A_22_P00010873	1,59717	1,86754	-1,206117114	N/A	N/A	BF223154	Inc-NPAS3-1
A_23_P32125	12,0509	12,3213	-1,206142195	ENST00000399219	23203	NM_015160	PMPCA

A_32_P109922	10,1016	10,372	-1,206142195	ENST00000523243	57623	NM_020863	ZFAT
A_24_P196534	9,60794	9,87834	-1,206142195	ENST00000291547	5316	NM_004571	PKNOX1
A_33_P3241244	1,57683	1,84725	-1,206158916	N/A	100131822	AK128841	LOC100131822
A_33_P3344991	8,57422	8,84464	-1,206158916	N/A	101060376	AK122833	TBC1D3L
A_22_P00002355	1,53292	1,80336	-1,206175637	N/A	N/A	N/A	Inc-C12orf39-1
A_22_P00017243	1,50825	1,77874	-1,20621744	N/A	N/A	N/A	Inc-UMPS-2
A_23_P93704	5,99374	6,26425	-1,206234162	ENST00000496728	402573	NM_001004323	C7orf61
A_22_P00000860	1,51517	1,78576	-1,206301052	N/A	N/A	N/A	Inc-AGPAT5-2
A_21_P0009779	3,71301	3,98367	-1,206359583	N/A	100506634	N/A	LOC100506634
A_22_P00003356	1,91516	2,18585	-1,206384669	ENST00000580927	N/A	N/A	N/A
A_23_P118061	12,2481	12,5188	-1,206393031	ENST00000526149	51192	NM_181641	CKLF
A_21_P0012039	1,69971	1,97042	-1,206401393	ENST00000467633	N/A	N/A	N/A
A_23_P107412	14,2915	14,5623	-1,206476655	ENST00000473021	5034	NM_000918	P4HB
A_23_P52121	3,68287	3,95369	-1,20649338	ENST00000401008	5174	NM_002614	PDZK1
A_21_P0010670	4,94175	5,21257	-1,20649338	ENST00000446962	102723761	N/A	LOC102723761
A_21_P0007241	4,27628	4,54715	-1,206535195	N/A	N/A	N/A	Inc-USP35-1
A_23_P38041	10,9565	11,2274	-1,206560284	ENST00000568202	51172	NM_016256	NAGPA
A_24_P74070	9,06384	9,33474	-1,206560284	ENST00000353265	84552	NM_032510	PARD6G
A_22_P00000500	2,43636	2,7073	-1,206593738	ENST00000412360	N/A	N/A	N/A
A_22_P00022451	3,52039	3,79134	-1,206602101	N/A	N/A	N/A	Inc-RP11-582J16.5.1-2
A_33_P3347869	9,04972	9,32072	-1,20664392	ENST00000596238	718	NM_000064	C3
A_33_P3385662	4,21131	4,48237	-1,206694104	ENST00000557959	N/A	N/A	N/A
A_33_P3258747	7,27077	7,54186	-1,206719196	ENST00000469079	59271	NM_001286556	EVA1C
A_33_P3233229	1,60701	1,87815	-1,206761019	N/A	N/A	N/A	N/A
A_24_P406986	7,36198	7,63324	-1,206861399	ENST00000525205	29015	NM_199329	SLC43A3
A_32_P131367	9,59563	9,86692	-1,206886495	ENST00000467996	11342	NM_007282	RNF13
A_33_P3281196	9,67017	9,94156	-1,206970153	ENST00000507022	92259	NM_033281	MRPS36
A_23_P62605	17,7013	17,9727	-1,206978519	ENST00000482370	6135	NM_000975	RPL11
A_33_P3351851	6,72158	6,99301	-1,207003618	ENST00000618305	8368	NM_003546	HIST1H4L
A_33_P3215305	1,7682	2,03969	-1,207053816	ENST00000418274	342850	NM_001277333	ANKRD62
A_22_P00012839	1,59526	1,86675	-1,207053816	N/A	101929423	NR_109941	MEF2C-AS1
A_33_P3358163	3,94705	4,21854	-1,207053816	N/A	23742	NM_018958	NPAP1
A_23_P126388	14,957	15,2285	-1,207062183	ENST00000319041	83442	NM_031286	SH3BGL3

A_33_P3300395	10,5382	10,8097	-1,207062183	ENST00000309048	378708	NM_199294	APITD1
A_33_P3320804	13,6119	13,8834	-1,207062183	ENST00000613416	9807	NM_001242829	IP6K1
A_23_P9255	11,0056	11,2771	-1,207062183	ENST00000375754	6850	NM_003177	SYK
A_33_P3315764	7,40499	7,67653	-1,20709565	ENST00000503591	7157	NM_001126118	TP53
A_33_P3363186	5,8209	6,09248	-1,207129119	N/A	N/A	N/A	N/A
A_21_P0014337	1,60795	1,87961	-1,207196058	N/A	100289580	NR_103774	LOC100289580
A_23_P76749	1,94387	2,21553	-1,207196058	ENST00000553471	57452	NM_020692	GALNT16
A_21_P0011713	7,83498	8,10669	-1,207237897	N/A	N/A	N/A	XLOC_I2_006821
A_33_P3390177	4,634	4,90573	-1,207254633	N/A	401106	NR_033929	LINC00884
A_33_P3370787	9,55634	9,8281	-1,207279737	ENST00000374630	2048	NM_004442	EPHB2
A_23_P110362	10,3999	10,6717	-1,207313211	ENST00000515100	8649	NM_021970	LAMTOR3
A_24_P85243	2,84992	3,12196	-1,20751407	ENST00000360669	285596	N/A	FAM153A
A_19_P00322495	5,97743	6,24952	-1,20755592	N/A	100130890	NM_001195131	TSTD3
A_32_P361113	1,49712	1,76923	-1,207572661	ENST00000573951	283876	NR_033904	LINC00921
A_24_P196372	7,14394	7,41605	-1,207572661	ENST00000489683	60509	NM_001035507	AGBL5
A_23_P19352	9,80665	10,0788	-1,207606142	ENST00000394142	10695	NM_006586	CNPY3
A_33_P3308132	9,43737	9,70962	-1,20768985	N/A	102725127	N/A	LOC102725127
A_21_P0006127	2,33541	2,60766	-1,20768985	N/A	N/A	N/A	Inc-C9orf150-1
A_21_P0006324	3,62911	3,90138	-1,207706592	N/A	N/A	N/A	Inc-IER5L-1
A_22_P00012150	1,68478	1,95712	-1,207765192	ENST00000564240	N/A	BC059953	N/A
A_23_P95594	8,28566	8,55802	-1,207781935	ENST00000520546	9	NM_000662	NAT1
A_33_P3365856	3,96569	4,23806	-1,207790307	N/A	N/A	CD674797	Inc-AL117340.1-2
A_22_P00010498	3,15028	3,42267	-1,207807051	ENST00000422415	N/A	N/A	N/A
A_21_P0010587	1,66018	1,93257	-1,207807051	N/A	N/A	N/A	XLOC_I2_000697
A_23_P108662	13,7823	14,0547	-1,207815423	ENST00000462189	7841	NM_006302	MOGS
A_21_P0013030	3,47833	3,75076	-1,207840539	N/A	N/A	N/A	XLOC_I2_012621
A_23_P161583	1,49253	1,76496	-1,207840539	ENST00000534061	10003	NM_005467	NAALAD2
A_32_P147622	9,33366	9,60614	-1,2078824	N/A	100289410	NR_034002	MCF2L-AS1
A_24_P220771	4,11939	4,39187	-1,2078824	ENST00000514252	26057	NM_032217	ANKRD17
A_22_P00005707	2,19677	2,46926	-1,207890772	N/A	N/A	N/A	Inc-ELMOD2-1
A_21_P0004075	1,49213	1,76463	-1,207899145	ENST00000505567	N/A	N/A	N/A
A_23_P93727	1,59061	1,86311	-1,207899145	ENST00000476701	221935	NM_001079653	SDK1
A_23_P38346	10,5656	10,8381	-1,207899145	ENST00000251642	79132	NM_024119	DHX58

A_23_P29594	10,6899	10,9624	-1,207899145	ENST00000296277	116832	NM_052969	RPL39L
A_22_P00007301	3,49046	3,7631	-1,208016366	N/A	101928185	XR_244859	LOC101928185
A_33_P3240727	1,69019	1,96285	-1,208033113	ENST00000421812	90874	NM_001080470	ZNF697
A_21_P0000814	1,62634	1,89903	-1,208058233	ENST00000453410	494558	NR_038833	C9orf135-AS1
A_33_P3221528	11,6772	11,9499	-1,208066607	ENST00000258886	3658	NM_004136	IREB2
A_33_P3246017	2,44631	2,71902	-1,208074981	ENST00000396165	4253	XM_005267650	CTAGE5
A_33_P3368238	1,67563	1,94834	-1,208074981	ENST00000518177	N/A	N/A	N/A
A_21_P0002138	1,52314	1,79591	-1,208125224	ENST00000426870	N/A	N/A	N/A
A_22_P00010081	6,66846	6,94124	-1,208133598	N/A	220906	NR_033805	WAC-AS1
A_23_P102842	12,0098	12,2826	-1,208150347	ENST00000440385	9054	NM_021100	NFS1
A_32_P186474	10,2207	10,4935	-1,208150347	ENST00000454520	29127	NM_013277	RACGAP1
A_24_P387869	9,34188	9,61468	-1,208150347	ENST00000370521	5586	NM_006256	PKN2
A_24_P30923	10,6537	10,9265	-1,208150347	ENST00000329565	8303	NM_003498	SNN
A_22_P00005647	1,6698	1,9427	-1,208234092	ENST00000538837	N/A	CU679252	N/A
A_23_P171249	12,9844	13,2573	-1,208234092	ENST00000342206	3476	NM_001551	IGBP1
A_33_P3360227	2,06393	2,33685	-1,208250842	N/A	N/A	DC397705	N/A
A_33_P3348127	1,47687	1,74985	-1,208301093	ENST00000371559	2902	NM_001185091	GRIN1
A_33_P3212679	14,1675	14,4405	-1,208317843	ENST00000429728	6637	NM_003096	SNRPG
A_23_P75299	13,6721	13,9451	-1,208317843	ENST00000368842	64077	NM_022126	LHPP
A_33_P3299436	17,6077	17,8808	-1,208401601	N/A	N/A	N/A	N/A
A_23_P127088	10,826	11,0991	-1,208401601	ENST00000369937	79004	NM_024040	CUEDC2
A_22_P00005528	5,24806	5,52125	-1,208476987	ENST00000564055	N/A	BC001713	N/A
A_24_P74896	4,3774	4,65064	-1,20851887	ENST00000622546	N/A	XM_006710216	N/A
A_33_P3404623	7,71033	7,98358	-1,208527247	ENST00000393119	54903	NM_017777	MKS1
A_33_P3216277	3,16418	3,43745	-1,208544001	N/A	101059976	XM_003959913	LOC101059976
A_33_P3314466	6,46732	6,7406	-1,208552378	ENST00000486633	10989	N/A	IMMT
A_24_P266285	7,90483	8,17812	-1,208560755	ENST00000325979	23288	NM_152558	IQCE
A_33_P3815560	10,0614	10,3347	-1,208569132	ENST00000420783	11180	NM_018031	WDR6
A_33_P3274501	1,4737	1,74702	-1,208585887	ENST00000545196	51348	NM_001291823	KLRF1
A_22_P00020094	1,96914	2,2425	-1,208619396	N/A	N/A	BF752179	Inc-NENF-2
A_21_P0002555	5,10387	5,37724	-1,208627774	N/A	N/A	N/A	Inc-OR6B2-1
A_33_P3286046	9,84332	10,1168	-1,20871993	ENST00000434727	25911	NM_015448	DPCD
A_23_P55421	7,34282	7,61633	-1,208745065	ENST00000269385	57332	NM_020649	CBX8



A_21_P0006021	1,62037	1,89399	-1,208837231	ENST00000413050	101927502	N/A	LOC101927502
A_23_P47410	6,01042	6,28405	-1,20884561	ENST00000464067	90952	NM_138961	ESAM
A_23_P160729	8,54719	8,82087	-1,208887506	ENST00000462591	10717	NM_006594	AP4B1
A_24_P302374	9,88841	10,1621	-1,208895886	ENST00000312413	1185	NM_001286	CLCN6
A_24_P456490	5,0233	5,29701	-1,208912645	ENST00000368102	284677	NM_001134233	C1orf204
A_23_P113161	6,18573	6,4595	-1,208962923	ENST00000235307	81563	NM_030806	C1orf21
A_21_P0010569	1,71973	1,9935	-1,208962923	ENST00000435735	N/A	N/A	N/A
A_33_P3390013	7,17146	7,44523	-1,208962923	ENST00000464589	9510	NM_006988	ADAMTS1
A_19_P00322420	4,78768	5,06148	-1,208988063	ENST00000503259	100505702	N/A	LINC01094
A_24_P188878	15,5994	15,8732	-1,208988063	ENST00000506397	6164	NM_033625	RPL34
A_24_P153324	12,1944	12,4682	-1,208988063	ENST00000424827	N/A	N/A	N/A
A_21_P0008911	3,65663	3,93044	-1,208996443	N/A	N/A	N/A	Inc-RP11-368J21.2.1-1
A_21_P0014440	2,99835	3,27218	-1,209013203	N/A	N/A	BG198360	N/A
A_21_P0012151	1,49411	1,76801	-1,209071866	ENST00000448374	149773	N/A	APCDD1L-AS1
A_33_P3325871	5,90156	6,17548	-1,209088628	N/A	644903	XR_244911	FLJ38668
A_22_P00019517	1,49427	1,76823	-1,209122151	ENST00000563003	N/A	BC043241	N/A
A_21_P0008117	1,5942	1,86817	-1,209130532	N/A	N/A	N/A	Inc-COL4A2-2
A_33_P3230436	7,05199	7,32598	-1,209147295	N/A	148206	NM_182515	ZNF714
A_21_P0013269	9,2252	9,49926	-1,209205964	N/A	101928451	N/A	LOC101928451
A_33_P3273552	12,0577	12,3318	-1,209239491	ENST00000293670	3889	NM_002282	KRT83
A_24_P6825	1,49371	1,76784	-1,209264637	ENST00000611638	644353	NM_001143978	ZCCHC18
A_33_P3302736	6,38777	6,66206	-1,209398756	ENST00000590777	100101467	NM_001166012	ZSCAN30
A_22_P00022764	3,30472	3,57904	-1,209423905	N/A	101927045	NR_110032	LOC101927045
A_23_P316741	11,8653	12,1397	-1,209490971	ENST00000468468	7106	NM_001025237	TSPAN4
A_21_P0005546	4,7949	5,06937	-1,209549658	N/A	N/A	N/A	Inc-AC099552.4.1-1
A_23_P65830	10,7568	11,0313	-1,20957481	ENST00000494993	374659	NM_198527	HDDC3
A_22_P00025160	1,65654	1,93116	-1,209675424	N/A	N/A	BI713744	Inc-RP11-27909.4.1-2
A_23_P502269	11,3675	11,6422	-1,209742504	ENST00000451060	84271	NM_032311	POLDIP3
A_33_P3273073	2,40241	2,6772	-1,209817974	ENST00000329255	60529	NM_021926	ALX4
A_33_P3395976	11,5624	11,8372	-1,20982636	ENST00000421832	90353	NM_145232	CTU1
A_21_P0009407	1,4953	1,77011	-1,209834746	N/A	101927471	XR_243725	LOC101927471
A_21_P0011076	1,59035	1,86517	-1,209843132	N/A	101929584	N/A	LOC101929584
A_33_P3781094	1,49283	1,76774	-1,209918608	ENST00000440664	100505929	NR_037585	LINC01549

A_33_P3209816	4,07521	4,35012	-1,209918608	ENST00000342179	147991	NM_207325	DPY19L3
A_33_P3281716	6,94124	7,21636	-1,210094738	ENST00000445384	N/A	N/A	N/A
A_33_P3343690	6,43913	6,71426	-1,210103126	ENST00000260270	2230	NM_004109	FDX1
A_32_P141969	1,47487	1,75007	-1,210161842	ENST00000394480	4916	XR_253443	NTRK3
A_24_P830667	14,8079	15,0832	-1,210245727	ENST00000463605	6144	NM_000982	RPL21
A_33_P3685216	3,20388	3,47927	-1,210321228	ENST00000598345	1	NM_130786	A1BG
A_23_P53567	10,5062	10,7816	-1,210329617	ENST00000536197	51019	NM_016053	CCDC53
A_23_P309207	6,72604	7,00145	-1,210338007	ENST00000420592	84765	NM_032679	ZNF577
A_23_P41987	4,97713	5,25268	-1,210455464	ENST00000378362	2676	NM_001496	GFRA3
A_23_P135084	18,1442	18,4198	-1,210497416	ENST00000588490	6130	NM_000972	RPL7A
A_33_P3214705	10,3442	10,6198	-1,210497416	ENST00000595077	55049	NM_001100418	C19orf60
A_33_P3238310	5,99166	6,26729	-1,210522588	ENST00000492930	56911	NM_001286623	MAP3K7CL
A_21_P0013759	8,29057	8,56625	-1,210564542	ENST00000444706	N/A	N/A	N/A
A_23_P142631	10,1605	10,4362	-1,210581324	ENST00000496149	2281	NM_054033	FKBP1B
A_23_P158662	10,781	11,0567	-1,210581324	ENST00000578279	2873	NM_212492	GPS1
A_23_P348208	13,0152	13,2911	-1,210749158	ENST00000368762	6698	NM_005987	SPRR1A
A_23_P66608	12,5934	12,8693	-1,210749158	ENST00000465682	2648	NM_021078	KAT2A
A_21_P0013176	2,83587	3,11182	-1,21079112	N/A	N/A	N/A	XLOC_I2_013293
A_33_P3325661	5,00031	5,27627	-1,210799513	ENST00000390397	N/A	X51791	N/A
A_21_P0009760	1,49479	1,77078	-1,210824691	ENST00000593211	N/A	N/A	N/A
A_21_P0005290	1,50907	1,78508	-1,210841477	ENST00000430537	N/A	N/A	N/A
A_33_P3407941	3,33127	3,60734	-1,210891835	N/A	N/A	N/A	N/A
A_23_P154500	8,46529	8,74137	-1,210900229	ENST00000380756	1788	NM_175629	DNMT3A
A_23_P326170	14,5645	14,8406	-1,210917015	ENST00000432899	805	NM_001743	CALM2
A_23_P346048	11,089	11,3652	-1,211000953	ENST00000619021	400322	NR_002824	HERC2P2
A_24_P363711	2,1037	2,38002	-1,211101685	ENST00000297436	1671	NM_001926	DEFA6
A_22_P00005241	1,9066	2,18293	-1,21111008	N/A	101929947	XR_251218	LOC101929947
A_22_P00024658	4,97009	5,24642	-1,21111008	ENST00000413567	N/A	N/A	N/A
A_33_P3380263	7,18681	7,46316	-1,21112687	ENST00000317502	92170	NM_138384	MTG1
A_33_P3305388	1,48339	1,75977	-1,211152054	ENST00000313447	219453	NM_001004058	OR8K5
A_19_P00321098	1,47453	1,75095	-1,211185635	ENST00000415245	N/A	N/A	N/A
A_23_P116602	9,75928	10,0357	-1,211185635	ENST00000529308	57558	NM_020798	USP35
A_24_P36745	8,83033	9,10678	-1,211210821	ENST00000378421	159013	NM_144970	CXorf38

A_33_P3313314	1,5921	1,86857	-1,211227612	ENST00000361941	10580	NM_001034954	SORBS1
A_33_P3323101	8,29375	8,57029	-1,211286383	ENST00000478556	7581	NM_001278171	ZNF33A
A_33_P3753757	5,64592	5,92252	-1,21133676	N/A	N/A	AK095652	Inc-SUSD1-1
A_33_P3236436	1,47079	1,74746	-1,211395536	ENST00000511965	646603	NM_001080531	C4orf51
A_24_P227450	8,29699	8,57366	-1,211395536	ENST00000547491	80724	NM_025247	ACAD10
A_33_P3252043	16,0273	16,304	-1,211420726	ENST00000575069	5034	NM_000918	P4HB
A_21_P0006996	1,46451	1,74125	-1,211454315	N/A	N/A	N/A	Inc-MBL2-1
A_33_P3336652	14,4878	14,7646	-1,211504699	ENST00000528251	4718	NM_001204054	NDUFC2
A_33_P3886707	13,8639	14,1407	-1,211504699	ENST00000351450	27068	NM_176869	PPA2
A_23_P170290	8,1197	8,39651	-1,211513096	ENST00000399766	55219	NM_018202	TMEM57
A_23_P311895	1,48824	1,76511	-1,211563483	ENST00000185206	53405	NM_016929	CLIC5
A_23_P102017	1,72176	1,99868	-1,211605473	ENST00000397283	57471	AB033015	ERMN
A_33_P3280237	1,97438	2,25133	-1,211630668	N/A	N/A	N/A	N/A
A_23_P301247	11,6354	11,9124	-1,21167266	N/A	8338	NM_003517	HIST2H2AC
A_33_P3303910	1,48459	1,76163	-1,211706256	N/A	9679	AK127323	FAM53B
A_23_P133648	4,88087	5,15791	-1,211706256	ENST00000259963	51439	NM_016255	FAM8A1
A_33_P3679901	3,3675	3,64468	-1,211823846	ENST00000482201	N/A	X64982	N/A
A_32_P806841	8,50769	8,78488	-1,211832246	ENST00000404894	10124	NM_005738	ARL4A
A_22_P00015757	4,09474	4,37198	-1,211874245	N/A	N/A	BC043377	Inc-TAF4B-4
A_23_P133095	9,58082	9,85807	-1,211882645	ENST00000264431	9693	NM_014247	RAPGEF2
A_33_P3408054	12,9454	13,2227	-1,211924647	ENST00000602906	N/A	AY956763	N/A
A_22_P00012992	1,52423	1,80153	-1,211924647	ENST00000508206	317671	BX104057	RFESD
A_23_P213718	16,1279	16,4052	-1,211924647	ENST00000378665	27089	NM_014402	UQCRC
A_23_P386478	1,40951	1,68682	-1,211933047	ENST00000511909	79931	NM_024873	TNIP3
A_22_P00007112	6,33138	6,60871	-1,211949848	N/A	N/A	XM_006717970	Inc-GLUD1-3
A_21_P0011834	1,54047	1,81782	-1,21196665	N/A	N/A	N/A	XLOC_I2_007468
A_33_P3238690	5,96803	6,24542	-1,212000253	ENST00000265149	54790	NM_001127208	TET2
A_33_P3423874	10,227	10,5044	-1,212008654	ENST00000380565	100820829	NM_001018100	MYZAP
A_23_P132675	13,7071	13,9845	-1,212008654	ENST00000415995	7384	NM_003365	UQCRC1
A_33_P3679941	1,67805	1,95546	-1,212017055	ENST00000622038	N/A	AK090861	N/A
A_23_P356021	6,2093	6,48671	-1,212017055	ENST00000452869	2187	NM_001018113	FANCB
A_33_P3368139	11,0256	11,3031	-1,212092667	ENST00000469188	4214	NM_005921	MAP3K1
A_23_P80156	9,68774	9,96532	-1,212159882	ENST00000482508	3275	NM_206962	PRMT2

A_33_P3247689	1,63538	1,91297	-1,212168284	N/A	N/A	N/A	N/A
A_22_P00011671	4,00514	4,28281	-1,212235502	ENST00000438618	100131814	NR_026805	LINC00271
A_23_P402733	8,17952	8,45719	-1,212235502	ENST00000300278	6651	NM_032195	SON
A_21_P0013268	8,91205	9,18974	-1,212252308	N/A	N/A	N/A	XLOC_I2_013594
A_21_P0005910	3,43392	3,71167	-1,212302725	ENST00000524079	137835	N/A	TMEM71
A_22_P00018911	4,98979	5,2676	-1,212353144	N/A	N/A	N/A	Inc-TRAPPC8-2
A_23_P363255	4,29442	4,57224	-1,212361548	ENST00000432185	80323	NM_025214	CCDC68
A_22_P00004270	1,66937	1,94721	-1,212378355	N/A	N/A	N/A	Inc-CNBD1-4
A_32_P98502	13,5811	13,859	-1,212428777	ENST00000322347	9377	NM_004255	COX5A
A_22_P00018804	5,12699	5,4049	-1,212437181	ENST00000369851	2773	N/A	GNAI3
A_33_P3361851	14,032	14,31	-1,212512819	ENST00000265062	7879	NM_004637	RAB7A
A_23_P65262	9,4591	9,73711	-1,212521224	ENST00000509076	10443	NM_001278432	N4BP2L2
A_21_P0002177	3,34422	3,62223	-1,212521224	N/A	N/A	N/A	Inc-AC008271.1.1-1
A_22_P00004110	6,50007	6,77813	-1,212563247	N/A	N/A	N/A	Inc-CLCN3-1
A_33_P3294237	9,46567	9,74374	-1,212571652	ENST00000373036	4520	NM_005955	MTF1
A_21_P0011823	1,57321	1,8513	-1,212588462	N/A	N/A	N/A	XLOC_I2_007449
A_23_P30554	1,70731	1,98541	-1,212596867	ENST00000520740	30820	NM_001034837	KCNIP1
A_21_P0012277	5,65199	5,93009	-1,212596867	N/A	N/A	N/A	XLOC_I2_009448
A_32_P111306	1,65661	1,935	-1,212840639	ENST00000548219	193629	NR_027072	LINC00189
A_33_P3227041	13,6693	13,9477	-1,212849046	ENST00000342111	637	NM_197966	BID
A_23_P321501	10,9794	11,2579	-1,212933117	ENST00000556701	10202	NM_182908	DHRS2
A_23_P357966	1,5069	1,78542	-1,212949932	ENST00000360540	115294	NM_052937	PCMTD1
A_33_P3341269	2,56157	2,84015	-1,213000378	N/A	N/A	N/A	Inc-LGALS14-1
A_22_P00001223	6,50774	6,78634	-1,213017194	N/A	N/A	N/A	Inc-ANKRD13B-1
A_23_P419795	8,82687	9,10548	-1,213025602	ENST00000525040	81846	NM_030962	SBF2
A_23_P99292	9,40462	9,68325	-1,213042418	ENST00000535558	10635	NM_006479	RAD51AP1
A_23_P212522	9,7188	9,99755	-1,21314332	ENST00000323116	23200	NM_014616	ATP11B
A_22_P00003924	1,46321	1,74197	-1,213151729	ENST00000520032	N/A	BM693730	N/A
A_24_P93967	9,37279	9,65157	-1,213168547	ENST00000616614	2332	NM_002024	FMR1
A_21_P0013820	12,4486	12,7274	-1,213185365	N/A	N/A	N/A	XLOC_I2_015762
A_22_P00016109	1,51244	1,79134	-1,21326946	N/A	79178	NR_046051	THTPA
A_33_P3219870	11,5139	11,7928	-1,21326946	ENST00000617551	57104	NM_020376	PNPLA2
A_22_P00017284	4,32412	4,60307	-1,213311509	N/A	N/A	N/A	Inc-USP10-2

A_23_P201731	8,68626	8,96522	-1,213319919	ENST00000336184	7188	NM_004619	TRAF5
A_19_P00317937	6,26237	6,54133	-1,213319919	ENST00000244070	55370	NR_003505	PPP4R1L
A_24_P35228	9,36308	9,6421	-1,213370381	ENST00000251808	79977	NM_024915	GRHL2
A_33_P3356811	6,04673	6,32575	-1,213370381	ENST00000368771	353135	NM_178353	LCE1E
A_33_P3276913	6,85041	7,12944	-1,213378791	N/A	N/A	BG533310	N/A
A_24_P178148	6,1315	6,41065	-1,213479722	N/A	100129455	XR_249246	LOC100129455
A_32_P11894	11,3259	11,6051	-1,213521778	ENST00000543139	91574	NM_152269	C12orf65
A_21_P0001867	1,57585	1,85507	-1,213538602	N/A	N/A	N/A	Inc-ACTR2-1
A_23_P315892	9,09144	9,37068	-1,213555425	ENST00000485320	30815	NM_013443	ST6GALNAC6
A_24_P85158	10,1089	10,3882	-1,213605896	ENST00000529937	23410	NM_012239	SIRT3
A_33_P3299865	12,0292	12,3085	-1,213605896	ENST00000355057	8362	NM_003541	HIST1H4K
A_33_P3417305	6,24085	6,52017	-1,213622721	ENST00000451550	N/A	N/A	N/A
A_33_P3424217	1,77572	2,05516	-1,213723671	ENST00000399670	3119	NM_001243962	HLA-DQB1
A_22_P00024561	4,17845	4,45789	-1,213723671	N/A	N/A	N/A	Inc-ROM1-2
A_33_P3258801	5,23152	5,51099	-1,21374891	ENST00000246515	57152	NM_020427	SLURP1
A_21_P0009167	1,44513	1,72465	-1,213790976	N/A	N/A	N/A	Inc-GRB7-1
A_33_P3653912	5,16138	5,44092	-1,213807803	ENST00000233379	51011	XM_006712560	FAHD2A
A_33_P3356080	1,47771	1,75727	-1,21382463	ENST00000407524	150935	NR_037808	LOC150935
A_21_P0009723	3,05473	3,3343	-1,213833044	ENST00000597989	N/A	N/A	N/A
A_33_P3575854	10,5691	10,8488	-1,213942426	ENST00000609350	642361	NR_029407	LOC642361
A_22_P00006040	4,35378	4,63356	-1,214009743	N/A	N/A	BC039686	Inc-FAM120AOS-1
A_33_P3399453	9,97387	10,2537	-1,214051818	ENST00000483316	829	NM_006135	CAPZA1
A_23_P98070	1,59892	1,87876	-1,214060233	ENST00000371447	5146	NM_006204	PDE6C
A_21_P0012574	1,6907	1,97056	-1,214077064	ENST00000505386	101929019	N/A	LOC101929019
A_22_P00013435	3,71616	3,99604	-1,214093895	N/A	N/A	N/A	Inc-RP11-276H1.3.1-1
A_23_P160406	11,3229	11,6028	-1,214110726	ENST00000495537	51133	NM_016121	KCTD3
A_33_P3415336	2,97377	3,25367	-1,214110726	ENST00000462747	57679	N/A	ALS2
A_23_P76983	6,06455	6,34445	-1,214110726	ENST00000394009	80127	NM_025057	CCDC176
A_32_P54018	10,1004	10,3803	-1,214110726	ENST00000556746	57456	NM_020696	KIAA1143
A_23_P47728	3,56487	3,84481	-1,214144388	ENST00000614044	4135	NM_033063	MAP6
A_23_P121106	4,62032	4,90027	-1,214152804	ENST00000295934	8820	NM_003865	HESX1
A_21_P0014835	1,49476	1,77475	-1,214186468	N/A	N/A	N/A	N/A
A_33_P3228543	2,0667	2,3467	-1,214194884	N/A	N/A	N/A	N/A

A_33_P3410654	1,55565	1,83573	-1,214262216	ENST00000396502	387837	NM_205852	CLEC12B
A_23_P84344	11,5392	11,8193	-1,214279049	ENST00000531205	59307	NM_021805	SIGIRR
A_19_P00316219	6,79916	7,07935	-1,214354802	N/A	N/A	N/A	N/A
A_23_P139509	11,9517	12,2319	-1,214363219	ENST00000611644	51290	NM_016570	ERGIC2
A_22_P00022522	1,60556	1,88583	-1,214422142	N/A	101929532	NR_110255	LOC101929532
A_24_P377124	1,8095	2,0898	-1,214447395	ENST00000445696	7066	NM_000460	THPO
A_21_P0002968	1,62904	1,90938	-1,214481067	N/A	N/A	N/A	Inc-SLC25A26-1
A_21_P0002611	1,59786	1,87823	-1,214506322	N/A	N/A	N/A	Inc-CCDC74A-1
A_22_P00004611	1,62646	1,90688	-1,214548414	ENST00000581489	101929511	XR_243526	LOC101929511
A_22_P00010106	1,47138	1,75182	-1,214565252	N/A	N/A	DB231084	Inc-MRGPRD-1
A_21_P0005499	1,95526	2,23588	-1,214716798	N/A	N/A	N/A	Inc-ZNF680-11
A_33_P3299766	7,34834	7,62899	-1,214742058	ENST00000369246	57700	N/A	FAM160B1
A_33_P3381186	1,44892	1,72963	-1,214792579	ENST00000536262	160728	NM_145913	SLC5A8
A_21_P0008407	3,38526	3,666	-1,21481784	ENST00000554526	N/A	N/A	N/A
A_33_P3668839	9,20872	9,4895	-1,214851522	N/A	644656	NR_036539	LOC644656
A_33_P3251703	17,4318	17,7126	-1,214868364	ENST00000392531	1396	NM_001311	CRIP1
A_21_P0012295	1,63939	1,92019	-1,214868364	N/A	N/A	N/A	XLOC_I2_009508
A_23_P40611	6,91473	7,19554	-1,214876785	ENST00000471659	6948	NM_000355	TCN2
A_22_P00002471	1,40835	1,68927	-1,214969418	N/A	N/A	AA766861	Inc-C15orf48-2
A_21_P0014417	1,54139	1,82231	-1,214969418	N/A	N/A	N/A	N/A
A_23_P390443	2,31712	2,59805	-1,214977839	ENST00000376325	729956	NM_001145176	SHISA7
A_21_P0011573	8,71812	8,99905	-1,214977839	ENST00000421796	N/A	TCONS_I2_00011128	N/A
A_22_P00008393	7,21315	7,49415	-1,215036792	N/A	101928363	NR_120332	EHD4-AS1
A_23_P215088	10,7365	11,0175	-1,215036792	ENST00000467642	51530	NM_016478	ZC3HC1
A_21_P0011603	11,1417	11,4227	-1,215036792	ENST00000565833	51321	NM_016627	AMZ2
A_33_P3267195	7,50479	7,78582	-1,215062058	ENST00000380106	497048	NR_122107	KU-MEL-3
A_23_P206396	12,8583	13,1394	-1,215121015	ENST00000527845	51192	NM_001040138	CKLF
A_33_P3245183	7,31516	7,59626	-1,215121015	ENST00000431010	3269	NM_001098213	HRH1
A_21_P0012701	1,46919	1,7503	-1,215129437	N/A	N/A	N/A	XLOC_I2_011411
A_33_P3346680	7,84801	8,12913	-1,21513786	N/A	N/A	N/A	N/A
A_21_P0004184	2,18507	2,46625	-1,215188397	N/A	N/A	N/A	Inc-PRELI2-1
A_24_P932305	1,51956	1,80083	-1,215264207	N/A	100129033	AY358807	QIQN5815
A_21_P0004316	3,75749	4,03877	-1,215272631	N/A	N/A	N/A	Inc-CNOT8-1

A_24_P29723	11,1192	11,4005	-1,215289478	ENST00000412064	5447	NM_000941	POR
A_33_P3400728	3,52542	3,80681	-1,215365294	ENST00000352483	54101	NM_020639	RIPK4
A_33_P3333317	10,4348	10,7162	-1,215373718	ENST00000378748	10133	NM_001008211	OPTN
A_33_P3422248	9,39002	9,67144	-1,215390567	ENST00000581347	645369	XM_005258130	TMEM200C
A_33_P3272773	8,29955	8,58098	-1,215398992	ENST00000302342	7764	NM_006526	ZNF217
A_33_P3258223	8,79129	9,07274	-1,215415841	ENST00000354230	4176	NM_005916	MCM7
A_22_P00013604	2,80254	3,08403	-1,21544954	ENST00000438589	388630	NM_001194986	TRABD2B
A_21_P0012637	1,591	1,8725	-1,215457965	N/A	N/A	N/A	XLOC_I2_010948
A_21_P0012828	1,60104	1,88274	-1,215626474	N/A	N/A	N/A	XLOC_I2_011579
A_33_P3219803	16,7254	17,0071	-1,215626474	ENST00000466801	5757	NM_001099285	PTMA
A_22_P00020228	1,6685	1,95027	-1,215685458	N/A	N/A	DB215008	Inc-OR10AB1P-2
A_23_P28886	13,725	14,0068	-1,215710738	ENST00000379160	5111	NM_002592	PCNA
A_22_P00007941	1,53414	1,81598	-1,215744445	N/A	101929592	NR_125986	LOC101929592
A_33_P3411890	5,02702	5,30893	-1,215803435	N/A	N/A	N/A	N/A
A_24_P289636	9,66221	9,94418	-1,215854	ENST00000379095	51335	AK098314	NGRN
A_23_P120467	8,92429	9,20631	-1,215896139	ENST00000361387	55734	NM_199427	ZFP64
A_23_P300826	9,30863	9,59069	-1,215929851	ENST00000461130	221545	NM_145029	C6orf136
A_33_P3392366	8,83544	9,11751	-1,215938279	ENST00000564585	101929634	XR_245823	LOC101929634
A_23_P88234	11,3086	11,5907	-1,215963564	ENST00000560600	51016	NM_016049	EMC9
A_33_P3299279	7,82021	8,10231	-1,215963564	ENST00000314890	389289	NM_001014279	ANXA2R
A_33_P3275835	11,3254	11,6075	-1,215963564	ENST00000336067	27433	NM_001134430	TOR2A
A_19_P00317748	1,63282	1,91495	-1,21598885	ENST00000513234	101928858	XR_249793	LOC101928858
A_24_P373152	6,76911	7,05132	-1,216056281	ENST00000341223	1073	NM_021914	CFL2
A_24_P324712	3,58214	3,86436	-1,21606471	ENST00000381160	29881	NM_013389	NPC1L1
A_33_P3261192	1,55581	1,83807	-1,216098427	N/A	N/A	N/A	N/A
A_22_P00006326	1,81852	2,1008	-1,216115285	N/A	N/A	BG218223	Inc-FAM9C-2
A_33_P3387455	1,4629	1,74519	-1,216123715	ENST00000379711	57713	NM_001029880	SFMBT2
A_23_P144677	10,5474	10,8297	-1,216132144	ENST00000231368	4012	AF178574	LNPEP
A_23_P252681	8,37756	8,65988	-1,216149004	ENST00000411591	5130	NM_005017	PCYT1A
A_32_P190951	1,54274	1,82513	-1,216208013	ENST00000390622	N/A	AY393117	N/A
A_23_P165180	12,9024	13,1848	-1,216216443	ENST00000407360	8625	NM_003721	RFXANK
A_21_P0005382	1,53467	1,81719	-1,216317609	N/A	N/A	N/A	Inc-POM121L12-2
A_24_P284584	6,77238	7,05497	-1,216376627	ENST00000603380	84527	NM_032497	ZNF559

A_21_P0000715	9,97851	10,2611	-1,216376627	ENST00000587501	85451	NR_038131	UNK
A_23_P365226	4,20112	4,48372	-1,216385058	ENST00000286544	145483	NM_152445	FAM161B
A_33_P3309289	5,19212	5,47476	-1,216418784	N/A	6484	AK021929	ST3GAL4
A_22_P00019278	1,49995	1,78263	-1,216452511	N/A	N/A	BG204456	Inc-CMAS-1
A_22_P00019562	7,92139	8,20411	-1,216486239	ENST00000545606	55832	AK056140	CAND1
A_33_P3282556	11,447	11,7298	-1,216553697	ENST00000566264	79652	NM_024600	TMEM204
A_21_P0011328	1,56396	1,84676	-1,216553697	ENST00000559964	283673	NR_026949	EWSAT1
A_22_P00003466	5,91077	6,19363	-1,216604293	N/A	100507419	XR_424759	MMP25-AS1
A_21_P0013371	5,04789	5,33079	-1,216638025	N/A	100506098	XR_108746	LOC100506098
A_22_P00022206	4,25482	4,53774	-1,216654891	ENST00000592638	101927943	XR_243874	LOC101927943
A_23_P363778	1,62483	1,90777	-1,216671758	ENST00000295113	2487	NM_001463	FRZB
A_22_P00000873	5,54611	5,82911	-1,216722359	N/A	N/A	BC038776	Inc-AGRP-5
A_33_P3333033	10,3204	10,6034	-1,216722359	ENST00000574857	9905	AK124883	SGSM2
A_21_P0002180	4,50397	4,78707	-1,216806698	N/A	N/A	N/A	Inc-KCNS3-3
A_23_P321913	9,16519	9,44833	-1,216840436	ENST00000316637	50619	NM_022047	DEF6
A_23_P154108	11,7216	12,0048	-1,216891044	ENST00000409317	1781	NM_001378	DYNC112
A_22_P00018081	3,8824	4,1656	-1,216891044	N/A	101929464	NR_125978	LOC101929464
A_33_P3685572	6,90779	7,19105	-1,216941654	ENST00000565617	N/A	BX649145	N/A
A_33_P3780572	2,06299	2,34627	-1,216958524	ENST00000510832	401164	AK095968	LINC01060
A_23_P122464	8,52326	8,80655	-1,21696696	ENST00000252207	7746	NM_006299	ZSCAN9
A_23_P157283	10,8146	11,0979	-1,216975395	ENST00000481425	79161	NM_024315	TMEM243
A_33_P3219105	12,1552	12,4385	-1,216975395	ENST00000430724	N/A	N/A	N/A
A_23_P48099	11,7621	12,0454	-1,216975395	ENST00000547269	79023	NM_024057	NUP37
A_23_P340171	1,5701	1,85342	-1,216992266	ENST00000602346	63970	NM_001251964	TP53AIP1
A_22_P00016185	3,25841	3,54175	-1,217009137	N/A	N/A	N/A	Inc-TLE3-8
A_21_P0009961	5,41053	5,69388	-1,217017573	N/A	N/A	N/A	Inc-NCOA3-4
A_23_P41854	11,9104	12,1938	-1,217059752	ENST00000254691	84674	NM_032587	CARD6
A_23_P317244	4,21917	4,50275	-1,21721161	ENST00000394637	124912	NM_173847	SPACA3
A_32_P168247	16,7947	17,0783	-1,217228484	ENST00000549525	1337	NM_004373	COX6A1
A_24_P285480	12,1179	12,4016	-1,217312859	ENST00000476552	9553	NM_004891	MRPL33
A_21_P0012739	5,77712	6,06083	-1,217321297	ENST00000511497	100507487	NR_125882	LOC100507487
A_23_P93258	11,8002	12,084	-1,21739724	ENST00000621411	8358	NM_003537	HIST1H3B
A_33_P3232527	6,59949	6,88337	-1,217464749	ENST00000367512	80267	NM_025191	EDEM3



A_21_P0000561	5,40098	5,68495	-1,2175407	N/A	100302739	NR_028370	PCNA-AS1
A_22_P00010295	1,67467	1,95869	-1,217582898	ENST00000502001	100505738	NR_039989	MIR4458HG
A_23_P252145	8,30828	8,5923	-1,217582898	ENST00000436587	56913	NM_020156	C1GALT1
A_24_P398500	7,18905	7,47311	-1,217616657	ENST00000536198	10198	NM_022782	MPHOSPH9
A_21_P0014231	8,23849	8,52256	-1,217625097	N/A	N/A	N/A	Inc-WDR34-1
A_21_P0004582	1,61048	1,89479	-1,217827672	N/A	N/A	N/A	Inc-BOD1-1
A_33_P3315944	1,64409	1,92848	-1,217895205	ENST00000332372	344018	NM_001004311	FIGLA
A_22_P00022613	1,61457	1,89896	-1,217895205	ENST00000451953	100506527	N/A	LINC01007
A_33_P3240966	6,03851	6,32294	-1,217928972	ENST00000481421	N/A	N/A	N/A
A_23_P1431	7,44123	7,72568	-1,217945857	ENST00000372037	657	NM_004329	BMPR1A
A_24_P235400	1,45973	1,74419	-1,217954299	ENST00000544227	4325	NM_005941	MMP16
A_23_P162719	8,15671	8,44117	-1,217954299	ENST00000400324	81624	NM_030932	DIAPH3
A_33_P3263061	12,6588	12,9433	-1,217988068	ENST00000381809	50808	NM_016282	AK3
A_33_P3376026	4,56823	4,85276	-1,218013396	N/A	100128770	NR_047572	LOC100128770
A_33_P3296181	2,99896	3,28355	-1,218064052	ENST00000621940	414062	NM_001001437	CCL3L3
A_33_P3394395	9,57247	9,85716	-1,218148485	ENST00000370791	374986	NM_001270384	FAM73A
A_23_P321466	7,66094	7,94571	-1,218216036	ENST00000593942	92960	NM_080662	PEX11G
A_22_P00001037	1,53392	1,8187	-1,21822448	ENST00000455977	103752583	NR_125787	LINC01075
A_22_P00019675	1,76801	2,05285	-1,218275145	N/A	N/A	N/A	Inc-ELP4-1
A_22_P00005652	1,46054	1,7454	-1,218292034	N/A	N/A	BC043181	Inc-EIF2C2-2
A_22_P00025010	3,37716	3,66202	-1,218292034	ENST00000427073	N/A	N/A	N/A
A_21_P0001283	1,47972	1,76476	-1,218444046	N/A	N/A	N/A	Inc-AL591845.1-1
A_23_P99138	14,829	15,1142	-1,218579183	ENST00000229238	51258	NM_016497	MRPL51
A_23_P405707	7,94318	8,22838	-1,218579183	ENST00000615339	54880	BC128456	BCOR
A_23_P407115	6,76676	7,05199	-1,218604523	ENST00000617781	8396	NM_003559	PIP4K2B
A_33_P3514859	8,33031	8,61557	-1,218629863	ENST00000621883	101929709	NR_125822	LOC101929709
A_33_P3375368	5,04764	5,33294	-1,218663651	ENST00000407714	2859	NM_001195381	GPR35
A_23_P390545	1,62032	1,9057	-1,21873123	ENST00000610569	9708	NM_014004	PCDHGA8
A_23_P91081	13,7741	14,0595	-1,218748126	ENST00000456133	4072	NM_002354	EPCAM
A_23_P93623	15,4193	15,7047	-1,218748126	ENST00000249289	9296	NM_004231	ATP6V1F
A_21_P0009560	1,49681	1,78222	-1,218756573	N/A	N/A	N/A	Inc-TCF4-1
A_23_P404094	5,91244	6,19788	-1,218781917	N/A	439931	NR_027052	THAP7-AS1
A_21_P0004610	1,46979	1,75527	-1,218815709	N/A	101927048	N/A	LOC101927048

A_33_P3424207	11,9457	12,2312	-1,218832606	ENST00000358201	79874	NM_024816	RABEP2
A_22_P00019882	1,72591	2,01141	-1,218832606	ENST00000510744	N/A	N/A	N/A
A_33_P3297599	14,0029	14,2885	-1,218917092	N/A	N/A	AF416714	N/A
A_22_P00019049	1,48491	1,77052	-1,218925541	ENST00000554412	N/A	N/A	N/A
A_23_P53866	10,5157	10,8014	-1,219001583	ENST00000356576	57511	NM_020751	COG6
A_22_P00014678	1,48231	1,7681	-1,219077631	N/A	N/A	N/A	Inc-SLC25A16-2
A_33_P3315634	4,01841	4,30422	-1,219094531	N/A	N/A	N/A	N/A
A_23_P395534	8,89636	9,18218	-1,219102981	ENST00000345034	6248	NM_006511	RSC1A1
A_33_P3390122	4,51608	4,80198	-1,219170585	ENST00000370759	54810	NM_017655	GIPC2
A_21_P0013598	1,4158	1,70172	-1,219187486	N/A	N/A	N/A	XLOC_I2_015011
A_33_P3351790	1,50806	1,794	-1,219204388	N/A	N/A	N/A	N/A
A_21_P0012174	15,4513	15,7373	-1,219255094	ENST00000450472	N/A	N/A	N/A
A_24_P481824	6,06579	6,35185	-1,219305803	ENST00000414645	286148	NM_181787	DPY19L4
A_22_P00015177	2,03969	2,32576	-1,219314254	N/A	N/A	N/A	Inc-SORL1-2
A_33_P3372368	10,2477	10,5338	-1,219339609	ENST00000551318	3856	NR_045962	KRT8
A_32_P138617	9,06129	9,34741	-1,219356513	ENST00000316407	205717	NM_001009899	KIAA2018
A_22_P00013518	4,12267	4,40881	-1,219373417	N/A	N/A	DA829461	Inc-RP11-392018.1.1-2
A_33_P3216651	3,24236	3,5285	-1,219373417	ENST00000307198	220074	NM_001145310	LRTOMT
A_24_P941051	8,62962	8,91578	-1,219390321	ENST00000331173	23283	NM_015235	CSTF2T
A_23_P202860	9,93961	10,2258	-1,219415678	ENST00000525015	120227	NM_024514	CYP2R1
A_22_P00014498	2,5952	2,88141	-1,219432583	N/A	N/A	N/A	Inc-SHISA9-2
A_33_P3311956	8,97925	9,26548	-1,219449488	ENST00000464964	9637	NM_001042548	FEZ2
A_22_P00018343	2,06236	2,34874	-1,219576283	N/A	100852409	NR_046218	NEGR1-IT1
A_23_P117928	10,7659	11,0523	-1,21959319	ENST00000561234	22893	NM_014952	BAHD1
A_21_P0012505	5,3791	5,66551	-1,219601644	ENST00000487963	N/A	N/A	N/A
A_24_P373286	7,86388	8,1504	-1,219694637	ENST00000396208	9738	NM_014711	CCP110
A_33_P3263614	4,45317	4,73969	-1,219694637	ENST00000608765	55616	NM_001143778	ASAP3
A_32_P129669	7,22298	7,5096	-1,219779183	ENST00000276185	84443	NM_032428	FRMPD3
A_23_P207367	6,95504	7,24167	-1,219787638	ENST00000345506	6776	NM_003152	STAT5A
A_21_P0001690	1,54124	1,82787	-1,219787638	N/A	N/A	N/A	Inc-IFI44-2
A_33_P3379001	2,98606	3,27279	-1,21987219	ENST00000329542	90249	NM_133369	UNC5A
A_33_P3422787	4,17366	4,4604	-1,219880646	N/A	N/A	AK309441	Inc-TM4SF4-2
A_33_P3354604	2,62935	2,9162	-1,21997366	ENST00000620732	9560	NM_001291470	CCL4L2

A_23_P217901	12,5238	12,8107	-1,220015942	ENST00000486084	100131187	NM_001113207	TSTD1
A_21_P0000905	1,46166	1,74867	-1,220108967	N/A	100287944	NR_040246	LOC100287944
A_33_P3251932	7,23872	7,52578	-1,220151254	ENST00000337565	10018	NM_207002	BCL2L11
A_24_P230514	1,63584	1,92295	-1,220193542	N/A	N/A	AK094424	Inc-ATG7-1
A_22_P00013343	8,83893	9,12608	-1,220227373	ENST00000517897	N/A	D38715	N/A
A_21_P0006776	1,61815	1,90536	-1,220278122	ENST00000444137	101929646	N/A	LOC101929646
A_33_P3363105	5,1384	5,42564	-1,220303497	N/A	N/A	N/A	N/A
A_33_P3327592	11,4139	11,7012	-1,220354249	ENST00000392894	11342	NM_007282	RNF13
A_33_P3321314	1,47483	1,76213	-1,220354249	ENST00000616518	N/A	M62376	N/A
A_23_P146654	14,0178	14,3052	-1,220438841	ENST00000379707	573	NM_004323	BAG1
A_23_P1072	14,585	14,8724	-1,220438841	ENST00000537345	476	NM_000701	ATP1A1
A_24_P322369	12,5372	12,8246	-1,220438841	ENST00000238497	9525	NM_004869	VPS4B
A_22_P00005606	8,50284	8,79035	-1,220531898	N/A	N/A	N/A	Inc-EFR3B-3
A_21_P0001576	1,40344	1,69095	-1,220531898	N/A	N/A	N/A	Inc-PRKAB2-1
A_23_P346982	5,55163	5,83916	-1,220548819	ENST00000510708	285605	NM_173666	DTWD2
A_21_P0012019	1,43067	1,71822	-1,220565739	N/A	100506563	N/A	LOC100506563
A_33_P3383936	3,90882	4,1964	-1,22059112	ENST00000395745	22907	NM_014966	DHX30
A_33_P3282649	2,75331	3,04089	-1,22059112	N/A	N/A	N/A	N/A
A_23_P66813	11,2991	11,5867	-1,220608041	ENST00000574992	51547	NM_016538	SIRT7
A_21_P0013072	3,6973	3,98494	-1,220641884	N/A	N/A	N/A	XL0C_I2_012925
A_22_P00010269	1,62827	1,91604	-1,22075188	ENST00000566485	N/A	N/A	N/A
A_32_P91250	11,6411	11,9289	-1,220777265	ENST00000496722	7332	NM_003347	UBE2L3
A_21_P0013730	1,62838	1,91625	-1,220836499	ENST00000588215	101928381	N/A	LOC101928381
A_22_P00002388	5,92342	6,2113	-1,220844961	ENST00000419448	23250	N/A	ATP11A
A_23_P413888	1,72424	2,01216	-1,220878811	ENST00000360388	222553	NM_001029858	SLC35F1
A_22_P00012657	1,58762	1,87561	-1,22093805	ENST00000439804	103344926	N/A	LINCR-0002
A_32_P155811	7,99658	8,28458	-1,220946513	ENST00000359314	23607	NM_012120	CD2AP
A_33_P3362886	8,10669	8,39481	-1,221048072	N/A	N/A	AK056419	Inc-COPZ2-1
A_22_P00008690	1,70566	1,99379	-1,221056536	N/A	N/A	N/A	Inc-KIAA1147-2
A_23_P162355	3,84207	4,13021	-1,221065	ENST00000312492	3222	NM_018953	HOXC5
A_33_P3398000	2,03086	2,31902	-1,221081927	N/A	100506866	NR_038272	TTN-AS1
A_22_P00005862	4,65291	4,9411	-1,221107319	N/A	N/A	N/A	Inc-ERMP1-1
A_22_P00024476	1,48493	1,77318	-1,221158105	N/A	N/A	N/A	Inc-TRPV3-1

A_23_P117424	10,3347	10,623	-1,221200428	ENST00000558914	80344	NM_025230	DCAF11
A_22_P00017352	7,99519	8,28358	-1,221276613	N/A	100129387	NR_024490	GABPB1-AS1
A_22_P00008474	1,77168	2,06008	-1,221285078	ENST00000561816	N/A	AK095844	N/A
A_22_P00019143	5,61504	5,90353	-1,221361268	N/A	N/A	N/A	Inc-DHX15-1
A_21_P0000837	1,45669	1,74546	-1,221598334	ENST00000591961	100507589	NR_038913	NAGPA-AS1
A_22_P00023609	3,47331	3,76208	-1,221598334	N/A	N/A	DB065448	Inc-DUSP1-2
A_21_P0009321	5,64017	5,92899	-1,221640672	N/A	101929494	XR_424823	LOC101929494
A_22_P00009258	4,02818	4,31706	-1,22169148	ENST00000432495	N/A	XR_249026	N/A
A_23_P374351	10,526	10,8149	-1,221708416	ENST00000449081	222658	NM_173562	KCTD20
A_33_P3320272	8,2107	8,4996	-1,221708416	ENST00000357501	84283	NM_032323	TMEM79
A_24_P932939	1,4874	1,7763	-1,221708416	ENST00000420091	401052	NM_001008737	LOC401052
A_33_P3407356	3,666	3,95494	-1,22174229	N/A	731656	NR_027454	LINC01348
A_23_P124108	3,74312	4,03206	-1,22174229	ENST00000544665	3684	NM_000632	ITGAM
A_22_P00005757	3,27718	3,56621	-1,221818508	N/A	100129203	NR_110295	LOC100129203
A_22_P00024393	3,83202	4,12111	-1,221869323	N/A	100873941	NR_046634	OPA1-AS1
A_23_P66891	10,1861	10,4752	-1,221877793	ENST00000335793	23580	NM_012121	CDC42EP4
A_33_P3257015	13,9887	14,2778	-1,221877793	ENST00000580496	N/A	N/A	N/A
A_23_P50591	8,41125	8,70041	-1,22192861	ENST00000263372	9424	NM_004823	KCNK6
A_22_P00021960	4,78609	5,07526	-1,22193708	N/A	N/A	N/A	Inc-SMYD3-2
A_23_P150407	9,27999	9,56922	-1,2219879	ENST00000616094	90993	NM_052854	CREB3L1
A_22_P00018253	8,75156	9,04084	-1,222030252	ENST00000411844	100132341	NR_024034	CLUHP3
A_23_P25674	11,4665	11,756	-1,222216616	ENST00000553652	1152	NM_001823	CKB
A_23_P206501	5,54899	5,83851	-1,22223356	ENST00000620745	497190	NM_001011880	CLEC18B
A_21_P0008950	2,57936	2,86895	-1,222292864	N/A	N/A	N/A	Inc-NDRG4-1
A_32_P105549	17,5458	17,8354	-1,222301337	ENST00000584982	728113	NM_001098845	ANXA8L1
A_22_P00001756	1,47522	1,76489	-1,222360645	ENST00000451816	N/A	N/A	N/A
A_33_P3245977	5,60105	5,89082	-1,222445375	ENST00000319854	134549	NM_133456	SHROOM1
A_22_P00018338	1,46449	1,75427	-1,222453849	ENST00000440351	N/A	N/A	N/A
A_21_P0009367	7,06763	7,35746	-1,222496216	N/A	N/A	N/A	Inc-TMEM105-2
A_24_P109432	8,81233	9,10222	-1,22254706	ENST00000478884	65065	NM_001114132	NBEAL1
A_23_P65442	11,3181	11,608	-1,222555534	ENST00000396864	10379	NM_006084	IRF9
A_22_P00006100	6,85432	7,14429	-1,222614854	ENST00000495363	N/A	N/A	N/A
A_33_P3268649	5,29487	5,58487	-1,222640278	ENST00000436643	66035	NM_001282864	SLC2A11

A_24_P944827	7,27672	7,5668	-1,222708077	ENST00000354449	10533	NM_006395	ATG7
A_23_P73239	11,4391	11,7292	-1,222725028	ENST00000360982	10787	NM_205842	NCKAP1
A_24_P219156	6,41895	6,70908	-1,222750454	ENST00000556186	55147	NM_001077351	RBM23
A_21_P0000991	1,65833	1,94847	-1,222758929	ENST00000419658	N/A	N/A	N/A
A_33_P3212930	1,73832	2,02846	-1,222758929	ENST00000605714	N/A	N/A	N/A
A_33_P3218951	5,1264	5,41662	-1,222826735	ENST00000254719	6117	NM_002945	RPA1
A_24_P75917	7,11863	7,40889	-1,22286064	ENST00000507171	9720	NM_014695	CCDC144A
A_24_P221883	11,3869	11,6772	-1,222894545	ENST00000488202	55486	NM_018622	PARL
A_21_P0014345	7,83705	8,12738	-1,222919975	N/A	N/A	N/A	N/A
A_23_P44768	10,3604	10,6508	-1,222979313	ENST00000331710	29110	NM_013254	TBK1
A_22_P00019456	2,1817	2,47211	-1,22298779	N/A	102723735	XR_424348	LOC102723735
A_22_P00017746	1,47313	1,76354	-1,22298779	N/A	N/A	AK095723	Inc-YES1-1
A_23_P117851	2,87244	3,16288	-1,223013221	ENST00000395018	594855	NM_001030005	CPLX3
A_24_P177279	1,5008	1,7913	-1,223064086	ENST00000306149	27254	NM_014460	CSDC2
A_33_P3501900	3,6568	3,94733	-1,223089519	ENST00000585659	386758	NR_037160	ZNF582-AS1
A_23_P138089	1,65354	1,94412	-1,223131909	ENST00000488271	4359	NM_000530	MPZ
A_21_P0001766	3,59685	3,88747	-1,223165822	ENST00000378479	400952	NR_033831	LINC01121
A_23_P397248	7,96124	8,25193	-1,223225172	ENST00000370565	9635	NM_006536	CLCA2
A_21_P0002484	3,07218	3,36289	-1,223242129	N/A	N/A	N/A	Inc-UXS1-2
A_23_P68807	7,76345	8,05424	-1,223309962	N/A	N/A	BC021857	N/A
A_33_P3281816	10,1012	10,392	-1,223318441	ENST00000449311	10487	NM_006367	CAP1
A_22_P00006971	4,28471	4,57551	-1,223318441	N/A	N/A	CU693275	Inc-GDE1-1
A_21_P0000334	6,62705	6,91789	-1,223352359	N/A	677829	NR_002979	SNORA49
A_22_P00018778	4,19486	4,48579	-1,223428679	ENST00000554787	N/A	N/A	N/A
A_33_P3291871	3,16288	3,45387	-1,223479561	N/A	N/A	N/A	N/A
A_22_P00025437	5,85041	6,1414	-1,223479561	N/A	92659	NR_015454	MAFG-AS1
A_24_P287756	11,2755	11,5665	-1,223488041	ENST00000300291	11051	NM_007006	NUDT21
A_22_P00015612	1,7116	2,00269	-1,223564369	ENST00000566385	100861549	NR_047492	LINC00562
A_23_P132405	13,3349	13,626	-1,22357285	ENST00000511325	28976	NM_014049	ACAD9
A_33_P3361309	14,4405	14,7317	-1,223657664	N/A	N/A	N/A	N/A
A_23_P20823	12,1017	12,3929	-1,223657664	ENST00000372715	89891	NM_052844	WDR34
A_24_P255114	2,14449	2,43571	-1,223674628	ENST00000299512	N/A	AF220493	N/A
A_21_P0011092	1,62941	1,92065	-1,223691592	N/A	N/A	N/A	XLOC_I2_003295

A_33_P3218772	6,11296	6,40423	-1,223717038	ENST00000397053	26019	NM_080599	UPF2
A_23_P88963	16,0596	16,3509	-1,223742485	ENST00000569545	226	NM_000034	ALDOA
A_24_P349743	14,5104	14,8017	-1,223742485	ENST00000429844	388524	NR_003662	RPSAP58
A_33_P3378383	1,63558	1,92697	-1,223818828	ENST00000571780	196968	NR_003260	DNM1P46
A_23_P210274	10,9578	11,2492	-1,223827311	ENST00000497443	25843	NM_015387	MOB4
A_21_P0011412	2,52633	2,8178	-1,223886693	ENST00000425045	196968	N/A	DNM1P46
A_21_P0013353	4,83386	5,12534	-1,223895176	N/A	N/A	N/A	XLOC_I2_014048
A_21_P0000344	9,92239	10,2139	-1,223920627	ENST00000396953	6161	NM_001007074	RPL32
A_33_P3346826	6,79689	7,08843	-1,223946078	ENST00000528652	9235	NM_001012633	IL32
A_32_P58407	8,08677	8,37833	-1,223963045	ENST00000369697	3752	AF070632	KCND3
A_24_P213354	14,1596	14,4512	-1,223996981	ENST00000396131	N/A	N/A	N/A
A_23_P53788	11,9204	12,2121	-1,224081825	ENST00000461838	219402	NM_152912	MTIF3
A_33_P3275948	10,7528	11,0445	-1,224081825	ENST00000396013	83930	NM_032016	STARD3NL
A_22_P00005297	4,19758	4,48928	-1,224081825	ENST00000242315	23349	XR_242502	KIAA1045
A_33_P3209176	13,8747	14,1664	-1,224081825	N/A	N/A	N/A	N/A
A_33_P3363173	4,35914	4,65091	-1,22414122	N/A	N/A	N/A	N/A
A_24_P51080	3,85019	4,14197	-1,224149705	N/A	441094	NR_109818	NR2F1-AS1
A_22_P00005444	2,30564	2,59742	-1,224149705	N/A	N/A	N/A	Inc-DUSP1-3
A_21_P0009581	1,63048	1,92227	-1,22415819	N/A	N/A	N/A	Inc-ZADH2-2
A_33_P3281358	7,26643	7,55822	-1,22415819	ENST00000472621	377	XM_005268856	ARF3
A_33_P3352517	1,54431	1,83617	-1,224217588	ENST00000381139	641372	NM_001037162	ACOT6
A_22_P00025942	1,50981	1,80172	-1,224260017	ENST00000319701	100287948	N/A	GM140
A_21_P0005368	5,08159	5,37354	-1,224293961	N/A	N/A	N/A	Inc-GARS-4
A_23_P132226	11,0292	11,3212	-1,224336392	ENST00000403880	8459	NM_001008566	TPST2
A_23_P89884	12,9708	13,2629	-1,22442126	ENST00000595974	10155	NM_005762	TRIM28
A_23_P216630	13,1988	13,4909	-1,22442126	ENST00000374720	23446	NM_080546	SLC44A1
A_33_P3364038	1,49307	1,78519	-1,224438234	ENST00000522154	345611	NM_001145805	IRGM
A_21_P0004758	6,66007	6,95226	-1,224497646	N/A	N/A	N/A	Inc-HMGCLL1-1
A_21_P0001924	1,46173	1,75392	-1,224497646	N/A	N/A	N/A	Inc-ACVR2A-1
A_23_P102262	11,8642	12,1564	-1,224506133	ENST00000393909	9801	NM_014763	MRPL19
A_33_P3414267	2,65243	2,94474	-1,224599501	ENST00000255008	6754	NM_001052	SSTR4
A_24_P6467	4,70964	5,00203	-1,224667409	ENST00000393277	163259	NM_198459	DENND2C
A_21_P0004859	5,20755	5,49995	-1,224675898	N/A	11120	NM_001197234	BTN2A1

A_23_P59426	10,9359	11,2283	-1,224675898	ENST00000473219	22976	NM_007349	PAXIP1
A_33_P3378051	4,84359	5,136	-1,224684386	ENST00000428443	91404	NM_178123	SESTD1
A_22_P00011998	5,16083	5,45332	-1,224752299	N/A	101928153	NR_110531	ITGA9-AS1
A_23_P171143	12,7178	13,0103	-1,224760789	ENST00000373020	7105	NM_003270	TSPAN6
A_22_P00023286	3,2847	3,57722	-1,224777768	N/A	N/A	XR_133208	Inc-CD1D-3
A_21_P0012271	1,96004	2,25256	-1,224777768	N/A	N/A	N/A	XLOC_I2_009405
A_33_P3248028	1,47102	1,76358	-1,224811726	N/A	N/A	N/A	N/A
A_33_P3316728	1,43507	1,72773	-1,224896626	ENST00000567850	N/A	BC006530	N/A
A_22_P00008471	1,77728	2,06997	-1,224922098	N/A	N/A	N/A	Inc-KCNA1-2
A_24_P315346	1,5635	1,85623	-1,22495606	ENST00000419331	29797	NR_024583	POM121L8P
A_23_P132294	13,1592	13,452	-1,225015497	ENST00000406772	26088	NM_001001560	GGA1
A_23_P142708	9,90658	10,1994	-1,225032479	ENST00000434524	81562	NM_030805	LMAN2L
A_21_P0008805	4,1231	4,41593	-1,225040971	N/A	N/A	N/A	Inc-TM2D3-1
A_24_P223604	12,8115	13,1044	-1,225100411	ENST00000517624	25962	NM_015496	KIAA1429
A_22_P00000148	10,1101	10,403	-1,225100411	N/A	101928760	XR_245260	LOC101928760
A_22_P00011393	9,54484	9,83778	-1,225134379	ENST00000427240	728448	NR_003929	PPIEL
A_23_P152678	9,21774	9,51073	-1,22517684	ENST00000477683	27077	NM_015681	B9D1
A_22_P00021255	1,79063	2,08366	-1,225210809	N/A	102723671	XR_426671	LOC102723671
A_23_P402670	1,63855	1,93162	-1,22524478	ENST00000289429	909	NM_001763	CD1A
A_33_P3339202	5,75168	6,04493	-1,225397659	ENST00000563550	149086	N/A	LINC01225
A_33_P3295650	4,48541	4,77866	-1,225397659	ENST00000265381	320	NM_001163	APBA1
A_22_P00003387	4,94388	5,23716	-1,22542314	N/A	N/A	N/A	Inc-CCDC107-2
A_21_P0006808	1,61801	1,91129	-1,22542314	N/A	N/A	N/A	Inc-GTPBP4-2
A_23_P41166	8,98162	9,27491	-1,225431634	ENST00000392781	8706	NM_001038628	B3GALNT1
A_24_P305764	11,9244	12,2177	-1,225440129	ENST00000379404	6611	NM_004595	SMS
A_23_P6201	1,59027	1,88358	-1,225448623	ENST00000536861	149998	NM_198996	LIPI
A_23_P377882	4,23169	4,52502	-1,225465611	ENST00000461280	3757	NM_172056	KCNH2
A_23_P149813	2,6533	2,94669	-1,225516578	ENST00000602389	6251	NM_012425	RSU1
A_22_P00025333	5,40444	5,69791	-1,225584537	ENST00000451376	220972	NM_145021	mar-08
A_24_P551842	17,4978	17,7913	-1,225610022	ENST00000361789	4519	HV444967	CYTB
A_19_P00322737	4,37849	4,67212	-1,225720466	ENST00000594934	9534	NM_001278663	ZNF254
A_24_P54485	8,67955	8,97322	-1,225754451	ENST00000259229	84317	NM_032357	CCDC115
A_22_P00010188	2,14084	2,43452	-1,225762947	N/A	N/A	N/A	Inc-MRPS5-1

A_22_P00021338	8,8728	9,16651	-1,225788436	ENST00000621494	55668	NM_017926	GPATCH2L
A_22_P00013211	5,16899	5,46272	-1,225805429	N/A	80862	NR_026751	ZNRD1-AS1
A_24_P753476	8,55181	8,84555	-1,225813926	ENST00000442849	340508	NR_002942	GAS2L1P2
A_33_P3224423	7,4362	7,72996	-1,22583092	ENST00000430942	27434	NM_013284	POLM
A_22_P00003735	1,5646	1,85836	-1,22583092	ENST00000563811	N/A	N/A	N/A
A_22_P00011209	1,40756	1,70135	-1,22585641	N/A	N/A	N/A	Inc-OLR1-3
A_33_P3321050	9,39394	9,68774	-1,225864907	ENST00000402863	9749	NM_001100165	PHACTR2
A_22_P00007260	4,06448	4,35832	-1,225898896	N/A	N/A	N/A	Inc-GPR144-2
A_24_P127021	11,1915	11,4854	-1,225949881	ENST00000522430	6767	NM_003932	ST13
A_33_P3306363	3,91252	4,20645	-1,225975374	N/A	N/A	N/A	N/A
A_23_P94879	1,7257	2,01965	-1,22599237	ENST00000311907	2147	NM_000506	F2
A_22_P00022720	1,54688	1,84085	-1,226009366	ENST00000554921	N/A	N/A	N/A
A_19_P00802168	3,42537	3,7194	-1,226060355	N/A	N/A	N/A	XLOC_I2_012323
A_21_P0010031	1,49642	1,79047	-1,226077352	N/A	N/A	N/A	Inc-FAM182B-7
A_22_P00014403	3,53793	3,83202	-1,226111346	ENST00000509943	N/A	N/A	N/A
A_23_P254702	12,4	12,6941	-1,226119845	ENST00000397239	7913	NM_003472	DEK
A_23_P90743	1,61778	1,91194	-1,226170839	ENST00000233735	5967	NM_002909	REG1A
A_33_P3314086	1,55236	1,84656	-1,226204836	N/A	170067	NM_001136233	SUPT20HL2
A_33_P3330731	3,27449	3,56873	-1,226238834	ENST00000406335	25807	N/A	RHBDD3
A_23_P76951	13,5471	13,8414	-1,226289833	ENST00000457354	81542	NM_030755	TMX1
A_23_P77813	11,715	12,0093	-1,226289833	ENST00000269373	79672	NM_024619	FN3KRP
A_33_P3281408	12,2348	12,5291	-1,226289833	ENST00000402708	51646	NM_001127401	YPEL5
A_24_P11307	10,0389	10,3332	-1,226289833	ENST00000481423	10768	NM_006621	AHCYL1
A_33_P3314794	1,45947	1,7538	-1,226315334	ENST00000254653	79781	NM_024726	IQCA1
A_22_P00013623	1,46971	1,76408	-1,226349335	N/A	N/A	N/A	Inc-RP11-58E21.3.1-1
A_22_P00009167	4,16514	4,45956	-1,226391838	N/A	N/A	N/A	Inc-LMX1A-1
A_33_P3391826	2,71724	3,01171	-1,226434342	ENST00000373611	2691	NM_021081	GHRH
A_21_P0006279	4,40048	4,69496	-1,226442843	N/A	N/A	N/A	Inc-TRPM6-4
A_33_P3265956	11,745	12,0395	-1,226459845	N/A	9139	JF432662	CBFA2T2
A_21_P0011596	1,42473	1,71945	-1,226646885	N/A	N/A	N/A	XLOC_I2_006138
A_24_P68783	1,60747	1,9022	-1,226655388	ENST00000393200	26525	NM_012275	IL36RN
A_33_P3285580	5,66042	5,95519	-1,226689398	N/A	132158	NM_145262	GLYCTK
A_23_P18649	1,60449	1,89931	-1,226731913	ENST00000394329	79633	NM_001291303	FAT4



A_22_P00019353	1,63004	1,9249	-1,226765925	ENST00000565936	101928752	XR_245846	LINC01043
A_21_P0013308	4,60464	4,89953	-1,226791436	N/A	N/A	N/A	XLOC_I2_013846
A_23_P12733	1,54282	1,83773	-1,226808443	ENST00000373255	55506	NM_018649	H2AFY2
A_23_P342131	7,39164	7,68656	-1,226816946	ENST00000540755	220002	NM_153611	CYB561A3
A_19_P00318227	4,48459	4,77953	-1,226833954	N/A	N/A	N/A	Inc-RGL4-1
A_33_P3421728	1,47934	1,77434	-1,226884977	ENST00000265022	1608	NM_001346	DGKG
A_23_P147255	2,02028	2,31531	-1,22691049	ENST00000400314	54039	NM_020528	PCBP3
A_23_P103371	5,1941	5,48913	-1,22691049	ENST00000373440	113451	NM_052998	AZIN2
A_33_P3372874	1,47874	1,77379	-1,226927499	ENST00000327968	168400	NM_182699	DDX53
A_33_P3231858	5,89576	6,191	-1,227089093	N/A	100133991	NR_024435	MAP3K14-AS1
A_22_P00017304	1,65567	1,95093	-1,227106104	N/A	N/A	N/A	Inc-USP20-1
A_21_P0011907	5,23235	5,52788	-1,227335778	N/A	N/A	N/A	XLOC_I2_007931
A_19_P00320101	1,45959	1,75515	-1,2273613	N/A	283174	NR_024344	MIR4697HG
A_32_P182156	11,2903	11,5859	-1,22739533	ENST00000463816	118472	NM_145806	ZNF511
A_23_P201939	8,73693	9,03254	-1,227403838	ENST00000471106	333926	NM_005167	PPM1J
A_33_P3251751	1,65099	1,9466	-1,227403838	N/A	134147	NM_138809	CMBL
A_22_P00020649	3,31416	3,60981	-1,22743787	ENST00000452888	N/A	N/A	N/A
A_22_P00001848	4,81959	5,11528	-1,227471902	N/A	100507062	NR_038286	PSMD6-AS2
A_23_P159227	10,7129	11,0086	-1,22748041	ENST00000461564	8751	NM_207191	ADAM15
A_23_P127186	11,74	12,0359	-1,227650587	ENST00000368997	10579	NM_206862	TACC2
A_33_P3312564	11,3616	11,6575	-1,227650587	ENST00000414733	N/A	N/A	N/A
A_21_P0000659	5,94897	6,24493	-1,227701644	ENST00000426037	100289373	NR_036531	UBAC2-AS1
A_21_P0010686	4,59622	4,89218	-1,227701644	ENST00000412115	N/A	N/A	N/A
A_24_P94319	3,78849	4,08447	-1,227718664	ENST00000371273	163747	NM_152607	C1orf177
A_33_P3420665	3,29019	3,58627	-1,227803766	ENST00000394237	N/A	XM_006715292	N/A
A_33_P3303015	16,0943	16,3904	-1,227820787	ENST00000418783	6203	NM_001013	RPS9
A_33_P3306153	5,93261	6,22874	-1,227846319	ENST00000356719	84542	NM_032506	KIAA1841
A_33_P3311711	1,87695	2,17311	-1,227871852	N/A	N/A	N/A	N/A
A_24_P386746	3,05694	3,35312	-1,227888874	ENST00000543045	83758	NM_031491	RBP5
A_23_P135184	12,4774	12,7736	-1,227905896	ENST00000393157	5900	NM_001042368	RALGDS
A_32_P177539	1,64922	1,94543	-1,227914407	ENST00000290552	79190	NM_024335	IRX6
A_23_P115492	4,89548	5,19175	-1,227965476	ENST00000366965	79805	NM_024749	VASH2
A_24_P29401	7,95655	8,25289	-1,228025059	ENST00000521381	5295	NM_181523	PIK3R1

A_22_P00002378	1,63943	1,93581	-1,228059107	ENST00000538920	N/A	DA719165	N/A
A_33_P3348151	5,72696	6,02342	-1,228127207	N/A	N/A	N/A	N/A
A_23_P308136	2,55639	2,85286	-1,22813572	ENST00000453152	135892	NM_178125	TRIM50
A_21_P0003766	1,65156	1,94804	-1,228144233	N/A	N/A	N/A	Inc-NUDT6-1
A_24_P409830	2,7101	3,00659	-1,228152745	ENST00000417412	642006	N/A	GUSBP10
A_24_P233878	7,94981	8,24633	-1,228178284	ENST00000491626	54834	NM_017686	GDAP2
A_23_P19886	1,46709	1,76365	-1,228212337	ENST00000381539	387129	NM_207173	NPSR1
A_21_P0006264	1,47939	1,77598	-1,228237877	N/A	N/A	N/A	Inc-SHB-1
A_23_P103414	12,7681	13,0647	-1,228246391	ENST00000542507	51441	NM_016258	YTHDF2
A_21_P0005088	1,3985	1,69511	-1,228254905	N/A	N/A	N/A	Inc-FRMD1-4
A_21_P0009680	1,39942	1,69604	-1,228263418	N/A	N/A	N/A	Inc-SNAPC2-2
A_33_P3421365	7,07491	7,37155	-1,228280446	ENST00000395395	169841	NM_001301275	ZNF169
A_22_P00014904	1,55028	1,84696	-1,228314501	N/A	N/A	DA759359	Inc-SLCO1A2-1
A_21_P0000577	2,67248	2,96918	-1,22833153	N/A	100289511	NR_029378	LOC100289511
A_21_P0001107	5,83025	6,12696	-1,228340044	N/A	N/A	N/A	Inc-ID3-4
A_23_P94141	5,786	6,08278	-1,228399645	ENST00000481490	25788	NM_001205262	RAD54B
A_22_P00001138	8,08366	8,3805	-1,228450733	ENST00000582866	N/A	AK098016	N/A
A_33_P3233050	1,50064	1,79752	-1,228484794	N/A	25813	AK124895	SAMM50
A_24_P205213	4,21941	4,5163	-1,228493309	ENST00000396151	411	NM_198709	ARSB
A_23_P52266	12,0688	12,3657	-1,228501824	ENST00000371804	3434	NM_001548	IFIT1
A_33_P3260684	1,46348	1,7604	-1,228518855	ENST00000355728	254879	NM_001005471	OR2T6
A_33_P3316239	4,54938	4,84633	-1,228544402	N/A	100130419	AK126781	LOC100130419
A_22_P00012461	4,47966	4,77665	-1,228578465	N/A	N/A	N/A	Inc-PRR14-1
A_23_P107801	7,66459	7,96161	-1,228604012	ENST00000221671	84167	NM_032207	C19orf44
A_21_P0006175	1,66819	1,96524	-1,228629561	N/A	N/A	N/A	Inc-GADD45G-2
A_22_P00009772	1,6587	1,95575	-1,228629561	N/A	N/A	DA853231	Inc-MED12L-2
A_23_P116902	3,73174	4,02885	-1,228680659	ENST00000228936	420	NM_021071	ART4
A_22_P00010587	1,459	1,75612	-1,228689176	N/A	N/A	BX641061	Inc-NDNL2-1
A_21_P0008131	3,72733	4,02446	-1,228697692	N/A	N/A	N/A	Inc-CENPJ-2
A_22_P00017797	6,40398	6,70117	-1,228748794	ENST00000569134	N/A	AF086375	N/A
A_33_P3358243	11,7001	11,9973	-1,228757311	ENST00000297625	57462	NM_020702	KIAA1161
A_32_P942508	1,80643	2,1037	-1,228816932	ENST00000613377	284123	NR_028336	FAM27L
A_21_P0009772	2,37305	2,67034	-1,228833967	N/A	N/A	N/A	Inc-GNG8-1

A_22_P00003261	8,84026	9,13762	-1,228893592	N/A	N/A	CR749568	lnc-CALHM3-2
A_33_P3243935	2,13672	2,43412	-1,228927664	N/A	N/A	AF130083	N/A
A_22_P00016186	1,45137	1,74878	-1,228936183	ENST00000565707	N/A	BC040335	N/A
A_21_P0010469	4,30906	4,60647	-1,228936183	N/A	100144603	NR_110536	CHKB-AS1
A_33_P3317442	4,78273	5,08022	-1,229004331	ENST00000375608	23263	NM_024979	MCF2L
A_22_P00012817	1,47489	1,77241	-1,229029888	ENST00000455576	N/A	DA240288	N/A
A_23_P18806	9,41277	9,71029	-1,229029888	ENST00000519064	81555	NM_001024947	YIPF5
A_21_P0000418	1,50457	1,80212	-1,229055445	N/A	767599	NR_003214	SNORD114-21
A_33_P3225046	2,46061	2,75816	-1,229055445	ENST00000485761	947	NM_001025109	CD34
A_33_P3351791	3,58561	3,88317	-1,229063964	N/A	N/A	N/A	N/A
A_21_P0007168	5,75031	6,04788	-1,229072484	ENST00000617529	101927503	XR_428869	LOC101927503
A_23_P324989	3,48153	3,77923	-1,229183239	ENST00000420326	9400	AB042823	RECQL5
A_33_P3404546	5,81246	6,11025	-1,229259922	ENST00000570156	84033	NM_001271223	OBSCN
A_33_P3883912	9,18422	9,48207	-1,229311047	ENST00000324170	54819	NM_017665	ZCCHC10
A_33_P3247988	7,76682	8,06472	-1,229353652	ENST00000586616	54760	NM_017573	PCSK4
A_32_P95960	2,65349	2,9514	-1,229362173	ENST00000290855	29121	NM_001004419	CLEC2D
A_21_P0002419	1,49838	1,7963	-1,229370695	N/A	N/A	N/A	lnc-CAPN13-2
A_21_P0000143	3,78924	4,08719	-1,229396259	N/A	84516	NM_001199011	DCTN5
A_23_P12680	6,83336	7,13138	-1,229455911	ENST00000394934	5660	NM_001042465	PSAP
A_23_P67589	11,8218	12,1199	-1,229524088	ENST00000597371	55049	NM_001100418	C19orf60
A_23_P310582	7,54495	7,84309	-1,229558179	ENST00000418497	54879	NM_138729	ST7L
A_23_P25735	14,8793	15,1775	-1,229609315	ENST00000554541	5687	NM_002791	PSMA6
A_22_P00005071	1,71656	2,01483	-1,229668978	N/A	N/A	N/A	lnc-DERA-1
A_24_P299663	2,11327	2,41157	-1,229694548	ENST00000622512	10472	NM_006352	ZBTB18
A_22_P00007736	1,51376	1,8121	-1,229728643	ENST00000529545	55823	N/A	VPS11
A_22_P00022348	4,52679	4,82516	-1,229754215	ENST00000436492	N/A	N/A	N/A
A_23_P101073	1,92329	2,22171	-1,229796836	ENST00000322608	8387	NM_003553	OR1E1
A_22_P00020739	4,34796	4,64649	-1,229890607	ENST00000434321	N/A	N/A	N/A
A_21_P0001536	1,5392	1,8378	-1,229950283	N/A	N/A	N/A	lnc-GTF2B-2
A_23_P117546	9,76696	10,0656	-1,229984385	ENST00000216373	6655	NM_006939	SOS2
A_22_P00007485	4,42791	4,72656	-1,22999291	N/A	N/A	N/A	lnc-GTPBP8-2
A_24_P224116	2,12534	2,424	-1,230001436	ENST00000308366	5319	NM_000928	PLA2G1B
A_33_P3246108	6,61511	6,91377	-1,230001436	ENST00000326765	81575	NM_001130415	APOLD1

A_33_P3406778	1,90078	2,19949	-1,230044065	ENST00000405431	N/A	AK023843	N/A
A_19_P00318679	2,95439	3,25312	-1,230061118	ENST00000558071	N/A	XR_424607	N/A
A_24_P116606	5,36815	5,66692	-1,230095223	ENST00000355860	51741	NM_130791	WVVOX
A_22_P00008175	2,0227	2,32155	-1,230163435	N/A	N/A	N/A	Inc-INPP4B-2
A_23_P119562	12,9156	13,2145	-1,23020607	ENST00000617994	1675	NM_001928	CFD
A_33_P3362891	12,8693	13,1683	-1,230291345	ENST00000356674	3181	NM_002137	HNRNPA2B1
A_24_P406132	12,0949	12,3939	-1,230291345	ENST00000211287	5603	NM_002754	MAPK13
A_22_P00021463	1,64681	1,94584	-1,230316928	ENST00000449525	N/A	N/A	N/A
A_21_P0002006	1,64908	1,94814	-1,230342512	N/A	104326052	NR_126359	NRIR
A_23_P158596	9,51748	9,81657	-1,230368097	ENST00000513739	57085	NM_001040196	AGTRAP
A_21_P0014721	3,81633	4,11545	-1,230393682	ENST00000512175	100506564	NM_001256475	THEGL
A_33_P3274701	2,21075	2,50991	-1,230427796	N/A	N/A	AK024162	N/A
A_32_P99902	10,728	11,0272	-1,230461911	ENST00000505341	123207	NM_144597	C15orf40
A_24_P93452	9,93059	10,2298	-1,23047044	ENST00000465511	N/A	N/A	N/A
A_33_P3212269	2,54194	2,84121	-1,230521615	ENST00000534743	N/A	N/A	N/A
A_23_P38468	11,8683	12,1676	-1,230547203	ENST00000550383	30851	NM_014604	TAX1BP3
A_23_P98744	4,47028	4,76958	-1,230547203	ENST00000325719	119774	NM_001005172	OR52K2
A_19_P00315581	12,0298	12,3292	-1,230632501	ENST00000452840	400955	NR_033873	LINC01122
A_33_P3237517	6,74876	7,04817	-1,230641031	ENST00000369578	23036	AK123473	ZNF292
A_21_P0014853	7,92089	8,22034	-1,230675152	ENST00000500823	100652791	NR_045217	GS1-24F4.2
A_22_P00014056	1,49992	1,79942	-1,230717805	ENST00000569009	N/A	AI114816	N/A
A_23_P345678	4,36558	4,66509	-1,230726336	ENST00000287647	2177	NM_033084	FANCD2
A_33_P3238215	10,9929	11,2925	-1,230803115	ENST00000493868	22837	NM_001278458	COBLL1
A_23_P375524	15,3855	15,6851	-1,230803115	ENST00000326233	353134	NM_178352	LCE1D
A_22_P00000584	4,23737	4,53698	-1,230811646	ENST00000497320	N/A	XR_426123	N/A
A_22_P00012712	1,4752	1,77482	-1,230820178	ENST00000521274	N/A	N/A	N/A
A_23_P393025	1,49745	1,79712	-1,230862835	ENST00000280191	132851	BC039342	SPATA4
A_33_P3353581	12,154	12,4537	-1,230888431	ENST00000554337	3476	NM_001551	IGBP1
A_23_P69826	12,6483	12,9481	-1,230973752	ENST00000510645	1665	NM_001358	DHX15
A_24_P85258	1,47759	1,77741	-1,230990817	ENST00000270720	85452	AB051538	CFAP74
A_33_P3408983	6,64061	6,94048	-1,231033481	ENST00000512211	324	NM_001127511	APC
A_23_P105747	8,66037	8,96026	-1,231050547	ENST00000547790	55198	NM_018171	APPL2
A_22_P00015968	3,15071	3,45062	-1,231067613	ENST00000522960	N/A	N/A	N/A

A_23_P42096	9,63415	9,93408	-1,231084679	ENST00000490904	4216	NM_005922	MAP3K4
A_21_P0011670	1,58116	1,8811	-1,231093213	N/A	N/A	N/A	XLOC_I2_006578
A_33_P3395321	13,5736	13,8736	-1,231144413	ENST00000584079	51155	NM_001002032	HN1
A_33_P3253006	1,47328	1,77331	-1,231170015	N/A	1409	X14789	CRYAA
A_21_P0009223	3,13795	3,43801	-1,231195616	ENST00000458492	N/A	N/A	N/A
A_24_P59247	12,8512	13,1513	-1,231229753	ENST00000537214	N/A	N/A	N/A
A_22_P00017692	2,09379	2,39392	-1,231255356	ENST00000422548	100505918	NR_037851	LOC100505918
A_33_P3289050	1,5445	1,84467	-1,231289494	ENST00000419273	N/A	N/A	N/A
A_33_P3338693	5,55046	5,85063	-1,231289494	ENST00000495883	6616	NM_003081	SNAP25
A_23_P348524	1,5965	1,89669	-1,231306563	ENST00000308906	198437	NM_001007125	LKAAEAR1
A_21_P0001705	12,1905	12,4907	-1,231315098	ENST00000620190	57234	NR_111952	LINC00869
A_21_P0009734	8,48321	8,78343	-1,231332168	ENST00000606966	N/A	XR_244051	N/A
A_33_P3403179	6,82201	7,12225	-1,231349238	N/A	N/A	N/A	XLOC_I2_011987
A_33_P3302662	1,66411	1,96436	-1,231357773	ENST00000461758	7091	N/A	TLE4
A_23_P382794	4,1276	4,42791	-1,231408985	ENST00000538986	259295	NM_176889	TAS2R20
A_19_P00804120	3,00363	3,30398	-1,231443127	N/A	N/A	N/A	N/A
A_21_P0003826	1,66637	1,96675	-1,231468734	N/A	N/A	N/A	Inc-S100P-1
A_23_P428842	10,7639	11,0643	-1,231485806	ENST00000347147	93109	NM_138399	TMEM44
A_23_P90453	4,19268	4,49311	-1,231511415	ENST00000338897	388533	NM_207392	KRTDAP
A_33_P3217764	3,87923	4,17968	-1,231528487	N/A	N/A	N/A	Inc-C4orf42-3
A_23_P170541	2,08129	2,38174	-1,231528487	ENST00000456941	81033	NM_173092	KCNH6
A_33_P3791552	1,47884	1,77935	-1,231579706	N/A	284950	NR_038888	LOC284950
A_22_P00005910	5,96595	6,26663	-1,231724838	ENST00000545239	338817	NR_033890	LINC01252
A_33_P3353365	3,8667	4,16739	-1,231733376	ENST00000397076	10050	XM_006714946	SLC17A4
A_21_P0009228	4,56653	4,8673	-1,231801679	N/A	102724831	XR_424804	LOC102724831
A_22_P00002920	4,26773	4,56851	-1,231810217	N/A	N/A	N/A	Inc-C5orf25-1
A_22_P00004848	6,15168	6,45251	-1,231852909	ENST00000518024	100133669	BC007589	LOC100133669
A_33_P3296975	3,6925	3,99336	-1,231878525	ENST00000393544	N/A	AK093353	N/A
A_21_P0007422	5,26659	5,56746	-1,231887064	N/A	N/A	N/A	Inc-RP11-890B15.2.1-2
A_23_P134755	7,54654	7,84741	-1,231887064	ENST00000395715	7227	NM_014112	TRPS1
A_21_P0014277	4,29557	4,59644	-1,231887064	N/A	100506606	NR_103860	LOC100506606
A_21_P0004784	3,21124	3,51215	-1,23192122	ENST00000421237	N/A	N/A	N/A
A_22_P00014784	1,54115	1,84207	-1,231929759	N/A	N/A	BM932316	Inc-SLC38A8-4

A_33_P3335725	3,86696	4,16789	-1,231938298	ENST00000341500	3643	NM_000208	INSR
A_23_P118693	4,46021	4,76117	-1,231963916	ENST00000226247	8456	NM_003593	FOXN1
A_23_P98085	8,98372	9,2847	-1,231980994	ENST00000532280	5728	NM_000314	PTEN
A_23_P46894	5,10983	5,41082	-1,231989534	ENST00000395562	1103	NM_020549	CHAT
A_24_P273413	11,6105	11,9115	-1,231998073	ENST00000409040	27436	XM_005264268	EML4
A_23_P141520	12,201	12,502	-1,231998073	ENST00000546495	124944	NM_174893	C17orf49
A_33_P3384337	1,82165	2,12267	-1,232015153	N/A	N/A	N/A	N/A
A_21_P0005740	1,34676	1,64779	-1,232023692	N/A	N/A	N/A	Inc-SPAG1-2
A_21_P0008061	1,61428	1,91533	-1,232040772	N/A	N/A	N/A	Inc-SPERT-1
A_22_P00009975	1,47284	1,77392	-1,232066392	N/A	N/A	N/A	Inc-MKKS-3
A_33_P3372580	10,8613	11,1624	-1,232083472	ENST00000618996	9382	NM_018714	COG1
A_24_P348594	1,64256	1,94366	-1,232083472	ENST00000216211	7380	NM_006953	UPK3A
A_33_P3356182	2,37393	2,67506	-1,232109093	N/A	N/A	N/A	N/A
A_24_P158946	9,91892	10,2201	-1,232151795	ENST00000395740	121512	NM_139241	FGD4
A_23_P23006	12,9649	13,2661	-1,232168876	ENST00000464385	4898	NM_002525	NRD1
A_24_P156388	7,04349	7,34472	-1,232194499	ENST00000381031	55020	NM_017931	TTC38
A_21_P0000297	5,34851	5,64978	-1,232228663	N/A	26786	NR_002914	SNORD62A
A_24_P145184	1,48555	1,78684	-1,232245746	ENST00000373964	1620	BC021560	BRINP1
A_24_P393958	8,30024	8,60153	-1,232245746	ENST00000370763	11080	NM_007034	DNAJB4
A_22_P00001987	1,67813	1,97953	-1,232339703	ENST00000451230	N/A	N/A	N/A
A_33_P3231432	14,7902	15,0917	-1,232425125	ENST00000396075	3945	NM_001174097	LDHB
A_23_P24311	5,47063	5,77214	-1,232433668	ENST00000349015	222	NM_000695	ALDH3B2
A_33_P3799936	11,7253	12,0269	-1,232510554	ENST00000167825	55160	NM_018125	ARHGEF10L
A_33_P3363355	11,8823	12,1839	-1,232510554	ENST00000393717	3386	NM_022377	ICAM4
A_22_P00010047	2,49155	2,79317	-1,23252764	N/A	N/A	DA240949	Inc-MOCS2-1
A_33_P3302220	7,67885	7,98049	-1,232544727	ENST00000547594	7181	NM_001032287	NR2C1
A_24_P182620	9,97205	10,2737	-1,23255327	ENST00000498157	1952	NM_001408	CELSR2
A_21_P0006731	5,01991	5,32157	-1,232561813	ENST00000425246	N/A	N/A	N/A
A_24_P527404	5,85179	6,15346	-1,232570357	ENST00000372037	657	NM_004329	BMPR1A
A_24_P23258	10,1057	10,4074	-1,232595988	ENST00000406902	23151	NM_015124	GRAMD4
A_22_P00005726	5,0544	5,35619	-1,232672883	ENST00000506534	100287592	NR_104653	LOC100287592
A_22_P00017614	1,53445	1,83624	-1,232672883	N/A	N/A	N/A	Inc-WFDC2-2
A_33_P3376836	10,3994	10,7012	-1,232681428	N/A	N/A	N/A	N/A

A_23_P25150	9,74018	10,042	-1,232698516	ENST00000504557	3225	NM_006897	HOXC9
A_33_P3292218	11,3895	11,6914	-1,232766874	ENST00000515696	N/A	N/A	N/A
A_23_P9018	3,32226	3,62416	-1,232766874	ENST00000314265	503618	NM_001040702	DEFB104B
A_22_P00010270	1,50468	1,80664	-1,232818144	ENST00000563331	101928614	XR_243492	LOC101928614
A_33_P3338491	4,679	4,98102	-1,232869417	N/A	392196	NR_003275	LOC392196
A_19_P00319534	1,87932	2,18136	-1,232886508	N/A	8123	NR_022008	PWAR5
A_33_P3421759	7,81282	8,11486	-1,232886508	ENST00000300278	6651	NM_032195	SON
A_23_P5089	12,823	13,1251	-1,232937783	ENST00000590265	513	NM_001001975	ATP5D
A_22_P00022223	7,31219	7,61431	-1,232954876	N/A	103695435	NR_125768	BBOX1-AS1
A_33_P3257170	7,16975	7,47192	-1,232997607	ENST00000461523	80742	AK131382	PRR3
A_33_P3362548	5,09519	5,39743	-1,233057434	N/A	N/A	N/A	N/A
A_22_P00009189	1,69475	1,99704	-1,233100169	ENST00000413062	N/A	N/A	N/A
A_23_P36928	12,3232	12,6256	-1,233194192	ENST00000399696	51082	NM_015972	POLR1D
A_23_P217228	1,51563	1,81806	-1,233219836	ENST00000492706	7216	NM_016157	TRO
A_33_P3348927	2,62009	2,92256	-1,233254029	N/A	N/A	N/A	N/A
A_21_P0002020	4,01063	4,31312	-1,233271125	ENST00000448379	N/A	N/A	N/A
A_33_P3406265	2,20442	2,50696	-1,233313868	N/A	N/A	N/A	N/A
A_21_P0014494	10,6248	10,9274	-1,233365161	N/A	101928649	NR_109909	CTC-338M12.4
A_21_P0013589	5,71292	6,01552	-1,233365161	ENST00000451596	100507540	NR_110953	LINC01504
A_21_P0010945	1,54638	1,84905	-1,233425006	N/A	101929287	N/A	LOC101929287
A_24_P254346	10,3934	10,6961	-1,233450654	ENST00000497493	10311	NM_006052	DSCR3
A_33_P3343090	12,6322	12,9349	-1,233450654	ENST00000601097	55201	NM_018174	MAP1S
A_33_P3238410	6,05607	6,35878	-1,233459204	ENST00000390679	6305	NM_002972	SBF1
A_23_P336678	5,46857	5,77129	-1,233467754	ENST00000314140	122876	NM_145171	GPHB5
A_22_P00001724	8,68283	8,98559	-1,233501953	N/A	N/A	BP417745	Inc-ATG7-2
A_23_P127662	2,09971	2,40258	-1,233596007	ENST00000357821	283159	NM_001002917	OR8D1
A_22_P00018504	1,50271	1,80565	-1,233655862	N/A	101927356	NR_110076	LOC101927356
A_33_P3263824	11,3532	11,6562	-1,23370717	ENST00000476012	84545	NM_176793	MRPL43
A_21_P0001368	4,06402	4,36703	-1,233715721	N/A	101929147	N/A	LOC101929147
A_33_P3420611	1,65127	1,95438	-1,233801239	ENST00000545221	124538	NM_001004707	OR4D2
A_22_P00006383	1,7347	2,0379	-1,23387821	N/A	N/A	N/A	Inc-FBN2-4
A_21_P0000155	6,34901	6,65226	-1,233920973	ENST00000460021	5701	NM_001204453	PSMC2
A_24_P61772	3,27605	3,57931	-1,233929526	ENST00000261651	96597	XM_006710029	TBC1D27

A_22_P00009994	1,73081	2,03412	-1,233972292	ENST00000445051	101929548	NR_121601	FOCAD-AS1
A_21_P0014789	1,65603	1,9594	-1,234023612	ENST00000538759	N/A	N/A	N/A
A_21_P0009650	5,90494	6,20834	-1,234049273	ENST00000595783	100652911	XR_132655	LOC100652911
A_32_P850562	5,92959	6,23303	-1,234083489	N/A	102724826	NR_126466	ZNF337-AS1
A_23_P132889	3,68077	3,98429	-1,234151923	ENST00000511535	1400	NM_001014809	CRMP1
A_21_P0007198	1,44468	1,74821	-1,234160478	N/A	N/A	N/A	Inc-API5-4
A_33_P3231557	8,19173	8,4953	-1,234194696	ENST00000463569	8555	NM_003671	CDC14B
A_24_P288298	2,53189	2,8355	-1,234228916	ENST00000622882	3805	NM_002255	KIR2DL4
A_32_P141238	2,17752	2,48116	-1,234254581	ENST00000612575	57101	NM_001278597	ANO2
A_33_P3238250	11,5247	11,8284	-1,234305914	ENST00000289779	50848	NM_016946	F11R
A_23_P74320	8,24375	8,54747	-1,234323025	ENST00000367772	57147	NM_020423	SCYL3
A_33_P3338928	8,38412	8,68788	-1,234357248	ENST00000320816	1601	NM_001343	DAB2
A_23_P203030	9,81768	10,1215	-1,234408584	ENST00000280346	1737	NM_001931	DLAT
A_24_P42624	3,44638	3,75025	-1,234451367	ENST00000453304	8633	NM_003728	UNC5C
A_24_P376391	9,08237	9,38626	-1,23446848	ENST00000512744	23129	NM_015103	PLXND1
A_21_P0014483	11,3612	11,6651	-1,234477037	N/A	100505641	NR_046251	FGD5-AS1
A_23_P33894	10,8673	11,1712	-1,234477037	ENST00000487482	10916	NM_201222	MAGED2
A_21_P0007693	1,4832	1,78711	-1,234485593	N/A	N/A	N/A	Inc-IFLTD1-1
A_23_P69339	12,9212	13,2252	-1,234562607	ENST00000480865	30	NM_001607	ACAA1
A_33_P3266609	3,01615	3,3202	-1,234605394	N/A	N/A	N/A	N/A
A_33_P3240612	1,63018	1,93425	-1,23462251	N/A	N/A	AK130189	N/A
A_33_P3805839	4,86413	5,16827	-1,234682415	ENST00000567885	N/A	N/A	N/A
A_24_P349616	8,32896	8,63313	-1,23470809	ENST00000302904	7343	NM_001076683	UBTF
A_33_P3319625	6,05892	6,36313	-1,234742324	ENST00000371189	4774	NM_001134673	NFIA
A_23_P128554	13,7242	14,0285	-1,234819354	ENST00000242827	84650	NM_032565	EBPL
A_21_P0002508	1,6804	1,98473	-1,234845031	N/A	N/A	N/A	Inc-NXPH2-4
A_21_P0014155	1,55341	1,85782	-1,234913508	ENST00000606767	100129461	N/A	LOC100129461
A_23_P24616	7,96603	8,27045	-1,234922067	ENST00000545756	54414	NM_170601	SIAE
A_22_P00010172	1,55521	1,85966	-1,234947747	ENST00000580960	N/A	CF596610	N/A
A_23_P206920	1,44607	1,75053	-1,234956307	ENST00000300036	4629	NM_001040114	MYH11
A_23_P70047	11,3381	11,6426	-1,234990548	ENST00000505625	9782	NM_199189	MATR3
A_21_P0008442	2,82644	3,13096	-1,235007669	N/A	N/A	N/A	Inc-TBPL2-1
A_24_P936010	3,89904	4,20364	-1,235076154	N/A	N/A	AY358253	N/A



A_22_P00002795	1,84246	2,14712	-1,23512752	ENST00000610202	100506286	XR_109926	LOC100506286
A_32_P86118	8,80981	9,11449	-1,235144643	ENST00000275072	135293	NM_001010853	PM20D2
A_23_P43779	11,5737	11,8784	-1,235161766	ENST00000264389	51138	NM_016129	COPS4
A_24_P307135	3,22202	3,52673	-1,235170327	ENST00000383159	7148	NM_019105	TNXB
A_22_P00012097	1,54983	1,85454	-1,235170327	N/A	N/A	N/A	Inc-PNMA2-1
A_33_P3218768	7,58289	7,88761	-1,235178889	ENST00000397053	26019	NM_080599	UPF2
A_24_P801079	9,05003	9,35479	-1,235213136	N/A	N/A	AY239294	N/A
A_32_P214665	6,89891	7,20372	-1,235255946	ENST00000504449	654790	NM_001102566	PCP4L1
A_33_P3267577	1,47664	1,78146	-1,235264508	ENST00000372781	6406	NM_003007	SEMG1
A_22_P00013340	2,84842	3,15329	-1,23530732	N/A	N/A	BQ426089	Inc-RP11-150012.3.1-3
A_24_P376229	11,7492	12,0541	-1,235333007	ENST00000246548	10054	NM_005499	UBA2
A_22_P00001477	3,9062	4,21113	-1,235358696	ENST00000591357	8629	NM_001279352	JRK
A_33_P3419735	7,50807	7,81302	-1,235375822	N/A	N/A	N/A	N/A
A_23_P323751	11,4941	11,7991	-1,235418637	ENST00000217429	81610	NM_030919	FAM83D
A_22_P00011960	5,03892	5,34396	-1,235452891	N/A	N/A	N/A	Inc-PKN3-2
A_33_P3242663	1,99944	2,30448	-1,235452891	ENST00000517399	79805	NM_001301056	VASH2
A_23_P116642	1,81134	2,11643	-1,235495709	ENST00000474359	65012	NM_133489	SLC26A10
A_23_P133058	10,9062	11,2113	-1,235504273	ENST00000500563	114932	NM_203462	MRFAP1L1
A_24_P261929	12,6215	12,9266	-1,235504273	ENST00000393115	122509	NM_206949	IFI27L1
A_23_P340922	6,70303	7,00819	-1,235555657	ENST00000599379	84330	NM_032370	ZNF414
A_22_P00003337	3,25408	3,55927	-1,23558135	ENST00000507641	100996485	NM_001277348	C5orf66
A_24_P118376	8,31351	8,61874	-1,235615608	ENST00000620096	125931	NM_001102598	CEACAM20
A_23_P352435	8,50455	8,80981	-1,235641302	ENST00000382788	6002	NM_002926	RGS12
A_33_P3306427	1,51099	1,81631	-1,235692692	ENST00000335302	26740	NM_054107	OR1J2
A_33_P3267185	3,86888	4,17428	-1,235761215	ENST00000359142	490	NM_001001323	ATP2B1
A_23_P158024	12,2722	12,5776	-1,235761215	ENST00000378911	11258	NM_007234	DCTN3
A_23_P302681	6,95313	7,25859	-1,23581261	ENST00000419119	63979	NM_001042762	FIGNL1
A_22_P00012856	4,02966	4,33522	-1,235898273	ENST00000434223	N/A	N/A	N/A
A_21_P0010606	1,55609	1,86169	-1,23593254	ENST00000602765	N/A	N/A	N/A
A_23_P154306	11,17	11,4756	-1,23593254	ENST00000392749	10010	NM_004180	TANK
A_33_P3404744	4,10458	4,41022	-1,235966808	ENST00000536272	158405	NM_001287036	KIAA1958
A_23_P47058	7,52685	7,83249	-1,235966808	ENST00000545804	50624	NM_022034	CUZD1
A_22_P00001968	4,49453	4,80035	-1,236121025	N/A	N/A	N/A	Inc-BCAR1-1

A_23_P43580	7,72714	8,03298	-1,236138161	ENST00000613863	11064	NM_007018	CNTRL
A_33_P3258091	13,859	14,1649	-1,236189572	ENST00000295640	6051	NM_020216	RNPEP
A_22_P00017434	2,80215	3,10808	-1,236215278	N/A	N/A	N/A	Inc-VPRBP-1
A_23_P205746	1,46866	1,77461	-1,236232416	ENST00000334192	2009	NM_001008707	EML1
A_23_P316460	8,18021	8,48619	-1,236258123	ENST00000343855	113763	NM_138434	ZBED6CL
A_22_P00014635	1,54538	1,85139	-1,23628383	N/A	101928489	NR_110889	LOC101928489
A_33_P3310754	1,44742	1,75357	-1,236403806	N/A	N/A	N/A	N/A
A_23_P352358	11,9047	12,2109	-1,236446657	ENST00000616327	90231	NM_138346	KIAA2013
A_21_P0003304	3,07329	3,37951	-1,236463798	ENST00000460993	102724604	NR_125407	LOC102724604
A_21_P0010868	5,18392	5,49014	-1,236463798	N/A	N/A	N/A	XLOC_I2_001945
A_33_P3333683	4,11618	4,42245	-1,236506651	N/A	N/A	N/A	N/A
A_23_P8095	12,0065	12,3128	-1,236532364	ENST00000375094	6048	NM_006913	RNF5
A_22_P00005649	5,90951	6,21581	-1,236532364	ENST00000610001	N/A	XM_006713836	N/A
A_21_P0003707	1,73069	2,037	-1,236540935	N/A	N/A	N/A	Inc-FRG1-4
A_33_P3676515	5,54926	5,85558	-1,236549506	ENST00000599569	728039	N/A	SSR4P1
A_33_P3319845	2,662	2,96835	-1,23657522	ENST00000380219	390058	NM_001004750	OR51B6
A_24_P53150	10,9535	11,2599	-1,236618077	ENST00000326181	84231	NM_032271	TRAF7
A_22_P00019521	4,22802	4,53444	-1,23663522	N/A	N/A	N/A	Inc-OAZ3-1
A_33_P3405897	8,8474	9,15388	-1,236686651	ENST00000397718	9842	NM_014798	PLEKHM1
A_33_P3258612	13,1172	13,4237	-1,236703796	ENST00000379160	5111	NM_002592	PCNA
A_23_P109774	10,3526	10,6591	-1,236703796	ENST00000312938	27107	NM_014415	ZBTB11
A_32_P112910	3,08008	3,38662	-1,236738085	ENST00000334179	164153	NM_203412	UBL4B
A_33_P3276112	4,60068	4,90724	-1,23675523	N/A	N/A	AK126743	Inc-CTD-2517M22.14.1-
A_33_P3867461	15,2329	15,5395	-1,23678952	ENST00000445791	401014	NR_033870	TEX41
A_23_P92362	14,2676	14,5743	-1,236875251	ENST00000394223	4717	NM_002494	NDUFC1
A_23_P16976	13,7094	14,0161	-1,236875251	ENST00000477632	307	NM_001153	ANXA4
A_22_P00002556	4,55064	4,85734	-1,236875251	N/A	N/A	XR_109455	Inc-C17orf75-3
A_33_P3354479	17,3946	17,7013	-1,236875251	ENST00000623642	N/A	N/A	N/A
A_24_P376129	3,89063	4,19736	-1,236900971	ENST00000374057	25861	AK056190	DFNB31
A_23_P164258	4,76117	5,06792	-1,236918119	ENST00000583215	51268	NM_016518	PIPOX
A_33_P3373144	6,83429	7,14104	-1,236918119	ENST00000357658	23334	BC051343	SZT2
A_22_P00016433	3,55011	3,8569	-1,236952414	N/A	101927734	XR_249196	LOC101927734
A_33_P3359590	5,39522	5,70202	-1,236960988	ENST00000336761	26528	NM_170711	DAZAP1

A_23_P406424	13,5512	13,858	-1,236960988	ENST00000471038	389	NM_175744	RHOC
A_22_P00021230	1,54592	1,85274	-1,236978136	ENST00000514072	26525	N/A	IL36RN
A_21_P0012724	2,29604	2,60286	-1,236978136	ENST00000515623	N/A	N/A	N/A
A_19_P00316624	1,60832	1,91516	-1,236995284	ENST00000514050	N/A	XM_005263390	N/A
A_23_P49279	9,45677	9,76366	-1,237038156	ENST00000285697	388272	NM_001001436	C16orf87
A_23_P125265	14,5122	14,8191	-1,23704673	ENST00000582898	3838	NM_002266	KPNA2
A_21_P0013095	1,4668	1,77376	-1,237098179	N/A	101928231	N/A	LOC101928231
A_23_P83781	11,9979	12,305	-1,237218233	ENST00000586299	9267	NM_004762	CYTH1
A_22_P00010333	1,3424	1,64952	-1,237235385	ENST00000452888	N/A	N/A	N/A
A_33_P3266489	2,52791	2,83505	-1,237252537	ENST00000338616	347468	NM_001004486	OR13H1
A_21_P0011471	4,55564	4,86285	-1,23731257	ENST00000562687	N/A	N/A	N/A
A_21_P0003092	3,27279	3,58	-1,23731257	ENST00000620737	N/A	KJ535002	N/A
A_24_P66545	1,74015	2,04738	-1,237329723	ENST00000296343	9711	NM_001145642	KIAA0226
A_21_P0005366	4,16122	4,46845	-1,237329723	N/A	N/A	N/A	Inc-EVX1-14
A_22_P00023877	5,32984	5,6371	-1,237355453	ENST00000433344	N/A	N/A	N/A
A_32_P88415	3,72209	4,02936	-1,237364029	ENST00000456566	91977	NM_133371	MYOZ3
A_23_P85534	3,17929	3,48666	-1,2374498	ENST00000367685	9293	NM_005684	GPR52
A_23_P320717	9,68667	9,99407	-1,237475532	ENST00000526700	25839	NM_015386	COG4
A_22_P00017657	1,77799	2,08542	-1,237501265	ENST00000505166	N/A	BG184752	N/A
A_33_P3285018	3,74664	4,0541	-1,237526998	N/A	388559	XM_006723522	ZNF888
A_33_P3318227	1,5084	1,81591	-1,237569889	N/A	N/A	N/A	N/A
A_22_P00024229	5,37514	5,68271	-1,237621359	ENST00000508572	N/A	N/A	N/A
A_33_P3335966	10,0211	10,3287	-1,237647095	ENST00000559831	7168	NM_001018005	TPM1
A_33_P3229037	4,09597	4,40357	-1,237647095	N/A	N/A	N/A	N/A
A_23_P152583	8,55358	8,86125	-1,237707147	ENST00000300682	64772	NM_001042573	ENGASE
A_22_P00018315	4,29334	4,60102	-1,237715726	N/A	N/A	N/A	Inc-ZNF852-2
A_23_P106158	8,40294	8,71065	-1,237741464	ENST00000261699	79944	NM_024884	L2HGDH
A_33_P3236986	5,99468	6,30245	-1,237792941	N/A	102724307	XR_424180	CYP17A1-AS1
A_23_P35456	13,3426	13,6504	-1,237818681	ENST00000355946	9644	NM_014631	SH3PXD2A
A_23_P141146	7,30308	7,61095	-1,237878742	ENST00000394294	84961	NM_032875	FBXL20
A_21_P0003949	1,58996	1,89792	-1,237955967	ENST00000515086	N/A	N/A	N/A
A_23_P42087	10,1919	10,4999	-1,237990291	ENST00000490918	670	NM_004332	BPHL
A_21_P0007392	1,75489	2,0629	-1,237998872	N/A	N/A	N/A	Inc-PDGF-1

A_22_P00014063	2,29122	2,59926	-1,238024616	ENST00000579769	N/A	N/A	N/A
A_33_P3365995	3,50875	3,81681	-1,238041778	ENST00000405643	375449	NM_001290226	MAST4
A_23_P56356	5,21893	5,52704	-1,238084686	ENST00000411743	151056	NM_153021	PLB1
A_33_P3370570	1,46698	1,77515	-1,238136178	ENST00000395528	206338	NM_173800	AQPEP
A_23_P153628	9,01598	9,32416	-1,23814476	ENST00000585563	90522	NM_001039672	YIF1B
A_23_P165722	13,8172	14,1254	-1,238161925	ENST00000258416	9470	NM_004846	EIF4E2
A_33_P3377619	11,0123	11,3206	-1,23824775	ENST00000481360	143384	NM_153810	CACUL1
A_23_P148821	9,93408	10,2424	-1,238264916	ENST00000464270	51611	NM_001077394	DPH5
A_22_P00003340	4,79613	5,10445	-1,238264916	N/A	N/A	AK021573	Inc-CATSPERB-1
A_33_P3359047	6,39405	6,70238	-1,238273499	ENST00000392854	130574	NM_001195685	LYPD6
A_21_P0000900	3,4438	3,75213	-1,238273499	N/A	100505678	NR_040093	STARD4-AS1
A_33_P3243230	3,88531	4,19365	-1,238282082	N/A	N/A	N/A	N/A
A_21_P0012641	2,63675	2,94512	-1,238307832	N/A	N/A	N/A	XLOC_I2_010969
A_23_P119130	17,4635	17,7719	-1,238333582	ENST00000600467	6223	NM_001022	RPS19
A_23_P142154	11,116	11,4244	-1,238333582	ENST00000253237	83743	NM_031485	GRWD1
A_21_P0005052	1,52168	1,83019	-1,238428004	N/A	N/A	N/A	Inc-HDAC2-1
A_22_P00009777	2,60093	2,90951	-1,238488094	ENST00000551940	N/A	DB065886	N/A
A_22_P00023305	6,16013	6,46874	-1,238513848	N/A	N/A	N/A	Inc-ALX1-2
A_23_P26094	10,7132	11,0219	-1,238591113	ENST00000380516	79811	NM_024755	SLTM
A_33_P3239322	2,20766	2,51638	-1,238608284	N/A	100132474	AK125160	LOC100132474
A_33_P3389336	2,51681	2,82564	-1,238702727	N/A	101929918	XR_424216	LOC101929918
A_21_P0011032	2,94019	3,24904	-1,238719899	N/A	N/A	N/A	XLOC_I2_002775
A_21_P0004289	5,40043	5,7093	-1,238737071	N/A	N/A	N/A	Inc-RP11-43D2.2.1-10
A_33_P3281273	5,91274	6,22162	-1,238745658	ENST00000246115	8698	NM_003775	S1PR4
A_23_P122563	11,8911	12,2	-1,23876283	ENST00000374610	10471	NM_014260	PFDN6
A_24_P358868	5,87198	6,1809	-1,238780003	ENST00000594710	388523	NM_001267716	ZNF728
A_21_P0011138	3,44478	3,75396	-1,239003274	N/A	N/A	N/A	XLOC_I2_003674
A_32_P151263	1,46785	1,77709	-1,239054804	ENST00000317370	6517	NM_001042	SLC2A4
A_23_P431933	7,72996	8,03921	-1,239063393	ENST00000348335	84254	NM_032294	CAMKK1
A_21_P0001104	2,88791	3,19729	-1,239175048	ENST00000421114	N/A	N/A	N/A
A_23_P149470	11,5106	11,8201	-1,239278124	ENST00000467295	4720	NM_004550	NDUFS2
A_24_P5890	1,85281	2,16251	-1,239449937	ENST00000615969	57292	NM_020535	KIR2DL5A
A_24_P91472	11,6672	11,9769	-1,239449937	ENST00000245812	84266	NM_032306	ALKBH7

A_33_P3297562	1,50095	1,81076	-1,239544444	ENST00000302057	153572	NM_033267	IRX2
A_22_P00008629	1,51269	1,82256	-1,239595996	ENST00000523150	N/A	DA245781	N/A
A_23_P96209	12,3946	12,7045	-1,239621773	ENST00000306306	80346	NM_025232	REEP4
A_23_P313	10,8457	11,1556	-1,239621773	ENST00000478502	553115	NM_012392	PEF1
A_23_P88249	10,7642	11,0741	-1,239621773	ENST00000346528	55147	NM_001077351	RBM23
A_24_P264664	11,2868	11,5967	-1,239621773	ENST00000394196	1106	NM_001271	CHD2
A_33_P3342111	7,79384	8,10379	-1,239664736	N/A	169841	AK122832	ZNF169
A_23_P126486	11,3788	11,6888	-1,2397077	ENST00000412962	84809	NR_026752	CROCCP2
A_21_P0013723	9,92783	10,2379	-1,239767852	ENST00000430302	102724238	NR_126048	LOC102724238
A_23_P31372	14,7571	15,0672	-1,239793633	ENST00000424167	4191	NM_005918	MDH2
A_23_P133075	8,6203	8,9304	-1,239793633	ENST00000514689	93627	NM_033115	TBCK
A_21_P0012898	3,83057	4,14081	-1,239913949	N/A	N/A	N/A	XLOC_I2_011987
A_24_P312519	4,96465	5,2749	-1,239922544	ENST00000495025	64081	NM_001033083	PBLD
A_33_P3304963	6,02132	6,33159	-1,239939733	ENST00000472387	80313	NM_001143759	LRRC27
A_24_P93371	11,0695	11,3798	-1,239965517	ENST00000569853	54939	NM_017828	COMMD4
A_23_P358470	7,723	8,03332	-1,239982706	ENST00000512658	201973	NM_152683	PRIMPOL
A_22_P00009518	1,50169	1,81202	-1,239991301	ENST00000424506	N/A	N/A	N/A
A_23_P417942	9,45704	9,76738	-1,239999896	ENST00000260506	54874	NM_001024948	FNBP1L
A_33_P6474088	8,04243	8,35281	-1,240034277	N/A	100507399	NR_103542	HCG8
A_22_P00006101	2,96642	3,27701	-1,240214791	N/A	100129722	NR_038389	C9orf173-AS1
A_23_P34942	4,60625	4,91689	-1,240257774	ENST00000492613	7813	NM_005665	EVI5
A_23_P25403	6,16526	6,4759	-1,240257774	ENST00000552343	29915	NM_013320	HCFC2
A_22_P00021629	2,93279	3,24344	-1,240266371	N/A	N/A	N/A	Inc-DEXI-1
A_22_P00021205	11,5203	11,831	-1,240309356	ENST00000426615	102800310	NR_110457	HAGLROS
A_33_P3259722	8,47824	8,78901	-1,240369537	ENST00000486082	84065	NM_032125	TMEM222
A_21_P0012200	16,8938	17,2046	-1,24039533	ENST00000320371	N/A	N/A	N/A
A_22_P00017941	1,44855	1,75938	-1,240421124	N/A	N/A	N/A	Inc-ZG16-2
A_24_P42389	4,24184	4,55273	-1,240472713	ENST00000338352	139562	BC137355	OTUD6A
A_22_P00004515	6,55856	6,86946	-1,240481311	N/A	N/A	BC038570	Inc-CPVL-4
A_33_P3246543	8,26621	8,57712	-1,24048991	ENST00000519719	27430	NM_182796	MAT2B
A_33_P3751230	2,49774	2,8087	-1,240532902	N/A	N/A	N/A	Inc-MIB2-1
A_23_P321511	8,29236	8,60335	-1,240558699	ENST00000506088	115123	NM_178450	mar-03
A_24_P398940	10,9847	11,2957	-1,240567298	ENST00000345795	113201	NM_138423	CASC4

A_33_P3420013	5,19139	5,50242	-1,240593095	N/A	N/A	N/A	N/A
A_33_P3266863	2,49475	2,80593	-1,240722089	ENST00000372237	79639	NM_024587	TMEM53
A_21_P0000513	5,34369	5,65488	-1,240730689	N/A	56664	NR_026703	VTRNA1-1
A_23_P6651	7,40239	7,71359	-1,240739289	ENST00000431842	23272	NM_015224	FAM208A
A_23_P422794	11,1962	11,5074	-1,240739289	ENST00000522563	286053	NM_173685	NSMCE2
A_23_P254594	7,04652	7,35775	-1,240765089	ENST00000276414	2796	NM_000825	GNRH1
A_21_P0008659	1,97821	2,28946	-1,24078229	N/A	N/A	N/A	Inc-ANKRD34C-1
A_19_P00317818	4,76878	5,08003	-1,24078229	N/A	N/A	N/A	Inc-ERP44-3
A_21_P0012074	5,15395	5,4653	-1,240868298	N/A	N/A	N/A	XLOC_I2_008128
A_22_P00016771	6,74966	7,06105	-1,240902702	N/A	104533120	NR_126470	TRIM31-AS1
A_24_P101101	13,4034	13,7148	-1,240911304	ENST00000437414	N/A	N/A	N/A
A_23_P137689	4,6345	4,94594	-1,24094571	ENST00000294794	25903	NM_015441	OLFML2B
A_21_P0013391	1,4586	1,77009	-1,240988718	ENST00000419226	N/A	N/A	N/A
A_32_P43465	8,74298	9,0545	-1,241014524	ENST00000396965	7569	NM_006962	ZNF182
A_22_P00007918	2,53751	2,8491	-1,24107474	N/A	N/A	BX116572	Inc-HSPB8-2
A_21_P0009380	3,94766	4,25927	-1,241091945	N/A	N/A	N/A	Inc-COX10-1
A_23_P141779	9,42113	9,73278	-1,241126356	ENST00000590901	30827	NM_014593	CXXC1
A_22_P00012919	6,65435	6,96603	-1,241152165	ENST00000377205	64802	NM_001297778	NMNAT1
A_22_P00018234	1,55721	1,86892	-1,241177974	ENST00000599944	N/A	AK124278	N/A
A_21_P0006028	3,52262	3,83435	-1,24119518	ENST00000367276	101927489	NR_120623	TCERG1L-AS1
A_21_P0006221	1,65756	1,96939	-1,241281217	N/A	N/A	N/A	Inc-RP11-295D22.1.1-2
A_21_P0010263	5,88261	6,19453	-1,241358654	N/A	N/A	N/A	Inc-ADARB1-3
A_33_P3279681	8,9102	9,22215	-1,241384468	ENST00000451287	147699	NM_001080401	PPM1N
A_24_P301557	9,39721	9,70928	-1,241487727	ENST00000261596	9663	NM_014646	LPIN2
A_33_P3256902	11,9251	12,2372	-1,241513544	ENST00000333139	N/A	N/A	N/A
A_33_P3310989	6,04379	6,3559	-1,241522149	ENST00000428931	9898	NM_014847	UBAP2L
A_23_P140675	2,40823	2,72047	-1,241634027	ENST00000567019	2038	NM_000119	EPB42
A_21_P0013582	10,4995	10,8118	-1,241685666	ENST00000617940	N/A	XR_430390	N/A
A_24_P18621	11,1867	11,4991	-1,241771736	ENST00000360995	121536	NM_153207	AEBP2
A_23_P134925	11,923	12,2355	-1,241857812	ENST00000620910	665	NM_004331	BNIP3L
A_21_P0000915	1,61833	1,93084	-1,24186642	ENST00000440762	101927295	NR_110676	LINC01360
A_22_P00013100	1,4406	1,75318	-1,241926677	ENST00000544036	N/A	N/A	N/A
A_33_P3358824	5,25392	5,56662	-1,242029982	ENST00000358133	5351	NM_000302	PLOD1

A_23_P59005	12,1982	12,511	-1,242116076	ENST00000354258	6890	NM_000593	TAP1
A_22_P00011483	1,45034	1,7632	-1,242167735	ENST00000576797	101927311	NR_110909	LOC101927311
A_23_P129246	9,99366	10,3066	-1,242236618	ENST00000616065	80301	NM_025201	PLEKHO2
A_23_P25305	2,14193	2,45497	-1,242322726	ENST00000266744	429	NM_004316	ASCL1
A_33_P3250308	1,48884	1,80192	-1,242357171	ENST00000378421	159013	AL832829	CXorf38
A_23_P90845	9,5523	9,86542	-1,242391617	ENST00000433529	7072	NM_022173	TIA1
A_33_P3697530	4,3478	4,66093	-1,242400228	ENST00000469653	10507	NM_001142287	SEMA4D
A_21_P0004591	1,50588	1,81904	-1,242426064	ENST00000425438	653483	NR_027906	MLLT4-AS1
A_23_P140009	2,79878	3,11199	-1,242469124	ENST00000245312	6555	NM_000452	SLC10A2
A_22_P00000899	4,21629	4,52952	-1,242486348	ENST00000417650	N/A	N/A	N/A
A_22_P00008937	7,2563	7,56954	-1,24249496	ENST00000553017	283403	NM_001242696	C12orf80
A_22_P00016451	2,7266	3,03985	-1,242503573	ENST00000455005	101929683	XR_242023	LOC101929683
A_33_P3341105	5,73675	6,05003	-1,24252941	ENST00000331056	5148	NM_002602	PDE6G
A_21_P0006391	1,6415	1,95485	-1,242589699	N/A	N/A	N/A	Inc-TNC-3
A_22_P00017985	1,3861	1,69947	-1,242606925	N/A	N/A	N/A	Inc-ZMYND11-1
A_33_P3389478	5,12888	5,44226	-1,242615539	ENST00000380799	6619	N/A	SNAPC3
A_24_P3973	13,9527	14,2661	-1,242632765	ENST00000360787	3181	NM_002137	HNRNPA2B1
A_33_P3345501	11,6647	11,9781	-1,242632765	ENST00000511141	N/A	N/A	N/A
A_33_P3385417	1,65278	1,96619	-1,242641378	N/A	N/A	N/A	N/A
A_21_P0002576	1,65239	1,96591	-1,242736129	ENST00000450628	N/A	N/A	N/A
A_33_P3300232	2,33661	2,65017	-1,242770585	ENST00000543521	54768	NM_001270974	HYDIN
A_33_P3268582	1,39446	1,70802	-1,242770585	ENST00000332831	729759	NM_001005221	OR4F29
A_23_P345081	11,6331	11,9468	-1,24289119	ENST00000424881	79027	NM_001083956	ZNF655
A_23_P65797	9,70169	10,0154	-1,242899805	ENST00000536947	64410	NM_022480	KLHL25
A_21_P0010687	2,77179	3,08558	-1,242968728	N/A	N/A	N/A	XLOC_I2_000018
A_23_P55091	11,4585	11,7723	-1,242977344	ENST00000427159	117246	NM_017647	FTSJ3
A_24_P134074	18,0773	18,3911	-1,242977344	ENST00000600467	6223	NM_001022	RPS19
A_23_P55376	10,4752	10,789	-1,242977344	ENST00000610328	284058	NM_015443	KANSL1
A_22_P00008604	5,25779	5,5716	-1,242985959	ENST00000412339	N/A	N/A	N/A
A_33_P3411682	2,34094	2,65478	-1,243011807	ENST00000532034	N/A	AB231720	N/A
A_22_P00009683	4,2409	4,55475	-1,243020423	N/A	N/A	N/A	Inc-MBL2-5
A_32_P181527	2,99108	3,30494	-1,243029039	ENST00000378279	441376	NM_001025357	AARD
A_19_P00807643	4,90158	5,21545	-1,243037655	N/A	285154	NR_027252	CYP1B1-AS1

A_23_P94095	8,95932	9,27322	-1,243063503	ENST00000520311	157567	NM_198401	ANKRD46
A_23_P214950	16,0863	16,4005	-1,243322018	ENST00000421351	64065	NM_022121	PERP
A_21_P0004812	4,86995	5,18418	-1,243347872	N/A	N/A	N/A	Inc-AL035696.1-4
A_23_P142974	9,94567	10,2599	-1,243347872	ENST00000409202	9938	NM_001007231	ARHGAP25
A_23_P377819	14,6732	14,9875	-1,243408201	ENST00000556647	6430	NM_001039465	SRSF5
A_33_P3350553	3,80587	4,12019	-1,243425439	ENST00000376964	8409	N/A	UXT
A_21_P0007609	1,52865	1,84301	-1,243459914	N/A	N/A	N/A	Inc-RP11-511B23.3.1-2
A_23_P107661	11,9422	12,2566	-1,243494391	ENST00000322088	5518	NM_014225	PPP2R1A
A_33_P3812815	11,3304	11,6448	-1,243494391	ENST00000537889	5310	NM_000296	PKD1
A_24_P796321	1,46856	1,78302	-1,243546108	ENST00000396841	342900	NM_001143832	LEUTX
A_23_P143147	10,8817	11,1962	-1,243580586	ENST00000335351	10732	NM_006602	TCFL5
A_24_P937306	1,55283	1,86747	-1,24370127	ENST00000380291	8905	XR_247290	AP1S2
A_21_P0008477	1,6195	1,93414	-1,24370127	N/A	N/A	N/A	Inc-ASB2-1
A_23_P74299	1,43558	1,75039	-1,24384783	ENST00000367235	134	NM_000674	ADORA1
A_22_P00008570	1,81618	2,131	-1,243856452	ENST00000431697	N/A	N/A	N/A
A_22_P00016327	4,01082	4,32568	-1,24389094	N/A	N/A	AA845538	Inc-TMEM14C-1
A_24_P923381	2,93336	3,24824	-1,243908184	N/A	N/A	L26245	N/A
A_23_P500886	5,21009	5,52499	-1,243925428	ENST00000433422	24146	NM_014343	CLDN15
A_23_P355364	5,93289	6,24784	-1,24396854	ENST00000481048	84859	NM_032773	LRCH3
A_33_P3246920	1,42753	1,74251	-1,243994408	ENST00000338325	114784	BC031871	CSMD2
A_33_P3337733	3,85167	4,16665	-1,243994408	ENST00000379640	N/A	AK127731	N/A
A_23_P81912	12,7298	13,0448	-1,244011653	ENST00000396389	203068	NM_178014	TUBB
A_33_P3768930	1,47326	1,78832	-1,244063391	N/A	N/A	BF175071	N/A
A_23_P354827	9,64451	9,95959	-1,244080638	ENST00000325134	162972	NM_001277090	ZNF550
A_23_P107684	8,93894	9,2541	-1,244149626	ENST00000196482	25799	NM_014347	ZNF324
A_23_P205046	10,9071	11,2223	-1,244184122	ENST00000267339	55608	NM_017664	ANKRD10
A_22_P00023237	3,12038	3,43563	-1,244227243	ENST00000562869	N/A	N/A	N/A
A_22_P00002460	1,60185	1,91712	-1,244244492	N/A	N/A	N/A	Inc-C15orf41-3
A_33_P3361157	4,89526	5,21069	-1,24438249	ENST00000610445	N/A	N/A	N/A
A_22_P00013060	1,46693	1,78237	-1,244391116	ENST00000580360	N/A	T82254	N/A
A_33_P3337727	3,90603	4,22148	-1,244399741	N/A	N/A	N/A	N/A
A_23_P212339	9,2736	9,58909	-1,244434244	ENST00000296137	79443	NM_024513	FYCO1
A_23_P1575	2,56316	2,87868	-1,244460121	ENST00000329758	57093	NM_020358	TRIM49



A_23_P73660	8,4878	8,80334	-1,244477373	ENST00000380579	6399	NM_001011658	TRAPPC2
A_21_P0007459	1,85176	2,16735	-1,244520504	ENST00000529466	100500938	NM_001195637	CCDC179
A_21_P0013259	8,05424	8,36983	-1,244520504	ENST00000453227	100289187	NM_001195541	GS1-259H13.2
A_33_P3340025	11,4945	11,8101	-1,244529131	ENST00000262460	9837	NM_021067	GINS1
A_22_P00014949	4,33998	4,65559	-1,244537757	ENST00000450888	642345	N/A	MIR4500HG
A_23_P94552	7,77743	8,09305	-1,244546384	ENST00000538669	23670	NM_013390	TMEM2
A_21_P0010576	6,58133	6,89698	-1,244572264	ENST00000449219	N/A	XR_431357	N/A
A_33_P3353846	3,46075	3,77641	-1,24458089	ENST00000470917	222642	NM_001010873	TSPO2
A_23_P138725	14,2809	14,5966	-1,244615398	ENST00000285605	83742	N/A	MARVELD1
A_24_P152468	9,69781	10,0136	-1,244693044	N/A	100128364	XR_108776	LOC100128364
A_32_P77977	8,07986	8,39567	-1,244710299	ENST00000373014	51118	NM_016037	UTP11L
A_23_P330537	7,52547	7,8413	-1,244727554	ENST00000564070	90864	NM_080861	SPSB3
A_24_P833129	3,56359	3,87952	-1,244813835	ENST00000479493	729920	NM_001101426	ISPD
A_33_P3285299	3,2261	3,54203	-1,244813835	ENST00000374314	9721	NM_014696	GPRIN2
A_24_P322611	9,53512	9,85106	-1,244822464	ENST00000370366	11083	NM_022105	DIDO1
A_22_P00007428	4,59156	4,90751	-1,244831092	ENST00000522667	N/A	N/A	N/A
A_21_P0011559	3,35826	3,67422	-1,244839721	ENST00000576963	N/A	N/A	N/A
A_22_P00006656	2,64872	2,96472	-1,244874235	ENST00000565822	N/A	N/A	N/A
A_33_P3265194	2,92468	3,24068	-1,244874235	ENST00000397671	642843	N/A	CPSF4L
A_33_P3343479	1,51814	1,83414	-1,244874235	ENST00000484153	N/A	AL833920	N/A
A_24_P252575	10,7104	11,0264	-1,244874235	ENST00000373647	23637	NM_012197	RABGAP1
A_33_P3356092	3,0513	3,36731	-1,244882864	ENST00000328403	114781	NM_052893	BTBD9
A_33_P3256113	6,61329	6,92931	-1,244891493	ENST00000607545	728411	NR_027026	GUSBP1
A_21_P0007657	3,36528	3,68135	-1,244934639	N/A	N/A	N/A	Inc-TMEM132B-4
A_32_P135336	8,66594	8,98203	-1,244951897	N/A	388242	NR_002556	LOC388242
A_21_P0006988	1,51713	1,83323	-1,244960526	N/A	N/A	N/A	Inc-ZNF32-3
A_22_P00013662	2,73772	3,05386	-1,244995045	ENST00000524467	N/A	N/A	N/A
A_24_P346101	8,53714	8,8533	-1,245012304	ENST00000334744	153768	NM_138492	PRELID2
A_19_P00320108	6,09826	6,41455	-1,245124496	ENST00000435466	N/A	N/A	N/A
A_24_P456723	5,35104	5,6674	-1,245184911	N/A	728537	N/A	LINC01125
A_21_P0013825	9,46862	9,78499	-1,245193542	ENST00000453704	27067	NM_001164380	STAU2
A_23_P38584	1,53056	1,84705	-1,245297119	ENST00000301656	342574	NM_181537	KRT27
A_32_P132477	7,62017	7,93671	-1,245340278	N/A	N/A	N/A	N/A

A_24_P190541	9,67823	9,9948	-1,245366175	ENST00000446924	54014	NM_018963	BRWD1
A_23_P403424	12,7578	13,0744	-1,245392072	ENST00000483748	8681	NM_005090	JMJD7-PLA2G4B
A_22_P00020477	1,46524	1,78189	-1,245435234	N/A	N/A	DB067770	Inc-RP11-625H11.1.1-2
A_23_P126716	15,9823	16,299	-1,245478399	ENST00000465645	93974	NM_178191	ATPIF1
A_22_P00011449	3,80176	4,11847	-1,245487032	N/A	N/A	N/A	Inc-PANK4-2
A_23_P150053	7,90445	8,22119	-1,245512931	ENST00000458208	59	NM_001613	ACTA2
A_21_P0013910	16,7911	17,1079	-1,245564732	ENST00000602494	5757	NM_001099285	PTMA
A_22_P00007532	1,69437	2,01122	-1,2456079	N/A	N/A	N/A	Inc-HADH-1
A_32_P113584	7,12904	7,44592	-1,245633802	ENST00000369577	23036	NM_015021	ZNF292
A_22_P00011365	4,15909	4,47604	-1,245694242	N/A	N/A	N/A	Inc-P2RX3-1
A_24_P570049	8,69107	9,00806	-1,245728781	ENST00000407236	5465	NM_005036	PPARA
A_22_P00011840	1,619	1,93603	-1,24576332	N/A	N/A	N/A	Inc-PHKB-3
A_33_P3253672	10,9095	11,2266	-1,245823766	ENST00000257981	23416	NM_012284	KCNH3
A_21_P0009372	1,48149	1,7986	-1,245832402	N/A	N/A	N/A	Inc-RAB40B-1
A_21_P0000716	1,49351	1,81065	-1,245858309	ENST00000549576	641515	N/A	MGAT4EP
A_23_P142776	12,4306	12,7478	-1,245910123	ENST00000434851	8665	NM_003754	EIF3F
A_33_P3325102	5,05879	5,376	-1,245918759	N/A	N/A	N/A	N/A
A_24_P85775	5,14693	5,46418	-1,245953304	ENST00000373927	9473	NM_001039477	THEMIS2
A_23_P122174	9,12942	9,44669	-1,245970577	ENST00000542685	7518	NM_022550	XRCC4
A_21_P0014164	1,55154	1,86884	-1,245996486	N/A	N/A	N/A	N/A
A_33_P3324298	4,66749	4,98492	-1,246108767	N/A	N/A	N/A	N/A
A_22_P00011780	3,78734	4,10478	-1,246117404	ENST00000436340	N/A	N/A	N/A
A_24_P359030	1,53472	1,85217	-1,246126042	N/A	440072	NR_024233	LINC00167
A_33_P3286481	13,889	14,2066	-1,246255611	ENST00000605188	N/A	N/A	N/A
A_33_P3251771	6,93325	7,25089	-1,246290165	ENST00000568744	1540	NM_015247	CYLD
A_22_P00009581	5,51333	5,83105	-1,246359276	N/A	N/A	XM_005263135	Inc-MAPK10-1
A_33_P3260322	8,75697	9,07471	-1,246376554	ENST00000487099	2649	NM_033334	NR6A1
A_21_P0012400	7,54432	7,86213	-1,24643703	ENST00000513809	152195	NR_027766	NUDT16P1
A_23_P61778	9,10578	9,42359	-1,24643703	ENST00000336868	64359	NM_022463	NXN
A_24_P226970	1,55613	1,87397	-1,246462949	ENST00000395254	22891	NM_014951	ZNF365
A_21_P0013202	5,3173	5,63518	-1,246497509	ENST00000453012	N/A	N/A	N/A
A_22_P00012516	6,32738	6,64526	-1,246497509	ENST00000558478	N/A	BC043574	N/A
A_23_P372638	11,0575	11,3754	-1,246514789	ENST00000565832	80205	NM_025134	CHD9

A_32_P217655	11,5732	11,8911	-1,246514789	ENST00000608018	645166	NR_027355	LOC645166
A_22_P00006744	2,42232	2,74024	-1,24653207	N/A	N/A	N/A	Inc-FSIP1-3
A_33_P3290394	7,84391	8,16196	-1,246644399	ENST00000374202	3561	NM_000206	IL2RG
A_33_P3241786	1,45362	1,77168	-1,24665304	ENST00000413157	119	NM_017482	ADD2
A_24_P345822	12,8884	13,2065	-1,246687605	ENST00000490574	10342	NM_006070	TFG
A_24_P127312	10,6046	10,9227	-1,246687605	ENST00000498256	N/A	N/A	N/A
A_21_P0013248	9,22431	9,54246	-1,246730813	N/A	N/A	N/A	XLOC_I2_013485
A_32_P181638	1,51865	1,83685	-1,246774022	ENST00000314641	11149	NM_147147	BVES
A_33_P3295423	8,1699	8,48818	-1,24684316	N/A	79364	NM_001040653	ZXDC
A_23_P71148	13,4289	13,7472	-1,246860445	ENST00000265523	644	NM_000712	BLVRA
A_23_P56590	8,21321	8,53153	-1,24687773	ENST00000426049	10438	NM_006333	C1D
A_23_P133807	7,09637	7,4147	-1,246886373	ENST00000456846	129685	NM_138572	TAF8
A_21_P0011389	5,11732	5,43573	-1,246955517	N/A	N/A	N/A	XLOC_I2_005076
A_22_P00023445	4,91625	5,23466	-1,246955517	ENST00000585902	N/A	CD675892	N/A
A_21_P0013584	6,70055	7,01907	-1,247050596	N/A	102725126	XR_432423	LOC102725126
A_33_P3829391	4,18136	4,49992	-1,247085172	N/A	641510	BC030809	LOC641510
A_22_P00011496	1,44677	1,76536	-1,247111105	N/A	N/A	N/A	Inc-PARVA-1
A_33_P3337540	11,7963	12,1149	-1,247119749	ENST00000382264	3455	NM_000874	IFNAR2
A_33_P3257005	5,70371	6,02232	-1,247128393	ENST00000446594	N/A	N/A	N/A
A_23_P73413	1,52291	1,84157	-1,247171616	ENST00000520249	115111	NM_052832	SLC26A7
A_21_P0006245	3,05592	3,37459	-1,247180261	N/A	102724193	XR_428621	LOC102724193
A_23_P426140	7,31795	7,6367	-1,247249421	ENST00000294353	79699	NM_024646	ZYG11B
A_23_P399146	6,25011	6,5689	-1,247284003	ENST00000240719	256051	NM_153263	ZNF549
A_33_P3347663	1,87734	2,19615	-1,247301294	ENST00000573860	N/A	XR_245489	N/A
A_33_P3271711	7,88793	8,2068	-1,247353169	N/A	N/A	N/A	N/A
A_23_P502035	10,1255	10,4444	-1,247379107	ENST00000554550	2592	NM_000155	GALT
A_22_P00014482	5,21716	5,53606	-1,247379107	N/A	N/A	BX647213	Inc-SHCBP1-2
A_22_P00002857	4,9434	5,26239	-1,247456925	N/A	339942	NR_026991	H1FX-AS1
A_33_P3405839	2,59339	2,9124	-1,247474219	ENST00000423320	7173	NM_175722	TPO
A_23_P217341	2,12966	2,4487	-1,247500159	ENST00000378981	4112	NM_002363	MAGEB1
A_22_P00017647	4,7426	5,06173	-1,247577985	ENST00000451118	N/A	N/A	N/A
A_21_P0009202	4,20845	4,52758	-1,247577985	ENST00000453722	N/A	N/A	N/A
A_19_P00808033	7,23488	7,55404	-1,247603928	N/A	6801	NM_003162	STRN

A_23_P93180	10,2865	10,6057	-1,247638519	ENST00000396984	8347	NM_003526	HIST1H2BC
A_22_P00009100	6,57461	6,89381	-1,247638519	N/A	101929664	NR_110541	HORMAD2-AS1
A_33_P3212645	12,0901	12,4094	-1,247725002	ENST00000593495	388677	NM_203458	NOTCH2NL
A_21_P0012112	17,766	18,0853	-1,247725002	N/A	N/A	N/A	XLOC_I2_008560
A_23_P104865	1,51211	1,83143	-1,247742299	ENST00000355343	N/A	AB529259	N/A
A_21_P0004439	3,91757	4,23694	-1,247785544	N/A	101927488	NR_105039	LOC101927488
A_23_P87964	11,792	12,1114	-1,247811491	ENST00000378720	2098	NM_001984	ESD
A_21_P0000646	1,78859	2,10802	-1,247837439	ENST00000499809	283143	N/A	LINC00900
A_33_P3386760	7,02233	7,34177	-1,247846088	ENST00000454252	11200	NM_145862	CHEK2
A_21_P0004530	1,45782	1,77728	-1,247863387	N/A	N/A	N/A	Inc-C5orf32-1
A_33_P3262022	4,06919	4,38865	-1,247863387	N/A	N/A	N/A	N/A
A_33_P3284838	1,43211	1,75159	-1,247880686	ENST00000376501	387642	NR_103721	LINC01552
A_22_P00009395	6,27316	6,59265	-1,247889336	N/A	254100	NR_038923	SSSCA1-AS1
A_22_P00020940	4,99035	5,30987	-1,247915285	ENST00000434552	N/A	N/A	N/A
A_33_P3407042	11,3737	11,6933	-1,247984486	ENST00000379198	126792	NM_080605	B3GALT6
A_33_P3294002	12,1564	12,476	-1,247984486	ENST00000381278	53947	NM_017436	A4GALT
A_21_P0010915	1,55514	1,87495	-1,248166157	ENST00000425137	N/A	N/A	N/A
A_23_P318464	1,50571	1,82559	-1,24822672	ENST00000166244	2046	NM_020526	EPHA8
A_23_P111273	10,6447	10,9646	-1,248244024	ENST00000446018	51256	NM_016495	TBC1D7
A_21_P0000026	10,9283	11,2483	-1,248330549	ENST00000563387	123207	NM_001160115	C15orf40
A_22_P00014016	14,3532	14,6732	-1,248330549	ENST00000490410	N/A	AL833768	N/A
A_21_P0005891	5,15508	5,47508	-1,248330549	N/A	N/A	N/A	Inc-EXT1-3
A_21_P0007834	1,67513	1,99514	-1,248339202	ENST00000552712	101927038	XR_432814	LOC101927038
A_22_P00003343	5,38019	5,70023	-1,24836516	N/A	N/A	AK098042	Inc-CBFA2T3-2
A_24_P315941	1,77652	2,09657	-1,248373813	ENST00000390625	N/A	D83692	N/A
A_23_P47426	6,84818	7,16826	-1,248399773	ENST00000531338	27034	NM_014384	ACAD8
A_23_P65427	16,3808	16,7009	-1,24841708	ENST00000559042	5721	NM_002818	PSME2
A_33_P3357818	2,03431	2,35443	-1,248434386	ENST00000374619	3352	NM_000864	HTR1D
A_33_P3424367	6,71254	7,03266	-1,248434386	ENST00000342043	9830	NM_033219	TRIM14
A_33_P3267651	6,40647	6,72668	-1,24851227	ENST00000479138	9666	NM_014648	DZIP3
A_33_P3362696	7,2182	7,53842	-1,248520924	ENST00000392837	55188	NM_018157	RIC8B
A_24_P726336	8,02843	8,34869	-1,248555541	ENST00000427704	9749	NM_001100164	PHACTR2
A_22_P00001179	5,73575	6,05607	-1,248607468	N/A	100507530	NR_125386	LOC100507530

A_23_P217917	7,35746	7,67778	-1,248607468	ENST00000336075	2948	NM_147148	GSTM4
A_32_P74120	13,4501	13,7705	-1,248676708	ENST00000452795	57234	NR_111952	LINC00869
A_21_P0008854	5,25603	5,57651	-1,248745951	N/A	N/A	N/A	Inc-HEXA-3
A_33_P3486059	3,25349	3,57403	-1,248797886	N/A	N/A	N/A	N/A
A_23_P1292	5,78065	6,10128	-1,248875792	ENST00000623073	2074	NM_000124	ERCC6
A_33_P3287785	2,25612	2,57676	-1,248884449	ENST00000610854	4747	NM_006158	NEFL
A_23_P47034	8,64992	8,97063	-1,248945047	ENST00000282728	3087	NM_002729	HHEX
A_22_P00013704	5,36545	5,68618	-1,248962361	N/A	102723356	NR_125797	ZFPM2-AS1
A_22_P00005722	1,69917	2,01991	-1,248971018	ENST00000437080	N/A	N/A	N/A
A_33_P3316696	5,71059	6,03134	-1,248979675	N/A	N/A	N/A	N/A
A_33_P3394352	4,53381	4,8546	-1,249014305	ENST00000541903	55275	BC029560	VPS53
A_33_P3324505	2,27682	2,59764	-1,249040278	N/A	N/A	N/A	N/A
A_19_P00326532	6,41007	6,7309	-1,249048935	ENST00000499418	101927612	NR_108047	RNF139-AS1
A_24_P319715	11,9951	12,316	-1,249109541	ENST00000381611	10130	NM_005742	PDIA6
A_33_P3682006	5,6199	5,94084	-1,249144174	N/A	138948	NR_102735	DBH-AS1
A_33_P3319982	6,13983	6,46079	-1,249161491	N/A	N/A	BC015443	Inc-TMC7-1
A_24_P334640	5,39817	5,71923	-1,249248079	ENST00000360726	85315	NM_133367	PAQR8
A_22_P00004408	5,22839	5,54958	-1,249360653	N/A	101927155	NR_120412	LMO7-AS1
A_23_P406928	14,0296	14,3508	-1,249369313	ENST00000361567	4540	HV444971	ND5
A_22_P00023526	6,8986	7,21985	-1,249412614	N/A	100652739	NR_045126	RAET1E-AS1
A_23_P155123	7,11554	7,43681	-1,249429934	ENST00000359033	1565	NM_000106	CYP2D6
A_22_P00007300	2,50974	2,83102	-1,249438595	N/A	N/A	N/A	Inc-GPR39-1
A_22_P00006677	1,96707	2,28841	-1,249490558	N/A	N/A	N/A	Inc-FPGS-2
A_22_P00013134	2,62898	2,95033	-1,249499219	N/A	N/A	N/A	Inc-RNASE10-2
A_21_P0007919	1,44543	1,76683	-1,249542524	ENST00000447784	100652856	N/A	LINC00408
A_33_P3240200	11,7132	12,0347	-1,249629139	ENST00000475443	25911	NM_015448	DPCD
A_21_P0001023	6,2166	6,53813	-1,249655125	ENST00000437833	6391	N/A	SDHC
A_23_P333498	8,92238	9,24392	-1,249663787	ENST00000242108	80820	NM_030636	EEP1
A_23_P370142	11,9005	12,2221	-1,24971576	ENST00000527958	5049	NM_002572	PAFAH1B2
A_24_P944049	5,58738	5,90898	-1,24971576	ENST00000377990	23177	NM_015147	CEP68
A_19_P00811196	9,85676	10,1784	-1,24975041	ENST00000416650	100505854	NR_038361	APTR
A_33_P3396339	1,394	1,71571	-1,249811049	N/A	N/A	N/A	N/A
A_22_P00018316	2,92104	3,24276	-1,249819713	ENST00000457543	54753	NM_017560	ZNF853

A_33_P3368109	6,09331	6,41505	-1,249837039	N/A	N/A	N/A	N/A
A_33_P3413388	1,44294	1,76472	-1,249871692	N/A	N/A	N/A	N/A
A_23_P397308	4,39271	4,71454	-1,24991501	ENST00000472792	89953	NM_138343	KLC4
A_33_P3245321	9,0315	9,35337	-1,249949666	ENST00000375576	401541	NM_001012267	CENPP
A_23_P16743	3,85327	4,17518	-1,249984322	ENST00000281923	4249	NM_002410	MGAT5
A_22_P00001695	6,36933	6,6913	-1,250036309	ENST00000580085	N/A	N/A	N/A
A_32_P152767	1,75388	2,07585	-1,250036309	ENST00000449193	387640	NM_207371	SKIDA1
A_21_P0000031	1,4282	1,75026	-1,250114292	ENST00000450979	390245	NM_001161630	KDM4E
A_22_P00018741	3,4201	3,74217	-1,250122957	ENST00000442780	N/A	N/A	N/A
A_23_P124224	10,5545	10,8766	-1,250148953	ENST00000262415	1659	NM_004941	DHX8
A_33_P3414058	9,00904	9,33118	-1,250183615	ENST00000377313	4221	NM_130803	MEN1
A_23_P103099	9,6084	9,93059	-1,250226944	ENST00000438146	23543	NM_001031695	RBFOX2
A_33_P3561747	1,46842	1,79063	-1,250244276	N/A	162083	NM_001145545	C16orf82
A_33_P3795707	4,82692	5,14914	-1,250252942	N/A	692157	CU457294	SNORA16B
A_23_P3562	10,2415	10,5638	-1,250322273	ENST00000561933	84138	NM_032178	SLC7A6OS
A_21_P0013200	1,42344	1,74582	-1,250391607	N/A	N/A	N/A	XLOC_I2_013416
A_21_P0008515	5,68712	6,00953	-1,250417609	ENST00000557723	N/A	N/A	N/A
A_22_P00001826	1,57814	1,90057	-1,250434943	N/A	N/A	N/A	Inc-ATP6V1G3-2
A_23_P201022	3,6882	4,01063	-1,250434943	ENST00000342741	5313	NM_000298	PKLR
A_23_P80778	11,7523	12,0748	-1,250495616	ENST00000477647	84925	NM_032839	DIRC2
A_23_P145904	14,9494	15,2719	-1,250495616	ENST00000381124	94239	NM_012412	H2AFV
A_24_P346886	14,4437	14,7662	-1,250495616	ENST00000370322	4714	NM_005004	NDUFB8
A_22_P00012212	9,50301	9,82554	-1,25052162	N/A	150381	NR_027034	PRR34-AS1
A_23_P316812	8,44592	8,76847	-1,250538956	ENST00000460134	246182	NR_002796	AKR7A2P1
A_23_P16143	11,7012	12,0238	-1,250582297	ENST00000594965	2962	NM_002096	GTF2F1
A_33_P3332547	10,4079	10,7305	-1,250582297	ENST00000475932	100505385	NM_001197113	IQCJ-SCHIP1
A_22_P00022956	4,88399	5,20668	-1,250660315	N/A	N/A	BG203768	Inc-INPPL1-1
A_24_P270890	10,6863	11,009	-1,250668984	ENST00000572686	8405	NM_001007226	SPOP
A_23_P88630	9,79142	10,1142	-1,250738338	ENST00000559724	641	NM_000057	BLM
A_33_P3288589	2,38722	2,7101	-1,250825035	N/A	N/A	N/A	N/A
A_33_P3277988	8,23208	8,55496	-1,250825035	ENST00000270139	3454	NM_000629	IFNAR1
A_23_P205738	8,44148	8,76441	-1,250868386	ENST00000345514	64919	NM_138576	BCL11B
A_33_P3386219	3,90386	4,22689	-1,250955093	ENST00000378241	64421	NM_001289079	DCLRE1C

A_22_P00017996	6,11559	6,43863	-1,250963764	N/A	N/A	N/A	Inc-ZNF131-2
A_33_P3398564	12,1743	12,4974	-1,251015791	ENST00000467278	116983	NM_030649	ACAP3
A_23_P51660	12,144	12,4672	-1,251102508	ENST00000533178	4595	NM_012222	MUTYH
A_33_P3227904	5,8031	6,12639	-1,251180558	ENST00000294454	284723	NM_207348	SLC25A34
A_22_P00001454	1,43892	1,76222	-1,251189231	ENST00000417782	N/A	N/A	N/A
A_22_P00004474	5,71261	6,03595	-1,251223921	N/A	N/A	N/A	Inc-CPLX1-2
A_33_P3901921	5,77491	6,09826	-1,251232594	ENST00000392914	55010	NM_017915	PARPBP
A_22_P00013889	5,79458	6,11793	-1,251232594	ENST00000571901	101927060	BX647871	LOC101927060
A_23_P53276	12,3292	12,6526	-1,251275959	ENST00000557589	8914	NM_003920	TIMELESS
A_22_P00003003	1,58136	1,90478	-1,251293306	N/A	N/A	N/A	Inc-C6orf228-3
A_22_P00007967	1,51721	1,84066	-1,251319326	ENST00000451217	N/A	N/A	N/A
A_22_P00001218	6,80492	7,1284	-1,251345347	N/A	N/A	N/A	Inc-ANKRD11-2
A_24_P119685	6,05123	6,3748	-1,251423412	ENST00000284548	84033	NM_052843	OBSCN
A_23_P321473	6,52512	6,84876	-1,251484133	ENST00000419687	199870	NM_152660	FAM76A
A_21_P0013104	5,06226	5,3859	-1,251484133	N/A	N/A	N/A	XLOC_I2_013149
A_23_P202004	9,40245	9,72613	-1,251518832	ENST00000320152	56952	NM_020200	PRTFDC1
A_33_P3416366	7,47085	7,79462	-1,251596908	ENST00000587368	10036	NM_005483	CHAF1A
A_21_P0009923	1,57172	1,89549	-1,251596908	N/A	N/A	N/A	Inc-RP11-93B14.6.1-1
A_24_P4877	8,72925	9,05308	-1,251648962	ENST00000266529	85437	NM_033114	ZCRB1
A_19_P00316839	1,63852	1,96243	-1,25171837	ENST00000414222	10086	NM_001145095	HHLA1
A_33_P3300665	1,48504	1,809	-1,251761752	ENST00000370138	127495	NM_001256385	LRRC39
A_33_P3260134	4,75885	5,08288	-1,251822489	ENST00000357724	4916	NM_002530	NTRK3
A_21_P0006867	3,65718	3,98128	-1,25188323	N/A	N/A	N/A	Inc-C10orf136-1
A_24_P366526	16,0991	16,4232	-1,25188323	N/A	9144	BC105992	SYNGR2
A_23_P103720	8,93959	9,26372	-1,251909262	ENST00000375826	79814	NM_024758	AGMAT
A_19_P00805548	8,23974	8,5639	-1,251935295	ENST00000372037	657	NM_004329	BMPR1A
A_24_P95038	16,9739	17,2981	-1,251970007	ENST00000415933	5478	NM_021130	PPIA
A_21_P0003888	1,45826	1,78254	-1,252039432	N/A	N/A	N/A	Inc-MRFAP1L1-2
A_33_P3407524	5,41399	5,73832	-1,252082826	ENST00000337852	6839	NM_001282166	SUV39H1
A_33_P3214310	7,39755	7,722	-1,252186975	N/A	27086	NM_001012505	FOXP1
A_21_P0013042	4,68505	5,00954	-1,252221694	N/A	N/A	N/A	XLOC_I2_012748
A_21_P0000090	10,6746	10,9991	-1,252230373	ENST00000543727	10102	NM_001172697	TSFM
A_33_P3355208	5,09259	5,41714	-1,252273773	N/A	54677	NM_001243745	CROT

A_33_P3319957	2,88938	3,21399	-1,252325855	ENST00000370638	100505741	BC064144	SPATA1
A_22_P00012350	1,54394	1,86863	-1,2523953	ENST00000507674	N/A	N/A	N/A
A_22_P00001203	6,03195	6,35672	-1,25246475	N/A	101752400	NR_103792	CAPN10-AS1
A_23_P209944	9,31421	9,63902	-1,252499476	ENST00000295802	54884	NM_017750	RETSAT
A_21_P0013655	9,70548	10,0303	-1,252508158	N/A	N/A	N/A	XLOC_I2_015213
A_33_P3279730	7,57512	7,90002	-1,252577614	ENST00000444947	N/A	XM_005261299	N/A
A_33_P3376071	16,9546	17,2795	-1,252577614	ENST00000467573	N/A	N/A	N/A
A_33_P3228402	1,98846	2,31337	-1,252586296	N/A	N/A	N/A	N/A
A_23_P78268	10,8985	11,2236	-1,25275127	ENST00000576239	51031	NM_016080	GLOD4
A_21_P0013355	4,55848	4,88363	-1,252794688	N/A	101930608	XR_426267	LOC101930608
A_33_P3372297	3,86478	4,18996	-1,252820739	ENST00000572152	29	NM_001159746	ABR
A_22_P00004734	3,08056	3,40581	-1,252881528	N/A	N/A	N/A	Inc-CTNNA1-2
A_33_P3287113	6,99533	7,3206	-1,252898896	ENST00000503548	57654	XM_006713899	UVSSA
A_21_P0011549	6,25674	6,58203	-1,252916265	N/A	N/A	N/A	XLOC_I2_005871
A_22_P00019948	1,61392	1,93924	-1,252942319	ENST00000504167	N/A	N/A	N/A
A_23_P100602	8,90228	9,22763	-1,252968374	ENST00000575132	6904	NM_005993	TBCD
A_33_P3257538	6,63628	6,96172	-1,25304654	ENST00000408962	123688	NM_001083612	HYKK
A_23_P325642	3,22403	3,54951	-1,253081283	ENST00000404312	64714	NM_006849	PDIA2
A_23_P160668	2,77843	3,10396	-1,253124712	N/A	4610	NM_005376	MYCL
A_22_P00004254	1,49482	1,82036	-1,253133398	N/A	386597	NR_033997	RNF144A-AS1
A_22_P00023114	2,05909	2,38468	-1,253176829	ENST00000506032	N/A	N/A	N/A
A_24_P268123	5,95301	6,27869	-1,253255009	ENST00000489897	6487	NM_174963	ST3GAL3
A_33_P3269718	11,2656	11,5913	-1,253272383	ENST00000497816	3712	NM_001159508	IVD
A_21_P0013753	14,5294	14,8552	-1,253359256	N/A	N/A	N/A	XLOC_I2_015451
A_21_P0005886	4,21714	4,54298	-1,253394007	N/A	N/A	N/A	Inc-CSMD3-1
A_24_P149395	8,78724	9,11309	-1,253402695	ENST00000288828	26100	NM_015610	WIPI2
A_23_P60775	1,57238	1,89827	-1,253437447	ENST00000586050	60680	NM_021938	CELF5
A_22_P00011387	3,351	3,67689	-1,253437447	ENST00000535936	N/A	N/A	N/A
A_23_P355385	11,8693	12,1952	-1,253446135	ENST00000451402	5537	NM_002721	PPP6C
A_23_P55998	12,0164	12,3423	-1,253446135	ENST00000412532	6510	NM_005628	SLC1A5
A_23_P82975	4,01256	4,33846	-1,253446135	ENST00000441350	157680	NM_181661	VPS13B
A_24_P233944	8,61874	8,9447	-1,253498266	ENST00000483427	10390	NM_001007794	CEPT1
A_23_P108922	8,7588	9,08478	-1,253515643	ENST00000396049	N/A	AK001650	N/A



A_33_P3666884	7,45221	7,77821	-1,25353302	ENST00000492278	375775	NM_001098537	PNPLA7
A_32_P203430	7,00987	7,33587	-1,25353302	ENST00000601142	90075	NM_194325	ZNF30
A_32_P45009	12,2869	12,613	-1,253619912	ENST00000415913	3417	NM_005896	IDH1
A_33_P3276250	2,28066	2,60679	-1,25364598	ENST00000449424	N/A	N/A	N/A
A_33_P3214339	4,20012	4,52632	-1,253706809	ENST00000477665	257068	NM_153268	PLCXD2
A_21_P0009907	2,80593	3,1322	-1,253767641	N/A	102723483	NR_110624	CSE1L-AS1
A_21_P0002348	1,45162	1,77799	-1,253854548	N/A	N/A	N/A	Inc-SMARCAL1-2
A_23_P122976	9,76284	10,0893	-1,25393277	ENST00000351004	2770	NM_002069	GNAI1
A_22_P00024420	4,87965	5,20616	-1,253976229	N/A	N/A	AU155391	Inc-GCGR-1
A_21_P0002254	3,6295	3,95608	-1,254037074	N/A	101928113	XR_245035	ST3GAL5-AS1
A_23_P429535	10,9804	11,307	-1,254054459	ENST00000263956	9330	NM_012086	GTF3C3
A_22_P00000913	4,46723	4,79384	-1,254063151	N/A	N/A	N/A	Inc-AK1-1
A_33_P3295749	1,63374	1,96041	-1,254115307	ENST00000378692	144321	NR_072995	GLIPR1L2
A_22_P00015220	2,86525	3,19197	-1,254158772	ENST00000442627	N/A	N/A	N/A
A_33_P3290739	1,69519	2,02196	-1,254202239	ENST00000390451	N/A	D13071	N/A
A_21_P0003037	2,93193	3,25871	-1,254210932	N/A	N/A	N/A	Inc-U2SURP-3
A_33_P3350566	4,36653	4,69333	-1,25422832	ENST00000401624	8911	NM_021096	CACNA1I
A_23_P200874	7,93772	8,26459	-1,254289177	ENST00000476272	64793	NM_022778	CEP85
A_21_P0007955	1,51893	1,84584	-1,254323953	N/A	N/A	N/A	Inc-SLITRK5-3
A_22_P00001377	6,54585	6,87278	-1,254341342	ENST00000591501	147727	NR_024333	ILF3-AS1
A_23_P102235	13,4839	13,8109	-1,254402205	ENST00000429728	6637	NM_003096	SNRPG
A_23_P335388	1,41591	1,74299	-1,254471765	ENST00000616425	284099	NM_173625	C17orf78
A_33_P3416473	1,85207	2,17921	-1,254523938	N/A	57002	NM_001282446	YAE1D1
A_21_P0001737	1,57522	1,90238	-1,25454133	N/A	N/A	N/A	Inc-ATP1A1OS-3
A_33_P3380913	3,30305	3,63033	-1,254645684	N/A	N/A	N/A	N/A
A_23_P79587	7,26605	7,59334	-1,254654381	ENST00000485563	250	AK075432	ALPP
A_33_P3263463	1,72167	2,04901	-1,254697864	ENST00000589653	644554	NR_040013	LOC644554
A_22_P00005685	3,4386	3,76596	-1,254715258	N/A	N/A	N/A	Inc-ELAC2-1
A_23_P94422	10,9197	11,2471	-1,254750047	ENST00000298048	9833	NM_014791	MELK
A_23_P50775	10,007	10,3344	-1,254750047	ENST00000246529	79414	NM_024509	LRFN3
A_33_P3312194	3,40854	3,73598	-1,254784836	ENST00000392178	1155	N/A	TBCB
A_33_P3358469	2,81673	3,14419	-1,254802232	ENST00000482119	2736	NM_005270	GLI2
A_33_P3877728	10,8785	11,206	-1,254837023	N/A	140772	BX647090	SMCR6

A_33_P3388870	10,6974	11,0249	-1,254837023	ENST00000548925	2647	NM_001487	BLOC1S1
A_24_P58647	11,8864	12,2139	-1,254837023	ENST00000448802	N/A	N/A	N/A
A_22_P00005505	3,73849	4,0661	-1,254932703	N/A	101928573	XR_241986	LOC101928573
A_22_P00020945	1,61256	1,94017	-1,254932703	ENST00000501718	N/A	N/A	N/A
A_21_P0006171	1,52279	1,8504	-1,254932703	ENST00000415801	100506834	NR_049794	LOC100506834
A_33_P3322388	8,85815	9,18577	-1,254941401	ENST00000290702	6703	NM_006945	SPRR2D
A_23_P70359	7,34353	7,67118	-1,254967497	N/A	79992	NR_024277	AGPAT4-IT1
A_21_P0013716	1,47257	1,80025	-1,254993594	ENST00000609203	N/A	N/A	N/A
A_21_P0005720	4,2506	4,57838	-1,255080586	N/A	101926947	XR_426332	NCRNA00249
A_23_P148194	10,4583	10,7862	-1,255184985	ENST00000327435	55256	NM_018269	ADI1
A_33_P3352522	8,79742	9,12535	-1,255211087	N/A	650669	AK092862	GAS6-AS1
A_22_P00013953	3,47019	3,79812	-1,255211087	N/A	N/A	N/A	Inc-RSPRY1-1
A_33_P3378334	9,03316	9,36128	-1,255376406	ENST00000374787	10592	NM_001042550	SMC2
A_23_P85441	11,1179	11,4461	-1,255446021	ENST00000611023	57549	NM_020789	IGSF9
A_22_P00020449	1,46786	1,7961	-1,25548083	ENST00000411790	N/A	BC039180	N/A
A_23_P106898	9,41126	9,73954	-1,25551564	ENST00000318663	93129	NM_152288	ORAI3
A_23_P206228	10,1912	10,5195	-1,255533045	ENST00000560637	54832	NM_020821	VPS13C
A_33_P3514487	2,05925	2,38759	-1,255567856	ENST00000610713	284415	NM_198481	VSTM1
A_32_P230547	10,2823	10,6107	-1,255620075	ENST00000340370	85440	NM_033407	DOCK7
A_23_P13604	13,944	14,2725	-1,255707111	ENST00000261313	5037	NM_002567	PEBP1
A_21_P0006528	5,19175	5,52032	-1,25576804	N/A	N/A	N/A	Inc-GEMIN8-1
A_24_P135483	7,74192	8,07058	-1,255846381	ENST00000372164	81619	NM_030927	TSPAN14
A_22_P00023392	7,19072	7,51941	-1,255872496	ENST00000506550	100506526	NR_105000	LOC100506526
A_23_P420361	14,5623	14,891	-1,255881201	ENST00000530758	55845	NM_018462	BRK1
A_24_P416159	10,4724	10,8011	-1,255881201	ENST00000544545	5934	NM_005611	RBL2
A_21_P0000222	7,76274	8,09144	-1,255881201	N/A	94161	NR_000024	SNORD46
A_32_P74366	8,80812	9,13684	-1,255898611	ENST00000310421	80124	AF088033	VCPIP1
A_33_P3310966	7,23243	7,56117	-1,255916022	N/A	100506119	AK092192	LINC01503
A_23_P61707	1,95177	2,28066	-1,256046609	ENST00000370552	60495	NM_021828	HPSE2
A_22_P00003949	1,55073	1,87966	-1,256081434	ENST00000502300	N/A	N/A	N/A
A_23_P887	5,62215	5,95109	-1,256090141	ENST00000584998	9641	NM_014002	IKBKE
A_23_P425925	4,37244	4,70145	-1,256151088	ENST00000394052	125113	NM_152349	KRT222
A_21_P0000541	4,24122	4,57024	-1,256159795	N/A	100128164	NR_027622	LOC100128164

A_24_P148590	1,58443	1,91355	-1,256246868	ENST00000305249	6869	NM_015727	TACR1
A_22_P00022753	3,17777	3,50697	-1,256316532	ENST00000412979	55677	N/A	IWS1
A_23_P342398	1,44944	1,77867	-1,256342656	N/A	253128	N/A	LINC00612
A_33_P3418448	4,39486	4,72425	-1,256481997	N/A	N/A	N/A	N/A
A_23_P80278	10,2317	10,5611	-1,256490706	ENST00000464333	9814	NM_001007467	SFI1
A_22_P00019589	6,15346	6,48288	-1,256508125	N/A	N/A	N/A	Inc-ITGAL-2
A_33_P3385376	1,64026	1,96968	-1,256508125	N/A	284612	NM_001040709	SYPL2
A_33_P3329301	6,84302	7,17247	-1,256534253	N/A	646014	AK126557	LOC646014
A_23_P38328	7,3062	7,6357	-1,256577802	ENST00000528353	80174	AK023149	DBF4B
A_23_P426153	1,43714	1,76674	-1,256664905	ENST00000352312	348807	NM_182628	CCDC37
A_24_P48495	9,5604	9,89002	-1,256682326	ENST00000594326	27076	NM_014400	LYPD3
A_21_P0013433	7,12392	7,45355	-1,256691037	N/A	102725377	N/A	LOC102725377
A_33_P3416588	4,50585	4,83548	-1,256691037	ENST00000594852	6014	NM_002930	RIT2
A_33_P3221980	9,99263	10,3223	-1,25672588	N/A	N/A	N/A	N/A
A_23_P338372	1,6604	1,99013	-1,256778147	ENST00000368986	7101	NM_003269	NR2E1
A_23_P18641	7,41148	7,74124	-1,256804281	ENST00000513433	83891	NM_031953	SNX25
A_21_P0002629	1,53412	1,86391	-1,256830416	N/A	N/A	N/A	Inc-CDK5R2-1
A_33_P3213134	9,21092	9,54088	-1,256978523	N/A	N/A	N/A	N/A
A_33_P3324839	3,44523	3,77527	-1,257048227	ENST00000418600	8831	NM_006772	SYNGAP1
A_22_P00012003	8,84772	9,17779	-1,257074367	ENST00000423733	5335	N/A	PLCG1
A_19_P00318189	8,06987	8,40004	-1,257161503	N/A	401320	NR_038889	LOC401320
A_33_P3360236	1,49008	1,82027	-1,257178932	N/A	100506351	XR_108863	LOC100506351
A_21_P0000510	7,5378	7,86812	-1,25729222	ENST00000421840	55592	NR_024261	GOLGA2P5
A_23_P63096	4,47789	4,80823	-1,25730965	ENST00000339922	391104	NM_001004319	VHLL
A_22_P00022942	2,01285	2,34319	-1,25730965	N/A	N/A	N/A	Inc-RTN3-1
A_24_P196704	10,6136	10,944	-1,257361941	ENST00000495267	55904	NM_182931	KMT2E
A_23_P106773	12,4629	12,7933	-1,257361941	ENST00000395630	6799	NM_177528	SULT1A2
A_22_P00011800	4,41188	4,7423	-1,257379372	N/A	N/A	AK130321	Inc-PGPEP1L-3
A_21_P0005914	1,45353	1,78401	-1,257431666	N/A	N/A	N/A	Inc-FAM135B-3
A_33_P3399064	11,1433	11,4739	-1,25753626	N/A	100008587	NR_003285	RNA5-8S5
A_33_P3241095	1,63372	1,9645	-1,257693169	N/A	51643	AK127285	TMBIM4
A_24_P314534	2,8336	3,16444	-1,257745476	ENST00000399889	337959	NM_181621	KRTAP13-2
A_21_P0007503	1,51925	1,8501	-1,257754194	N/A	N/A	N/A	Inc-RNFT2-1

A_33_P3230219	14,5342	14,8651	-1,257797785	ENST00000373463	113452	NM_033504	TMEM54
A_23_P12784	10,8769	11,2078	-1,257797785	ENST00000371019	23401	NM_012083	FRAT2
A_33_P3291600	1,44094	1,77186	-1,257815222	ENST00000561215	101927332	NR_120325	LINC01582
A_19_P00320492	4,82753	5,15852	-1,257876253	N/A	N/A	N/A	Inc-MRPL14-1
A_22_P00007291	1,42548	1,75647	-1,257876253	ENST00000448347	N/A	N/A	N/A
A_22_P00007033	6,76479	7,09579	-1,257884972	ENST00000547893	9994	NM_012115	CASP8AP2
A_33_P3405921	9,20848	9,53949	-1,257893691	ENST00000569558	2622	NM_001286205	GAS8
A_32_P163805	1,60051	1,93155	-1,257919848	ENST00000320202	283197	NR_026946	LINC00301
A_33_P3244834	5,6236	5,95464	-1,257919848	N/A	N/A	N/A	N/A
A_33_P3276282	6,56071	6,89176	-1,257928568	ENST00000617451	5792	BC048416	PTPRF
A_33_P3312246	9,84114	10,1722	-1,257937287	ENST00000479165	55023	NM_017934	PHIP
A_23_P101623	1,71547	2,04657	-1,257972165	ENST00000592189	63934	NM_022103	ZNF667
A_23_P316472	2,48373	2,81486	-1,257998324	ENST00000530197	144132	NM_144666	DNHD1
A_22_P00017577	1,52969	1,86082	-1,257998324	N/A	N/A	N/A	Inc-WDR65-1
A_21_P0000436	1,89563	2,22678	-1,258015764	N/A	767569	NR_003237	SNORD113-9
A_19_P00315668	6,37028	6,70151	-1,258085525	ENST00000406875	28996	NM_022740	HIPK2
A_22_P00001274	1,49866	1,83003	-1,258207616	N/A	N/A	AK127599	Inc-ANKRD56-2
A_22_P00014787	1,6325	1,96389	-1,258225059	N/A	N/A	BX105277	Inc-SLC38A8-6
A_33_P3308050	12,8725	13,2039	-1,258233378	ENST00000258416	9470	NM_004846	EIF4E2
A_23_P45517	7,4194	7,75081	-1,258242501	ENST00000612937	28227	NM_013239	PPP2R3B
A_23_P358394	1,36574	1,69718	-1,258268666	ENST00000612873	9750	NM_015864	FAM65B
A_22_P00005981	3,57826	3,9097	-1,258268666	N/A	101928004	XR_241966	LOC101928004
A_23_P144778	1,44772	1,77921	-1,258312275	ENST00000437669	1160	NM_001825	CKMT2
A_23_P36700	9,49765	9,82916	-1,258329719	ENST00000543567	55080	NM_018009	TAPBPL
A_22_P00005731	1,42976	1,76128	-1,258338441	N/A	N/A	N/A	Inc-EMID1-1
A_24_P680908	1,46779	1,79932	-1,258347163	ENST00000356929	7562	NM_021269	ZNF708
A_19_P00318894	3,52574	3,85741	-1,25846928	ENST00000558225	51621	N/A	KLF13
A_33_P3228985	1,45866	1,79033	-1,25846928	ENST00000530515	100132396	NM_001193630	ZNF705B
A_23_P97623	10,5603	10,892	-1,25849545	ENST00000474456	64121	NM_022157	RRAGC
A_33_P3290343	8,7748	9,10653	-1,258521619	ENST00000614273	1545	NM_000104	CYP1B1
A_33_P3340981	1,65187	1,9837	-1,258608857	ENST00000400432	N/A	N/A	N/A
A_32_P114028	1,49503	1,82688	-1,258626305	ENST00000623087	79741	NM_024688	CCDC7
A_22_P00004339	2,40926	2,74114	-1,258652477	ENST00000520544	N/A	N/A	N/A

A_33_P3335935	8,94269	9,27458	-1,258661202	ENST00000248098	90861	NM_144570	HN1L
A_33_P3404954	10,9124	11,2443	-1,258669926	ENST00000354886	145389	NM_001172702	SLC38A6
A_23_P77103	12,1268	12,4587	-1,258669926	ENST00000562107	6652	NM_003104	SORD
A_23_P59107	13,3577	13,6897	-1,258757174	ENST00000460640	28973	NM_014046	MRPS18B
A_23_P93311	12,4563	12,7883	-1,258757174	ENST00000418800	780	NM_013993	DDR1
A_33_P3362567	7,77572	8,10777	-1,258800799	N/A	N/A	N/A	N/A
A_22_P00020746	1,42898	1,76114	-1,258896782	N/A	N/A	BC034421	Inc-SEMA5B-1
A_22_P00014673	1,70049	2,03268	-1,25892296	ENST00000560900	N/A	DA631439	N/A
A_23_P97860	11,583	11,9152	-1,258931686	ENST00000456827	3988	NM_000235	LIPA
A_23_P93464	10,0034	10,3356	-1,258931686	ENST00000468520	594	NM_000056	BCKDHB
A_21_P0011278	1,6839	2,01612	-1,258949139	ENST00000435322	N/A	N/A	N/A
A_21_P0011177	1,38226	1,71449	-1,258957865	ENST00000608957	100652865	N/A	LINC00539
A_21_P0013975	5,83391	6,16616	-1,258975318	N/A	N/A	AY358662	N/A
A_23_P57829	2,2833	2,61558	-1,259001498	ENST00000613455	151835	NM_153635	CPNE9
A_33_P3841755	2,9485	3,28086	-1,259071314	N/A	145945	AL137758	LOC145945
A_32_P41405	12,7883	13,1207	-1,259106223	ENST00000506672	84321	NM_032361	THOC3
A_23_P206018	10,5863	10,9187	-1,259106223	ENST00000559556	7168	NM_001018004	TPM1
A_21_P0011911	2,17903	2,51144	-1,259114951	ENST00000422351	102723854	N/A	LOC102723854
A_33_P3300747	5,59239	5,92487	-1,259176045	ENST00000396621	137872	NM_144650	ADHFE1
A_33_P3375516	1,50696	1,83945	-1,259184773	ENST00000515458	253314	NM_001099408	EIF4E1B
A_33_P3410650	5,51281	5,84532	-1,259202229	ENST00000471631	26206	NM_001039592	SPAG8
A_23_P364567	1,88709	2,21965	-1,259245871	ENST00000468836	7401	NM_052995	CLRN1
A_33_P3291118	6,42119	6,75376	-1,259254599	ENST00000583112	114659	NM_052888	LRR37B
A_23_P376599	12,5177	12,8503	-1,259280785	ENST00000019317	10928	NM_006788	RALBP1
A_21_P0011082	1,41374	1,74636	-1,259298242	ENST00000566278	3	NR_040112	A2MP1
A_23_P356667	1,44923	1,78201	-1,259437911	ENST00000280245	220047	NM_173556	CCDC83
A_23_P52738	11,1129	11,4457	-1,25945537	ENST00000529149	28960	NM_014026	DCPS
A_21_P0012409	4,71205	5,04497	-1,259560133	N/A	N/A	N/A	XLOC_I2_009968
A_21_P0006816	1,496	1,82894	-1,259577594	N/A	N/A	N/A	Inc-PFKP-16
A_22_P00005153	4,75483	5,08778	-1,259586325	N/A	N/A	N/A	Inc-DHX57-2
A_23_P253200	13,2331	13,5661	-1,25962998	ENST00000413699	6138	NM_002948	RPL15
A_23_P344884	4,34891	4,68194	-1,259656173	ENST00000531958	57571	NM_001166222	CARNS1
A_22_P00018319	3,96069	4,29373	-1,259664905	ENST00000472797	23145	NM_198455	SSPO

A_33_P3417339	6,97141	7,30456	-1,259760953	ENST00000296043	57619	NM_020859	SHROOM3
A_33_P3284552	3,86527	4,19847	-1,259804614	N/A	11316	AK023303	COPE
A_22_P00008277	1,42108	1,75429	-1,259813346	N/A	100506858	N/A	LOC100506858
A_32_P213624	8,62471	8,95795	-1,259839544	ENST00000370128	8634	NM_001130841	RTCA
A_33_P3418394	3,99139	4,32464	-1,259848276	ENST00000509910	9140	NM_004707	ATG12
A_22_P00001627	1,61112	1,94442	-1,25989194	N/A	N/A	DB458682	Inc-ASAP1-3
A_22_P00015319	1,82969	2,16301	-1,259909406	ENST00000453636	N/A	N/A	N/A
A_22_P00021348	1,40655	1,73995	-1,259979272	N/A	N/A	N/A	Inc-TSPYL2-2
A_22_P00010860	7,87317	8,20658	-1,259988005	ENST00000578049	9554	NM_004892	SEC22B
A_23_P331092	9,0209	9,35449	-1,26014522	ENST00000354376	158055	NM_152571	C9orf163
A_21_P0003966	3,68325	4,01685	-1,260153954	N/A	N/A	N/A	Inc-MTRR-2
A_23_P258093	10,355	10,6887	-1,260241305	ENST00000395499	10554	NM_006411	AGPAT1
A_23_P327777	4,60256	4,9363	-1,260276246	ENST00000328453	352954	NM_178831	GATS
A_23_P399681	3,60645	3,94022	-1,260302453	ENST00000373534	81629	NM_052841	TSSK3
A_33_P3389188	11,7692	12,103	-1,260328661	ENST00000373895	7019	NM_001270782	TFAM
A_24_P73075	7,21103	7,54495	-1,260433496	ENST00000462711	54970	NM_017868	TTC12
A_23_P252471	5,11658	5,45053	-1,260459707	ENST00000563924	5175	NM_000442	PECAM1
A_23_P338495	3,33773	3,67171	-1,260485917	ENST00000476962	220972	NM_001282866	mar-08
A_24_P287473	11,589	11,923	-1,260503392	ENST00000324679	60485	NM_021818	SAV1
A_33_P3397506	2,68992	3,02392	-1,260503392	N/A	N/A	N/A	N/A
A_21_P0010252	2,61419	2,94826	-1,260564553	N/A	N/A	N/A	Inc-UMODL1-4
A_23_P372308	5,90017	6,23426	-1,260582028	ENST00000554387	56963	NM_020211	RGMA
A_33_P3370284	15,0339	15,368	-1,260590766	ENST00000085079	29924	NM_001130071	EPN1
A_22_P00015933	4,16621	4,50036	-1,260634456	N/A	101929132	XR_247847	LOC101929132
A_21_P0014788	1,94078	2,27494	-1,260643194	N/A	N/A	AA682772	N/A
A_21_P0006331	5,23967	5,57391	-1,2607131	N/A	N/A	N/A	Inc-RALGDS-2
A_21_P0012694	1,58933	1,92359	-1,260730578	N/A	N/A	N/A	XLOC_I2_011327
A_21_P0000667	3,10792	3,44223	-1,260774272	N/A	100500773	NR_036611	LOC100500773
A_33_P3418486	1,5722	1,9066	-1,260852926	ENST00000589729	N/A	N/A	N/A
A_21_P0010125	1,43871	1,77311	-1,260852926	N/A	N/A	N/A	Inc-PPP1R3D-1
A_23_P215751	12,401	12,7354	-1,260852926	ENST00000611607	4698	NM_005000	NDUFA5
A_22_P00015407	5,4458	5,78022	-1,260870405	N/A	N/A	N/A	Inc-SRPR-1
A_21_P0011398	5,30593	5,64057	-1,261062693	ENST00000622062	339005	N/A	WHAMMP3

A_24_P795594	7,69611	8,03077	-1,261080175	N/A	79796	NM_001077691	ALG9
A_33_P3363260	6,10536	6,44002	-1,261080175	ENST00000298198	283209	NM_173582	PGM2L1
A_24_P290225	1,46925	1,80394	-1,261106399	ENST00000331351	9951	NM_006040	HS3ST4
A_24_P706314	11,0986	11,4333	-1,26111514	ENST00000411529	220988	NM_194247	HNRNPA3
A_33_P3675395	1,61936	1,95408	-1,261132623	N/A	400812	XR_247116	FLJ39095
A_22_P00018047	1,89515	2,22989	-1,261150106	N/A	N/A	AK090569	Inc-ZNF267-1
A_21_P0009714	1,52709	1,86187	-1,261185073	ENST00000601776	N/A	N/A	N/A
A_33_P3254801	11,3802	11,715	-1,261202557	ENST00000370461	11054	NM_007346	OGFR
A_33_P3353979	3,6026	3,93742	-1,261220041	ENST00000503753	83849	NM_181519	SYT15
A_22_P00016598	8,1651	8,49995	-1,261246268	ENST00000460528	N/A	AK090715	N/A
A_21_P0005231	2,92001	3,25487	-1,26125501	ENST00000436266	N/A	N/A	N/A
A_21_P0009501	2,79235	3,12722	-1,261263752	ENST00000584677	339298	NR_040034	LOC339298
A_33_P3395905	1,49497	1,82989	-1,261307465	ENST00000390433	N/A	D13078	N/A
A_23_P121898	8,1253	8,46024	-1,261324951	ENST00000515166	79668	NM_024615	PARP8
A_33_P3381191	4,53774	4,87272	-1,261359923	ENST00000397223	80020	NM_024955	FOXRED2
A_33_P3270636	11,9443	12,2794	-1,261464844	ENST00000417841	51246	NM_001272068	SHISA5
A_23_P323094	4,15093	4,48603	-1,261464844	ENST00000544916	1911	NM_004426	PHC1
A_32_P112592	1,44866	1,78384	-1,261534796	ENST00000490006	339524	NR_026989	LINC01140
A_33_P3334948	4,82099	5,15619	-1,261552285	N/A	N/A	N/A	N/A
A_23_P46369	10,4431	10,7783	-1,261552285	ENST00000484297	5872	NM_002870	RAB13
A_23_P251421	10,8713	11,2065	-1,261552285	ENST00000467411	83879	NM_031942	CDCA7
A_24_P941148	9,0985	9,43374	-1,261587263	ENST00000380502	54801	NM_017645	HAUS6
A_33_P3351559	9,33721	9,67252	-1,261648477	ENST00000266517	55500	NM_018638	ETNK1
A_23_P69293	7,16333	7,49866	-1,261665967	ENST00000315251	55349	NM_018397	CHDH
A_23_P383688	9,74167	10,0771	-1,261753423	ENST00000244571	57505	NM_020745	AARS2
A_33_P3376017	6,34255	6,67802	-1,261788406	N/A	N/A	AB209470	Inc-KIAA0319L-1
A_22_P00003281	3,86059	4,1962	-1,261910857	N/A	N/A	N/A	Inc-CALML6-1
A_24_P225518	7,25262	7,58827	-1,261945845	ENST00000488011	80772	NM_001029885	CPTP
A_33_P3340560	1,54314	1,87883	-1,261980834	N/A	N/A	N/A	XLOC_I2_015200
A_33_P3395274	11,1594	11,4951	-1,261989581	ENST00000322342	284273	NM_175907	ZADH2
A_21_P0000599	9,5545	9,89036	-1,262129548	ENST00000599191	23608	NM_013446	MKRN1
A_22_P00004246	4,40357	4,73945	-1,262147045	ENST00000414654	N/A	N/A	N/A
A_33_P3230137	4,41283	4,74872	-1,262155794	ENST00000378785	219293	NM_001039211	ATAD3C

A_24_P355876	16,9203	17,2562	-1,262164543	ENST00000549385	7009	NM_003217	TMBIM6
A_21_P0007524	4,77307	5,10898	-1,262173291	N/A	N/A	N/A	Inc-GABARAPL1-1
A_24_P118472	9,3092	9,64516	-1,262217036	ENST00000493920	N/A	N/A	N/A
A_33_P3413810	3,23703	3,573	-1,262225785	N/A	101928038	XM_005276035	LOC101928038
A_22_P00016129	4,25852	4,59455	-1,26227828	N/A	N/A	N/A	Inc-TIGD7-1
A_21_P0014393	1,82672	2,16275	-1,26227828	N/A	100507373	NR_045214	LOC100507373
A_23_P207299	8,22935	8,56539	-1,26228703	ENST00000466544	51136	NM_016125	RNFT1
A_21_P0007210	1,58732	1,9234	-1,262322028	N/A	N/A	N/A	Inc-CREB3L1-3
A_33_P3398181	5,68933	6,0255	-1,262400778	N/A	100127909	AK130422	LOC100127909
A_24_P367329	10,011	10,3472	-1,26242703	ENST00000563867	N/A	XM_001714437	N/A
A_21_P0013256	4,09027	4,42667	-1,262602051	ENST00000439784	N/A	N/A	N/A
A_23_P403398	9,84958	10,1861	-1,262707076	ENST00000496846	222161	NR_002186	DKFZP58611420
A_21_P0004223	3,03735	3,3739	-1,262733333	N/A	N/A	N/A	Inc-ADCY2-1
A_21_P0012486	3,66955	4,00611	-1,262742086	N/A	N/A	N/A	XLOC_I2_010511
A_23_P170820	12,4788	12,8154	-1,262777097	ENST00000440538	9698	NM_001020658	PUM1
A_22_P00011792	8,05241	8,38909	-1,262847122	ENST00000507241	N/A	AK096154	N/A
A_22_P00018419	1,50967	1,84636	-1,262855876	N/A	N/A	N/A	Inc-TLE3-6
A_33_P3229083	12,0014	12,3381	-1,262864629	ENST00000356950	85236	NM_080593	HIST1H2BK
A_24_P419028	5,95219	6,28891	-1,262882136	N/A	643616	AB014771	MOP-1
A_32_P223189	8,62932	8,96607	-1,262908398	ENST00000497904	474338	NR_002190	SUMO1P3
A_21_P0009301	3,51261	3,84937	-1,262917151	N/A	N/A	N/A	Inc-CDRT4-1
A_21_P0014227	1,42847	1,76523	-1,262917151	N/A	100506331	XR_108933	LOC100506331
A_23_P78458	9,37587	9,71267	-1,262952167	ENST00000243644	59348	NM_021632	ZNF350
A_24_P842006	7,29768	7,6345	-1,262969676	ENST00000544643	90835	NM_001014979	C16orf93
A_33_P3210866	9,98645	10,3233	-1,262995939	ENST00000487863	388558	CR749856	ZNF808
A_22_P00020251	1,36389	1,70081	-1,263057221	ENST00000559600	N/A	N/A	N/A
A_33_P3454968	12,7478	13,0848	-1,263127262	N/A	645553	XR_244001	LOC645553
A_21_P0012333	7,1517	7,48876	-1,263179795	ENST00000314235	27094	NM_171829	KCNMB3
A_33_P3679221	1,46897	1,80603	-1,263179795	ENST00000514957	152578	NR_040106	LOC152578
A_23_P20316	1,54789	1,88497	-1,263197306	ENST00000285381	761	NM_005181	CA3
A_33_P3234487	15,0997	15,4368	-1,263214818	ENST00000305321	654483	NM_001039182	BOLA2B
A_24_P376422	8,66735	9,0045	-1,263258599	ENST00000538869	N/A	XM_006716222	N/A
A_24_P48162	12,742	13,0792	-1,263302381	ENST00000436333	4350	NM_002434	MPG



A_21_P0002083	1,6341	1,97134	-1,263337407	ENST00000449772	101927331	XR_244907	LOC101927331
A_33_P3350858	1,96082	2,29809	-1,263363678	N/A	100652857	NR_046005	TMCO5B
A_23_P101615	7,64899	7,98633	-1,263424978	ENST00000392173	147929	NM_001042474	ZNF565
A_22_P00025460	1,99125	2,32859	-1,263424978	N/A	N/A	N/A	Inc-KIFC3-1
A_24_P362904	6,07306	6,41043	-1,263451251	ENST00000232375	5210	NM_004567	PFKFB4
A_23_P131149	10,2994	10,6368	-1,263477524	ENST00000392857	5000	NM_002552	ORC4
A_23_P146444	11,8178	12,1552	-1,263477524	ENST00000375077	7464	NM_003389	CORO2A
A_23_P121182	10,8821	11,2195	-1,263477524	ENST00000383779	26061	NM_012260	HACL1
A_33_P3248759	11,5167	11,8541	-1,263477524	ENST00000293883	84219	NM_001303027	WDR24
A_19_P00322299	8,24816	8,58569	-1,26359138	ENST00000252744	57688	NM_020928	ZSWIM6
A_23_P208523	7,49597	7,83351	-1,263600138	ENST00000614037	79165	NM_024316	LENG1
A_23_P401076	9,24065	9,57824	-1,263643932	ENST00000375469	203328	NM_145006	SUSD3
A_24_P145316	6,59657	6,93419	-1,263670209	ENST00000338950	84062	NM_183040	DTNBP1
A_33_P3261695	3,49883	3,83648	-1,263696487	ENST00000548638	647310	NM_001195082	TEX22
A_21_P0002400	1,48911	1,82679	-1,263722765	N/A	N/A	N/A	Inc-ITGB1BP1-1
A_32_P153773	3,08938	3,42725	-1,263889205	ENST00000371372	774	NM_000718	CACNA1B
A_21_P0000760	11,2561	11,594	-1,263915487	N/A	100526771	NR_038318	TMPRSS4-AS1
A_23_P89799	10,8951	11,233	-1,263915487	ENST00000591171	10449	NM_006111	ACAA2
A_33_P3302280	4,92074	5,25867	-1,26394177	ENST00000374269	149420	NM_001243533	PDIK1L
A_23_P139600	6,65707	6,99503	-1,263968053	ENST00000446861	8437	NM_004658	RASAL1
A_22_P00007682	3,39888	3,73688	-1,264003098	N/A	N/A	CR746899	Inc-HIGD1A-1
A_23_P306223	2,32254	2,6606	-1,264055668	ENST00000379044	170302	NM_139058	ARX
A_33_P3376273	2,98976	3,32782	-1,264055668	N/A	N/A	N/A	N/A
A_21_P0013665	1,63172	1,9698	-1,264073192	N/A	N/A	N/A	XLOC_I2_015239
A_23_P84000	1,74261	2,0807	-1,264081954	ENST00000300105	10369	NM_006078	CACNG2
A_33_P3235053	14,3905	14,7286	-1,264090716	ENST00000254816	91107	NM_033452	TRIM47
A_33_P3249837	1,63736	1,97549	-1,264117002	ENST00000473550	344595	N/A	LINC00883
A_32_P224850	9,83956	10,1777	-1,264125764	N/A	101927764	XR_425464	LOC101927764
A_33_P3243439	4,79296	5,13112	-1,264143289	ENST00000311268	27239	NM_019858	GPR162
A_33_P3411307	6,23367	6,57183	-1,264143289	N/A	100130276	AK128269	LOC100130276
A_22_P00002813	6,04168	6,37985	-1,264152051	ENST00000433219	N/A	N/A	N/A
A_33_P3238773	1,46299	1,80117	-1,264160814	N/A	N/A	N/A	N/A
A_33_P3315819	2,64183	2,9801	-1,264239678	N/A	N/A	AK055890	Inc-C2orf54-2

A_33_P3396537	3,06118	3,39946	-1,264248442	ENST00000412678	389118	NM_001007540	CDHR4
A_22_P00019338	3,72431	4,06261	-1,264265968	ENST00000553757	N/A	N/A	N/A
A_21_P0002061	6,39205	6,73036	-1,264274731	ENST00000451698	101927577	NR_110264	LOC101927577
A_22_P00007333	1,64412	1,98247	-1,264309785	N/A	N/A	N/A	Inc-GPR98-3
A_21_P0003338	1,52867	1,86707	-1,264353603	ENST00000505628	N/A	N/A	N/A
A_22_P00019981	3,26605	3,60452	-1,264414951	N/A	N/A	AW804661	Inc-RBL2-2
A_23_P301340	12,0156	12,3541	-1,264441244	ENST00000576090	146705	NM_144679	ENTHD2
A_24_P225010	17,285	17,6235	-1,264441244	ENST00000433675	6209	NM_001018	RPS15
A_23_P200239	10,8488	11,1874	-1,264528892	ENST00000371399	54432	NM_018982	YIPF1
A_21_P0011173	1,81242	2,15106	-1,264563953	N/A	N/A	N/A	XLOC_I2_003888
A_23_P129433	8,46436	8,80308	-1,264634077	ENST00000564704	6553	NM_004594	SLC9A5
A_23_P10506	1,41703	1,75582	-1,264695439	ENST00000295256	27306	NM_014485	HPGDS
A_21_P0013007	5,14721	5,48607	-1,264756804	ENST00000510155	643201	N/A	LOC643201
A_33_P3290667	11,5	11,8389	-1,264791871	ENST00000492132	51714	NM_016275	SELT
A_24_P288915	8,02183	8,36075	-1,264809404	ENST00000445752	N/A	AK093811	N/A
A_22_P00002468	4,56879	4,90771	-1,264809404	N/A	N/A	AK056686	Inc-C15orf48-1
A_32_P38283	5,13408	5,47304	-1,264844473	ENST00000610291	6991	NM_174910	TCTE3
A_22_P00013973	1,69131	2,03028	-1,26485324	N/A	N/A	N/A	Inc-RTN3-2
A_33_P3275415	4,22231	4,56141	-1,26496722	N/A	N/A	N/A	N/A
A_23_P52499	1,61118	1,95036	-1,265037367	ENST00000497497	6571	NM_003054	SLC18A2
A_21_P0002043	1,43678	1,77609	-1,265151363	ENST00000432125	100130502	N/A	LOC100130502
A_33_P3824237	9,07705	9,41639	-1,265177672	ENST00000422847	439990	NR_038464	LINC00857
A_23_P302787	9,43148	9,77083	-1,265186441	ENST00000295549	375295	NR_040001	LINC01116
A_23_P150365	13,6821	14,0215	-1,26523029	ENST00000546316	25996	NM_015523	REXO2
A_33_P3263193	10,3559	10,6953	-1,26523029	ENST00000464682	83695	NM_001257097	RHNO1
A_33_P3303449	5,26448	5,60391	-1,2652566	ENST00000344610	3953	NM_001198688	LEPR
A_33_P3329552	1,76205	2,10151	-1,265282911	ENST00000532111	N/A	N/A	N/A
A_33_P3260373	5,4993	5,83879	-1,265309222	ENST00000561790	100534599	NM_001204890	ISY1-RAB43
A_33_P3330761	1,69196	2,03146	-1,265317992	N/A	N/A	N/A	N/A
A_22_P00021984	5,05685	5,39642	-1,265379387	ENST00000570266	N/A	CD641523	N/A
A_23_P321034	7,85887	8,19847	-1,2654057	ENST00000613764	10207	NM_176877	INADL
A_24_P189458	9,96097	10,3006	-1,265432014	ENST00000464321	54780	NM_017615	NSMCE4A
A_22_P00025259	1,4022	1,74184	-1,265440785	N/A	102724691	NR_110603	LOC102724691

A_23_P76350	3,35851	3,69818	-1,2654671	ENST00000542751	2784	NM_002075	GNB3
A_22_P00014356	3,35439	3,69407	-1,265475871	N/A	N/A	BX642546	Inc-SERTAD2-4
A_23_P431853	14,0271	14,3669	-1,265581135	ENST00000361453	4536	HW291277	ND2
A_23_P372874	14,922	15,2619	-1,265668861	ENST00000491177	6284	NM_001024210	S100A13
A_33_P3214720	11,0571	11,397	-1,265668861	ENST00000373087	80149	NM_025079	ZC3H12A
A_23_P170337	12,0043	12,3442	-1,265668861	ENST00000375341	8659	NM_003748	ALDH4A1
A_19_P00316705	2,84015	3,18014	-1,26574782	N/A	N/A	N/A	Inc-MMRN1-2
A_23_P112548	7,08899	7,42899	-1,265756594	ENST00000485934	81932	NM_031219	HDHD3
A_24_P49597	13,7348	14,0748	-1,265756594	ENST00000473094	N/A	N/A	N/A
A_21_P0014501	3,07304	3,41311	-1,26581801	ENST00000422430	100507114	XR_245416	LINC00445
A_21_P0006866	1,63743	1,97762	-1,265923303	N/A	N/A	N/A	Inc-C10orf136-1
A_24_P270999	2,35558	2,69593	-1,266063706	ENST00000435607	6329	NM_000334	SCN4A
A_21_P0007397	2,1119	2,45226	-1,266072481	N/A	N/A	N/A	Inc-ARHGAP20-1
A_24_P391230	1,46885	1,80927	-1,266125137	ENST00000299340	116159	NM_052954	CYR1
A_33_P3397905	6,92101	7,26148	-1,266169018	N/A	10282	NM_005868	BET1
A_33_P3224946	1,41247	1,75304	-1,266256785	N/A	N/A	AK127903	Inc-SREK1-1
A_23_P411188	6,38269	6,72329	-1,266283117	ENST00000250699	57053	NM_020402	CHRNA10
A_22_P00010768	1,87523	2,21593	-1,266370892	ENST00000624692	101929608	NR_109878	LOC101929608
A_23_P104804	4,50949	4,85022	-1,266397226	ENST00000539918	7704	NM_006006	ZBTB16
A_22_P00023248	1,42288	1,76361	-1,266397226	N/A	N/A	N/A	Inc-FMNL2-2
A_24_P278172	9,15718	9,49794	-1,26642356	ENST00000487330	7763	NM_006007	ZFAND5
A_33_P3419460	5,41662	5,75746	-1,266493787	ENST00000400000	9218	NM_003574	VAPA
A_23_P311780	1,44575	1,78665	-1,26654646	ENST00000609812	147719	NM_173506	LYPD4
A_24_P212129	9,01956	9,36051	-1,266590356	ENST00000478556	7581	NM_006974	ZNF33A
A_23_P27353	4,15445	4,4954	-1,266590356	ENST00000586448	8170	NM_007163	SLC14A2
A_21_P0000289	6,00928	6,35025	-1,266607915	ENST00000497648	26805	NR_002749	SNORD45A
A_21_P0012891	2,43347	2,77445	-1,266616695	ENST00000607662	729506	NR_039984	LOC729506
A_23_P23575	10,836	11,177	-1,266634254	ENST00000310483	27173	NM_014437	SLC39A1
A_24_P107317	1,63711	1,97821	-1,266722053	ENST00000260187	9099	NM_004205	USP2
A_21_P0005002	10,0453	10,3864	-1,266722053	N/A	N/A	N/A	Inc-CCDC90A-5
A_24_P393864	7,1399	7,48104	-1,266757175	ENST00000369604	10745	NM_006608	PHTF1
A_33_P3256894	7,80716	8,14835	-1,266801078	ENST00000417804	253725	NM_001169107	FAM21C
A_21_P0002606	3,99988	4,34116	-1,266880107	N/A	N/A	N/A	Inc-FOXD4L1-1

A_23_P99204	8,70417	9,04552	-1,266941578	ENST00000443596	51275	NR_015404	MAPKAPK5-AS1
A_33_P3364721	1,4759	1,81727	-1,266959142	N/A	N/A	N/A	N/A
A_23_P75071	7,73892	8,08032	-1,266985488	ENST00000371728	9585	NM_016195	KIF20B
A_33_P3356392	3,53491	3,87633	-1,267003052	ENST00000393423	57139	NM_001161616	RGL3
A_21_P0011539	1,59507	1,93657	-1,267073312	N/A	N/A	N/A	XLOC_I2_005737
A_23_P89310	12,4377	12,7793	-1,267161142	ENST00000314728	22905	NM_014964	EPN2
A_22_P00011037	8,84103	9,18282	-1,267328035	ENST00000441638	N/A	N/A	N/A
A_22_P00014453	1,54952	1,89132	-1,26733682	ENST00000429444	N/A	XR_108264	N/A
A_23_P99661	11,3189	11,6608	-1,267424668	ENST00000553709	55701	NM_018071	ARHGEF40
A_33_P3398251	2,35628	2,69824	-1,26747738	ENST00000455775	50943	NM_014009	FOXP3
A_23_P160934	8,33211	8,67408	-1,267486165	ENST00000616917	81611	NM_030920	ANP32E
A_21_P0001001	2,22349	2,56552	-1,267538879	N/A	N/A	N/A	Inc-KCNC4-1
A_23_P49220	10,7919	11,134	-1,267600382	ENST00000563484	22980	NM_014972	TCF25
A_23_P8702	1,53755	1,87971	-1,267653101	ENST00000291009	5304	NM_002652	PIP
A_22_P00018730	3,33517	3,67735	-1,267670675	N/A	N/A	N/A	Inc-C3orf71-1
A_23_P32036	11,2885	11,6307	-1,267688249	ENST00000494066	54981	NM_017881	NMRK1
A_33_P3280801	10,3472	10,6894	-1,267688249	ENST00000357063	4008	NM_005358	LMO7
A_33_P3467933	1,55407	1,89631	-1,267723397	N/A	286154	AK096739	LOC286154
A_22_P00004593	1,46874	1,81099	-1,267732184	N/A	100506241	N/A	LL22NC01-81G9.3
A_33_P3380211	8,89835	9,24065	-1,267776121	ENST00000358100	10142	NM_005751	AKAP9
A_23_P67399	11,2033	11,5456	-1,267776121	ENST00000594581	29888	NM_001039877	STRN4
A_33_P3410251	8,43976	8,78207	-1,267784909	ENST00000478701	285175	AK090815	UNC80
A_22_P00008052	7,88498	8,22729	-1,267784909	ENST00000598518	645553	XR_244001	LOC645553
A_23_P38190	5,59988	5,9423	-1,267881576	ENST00000584000	94103	NM_139280	ORMDL3
A_23_P327370	9,39646	9,73891	-1,267907941	ENST00000269919	54858	NM_017712	PGPEP1
A_23_P117515	6,78275	7,12527	-1,267969462	ENST00000395168	5926	NM_002892	ARID4A
A_33_P3688869	3,15047	3,49311	-1,268074933	ENST00000560285	440910	NR_030728	LOC440910
A_33_P3407985	5,91499	6,25766	-1,268101302	ENST00000301665	147184	NM_001195386	TMEM99
A_24_P96593	8,53153	8,87422	-1,268118882	ENST00000540033	7813	NM_005665	EVI5
A_33_P3393708	2,28467	2,6274	-1,268154042	N/A	N/A	N/A	N/A
A_19_P00319528	3,52986	3,87263	-1,268189204	ENST00000522718	100507420	NR_121620	LOC100507420
A_33_P3888629	10,1511	10,4939	-1,268215575	ENST00000264674	2122	NM_001164000	MECOM
A_21_P0008980	2,37506	2,71789	-1,268241947	N/A	N/A	N/A	Inc-WFDC1-1

A_32_P61857	9,08613	9,42897	-1,268250738	ENST00000256858	57614	NM_020854	KIAA1468
A_23_P256933	17,1921	17,535	-1,268303484	ENST00000446071	6152	NM_000986	RPL24
A_33_P3278313	5,26931	5,61222	-1,268312275	ENST00000614640	253827	NM_001193460	MSRB3
A_22_P00003891	5,30863	5,65158	-1,268347441	N/A	N/A	N/A	Inc-CEP152-1
A_24_P940149	1,43505	1,77805	-1,268391399	ENST00000380486	25966	NM_015500	C2CD2
A_21_P0006554	1,55775	1,90078	-1,268417775	N/A	N/A	N/A	Inc-F8A3-1
A_21_P0010482	4,33182	4,67486	-1,268426567	N/A	N/A	N/A	Inc-C22orf26-2
A_33_P3263459	1,62456	1,96761	-1,268435359	ENST00000443721	758	NM_001044370	MPPED1
A_32_P167122	8,68539	9,02845	-1,268444151	ENST00000367005	55758	NM_018254	RCOR3
A_33_P3335740	5,4227	5,76577	-1,268452944	ENST00000615671	55056	NR_026891	FLJ10038
A_33_P3336567	3,02285	3,36597	-1,268496906	N/A	N/A	N/A	N/A
A_22_P00001790	4,6422	4,98539	-1,268558455	N/A	101928521	XR_246615	LOC101928521
A_33_P3356070	1,44654	1,78976	-1,268584834	ENST00000396099	23175	NM_001261428	LPIN1
A_22_P00004217	8,75464	9,09788	-1,268602421	N/A	283314	NR_026947	C1RL-AS1
A_22_P00001189	1,5209	1,86415	-1,268611214	N/A	N/A	N/A	Inc-ANGPTL2-2
A_33_P3263696	8,02371	8,36697	-1,268620007	ENST00000533316	9776	NM_001205119	ATG13
A_22_P00010539	3,11638	3,45966	-1,268637594	N/A	N/A	AK096228	Inc-NCL-1
A_33_P3308128	3,30515	3,64854	-1,268734327	N/A	N/A	AK172772	N/A
A_23_P35883	8,35281	8,69622	-1,268751915	ENST00000532101	55572	NM_017547	FOXRED1
A_22_P00012241	2,88959	3,23308	-1,268822272	N/A	N/A	AK299913	Inc-PPIL2-1
A_23_P147070	8,21211	8,55565	-1,268866246	ENST00000340926	23353	AK022469	SUN1
A_33_P3215999	8,28897	8,63254	-1,268892632	ENST00000588199	125061	NM_001145526	AFMID
A_24_P336577	7,97126	8,31486	-1,268919018	ENST00000444059	55924	NM_019099	FAM212B
A_21_P0009956	3,39618	3,73979	-1,268927814	ENST00000428529	N/A	N/A	N/A
A_33_P3340205	7,19685	7,54046	-1,268927814	ENST00000621454	100037417	NM_001084393	DDTL
A_23_P34233	5,27282	5,6166	-1,269077347	ENST00000219771	23475	NM_014298	QPRT
A_33_P3346841	11,6891	12,033	-1,26918291	ENST00000478283	51441	NM_001173128	YTHDF2
A_22_P00010879	3,90122	4,24512	-1,26918291	N/A	92659	NR_015454	MAFG-AS1
A_22_P00002238	1,42675	1,77069	-1,2692181	N/A	101929328	NR_120655	KCNMA1-AS1
A_22_P00012777	1,55989	1,90385	-1,269235695	ENST00000437837	N/A	N/A	N/A
A_23_P44674	15,907	16,251	-1,269270886	ENST00000496700	1396	NM_001311	CRIP1
A_23_P160751	1,42103	1,76507	-1,269306078	ENST00000368181	79368	NM_030764	FCRL2
A_23_P145074	11,6613	12,0054	-1,269358868	ENST00000336032	10957	NM_006813	PNRC1

A_24_P272873	16,2934	16,6375	-1,269358868	ENST00000487479	645683	NR_004844	RPL13AP3
A_32_P46981	10,4864	10,8305	-1,269358868	ENST00000451882	440498	NM_001136180	HSBP1L1
A_23_P360302	1,4176	1,76172	-1,269376465	ENST00000218006	2986	NM_001522	GUCY2F
A_21_P0010231	1,40696	1,7512	-1,269482054	N/A	N/A	N/A	Inc-SOD1-1
A_33_P3275630	2,91891	3,26319	-1,269517252	N/A	100131820	AK125613	LOC100131820
A_21_P0002123	4,84762	5,19196	-1,26957005	ENST00000339037	375295	N/A	LINC01116
A_21_P0012749	1,4793	1,82367	-1,269596451	ENST00000515282	100874047	N/A	LINC00499
A_23_P339053	10,9301	11,2745	-1,269622851	ENST00000569656	N/A	XR_429679	N/A
A_23_P98402	10,8725	11,2169	-1,269622851	ENST00000620360	51092	NM_001040455	SIDT2
A_33_P3364338	1,55622	1,90066	-1,269658053	ENST00000478270	N/A	N/A	N/A
A_23_P217958	12,2661	12,6106	-1,269710858	ENST00000360289	3098	NM_033500	HK1
A_33_P3259373	1,5685	1,91305	-1,269754864	N/A	145624	NR_022009	PWAR1
A_22_P00010472	2,1702	2,51478	-1,269781268	N/A	102724167	NR_110659	PABPC5-AS1
A_33_P3322175	2,80443	3,14909	-1,269851681	ENST00000594725	N/A	XR_244009	N/A
A_33_P3263747	7,8656	8,21027	-1,269860483	N/A	N/A	N/A	N/A
A_21_P0010503	2,87343	3,21812	-1,269878087	N/A	100124700	NR_047518	HOTAIR
A_33_P3299421	6,8605	7,2052	-1,26988689	ENST00000332854	348327	NM_020880	ZNF530
A_23_P83149	5,50651	5,85121	-1,26988689	ENST00000377041	51104	NM_016014	ABHD17B
A_23_P137035	14,1132	14,4579	-1,26988689	ENST00000380421	8544	NM_003662	PIR
A_22_P00012407	2,10421	2,44898	-1,269948506	N/A	N/A	N/A	Inc-PRKD1-4
A_33_P3280950	5,6396	5,98439	-1,269966112	N/A	144571	NR_026971	A2M-AS1
A_23_P343963	9,04588	9,39068	-1,269974914	ENST00000333407	113828	NM_138435	FAM83F
A_19_P00805593	2,23208	2,57698	-1,270062945	N/A	N/A	N/A	Inc-GPR26-4
A_24_P358205	10,7302	11,0751	-1,270062945	ENST00000417077	N/A	N/A	N/A
A_22_P00016119	4,22766	4,57258	-1,270080552	N/A	N/A	AK123461	Inc-TIFA-1
A_33_P3244643	7,85741	8,20236	-1,270106963	ENST00000410025	440585	NM_001101376	FAM183A
A_23_P133332	11,3647	11,7097	-1,270150983	ENST00000515226	23107	NM_015084	MRPS27
A_33_P3226465	6,88208	7,22712	-1,270186199	ENST00000570478	474170	NM_001006607	LRRC37A2
A_33_P3400389	13,3861	13,7312	-1,270239026	ENST00000409718	26010	NM_001282735	SPATS2L
A_22_P00005945	3,32603	3,67114	-1,27024783	ENST00000551408	N/A	N/A	N/A
A_22_P00015339	1,46574	1,81092	-1,270309465	ENST00000508291	N/A	N/A	N/A
A_33_P3390960	1,49341	1,83865	-1,270362296	N/A	389362	AK095683	PSMG4
A_19_P00801506	9,14218	9,48753	-1,27045916	N/A	N/A	N/A	N/A

A_22_P00005525	1,43757	1,78295	-1,270485579	N/A	N/A	AK127472	Inc-ECHDC1-1
A_24_P151498	10,7725	11,1179	-1,270503192	ENST00000482508	3275	NM_206962	PRMT2
A_24_P76879	10,8396	11,185	-1,270503192	ENST00000368608	7259	NM_003309	TSPYL1
A_24_P220472	3,31279	3,65821	-1,270520805	ENST00000334325	353324	NM_181727	SPATA12
A_21_P0004751	3,29464	3,64006	-1,270520805	ENST00000430821	101927048	NR_110843	LOC101927048
A_22_P00011379	4,08055	4,42602	-1,270564839	ENST00000541254	N/A	N/A	N/A
A_33_P3391076	8,15989	8,50538	-1,270582453	ENST00000469707	10150	NM_207304	MBNL2
A_33_P3221748	1,55647	1,90212	-1,270723372	ENST00000338888	864	NM_001031680	RUNX3
A_21_P0010706	2,56244	2,90809	-1,270723372	ENST00000447329	N/A	N/A	N/A
A_21_P0013966	7,80403	8,1497	-1,270740989	N/A	N/A	AF090926	Inc-DHX40-1
A_24_P290354	10,7955	11,1412	-1,270767413	ENST00000471197	7763	NM_006007	ZFAND5
A_21_P0011758	5,29198	5,6377	-1,27078503	N/A	N/A	N/A	XLOC_I2_007097
A_22_P00006574	1,46179	1,80756	-1,270829073	N/A	N/A	N/A	Inc-FMN2-2
A_24_P412734	9,21193	9,55771	-1,270837881	ENST00000571878	146547	NM_173502	PRSS36
A_23_P85726	9,10621	9,45201	-1,270855499	ENST00000310392	92342	NM_033418	METT18
A_21_P0013528	8,25193	8,59794	-1,271040499	ENST00000521696	N/A	N/A	N/A
A_22_P00003199	1,45876	1,80481	-1,271075741	N/A	N/A	N/A	Inc-CA7-3
A_22_P00014201	4,28054	4,62667	-1,271146226	N/A	100874325	NR_046766	ATP2B2-IT2
A_23_P306845	1,52524	1,87139	-1,271163848	ENST00000532620	254187	NM_152762	TSGA10IP
A_19_P00315452	9,74233	10,0885	-1,27118147	ENST00000586949	100130938	XR_110148	LOC100130938
A_23_P102258	12,889	13,2353	-1,27129602	ENST00000468875	116540	NM_053050	MRPL53
A_33_P3256347	13,6948	14,0411	-1,27129602	ENST00000541231	26521	NM_012459	TIMM8B
A_23_P113777	1,47675	1,82319	-1,271419394	ENST00000622834	9358	NM_004791	ITGBL1
A_33_P3262217	4,02571	4,37216	-1,271428207	N/A	N/A	N/A	N/A
A_21_P0004514	3,17736	3,52389	-1,271498711	N/A	N/A	N/A	Inc-XRCC4-1
A_22_P00016054	8,5927	8,93929	-1,271551593	N/A	649446	NR_024101	DLGAP1-AS1
A_21_P0007893	3,15189	3,49849	-1,271560406	N/A	N/A	N/A	Inc-TAOK3-1
A_24_P82135	5,62931	5,97598	-1,271622104	ENST00000261847	9728	NM_014701	SECISBP2L
A_22_P00012934	6,13019	6,47686	-1,271622104	N/A	N/A	AK021739	Inc-RCL1-1
A_33_P3260106	3,88344	4,23012	-1,271630919	N/A	N/A	N/A	N/A
A_23_P13438	10,2061	10,5528	-1,271648547	ENST00000527102	84280	NM_032320	BTBD10
A_22_P00016450	9,49349	9,84027	-1,271719064	N/A	N/A	N/A	Inc-TMEM63A-1
A_33_P3423949	8,63722	8,98401	-1,271727879	ENST00000310942	84733	NM_005189	CBX2

A_21_P0003581	2,88651	3,23337	-1,271789586	N/A	N/A	N/A	Inc-CD38-2
A_21_P0002443	2,37519	2,72225	-1,271965905	N/A	N/A	N/A	Inc-BCL11A-5
A_33_P3311750	7,77928	8,12641	-1,272027623	ENST00000285176	9720	NM_014695	CCDC144A
A_22_P00012799	1,51938	1,86652	-1,27203644	ENST00000537998	N/A	N/A	N/A
A_23_P418464	1,79307	2,14029	-1,272106979	ENST00000375855	158046	NM_145283	NXNL2
A_23_P1782	12,8745	13,2218	-1,272177521	ENST00000227155	3732	NM_002231	CD82
A_23_P209805	11,2969	11,6442	-1,272177521	ENST00000409581	4664	NM_005966	NAB1
A_23_P168993	3,47249	3,81986	-1,272239249	ENST00000614635	155	NM_000025	ADRB3
A_23_P388146	11,9099	12,2573	-1,272265705	ENST00000603829	N/A	BC011243	N/A
A_21_P0000088	3,86436	4,21179	-1,272292161	N/A	57732	NM_001172658	ZFYVE28
A_33_P3211054	4,84505	5,19263	-1,272424451	ENST00000472043	127396	NM_152373	ZNF684
A_33_P3234025	1,49217	1,83978	-1,27245091	N/A	23254	XM_005245796	KAZN
A_21_P0005257	3,18932	3,53693	-1,27245091	ENST00000411856	N/A	N/A	N/A
A_33_P3280360	1,56628	1,91392	-1,272477371	N/A	100133857	AK128800	LOC100133857
A_22_P00023384	4,5603	4,90795	-1,272486191	ENST00000553901	N/A	XR_245752	N/A
A_33_P3387771	7,93375	8,28145	-1,272530293	ENST00000324545	8239	NM_001039590	USP9X
A_21_P0014135	11,3244	11,6721	-1,272530293	N/A	N/A	AV738989	N/A
A_33_P3422439	4,99201	5,33976	-1,272574396	ENST00000491722	N/A	N/A	N/A
A_21_P0014281	1,70824	2,05602	-1,272600859	N/A	N/A	BX096603	N/A
A_32_P223140	2,46606	2,8139	-1,272653786	ENST00000395809	221002	NM_145313	RASGEF1A
A_33_P3318911	9,82045	10,1683	-1,272662607	ENST00000406424	51763	NM_001135642	INPP5K
A_22_P00011177	1,36713	1,71501	-1,272689072	ENST00000532605	N/A	N/A	N/A
A_22_P00007581	5,76355	6,11161	-1,27284787	ENST00000406451	9734	N/A	HDAC9
A_22_P00023524	1,55462	1,90268	-1,27284787	N/A	N/A	N/A	Inc-SPRY2-2
A_33_P3212615	9,84027	10,1884	-1,272909631	ENST00000233156	7035	NM_006287	TFPI
A_23_P410587	6,98671	7,33489	-1,272953747	ENST00000511647	79960	NM_024900	JADE1
A_23_P64617	9,91212	10,2603	-1,272953747	ENST00000531380	8322	NM_012193	FZD4
A_33_P3282075	7,80783	8,15603	-1,272971394	ENST00000536300	80320	NM_001258248	SP6
A_19_P00811178	5,07945	5,42766	-1,272980218	ENST00000414769	84848	NR_024607	MIR503HG
A_33_P3291594	3,53593	3,88418	-1,273015513	ENST00000370131	1629	M19301	DBT
A_23_P12189	10,1749	10,5232	-1,273059633	ENST00000377038	1676	NM_213566	DFFA
A_33_P3312258	12,1614	12,5097	-1,273059633	ENST00000400534	203068	NM_001293212	TUBB
A_33_P3322192	6,31432	6,66266	-1,27309493	ENST00000548294	N/A	N/A	N/A



A_23_P13822	9,45575	9,80409	-1,27309493	ENST00000075503	55359	NM_018423	STYK1
A_24_P267997	7,4269	7,77527	-1,273121404	ENST00000528443	26092	NM_015602	TOR1AIP1
A_23_P37441	17,0783	17,4267	-1,273147878	ENST00000557901	567	NM_004048	B2M
A_22_P00024028	1,42685	1,77531	-1,273200828	N/A	N/A	N/A	Inc-GLYATL2-2
A_33_P3213374	5,79328	6,14177	-1,273227303	ENST00000618718	10370	NM_006079	CITED2
A_21_P0004453	3,45324	3,80176	-1,27325378	N/A	N/A	N/A	Inc-PRELI2-2
A_24_P184844	4,19563	4,54418	-1,273280257	N/A	1106	AF006514	CHD2
A_23_P157736	1,56008	1,90863	-1,273280257	ENST00000372264	84814	NM_032728	PPAPDC3
A_22_P00019558	2,9087	3,25727	-1,273297908	N/A	N/A	N/A	Inc-ZBTB38-1
A_33_P3287879	9,39596	9,74456	-1,273324386	ENST00000369163	8357	NM_003536	HIST1H3H
A_22_P00012319	7,54536	7,89401	-1,273368517	ENST00000616428	N/A	N/A	N/A
A_22_P00003327	1,48843	1,83719	-1,27346561	ENST00000519173	N/A	N/A	N/A
A_24_P152188	1,62116	1,96992	-1,27346561	ENST00000295902	166336	NM_198859	PRICKLE2
A_33_P3215557	7,65652	8,00543	-1,273598022	ENST00000613213	11173	NM_014272	ADAMTS7
A_21_P0010168	2,96074	3,30969	-1,273633334	N/A	101928689	N/A	LINC01424
A_33_P3348802	8,23591	8,58495	-1,27371279	ENST00000420509	N/A	BC044750	N/A
A_21_P0010499	1,67215	2,02122	-1,273739276	N/A	N/A	N/A	HOTTIP
A_23_P138776	7,54811	7,8972	-1,273756934	ENST00000525230	53	NM_001610	ACP2
A_22_P00011611	5,75795	6,10707	-1,273783421	N/A	N/A	N/A	Inc-PCM1-4
A_33_P3408227	2,94864	3,29777	-1,27379225	N/A	N/A	N/A	N/A
A_33_P3342957	9,33823	9,68737	-1,27380108	ENST00000263955	9262	NM_004226	STK17B
A_23_P45976	4,58081	4,92998	-1,273827568	ENST00000495204	5909	NM_002885	RAP1GAP
A_23_P73571	1,50717	1,85639	-1,273871716	ENST00000337685	139221	NM_152423	MUM1L1
A_21_P0010259	1,52504	1,87427	-1,273880546	N/A	102723380	XR_425283	LOC102723380
A_33_P3302791	8,19327	8,5425	-1,273880546	ENST00000451905	730338	XR_242176	LOC730338
A_21_P0014362	2,93766	3,28693	-1,273915866	N/A	102724715	XR_424811	LOC102724715
A_23_P123727	8,54349	8,89289	-1,274030663	ENST00000375963	79670	NM_024617	ZCCHC6
A_23_P122197	12,9914	13,3409	-1,274118975	ENST00000256442	891	NM_031966	CCNB1
A_33_P3231981	15,1872	15,5367	-1,274118975	ENST00000377488	11315	NM_007262	PARK7
A_24_P136402	3,94022	4,28972	-1,274118975	ENST00000389506	4297	NM_005933	KMT2A
A_33_P3260974	6,674	7,02354	-1,274154301	N/A	N/A	DA734158	N/A
A_23_P14636	11,6729	12,0226	-1,274295617	ENST00000267812	4236	NM_005926	MFAP1
A_23_P164946	7,95629	8,30604	-1,274339782	ENST00000391909	79147	NM_001039885	FKRP

A_32_P65706	2,46856	2,81831	-1,274339782	ENST00000380683	100129385	NM_001271829	C9orf92
A_22_P00013711	5,06912	5,41889	-1,274357448	N/A	N/A	N/A	Inc-RP11-791J7.2.1-1
A_22_P00011722	1,40301	1,75283	-1,274401615	N/A	N/A	BC043400	Inc-PEBP4-1
A_24_P75157	1,46259	1,81242	-1,274410448	ENST00000464222	6953	NM_004610	TCP10
A_24_P56270	8,55892	8,90876	-1,274419282	ENST00000344096	8445	NM_006482	DYRK2
A_22_P00021258	4,18754	4,53741	-1,274445783	N/A	N/A	BE738439	Inc-TMEM232-3
A_23_P150935	12,3095	12,6594	-1,274472285	ENST00000257909	10024	NM_005480	TROAP
A_23_P259189	11,3655	11,7155	-1,274560627	ENST00000488683	25932	NM_013943	CLIC4
A_33_P3266080	11,0934	11,4434	-1,274560627	ENST00000294168	10629	NM_006473	TAF6L
A_33_P3307163	7,15476	7,50479	-1,274587131	ENST00000369519	282996	NM_001134363	RBM20
A_23_P23719	9,66036	10,0104	-1,274595966	ENST00000618148	11311	NM_007259	VPS45
A_21_P0002609	1,64131	1,99144	-1,274675482	N/A	N/A	N/A	Inc-GYPC-1
A_21_P0014274	9,72096	10,0712	-1,274772675	ENST00000530083	171391	NR_126343	LOC171391
A_33_P3219230	1,39847	1,74873	-1,274790347	ENST00000596254	N/A	XM_003403481	N/A
A_22_P00017991	8,31802	8,66842	-1,27491406	N/A	100505812	NR_040599	CARD8-AS1
A_23_P140146	14,2627	14,6131	-1,27491406	ENST00000554909	83982	NM_032036	IFI27L2
A_32_P155826	3,13491	3,48538	-1,27497592	ENST00000437322	158572	NR_026742	USP27X-AS1
A_22_P00012899	6,32101	6,67153	-1,275020108	N/A	N/A	N/A	Inc-RBM34-1
A_33_P3217322	1,45897	1,8095	-1,275028946	N/A	54777	NM_001200049	CFAP46
A_24_P56240	9,62356	9,97424	-1,27516152	ENST00000331366	144402	NM_153634	CPNE8
A_33_P3382471	1,9698	2,32049	-1,275170359	ENST00000490948	284541	NM_001010969	CYP4A22
A_23_P51187	13,352	13,7028	-1,27526759	ENST00000400921	5590	NM_002744	PRKCZ
A_23_P312999	1,59874	1,9496	-1,275320628	ENST00000503883	255119	NM_152770	C4orf22
A_21_P0001417	2,68272	3,03369	-1,27541787	N/A	N/A	N/A	Inc-ATF3-1
A_23_P500601	10,384	10,735	-1,275444392	ENST00000355947	89122	NM_033017	TRIM4
A_24_P391368	11,9674	12,3184	-1,275444392	ENST00000493643	25814	NM_013236	ATXN10
A_33_P3601163	10,0534	10,4045	-1,275532802	ENST00000591501	147727	NR_024333	ILF3-AS1
A_24_P396650	10,2861	10,6373	-1,275621218	ENST00000374168	6195	NM_002953	RPS6KA1
A_22_P00016535	1,66464	2,01588	-1,275656586	ENST00000557295	283553	N/A	LINC00640
A_22_P00022123	4,75117	5,10243	-1,275674271	N/A	N/A	N/A	Inc-TK2-2
A_24_P58177	5,73643	6,08773	-1,27570964	ENST00000298858	80017	NM_001286473	C14orf159
A_33_P3304998	1,42812	1,77943	-1,275718483	N/A	N/A	N/A	N/A
A_23_P411335	7,68931	8,04062	-1,275718483	ENST00000357799	151246	NM_152524	SGOL2

A_23_P107855	7,60294	7,95426	-1,275727326	ENST00000221665	84922	NM_032836	FIZ1
A_21_P0001097	6,47457	6,82594	-1,27577154	N/A	N/A	N/A	Inc-TNFRSF9-1
A_33_P3279181	5,73057	6,08199	-1,275815755	N/A	N/A	N/A	N/A
A_23_P373054	8,12804	8,47957	-1,275913035	ENST00000342649	285343	NM_173826	TCAIM
A_33_P3331511	4,23255	4,58412	-1,275948412	ENST00000480237	100287569	NR_027345	LINC00173
A_22_P00003880	7,22268	7,57431	-1,276001478	N/A	N/A	N/A	Inc-CENPP-1
A_33_P3411637	5,07315	5,42479	-1,276010322	ENST00000450520	N/A	BC136790	N/A
A_23_P61149	4,78466	5,1364	-1,276098772	ENST00000445964	3635	NM_001017915	INPP5D
A_23_P377616	9,06987	9,42168	-1,27616069	ENST00000621399	1153	AK128423	CIRBP
A_21_P0011010	9,31698	9,66882	-1,276187227	N/A	N/A	N/A	XLOC_I2_002651
A_23_P138480	5,64331	5,99522	-1,27624915	ENST00000239125	79946	NM_024886	C10orf95
A_33_P3224157	4,92747	5,27938	-1,27624915	ENST00000392950	92335	NM_001165969	STRADA
A_32_P162187	6,39012	6,74205	-1,276266842	ENST00000299367	717	NM_000063	C2
A_22_P00018189	8,91471	9,26666	-1,276284535	N/A	N/A	N/A	Inc-ZNF609-1
A_23_P24332	1,55453	1,9065	-1,276302229	ENST00000527569	143662	NM_145650	MUC15
A_22_P00010664	1,49922	1,85121	-1,276319922	N/A	N/A	N/A	Inc-NENF-1
A_24_P67699	17,6409	17,9929	-1,276328769	ENST00000446445	6147	NM_000984	RPL23A
A_33_P3377519	3,5615	3,91351	-1,276337616	ENST00000222728	3203	XM_006715716	HOXA6
A_22_P00016852	1,83234	2,18447	-1,276443783	N/A	N/A	N/A	Inc-TRPM2-1
A_32_P122402	9,22917	9,58132	-1,276461478	ENST00000445872	441455	NR_026792	LOC441455
A_23_P219060	8,51142	8,86359	-1,276479174	ENST00000614086	63940	NM_022107	GPSM3
A_33_P3257891	2,65199	3,00424	-1,276549959	ENST00000211122	2940	NM_000847	GSTA3
A_32_P151800	9,87792	10,2302	-1,276576504	ENST00000584486	728833	NM_207418	FAM72D
A_22_P00013890	5,02906	5,38138	-1,276611899	ENST00000570314	101927060	N/A	LOC101927060
A_21_P0009324	8,27754	8,62989	-1,276638446	N/A	N/A	N/A	Inc-CCR7-1
A_23_P108743	1,39724	1,74964	-1,276682691	ENST00000409273	129446	NM_152381	XIRP2
A_22_P00018986	1,43016	1,78259	-1,27670924	N/A	101928440	NR_120550	FBXO3-AS1
A_24_P143301	1,3438	1,69625	-1,276726939	ENST00000274766	353219	NM_181337	KAAG1
A_33_P3266915	1,49243	1,84488	-1,276726939	N/A	N/A	N/A	Inc-CPNE5-1
A_33_P3421363	7,35775	7,71033	-1,276841989	ENST00000492115	169841	NM_194320	ZNF169
A_21_P0005999	1,72898	2,0816	-1,276877391	ENST00000442260	N/A	N/A	N/A
A_24_P213763	5,14447	5,49709	-1,276877391	ENST00000397495	N/A	BC013798	N/A
A_23_P418083	8,0161	8,36879	-1,276939347	ENST00000392959	167691	NM_181714	LCA5

A_23_P90079	4,6447	4,99739	-1,276939347	ENST00000460935	90576	NM_001080821	ZNF799
A_24_P307306	5,86953	6,22223	-1,276948198	ENST00000443168	N/A	N/A	N/A
A_23_P16415	10,4041	10,7568	-1,276948198	ENST00000590278	4037	NM_002333	LRP3
A_24_P136641	9,59594	9,94867	-1,276974751	N/A	100129250	NR_033991	TOPORS-AS1
A_22_P00019621	3,64393	3,99668	-1,276992454	N/A	N/A	CD367206	Inc-C1QTNF5-1
A_33_P3339256	2,93226	3,28505	-1,27702786	N/A	N/A	AK126938	N/A
A_33_P3422113	10,1955	10,5483	-1,277036712	N/A	221584	NR_024063	ZSCAN12P1
A_33_P3229181	12,6303	12,9831	-1,277036712	ENST00000354161	56996	NM_020246	SLC12A9
A_23_P13701	11,7717	12,1245	-1,277036712	ENST00000556010	51643	NM_016056	TMBIM4
A_22_P00000363	6,00795	6,36084	-1,27711638	N/A	N/A	BX108291	Inc-AC016722.2.1-2
A_23_P165090	12,9071	13,26	-1,277125233	ENST00000538929	374291	NM_024407	NDUFS7
A_22_P00001239	1,51652	1,86942	-1,277125233	ENST00000418875	N/A	N/A	N/A
A_23_P66050	7,48193	7,83498	-1,277258025	ENST00000449549	84752	NM_033309	B3GNT9
A_22_P00002525	2,90396	3,25701	-1,277258025	N/A	339192	XR_424828	LOC339192
A_23_P382043	10,3849	10,7381	-1,277390831	ENST00000319550	221294	NM_152729	NT5DC1
A_21_P0000953	1,54911	1,90246	-1,277523651	ENST00000420211	N/A	N/A	N/A
A_33_P3300273	7,67196	8,02533	-1,277541361	ENST00000294661	148423	NM_198077	C1orf52
A_33_P3226129	3,72975	4,08318	-1,277594494	N/A	N/A	N/A	N/A
A_21_P0009980	1,65111	2,00454	-1,277594494	N/A	N/A	N/A	Inc-MC3R-1
A_23_P141960	9,32864	9,6822	-1,277709622	ENST00000322354	29946	NM_203344	SERTAD3
A_21_P0011017	12,0878	12,4414	-1,277745048	N/A	N/A	N/A	XLOC_I2_002767
A_33_P3480561	5,68069	6,03429	-1,277745048	ENST00000462718	83592	NM_001271025	AKR1E2
A_24_P122337	7,34318	7,69681	-1,277771618	ENST00000276141	94121	NM_080737	SYTL4
A_33_P3416009	1,65019	2,00382	-1,277771618	ENST00000303113	29980	AK001274	DONSON
A_33_P3212102	1,80197	2,15561	-1,277780475	ENST00000273905	345274	NM_197965	SLC10A6
A_22_P00005133	6,30809	6,66178	-1,27782476	ENST00000542248	387895	N/A	LINC00944
A_33_P3363560	11,2552	11,6089	-1,277833618	ENST00000376014	55092	NM_001136216	TMEM51
A_19_P00802936	14,4227	14,7765	-1,277922193	ENST00000530758	55845	NM_018462	BRK1
A_23_P366035	1,44834	1,80217	-1,277948767	ENST00000554566	145447	NM_001206673	ABHD12B
A_24_P229164	8,26045	8,61431	-1,277975342	ENST00000536617	9026	NM_003959	HIP1R
A_33_P3875565	1,45165	1,80554	-1,278001917	ENST00000449427	100270679	NR_038394	LINC01432
A_21_P0003852	1,50891	1,86281	-1,278010775	N/A	N/A	N/A	Inc-MGST2-1
A_23_P78504	1,52621	1,88035	-1,278223397	ENST00000254181	57663	NM_020903	USP29

A_23_P81507	8,24087	8,59504	-1,278249977	ENST00000261800	2196	NM_001447	FAT2
A_22_P00020462	2,08441	2,43865	-1,278312	N/A	100874078	NR_046592	EIF1AX-AS1
A_21_P0001454	2,29446	2,64872	-1,278329721	N/A	N/A	N/A	Inc-NOC2L-5
A_19_P00321556	1,42571	1,78001	-1,278365164	ENST00000435394	101927528	N/A	LINC01204
A_23_P138524	1,60333	1,95769	-1,278418331	ENST00000241305	119587	NM_198148	CPXM2
A_21_P0007260	1,63159	1,98596	-1,278427192	N/A	N/A	N/A	Inc-RP11-201M22.1.1-2
A_23_P359904	12,6679	13,0223	-1,278453777	ENST00000319863	347862	NM_182612	PDDC1
A_21_P0009876	2,99692	3,35136	-1,278489223	ENST00000450640	101929207	NR_109860	LOC101929207
A_22_P00018659	1,36207	1,71656	-1,278533533	N/A	N/A	N/A	Inc-CPT2-4
A_33_P3268793	10,578	10,9325	-1,278542395	ENST00000329478	113179	NM_138422	ADAT3
A_21_P0004873	1,41304	1,76767	-1,278657609	ENST00000530000	100653005	XR_132518	LOC100653005
A_33_P3210303	1,35928	1,71396	-1,278701925	N/A	N/A	CU688821	N/A
A_21_P0013131	3,49923	3,85391	-1,278701925	ENST00000450618	N/A	XR_242007	N/A
A_23_P115922	12,159	12,5137	-1,278719651	ENST00000373218	1979	NM_004096	EIF4EBP2
A_22_P00021819	1,56473	1,91951	-1,278790561	ENST00000567103	N/A	N/A	N/A
A_33_P3269408	15,1929	15,5477	-1,278808289	ENST00000388920	399823	NM_207426	FOXI2
A_32_P505730	2,68691	3,04173	-1,278826017	ENST00000304890	3116	BC017967	HLA-DPB2
A_22_P00012284	4,40903	4,76387	-1,278843745	N/A	N/A	N/A	Inc-PPP2R2D-3
A_33_P3415491	8,24929	8,60414	-1,278852609	ENST00000615333	197335	NM_145294	WDR90
A_23_P160567	5,56856	5,92342	-1,278861474	ENST00000611861	84217	NM_032257	ZMYND12
A_21_P0009133	4,09733	4,45221	-1,278879203	N/A	N/A	N/A	Inc-CLEC18B-3
A_21_P0010725	7,40075	7,75578	-1,279012177	ENST00000457390	N/A	N/A	N/A
A_22_P00002070	6,16756	6,5226	-1,279021043	ENST00000560376	N/A	N/A	N/A
A_33_P3289352	5,55317	5,90821	-1,279021043	ENST00000368456	90780	NM_138300	PYGO2
A_33_P3329023	4,43515	4,7902	-1,279029908	ENST00000615519	388650	NM_001252273	FAM69A
A_23_P351328	1,66969	2,02495	-1,279216099	ENST00000335524	339779	NM_178553	PRR30
A_22_P00014036	2,93421	3,28949	-1,279233832	N/A	N/A	N/A	Inc-S100A1-2
A_21_P0011426	3,62267	3,97801	-1,279287035	ENST00000254109	100132341	N/A	CLUHP3
A_23_P30275	9,84194	10,1973	-1,27930477	ENST00000507621	78991	NM_024028	PCYOX1L
A_23_P154832	14,4195	14,7749	-1,279340241	ENST00000400093	522	NM_001003703	ATP5J
A_23_P155052	4,69379	5,04925	-1,279393448	ENST00000409652	80830	NM_030641	APOL6
A_21_P0006516	3,16378	3,51929	-1,279437789	ENST00000592070	100506757	NR_038998	LINC00629
A_33_P3323048	5,26886	5,62437	-1,279437789	ENST00000507030	84068	NM_001029998	SLC10A7

A_33_P3410385	3,42219	3,77772	-1,279455526	ENST00000379672	9912	NM_014859	ARHGAP44
A_22_P00009703	3,63475	3,9903	-1,279473263	ENST00000579480	N/A	BG033148	N/A
A_22_P00002244	9,43696	9,79254	-1,279499869	N/A	102724002	XR_424156	LOC102724002
A_23_P77000	7,27789	7,63356	-1,279579691	ENST00000167106	22846	NM_014909	VASH1
A_32_P107746	11,0908	11,4465	-1,2796063	ENST00000554405	2029	NM_207042	ENSA
A_33_P3328751	1,45001	1,80575	-1,279641778	N/A	N/A	N/A	N/A
A_33_P3267233	2,53274	2,88852	-1,279677258	N/A	N/A	CU692315	N/A
A_24_P242361	8,14592	8,50175	-1,279721609	ENST00000370550	9653	NM_012262	HS2ST1
A_24_P205019	8,33758	8,69343	-1,27973935	ENST00000292579	58500	NM_021061	ZNF250
A_24_P414719	8,17645	8,53231	-1,27974822	N/A	4800	NM_002505	NFYA
A_33_P3376249	17,7126	18,0685	-1,279783703	ENST00000368709	6273	NM_005978	S100A2
A_33_P3499692	9,87857	10,2345	-1,279810316	N/A	645261	AF258587	LOC645261
A_22_P00003071	1,46296	1,81893	-1,2798458	ENST00000524098	N/A	N/A	N/A
A_22_P00011218	5,79199	6,14816	-1,280023237	N/A	N/A	N/A	Inc-OPN4-1
A_33_P3373437	3,17324	3,52941	-1,280023237	ENST00000523608	N/A	N/A	N/A
A_33_P3328921	1,54728	1,90349	-1,280058727	ENST00000559615	N/A	BX161431	N/A
A_22_P00025068	2,3194	2,67565	-1,280094218	N/A	N/A	N/A	Inc-MAEL-1
A_33_P3227556	9,74374	10,1001	-1,280191824	N/A	N/A	N/A	N/A
A_23_P259207	4,82343	5,1798	-1,280200698	ENST00000496844	55258	NM_018271	THNSL2
A_21_P0006174	5,50493	5,86132	-1,280218445	N/A	N/A	N/A	Inc-C9orf79-1
A_33_P3619819	14,605	14,9614	-1,280227319	N/A	N/A	N/A	Inc-USP35-1
A_24_P791829	10,8618	11,2182	-1,280227319	ENST00000225388	57532	NM_020772	NUFIP2
A_24_P56467	13,487	13,8434	-1,280227319	ENST00000559287	51292	NM_001002000	GMPR2
A_21_P0014619	4,82543	5,18186	-1,280253941	N/A	101928953	BQ082135	LOC101928953
A_22_P00025793	1,49947	1,85592	-1,280271689	N/A	N/A	N/A	Inc-AC135050.1-1
A_22_P00015526	1,41656	1,77303	-1,280289438	ENST00000512873	101929199	NR_125921	LOC101929199
A_21_P0007006	2,37912	2,7356	-1,280298312	N/A	N/A	N/A	Inc-DYDC1-3
A_22_P00023034	2,39376	2,75026	-1,280316061	ENST00000501143	101927792	XR_243463	LOC101927792
A_22_P00009839	1,58598	1,94262	-1,280440309	ENST00000524707	N/A	N/A	N/A
A_23_P64650	13,2065	13,5632	-1,280493562	ENST00000323833	10102	NM_005726	TSFM
A_33_P3334791	7,55257	7,90935	-1,28056457	ENST00000368264	112770	NM_001256608	GLMP
A_21_P0003626	2,28686	2,64364	-1,28056457	N/A	N/A	N/A	Inc-COPS4-1
A_23_P419202	4,95534	5,31219	-1,280626705	ENST00000602828	26149	NM_033160	ZNF658

A_32_P192474	5,69652	6,05338	-1,280635582	ENST00000460171	80863	NM_030651	PRRT1
A_21_P0014876	8,39964	8,7565	-1,280635582	N/A	N/A	N/A	N/A
A_23_P141021	7,38325	7,74014	-1,280662212	ENST00000563095	54947	NM_017839	LPCAT2
A_21_P0009569	1,69606	2,053	-1,280706597	N/A	N/A	N/A	Inc-CDH19-1
A_33_P3258660	5,31766	5,67471	-1,28080425	ENST00000273908	79966	NM_024906	SCD5
A_33_P3421084	4,35259	4,70964	-1,28080425	ENST00000560282	388182	NR_028139	SPATA41
A_32_P321996	1,58263	1,93975	-1,280866396	ENST00000360890	57705	NM_020945	WDFY4
A_23_P423331	3,91004	4,26717	-1,280875275	ENST00000393229	84628	NM_032536	NTNG2
A_32_P156892	11,9059	12,2631	-1,280937425	ENST00000421179	6767	NM_003932	ST13
A_24_P251661	6,47429	6,83152	-1,280964061	ENST00000314235	27094	NM_171828	KCNMB3
A_21_P0012910	8,35103	8,70828	-1,280981819	ENST00000492832	387036	N/A	GUSBP2
A_23_P211039	8,61302	8,97028	-1,280990698	ENST00000464589	9510	NM_006988	ADAMTS1
A_33_P3322594	3,33579	3,69311	-1,281043974	ENST00000400004	645864	N/A	MAGEB17
A_24_P88801	5,96102	6,31836	-1,281061734	ENST00000355301	4867	NM_000272	NPHP1
A_23_P50426	11,5877	11,9452	-1,281203816	ENST00000586659	25959	NM_015493	KANK2
A_33_P3241741	6,67128	7,02884	-1,281257101	N/A	677808	NR_002962	SNORA23
A_23_P120860	10,0709	10,4285	-1,281292625	ENST00000216121	8508	NM_003634	NIPSNAP1
A_24_P301547	5,79871	6,15632	-1,281301506	ENST00000426147	55028	NM_017941	C17orf80
A_23_P211643	4,23956	4,5972	-1,281328151	ENST00000493286	5465	NM_005036	PPARA
A_23_P154874	6,86124	7,21889	-1,281337032	ENST00000497493	10311	NM_006052	DSCR3
A_33_P3345708	7,46803	7,8257	-1,281354795	ENST00000368600	148327	NM_130898	CREB3L4
A_33_P3214052	2,65452	3,01222	-1,281381441	N/A	N/A	N/A	Inc-SHPRH-2
A_21_P0003278	8,23143	8,58914	-1,281390323	N/A	N/A	N/A	Inc-WNT7A-1
A_33_P3382147	7,34755	7,7053	-1,281425851	ENST00000487412	90627	AY082592	STARD13
A_23_P119714	11,8227	12,1805	-1,281470262	ENST00000359435	29086	NM_001033549	BABAM1
A_23_P163099	9,12502	9,48291	-1,281550207	ENST00000556584	5427	NM_002692	POLE2
A_33_P3238636	1,46792	1,82582	-1,28155909	ENST00000447353	129881	NM_001085447	CCDC173
A_24_P269779	1,5907	1,94874	-1,281683459	ENST00000373115	9469	NM_004273	CHST3
A_19_P00320731	4,41407	4,77222	-1,281781187	ENST00000450550	101927043	N/A	LOC101927043
A_21_P0008447	4,08492	4,44308	-1,281790071	N/A	N/A	N/A	Inc-SGPP1-1
A_33_P3261927	7,44271	7,80087	-1,281790071	ENST00000331410	285989	NM_213603	ZNF789
A_23_P133755	11,4309	11,7891	-1,281825611	ENST00000369110	5550	NM_002726	PREP
A_23_P57667	15,4474	15,8056	-1,281825611	ENST00000393409	5361	NM_032242	PLXNA1

A_23_P160214	6,85089	7,20911	-1,281843381	ENST00000447632	22996	NM_001080494	TTC39A
A_33_P3235706	4,46646	4,82469	-1,281852266	N/A	23318	BC048301	ZCCHC11
A_33_P3229477	6,91252	7,27077	-1,281870036	ENST00000337532	143098	NM_173496	MPP7
A_23_P213093	13,0586	13,4169	-1,281914463	ENST00000381473	54940	NM_001079839	OCIAD1
A_23_P136172	9,51577	9,87411	-1,281950006	ENST00000617977	137695	NM_152417	TMEM68
A_22_P00010509	3,34548	3,70383	-1,281958892	N/A	N/A	N/A	Inc-NBPF24-4
A_21_P0007692	3,94391	4,3023	-1,281994436	N/A	102724247	XR_424331	LOC102724247
A_21_P0014943	1,48579	1,84422	-1,28202998	N/A	101930418	XR_250440	LOC101930418
A_23_P348383	6,88268	7,24112	-1,282038867	ENST00000389652	57545	NM_001080522	CC2D2A
A_23_P41194	6,63075	6,98919	-1,282038867	ENST00000522329	151827	NM_153353	LRR34
A_23_P164528	8,69577	9,05422	-1,282047753	ENST00000615645	23335	NM_015285	WDR7
A_33_P3372722	3,31909	3,67755	-1,28205664	N/A	N/A	N/A	Inc-ENDOD1-1
A_22_P00018871	2,46342	2,82188	-1,28205664	ENST00000457858	102724076	N/A	LINC01038
A_21_P0001486	6,23671	6,59517	-1,28205664	N/A	N/A	N/A	Inc-TAF12-3
A_21_P0001731	1,44863	1,80712	-1,2820833	ENST00000452509	100505768	NR_038324	LINC01364
A_22_P00021102	5,00203	5,36052	-1,2820833	N/A	N/A	BC036938	Inc-LRRC17-1
A_33_P3782529	3,9097	4,26821	-1,282101073	N/A	553103	NR_110997	LOC553103
A_22_P00014474	1,41878	1,77736	-1,282163283	N/A	N/A	N/A	Inc-SHANK2-4
A_33_P3422289	9,61729	9,97588	-1,28217217	N/A	N/A	N/A	Inc-TMED5-1
A_33_P3346403	15,7233	16,0821	-1,282358818	ENST00000397729	5757	NM_001099285	PTMA
A_22_P00025283	1,66013	2,01894	-1,282367706	N/A	N/A	N/A	Inc-H2AFV-1
A_23_P4160	7,62292	7,98175	-1,282385484	ENST00000356906	10230	NR_003108	NBR2
A_22_P00000933	1,46307	1,82206	-1,282527713	ENST00000448674	N/A	XM_005252244	N/A
A_23_P137705	7,79268	8,15183	-1,282669958	ENST00000465440	9095	NM_005149	TBX19
A_33_P3282205	1,45855	1,81773	-1,28269663	N/A	N/A	AK026419	N/A
A_21_P0013693	1,70179	2,06113	-1,282838894	ENST00000423138	158381	N/A	ATP8B5P
A_23_P101407	11,224	11,5834	-1,282892247	ENST00000599899	718	NM_000064	C3
A_21_P0008791	5,00973	5,36914	-1,282901139	ENST00000611265	400456	N/A	LINC01197
A_33_P3212167	2,79275	3,15222	-1,282954495	ENST00000546208	88	NM_001278344	ACTN2
A_23_P93360	8,23882	8,5983	-1,282963387	ENST00000462045	177	NM_001136	AGER
A_33_P3348887	7,49572	7,85522	-1,282981173	ENST00000373482	5090	NM_006195	PBX3
A_23_P31218	5,87078	6,2303	-1,282998959	ENST00000333319	129790	NR_026865	C7orf13
A_21_P0002527	1,54684	1,90641	-1,283043425	N/A	N/A	N/A	Inc-ZSWIM2-4



A_24_P4661	11,6815	12,0411	-1,283070106	ENST00000397776	9538	NM_004879	EI24
A_21_P0008800	1,37697	1,73663	-1,283123468	ENST00000561362	N/A	N/A	N/A
A_23_P29953	10,1189	10,4786	-1,283159044	ENST00000320650	3600	NM_172175	IL15
A_22_P00006082	3,08487	3,44478	-1,283345836	ENST00000443359	N/A	N/A	N/A
A_23_P50517	1,38717	1,74708	-1,283345836	ENST00000314121	84215	NM_001277075	ZNF541
A_23_P13907	1,45568	1,8156	-1,283354731	ENST00000481539	3479	NM_000618	IGF1
A_19_P00322757	3,62391	3,98386	-1,283381418	ENST00000442625	23263	BC035340	MCF2L
A_23_P75380	12,4968	12,8568	-1,283425898	ENST00000279146	9049	NM_003977	AIP
A_23_P48835	12,4912	12,8512	-1,283425898	ENST00000260363	9493	NM_138555	KIF23
A_21_P0014703	5,95201	6,31209	-1,283497068	N/A	643837	NR_047526	LINC01128
A_33_P3322539	3,4806	3,8408	-1,283603831	ENST00000380030	139105	NM_001184767	BEND2
A_33_P3325384	3,96175	4,32196	-1,283612728	N/A	100130992	NR_038921	LOC100130992
A_33_P3381691	3,11885	3,47908	-1,283630523	ENST00000623295	140834	NM_001287807	C20orf62
A_22_P00006986	3,50899	3,86928	-1,283683908	N/A	N/A	N/A	Inc-GDPD4-2
A_24_P366535	11,8687	12,229	-1,283692806	ENST00000604252	N/A	N/A	N/A
A_24_P64653	4,75791	5,11823	-1,283710602	ENST00000614691	196410	NM_152637	METTL7B
A_22_P00001119	3,15875	3,51913	-1,283763991	N/A	N/A	N/A	Inc-ALPK3-1
A_21_P0014743	1,6512	2,01163	-1,283808484	N/A	N/A	N/A	N/A
A_21_P0013205	1,62157	1,982	-1,283808484	N/A	N/A	N/A	XLOC_I2_013427
A_23_P252082	6,41091	6,77147	-1,283924172	ENST00000484928	55365	NM_018487	TMEM176A
A_23_P158318	1,4831	1,84375	-1,28400427	ENST00000550066	4920	NM_004560	ROR2
A_23_P39088	13,2866	13,6473	-1,284048771	ENST00000391851	3276	NM_001536	PRMT1
A_24_P143189	16,7851	17,1458	-1,284048771	ENST00000380633	7114	NM_021109	TMSB4X
A_22_P00012887	4,74724	5,10797	-1,284075472	N/A	N/A	N/A	Inc-RBM17-1
A_24_P24685	8,72233	9,0831	-1,284111075	ENST00000451823	N/A	N/A	N/A
A_22_P00003104	3,95903	4,31991	-1,284208987	ENST00000432783	158435	NR_033838	LOC158435
A_33_P3271725	5,43608	5,79696	-1,284208987	ENST00000398814	80125	NM_025055	CCDC33
A_33_P3708364	16,1633	16,5242	-1,28422679	N/A	644285	AK126853	LOC644285
A_33_P3319421	1,96605	2,32699	-1,284262397	ENST00000619103	N/A	N/A	N/A
A_33_P3280317	1,54706	1,9081	-1,284351418	ENST00000624685	388667	NM_001013643	C1orf137
A_33_P3379391	6,80436	7,16543	-1,284378126	ENST00000389078	55766	NM_177925	H2AFJ
A_23_P85560	13,9425	14,3036	-1,284404834	ENST00000373586	8668	NM_003757	EIF3I
A_21_P0010514	6,65982	7,02098	-1,284458252	ENST00000544155	N/A	XR_427269	N/A

A_33_P3291776	14,2725	14,6337	-1,284493865	ENST00000461452	54187	NM_018946	NANS
A_23_P141076	1,57386	1,93506	-1,284493865	ENST00000394747	85320	NM_033151	ABCC11
A_33_P3284108	7,02198	7,38325	-1,284556191	ENST00000570034	4905	NM_006178	NSF
A_33_P3426943	1,57867	1,94001	-1,284618519	N/A	151484	NR_038238	LOC151484
A_23_P7655	8,14466	8,50605	-1,284663042	ENST00000393770	662	NM_013978	BNIP1
A_24_P272061	17,1176	17,479	-1,284671946	ENST00000430133	23521	NM_012423	RPL13A
A_24_P238499	7,03083	7,39224	-1,284680851	N/A	494514	NM_001012716	TYMSOS
A_21_P0002207	4,84744	5,2089	-1,284725375	N/A	N/A	N/A	Inc-SIX3-3
A_33_P3226825	2,06008	2,42157	-1,284752091	ENST00000431365	117579	NM_080864	RLN3
A_21_P0007550	4,53658	4,89809	-1,284769901	N/A	N/A	N/A	Inc-TMEM106C-1
A_33_P3370060	7,41115	7,77281	-1,284903489	ENST00000562773	57636	NM_001199417	ARHGAP23
A_22_P00009183	2,55238	2,91413	-1,284983647	N/A	N/A	N/A	Inc-LOX-5
A_21_P0001304	2,46026	2,82203	-1,285001461	N/A	N/A	N/A	Inc-PRKAA2-2
A_22_P00011672	1,429	1,79077	-1,285001461	ENST00000579944	100131814	NR_026805	LINC00271
A_19_P00317878	5,49255	5,85437	-1,285045997	N/A	100652730	NR_046224	LINC00659
A_24_P16950	6,75438	7,11624	-1,285081626	ENST00000429604	90338	NM_198893	ZNF160
A_22_P00001813	7,60371	7,96563	-1,285135072	ENST00000523791	N/A	N/A	N/A
A_22_P00004407	4,34418	4,70612	-1,285152888	N/A	N/A	BX101153	Inc-COMMD6-1
A_21_P0008857	5,80344	6,16553	-1,285286515	N/A	N/A	N/A	Inc-PEAK1.1-1
A_33_P3223111	6,02232	6,38441	-1,285286515	N/A	N/A	N/A	N/A
A_33_P3278211	5,23893	5,60105	-1,285313242	N/A	79812	XM_006717970	MMRN2
A_22_P00005454	3,9133	4,27561	-1,285482527	ENST00000518163	N/A	BG459920	N/A
A_23_P62227	1,4588	1,82112	-1,285491437	ENST00000378962	80231	NM_025159	CXorf21
A_24_P32574	1,39614	1,75869	-1,285696391	ENST00000304613	85442	NM_152643	KNDC1
A_21_P0009645	1,45282	1,81565	-1,285945945	ENST00000588275	101928845	XR_244102	LOC101928845
A_22_P00002330	1,45151	1,81447	-1,286061826	ENST00000534756	101928536	NR_120553	LINC01493
A_21_P0009697	2,21272	2,57569	-1,28607074	N/A	N/A	N/A	Inc-ZNF730-1
A_32_P158746	15,3707	15,7337	-1,286097483	ENST00000422360	6139	NM_000985	RPL17
A_24_P32139	3,31211	3,67519	-1,286168802	ENST00000415389	285242	NM_182589	HTR3E
A_21_P0009344	1,44367	1,80678	-1,286195547	N/A	N/A	N/A	Inc-NACA2-2
A_23_P68949	12,7539	13,1172	-1,286364948	ENST00000455824	6767	NM_003932	ST13
A_33_P3392097	4,81363	5,17697	-1,286400614	N/A	N/A	N/A	Inc-ZNF2-1
A_22_P00007458	2,46804	2,83143	-1,286445198	N/A	N/A	N/A	Inc-GTDC1-7

A_24_P318990	5,56828	5,9317	-1,286471949	ENST00000390291	N/A	BC012876	N/A
A_33_P3260733	1,42389	1,78734	-1,286498701	ENST00000511135	2690	NM_001242462	GHR
A_24_P322395	9,55382	9,91728	-1,286507618	ENST00000602166	112398	NM_080732	EGLN2
A_21_P0012139	1,49883	1,8623	-1,286516535	ENST00000433681	N/A	N/A	N/A
A_22_P00003349	2,34078	2,70426	-1,286525453	ENST00000607801	100302640	NR_028303	LINC00882
A_23_P35066	12,7441	13,1076	-1,286543288	ENST00000529992	51375	NM_015976	SNX7
A_22_P00006790	7,39641	7,75999	-1,286614631	N/A	N/A	N/A	Inc-FZD4-1
A_33_P3287529	9,35479	9,71839	-1,286632468	ENST00000478938	51150	NM_016176	SDF4
A_32_P232192	5,17145	5,53505	-1,286632468	ENST00000273009	129563	NM_001257281	DIS3L2
A_22_P00001693	1,47107	1,83467	-1,286632468	ENST00000446794	N/A	N/A	N/A
A_21_P0012633	2,10484	2,46856	-1,286739491	N/A	N/A	N/A	XL0C_I2_010947
A_32_P118397	1,57363	1,9374	-1,286784087	ENST00000394468	253012	NM_001039372	HEPACAM2
A_33_P3373598	1,35042	1,71419	-1,286784087	ENST00000421694	221438	NR_002794	TREML5P
A_23_P503182	11,6555	12,0194	-1,286900043	ENST00000544583	29	NM_021962	ABR
A_23_P502797	10,4471	10,811	-1,286900043	ENST00000233055	57590	NM_020830	WDFY1
A_23_P72138	12,8682	13,2321	-1,286900043	ENST00000310776	56945	NM_020191	MRPS22
A_22_P00021553	8,18653	8,55044	-1,286908963	ENST00000582435	101927323	NR_110773	PPP4R1-AS1
A_24_P65941	8,22701	8,59096	-1,286944644	N/A	80215	NR_026812	RUNX1-IT1
A_33_P3289000	6,63961	7,0037	-1,287069536	N/A	N/A	N/A	N/A
A_33_P3309481	2,81741	3,18159	-1,28714983	ENST00000490575	148713	NR_002930	PTPRVP
A_33_P3215968	1,38755	1,75175	-1,287167674	N/A	N/A	N/A	N/A
A_33_P3788772	2,74812	3,11234	-1,287185518	N/A	200609	AL137458	LOC200609
A_23_P252962	7,97203	8,33627	-1,287203363	ENST00000381291	6453	NM_001001132	ITSN1
A_21_P0014773	4,85206	5,21631	-1,287212285	N/A	N/A	N/A	N/A
A_23_P399501	15,5896	15,9539	-1,287256897	ENST00000567118	5315	NM_182470	PKM
A_33_P3398187	2,4797	2,84401	-1,28726582	N/A	N/A	N/A	N/A
A_33_P3368610	11,1958	11,5602	-1,287346126	ENST00000552761	51535	NM_201438	PPHLN1
A_22_P00007307	4,87096	5,23557	-1,287533527	ENST00000415174	151475	NR_040038	LOC151475
A_23_P70701	8,85673	9,2214	-1,287587075	ENST00000350026	57492	NM_017519	ARID1B
A_33_P3336622	11,3763	11,741	-1,28761385	ENST00000573505	224	NM_001031806	ALDH3A2
A_33_P3268334	11,5825	11,9472	-1,28761385	ENST00000402426	5223	NM_002629	PGAM1
A_32_P77502	13,4262	13,791	-1,287703104	ENST00000483137	220988	NM_194247	HNRNPA3
A_21_P0000292	1,71336	2,07818	-1,287720955	ENST00000450626	440799	NR_002829	P2RX6P

A_21_P0000134	1,56115	1,926	-1,287747733	ENST00000522210	203074	NM_001197020	PRSS55
A_23_P354288	1,54489	1,90978	-1,287783437	ENST00000294829	149647	NM_153606	FAM71A
A_33_P3249002	12,4734	12,8383	-1,287792363	N/A	N/A	N/A	N/A
A_21_P0006896	1,63823	2,00314	-1,28780129	N/A	N/A	N/A	Inc-TNKS2-1
A_22_P00018320	1,62235	1,98729	-1,287828069	ENST00000613885	23145	NM_198455	SSPO
A_24_P105747	8,60252	8,96747	-1,287836996	ENST00000334271	130340	NM_001039569	AP1S3
A_22_P00004583	2,70862	3,07371	-1,287961974	ENST00000454253	N/A	N/A	N/A
A_33_P3326423	10,7483	11,1134	-1,287970902	ENST00000370162	27343	NM_001174084	POLL
A_23_P217009	7,44301	7,80813	-1,287988757	ENST00000297623	84688	NM_032596	C9orf24
A_21_P0014334	5,1647	5,52982	-1,287988757	N/A	101928557	XR_243490	LOC101928557
A_32_P66974	9,27411	9,63931	-1,28806018	ENST00000540028	9159	NM_004716	PCSK7
A_24_P239811	7,36947	7,73467	-1,28806018	ENST00000496466	91544	NM_183008	UBXN11
A_23_P252711	10,8447	11,2099	-1,28806018	ENST00000522447	51110	NM_016027	LACTB2
A_21_P0013626	1,60356	1,96878	-1,288078037	ENST00000557161	10850	N/A	CCL27
A_33_P3301445	10,2595	10,6248	-1,288149465	N/A	N/A	N/A	N/A
A_21_P0006226	2,66905	3,0344	-1,288194109	N/A	N/A	N/A	Inc-PBX3-1
A_21_P0003578	1,56985	1,93523	-1,288220897	N/A	N/A	N/A	Inc-CPEB2-5
A_22_P00018352	2,24378	2,60918	-1,288238756	N/A	101927757	XR_248470	LOC101927757
A_22_P00020628	1,42682	1,79229	-1,288301263	N/A	100874196	NR_046540	DIAPH3-AS2
A_33_P3352652	1,42751	1,79299	-1,288310193	ENST00000329564	390083	NM_001003443	OR56A3
A_24_P402080	11,6301	11,9956	-1,288328053	ENST00000397860	4155	NM_001025100	MBP
A_22_P00017899	1,41537	1,78088	-1,288336983	ENST00000547563	N/A	BG211543	N/A
A_21_P0014390	3,8642	4,22973	-1,288354843	N/A	101928464	XR_244094	LOC101928464
A_33_P3380751	4,48024	4,84582	-1,288399495	ENST00000261197	6489	NM_003034	ST8SIA1
A_33_P3275000	4,22666	4,59224	-1,288399495	ENST00000400239	9923	NM_001083621	ZBTB40
A_22_P00021727	1,6535	2,01911	-1,288426286	ENST00000589999	101927210	XR_243979	LOC101927210
A_33_P3242483	8,97234	9,33797	-1,288444148	ENST00000345122	394	NM_001030055	ARHGAP5
A_23_P40315	6,53572	6,90138	-1,288470941	ENST00000608192	55184	NM_001099407	DZANK1
A_24_P256307	13,7137	14,0795	-1,288595981	ENST00000256682	377	NM_001659	ARF3
A_23_P4545	1,46065	1,82646	-1,288604913	ENST00000587291	83876	NM_031939	MRO
A_33_P3386156	3,4444	3,81025	-1,288640641	ENST00000334293	60680	NM_021938	CELF5
A_32_P138004	11,0333	11,3992	-1,288685303	ENST00000535029	404636	NM_207009	FAM45A
A_33_P3364884	11,8405	12,2064	-1,288685303	ENST00000461692	5162	NM_000925	PDHB

A_23_P109229	1,39548	1,76146	-1,288756764	ENST00000375519	140732	NM_080675	SUN5
A_23_P102202	12,1517	12,5177	-1,28877463	ENST00000614496	2956	NM_000179	MSH6
A_22_P00005600	1,54107	1,90707	-1,28877463	N/A	N/A	N/A	Inc-EFR3A-6
A_33_P3213685	1,65909	2,0251	-1,288783564	ENST00000409082	81617	NM_001287339	CAB39L
A_33_P3289446	1,50171	1,8678	-1,288855031	N/A	100131048	AK125976	LOC100131048
A_21_P0005028	2,88321	3,24943	-1,288971174	N/A	N/A	N/A	Inc-MRPS18A-3
A_24_P109071	3,70232	4,06858	-1,289006912	ENST00000297814	55582	NM_017576	KIF27
A_23_P152125	8,93414	9,30041	-1,289015847	ENST00000561895	4597	NM_002461	MVD
A_21_P0003077	1,70986	2,07615	-1,289033717	N/A	101929152	XR_241635	P3H2-AS1
A_33_P3309075	10,1403	10,5066	-1,289042652	ENST00000409318	11138	NM_001102426	TBC1D8
A_23_P206371	12,8668	13,2331	-1,289042652	ENST00000568503	8996	NM_003946	NOL3
A_33_P3663142	3,25507	3,62138	-1,289051586	ENST00000449086	400946	NR_033875	LINC00954
A_23_P28857	5,18829	5,55462	-1,289069457	ENST00000381580	55423	NM_018556	SIRPG
A_22_P00013331	1,38094	1,74736	-1,289149876	N/A	N/A	N/A	Inc-RP11-144F15.1.1-1
A_32_P5276	5,91361	6,28006	-1,289176683	ENST00000465817	26084	NM_001251962	ARHGFB2
A_23_P59022	9,7527	10,1192	-1,289221363	ENST00000372917	55809	NM_033502	TRERF1
A_22_P00008619	2,69147	3,058	-1,289248172	ENST00000439472	246119	NR_001542	TTY10
A_23_P35782	7,34089	7,70743	-1,289257108	ENST00000338447	79829	NM_024771	NAA40
A_32_P202703	8,2365	8,60305	-1,289266045	ENST00000624847	389831	NM_001242480	LOC389831
A_21_P0012677	1,5544	1,92096	-1,289274981	N/A	N/A	N/A	XLOC_I2_011244
A_24_P100742	7,73635	8,10297	-1,289328602	ENST00000541051	118	NM_014189	ADD1
A_24_P291973	10,6572	11,0239	-1,2894001	ENST00000475109	989	NM_001011553	set-07
A_24_P42681	11,5659	11,9326	-1,2894001	ENST00000488085	5708	NM_002808	PSMD2
A_23_P46907	9,0192	9,38595	-1,289444788	ENST00000361114	10367	NM_006077	MICU1
A_21_P0003146	1,40865	1,77544	-1,289480539	N/A	N/A	N/A	Inc-CBLB-5
A_21_P0007092	4,91191	5,27884	-1,289605677	ENST00000607898	101927824	XR_242705	LOC101927824
A_23_P166775	7,76821	8,13522	-1,28967719	ENST00000461995	84818	NM_153461	IL17RC
A_23_P157333	8,55292	8,92002	-1,289757647	ENST00000488068	2041	NM_005232	EPHA1
A_22_P00024392	2,09451	2,46161	-1,289757647	ENST00000450971	N/A	N/A	N/A
A_24_P235429	10,7683	11,1354	-1,289757647	ENST00000374736	19	NM_005502	ABCA1
A_21_P0011674	3,08897	3,45609	-1,289775527	N/A	N/A	N/A	XLOC_I2_006595
A_23_P305723	10,1768	10,544	-1,289847049	ENST00000355356	57708	NM_020948	MIER1
A_22_P00020865	1,62167	1,98897	-1,289936458	N/A	N/A	N/A	Inc-GSG1-1

A_24_P636974	4,36703	4,73433	-1,289936458	N/A	N/A	N/A	Inc-SEPT7L-1
A_24_P678418	8,15788	8,52526	-1,290007989	N/A	400242	NR_015415	DICER1-AS1
A_33_P3434927	1,42522	1,79261	-1,29001693	N/A	266671	AF521131	MAGI2-IT1
A_23_P432545	10,0557	10,4231	-1,290025872	ENST00000526531	283229	NM_173584	CRACR2B
A_33_P3258417	5,56606	5,93346	-1,290025872	N/A	N/A	N/A	N/A
A_33_P3386019	1,45537	1,82277	-1,290025872	ENST00000398760	N/A	N/A	N/A
A_22_P00003178	1,36431	1,73177	-1,290079524	ENST00000447524	N/A	N/A	N/A
A_24_P73370	10,2077	10,5752	-1,290115293	ENST00000321867	8408	NM_003565	ULK1
A_23_P132910	10,9633	11,3308	-1,290115293	ENST00000510871	54502	NM_019027	RBM47
A_33_P3391727	10,8639	11,2314	-1,290115293	ENST00000574992	51547	NM_016538	SIRT7
A_33_P3335735	6,97004	7,33758	-1,290151063	N/A	100128977	NR_024559	MAPT-AS1
A_21_P0010300	3,64649	4,01417	-1,290276266	N/A	N/A	N/A	Inc-TSPEAR-1
A_22_P00012513	1,86537	2,23319	-1,290401482	N/A	101927870	NR_110141	LOC101927870
A_22_P00013167	1,55135	1,91922	-1,290446204	N/A	N/A	N/A	Inc-RNF125-3
A_23_P349025	2,25084	2,61883	-1,290553545	ENST00000216471	161394	NM_001010860	SAMD15
A_21_P0005462	1,3788	1,7468	-1,29056249	N/A	N/A	N/A	Inc-AC145676.2.1-2
A_32_P149546	3,06019	3,42825	-1,290616165	ENST00000492631	9696	NM_014675	CROCC
A_33_P3759611	4,07089	4,43906	-1,290714573	ENST00000599188	5143	NM_000923	PDE4C
A_19_P00320579	6,11621	6,48438	-1,290714573	N/A	378805	NR_109855	LINC-PINT
A_23_P208325	6,08608	6,45435	-1,290804041	ENST00000291182	9310	NM_004234	ZNF235
A_22_P00005662	3,60858	3,97687	-1,290821936	N/A	N/A	N/A	Inc-EIF3A-1
A_33_P3268664	1,41144	1,77978	-1,290866673	ENST00000390278	N/A	N/A	N/A
A_22_P00001122	5,89739	6,26575	-1,290884569	N/A	N/A	N/A	Inc-ALX1-2
A_24_P342511	2,61375	2,98217	-1,290938256	ENST00000513116	3925	NM_001145454	STMN1
A_22_P00003401	1,55457	1,92304	-1,290982997	ENST00000479830	N/A	XR_241811	N/A
A_21_P0014064	1,52843	1,89692	-1,291000894	N/A	N/A	N/A	N/A
A_22_P00008224	1,39599	1,76448	-1,291000894	ENST00000602452	101928601	NM_001282136	MEI4
A_23_P217339	8,10813	8,47662	-1,291000894	ENST00000262848	5613	NM_005044	PRKX
A_23_P153562	6,73989	7,10842	-1,291036689	ENST00000355085	728	NM_001736	C5AR1
A_22_P00025164	3,21243	3,58101	-1,291081434	ENST00000541293	N/A	N/A	N/A
A_23_P91334	1,61263	1,98125	-1,29111723	ENST00000254963	116835	NM_052970	HSPA12B
A_33_P3251727	1,64292	2,01155	-1,29112618	ENST00000366574	6262	NM_001035	RYR2
A_23_P167493	1,63464	2,00328	-1,291135129	ENST00000296777	9607	NM_004291	CARTPT

A_22_P00008322	2,30255	2,67123	-1,291170928	N/A	N/A	N/A	Inc-ITGB8-4
A_33_P3370707	1,37396	1,74276	-1,291278329	ENST00000602001	1406	NM_000554	CRX
A_23_P125204	3,49252	3,86133	-1,291287279	ENST00000431524	219869	NM_001004464	OR10G8
A_22_P00014413	4,91579	5,28462	-1,29130518	ENST00000445646	N/A	N/A	N/A
A_22_P00018612	2,81985	3,18871	-1,291332033	N/A	N/A	N/A	Inc-TRPV6-2
A_22_P00019536	2,84156	3,2105	-1,291403641	N/A	N/A	AK129870	Inc-MMD-4
A_24_P37540	5,9562	6,32515	-1,291412593	ENST00000383827	100526693	NM_001198793	ARPC4-TTLL3
A_22_P00017880	1,50905	1,8781	-1,29150211	ENST00000454965	N/A	N/A	N/A
A_23_P384748	7,63538	8,00445	-1,291520014	ENST00000282406	130271	NM_172069	PLEKHH2
A_21_P0002726	1,37877	1,74788	-1,291555823	ENST00000440266	N/A	N/A	N/A
A_22_P00007108	1,43902	1,80817	-1,291591633	N/A	N/A	N/A	Inc-GLT1D1-3
A_32_P439662	1,636	2,00517	-1,291609538	ENST00000589793	8632	NM_173628	DNAH17
A_33_P3223056	1,6164	1,98559	-1,291627444	ENST00000270328	81794	NM_030957	ADAMTS10
A_24_P229884	13,5119	13,8811	-1,291636397	ENST00000591870	440335	NM_001253790	SMIM22
A_23_P155556	12,7801	13,1493	-1,291636397	ENST00000510545	56650	NM_001040199	CLDND1
A_33_P3388183	2,94493	3,31416	-1,291663256	N/A	N/A	AK126237	N/A
A_24_P26554	7,87861	8,2479	-1,291716976	ENST00000463032	57128	NM_020408	LYRM4
A_24_P922919	1,53059	1,89995	-1,291779652	N/A	52	NM_001040649	ACP1
A_33_P3273629	2,8151	3,18448	-1,29179756	ENST00000433419	9720	NM_014695	CCDC144A
A_33_P3374997	2,37856	2,74798	-1,291833376	N/A	144486	NR_027035	CEP83-AS1
A_22_P00015060	2,02585	2,39528	-1,291842331	N/A	N/A	N/A	Inc-SNRPD1-2
A_23_P388812	8,86799	9,23748	-1,291896058	ENST00000435431	150468	AK097948	CKAP2L
A_21_P0006200	1,36417	1,73367	-1,291905013	N/A	N/A	N/A	Inc-RAD23B-3
A_33_P3218760	11,8994	12,269	-1,291994564	ENST00000397053	26019	NM_080599	UPF2
A_23_P304386	12,064	12,4336	-1,291994564	ENST00000274787	192286	NM_138820	HIGD2A
A_22_P00012112	6,33438	6,70399	-1,292003519	ENST00000526036	100287896	XR_132892	LOC100287896
A_33_P3786807	3,99098	4,36073	-1,292128902	N/A	100170220	CA436475	SNAR-E
A_33_P3229572	6,43836	6,80812	-1,292137859	ENST00000418645	100271927	NM_001277335	RASA4B
A_24_P942694	8,00413	8,37413	-1,292352831	ENST00000369287	55088	NM_018017	CCDC186
A_33_P3286684	1,89722	2,26723	-1,292361789	ENST00000484847	10320	AF116605	IKZF1
A_23_P59976	4,41657	4,78666	-1,292433454	ENST00000220940	2765	NM_002066	GML
A_22_P00000131	1,69188	2,06202	-1,292478247	ENST00000543922	N/A	N/A	N/A
A_23_P163235	11,5363	11,9065	-1,292532001	ENST00000413453	548596	NM_001015001	CKMT1A

A_24_P320545	7,50896	7,87924	-1,292603676	ENST00000345201	5754	NM_002821	PTK7
A_33_P3340060	16,1423	16,5126	-1,292621596	ENST00000446057	23521	NM_012423	RPL13A
A_24_P940477	1,37541	1,74576	-1,292666395	N/A	8939	XM_006717313	FUBP3
A_23_P213602	8,54658	8,91694	-1,292675356	ENST00000510842	1456	NM_001044723	CSNK1G3
A_22_P00016181	5,42766	5,79805	-1,292702236	ENST00000561316	N/A	N/A	N/A
A_23_P502081	1,48965	1,86015	-1,292800804	ENST00000298296	139081	NM_138702	MAGEC3
A_24_P940006	1,77398	2,14449	-1,292809765	ENST00000226091	1949	NM_001406	EFNB3
A_22_P00005497	7,33269	7,70325	-1,292854571	ENST00000519017	161582	NM_001033560	DYX1C1
A_22_P00008751	5,20802	5,57861	-1,292881455	N/A	100506299	NR_110154	ID2-AS1
A_22_P00001270	11,0853	11,456	-1,292980036	N/A	N/A	BX110621	Inc-ANKRD53-1
A_21_P0004310	3,63965	4,01046	-1,293078625	N/A	N/A	N/A	Inc-ARHGAP26-4
A_23_P47616	1,38877	1,75959	-1,293087588	ENST00000343844	2346	NM_004476	FOLH1
A_23_P398637	7,30838	7,67921	-1,293096551	ENST00000273962	93587	NM_152292	TRMT10A
A_23_P14876	16,2797	16,6506	-1,293159294	ENST00000558527	6727	NM_003134	SRP14
A_21_P0012466	1,42395	1,79488	-1,293186185	N/A	N/A	N/A	XLOC_I2_010405
A_22_P00005468	3,23126	3,6022	-1,293195148	N/A	N/A	N/A	Inc-DYDC1-4
A_21_P0012207	3,74425	4,11523	-1,293231004	N/A	N/A	N/A	XLOC_I2_009219
A_33_P3269149	8,19118	8,56221	-1,293275825	ENST00000259400	55014	NM_017919	STX17
A_22_P00009886	3,61063	3,98167	-1,293284789	N/A	N/A	N/A	Inc-MFSD3-1
A_22_P00011122	6,31726	6,6883	-1,293284789	N/A	N/A	BX101396	Inc-NUMB-2
A_33_P3374221	2,70666	3,07773	-1,293311682	N/A	643936	AK127740	LOC643936
A_33_P3381292	8,931	9,30215	-1,293383401	N/A	N/A	N/A	N/A
A_22_P00025948	3,00789	3,37909	-1,293428227	ENST00000578129	N/A	N/A	N/A
A_22_P00018309	9,35337	9,72458	-1,293437192	ENST00000569291	N/A	AF086443	N/A
A_24_P655458	1,67488	2,04611	-1,293455123	ENST00000341495	285852	NM_198153	TREML4
A_23_P146908	10,4539	10,8252	-1,293517883	ENST00000575858	9482	NM_004853	STX8
A_33_P3653271	1,40548	1,77686	-1,293589613	N/A	100507362	NR_037179	LINC01015
A_24_P263910	6,62008	6,99148	-1,293607546	ENST00000529902	283551	NR_126500	LINC01588
A_23_P328766	5,42058	5,79199	-1,293616513	ENST00000590202	162655	NM_145287	ZNF519
A_21_P0014811	2,64595	3,01741	-1,293661347	N/A	N/A	N/A	N/A
A_33_P3360758	4,35851	4,73004	-1,293724117	N/A	N/A	N/A	N/A
A_24_P15391	4,17876	4,55034	-1,293768955	ENST00000428390	344167	NM_001135649	FOXI3
A_33_P3415430	12,7408	13,1124	-1,293786891	ENST00000545241	3304	NM_005346	HSPA1B



A_21_P0005928	1,43359	1,80523	-1,293822763	ENST00000518324	N/A	N/A	N/A
A_33_P3357431	2,61496	2,9866	-1,293822763	N/A	100128310	AK097866	LOC100128310
A_21_P0006967	1,42442	1,79615	-1,293903478	N/A	N/A	N/A	Inc-C10orf31-7
A_33_P3270623	2,51105	2,88279	-1,293912447	ENST00000329203	220382	NM_175885	FAM181B
A_22_P00005873	1,35466	1,7264	-1,293912447	N/A	N/A	BG207856	Inc-ESCO2-2
A_23_P74526	10,6268	10,9986	-1,29396626	ENST00000474804	10450	NM_203456	PPIE
A_32_P172882	1,44316	1,81497	-1,293975229	N/A	399806	NR_029380	LBX1-AS1
A_24_P247902	4,01281	4,38464	-1,293993168	ENST00000423517	27445	NM_014510	PCLO
A_22_P00018875	1,45307	1,82492	-1,294011106	N/A	N/A	N/A	Inc-CCNJL-1
A_33_P3258013	10,6953	11,0672	-1,294055954	ENST00000340074	89910	NM_001270449	UBE3B
A_22_P00022216	4,70471	5,07665	-1,294091834	N/A	N/A	BG540908	Inc-PAPSS2-2
A_23_P141680	6,57323	6,94517	-1,294091834	ENST00000613443	54828	NM_017679	BCAS3
A_24_P367079	1,64328	2,01525	-1,294118744	ENST00000489761	389376	NM_205854	SFTA2
A_24_P371194	11,1381	11,5101	-1,294145654	ENST00000467349	116540	NM_053050	MRPL53
A_23_P94911	8,58436	8,95637	-1,294154625	ENST00000324461	284349	NM_181845	ZNF283
A_21_P0009288	1,9898	2,36185	-1,294190507	N/A	N/A	N/A	Inc-P2RX5-1
A_23_P73012	10,7652	11,1373	-1,294235361	ENST00000463372	84909	NM_032823	C9orf3
A_23_P25348	5,65656	6,02869	-1,294262274	ENST00000413681	80724	NM_025247	ACAD10
A_21_P0001201	1,40846	1,78059	-1,294262274	ENST00000456771	N/A	N/A	N/A
A_21_P0000174	4,68194	5,0541	-1,294289188	N/A	441108	AK309191	C5orf56
A_24_P287974	8,28319	8,65535	-1,294289188	ENST00000360238	404093	NM_001292025	CUEDC1
A_22_P00023920	1,39529	1,76752	-1,294351989	N/A	N/A	N/A	Inc-PACRGL-3
A_33_P3298062	11,412	11,7843	-1,294414792	ENST00000443376	10057	NM_001023587	ABCC5
A_22_P00009760	1,61164	1,98402	-1,294486572	ENST00000507435	N/A	N/A	N/A
A_21_P0013791	12,2708	12,6432	-1,294504518	ENST00000424002	N/A	N/A	N/A
A_24_P91094	4,21269	4,5851	-1,29451349	ENST00000612735	10900	NM_006695	RUNDC3A
A_23_P135164	6,69379	7,06623	-1,294540409	ENST00000474787	91373	NM_207309	UAP1L1
A_23_P215227	11,963	12,3355	-1,294594249	ENST00000487480	10049	NM_005494	DNAJB6
A_32_P155247	15,4884	15,8609	-1,294594249	ENST00000427242	2512	NM_000146	FTL
A_21_P0011122	1,41351	1,78603	-1,294612196	N/A	N/A	N/A	XLOC_I2_003626
A_32_P189413	1,67065	2,04319	-1,294630143	ENST00000379445	613212	NM_001048252	CTXN3
A_21_P0004795	1,49428	1,86682	-1,294630143	ENST00000449072	N/A	N/A	N/A
A_23_P73540	10,2681	10,6407	-1,294683986	ENST00000606812	90060	NM_033626	CCDC120

A_23_P106682	14,5017	14,8743	-1,294683986	ENST00000359543	2013	NM_001424	EMP2
A_24_P115990	1,68808	2,06069	-1,294692961	ENST00000257863	269	NM_020547	AMHR2
A_22_P00013498	6,16896	6,54169	-1,294800655	N/A	N/A	N/A	Inc-RP11-362K2.2.1-1
A_21_P0013089	7,09601	7,46875	-1,294809629	N/A	N/A	N/A	XLOC_I2_013056
A_21_P0007054	2,09715	2,46991	-1,294827579	N/A	102724333	N/A	LOC102724333
A_32_P189790	2,8368	3,2096	-1,29486348	ENST00000378779	374387	NR_027134	DKFZp779M0652
A_22_P00004219	2,34235	2,71516	-1,294872456	N/A	101929732	XR_429659	LOC101929732
A_22_P00005058	4,61864	4,99151	-1,294926309	N/A	N/A	N/A	Inc-DENND1A-4
A_33_P3366998	2,10548	2,47837	-1,294944261	ENST00000368287	55862	N/A	ECHDC1
A_33_P3210975	2,02424	2,39718	-1,294989141	N/A	N/A	N/A	N/A
A_22_P00006103	5,07238	5,44534	-1,295007093	N/A	N/A	AK300095	Inc-FAM168A-2
A_21_P0008349	1,55119	1,92421	-1,295060952	ENST00000554187	N/A	N/A	N/A
A_23_P64204	9,66691	10,0401	-1,295213565	ENST00000535142	9183	NM_004724	ZW10
A_22_P00003964	5,83303	6,20632	-1,295303345	N/A	503569	NR_033932	RGMB-AS1
A_24_P917306	1,48969	1,86299	-1,295312323	ENST00000494108	79750	N/A	ZNF385D
A_23_P91512	2,25734	2,6307	-1,295366195	ENST00000399137	23562	NM_144492	CLDN14
A_24_P233917	12,6156	12,989	-1,295402111	ENST00000371933	9813	NM_014774	EFCAB14
A_22_P00020743	1,39095	1,76443	-1,295473945	N/A	101101775	NR_073458	TMEM220-AS1
A_33_P3297141	10,0974	10,4709	-1,295491904	ENST00000302313	57599	NM_020839	WDR48
A_23_P118174	10,2424	10,6159	-1,295491904	ENST00000562272	5347	AK310544	PLK1
A_22_P00019785	1,55464	1,92825	-1,295590684	N/A	102724776	NR_125937	LOC102724776
A_22_P00003334	2,59215	2,96578	-1,295608645	N/A	N/A	N/A	Inc-CAST-4
A_24_P237778	1,48812	1,86178	-1,295635587	ENST00000263979	57134	NM_020379	MAN1C1
A_23_P29723	5,4049	5,77864	-1,295707434	ENST00000263753	151648	NM_001012410	SGOL1
A_21_P0007327	4,55392	4,9277	-1,295743359	ENST00000525512	N/A	N/A	N/A
A_21_P0008255	2,4123	2,78608	-1,295743359	N/A	N/A	N/A	Inc-SUCLA2-1
A_22_P00017297	1,5054	1,87918	-1,295743359	ENST00000575820	N/A	XR_428653	N/A
A_32_P91042	7,08977	7,46356	-1,295752341	N/A	100129034	NR_027406	LOC100129034
A_23_P50815	6,72668	7,10049	-1,295770304	ENST00000611471	57348	NM_020659	TTYH1
A_33_P3306146	11,0349	11,4089	-1,295940965	ENST00000446342	5328	NM_001145031	PLAU
A_22_P00000453	1,99013	2,36413	-1,295940965	N/A	101929341	XR_242465	LOC101929341
A_33_P3345816	3,20942	3,58347	-1,29598588	ENST00000619052	2852	NM_001039966	GPER1
A_23_P119907	8,7565	9,13056	-1,295994863	ENST00000483188	55139	NM_018089	ANKZF1

A_22_P00020767	1,95429	2,32838	-1,296021813	N/A	N/A	N/A	Inc-STK39-2
A_24_P108451	15,3342	15,7083	-1,296030796	ENST00000356487	2821	NM_000175	GPI
A_23_P111054	11,1042	11,4783	-1,296030796	ENST00000615966	3018	NM_021062	HIST1H2BB
A_33_P3264272	6,62514	6,99929	-1,296075714	N/A	25949	NM_015484	SYF2
A_23_P434301	15,1337	15,508	-1,296210477	ENST00000448874	5757	NM_002823	PTMA
A_23_P50942	11,5052	11,8795	-1,296210477	ENST00000264158	22930	NM_012233	RAB3GAP1
A_23_P92410	12,4204	12,7947	-1,296210477	ENST00000613118	836	NM_004346	CASP3
A_24_P754817	4,85933	5,23366	-1,296237431	ENST00000558550	79631	NM_024580	EFTUD1
A_33_P3388397	8,82496	9,19935	-1,296291341	ENST00000339480	127534	NM_153212	GJB4
A_32_P164246	14,5966	14,971	-1,296300326	N/A	94234	NM_033260	FOXQ1
A_21_P0013337	2,16735	2,54176	-1,296309312	N/A	N/A	N/A	XLOC_I2_013931
A_22_P00011158	9,04443	9,41886	-1,296327282	ENST00000453660	28	N/A	ABO
A_33_P3272663	4,91553	5,29002	-1,296381196	N/A	N/A	AK130940	N/A
A_33_P3344156	4,00375	4,37825	-1,296390182	ENST00000247992	391013	NM_001105572	PLA2G2C
A_33_P3219505	1,47915	1,85372	-1,296453085	N/A	N/A	N/A	N/A
A_32_P100830	3,18305	3,55763	-1,296462071	ENST00000389916	124602	NM_153209	KIF19
A_23_P420551	11,4023	11,7769	-1,296480044	ENST00000545913	11113	NM_007174	CIT
A_33_P3277110	10,9937	11,3684	-1,296569912	ENST00000381151	6526	NM_006933	SLC5A3
A_23_P419239	9,49627	9,87104	-1,296632824	ENST00000544191	55500	NM_018638	ETNK1
A_22_P00008300	3,84233	4,21714	-1,296668775	N/A	N/A	N/A	Inc-ITGA7-1
A_24_P348806	8,51001	8,88482	-1,296668775	ENST00000530489	144100	NM_175058	PLEKHA7
A_22_P00001558	6,97942	7,35429	-1,296722703	N/A	440288	NR_120377	UBL7-AS1
A_24_P230916	10,2869	10,6618	-1,296749668	ENST00000479067	57708	NM_001077702	MIER1
A_23_P6546	8,50875	8,88369	-1,296785622	ENST00000425018	85378	NM_020461	TUBGCP6
A_33_P3369829	2,01303	2,38806	-1,296866522	N/A	154822	N/A	LINC00689
A_22_P00003230	4,18712	4,56218	-1,29689349	N/A	N/A	N/A	Inc-CACYBP-1
A_21_P0009964	6,5549	6,92996	-1,29689349	N/A	N/A	N/A	Inc-NCOA3-10
A_33_P3401647	1,37149	1,74659	-1,296929448	ENST00000301242	94274	NM_033256	PPP1R14A
A_33_P3274245	4,25979	4,63493	-1,296965407	ENST00000518137	284131	NM_173627	ENDOV
A_23_P31224	9,21618	9,59139	-1,297028338	ENST00000432297	29992	NM_178273	PILRA
A_33_P3423585	1,42192	1,79716	-1,297055309	ENST00000260323	440279	NM_001080534	UNC13C
A_22_P00004272	1,47783	1,8531	-1,297082281	N/A	N/A	BC032031	Inc-CNBD1-4
A_21_P0011216	1,41476	1,7901	-1,297145217	ENST00000411525	100652865	NR_103841	LINC00539

A_22_P00018302	3,26193	3,63732	-1,297190173	N/A	N/A	N/A	Inc-ZNF827-4
A_23_P86100	7,77077	8,14622	-1,297244123	ENST00000469647	126823	NM_001007255	KLHDC9
A_33_P3232478	4,02143	4,39696	-1,29731606	ENST00000356253	781	NM_000722	CACNA2D1
A_22_P00021646	3,00246	3,37801	-1,297334044	ENST00000564156	100505853	XR_110155	LOC100505853
A_23_P102950	7,91857	8,29413	-1,297343037	ENST00000493019	89765	NM_080860	RSPH1
A_23_P49842	9,1557	9,53126	-1,297343037	ENST00000487844	9094	NM_005148	UNC119
A_23_P408239	5,95464	6,33025	-1,297388	ENST00000493544	23178	NM_001252124	PASK
A_24_P307175	9,30577	9,6814	-1,297405986	ENST00000305513	114826	NM_052928	SMYD4
A_22_P00007550	1,36707	1,74272	-1,297423972	N/A	N/A	N/A	Inc-HAPLN1-1
A_21_P0007456	3,73437	4,11003	-1,297432965	N/A	N/A	N/A	Inc-IFITM2-1
A_23_P209678	1,84676	2,22243	-1,297441958	ENST00000234313	5341	NM_002664	PLEK
A_23_P16722	2,18433	2,56003	-1,297468938	ENST00000409592	55619	NM_014689	DOCK10
A_22_P00001910	1,48326	1,85901	-1,297513905	ENST00000421261	N/A	N/A	N/A
A_33_P3362991	1,38803	1,76387	-1,297594851	N/A	N/A	N/A	N/A
A_22_P00001156	3,16231	3,53818	-1,297621834	ENST00000568384	N/A	AK026713	N/A
A_33_P3253069	4,09673	4,47261	-1,297630829	ENST00000368053	9439	AF104255	MED23
A_33_P3339197	2,2748	2,65073	-1,297675802	N/A	N/A	N/A	N/A
A_33_P3288814	2,29717	2,67313	-1,297702786	N/A	N/A	N/A	N/A
A_23_P167585	2,72954	3,10553	-1,297729772	ENST00000621295	2661	NM_005260	GDF9
A_23_P10385	9,10253	9,47855	-1,297756758	ENST00000475419	51514	NM_016448	DTL
A_21_P0006438	2,88632	3,26235	-1,297765753	N/A	N/A	N/A	Inc-SLC25A6-1
A_21_P0012170	4,23137	4,60742	-1,297783744	ENST00000624937	N/A	XR_244292	N/A
A_33_P3250383	6,12046	6,49652	-1,297792739	ENST00000393892	1267	NM_033133	CNP
A_21_P0008547	1,65615	2,03223	-1,297810731	N/A	N/A	N/A	Inc-RP11-204N11.1.1-3
A_22_P00010591	1,4401	1,81618	-1,297810731	ENST00000567448	N/A	N/A	N/A
A_22_P00003295	1,54471	1,92079	-1,297810731	N/A	100505678	NR_040093	STARD4-AS1
A_22_P00001438	2,41626	2,79235	-1,297819727	ENST00000450216	N/A	N/A	N/A
A_21_P0011766	5,53907	5,91526	-1,297909688	N/A	N/A	N/A	XLOC_I2_007147
A_23_P129389	13,039	13,4152	-1,297918684	ENST00000313732	55625	NM_017740	ZDHHC7
A_21_P0012390	3,42985	3,8062	-1,298053639	N/A	N/A	N/A	XLOC_I2_009882
A_22_P00003637	1,73606	2,11245	-1,298089629	N/A	N/A	N/A	Inc-CD59-1
A_23_P408353	13,6203	13,9967	-1,298098626	ENST00000468995	3105	NM_002116	HLA-A
A_22_P00014967	1,90457	2,28106	-1,298179609	N/A	N/A	AK096135	Inc-SMAD6-1

A_23_P77073	10,6587	11,0352	-1,298188607	ENST00000261854	84888	NM_032802	SPPL2A
A_22_P00022181	6,76807	7,14463	-1,298242598	N/A	N/A	N/A	Inc-SUMO1-1
A_23_P133923	12,2736	12,6503	-1,298368586	ENST00000375896	7918	NM_033177	GPANK1
A_23_P157679	10,5276	10,9043	-1,298368586	ENST00000521974	84294	NM_032334	UTP23
A_24_P317827	7,19105	7,56775	-1,298368586	ENST00000377988	51754	NM_001042590	TMEM8B
A_21_P0007031	3,19221	3,56896	-1,298413585	N/A	N/A	N/A	Inc-C10orf90-2
A_24_P76854	6,39622	6,77302	-1,298458586	ENST00000391419	81872	NM_001123387	KRTAP2-1
A_23_P200999	8,94072	9,31757	-1,298503588	ENST00000361392	6487	NM_174963	ST3GAL3
A_22_P00013689	1,38751	1,76437	-1,298512588	N/A	N/A	DB049326	Inc-RP11-728F11.4.1-2
A_22_P00015607	2,14465	2,52151	-1,298512588	ENST00000456100	N/A	N/A	N/A
A_22_P00001557	4,80823	5,1851	-1,298521589	ENST00000562869	N/A	XR_424640	N/A
A_22_P00011325	11,2043	11,5812	-1,298548591	N/A	N/A	AK125769	Inc-OST4-2
A_22_P00012683	1,77176	2,14868	-1,298566593	N/A	N/A	XM_006726511	Inc-QSOX2-1
A_32_P25295	5,85089	6,22786	-1,298611599	ENST00000580874	4761	NM_006160	NEUROD2
A_23_P428640	7,42766	7,80463	-1,298611599	ENST00000558058	90673	NM_001276318	PPP1R3E
A_23_P206792	4,45458	4,83156	-1,2986206	ENST00000395091	92595	NM_033410	ZNF764
A_33_P3360525	7,76321	8,1402	-1,298629601	N/A	N/A	BU535024	N/A
A_24_P128563	10,1244	10,5014	-1,298638603	ENST00000471599	23633	NM_012316	KPNA6
A_19_P00320371	4,7909	5,16799	-1,298719619	ENST00000590628	101927151	NR_110687	LOC101927151
A_22_P00004393	11,8807	12,2578	-1,298728621	ENST00000614891	114569	NM_052886	MAL2
A_22_P00006672	3,13601	3,51311	-1,298728621	N/A	N/A	N/A	Inc-FOXO6-3
A_21_P0000845	7,64126	8,01844	-1,298800639	N/A	650794	N/A	MIPEPP3
A_22_P00014663	1,43833	1,81553	-1,298818645	N/A	N/A	N/A	Inc-SLC22A18-1
A_22_P00018944	2,31472	2,69199	-1,298881665	ENST00000543321	N/A	AK125676	N/A
A_23_P166491	9,38525	9,76252	-1,298881665	ENST00000470518	27352	NM_015705	SGSM3
A_21_P0005047	1,54409	1,92137	-1,298890669	N/A	N/A	N/A	Inc-HACE1-3
A_21_P0000322	10,9543	11,3316	-1,298908675	N/A	677815	NR_002968	SNORA34
A_21_P0003908	1,63669	2,01403	-1,298944689	N/A	N/A	N/A	Inc-SCRG1-1
A_23_P142146	17,512	17,8894	-1,298998712	ENST00000549370	6141	NM_000979	RPL18
A_21_P0010577	4,99308	5,37049	-1,299007716	N/A	N/A	N/A	XLOC_I2_000641
A_33_P3356462	4,66629	5,04372	-1,299025724	ENST00000355522	145741	NM_207322	C2CD4A
A_23_P143414	15,0298	15,4073	-1,299088755	ENST00000336695	140823	NM_080748	ROMO1
A_33_P3371769	13,261	13,6385	-1,299088755	N/A	N/A	N/A	N/A

A_22_P00014000	2,70904	3,08669	-1,299223831	ENST00000521955	N/A	N/A	N/A
A_23_P45234	4,75007	5,12775	-1,299250847	ENST00000377065	7592	NM_153380	ZNF41
A_24_P921897	8,34492	8,72264	-1,299286871	ENST00000371208	51361	NM_015888	HOOK1
A_23_P502170	6,65732	7,03504	-1,299286871	ENST00000479242	51626	NM_015522	DYNC2LI1
A_21_P0011649	1,38577	1,7635	-1,299295877	ENST00000417918	390858	N/A	OACYLP
A_23_P11005	15,6076	15,9854	-1,299358921	ENST00000388820	11173	NM_014272	ADAMTS7
A_23_P135061	12,0534	12,4312	-1,299358921	ENST00000343933	7464	NM_003389	CORO2A
A_33_P3371663	8,70015	9,07806	-1,299457996	ENST00000563518	4058	NM_002344	LTK
A_21_P0001441	1,4379	1,81586	-1,299503032	N/A	N/A	N/A	Inc-C1orf31-7
A_33_P3329644	9,56519	9,9432	-1,29954807	ENST00000503331	644974	NM_001136152	ALG1L2
A_21_P0007348	1,77635	2,15443	-1,299611126	N/A	N/A	N/A	Inc-TP53I11-2
A_22_P00015537	2,51704	2,89514	-1,299629143	N/A	153469	NR_038902	JAKMIP2-AS1
A_22_P00000240	2,82147	3,1996	-1,299656168	N/A	N/A	N/A	Inc-AC006050.2.1-3
A_23_P153745	12,0454	12,4236	-1,299719229	ENST00000593731	10437	NM_006332	IFI30
A_23_P212310	10,8916	11,2698	-1,299719229	ENST00000442215	54859	NM_001031703	ELP6
A_33_P6505283	10,2471	10,6253	-1,299719229	N/A	100507316	NR_120683	LOC100507316
A_24_P289726	11,512	11,8902	-1,299719229	ENST00000264639	5709	NM_002809	PSMD3
A_22_P00024338	1,61108	1,98938	-1,299809322	ENST00000523874	N/A	CN294846	N/A
A_33_P3318504	2,87595	3,25429	-1,299845361	N/A	N/A	AB072904	N/A
A_23_P46982	11,0004	11,3788	-1,299899421	ENST00000355839	64210	NM_022362	MMS19
A_24_P333993	1,45849	1,83695	-1,299953484	ENST00000360358	343171	NM_001001957	OR2W3
A_23_P339480	12,206	12,5845	-1,299989526	ENST00000494601	8520	NM_003642	HAT1
A_22_P00023791	3,04138	3,41989	-1,299998537	N/A	N/A	BG220587	Inc-PCDH12-1
A_23_P96325	8,2992	8,67777	-1,300052604	ENST00000334463	54821	NM_017669	ERCC6L
A_33_P3314073	3,44042	3,8194	-1,300422119	N/A	N/A	N/A	N/A
A_33_P3383551	2,20203	2,58102	-1,300431133	N/A	266629	XM_005261527	SEC14L3
A_24_P275873	12,1873	12,5664	-1,300530289	ENST00000576677	6904	NM_005993	TBCD
A_23_P130787	7,15504	7,53414	-1,300530289	ENST00000012049	54814	NM_017659	QPCTL
A_24_P317708	7,45391	7,83309	-1,300602408	ENST00000396721	195814	NM_138969	SDR16C5
A_33_P3212782	13,7106	14,0898	-1,300620438	ENST00000482532	805	NM_001743	CALM2
A_33_P3382887	6,36334	6,74264	-1,300710594	ENST00000590085	N/A	N/A	N/A
A_24_P941912	9,59614	9,97545	-1,300719609	ENST00000296161	151636	NM_138287	DTX3L
A_22_P00006111	8,03741	8,41677	-1,30076469	N/A	441094	NR_109820	NR2F1-AS1

A_24_P190168	9,62008	9,99944	-1,30076469	ENST00000226230	27346	NM_014573	TMEM97
A_24_P210399	10,5943	10,9737	-1,300800755	ENST00000376387	9375	NM_004800	TM9SF2
A_22_P00013214	5,38519	5,76461	-1,300818788	N/A	80862	NR_026751	ZNRD1-AS1
A_33_P3253089	1,43022	1,80971	-1,300881906	ENST00000496687	407738	NM_213609	FAM19A1
A_23_P118002	13,7629	14,1424	-1,300890923	ENST00000563898	7385	NM_003366	UQCRC2
A_24_P299210	2,58905	2,96858	-1,300917974	ENST00000262676	22996	AB007921	TTC39A
A_21_P0006364	1,42749	1,80706	-1,300954044	N/A	N/A	N/A	Inc-RAD23B-5
A_33_P3327961	7,61836	7,99794	-1,300963062	ENST00000376716	284370	NM_001199324	ZNF615
A_21_P0004227	1,46861	1,84823	-1,300999132	N/A	N/A	N/A	Inc-MARCH6-1
A_33_P3378081	1,64472	2,02437	-1,301026186	ENST00000441037	123624	NM_152336	AGBL1
A_23_P14105	8,40713	8,78691	-1,301143426	ENST00000430805	1102	NM_001268	RCBTB2
A_33_P3361811	8,39605	8,77584	-1,301152445	ENST00000497727	79612	NM_024561	NAA16
A_21_P0008201	1,59886	1,97866	-1,301161464	N/A	101927248	NR_120417	LOC101927248
A_33_P3214229	1,50353	1,88339	-1,301215579	ENST00000558922	283673	NR_026949	EWSAT1
A_33_P3222233	1,40778	1,78766	-1,301233617	ENST00000410012	387707	NM_001159747	CC2D2B
A_23_P162874	14,9854	15,3653	-1,301251656	ENST00000554401	3320	NM_005348	HSP90AA1
A_33_P3246935	1,40538	1,78532	-1,301287735	ENST00000373380	114784	NM_052896	CSMD2
A_24_P89835	2,19639	2,57633	-1,301287735	ENST00000475376	225689	NM_139021	MAPK15
A_33_P3281563	1,44915	1,8291	-1,301296755	N/A	N/A	N/A	N/A
A_33_P3336592	4,9732	5,35317	-1,301314795	N/A	51621	AK127052	KLF13
A_24_P374516	15,7661	16,1461	-1,301341855	ENST00000323496	7114	NM_021109	TMSB4X
A_33_P3398411	1,50761	1,88767	-1,301395978	ENST00000283172	283349	NM_178169	RASSF3
A_33_P3295091	5,23425	5,61437	-1,301450103	N/A	400804	NR_024236	C1orf140
A_23_P209195	7,85594	8,23612	-1,301504229	ENST00000392276	83636	NM_031448	C19orf12
A_24_P15821	15,7877	16,168	-1,30161249	ENST00000530952	N/A	N/A	N/A
A_22_P00003818	4,86883	5,24919	-1,301666624	N/A	100874058	NR_049718	COX10-AS1
A_32_P162250	8,65729	9,03768	-1,301693691	ENST00000368149	93663	NM_033515	ARHGAP18
A_23_P106299	15,4166	15,797	-1,301702714	ENST00000486144	10169	NM_001018108	SERF2
A_23_P11968	1,40996	1,7904	-1,301738805	ENST00000357001	2980	NM_033553	GUCA2A
A_24_P932594	2,14747	2,52791	-1,301738805	ENST00000570983	9706	NM_014683	ULK2
A_33_P3649236	3,50682	3,8873	-1,301774898	N/A	N/A	AK091264	N/A
A_23_P100392	10,8958	11,2763	-1,301792944	ENST00000409906	6923	NM_007108	TCEB2
A_21_P0011787	1,99249	2,37305	-1,301847085	N/A	N/A	N/A	XLOC_I2_007167

A_33_P3319780	1,53155	1,91221	-1,301937326	N/A	80758	AK125417	PRR7
A_22_P00018036	7,79081	8,17147	-1,301937326	N/A	N/A	N/A	Inc-ZNF236-1
A_33_P3255949	15,2443	15,625	-1,301973424	ENST00000395678	1890	NM_001113756	TYMP
A_23_P1043	11,2771	11,6579	-1,302063673	ENST00000465162	55765	NM_018265	C1orf106
A_33_P3259393	10,2854	10,6662	-1,302063673	ENST00000558770	145864	NM_178232	HAPLN3
A_21_P0006532	5,39309	5,77398	-1,302144902	ENST00000602507	N/A	N/A	N/A
A_33_P3360728	14,0386	14,4195	-1,302153928	ENST00000263368	645	NM_000713	BLVRB
A_19_P00805954	3,79589	4,17681	-1,30217198	N/A	100129461	NR_126016	LOC100129461
A_21_P0005767	3,20901	3,58998	-1,30221711	N/A	N/A	N/A	Inc-KHDRBS3-4
A_33_P3274127	1,58326	1,96425	-1,302235163	ENST00000377470	375686	NM_198572	SPATC1
A_32_P356316	2,34933	2,73038	-1,302289323	ENST00000229829	3111	NM_002119	HLA-DOA
A_22_P00014047	5,17876	5,55983	-1,302307376	ENST00000534768	6290	N/A	SAA3P
A_22_P00014820	6,96172	7,34282	-1,302334457	N/A	N/A	BC033876	Inc-SLC39A8-1
A_32_P524014	10,3321	10,7132	-1,302334457	ENST00000367545	7402	NM_007124	UTRN
A_23_P163492	6,83972	7,22085	-1,302361539	ENST00000324385	8938	NM_003933	BAIAP3
A_21_P0012530	4,77468	5,15586	-1,302406676	ENST00000449158	101927347	N/A	GRM7-AS3
A_33_P3408752	3,71674	4,09797	-1,302451815	ENST00000615371	100132074	NM_001291281	FOXO6
A_23_P54205	4,63717	5,0185	-1,302542097	ENST00000312858	55668	NM_017926	GPATCH2L
A_33_P3377229	4,46581	4,84718	-1,302578212	ENST00000381153	29125	NM_001142946	C11orf21
A_22_P00012433	1,48868	1,87007	-1,302596269	ENST00000419863	N/A	N/A	N/A
A_21_P0003067	2,78697	3,16841	-1,302641415	N/A	N/A	N/A	Inc-ATP11B-1
A_33_P3335940	9,39068	9,77223	-1,30274074	ENST00000566691	90861	NM_144570	HN1L
A_24_P127075	5,84821	6,22978	-1,3027588	ENST00000529023	65084	NM_022918	TMEM135
A_32_P22078	15,0986	15,4802	-1,30278589	ENST00000498085	6203	NM_001013	RPS9
A_21_P0010549	1,40108	1,78271	-1,302812981	N/A	N/A	N/A	XLOC_I2_000384
A_32_P177955	5,72327	6,10494	-1,302849103	N/A	441461	NR_038853	STX17-AS1
A_33_P3242014	7,41669	7,79838	-1,302867165	ENST00000540574	1911	NM_004426	PHC1
A_23_P208288	7,35811	7,7398	-1,302867165	ENST00000391705	57343	NM_020657	ZNF304
A_33_P3242833	10,0431	10,4248	-1,302876196	ENST00000370505	5586	NM_006256	PKN2
A_33_P3312509	4,6759	5,0576	-1,302876196	ENST00000393060	9719	NM_014694	ADAMTSL2
A_33_P3340847	9,32034	9,70205	-1,302885227	ENST00000254691	84674	NM_032587	CARD6
A_22_P00020612	7,10022	7,48193	-1,302885227	N/A	N/A	AK093356	Inc-CISD2-1
A_21_P0013737	1,57204	1,95377	-1,302903289	N/A	N/A	N/A	XLOC_I2_015315



A_21_P0013901	1,40775	1,78956	-1,302975539	ENST00000311828	N/A	N/A	N/A
A_21_P0005967	1,46838	1,85021	-1,302993602	ENST00000506428	100505532	NR_103854	LINC01301
A_22_P00011202	2,64101	3,02285	-1,303002634	N/A	N/A	N/A	Inc-OLFML3-1
A_33_P3273854	5,87828	6,26017	-1,303047793	ENST00000454872	254827	NM_207015	NAALADL2
A_23_P10077	10,8559	11,2378	-1,303056825	ENST00000529255	57104	NM_020376	PNPLA2
A_21_P0008703	1,56858	1,95051	-1,303083922	N/A	N/A	N/A	Inc-POTEB-2
A_22_P00002448	2,60522	2,9872	-1,303129084	ENST00000565241	791114	NR_026646	PWRN1
A_23_P251453	2,74781	3,12984	-1,303174248	ENST00000354370	3174	NM_004133	HNF4G
A_22_P00011677	7,15706	7,53923	-1,303300715	ENST00000434541	N/A	N/A	N/A
A_33_P3237850	7,46916	7,85133	-1,303300715	N/A	642477	NR_122112	LINC01296
A_23_P160828	7,66024	8,04243	-1,303318782	ENST00000487177	54991	NM_017891	C1orf159
A_23_P141032	15,0672	15,4494	-1,303327816	ENST00000565078	1327	NM_001861	COX4I1
A_22_P00006353	5,98506	6,36728	-1,303345885	N/A	N/A	N/A	Inc-FARP1-1
A_22_P00000554	6,93446	7,31672	-1,303382021	N/A	N/A	AY358191	Inc-AC118344.1-1
A_23_P134295	12,2672	12,6495	-1,303418159	ENST00000397048	4521	NM_198949	NUDT1
A_22_P00001259	3,97412	4,35643	-1,303427194	N/A	N/A	CD512643	Inc-ANKRD42-1
A_33_P3365805	8,58298	8,96547	-1,303589828	ENST00000377453	1203	NM_006493	CLN5
A_32_P150876	4,93437	5,31699	-1,303707299	ENST00000582008	339290	NR_015389	LINC00667
A_21_P0005697	2,74437	3,12701	-1,303725372	N/A	N/A	N/A	Inc-XKR4-2
A_33_P3388331	4,27679	4,65947	-1,30376152	ENST00000457029	10160	NM_005766	FARP1
A_21_P0009265	6,94657	7,32925	-1,30376152	ENST00000582940	100507002	NR_110801	LOC100507002
A_23_P104563	10,0369	10,4196	-1,303779594	ENST00000539743	1374	NM_001031847	CPT1A
A_33_P3250730	8,4992	8,88194	-1,303815743	ENST00000347842	55515	NM_182847	ASIC4
A_32_P50123	4,80058	5,1834	-1,303888044	ENST00000605610	647135	NM_001271870	SRGAP2B
A_33_P3393986	2,01371	2,39659	-1,303942272	N/A	N/A	N/A	N/A
A_24_P349965	5,22072	5,60362	-1,303960348	ENST00000400401	6941	NM_007109	TCF19
A_33_P3340260	1,39275	1,77572	-1,304023619	ENST00000399391	340990	NM_001277269	OTOG
A_23_P55632	13,4491	13,8321	-1,304050735	ENST00000283752	6317	NM_006919	SERPINB3
A_33_P3406567	2,46893	2,85196	-1,304077853	ENST00000389939	931	NM_152866	MS4A1
A_33_P3237669	1,63916	2,02234	-1,304213447	ENST00000593362	147872	NM_144688	CCDC155
A_32_P125803	5,51099	5,89419	-1,304231528	N/A	100505538	NR_038991	RBM26-AS1
A_23_P207345	1,50989	1,89312	-1,304258649	ENST00000355638	4185	NM_002390	ADAM11
A_22_P00015936	2,31548	2,69873	-1,30427673	ENST00000437615	401288	NR_026781	LINC00242

A_33_P3404097	15,3367	15,72	-1,304321933	ENST00000613141	595135	NR_002836	PGM5P2
A_21_P0000092	8,76791	9,15122	-1,304330974	ENST00000550078	100381270	NM_001174108	ZBED6
A_23_P99604	9,25306	9,63639	-1,304349056	ENST00000549159	55632	NM_017769	G2E3
A_33_P3807593	9,05359	9,43696	-1,304385221	N/A	286437	NR_039980	LOC286437
A_22_P00011471	7,41637	7,79974	-1,304385221	ENST00000573315	N/A	N/A	N/A
A_21_P0014726	3,56539	3,94877	-1,304394262	N/A	101929188	XR_242002	LOC101929188
A_23_P45059	9,93241	10,3158	-1,304403304	ENST00000280333	1793	NM_001380	DOCK1
A_23_P387057	11,4164	11,7998	-1,304412345	ENST00000400534	203068	NM_178014	TUBB
A_22_P00014857	1,37517	1,75865	-1,304484679	ENST00000432993	N/A	BC043385	N/A
A_22_P00018990	1,47563	1,85915	-1,304520848	ENST00000562814	100616251	N/A	MIR1587
A_23_P105705	1,77908	2,16264	-1,304557017	ENST00000228837	2251	NM_020996	FGF6
A_24_P151	7,89678	8,28036	-1,304575102	ENST00000378092	8514	NM_003636	KCNAB2
A_33_P3284197	13,1975	13,5811	-1,304593188	ENST00000371992	55624	NM_001243766	POMGNT1
A_22_P00025669	1,7468	2,13047	-1,304656488	N/A	N/A	N/A	Inc-PEAK1.1-2
A_24_P263937	10,2576	10,6414	-1,304774055	ENST00000372521	374969	NM_199342	CCDC23
A_21_P0006274	10,761	11,1448	-1,304774055	N/A	N/A	N/A	Inc-APBA1-2
A_23_P133424	13,9858	14,3696	-1,304774055	ENST00000522552	6500	NM_006930	SKP1
A_33_P3375527	5,7206	6,10448	-1,304846409	ENST00000381213	166968	NM_152622	MIER3
A_24_P194730	5,22777	5,61165	-1,304846409	ENST00000329665	342945	NM_181846	ZSCAN22
A_23_P344988	7,92872	8,31266	-1,304900677	ENST00000356971	22858	NM_016513	ICK
A_33_P3754922	1,40764	1,79166	-1,304973038	N/A	26824	BP873537	RNU11
A_24_P306561	12,5464	12,9305	-1,305045403	ENST00000561585	22980	NM_014972	TCF25
A_24_P341476	15,5809	15,9651	-1,305135865	ENST00000567149	N/A	N/A	N/A
A_33_P3384148	2,31881	2,70304	-1,305163005	ENST00000324616	283461	NM_001031748	C12orf40
A_22_P00007769	6,79587	7,18014	-1,305199193	N/A	N/A	N/A	Inc-HNMT-2
A_33_P3220437	12,721	13,1053	-1,305226334	ENST00000536716	126282	NM_001167942	TNFAIP8L1
A_32_P133518	3,60092	3,98522	-1,305226334	N/A	N/A	AL565221	N/A
A_22_P00019909	2,3245	2,70881	-1,305235381	N/A	N/A	DB295404	Inc-MESP2-1
A_32_P179740	8,38829	8,77261	-1,305244428	ENST00000419735	222255	NM_020725	ATXN7L1
A_22_P00002226	1,48435	1,86879	-1,305353	N/A	102723377	NR_120672	LOC102723377
A_21_P0013592	2,96472	3,3493	-1,305479678	N/A	N/A	N/A	XL0C_I2_014850
A_21_P0004164	1,60576	1,99035	-1,305488727	ENST00000503367	102467212	N/A	LOC102467212
A_33_P3361417	8,82405	9,20872	-1,305561121	ENST00000370474	135154	NM_145267	C6orf57

A_23_P69617	1,58886	1,97354	-1,30557017	ENST00000453304	8633	NM_003728	UNC5C
A_23_P50504	15,0858	15,4705	-1,305588269	ENST00000622577	2512	NM_000146	FTL
A_33_P3291614	3,67399	4,05882	-1,30570592	N/A	100133039	AK058041	LOC100133039
A_22_P00018643	1,46616	1,85102	-1,305733072	N/A	N/A	BX089002	Inc-TEKT5-2
A_23_P29282	4,18202	4,56691	-1,305760224	ENST00000333039	23467	NM_014293	NPTXR
A_32_P100439	11,0357	11,4206	-1,305769275	ENST00000324489	222166	NM_152793	MTURN
A_21_P0011928	11,4084	11,7933	-1,305769275	ENST00000603980	5037	NM_002567	PEBP1
A_33_P3519683	10,6712	11,0561	-1,305769275	ENST00000473383	339487	NM_178547	ZBTB8OS
A_22_P00019422	4,15604	4,54102	-1,305841684	N/A	N/A	N/A	Inc-C10orf31-1
A_33_P3402304	4,76919	5,1542	-1,305868839	ENST00000588982	201501	NM_001039360	ZBTB7C
A_24_P59667	9,11216	9,49719	-1,305886942	ENST00000458235	3718	NM_000215	JAK3
A_23_P28318	9,7787	10,1638	-1,305950306	ENST00000474257	55471	NM_144736	NDUFAF7
A_22_P00013775	2,94089	3,32603	-1,305986515	ENST00000607710	N/A	N/A	N/A
A_23_P389500	1,43305	1,81828	-1,306067989	ENST00000305089	5968	NM_006507	REG1B
A_23_P128967	8,54747	8,93272	-1,306086095	ENST00000554501	4329	NM_005589	ALDH6A1
A_33_P3227225	2,85286	3,2382	-1,306167575	N/A	N/A	N/A	N/A
A_21_P0001010	8,60938	8,99482	-1,306258115	N/A	N/A	N/A	Inc-RP3-377D14.1.1-7
A_21_P0004977	2,57037	2,95581	-1,306258115	N/A	N/A	N/A	Inc-FAM120B-6
A_33_P3328626	5,28237	5,66782	-1,306267169	N/A	N/A	N/A	N/A
A_21_P0014887	3,03533	3,42079	-1,306276224	N/A	100652768	NR_045215	LOC100652768
A_23_P148916	12,2517	12,6372	-1,306312442	ENST00000435274	114883	NM_148909	OSBPL9
A_33_P3255677	5,15485	5,54036	-1,306321497	N/A	N/A	N/A	N/A
A_22_P00007536	3,63794	4,02351	-1,306375826	N/A	386627	NR_037897	SAP30L-AS1
A_22_P00010339	2,60004	2,98589	-1,306629394	N/A	N/A	N/A	Inc-MYBPH-2
A_21_P0009386	7,43958	7,82544	-1,306638451	N/A	N/A	N/A	Inc-ATAD5-3
A_32_P206293	10,3059	10,6918	-1,306674679	ENST00000622479	79692	NM_001242797	ZNF322
A_23_P20752	8,92975	9,31566	-1,306683736	ENST00000325303	23552	NM_001039803	CDK20
A_24_P126305	10,0694	10,4554	-1,306765254	ENST00000591026	26048	BC014054	ZNF500
A_23_P83110	11,4581	11,8441	-1,306765254	ENST00000484546	55755	NM_018249	CDK5RAP2
A_21_P0000742	6,88681	7,27284	-1,306792428	N/A	100506826	NR_038266	MYLK-AS1
A_22_P00020532	1,64186	2,02791	-1,306810544	ENST00000518266	N/A	N/A	N/A
A_21_P0005587	1,51095	1,89707	-1,306873952	N/A	N/A	N/A	Inc-AC021218.2.1-2
A_22_P00006590	1,54727	1,93339	-1,306873952	N/A	100129046	NR_034091	LOC100129046

A_32_P53558	8,36136	8,74755	-1,306937364	N/A	N/A	N/A	N/A
A_23_P14124	4,09776	4,484	-1,306982659	ENST00000241463	387496	NM_206827	RASL11A
A_33_P3249259	4,80783	5,1941	-1,307009838	ENST00000202625	343641	NM_198994	TGM6
A_24_P131066	1,75371	2,14009	-1,307109496	ENST00000256652	9398	NM_004258	CD101
A_22_P00009654	9,96532	10,3518	-1,307200101	N/A	N/A	BC011998	Inc-MAT2B-3
A_21_P0004043	1,56584	1,95233	-1,307209162	N/A	N/A	N/A	Inc-FER-1
A_33_P3384543	12,61	12,9965	-1,307218223	ENST00000396420	55624	NM_001243766	POMGNT1
A_23_P408108	6,82859	7,21515	-1,30727259	ENST00000351870	7978	NM_006980	MTERF1
A_33_P3349536	9,15647	9,54306	-1,307299774	ENST00000528276	1111	NM_001114121	CHEK1
A_21_P0003270	5,95026	6,33686	-1,307308835	N/A	N/A	N/A	Inc-DNAJB11-3
A_21_P0008460	1,52606	1,91266	-1,307308835	ENST00000557577	N/A	XR_245783	N/A
A_22_P00004728	5,18912	5,57573	-1,307317897	N/A	N/A	BX415456	Inc-CTIF-1
A_22_P00025694	1,57479	1,96141	-1,307326959	N/A	N/A	N/A	Inc-SLC7A7-1
A_21_P0008821	1,48178	1,86842	-1,307345082	N/A	102725022	N/A	LOC102725022
A_21_P0001271	1,39953	1,78617	-1,307345082	ENST00000477916	N/A	N/A	N/A
A_33_P3342720	3,2084	3,59506	-1,307363206	ENST00000357084	487	NM_173201	ATP2A1
A_21_P0013651	4,78224	5,16899	-1,307444766	N/A	N/A	N/A	XLOC_I2_015213
A_33_P3353431	2,66799	3,05488	-1,307571647	N/A	N/A	N/A	N/A
A_32_P171061	10,3414	10,7283	-1,307580711	ENST00000331289	430	NM_005170	ASCL2
A_23_P133345	11,6372	12,0241	-1,307580711	ENST00000518855	9685	NM_014666	CLINT1
A_21_P0005823	3,49006	3,87698	-1,307598838	N/A	N/A	N/A	Inc-ADAM2-4
A_33_P3226610	6,21736	6,60432	-1,307635093	ENST00000495873	11168	NM_021144	PSIP1
A_22_P00009800	1,41309	1,80009	-1,307671349	ENST00000411701	101060019	NR_110169	LOC101060019
A_21_P0007463	1,6443	2,03133	-1,307698541	N/A	N/A	N/A	Inc-CPSF7-2
A_33_P3297040	1,36447	1,75154	-1,307734799	ENST00000527246	59351	NM_021635	PBOV1
A_33_P3605352	3,47576	3,86285	-1,307752928	ENST00000474080	25937	BC066916	WWTR1
A_33_P3333890	4,16206	4,54916	-1,307761993	ENST00000382226	254251	NM_001166139	LCORL
A_33_P3324065	6,28609	6,67326	-1,307825447	ENST00000319129	85302	NM_001080542	FBF1
A_23_P40025	14,5152	14,9024	-1,307852643	ENST00000552459	9802	NM_014764	DAZAP2
A_33_P3240532	8,15247	8,53994	-1,30809743	ENST00000304685	23179	NM_015149	RGL1
A_33_P3217776	1,54392	1,93142	-1,308124631	ENST00000279575	5545	NM_002723	PRB4
A_23_P113471	8,60182	8,98933	-1,308133699	ENST00000491179	158584	NM_174912	FAAH2
A_33_P3348156	2,80507	3,19263	-1,308179036	ENST00000438067	8643	N/A	PTCH2

A_24_P941167	11,9846	12,3722	-1,308215307	ENST00000409652	80830	NM_030641	APOL6
A_23_P501822	14,4952	14,8828	-1,308215307	ENST00000393931	3728	NM_002230	JUP
A_22_P00017022	5,83973	6,22734	-1,308224375	ENST00000556738	N/A	BC040287	N/A
A_33_P3273068	1,5883	1,97591	-1,308224375	ENST00000329255	60529	AB058691	ALX4
A_21_P0009514	1,40239	1,79002	-1,308242511	N/A	N/A	N/A	Inc-METTL4-1
A_22_P00023172	3,46225	3,84995	-1,308305989	N/A	101928020	NR_110291	LOC101928020
A_21_P0014683	8,70975	9,09747	-1,308324126	ENST00000566070	101928188	XR_243371	LOC101928188
A_23_P160177	8,88904	9,2768	-1,308360401	ENST00000469023	480	NM_144699	ATP1A4
A_33_P3286146	1,42896	1,81678	-1,308414815	N/A	100132891	NR_033652	LOC100132891
A_21_P0006998	10,5614	10,9493	-1,308487371	N/A	N/A	N/A	Inc-ZWINT-1
A_22_P00005311	8,82982	9,21774	-1,30850551	N/A	N/A	N/A	Inc-DNAJC7-1
A_32_P9963	9,82162	10,2096	-1,308559931	ENST00000368455	3298	NM_004506	HSF2
A_23_P106835	10,6511	11,0391	-1,308578071	ENST00000562813	583	NM_031885	BBS2
A_21_P0008819	2,10001	2,48807	-1,308632495	N/A	N/A	N/A	Inc-GOLGA8J-2
A_21_P0009158	5,6442	6,03226	-1,308632495	ENST00000458492	N/A	N/A	N/A
A_33_P3345952	1,44416	1,83225	-1,308659707	N/A	100129213	NR_038419	SLC39A12-AS1
A_22_P00010561	1,56081	1,94898	-1,308732277	N/A	N/A	N/A	Inc-NDC80-1
A_33_P3410296	10,5701	10,9583	-1,308759491	ENST00000368627	10570	NM_006426	DPYSL4
A_32_P90047	13,1008	13,489	-1,308759491	ENST00000409860	401115	NM_001141936	C4orf48
A_21_P0000523	1,61414	2,00245	-1,308859283	ENST00000435075	285045	NR_027100	LINC00486
A_23_P419696	1,71248	2,10095	-1,309004448	ENST00000345008	116372	NM_144586	LYPD1
A_24_P294842	6,35942	6,74803	-1,309131481	ENST00000244769	6310	NM_000332	ATXN1
A_33_P3228014	1,40084	1,78951	-1,309185928	ENST00000358585	404552	NM_206998	SCGB1D4
A_33_P3320503	6,16437	6,55317	-1,309303902	ENST00000395774	10743	NM_030665	RAI1
A_23_P29994	10,5028	10,8916	-1,309303902	ENST00000505727	3516	NM_203284	RBPJ
A_21_P0008671	3,17242	3,56129	-1,309367432	N/A	N/A	N/A	Inc-FANCI-3
A_33_P3254761	1,39546	1,78437	-1,309403736	N/A	101928058	XM_006716242	LOC101928058
A_21_P0003444	1,4952	1,88416	-1,309449117	N/A	100750326	N/A	HTT-AS
A_21_P0010432	1,36332	1,75231	-1,309476346	N/A	101929416	N/A	LOC101929416
A_33_P3264569	1,55529	1,94434	-1,309530807	ENST00000426318	N/A	AB306184	N/A
A_33_P3415992	2,10297	2,49204	-1,309548961	N/A	N/A	N/A	N/A
A_33_P3368830	7,79045	8,17952	-1,309548961	ENST00000368039	4063	NM_001033667	LY9
A_33_P3340309	12,0459	12,435	-1,309576193	ENST00000380412	79724	NM_024671	ZNF768

A_21_P0001602	1,37036	1,75955	-1,309657891	N/A	N/A	N/A	Inc-IVNS1ABP-2
A_23_P213431	11,6001	11,9893	-1,309666969	ENST00000515125	84340	NM_032380	GFM2
A_33_P3269134	1,7076	2,09688	-1,309739594	N/A	55677	XR_427099	IWS1
A_21_P0003939	3,05709	3,44638	-1,309748673	N/A	101928885	XR_241812	LOC101928885
A_33_P3280040	4,83905	5,22839	-1,309794066	ENST00000566858	N/A	AK125549	N/A
A_32_P42054	9,29898	9,68836	-1,309830382	ENST00000542735	373863	NM_194249	DND1
A_21_P0003448	1,63038	2,01978	-1,30984854	ENST00000507932	N/A	N/A	N/A
A_23_P40453	7,97533	8,36477	-1,309884857	ENST00000290354	874	NM_001236	CBR3
A_22_P00021816	1,37033	1,7599	-1,310002895	ENST00000519506	101927487	NR_125418	LOC101927487
A_21_P0011172	1,49259	1,88219	-1,310030136	N/A	N/A	N/A	XLOC_I2_003888
A_32_P32856	2,86545	3,25507	-1,310048297	ENST00000610789	56097	NM_032407	PCDHGC5
A_22_P00022325	1,48717	1,87681	-1,310066458	N/A	N/A	DB342842	Inc-ARHGAP17-1
A_22_P00019813	2,80485	3,19456	-1,310130025	N/A	N/A	N/A	Inc-TASP1-5
A_33_P3312504	9,31276	9,7029	-1,310520571	ENST00000409656	23550	NM_012455	PSD4
A_22_P00014830	2,44557	2,83571	-1,310520571	N/A	N/A	BC031326	Inc-SLC44A5-2
A_23_P436048	5,6536	6,04379	-1,310565991	ENST00000491034	23566	NM_012152	LPAR3
A_23_P93881	13,7264	14,1166	-1,310575076	ENST00000011473	6856	NM_182715	SYPL1
A_24_P84752	3,90563	4,29584	-1,31058416	N/A	N/A	AK002210	N/A
A_33_P3235716	14,0919	14,4822	-1,310665921	ENST00000569380	90864	NM_080861	SPSB3
A_24_P867342	4,62416	5,01448	-1,310684091	ENST00000589256	125061	NR_027083	AFMID
A_23_P89422	5,08884	5,47927	-1,310784029	ENST00000518929	10349	NM_080282	ABCA10
A_33_P3247252	1,56144	1,95189	-1,310802201	N/A	N/A	N/A	N/A
A_22_P00024329	5,55014	5,94062	-1,310829458	N/A	85001	NR_026914	MGC16275
A_22_P00017829	1,55303	1,94354	-1,310856716	N/A	N/A	BX093121	Inc-ZC3H12D-4
A_23_P32847	2,65897	3,04953	-1,310902148	ENST00000611049	2895	NM_001510	GRID2
A_33_P3388501	8,68788	9,07846	-1,310920321	ENST00000491855	1118	NM_003465	CHIT1
A_21_P0006138	1,3915	1,78217	-1,311002103	N/A	N/A	N/A	Inc-ANKRD18B-1
A_33_P3268634	8,94857	9,33926	-1,311020278	ENST00000302533	84305	NM_032345	WIBG
A_21_P0001828	2,31867	2,70942	-1,311074803	ENST00000450715	N/A	AY928977	N/A
A_33_P3264116	6,07027	6,46103	-1,31108389	ENST00000340650	378884	NM_198586	NHLRC1
A_23_P160167	14,8191	15,2099	-1,311120242	ENST00000475163	10103	NM_005727	TSPAN1
A_21_P0005879	1,57029	1,96118	-1,311202036	N/A	N/A	N/A	Inc-KLF10-1
A_23_P206382	10,8794	11,2704	-1,311302014	ENST00000219139	80262	NM_025187	C16orf70

A_23_P312358	3,73496	4,12619	-1,311511084	ENST00000469555	222389	NM_152751	BEND7
A_33_P3490449	1,95779	2,34909	-1,31157472	N/A	N/A	N/A	XLOC_I2_013461
A_32_P205944	8,07232	8,46369	-1,31163836	ENST00000302558	84220	NM_005054	RGPD5
A_33_P3328736	11,1879	11,5793	-1,311665635	ENST00000372521	374969	NM_199342	CCDC23
A_21_P0006078	6,27376	6,66518	-1,311683818	ENST00000417843	103352539	NR_121647	LINC01410
A_32_P229746	13,7453	14,1368	-1,311756556	ENST00000487480	10049	NM_005494	DNAJB6
A_23_P218190	4,54823	4,93973	-1,311756556	ENST00000565274	825	NM_000070	CAPN3
A_22_P00014861	3,53134	3,92284	-1,311756556	N/A	101928829	XR_243384	LOC101928829
A_21_P0013460	3,19535	3,58692	-1,311820204	ENST00000447933	100506380	NR_103858	LINC01006
A_23_P56249	13,1637	13,5553	-1,311847483	ENST00000585910	1155	NM_001281	TBCB
A_23_P148641	1,74777	2,13938	-1,311856576	ENST00000413466	83867	NR_001551	TTY12
A_21_P0012158	3,91984	4,31154	-1,311938416	N/A	N/A	N/A	lnc-C20orf197-4
A_33_P3396239	11,8284	12,2201	-1,311938416	ENST00000404603	6634	NM_004175	SNRPD3
A_23_P97532	9,81339	10,2051	-1,31194751	ENST00000487194	9341	NM_004781	VAMP3
A_33_P3257050	2,97701	3,36872	-1,31194751	ENST00000314232	N/A	N/A	N/A
A_22_P00003531	1,38829	1,78005	-1,311992979	N/A	N/A	N/A	lnc-CCND2-1
A_33_P3226560	3,86157	4,25335	-1,312011168	N/A	N/A	N/A	N/A
A_19_P00321656	1,50983	1,90167	-1,312065734	ENST00000498304	23576	NM_001134445	DDAH1
A_32_P46603	1,39761	1,78945	-1,312065734	ENST00000490947	200403	NM_144992	VWA3B
A_33_P3417667	1,53453	1,92638	-1,312074828	N/A	147276	AK055900	C18orf15
A_33_P3401119	3,19098	3,58285	-1,312093018	ENST00000442076	54754	NM_017561	NUTM2F
A_22_P00009154	6,58993	6,98183	-1,312120302	ENST00000435354	129790	NR_026865	C7orf13
A_21_P0006190	2,43499	2,82692	-1,312147587	N/A	N/A	N/A	lnc-KRT8P11-1
A_33_P3209831	7,11071	7,50265	-1,312156682	ENST00000529555	25850	NM_003419	ZNF345
A_21_P0010532	2,9024	3,29448	-1,312284021	ENST00000425517	N/A	N/A	N/A
A_24_P19544	10,0519	10,444	-1,312302213	ENST00000355999	27347	NM_013233	STK39
A_33_P3300893	8,58946	8,98162	-1,312356792	ENST00000395344	8567	NM_130475	MADD
A_33_P6468957	1,38616	1,77833	-1,312365888	ENST00000514736	101928656	NR_108093	LINC01099
A_22_P00009333	1,36114	1,75336	-1,312411372	ENST00000448001	N/A	N/A	N/A
A_23_P352535	8,50314	8,89541	-1,312456858	ENST00000299824	26051	NM_015568	PPP1R16B
A_24_P13475	7,46251	7,85481	-1,31248415	ENST00000382108	221178	NM_001286792	SPATA13
A_33_P3376444	1,75246	2,14479	-1,312511442	N/A	254887	AK127260	ZDHHC23
A_33_P3343412	1,92359	2,31592	-1,312511442	N/A	284808	AK096092	FLJ38773

A_33_P3313145	1,42426	1,81662	-1,312538735	ENST00000493136	3699	NM_002217	ITIH3
A_23_P161237	10,7287	11,1211	-1,312575127	ENST00000369983	8729	NM_004193	GBF1
A_22_P00011910	6,12294	6,51536	-1,312593324	N/A	100507475	NR_046452	IDH1-AS1
A_23_P136909	7,57844	7,9709	-1,312629717	ENST00000358130	79366	NM_030763	HMG5
A_21_P0014294	3,4766	3,86907	-1,312638815	N/A	N/A	N/A	N/A
A_23_P201295	5,01505	5,40755	-1,312666111	ENST00000344008	54897	NM_017766	CASZ1
A_23_P154585	9,89593	10,2885	-1,312729804	ENST00000472219	90203	NM_001042633	SNX21
A_33_P3424297	12,3606	12,7532	-1,312757101	ENST00000492132	51714	NM_016275	SELT
A_33_P3287959	10,7317	11,1243	-1,312757101	ENST00000262940	10156	NM_006989	RASA4
A_22_P00004630	3,3644	3,75701	-1,312766201	N/A	N/A	N/A	Inc-CT47A1-1
A_23_P152462	1,8936	2,28622	-1,3127753	ENST00000215095	112755	AY995211	STX1B
A_22_P00012412	1,59397	1,9866	-1,3127844	ENST00000549742	N/A	N/A	N/A
A_21_P0007363	2,98937	3,38205	-1,312829898	N/A	N/A	N/A	Inc-CFL1-1
A_33_P3665553	9,06641	9,4591	-1,312838998	N/A	100233156	AK126241	LOC100233156
A_23_P388150	1,46725	1,85996	-1,312857198	ENST00000373032	84647	NM_032562	PLA2G12B
A_21_P0011033	4,0113	4,40405	-1,312893599	N/A	N/A	N/A	XLOC_I2_002855
A_21_P0012640	1,72644	2,11932	-1,313011908	N/A	N/A	N/A	XLOC_I2_010968
A_33_P3298382	3,69235	4,08525	-1,31303011	N/A	N/A	BC127811	N/A
A_24_P125690	13,399	13,7919	-1,31303011	ENST00000600434	64981	NM_023937	MRPL34
A_23_P79094	1,46903	1,86203	-1,313121125	ENST00000612127	11026	NM_006865	LILRA3
A_23_P251173	11,6929	12,0859	-1,313121125	ENST00000199389	27102	NM_014413	EIF2AK1
A_33_P3383988	1,37211	1,76517	-1,313175738	ENST00000390441	N/A	AB306076	N/A
A_23_P152838	7,90524	8,29834	-1,313212147	ENST00000618639	6352	NM_002985	CCL5
A_21_P0003865	1,74873	2,14183	-1,313212147	N/A	N/A	N/A	Inc-CDKN2AIP-1
A_24_P281872	1,4154	1,80852	-1,313230352	ENST00000341016	25763	NM_012274	HYPM
A_21_P0007167	1,41993	1,81305	-1,313230352	N/A	N/A	N/A	Inc-B4GALNT4-1
A_21_P0000326	3,57135	3,9645	-1,31325766	N/A	677820	NR_002971	SNORA38
A_22_P00009287	1,95062	2,34382	-1,313303175	N/A	N/A	BC022425	Inc-LRRC30-4
A_23_P370989	10,9437	11,337	-1,31339421	ENST00000518382	4173	NM_005914	MCM4
A_22_P00003950	1,55667	1,94997	-1,31339421	N/A	N/A	N/A	Inc-CHAD-3
A_24_P76995	4,61785	5,01118	-1,313421521	ENST00000551407	23390	NM_015336	ZDHHC17
A_21_P0014626	12,2631	12,6565	-1,31348525	ENST00000392894	11342	NM_007282	RNF13
A_22_P00000408	1,37935	1,77279	-1,313521668	N/A	N/A	N/A	Inc-AC040934.1-3



A_24_P64362	8,12374	8,5172	-1,313539878	ENST00000369889	54838	NM_017787	WBP1L
A_23_P417261	2,32298	2,71648	-1,313576297	ENST00000295824	151651	NM_144715	EFHB
A_22_P00004376	6,08827	6,48181	-1,313612718	ENST00000423045	54039	N/A	PCBP3
A_21_P0008213	1,5381	1,9317	-1,313667351	N/A	N/A	N/A	Inc-COL4A1-2
A_21_P0010491	10,9866	11,3802	-1,313667351	ENST00000623227	N/A	N/A	N/A
A_21_P0002000	2,16275	2,55639	-1,313703774	ENST00000453678	N/A	N/A	N/A
A_21_P0001711	4,18689	4,58056	-1,313731092	N/A	100506696	NR_046326	PCAT6
A_22_P00004841	1,69623	2,08992	-1,313749304	N/A	101927894	XR_242850	LOC101927894
A_23_P252335	10,8496	11,2433	-1,31375841	ENST00000290130	54069	NM_018944	MIS18A
A_21_P0008653	1,46124	1,85494	-1,31375841	N/A	N/A	N/A	Inc-THSD4-3
A_23_P18692	10,0406	10,4343	-1,31375841	ENST00000296412	128	NM_000671	ADH5
A_22_P00012105	1,63586	2,02958	-1,313776623	ENST00000503652	N/A	N/A	N/A
A_33_P3353360	3,43712	3,83085	-1,313785729	N/A	55845	AK290580	BRK1
A_23_P405129	5,46117	5,85502	-1,313895012	ENST00000261978	4053	NM_000428	LTBP2
A_21_P0007148	2,72401	3,11788	-1,313913226	N/A	N/A	N/A	Inc-APOC3-2
A_33_P3409506	7,56425	7,95818	-1,313967871	ENST00000479413	138241	NM_182505	C9orf85
A_22_P00017781	3,61737	4,0113	-1,313967871	N/A	728537	N/A	LINC01125
A_33_P3333507	6,24345	6,63744	-1,314022519	ENST00000348610	57337	NM_020654	SENP7
A_22_P00008487	1,90833	2,30237	-1,31406806	N/A	N/A	AW404679	Inc-KCNC2-1
A_24_P203226	15,4425	15,8366	-1,314122712	ENST00000577856	653505	NM_001143883	PPIAL4B
A_22_P00016942	2,95373	3,34799	-1,314268461	N/A	N/A	BM919801	Inc-TSPO-2
A_21_P0002045	4,02081	4,41511	-1,314304901	ENST00000444871	100130502	N/A	LOC100130502
A_19_P00317042	5,09817	5,49255	-1,314377783	N/A	N/A	AK027340	Inc-GGCT-1
A_23_P7976	11,7887	12,1831	-1,314396005	ENST00000304218	3008	NM_005321	HIST1H1E
A_32_P43050	11,7143	12,1088	-1,314487115	ENST00000358464	2483	NM_004477	FRG1
A_23_P111657	1,42379	1,81835	-1,314541784	ENST00000297261	6469	NM_000193	SHH
A_33_P8922891	6,33047	6,72509	-1,314596455	N/A	101927751	XM_005255009	LOC101927751
A_22_P00008553	1,37426	1,76901	-1,314714918	ENST00000442937	100505566	NR_047568	LINC00578
A_23_P18055	5,23746	5,63227	-1,314769596	N/A	711	NR_024615	ERC2-IT1
A_21_P0008217	2,37243	2,76727	-1,314796936	N/A	N/A	N/A	Inc-TUBGCP3-8
A_21_P0004550	2,40178	2,79674	-1,314906303	N/A	N/A	N/A	Inc-SLC12A7-1
A_33_P3317664	10,0249	10,4199	-1,31494276	ENST00000427865	4245	NM_001114618	MGAT1
A_21_P0001320	2,00061	2,39562	-1,314951875	N/A	N/A	N/A	Inc-FPGT-4

A_22_P00009866	2,70565	3,10069	-1,314979219	ENST00000559299	N/A	N/A	N/A
A_23_P65157	14,3964	14,7916	-1,315125063	ENST00000468918	10063	NM_005694	COX17
A_22_P00023587	11,4674	11,8627	-1,315216223	ENST00000569284	1018	NM_001258	CDK3
A_33_P3221458	8,30604	8,70137	-1,315243573	ENST00000416749	7754	NR_002722	ZNF204P
A_33_P3415191	11,5881	11,9835	-1,31530739	ENST00000536015	5205	NM_005603	ATP8B1
A_33_P3411090	6,45839	6,85379	-1,31530739	ENST00000389651	161823	NM_001012969	ADAL
A_21_P0002863	1,39961	1,79503	-1,315325624	ENST00000464131	N/A	N/A	N/A
A_22_P00021735	3,60589	4,00132	-1,315334742	N/A	N/A	BM978283	Inc-CTU2-2
A_33_P3288294	6,64497	7,0405	-1,315425917	ENST00000520767	84750	AJ535838	FUT10
A_23_P78563	14,7916	15,1872	-1,315489743	ENST00000588141	59286	NM_024292	UBL5
A_33_P3294078	2,145	2,54062	-1,31550798	N/A	N/A	N/A	N/A
A_23_P28139	1,40375	1,79939	-1,315526217	ENST00000485440	6344	NM_002980	SCTR
A_23_P211252	4,95458	5,35024	-1,315544454	ENST00000397728	4047	NM_001001438	LSS
A_22_P00007107	2,28646	2,68219	-1,315608286	ENST00000542578	101927735	NR_110058	LOC101927735
A_24_P185205	9,18734	9,58311	-1,315644763	ENST00000301057	90313	NM_138349	TP53I13
A_23_P314250	4,40997	4,80581	-1,3157086	ENST00000247295	286336	NM_033387	FAM78A
A_22_P00009361	1,64427	2,04011	-1,3157086	N/A	N/A	BX089959	Inc-LRRTM2-1
A_21_P0007886	1,47813	1,87409	-1,315818042	N/A	N/A	N/A	Inc-RP11-181C3.1.1-1
A_22_P00016879	4,69736	5,09333	-1,315827163	ENST00000361875	9819	N/A	TSC22D2
A_33_P3227492	5,52831	5,92432	-1,315863646	ENST00000366713	574432	NR_103539	IBA57-AS1
A_33_P3210760	6,20471	6,6008	-1,315936615	N/A	N/A	AI205683	N/A
A_21_P0002805	4,16645	4,5626	-1,315991344	ENST00000467896	102724479	XR_427436	LOC102724479
A_21_P0009008	6,60843	7,00468	-1,316082565	ENST00000566787	N/A	N/A	N/A
A_21_P0005278	1,35496	1,75132	-1,316182915	ENST00000462565	N/A	N/A	N/A
A_33_P3383261	10,3859	10,7823	-1,316219408	ENST00000060969	80143	NM_001102396	SIKE1
A_22_P00016775	10,2603	10,6568	-1,316310644	ENST00000514146	100507602	NR_102762	TRIM52-AS1
A_24_P225970	8,25677	8,65329	-1,316328893	ENST00000417364	151648	NM_001012409	SGOL1
A_21_P0000686	4,55717	4,95371	-1,316347141	N/A	100379571	NR_037803	BACE1-AS
A_24_P369898	4,81257	5,20911	-1,316347141	ENST00000579052	80022	BC128044	MYO15B
A_22_P00011159	7,31344	7,71001	-1,316374514	ENST00000538324	28	NM_020469	ABO
A_23_P301925	17,2562	17,6528	-1,316401887	ENST00000361624	4512	HV963900	COX1
A_24_P359191	6,18642	6,58302	-1,316401887	ENST00000615188	6533	NM_003043	SLC6A6
A_23_P83094	8,38584	8,78244	-1,316401887	ENST00000440700	7091	NM_007005	TLE4

A_23_P213247	10,9704	11,367	-1,316401887	ENST00000511441	26234	NM_012161	FBXL5
A_33_P3396181	1,5065	1,90317	-1,316465761	ENST00000496337	93432	NM_001293626	LOC93432
A_21_P0010554	3,20176	3,59858	-1,316602644	N/A	101927345	N/A	LOC101927345
A_23_P142421	9,45469	9,85168	-1,316757795	ENST00000586308	9757	NM_014727	KMT2B
A_23_P71864	9,0045	9,40152	-1,316785176	ENST00000439290	84895	NM_032809	FAM73B
A_23_P75453	9,48154	9,87857	-1,316794304	ENST00000337652	4221	NM_130803	MEN1
A_21_P0009242	3,79693	4,19404	-1,316867324	N/A	N/A	N/A	Inc-MRM1-2
A_33_P3303104	7,33176	7,72889	-1,31688558	ENST00000602751	55892	NM_001185119	MYNN
A_33_P3269588	8,97134	9,36865	-1,317049894	ENST00000354828	2551	NM_002040	GABPA
A_33_P3313785	8,91578	9,31311	-1,317068152	ENST00000433542	64770	NM_022757	CCDC14
A_21_P0007115	1,50866	1,906	-1,317077281	N/A	N/A	N/A	Inc-ABLIM1-1
A_24_P213643	6,57217	6,96962	-1,317177707	ENST00000571707	83882	NM_031945	TSPAN10
A_33_P3390853	13,2679	13,6655	-1,317314664	ENST00000423617	550643	NR_015367	LINC01420
A_33_P3356325	7,10674	7,50435	-1,317323795	ENST00000541426	2120	NM_001987	ETV6
A_32_P42725	1,59107	1,98872	-1,317360319	ENST00000449024	N/A	XM_006711715	N/A
A_33_P3265355	12,1012	12,4989	-1,317405976	ENST00000367208	6635	NM_003094	SNRPE
A_22_P00004668	1,50596	1,90376	-1,317497295	ENST00000556586	145216	NR_038436	LINC00637
A_23_P424582	9,89877	10,2966	-1,317524692	ENST00000490624	80864	NM_030652	EGFL8
A_21_P0002384	1,71886	2,11677	-1,317597753	N/A	N/A	N/A	Inc-CMPK2-13
A_33_P3288694	7,85234	8,25026	-1,317606886	N/A	101929243	XR_249973	LOC101929243
A_33_P3271599	6,04942	6,44735	-1,317616019	ENST00000396499	202243	NM_176816	CCDC125
A_21_P0013499	1,88683	2,28481	-1,317661685	ENST00000523011	101926977	XR_242405	LOC101926977
A_33_P3242603	8,80761	9,20559	-1,317661685	ENST00000479076	645676	NR_027023	ASH1L-AS1
A_22_P00005435	3,1016	3,49968	-1,317753021	N/A	N/A	N/A	Inc-DTYMK-4
A_33_P3263170	14,9547	15,3528	-1,31777129	ENST00000429728	6637	NM_003096	SNRPG
A_21_P0006496	11,1483	11,5465	-1,317862634	ENST00000442437	645037	NM_001098411	GAGE2B
A_22_P00007261	1,46	1,8582	-1,317862634	N/A	N/A	N/A	Inc-GPR144-3
A_33_P3369495	1,58156	1,97979	-1,317890038	ENST00000376855	9071	N/A	CLDN10
A_23_P53152	8,9469	9,34532	-1,318063613	ENST00000534147	56672	NM_020642	AKIP1
A_33_P3233774	7,44386	7,84237	-1,318145841	ENST00000575752	7727	NM_001032292	ZNF174
A_22_P00021295	1,49475	1,89327	-1,318154977	ENST00000448901	101929390	N/A	LINC01247
A_21_P0011140	2,81307	3,21164	-1,318200662	N/A	100507240	N/A	VWA8-AS1
A_21_P0011537	3,81723	4,21583	-1,318228073	ENST00000578883	N/A	XM_003960735	N/A

A_24_P83455	2,72464	3,12329	-1,31827376	N/A	200197	NR_027136	TMEM51-AS1
A_22_P00016893	2,76946	3,1682	-1,318356001	ENST00000555798	N/A	N/A	N/A
A_33_P3388222	1,71428	2,11314	-1,318465664	N/A	642620	AK057320	LOC642620
A_21_P0006546	1,39922	1,79809	-1,318474803	N/A	N/A	N/A	Inc-RP1-241P17.4.1-1
A_33_P3293207	7,37155	7,77043	-1,318483942	ENST00000286688	157657	NM_177965	C8orf37
A_23_P208516	12,4551	12,854	-1,31850222	ENST00000494142	79143	NM_024298	MBOAT7
A_24_P133162	7,24566	7,64456	-1,31850222	ENST00000468303	90529	NM_178122	STPG1
A_33_P3361457	10,323	10,722	-1,318593614	ENST00000382238	3455	NM_000874	IFNAR2
A_21_P0013944	3,30995	3,70914	-1,318767282	N/A	N/A	BC022404	Inc-JMJD7-PLA2G4B-1
A_22_P00025209	1,4055	1,8047	-1,318776423	N/A	100874004	NR_046642	PPEF1-AS1
A_22_P00009514	3,95135	4,35064	-1,318858695	ENST00000567079	N/A	N/A	N/A
A_22_P00021455	3,27093	3,67023	-1,318867837	ENST00000450888	642345	N/A	MIR4500HG
A_33_P3271065	2,21857	2,61788	-1,318876979	ENST00000408989	89766	NM_001199527	UMODL1
A_21_P0008490	3,55742	3,95679	-1,31893183	N/A	N/A	N/A	Inc-RTL1-6
A_21_P0008798	1,65926	2,05864	-1,318940972	N/A	N/A	N/A	Inc-RP11-82I10.1.1-4
A_23_P25475	7,03474	7,43418	-1,318995827	ENST00000301466	8435	NM_003578	SOAT2
A_23_P60354	7,68274	8,08219	-1,319004969	ENST00000382183	6595	NM_139045	SMARCA2
A_22_P00009208	1,72055	2,12007	-1,319068969	ENST00000449986	100506457	NR_110197	LOC100506457
A_32_P184464	4,25303	4,65258	-1,319096399	ENST00000620893	54763	NM_017578	ROPN1
A_22_P00012570	10,8731	11,2727	-1,319142116	N/A	N/A	N/A	Inc-PTP4A2-1
A_24_P941824	11,2178	11,6175	-1,319233555	ENST00000375712	9371	NM_004798	KIF3B
A_23_P410613	10,5131	10,9128	-1,319233555	ENST00000280756	90488	NM_152261	TMEM263
A_24_P414999	11,0483	11,448	-1,319233555	ENST00000521545	55353	NM_018407	LAPTM4B
A_33_P6812319	6,76286	7,16261	-1,319279277	ENST00000460259	4731	N/A	NDUFV3
A_22_P00014719	1,67886	2,07863	-1,319297567	ENST00000576476	101929726	XR_242025	LOC101929726
A_24_P14464	12,4191	12,8189	-1,319325001	ENST00000372676	10406	NM_006103	WFDC2
A_21_P0005787	6,42301	6,82282	-1,319334146	N/A	101927815	N/A	LOC101927815
A_23_P215318	8,52256	8,92238	-1,319343291	ENST00000310301	27072	NM_014396	VPS41
A_33_P3259053	2,99043	3,39038	-1,319462181	ENST00000473000	389362	NM_001135750	PSMG4
A_33_P3380493	4,55491	4,95487	-1,319471327	ENST00000614679	83442	NM_031286	SH3BGL3
A_23_P436117	9,12466	9,52465	-1,319498765	ENST00000381714	10363	NM_018200	HMG20A
A_33_P3315425	7,05168	7,45167	-1,319498765	ENST00000573134	64863	NM_022840	METTL4
A_23_P141126	7,95068	8,3507	-1,319526203	ENST00000588479	2584	NM_000154	GALK1

A_22_P00003023	3,91862	4,31868	-1,319562789	N/A	N/A	N/A	Inc-C7orf13-1
A_22_P00018626	1,4898	1,88987	-1,319571935	ENST00000502071	101928580	NR_120556	LOC101928580
A_21_P0004024	6,32984	6,72993	-1,319590229	N/A	N/A	N/A	Inc-RASA1-3
A_22_P00004013	1,54166	1,9418	-1,319635963	ENST00000534675	N/A	N/A	N/A
A_23_P150064	6,5481	6,94825	-1,31964511	ENST00000372027	79812	NM_024756	MMRN2
A_24_P179183	8,5781	8,97827	-1,319663404	ENST00000383440	23253	NM_015208	ANKRD12
A_24_P264207	16,18	16,5802	-1,319690846	ENST00000426188	5757	NM_002823	PTMA
A_33_P3387991	2,6359	3,03618	-1,319764027	ENST00000206513	1053	NM_001805	CEBPE
A_23_P417415	11,8041	12,2044	-1,319782323	ENST00000481208	26027	NM_147161	ACOT11
A_24_P246943	15,0586	15,4589	-1,319782323	ENST00000441944	5478	NM_021130	PPIA
A_33_P3316539	7,52975	7,93019	-1,319910402	ENST00000004531	6542	NM_001008539	SLC7A2
A_33_P3419012	2,18306	2,58354	-1,319946998	N/A	N/A	N/A	N/A
A_33_P3416797	3,46643	3,86696	-1,319992745	N/A	144203	AL831947	OVOS2
A_24_P303454	7,41287	7,81348	-1,320065943	ENST00000456877	26230	NM_012454	TIAM2
A_24_P510357	1,44859	1,84925	-1,320111694	ENST00000390312	N/A	S76132	N/A
A_33_P3342410	10,209	10,6097	-1,320148295	ENST00000263026	29904	NM_013302	EEF2K
A_23_P212728	11,0925	11,4932	-1,320148295	ENST00000471273	55773	NM_001199198	TBC1D23
A_23_P430381	7,89953	8,30024	-1,320157446	ENST00000368908	388695	NM_212551	LYSMD1
A_33_P3780987	1,45583	1,85655	-1,320166597	ENST00000377713	285641	NM_001145017	SLC36A3
A_33_P3237050	1,55532	1,95609	-1,320212351	ENST00000305045	122740	NM_001004712	OR4K14
A_33_P3343220	13,4109	13,8117	-1,320239804	ENST00000343938	80772	NM_001029885	CPTP
A_23_P118150	11,5986	11,9994	-1,320239804	ENST00000304414	23204	NM_015161	ARL6IP1
A_24_P194714	14,2413	14,6421	-1,320239804	ENST00000327490	283991	NM_182565	UBALD2
A_33_P3389028	3,07535	3,4762	-1,320285561	N/A	N/A	N/A	N/A
A_23_P37877	9,23477	9,63569	-1,320349623	ENST00000565425	64428	NM_022493	NARFL
A_32_P229618	4,5214	4,92244	-1,320459451	ENST00000426717	1740	NM_001364	DLG2
A_21_P0008500	1,64533	2,0464	-1,32048691	N/A	N/A	N/A	Inc-GPR132-2
A_21_P0013106	1,40921	1,81032	-1,320523522	N/A	N/A	N/A	XLOC_I2_013151
A_24_P84508	16,5775	16,9787	-1,320605903	ENST00000332361	N/A	N/A	N/A
A_21_P0005092	1,52008	1,92129	-1,320615057	ENST00000439703	101929484	XR_245642	LOC101929484
A_23_P8754	7,22354	7,62479	-1,320651673	ENST00000358954	10157	NM_005763	AASS
A_33_P3404480	1,61435	2,01562	-1,320669981	ENST00000359962	58538	NM_033066	MPP4
A_23_P256413	14,3869	14,7882	-1,320697444	ENST00000464689	112616	NM_138410	CMTM7

A_24_P409126	4,47409	4,87541	-1,320715753	N/A	22862	AK056071	FNDC3A
A_23_P371613	12,2134	12,6149	-1,320880544	ENST00000372837	118487	NM_203298	CHCHD1
A_21_P0014629	2,12731	2,52881	-1,320880544	N/A	644767	XR_111749	FLJ44838
A_33_P3270218	1,47189	1,87366	-1,32112777	ENST00000404008	84132	AK298164	USP42
A_33_P3354374	1,47345	1,87523	-1,321136927	N/A	100507410	NR_040018	C1QTNF1-AS1
A_22_P00015999	4,41094	4,81281	-1,321219346	ENST00000431401	101928106	XR_251961	LOC101928106
A_21_P0012836	1,44862	1,8505	-1,321228504	N/A	N/A	N/A	XLOC_I2_011656
A_21_P0013911	5,14944	5,55138	-1,321283454	N/A	N/A	N/A	N/A
A_33_P3309130	1,64834	2,05037	-1,321365882	ENST00000315938	220032	NM_182833	GDPD4
A_22_P00001680	3,68362	4,08569	-1,321402519	N/A	N/A	N/A	Inc-ASPSCR1-1
A_22_P00018938	1,87298	2,27511	-1,321457476	N/A	N/A	N/A	Inc-C6orf228-3
A_33_P3406255	9,3591	9,76129	-1,321512435	N/A	N/A	N/A	N/A
A_24_P292964	11,2704	11,6726	-1,321521595	ENST00000582114	80279	NM_001278198	CDK5RAP3
A_33_P3330039	9,28357	9,68581	-1,321558236	ENST00000607609	51177	NM_016274	PLEKHO1
A_24_P322908	6,91502	7,31728	-1,321576556	ENST00000621775	389856	NM_001145073	USP27X
A_22_P00021297	1,53076	1,93305	-1,321604038	N/A	N/A	N/A	Inc-EMP2-2
A_24_P119545	3,67798	4,08031	-1,321640681	ENST00000366784	3707	XM_005273120	ITPKB
A_33_P3234989	8,47299	8,87533	-1,321649842	ENST00000552912	28981	NM_014055	IFT81
A_24_P394420	3,4408	3,84318	-1,321686487	ENST00000321442	94081	NM_022754	SFXN1
A_24_P342484	2,47545	2,87786	-1,321713971	ENST00000368111	1401	NM_000567	CRP
A_22_P00019695	1,55232	1,95479	-1,32176894	N/A	N/A	N/A	Inc-CST7-2
A_24_P63563	11,0297	11,4322	-1,321796426	ENST00000194118	9812	NM_014773	KIAA0141
A_23_P105002	9,17596	9,57849	-1,321823912	ENST00000278833	6094	NM_000327	ROM1
A_21_P0001256	1,46954	1,87208	-1,321833075	N/A	N/A	N/A	Inc-DFFB-3
A_21_P0014826	3,35724	3,7598	-1,321851399	N/A	N/A	N/A	N/A
A_23_P326691	10,975	11,3776	-1,321888049	ENST00000373493	5928	NM_005610	RBBP4
A_33_P3370244	1,62963	2,03235	-1,321998005	ENST00000444310	342346	NM_001145011	C16orf96
A_21_P0010257	4,98129	5,38403	-1,322016332	N/A	N/A	N/A	Inc-PKNOX1-2
A_23_P250385	10,1638	10,5666	-1,322071314	ENST00000331442	3009	NM_005322	HIST1H1B
A_23_P30666	15,3414	15,7442	-1,322071314	ENST00000296861	27242	NM_014452	TNFRSF21
A_23_P412932	1,56079	1,96364	-1,322117135	ENST00000373368	6694	NM_006944	SPP2
A_21_P0011509	5,12838	5,53126	-1,322144628	ENST00000574727	245	N/A	ALOX12P2
A_33_P3231407	4,35012	4,75302	-1,322162957	ENST00000368135	149628	XM_005244930	PYHIN1

A_21_P0009639	2,11688	2,51979	-1,322172121	N/A	N/A	N/A	Inc-ZNF516-3
A_33_P3320619	3,92351	4,32643	-1,322181286	ENST00000376643	10013	NM_006044	HDAC6
A_21_P0000215	8,25777	8,6608	-1,322282101	ENST00000485390	26811	NR_000015	SNORD55
A_33_P3351052	9,0578	9,46092	-1,322364592	ENST00000373012	5453	NM_002699	POU3F1
A_33_P3255741	4,66696	5,07008	-1,322364592	ENST00000376954	347344	NM_007137	ZNF81
A_22_P00002608	8,65831	9,06157	-1,322492921	ENST00000566499	146336	NR_027242	SSTR5-AS1
A_24_P361167	11,5077	11,911	-1,322529589	ENST00000557364	57680	NM_020920	CHD8
A_22_P00012866	11,9555	12,3588	-1,322529589	ENST00000444958	57291	NR_024031	DANCR
A_33_P3329592	4,31684	4,72015	-1,322538756	ENST00000587722	388552	NM_212550	BLOC1S3
A_22_P00012859	5,92089	6,3242	-1,322538756	ENST00000442026	104355287	NR_126403	LINC01317
A_22_P00007386	1,49618	1,89959	-1,322630431	ENST00000561496	N/A	BC035378	N/A
A_22_P00011327	1,40723	1,81071	-1,322694607	N/A	N/A	N/A	Inc-OST4-3
A_32_P8361	10,3775	10,781	-1,322712943	ENST00000587938	23383	NM_015329	MAU2
A_33_P3409513	11,7384	12,142	-1,32280463	ENST00000417877	5600	NM_002751	MAPK11
A_23_P99172	10,0252	10,4288	-1,32280463	ENST00000422000	84318	NM_032358	CCDC77
A_23_P395632	1,51181	1,91544	-1,322832137	ENST00000217043	140902	NM_178491	R3HDML
A_24_P1773	7,19472	7,59837	-1,322850475	ENST00000285737	83752	NM_031490	LONP2
A_23_P394043	7,50738	7,91106	-1,322877984	ENST00000160298	57662	NM_001080429	CAMSAP3
A_23_P89410	11,8222	12,2259	-1,322896323	ENST00000590185	8678	NM_003766	BECN1
A_33_P3344086	13,9146	14,3183	-1,322896323	ENST00000333151	8331	NM_021066	HIST1H2AJ
A_23_P205724	7,45028	7,854	-1,322914662	ENST00000553409	55051	NM_017970	NRDE2
A_21_P0014399	2,69247	3,09627	-1,322988022	N/A	101927117	NR_109889	PLCG1-AS1
A_33_P3618429	9,03353	9,43737	-1,323024704	ENST00000602585	441733	N/A	PRKXP1
A_33_P3305105	4,42974	4,8336	-1,323043045	ENST00000449321	4013	NM_198315	VWA5A
A_33_P3714341	1,4314	1,8353	-1,323079728	N/A	N/A	AB363267	N/A
A_22_P00004773	1,39249	1,79643	-1,323116412	N/A	N/A	N/A	Inc-CTU2-4
A_23_P152428	7,09169	7,49572	-1,323198955	ENST00000268485	91862	NM_052858	MARVELD3
A_24_P258051	8,12226	8,52646	-1,323354883	ENST00000342386	84930	NM_032844	MASTL
A_22_P00016776	9,84636	10,2506	-1,323391575	N/A	101928649	NR_109909	CTC-338M12.4
A_21_P0013389	6,89146	7,2957	-1,323391575	N/A	100132832	NR_028058	PMS2P9
A_33_P3296772	4,45555	4,85979	-1,323391575	N/A	145438	NR_037676	FRMD6-AS1
A_23_P60286	10,5607	10,965	-1,323446614	ENST00000550704	1975	NM_001417	EIF4B
A_33_P3302657	2,53465	2,93895	-1,323446614	ENST00000376525	7091	N/A	TLE4

A_33_P3412149	9,58677	9,9911	-1,323474135	ENST00000369970	23155	NM_001048210	CLCC1
A_33_P3242814	1,55571	1,96004	-1,323474135	N/A	N/A	N/A	N/A
A_21_P0012933	1,44831	1,85281	-1,323630096	ENST00000515403	643201	N/A	LOC643201
A_33_P3401981	3,20764	3,61214	-1,323630096	ENST00000587564	399473	NM_001042522	SPRED3
A_22_P00017750	1,41195	1,81651	-1,323685145	ENST00000501708	102725477	AK125412	LOC102725477
A_23_P384532	1,70375	2,10832	-1,32369432	ENST00000398545	220136	NM_145020	CFAP53
A_23_P51996	11,1288	11,5334	-1,323721846	ENST00000370008	6814	NM_007269	STXBP3
A_24_P414786	10,3767	10,7813	-1,323721846	ENST00000307731	51362	NM_015891	CDC40
A_23_P395426	9,90906	10,3137	-1,323758548	ENST00000370366	11083	NM_022105	DIDO1
A_23_P92441	11,0914	11,4961	-1,323813602	ENST00000504707	4085	NM_002358	MAD2L1
A_24_P542375	14,7996	15,2044	-1,323905365	ENST00000448874	5757	NM_002823	PTMA
A_23_P25706	10,2374	10,6422	-1,323905365	ENST00000298912	79789	NM_024734	CLMN
A_23_P313981	1,70462	2,10948	-1,323960426	ENST00000619595	5273	NM_005024	SERPINB10
A_24_P340679	15,5104	15,9153	-1,323997135	ENST00000486414	5478	NM_021130	PPIA
A_33_P3314441	8,10545	8,51042	-1,324061377	ENST00000619412	64839	NM_001163315	FBXL17
A_24_P188447	1,50836	1,91334	-1,324070555	ENST00000357083	1996	NM_021952	ELAVL4
A_23_P368393	8,26374	8,66872	-1,324070555	ENST00000414963	23451	NM_001005526	SF3B1
A_33_P3374478	1,55974	1,96473	-1,324079733	ENST00000429162	113201	AK098265	CASC4
A_23_P353742	10,944	11,349	-1,32408891	ENST00000458649	55626	NM_017749	AMBRA1
A_24_P7652	3,07883	3,48386	-1,324116444	ENST00000452324	256714	NM_152780	MAP7D2
A_22_P00022339	2,99953	3,40457	-1,324125622	ENST00000440609	N/A	N/A	N/A
A_24_P278367	9,92854	10,3336	-1,324143979	ENST00000470322	10121	NM_005736	ACTR1A
A_33_P3723600	1,36682	1,77192	-1,324180692	ENST00000558165	7302	NR_028510	TYRO3P
A_21_P0014783	1,52561	1,93072	-1,324189871	ENST00000608358	N/A	AF447871	N/A
A_33_P3361896	1,52394	1,92913	-1,324263302	N/A	100127994	AK127538	LOC100127994
A_22_P00017995	9,23504	9,64031	-1,324336736	N/A	153684	NR_015447	LOC153684
A_33_P3260680	1,99324	2,39852	-1,324345916	ENST00000366475	127074	NM_001004696	OR2T4
A_22_P00025626	2,72641	3,13179	-1,324437716	N/A	100507118	NR_051984	PRC1-AS1
A_22_P00025678	1,46497	1,87037	-1,324456077	N/A	N/A	BX096603	Inc-PRMT8-2
A_23_P69226	10,4017	10,8071	-1,324456077	ENST00000429759	55831	NM_018447	EMC3
A_21_P0001366	1,4469	1,85231	-1,324465257	N/A	N/A	N/A	Inc-TSHB-2
A_22_P00023815	1,47216	1,87757	-1,324465257	ENST00000439904	N/A	BC023330	N/A
A_23_P96285	3,60194	4,00738	-1,324492799	ENST00000535845	65055	NM_022912	REEP1



A_33_P3357322	9,27491	9,68037	-1,32451116	ENST00000286398	10592	NM_001042550	SMC2
A_23_P434473	8,33111	8,73664	-1,324575428	ENST00000488151	201595	NM_178862	STT3B
A_22_P00002415	1,36296	1,76853	-1,324612153	ENST00000554515	N/A	N/A	N/A
A_21_P0013788	1,54644	1,95202	-1,324621335	ENST00000276185	84443	N/A	FRMPD3
A_23_P208293	14,2143	14,6199	-1,324639698	ENST00000252483	5819	NM_001042724	PVRL2
A_21_P0001029	2,52426	2,92993	-1,324703971	N/A	N/A	N/A	Inc-PRRC2C-1
A_22_P00024357	1,47917	1,88486	-1,324722336	N/A	N/A	N/A	Inc-CCDC69-1
A_23_P2066	8,40923	8,81496	-1,324759066	ENST00000527830	51074	NM_015957	APIP
A_33_P3354001	3,19339	3,59916	-1,324795796	ENST00000615869	93664	NM_001167940	CADPS2
A_33_P3416166	1,64406	2,04992	-1,324878444	ENST00000559008	101929560	XR_248148	LOC101929560
A_23_P144458	8,27654	8,68246	-1,324933545	ENST00000508738	817	NM_001221	CAMK2D
A_22_P00013207	8,15463	8,56066	-1,32503457	N/A	N/A	BC005095	Inc-RNF24-2
A_24_P57700	8,58649	8,99254	-1,325052939	ENST00000540170	23051	NM_015035	ZHX3
A_33_P3290562	9,59069	9,99676	-1,325071308	ENST00000395925	2737	NM_000168	GLI3
A_22_P00009793	9,27866	9,68484	-1,325172344	N/A	N/A	N/A	Inc-MEGF11-2
A_24_P15586	1,88971	2,2959	-1,325181529	ENST00000415914	168451	NM_182529	THAP5
A_21_P0008624	5,79534	6,20155	-1,3251999	N/A	N/A	N/A	Inc-VPS18-1
A_33_P3287685	12,1133	12,5196	-1,325282573	ENST00000612029	4849	NM_014516	CNOT3
A_24_P299318	4,83571	5,24216	-1,325420373	ENST00000329099	359845	NM_182705	FAM101B
A_23_P6708	13,1942	13,6007	-1,325466309	ENST00000602845	152217	NR_024388	NCBP2-AS2
A_23_P212002	10,851	11,2575	-1,325466309	ENST00000617821	4820	NM_005385	NKTR
A_23_P212397	10,0795	10,486	-1,325466309	ENST00000265537	23395	NM_015340	LARS2
A_21_P0009762	1,57194	1,97848	-1,325503059	N/A	N/A	N/A	Inc-ANKRD27-4
A_21_P0005487	1,38192	1,78847	-1,325512247	N/A	N/A	N/A	Inc-RP1-170O19.17.1-3
A_23_P320021	2,7939	3,20051	-1,325567375	ENST00000614066	7287	NM_003322	TULP1
A_33_P3381870	10,1745	10,5814	-1,325833857	ENST00000358242	2039	NM_001978	DMTN
A_22_P00017083	6,61785	7,02477	-1,325852237	N/A	N/A	AK126333	Inc-TWSG1-1
A_23_P126613	3,76233	4,1693	-1,325898189	ENST00000484864	89872	NM_080429	AQP10
A_24_P926760	10,1671	10,5741	-1,32592576	ENST00000466553	4820	NM_005385	NKTR
A_24_P324314	6,90814	7,31516	-1,325944142	ENST00000375036	439921	NM_001008529	MXRA7
A_22_P00012951	3,54763	3,95468	-1,325971714	N/A	N/A	N/A	Inc-RECQL5-1
A_22_P00016179	3,61194	4,01903	-1,326008478	ENST00000561310	N/A	DA446599	N/A
A_23_P148513	13,8188	14,2259	-1,32601767	ENST00000370641	2787	NM_005274	GNG5

A_21_P0006170	1,49264	1,89981	-1,32608201	N/A	N/A	N/A	Inc-C9orf170-1
A_33_P3422429	11,0756	11,4828	-1,326109585	ENST00000459752	10207	AJ001306	INADL
A_32_P36143	5,97093	6,37815	-1,326127969	N/A	N/A	AL523350	N/A
A_24_P393470	5,56078	5,96803	-1,326155546	ENST00000477565	729991	NM_001145783	MEF2BNB
A_23_P29046	11,5111	11,9184	-1,326201507	ENST00000290349	873	NM_001757	CBR1
A_22_P00002552	8,88519	9,29249	-1,326201507	ENST00000582766	104909134	NM_001303016	MGC57346-CRHR1
A_23_P406071	6,41065	6,81797	-1,326219893	N/A	N/A	AK097098	N/A
A_33_P3350684	2,18062	2,58794	-1,326219893	N/A	N/A	N/A	N/A
A_33_P3338740	2,66589	3,07329	-1,326293436	ENST00000266991	50846	NM_021044	DHH
A_21_P0008156	3,77923	4,18669	-1,326348596	N/A	N/A	N/A	Inc-TPT1-1
A_33_P3335077	5,51037	5,91783	-1,326348596	N/A	N/A	BC023640	N/A
A_33_P3313519	4,55252	4,96005	-1,326412952	ENST00000617299	89832	NM_139320	CHRFAM7A
A_21_P0011794	1,39467	1,80222	-1,326431341	N/A	N/A	N/A	XLOC_I2_007237
A_22_P00024661	1,38916	1,79674	-1,326458923	N/A	N/A	N/A	Inc-LEFTY2-1
A_23_P200728	1,53695	1,94454	-1,326468118	ENST00000426740	2214	NM_000569	FCGR3A
A_22_P00001582	1,89702	2,30475	-1,326596845	ENST00000537292	100507091	NR_038290	LOC100507091
A_33_P3263284	8,42399	8,83183	-1,326697997	N/A	100130238	NR_024563	LOC100130238
A_23_P70095	1,47056	1,87844	-1,326734781	ENST00000523813	972	NM_001025158	CD74
A_24_P252780	7,60951	8,01746	-1,326799156	ENST00000369301	374354	NM_198514	NHLRC2
A_23_P140960	14,4132	14,8212	-1,326845141	ENST00000484769	4706	NM_005003	NDUFAB1
A_33_P3382560	16,0399	16,448	-1,326937114	ENST00000479658	6147	NM_000984	RPL23A
A_22_P00001884	1,52019	1,92836	-1,327001499	ENST00000602823	N/A	XR_426058	N/A
A_33_P3369063	1,5545	1,96274	-1,327065887	ENST00000528843	N/A	AB529231	N/A
A_33_P3417980	3,47413	3,8824	-1,327093483	ENST00000459925	388284	BC132880	C16orf86
A_22_P00017208	2,03918	2,44752	-1,327157875	N/A	N/A	N/A	Inc-UCN-1
A_33_P3210358	3,44613	3,85449	-1,327176274	N/A	N/A	N/A	N/A
A_22_P00025866	4,37696	4,78533	-1,327185473	N/A	N/A	AK057919	Inc-VMO1-1
A_23_P128323	12,1789	12,5873	-1,327213071	ENST00000338748	6337	NM_001038	SCNN1A
A_22_P00015495	4,65471	5,06311	-1,327213071	ENST00000437698	90627	NM_001243476	STARD13
A_33_P3272189	7,47019	7,87861	-1,32723147	ENST00000438943	84804	NM_032718	MFSD9
A_21_P0001886	2,23319	2,64163	-1,32724987	ENST00000619740	N/A	N/A	N/A
A_22_P00003809	1,80486	2,21335	-1,32729587	N/A	N/A	N/A	Inc-CDKN2C-1
A_23_P81859	12,8072	13,2157	-1,32730507	N/A	85235	NM_080596	HIST1H2AH

A_24_P313334	10,4336	10,8421	-1,32730507	ENST00000445816	10169	NM_001199877	SERF2
A_22_P00004470	3,29996	3,70847	-1,32731427	ENST00000520300	N/A	N/A	N/A
A_33_P3462975	1,59969	2,00822	-1,327332671	N/A	401497	NR_046204	LINC01242
A_23_P398491	8,58333	8,99186	-1,327332671	ENST00000559153	90416	NM_001289132	C15orf57
A_23_P207879	5,16854	5,57718	-1,327433879	ENST00000575500	79092	NM_024110	CARD14
A_21_P0013757	17,8276	18,2363	-1,327489086	N/A	N/A	N/A	XLOC_I2_015478
A_24_P302802	9,95959	10,3683	-1,327498288	ENST00000474833	5096	NM_000532	PCCB
A_24_P500422	2,71705	3,12584	-1,327571902	ENST00000602367	730101	NR_024403	LOC730101
A_24_P121956	8,05572	8,46454	-1,327599508	ENST00000585416	255043	NM_173804	TMEM86B
A_22_P00007339	1,67725	2,08612	-1,32764552	N/A	N/A	N/A	Inc-GPRC5A-2
A_24_P107336	9,73631	10,1452	-1,327663925	ENST00000281187	112936	NM_052875	VPS26B
A_23_P208240	4,18875	4,59767	-1,327691533	N/A	90338	BC000807	ZNF160
A_33_P3307197	11,1184	11,5274	-1,327765158	ENST00000497385	5738	NM_020440	PTGFRN
A_19_P00322259	4,24334	4,65236	-1,327783565	ENST00000591188	100506374	XM_006710057	LOC100506374
A_33_P3244578	5,55744	5,96649	-1,327811176	N/A	100129675	AK125061	LOC100129675
A_33_P3212994	10,0043	10,4134	-1,327857195	ENST00000318387	11130	NM_032997	ZWINT
A_33_P3380618	4,5025	4,91161	-1,327866399	ENST00000453796	3339	NM_001291860	HSPG2
A_33_P3309225	1,4679	1,87702	-1,327875603	ENST00000553510	N/A	BX090553	N/A
A_22_P00024019	3,54438	3,9535	-1,327875603	N/A	100874088	NR_046638	PCYT1B-AS1
A_22_P00008389	3,41767	3,82684	-1,327921625	ENST00000505035	162083	NM_001145545	C16orf82
A_21_P0004647	3,40394	3,81315	-1,327958443	N/A	N/A	N/A	Inc-C6orf89-1
A_21_P0006482	1,46196	1,87117	-1,327958443	N/A	N/A	N/A	Inc-TMSB4X-1
A_33_P3394694	9,2003	9,60954	-1,327986058	ENST00000612545	N/A	AK126742	N/A
A_22_P00014588	1,56155	1,9709	-1,328087315	N/A	N/A	N/A	Inc-SLC12A7-1
A_22_P00012522	1,51045	1,91984	-1,328124138	ENST00000440714	N/A	N/A	N/A
A_23_P16242	6,20389	6,61329	-1,328133344	ENST00000430024	7568	NM_021143	ZNF20
A_21_P0009799	4,8587	5,26816	-1,328188581	N/A	N/A	N/A	Inc-C19orf26-1
A_22_P00012129	6,50525	6,91473	-1,328206993	N/A	N/A	N/A	Inc-POLR1E-3
A_23_P368126	13,1554	13,5649	-1,328225406	ENST00000359172	10768	NM_006621	AHCYL1
A_22_P00009704	1,54111	1,95062	-1,328234613	ENST00000582805	101927715	NR_104127	LINC01029
A_23_P213166	7,90594	8,31548	-1,328262233	ENST00000506675	55345	NM_018392	ZGRF1
A_21_P0010529	3,79351	4,20318	-1,328381927	N/A	N/A	N/A	XLOC_I2_000217
A_23_P210608	11,2094	11,6191	-1,32840955	ENST00000302342	7764	NM_006526	ZNF217

A_33_P3279124	10,7095	11,1192	-1,32840955	ENST00000434114	253725	NM_001169107	FAM21C
A_22_P00020548	1,67107	2,08083	-1,328464799	N/A	N/A	N/A	lnc-FAM161B-1
A_22_P00001583	3,44904	3,85885	-1,32851084	N/A	N/A	BG208742	lnc-ARL6IP5-1
A_22_P00001310	1,64954	2,05937	-1,328529258	N/A	N/A	AK057971	lnc-ANP32A-2
A_32_P57810	4,03792	4,44775	-1,328529258	ENST00000319945	114804	NM_052916	RNF157
A_24_P126892	1,53176	1,94163	-1,328566093	N/A	N/A	AF116680	N/A
A_33_P3396389	4,71099	5,12098	-1,328676604	ENST00000413623	3554	NM_000877	IL1R1
A_24_P337000	10,6977	11,1077	-1,328685814	ENST00000319190	57217	NM_020458	TTC7A
A_22_P00013900	1,35837	1,76846	-1,328768704	ENST00000510845	N/A	BU674282	N/A
A_33_P3302300	1,5645	1,97464	-1,328814757	N/A	100128333	AK127681	LOC100128333
A_23_P64499	10,0002	10,4104	-1,328870022	ENST00000614710	81532	NM_053005	MOB2
A_23_P501985	1,43573	1,84593	-1,328870022	ENST00000419094	1438	NM_172249	CSF2RA
A_22_P00015676	1,60599	2,01627	-1,328943712	ENST00000563268	N/A	N/A	N/A
A_24_P93309	3,97024	4,38054	-1,328962135	ENST00000378441	441549	NM_001029954	CDNF
A_22_P00025222	1,35729	1,76759	-1,328962135	N/A	100874236	NR_052004	COL18A1-AS2
A_23_P409489	1,44429	1,8547	-1,329063467	ENST00000371174	1791	NM_004088	DNTT
A_21_P0010845	5,88244	6,29292	-1,329127956	N/A	N/A	N/A	XLOC_I2_001771
A_33_P3283619	2,34049	2,75125	-1,329385939	ENST00000494073	4068	NM_001114937	SH2D1A
A_23_P12147	6,86618	7,27703	-1,329468873	ENST00000294811	148304	NM_152485	C1orf74
A_22_P00017173	1,39325	1,80419	-1,329551813	ENST00000517335	101927740	NR_109890	LOC101927740
A_33_P3350343	4,96122	5,3722	-1,329588676	N/A	101929115	XR_246488	LOC101929115
A_23_P84576	6,04467	6,45566	-1,329597892	ENST00000409349	84168	NM_053034	ANTXR1
A_23_P161352	10,5172	10,9283	-1,329699273	ENST00000471481	9200	NM_014241	PTPLA
A_33_P3376947	5,03621	5,44731	-1,329699273	ENST00000537276	23457	AK027624	ABCB9
A_32_P205637	9,62489	10,036	-1,32970849	ENST00000371610	84612	NM_032521	PARD6B
A_21_P0004110	2,17547	2,58658	-1,32970849	ENST00000503488	N/A	N/A	N/A
A_22_P00023770	1,4621	1,87323	-1,329726923	N/A	N/A	N/A	lnc-ZNF395-1
A_33_P3375259	2,85649	3,26766	-1,329763792	N/A	100128830	XR_242765	LINC01165
A_24_P71153	7,61162	8,02281	-1,329782226	ENST00000374282	5051	NM_000437	PAFAH2
A_23_P109345	14,6161	15,0273	-1,329791444	ENST00000445724	754	NM_004339	PTTG1IP
A_23_P423482	5,57573	5,98698	-1,329837532	ENST00000288228	145773	NM_152450	FAM81A
A_22_P00024034	1,44938	1,86065	-1,329855967	N/A	N/A	N/A	lnc-SBDS-3
A_22_P00002974	3,89998	4,31133	-1,329929712	N/A	N/A	N/A	lnc-C6orf118-1

A_23_P161686	10,5736	10,985	-1,329975805	ENST00000526162	9743	NM_014715	ARHGAP32
A_22_P00014427	3,50841	3,91984	-1,330003461	N/A	N/A	AL832796	Inc-SGSH-1
A_33_P3235098	5,83165	6,24313	-1,330049556	ENST00000372321	728130	NR_075100	NUTM2D
A_33_P3359115	10,9172	11,3287	-1,330067995	ENST00000472827	55788	NM_018368	LMBRD1
A_33_P3619221	11,6751	12,0867	-1,330160191	ENST00000461685	23613	NM_001281773	ZMYND8
A_23_P85015	1,59227	2,0039	-1,330187851	ENST00000378069	4129	NM_000898	MAOB
A_24_P193498	7,74049	8,15214	-1,330206292	ENST00000558677	80213	NM_078474	TM2D3
A_23_P7965	1,39596	1,80764	-1,330233953	ENST00000373025	5225	NM_002630	PGC
A_33_P3246505	7,74533	8,15702	-1,330243174	ENST00000375322	1326	AB209539	MAP3K8
A_22_P00006446	2,09635	2,50811	-1,330307719	N/A	N/A	AK090994	Inc-FBXW11-3
A_21_P0010764	5,12305	5,53483	-1,330326161	ENST00000424711	101928079	N/A	LINC01057
A_23_P151459	12,0929	12,5047	-1,330344603	ENST00000612956	23077	NM_015057	MYCBP2
A_23_P129956	10,028	10,4399	-1,330436819	ENST00000226004	1845	NM_004090	DUSP3
A_32_P399187	1,35192	1,76392	-1,330529041	ENST00000569832	146336	NR_027242	SSTR5-AS1
A_21_P0003282	1,47595	1,88813	-1,330695057	N/A	N/A	N/A	Inc-NGLY1-1
A_24_P411749	10,992	11,4042	-1,330713504	ENST00000367609	57211	NM_020455	GPR126
A_22_P00023895	2,13003	2,54239	-1,330861093	N/A	100129316	N/A	LOC100129316
A_22_P00017386	9,52745	9,93989	-1,330934894	N/A	N/A	AK307123	Inc-VAMP1-1
A_33_P3502640	10,5799	10,9924	-1,330990247	ENST00000446820	113878	NM_020892	DTX2
A_23_P208880	9,05609	9,46862	-1,331017925	ENST00000624301	29128	NM_013282	UHRF1
A_22_P00016086	7,27185	7,68449	-1,331119414	N/A	N/A	AK025196	Inc-THEMIS-1
A_23_P119143	8,79963	9,21228	-1,33112864	ENST00000586480	7087	NM_003259	ICAM5
A_21_P0011795	1,48778	1,90047	-1,331165547	N/A	N/A	N/A	XLOC_I2_007270
A_21_P0004290	2,97642	3,38914	-1,331193229	N/A	N/A	N/A	Inc-RP11-43D2.2.1-10
A_21_P0005361	1,6305	2,04332	-1,331285503	N/A	N/A	N/A	Inc-IL6-1
A_21_P0002023	1,36901	1,78194	-1,331387012	ENST00000428280	N/A	N/A	N/A
A_21_P0009940	1,67265	2,08559	-1,331396241	N/A	N/A	N/A	Inc-PCSK2-1
A_19_P00321588	2,76787	3,18096	-1,331534676	ENST00000555004	56967	NM_001282463	C14orf132
A_32_P203013	13,9503	14,3634	-1,331543906	ENST00000441932	376693	NR_026667	RPS10P7
A_33_P3623118	5,53937	5,95248	-1,331553135	N/A	N/A	AK054653	Inc-MGAT1-1
A_33_P6498866	1,69369	2,10685	-1,331599284	ENST00000427918	101927195	NR_120413	LINC00382
A_21_P0014330	2,57591	2,98914	-1,331663895	N/A	N/A	AF086125	Inc-CDH16-2
A_22_P00022174	2,39504	2,80827	-1,331663895	ENST00000527315	79400	AK074071	NOX5

A_23_P76109	12,3873	12,8006	-1,33172851	ENST00000280571	196383	AK056934	RILPL2
A_21_P0010026	3,57568	3,98911	-1,331848516	N/A	N/A	N/A	Inc-GGTLC1-4
A_21_P0008628	1,75421	2,16787	-1,332060861	N/A	101928388	N/A	PLA2G4E-AS1
A_24_P202581	7,82278	8,2365	-1,332116261	ENST00000354532	9138	NM_199002	ARHGEF1
A_24_P346517	1,34487	1,75875	-1,332264006	ENST00000285928	136332	NM_144648	LRGUK
A_24_P265856	9,43404	9,84802	-1,332356355	ENST00000314261	57337	NM_020654	SENP7
A_23_P137765	5,10019	5,51425	-1,332430238	ENST00000374284	5051	NM_000437	PAFAH2
A_24_P212127	7,58213	7,99619	-1,332430238	ENST00000478556	7581	NM_006954	ZNF33A
A_33_P3292621	4,90913	5,32322	-1,332457946	ENST00000600277	376497	XM_006722749	SLC27A1
A_23_P138665	13,126	13,5401	-1,332467181	ENST00000277865	2746	NM_005271	GLUD1
A_23_P360079	5,64361	6,05772	-1,332476417	ENST00000409213	344148	NM_207363	NCKAP5
A_21_P0005573	9,01015	9,42426	-1,332476417	N/A	N/A	N/A	Inc-PIK3CG-2
A_22_P00010560	6,85934	7,2735	-1,332522598	ENST00000493417	57720	NM_001287346	GPR107
A_33_P3347928	10,453	10,8673	-1,332651913	ENST00000295925	57018	NM_020307	CCNL1
A_33_P3315027	17,7581	18,1725	-1,332744289	ENST00000482216	N/A	N/A	N/A
A_19_P00320611	7,54153	7,95599	-1,332799717	N/A	101927151	XR_424964	LOC101927151
A_24_P937855	8,25058	8,66505	-1,332808956	ENST00000369528	80143	NM_001102396	SIKE1
A_33_P3413518	1,524	1,93848	-1,332818194	N/A	N/A	N/A	N/A
A_23_P8716	1,37479	1,78928	-1,332827433	ENST00000623829	26211	NM_012369	OR2F1
A_33_P3351264	1,39575	1,81027	-1,332855148	ENST00000585332	728361	N/A	OVOL3
A_21_P0005517	1,62395	2,03851	-1,332892103	ENST00000618028	N/A	N/A	N/A
A_32_P44775	9,13279	9,54741	-1,332947538	ENST00000473252	138241	NM_182505	C9orf85
A_22_P00015111	1,39258	1,80723	-1,332975256	ENST00000522123	N/A	BG209048	N/A
A_23_P37415	5,58813	6,00285	-1,333039934	ENST00000261847	9728	NM_014701	SECISBP2L
A_22_P00005524	2,44337	2,85833	-1,333261711	N/A	N/A	N/A	Inc-ECCL1-2
A_21_P0012473	7,96774	8,3828	-1,333354129	ENST00000423931	7716	NM_007146	VEZF1
A_24_P404245	9,18546	9,60063	-1,333455796	ENST00000572924	5833	NM_002861	PCYT2
A_23_P24535	9,07096	9,48615	-1,333474281	ENST00000464224	54970	NM_017868	TTC12
A_33_P3269338	10,4407	10,8559	-1,333483524	ENST00000587439	23354	NM_015302	HAUS5
A_23_P97795	8,76033	9,17554	-1,333492767	ENST00000476758	91452	NM_145698	ACBD5
A_22_P00009996	6,994	7,40927	-1,333548227	ENST00000612330	N/A	AK092875	N/A
A_23_P127406	6,19907	6,61435	-1,33355747	ENST00000610872	55693	NM_018039	KDM4D
A_32_P52330	7,94633	8,36177	-1,333705375	ENST00000269720	113230	NM_001291291	LOC113230

A_21_P0006315	1,74172	2,1572	-1,333742354	N/A	N/A	N/A	Inc-PAPPA-AS1-3
A_22_P00024899	1,43261	1,84814	-1,333788578	ENST00000524012	N/A	XR_133485	N/A
A_22_P00006182	3,10175	3,51733	-1,333834805	ENST00000515213	442497	NR_033960	LOC442497
A_33_P3229276	4,77052	5,18613	-1,333862541	ENST00000502939	54993	NM_001007072	ZSCAN2
A_24_P886040	8,81387	9,2295	-1,333881033	ENST00000389063	167227	NM_152624	DCP2
A_22_P00008384	2,61706	3,03273	-1,333918016	N/A	N/A	N/A	Inc-JARID2-1
A_33_P3326210	6,73743	7,15312	-1,333936508	ENST00000397418	157570	NM_001017420	ESCO2
A_22_P00010416	2,87441	3,29019	-1,334019726	ENST00000577679	284034	NR_034144	LINC00670
A_21_P0011684	9,52594	9,94191	-1,334195426	N/A	N/A	N/A	XLOC_I2_006665
A_23_P208358	17,2627	17,6789	-1,334408145	ENST00000560881	6158	NM_000991	RPL28
A_33_P3217534	5,59582	6,01206	-1,334445143	ENST00000401878	155435	NM_053043	RBM33
A_33_P3253070	4,49715	4,91352	-1,334565394	ENST00000368053	9439	NM_001270522	MED23
A_33_P3384667	6,83866	7,25507	-1,334602397	N/A	8816	NM_001284208	DCAF5
A_21_P0001237	1,64667	2,06312	-1,3346394	ENST00000436739	N/A	N/A	N/A
A_22_P00011089	1,50781	1,92432	-1,334694908	ENST00000448761	102723426	NR_110654	LINC01496
A_23_P379034	4,3626	4,77915	-1,334731914	ENST00000381669	80115	NM_025045	BAIAP2L2
A_32_P181297	7,6262	8,04279	-1,334768921	N/A	93653	NR_002330	ST7-AS1
A_22_P00000867	16,1253	16,5419	-1,334778173	ENST00000461111	375790	NM_198576	AGRN
A_32_P41487	16,9107	17,3274	-1,334870696	ENST00000619352	3151	NM_005517	HMG2
A_21_P0006855	4,04788	4,46473	-1,335009492	N/A	N/A	N/A	Inc-GJD4-1
A_19_P00317449	6,35224	6,76911	-1,335028	ENST00000343776	339500	NM_178549	ZNF678
A_24_P405430	7,82437	8,24128	-1,335065015	ENST00000433529	7072	NM_022173	TIA1
A_21_P0008190	1,70135	2,11838	-1,335176067	N/A	N/A	N/A	Inc-SLITRK1-1
A_19_P00321998	1,74751	2,16454	-1,335176067	N/A	N/A	N/A	XLOC_I2_013153
A_22_P00021164	6,29035	6,70742	-1,335213087	ENST00000426037	100289373	NR_036531	UBAC2-AS1
A_23_P370625	9,91324	10,3304	-1,335296384	ENST00000354177	57190	NM_020451	SEPN1
A_33_P3328903	1,3852	1,80237	-1,33530564	N/A	102724970	XM_006711085	LOC102724970
A_33_P3230788	6,43349	6,85069	-1,335333407	ENST00000374439	4593	N/A	MUSK
A_23_P151653	9,98211	10,3994	-1,335416712	ENST00000557181	328	NM_080649	APEX1
A_22_P00012340	2,78745	3,20484	-1,335509279	N/A	N/A	AF075065	Inc-PRDM14-1
A_23_P105118	1,82639	2,24378	-1,335509279	ENST00000321961	79324	NM_001005237	OR51G1
A_23_P141715	10,8635	11,2809	-1,335518536	ENST00000383056	25941	NM_015476	TPGS2
A_22_P00022623	3,53508	3,95252	-1,335555565	N/A	N/A	N/A	Inc-EIF4E1B-1

A_21_P0001505	1,3589	1,77635	-1,335564823	N/A	N/A	N/A	Inc-LRP8-1
A_24_P169386	1,34091	1,7584	-1,335601853	ENST00000610442	N/A	AK055413	N/A
A_22_P00025851	4,11327	4,53077	-1,335611111	N/A	N/A	BU160016	Inc-NUFIP2-1
A_21_P0010844	7,49832	7,91582	-1,335611111	N/A	N/A	N/A	XL0C_I2_001760
A_23_P8013	13,5528	13,9703	-1,335611111	ENST00000377401	8340	NM_003519	HIST1H2BL
A_22_P00005438	1,37671	1,79422	-1,335620368	N/A	N/A	N/A	Inc-DUOXA1-1
A_22_P00009172	9,09824	9,51577	-1,335638884	ENST00000565185	100507577	NR_040677	LOC100507577
A_21_P0002293	1,48831	1,90607	-1,335851834	ENST00000437751	389043	NR_036499	LINC01120
A_22_P00003323	1,50155	1,91932	-1,335861093	N/A	N/A	N/A	Inc-CASC1-1
A_23_P300100	2,63461	3,05253	-1,335999993	ENST00000375105	26279	BC025706	PLA2G2D
A_33_P3285809	7,93952	8,35747	-1,336027774	ENST00000490476	117178	NM_001166417	SSX2IP
A_33_P3284584	6,96603	7,38403	-1,336074078	ENST00000421078	N/A	N/A	N/A
A_23_P54116	11,5819	12	-1,336166691	ENST00000553307	23002	NM_014992	DAAM1
A_33_P3243702	7,59626	8,0144	-1,336203738	ENST00000409223	377007	NM_198582	KLHL30
A_33_P3498613	2,15561	2,57375	-1,336203738	ENST00000423374	N/A	N/A	N/A
A_21_P0005037	3,43509	3,85327	-1,336240786	N/A	102724168	XR_426066	LOC102724168
A_33_P3215575	9,40274	9,82095	-1,336268573	ENST00000375415	55160	NM_018125	ARHGEF10L
A_33_P3217495	5,29648	5,71472	-1,33629636	ENST00000330498	6524	NM_003041	SLC5A2
A_23_P392126	8,56903	8,98728	-1,336305622	ENST00000379103	201229	NM_001076680	LYRM9
A_33_P3373433	2,58617	3,00443	-1,336314885	N/A	N/A	N/A	N/A
A_22_P00006474	2,28496	2,70323	-1,336324148	N/A	N/A	N/A	Inc-FEV-1
A_19_P00809368	1,45684	1,87515	-1,336361199	ENST00000607746	101929623	NR_110028	LINC01215
A_23_P11256	1,65427	2,07262	-1,336398251	ENST00000373359	139599	NM_138703	MAGEE2
A_24_P926400	6,94009	7,35845	-1,336407515	ENST00000489772	26088	BC029388	GGA1
A_33_P3379482	2,07043	2,4889	-1,336509414	ENST00000586231	100130581	N/A	LINC00910
A_24_P781757	8,72752	9,14604	-1,336555735	N/A	148413	NR_015434	LOC148413
A_24_P751247	6,74848	7,16703	-1,336583528	N/A	N/A	BX117289	Inc-FOXI2-1
A_23_P121545	2,83697	3,25554	-1,336602057	ENST00000280187	2823	NM_201591	GPM6A
A_22_P00020380	1,41503	1,83363	-1,336629852	N/A	100506858	N/A	LOC100506858
A_19_P00319829	5,66963	6,08827	-1,336666911	ENST00000453454	220729	XR_425697	LOC220729
A_23_P141738	9,10152	9,52033	-1,336824427	ENST00000415083	6760	NM_001007559	SS18
A_22_P00010577	5,59701	6,01584	-1,336842959	N/A	100505538	NR_038991	RBM26-AS1
A_22_P00008556	1,43054	1,84943	-1,336898558	N/A	N/A	N/A	Inc-KCNMB2-8



A_33_P3377514	1,47732	1,89622	-1,336907825	ENST00000343060	3198	NM_005522	HOXA1
A_21_P0000807	1,64365	2,06265	-1,337000495	ENST00000517869	100130231	NR_038447	LINC00861
A_33_P3418371	5,04155	5,46063	-1,337074637	N/A	100129831	AY358234	EPWW6493
A_24_P374652	10,2277	10,6468	-1,337093172	ENST00000367142	64710	NM_022731	NUCKS1
A_23_P153236	13,7715	14,1906	-1,337093172	ENST00000600118	27243	NM_014453	CHMP2A
A_21_P0007226	1,52827	1,94746	-1,337176587	N/A	N/A	N/A	Inc-LRP5-1
A_21_P0010022	3,12519	3,54438	-1,337176587	ENST00000442440	100505683	NR_109884	LINC01431
A_33_P3390391	6,86376	7,28299	-1,337213662	ENST00000602258	29998	NM_015711	GLTSCR1
A_23_P400984	5,58211	6,00142	-1,337287815	ENST00000392202	200576	NM_001178000	PIKFYVE
A_23_P204702	14,1754	14,5948	-1,337371242	ENST00000547013	7009	NM_003217	TMBIM6
A_21_P0011778	2,58794	3,00735	-1,337380512	ENST00000413796	N/A	N/A	N/A
A_19_P00318443	2,20973	2,62915	-1,337389782	N/A	N/A	N/A	Inc-MAGI2-1
A_21_P0009353	1,46648	1,88603	-1,337510299	N/A	N/A	N/A	Inc-ABCA5-3
A_22_P00012594	10,4481	10,8677	-1,337556654	ENST00000564675	10073	NM_005701	SNUPN
A_33_P3305571	10,3063	10,7259	-1,337556654	ENST00000496281	8771	NM_003823	TNFRSF6B
A_23_P67278	5,03786	5,45746	-1,337556654	ENST00000301547	10224	NM_005815	ZNF443
A_22_P00002801	1,41404	1,83373	-1,337640098	N/A	N/A	DA215960	Inc-C2orf40-6
A_24_P225961	10,5334	10,9531	-1,337649369	ENST00000308775	1605	NM_004393	DAG1
A_24_P347480	11,4292	11,8489	-1,337649369	ENST00000238616	91754	NM_033116	NEK9
A_33_P3331853	1,54031	1,96022	-1,337844093	ENST00000396182	5137	NM_001191056	PDE1C
A_21_P0010540	1,39174	1,81166	-1,337853366	N/A	N/A	N/A	XLOC_I2_000339
A_22_P00009011	6,17574	6,59578	-1,337964651	N/A	N/A	N/A	Inc-LAT2-1
A_22_P00019505	1,50109	1,92118	-1,338011022	N/A	N/A	BG213430	Inc-KIAA1324L-2
A_24_P405621	9,9115	10,3317	-1,338113044	ENST00000489895	11188	NM_007184	NISCH
A_23_P344408	1,59249	2,01269	-1,338113044	ENST00000309894	1444	NM_022579	CSHL1
A_23_P383435	13,2781	13,6983	-1,338113044	ENST00000617922	9326	NM_004773	ZNHIT3
A_22_P00007383	1,51188	1,93209	-1,338122319	ENST00000514926	441374	NR_033962	FLJ42969
A_21_P0013666	1,63401	2,05434	-1,338233625	ENST00000447148	N/A	XR_242633	N/A
A_32_P95729	11,6319	12,0524	-1,338391326	ENST00000566615	55215	NM_018193	FANCI
A_22_P00000352	1,53449	1,955	-1,338400603	ENST00000558860	N/A	DA861405	N/A
A_23_P53137	4,72615	5,14667	-1,33840988	ENST00000620888	3047	NM_000559	HBG1
A_33_P3365553	3,02652	3,44707	-1,338437711	ENST00000420040	389634	NR_024420	LINC00937
A_33_P3412716	10,9991	11,4197	-1,338484099	ENST00000467688	N/A	N/A	N/A

A_33_P3351499	2,73247	3,15311	-1,33852121	ENST00000591685	N/A	N/A	N/A
A_23_P25587	2,6606	3,08128	-1,338558322	ENST00000377962	11061	NM_007015	LECT1
A_21_P0012355	1,51871	1,93947	-1,33863255	N/A	101929416	XR_249026	LOC101929416
A_21_P0002575	3,4631	3,88389	-1,338660386	N/A	N/A	N/A	Inc-KCNS3-4
A_21_P0011306	13,3674	13,7882	-1,338669665	ENST00000592456	9144	NM_004710	SYNGR2
A_33_P3268900	14,1936	14,6145	-1,338762458	N/A	665	AF370457	BNIP3L
A_23_P252155	10,9741	11,3951	-1,338855257	ENST00000407982	55342	NM_018387	STRBP
A_24_P400355	11,9591	12,3801	-1,338855257	ENST00000265857	51608	NM_015949	GET4
A_33_P3363316	3,42624	3,84727	-1,338883098	ENST00000416824	255031	NR_015401	LINC00957
A_21_P0009712	3,28989	3,71094	-1,338901659	ENST00000589967	100996681	XR_158931	LOC100996681
A_21_P0006981	3,51311	3,93419	-1,338929501	N/A	N/A	N/A	Inc-ZNF438-3
A_23_P29575	13,0866	13,5077	-1,338948063	ENST00000256441	92259	NM_033281	MRPS36
A_22_P00020576	6,95278	7,37393	-1,338994468	ENST00000619240	9455	N/A	HOMER2
A_21_P0000386	7,88584	8,307	-1,339003749	N/A	692205	NR_003070	SNORD89
A_21_P0009683	1,48594	1,90716	-1,339059438	N/A	N/A	N/A	Inc-ZNF333-3
A_33_P3571824	3,22561	3,64701	-1,339226518	ENST00000610621	9437	NM_004829	NCR1
A_23_P427296	1,59241	2,01386	-1,339272933	N/A	100132319	AF315716	LOC100132319
A_22_P00008113	4,65091	5,07238	-1,339291499	N/A	N/A	N/A	Inc-IL21R-1
A_24_P93896	1,48726	1,90874	-1,339300782	ENST00000369875	54805	NM_199077	CNNM2
A_23_P45361	11,4427	11,8642	-1,339319349	ENST00000328078	2747	NM_012084	GLUD2
A_22_P00013174	2,78627	3,20778	-1,339328633	N/A	N/A	N/A	Inc-RNF139-1
A_21_P0000142	4,49855	4,92006	-1,339328633	ENST00000465629	7844	NM_001198952	RNF103
A_22_P00023762	2,52151	2,94307	-1,339375051	ENST00000550470	N/A	CR745651	N/A
A_23_P94546	7,12679	7,54836	-1,339384335	ENST00000376362	80318	NM_025211	GKAP1
A_23_P252462	2,28226	2,70389	-1,33944004	ENST00000541995	50614	NM_021808	GALNT9
A_22_P00020057	2,21132	2,63296	-1,339449324	ENST00000543490	200726	NM_001102659	LOC200726
A_22_P00000222	6,69816	7,11983	-1,339477177	N/A	100506585	NR_038966	LOC100506585
A_23_P421526	3,00067	3,42247	-1,339597882	ENST00000328248	146852	NM_153007	ODF4
A_33_P3317168	6,64924	7,07106	-1,339616453	ENST00000369805	79574	NM_139053	EPS8L3
A_21_P0006368	1,50313	1,92515	-1,339802176	N/A	N/A	N/A	Inc-TLR4-2
A_33_P3213512	3,84026	4,26237	-1,33988576	N/A	N/A	N/A	N/A
A_22_P00014082	1,57191	1,99403	-1,339895047	N/A	79804	NR_003679	HAND2-AS1
A_21_P0007542	3,30036	3,72256	-1,339969349	N/A	N/A	N/A	Inc-ALG10B-2

A_22_P00023055	3,56464	3,98687	-1,339997213	N/A	N/A	N/A	Inc-RGMA-5
A_21_P0001558	1,36742	1,78966	-1,340006501	ENST00000416343	100128787	NR_038914	LINC01349
A_22_P00003379	2,04363	2,46587	-1,340006501	ENST00000579651	N/A	AK026731	N/A
A_21_P0005971	5,21687	5,63914	-1,340034366	N/A	N/A	N/A	Inc-RBM12B-2
A_33_P3231120	5,00929	5,43156	-1,340034366	ENST00000618861	64921	NM_022900	CASD1
A_21_P0009309	1,36664	1,78893	-1,340052943	N/A	N/A	N/A	Inc-SEZ6-2
A_21_P0013988	3,63923	4,06157	-1,340099386	N/A	N/A	N/A	N/A
A_33_P3345812	4,12339	4,54573	-1,340099386	ENST00000619052	2852	NM_001039966	GPER1
A_22_P00008475	2,35443	2,77679	-1,340117964	ENST00000527819	N/A	N/A	N/A
A_19_P00327035	6,50446	6,92687	-1,34016441	ENST00000433161	768096	NR_003244	HAR1A
A_23_P85963	1,55409	1,97651	-1,340173699	ENST00000302617	391112	NM_001005189	OR6Y1
A_23_P452	1,82663	2,24907	-1,340192278	ENST00000367921	4921	NM_001014796	DDR2
A_33_P3645465	8,34047	8,76292	-1,340201568	N/A	282997	NR_026932	PDCD4-AS1
A_21_P0002476	2,11903	2,54151	-1,340229437	N/A	N/A	N/A	Inc-C2orf55-1
A_23_P118571	1,50213	1,92462	-1,340238727	ENST00000301691	50964	NM_025237	SOST
A_33_P3297921	11,8895	12,3121	-1,340340919	ENST00000336230	51253	NM_016491	MRPL37
A_33_P3228212	1,62361	2,04629	-1,340415245	N/A	N/A	N/A	N/A
A_22_P00007895	3,44397	3,8667	-1,340461701	N/A	N/A	DB451431	Inc-HSP90AA1-1
A_22_P00002849	1,76201	2,18477	-1,340489575	ENST00000437047	N/A	N/A	N/A
A_32_P130630	5,16174	5,58459	-1,340573202	ENST00000261187	9194	NM_004731	SLC16A7
A_22_P00013853	1,65891	2,08188	-1,340684713	ENST00000583854	100134391	NM_001278587	LOC100134391
A_21_P0003389	1,4178	1,84078	-1,340694005	ENST00000420701	N/A	N/A	N/A
A_33_P3399107	9,44648	9,8695	-1,340731178	ENST00000466394	5297	NM_058004	PI4KA
A_19_P00802954	3,24606	3,66909	-1,340740471	N/A	441239	XM_006726448	LOC441239
A_23_P89921	7,76892	8,19196	-1,340749765	ENST00000592095	7733	NM_013256	ZNF180
A_33_P3237874	8,96522	9,38828	-1,340768351	ENST00000380327	10024	NM_001100620	TROAP
A_23_P145485	11,7106	12,1338	-1,340898467	ENST00000367351	80328	NM_025217	ULBP2
A_22_P00004225	1,53523	1,95852	-1,340982119	N/A	N/A	N/A	Inc-CLVS1-2
A_22_P00011144	1,72746	2,15076	-1,340991414	N/A	N/A	N/A	Inc-NYX-1
A_33_P3291541	7,25061	7,67399	-1,341065776	ENST00000489135	255104	NM_181719	TMCO4
A_22_P00019010	3,58037	4,00375	-1,341065776	N/A	100507071	XR_110863	LOC100507071
A_23_P352266	7,49195	7,91548	-1,341205217	ENST00000398117	596	NM_000633	BCL2
A_33_P3217307	2,59986	3,02343	-1,341242404	N/A	339487	AY158005	ZBTB8OS

A_33_P3331095	5,43804	5,86161	-1,341242404	ENST00000388807	222255	XM_006715900	ATXN7L1
A_22_P00012510	1,3685	1,79212	-1,341288888	N/A	N/A	N/A	Inc-PSMB7-1
A_33_P3272673	3,11619	3,53989	-1,341363267	N/A	N/A	AF151083	N/A
A_23_P71037	5,11711	5,54082	-1,341372565	ENST00000485300	3569	NM_000600	IL6
A_22_P00011046	3,61691	4,04064	-1,34139116	N/A	N/A	AF147335	Inc-NTN3-1
A_23_P252808	11,4894	11,9132	-1,341456247	ENST00000494741	23559	NM_012477	WBP1
A_21_P0009211	1,39777	1,8216	-1,341484142	ENST00000608984	N/A	N/A	N/A
A_23_P211522	8,58708	9,01091	-1,341484142	ENST00000381535	9145	NM_145738	SYNGR1
A_21_P0003413	1,53182	1,95566	-1,34149344	ENST00000513711	N/A	N/A	N/A
A_21_P0011964	1,37007	1,79393	-1,341512037	ENST00000444030	N/A	N/A	N/A
A_23_P256735	6,72828	7,15222	-1,341586429	ENST00000220763	10404	NM_016134	CPQ
A_33_P3372667	5,8422	6,26629	-1,341725923	N/A	N/A	N/A	Inc-VIP-1
A_33_P3271530	4,43399	4,85815	-1,341791026	ENST00000485830	80055	NM_024989	PGAP1
A_23_P162120	9,78658	10,2109	-1,341939844	ENST00000616538	4926	NM_006185	NUMA1
A_23_P110243	9,10076	9,52512	-1,341977051	ENST00000388822	57721	XM_005263166	METT14
A_23_P90722	2,55927	2,98365	-1,341995655	ENST00000497977	5798	NM_002846	PTPRN
A_22_P00016470	1,38645	1,81086	-1,342023561	ENST00000517583	101927774	NR_121672	LINC00824
A_22_P00001508	3,64532	4,0699	-1,342181708	ENST00000569920	102723510	NR_120306	LCMT1-AS1
A_23_P26777	11,4645	11,8891	-1,342200314	ENST00000245544	79902	NM_024844	NUP85
A_33_P3310159	1,34403	1,76864	-1,342209618	ENST00000402815	1607	NM_004080	DGKB
A_21_P0014774	3,11128	3,53593	-1,342246832	N/A	N/A	N/A	N/A
A_19_P00318183	4,72656	5,15122	-1,342256136	ENST00000508732	400456	NR_034095	LINC01197
A_33_P3419557	4,21368	4,63837	-1,342284048	ENST00000383695	403277	NM_001005516	OR5K3
A_33_P3245126	6,22786	6,65256	-1,342293352	N/A	N/A	N/A	N/A
A_33_P3382399	5,06958	5,49432	-1,342330568	ENST00000580358	83896	NM_031958	KRTAP3-1
A_21_P0007897	1,614	2,03887	-1,34245153	N/A	N/A	N/A	Inc-DHX37-5
A_21_P0007145	5,05384	5,47876	-1,342498057	ENST00000413292	5526	N/A	PPP2R5B
A_33_P3560176	1,41463	1,83957	-1,342516668	N/A	N/A	BX096849	N/A
A_33_P3233030	11,9578	12,3828	-1,342572503	ENST00000402485	N/A	N/A	N/A
A_33_P3333542	1,71545	2,14045	-1,342572503	N/A	N/A	AF289601	N/A
A_23_P133123	10,0488	10,4738	-1,342572503	ENST00000622785	84057	NM_032117	MND1
A_22_P00021018	1,70909	2,13411	-1,342591115	ENST00000584608	N/A	DA481142	N/A
A_21_P0004676	2,39936	2,82439	-1,342600421	ENST00000444910	387111	NR_033376	LINC00222

A_33_P3368636	14,2943	14,7194	-1,342665566	ENST00000513369	N/A	N/A	N/A
A_33_P3334155	2,66385	3,08897	-1,342684179	N/A	100652791	AK127831	GS1-24F4.2
A_22_P00001540	6,31628	6,74143	-1,3427121	N/A	N/A	N/A	Inc-ARHGEF2-2
A_22_P00014044	1,58475	2,00992	-1,342730714	ENST00000415532	N/A	N/A	N/A
A_23_P385206	10,8042	11,2295	-1,342851712	ENST00000373943	23673	NM_177424	STX12
A_32_P207169	8,571	8,99638	-1,342926177	N/A	574036	NR_024337	SERTAD4-AS1
A_22_P00002078	1,36736	1,79283	-1,343009956	N/A	N/A	N/A	Inc-BMP2K-1
A_24_P256415	3,66202	4,08752	-1,343037884	N/A	100128288	NR_024447	LOC100128288
A_22_P00024607	3,66909	4,09474	-1,343177529	ENST00000438633	N/A	N/A	N/A
A_22_P00011059	2,39294	2,81859	-1,343177529	ENST00000547033	N/A	BG210412	N/A
A_32_P192970	6,60813	7,03379	-1,34318684	ENST00000454547	8659	NM_170726	ALDH4A1
A_21_P0007032	1,99704	2,42279	-1,343270634	N/A	N/A	N/A	Inc-EBF3-7
A_33_P3382949	1,38852	1,81433	-1,343326501	N/A	N/A	N/A	N/A
A_23_P255503	8,23104	8,65692	-1,343391681	ENST00000527958	5049	NM_002572	PAFAH1B2
A_23_P96976	11,4356	11,8615	-1,343410304	ENST00000479629	51538	NM_016505	ZCCHC17
A_23_P4144	12,2808	12,7067	-1,343410304	ENST00000590958	80347	NM_025233	COASY
A_23_P23171	6,55289	6,97881	-1,343428928	ENST00000373210	192670	NM_017629	AGO4
A_33_P3236157	12,7693	13,1953	-1,343503426	ENST00000539287	7374	NM_003362	UNG
A_22_P00015815	3,6284	4,05441	-1,343512738	N/A	790953	NR_122123	TSL
A_23_P368996	9,72247	10,1485	-1,343531363	ENST00000611111	115399	NM_198075	LRRC56
A_21_P0010280	3,84851	4,27465	-1,343633806	N/A	N/A	N/A	Inc-PSMG1-5
A_23_P146922	7,84065	8,2668	-1,34364312	ENST00000327773	2621	NM_000820	GAS6
A_33_P3392405	1,41826	1,84447	-1,343699002	ENST00000472542	387695	NM_207373	C10orf99
A_33_P3395713	7,6526	8,07883	-1,343717629	ENST00000446924	54014	NM_018963	BRWD1
A_23_P27795	16,4415	16,8678	-1,343782828	ENST00000585357	10653	NM_021102	SPINT2
A_19_P00316326	10,3916	10,818	-1,343875976	ENST00000447637	9175	NM_001242317	MAP3K13
A_22_P00003529	3,67135	4,09776	-1,343885291	N/A	N/A	N/A	Inc-CCNB2-1
A_21_P0008812	1,73323	2,15968	-1,343922552	N/A	N/A	N/A	Inc-C15orf2-8
A_24_P77904	8,71244	9,13892	-1,343950498	ENST00000521421	3206	NM_018951	HOXA10
A_22_P00013647	3,01461	3,44139	-1,344229994	ENST00000507989	N/A	N/A	N/A
A_22_P00008806	1,42321	1,85002	-1,344257946	N/A	N/A	N/A	Inc-KL-3
A_21_P0001469	3,59529	4,02212	-1,344276582	N/A	N/A	N/A	Inc-C1orf195-3
A_21_P0013012	2,6918	3,11864	-1,3442859	N/A	N/A	N/A	XLOC_l2_012397

A_33_P3231888	10,1556	10,5825	-1,344341808	ENST00000231512	56951	NM_020199	C5orf15
A_33_P3258117	7,85098	8,27789	-1,344351127	ENST00000394045	3070	NM_001289072	HELLS
A_24_P236091	5,34057	5,76759	-1,344453632	ENST00000535366	2026	NM_001975	ENO2
A_24_P265506	1,47104	1,89811	-1,344500228	ENST00000534682	4914	NM_002529	NTRK1
A_22_P00012358	1,51585	1,94292	-1,344500228	ENST00000504620	N/A	N/A	N/A
A_21_P0007073	6,03925	6,46634	-1,344518867	N/A	N/A	N/A	Inc-SCD-1
A_33_P3366082	12,5799	13,007	-1,344528187	ENST00000242827	84650	NM_032565	EBPL
A_33_P3323914	6,29746	6,72456	-1,344528187	N/A	N/A	N/A	N/A
A_33_P3216610	12,47	12,8971	-1,344528187	ENST00000618855	56649	NM_001290094	TMPRSS4
A_24_P462899	11,4565	11,8837	-1,344621385	ENST00000368325	387103	NM_001012507	CENPW
A_32_P132438	12,3298	12,757	-1,344621385	ENST00000621116	8165	NM_003488	AKAP1
A_23_P61447	9,58104	10,0083	-1,344677308	ENST00000506422	2110	NM_004453	ETFHD
A_22_P00010898	1,69119	2,11852	-1,344742553	ENST00000435492	N/A	N/A	N/A
A_33_P3349651	9,67736	10,1047	-1,344751875	ENST00000318950	23075	NM_015055	SWAP70
A_22_P00017060	6,78398	7,21134	-1,344770517	ENST00000468964	101	NM_001164489	ADAM8
A_22_P00015195	9,81851	10,2459	-1,344798481	N/A	100996842	XR_433332	LOC100996842
A_33_P3348469	6,14106	6,56847	-1,344817124	N/A	81573	NM_030816	ANKRD13C
A_21_P0001275	2,40413	2,83162	-1,344891698	N/A	N/A	N/A	Inc-EPB41-1
A_33_P3274184	3,21081	3,63832	-1,344910343	N/A	N/A	N/A	N/A
A_24_P13083	1,68951	2,11705	-1,34493831	ENST00000520358	90139	NM_130783	TSPAN18
A_33_P3288074	6,47812	6,90571	-1,344984922	N/A	N/A	BC019017	Inc-ATG2B-2
A_22_P00007454	1,59444	2,02206	-1,345012891	N/A	N/A	N/A	Inc-GTDC1-3
A_22_P00006643	1,68607	2,1137	-1,345022214	ENST00000550024	N/A	N/A	N/A
A_22_P00001984	1,35017	1,77783	-1,345050183	ENST00000555595	N/A	BG982821	N/A
A_22_P00007447	3,72654	4,15422	-1,34506883	N/A	100506444	NR_125918	LOC100506444
A_21_P0014283	1,70736	2,13507	-1,3450968	N/A	N/A	AK092621	N/A
A_33_P3413384	2,89172	3,31948	-1,345143418	N/A	N/A	N/A	N/A
A_21_P0012616	7,59729	8,02505	-1,345143418	N/A	N/A	N/A	XLOC_I2_010854
A_21_P0010278	1,63698	2,06475	-1,345152742	N/A	N/A	N/A	Inc-PIGP-1
A_33_P3289162	3,46719	3,89499	-1,345180714	ENST00000484110	11037	AK128867	STON1
A_24_P767901	1,38332	1,81118	-1,34523666	ENST00000514414	N/A	N/A	N/A
A_23_P137361	9,37962	9,80748	-1,34523666	ENST00000471223	49856	NM_017818	WRAP73
A_22_P00020910	5,62604	6,05398	-1,345311257	N/A	100507564	NR_038953	LOC100507564

A_33_P3289661	2,36099	2,78896	-1,345339233	N/A	100128298	AF314543	OCR1
A_21_P0014464	1,45748	1,88554	-1,345423162	N/A	100507201	NR_110161	LOC100507201
A_23_P65481	10,835	11,2631	-1,345460466	ENST00000555008	7011	NM_007110	TEP1
A_33_P3309799	4,86585	5,29397	-1,345479118	ENST00000354038	10107	NM_006778	TRIM10
A_21_P0008964	5,43927	5,8674	-1,345488444	N/A	N/A	N/A	Inc-CDH3-1
A_23_P155417	8,59938	9,02753	-1,345507096	ENST00000361143	84836	NM_032750	ABHD14B
A_21_P0005820	1,3562	1,78443	-1,345581709	ENST00000519764	N/A	N/A	N/A
A_33_P3307887	1,35202	1,78027	-1,345600363	N/A	100128653	XR_108727	LOC100128653
A_22_P00015940	5,50543	5,93371	-1,345628344	N/A	728558	NR_038444	ENTPD1-AS1
A_21_P0014738	5,67848	6,10679	-1,345656326	N/A	101930282	XR_250610	LOC101930282
A_33_P3415551	1,51085	1,93917	-1,345665654	ENST00000486463	150763	NM_207328	GPAT2
A_33_P3221253	7,69079	8,11927	-1,345814901	ENST00000616304	4026	NM_005578	LPP
A_23_P2801	10,4184	10,8469	-1,345833558	ENST00000239882	1997	NM_172373	ELF1
A_33_P3396120	4,61963	5,04815	-1,345852215	ENST00000575779	84622	NM_032530	ZNF594
A_33_P3290602	12,6594	13,088	-1,345926847	N/A	101410538	NR_102705	MMP24-AS1
A_22_P00015225	2,77147	3,2001	-1,345954835	N/A	N/A	N/A	Inc-SP140-4
A_33_P3355040	5,44859	5,87723	-1,345964165	N/A	728903	AK093722	LOC728903
A_33_P3324980	3,41097	3,83969	-1,346038803	ENST00000309334	84159	NM_032199	ARID5B
A_22_P00019972	3,20258	3,63131	-1,346048133	N/A	101929865	XR_253639	LOC101929865
A_23_P6771	8,42144	8,85024	-1,346113445	ENST00000157600	29995	NM_014583	LMCD1
A_22_P00020679	10,7541	11,183	-1,346206754	N/A	N/A	DA300903	Inc-MFSD6-1
A_33_P3217147	5,26398	5,69292	-1,346244079	ENST00000361720	63906	NM_022078	GPATCH3
A_33_P3418414	1,6477	2,07665	-1,346253411	ENST00000483058	257202	NM_182701	GPX6
A_22_P00019974	1,46504	1,89405	-1,346309401	ENST00000455174	N/A	N/A	N/A
A_23_P103968	10,9205	11,3496	-1,346393391	ENST00000361640	22977	NM_012067	AKR7A3
A_32_P790284	3,54912	3,97823	-1,346402723	ENST00000245121	83473	NM_031303	KATNAL2
A_24_P941359	1,44996	1,8791	-1,346430721	ENST00000259698	9750	NM_014722	FAM65B
A_23_P311358	6,58749	7,01666	-1,34645872	ENST00000610704	8427	XM_006716151	ZNF282
A_23_P12635	11,6969	12,1262	-1,346580054	ENST00000224862	79176	NM_024326	FBXL15
A_24_P115007	8,51909	8,94857	-1,346748072	ENST00000357578	7915	NM_170740	ALDH5A1
A_22_P00000861	3,72087	4,15039	-1,346785412	N/A	N/A	N/A	Inc-AGPAT6-1
A_21_P0000710	2,1714	2,60093	-1,346794748	N/A	387065	NR_037938	HMGA1P7
A_23_P394323	3,07858	3,50816	-1,346841425	N/A	283742	AK095745	FAM98B

A_23_P109677	14,5436	14,9732	-1,346860096	ENST00000496953	N/A	N/A	N/A
A_22_P00003395	6,06394	6,49358	-1,34689744	N/A	102725059	XR_433694	LOC102725059
A_22_P00006851	1,58015	2,00979	-1,34689744	N/A	100873978	XR_425584	RBMS3-AS2
A_21_P0011490	2,9516	3,38124	-1,34689744	ENST00000567330	N/A	N/A	N/A
A_32_P103291	11,2621	11,6919	-1,347046824	ENST00000490322	64754	NM_022743	SMYD3
A_23_P3994	12,7171	13,1469	-1,347046824	ENST00000575427	254863	NM_152766	TMEM256
A_23_P154345	10,7308	11,1607	-1,347140197	ENST00000622246	26275	NM_014362	HIBCH
A_33_P3338793	4,83863	5,26863	-1,347233577	ENST00000477616	3748	NM_004977	KCNC3
A_23_P149419	9,23337	9,66348	-1,347336302	ENST00000361720	63906	NM_022078	GPATCH3
A_22_P00004879	4,70237	5,13251	-1,34736432	N/A	N/A	N/A	Inc-CYS1-2
A_23_P58464	1,6183	2,04845	-1,347373659	ENST00000231136	56130	NM_018939	PCDHB6
A_21_P0014831	1,36515	1,79548	-1,347541776	ENST00000375625	N/A	XR_133576	N/A
A_24_P405002	8,3344	8,76478	-1,347588479	ENST00000619836	149420	NM_152835	PDIK1L
A_23_P257231	2,13459	2,56505	-1,347663208	ENST00000411864	64850	NM_031279	ETNPPL
A_23_P120048	8,49766	8,92817	-1,347709915	ENST00000392783	29994	NM_013450	BAZ2B
A_33_P3238685	7,30158	7,73212	-1,34773794	ENST00000380013	54790	NM_001127208	TET2
A_21_P0000336	8,58569	9,01627	-1,347775308	N/A	677833	NR_002982	SNORA54
A_23_P42784	5,35472	5,78537	-1,347840704	ENST00000354639	56164	NM_032944	STK31
A_33_P3288209	2,02062	2,4513	-1,347868732	ENST00000441149	1759	AB209124	DNM1
A_33_P3319760	13,2039	13,6347	-1,347980849	ENST00000397334	8407	NM_001277224	TAGLN2
A_33_P3302125	3,18246	3,6134	-1,348111664	ENST00000368779	353139	NM_178428	LCE2A
A_22_P00001091	1,3478	1,77879	-1,348158387	ENST00000538025	N/A	N/A	N/A
A_21_P0005151	1,48934	1,92042	-1,348242492	N/A	N/A	N/A	Inc-EXOC2-8
A_21_P0008856	6,05834	6,48946	-1,348279874	ENST00000560626	79834	N/A	PEAK1
A_21_P0012709	3,77445	4,20559	-1,348298565	N/A	N/A	N/A	XLOC_I2_011424
A_23_P337155	4,02036	4,45153	-1,348326602	ENST00000395739	146691	NM_001082968	TOM1L2
A_33_P3378056	4,70941	5,1407	-1,348438758	ENST00000478375	7020	M61156	TFAP2A
A_33_P3337569	1,34718	1,77853	-1,348494839	ENST00000509633	401137	NM_214711	PRR27
A_23_P96087	10,4891	10,9205	-1,348541575	ENST00000333762	8971	NM_006026	H1FX
A_23_P140035	10,3641	10,7955	-1,348541575	ENST00000379487	11193	NM_007187	WBP4
A_22_P00008737	6,58492	7,01634	-1,34856027	N/A	N/A	BC071821	Inc-KIAA1755-6
A_23_P379789	1,60478	2,03643	-1,34877528	ENST00000315087	29906	NM_013305	ST8SIA5
A_21_P0002571	2,11755	2,54926	-1,348831375	N/A	N/A	N/A	Inc-ID2-1



A_33_P3267270	5,19322	5,62498	-1,348878123	ENST00000371331	127428	NM_153035	TCEANC2
A_21_P0006495	3,65154	4,08336	-1,348934222	N/A	N/A	N/A	Inc-TIMP1-1
A_33_P3215367	4,00826	4,44023	-1,349074481	N/A	N/A	AK126800	N/A
A_22_P00008008	2,47769	2,90968	-1,349093183	ENST00000540761	N/A	N/A	N/A
A_23_P500353	3,18408	3,61609	-1,349111886	ENST00000610748	3781	NM_021614	KCNN2
A_22_P00020246	3,00315	3,43523	-1,349177347	N/A	N/A	N/A	Inc-GPR55-2
A_33_P3283646	3,24738	3,67949	-1,349205402	N/A	N/A	N/A	N/A
A_32_P70927	4,17199	4,60413	-1,349233458	ENST00000374968	203569	NM_207339	PAGE2
A_21_P0003683	1,3964	1,82854	-1,349233458	N/A	N/A	N/A	Inc-CEP44-5
A_23_P351138	5,00898	5,44116	-1,349270868	ENST00000445369	9080	NM_020982	CLDN9
A_33_P3290338	11,3117	11,7439	-1,349289573	ENST00000366792	142	NM_001618	PARP1
A_33_P3300941	1,73958	2,1718	-1,349308278	N/A	246734	AF156973	NPCDR1
A_33_P3407643	1,34065	1,77316	-1,349579533	ENST00000338832	349633	NM_001145024	PLET1
A_33_P3246927	1,38946	1,822	-1,349607597	ENST00000373377	114784	AK122603	CSMD2
A_22_P00025731	1,6099	2,04244	-1,349607597	N/A	101928819	XR_249795	LOC101928819
A_22_P00019886	5,88085	6,31339	-1,349607597	N/A	101927219	NR_109949	HNF4A-AS1
A_33_P3250333	2,83634	3,26892	-1,349645017	ENST00000497783	196385	NM_207437	DNAH10
A_23_P34142	11,7258	12,1584	-1,349663727	ENST00000372656	51186	NM_016303	WBP5
A_23_P161091	8,90736	9,33998	-1,349682437	ENST00000373329	79830	NM_024772	ZMYM1
A_33_P3212500	3,41608	3,84871	-1,349691793	N/A	100129060	AK127934	SEMA3F-AS1
A_21_P0010861	4,81338	5,24608	-1,349757282	ENST00000458682	387644	N/A	LINC00202-1
A_33_P3406939	7,79341	8,22614	-1,34978535	ENST00000379166	347240	NM_194313	KIF24
A_23_P128073	13,3402	13,773	-1,349850843	ENST00000267064	6601	NM_139067	SMARCC2
A_23_P7873	12,4836	12,9164	-1,349850843	ENST00000616552	4172	NM_002388	MCM3
A_23_P140375	1,46996	1,90277	-1,3498602	ENST00000298352	58157	NM_021257	NGB
A_33_P3308586	3,09035	3,52325	-1,349944411	ENST00000604182	503835	NM_001012729	DUXA
A_33_P3373358	3,41492	3,84785	-1,349972482	ENST00000426548	10052	NM_005497	GJC1
A_22_P00017626	1,39991	1,83287	-1,350000555	ENST00000510459	N/A	N/A	N/A
A_33_P3627001	7,2735	7,70658	-1,350112849	ENST00000256404	157310	NM_144962	PEBP4
A_22_P00008949	5,00471	5,43781	-1,350131566	N/A	101928689	N/A	LINC01424
A_22_P00023878	1,60902	2,04221	-1,350215794	ENST00000568659	N/A	BX106581	N/A
A_22_P00017414	3,12722	3,56043	-1,350234512	ENST00000510203	N/A	N/A	N/A
A_22_P00011497	7,17489	7,60816	-1,350290668	ENST00000454307	N/A	BX103087	N/A

A_24_P354689	4,97783	5,4111	-1,350290668	ENST00000282223	6695	NM_004598	SPOCK1
A_23_P426472	7,89822	8,33152	-1,350318747	ENST00000589703	7596	NM_003425	ZNF45
A_33_P3402646	2,51958	2,95288	-1,350318747	ENST00000390435	N/A	AB305746	N/A
A_24_P66838	3,43444	3,86775	-1,350328107	ENST00000434035	N/A	N/A	N/A
A_22_P00015652	6,12767	6,56105	-1,350393626	ENST00000585025	N/A	N/A	N/A
A_32_P199462	1,64625	2,07966	-1,350421707	ENST00000341287	389073	NM_001099334	C2orf80
A_22_P00007827	2,07684	2,51045	-1,350608929	ENST00000538710	N/A	BG686031	N/A
A_21_P0005521	9,51307	9,94671	-1,350637014	N/A	100216545	NR_024586	KMT2E-AS1
A_21_P0010313	3,3115	3,74519	-1,350683824	N/A	N/A	N/A	Inc-MX1-3
A_24_P27412	8,71395	9,1477	-1,350739999	ENST00000569817	10073	NM_005701	SNUPN
A_23_P419107	5,38712	5,8209	-1,350768087	ENST00000299045	255394	NM_152772	TCP11L2
A_23_P119295	11,576	12,0098	-1,350786813	ENST00000585898	51295	NM_016581	ECSIT
A_23_P320578	10,7619	11,1958	-1,350880445	ENST00000367558	6004	NM_002928	RGS16
A_23_P121141	8,02652	8,46052	-1,350974085	ENST00000504964	28990	NM_014065	ASTE1
A_22_P00012349	1,49096	1,92498	-1,350992813	ENST00000513155	101928918	XR_244661	LOC101928918
A_33_P3290522	1,50288	1,93692	-1,351011542	ENST00000550378	N/A	N/A	N/A
A_33_P3404588	8,46194	8,89599	-1,351020907	ENST00000395740	121512	NM_139241	FGD4
A_33_P3252414	8,07401	8,5081	-1,351058365	ENST00000381178	7054	NM_199292	TH
A_24_P19810	11,6628	12,0969	-1,35106773	ENST00000482168	79717	NM_024664	PPCS
A_24_P42014	17,157	17,5911	-1,35106773	ENST00000401715	N/A	N/A	N/A
A_22_P00006555	1,99335	2,42777	-1,35136744	N/A	N/A	N/A	Inc-FLNB-2
A_23_P379692	2,33923	2,77366	-1,351376807	ENST00000556047	283579	NM_174943	C14orf178
A_33_P3373388	1,54583	1,98026	-1,351376807	ENST00000437025	2554	NM_001127644	GABRA1
A_21_P0011329	1,39519	1,82974	-1,351489216	ENST00000558147	283673	N/A	EWSAT1
A_21_P0006989	2,63184	3,06642	-1,35151732	ENST00000452578	101929465	XR_246526	LOC101929465
A_22_P00001260	2,25849	2,69309	-1,351536056	N/A	102724712	XR_424263	LOC102724712
A_33_P3809497	1,36106	1,79581	-1,351676585	ENST00000614177	400087	NR_033987	FLJ37505
A_24_P256404	5,40215	5,83693	-1,351704693	N/A	100133616	AK093202	LOC100133616
A_33_P3326483	1,58347	2,01839	-1,351835869	ENST00000299529	1381	NM_004378	CRABP1
A_32_P10100	13,6361	14,0711	-1,351910833	N/A	N/A	N/A	N/A
A_21_P0004883	7,3819	7,81692	-1,351929575	N/A	N/A	N/A	Inc-UBR2-1
A_32_P173662	1,54074	1,97581	-1,35197643	ENST00000339139	7180	NM_003296	CRISP2
A_23_P27147	16,0504	16,4855	-1,352004544	ENST00000579978	51529	NM_001002244	ANAPC11

A_33_P3405957	10,3332	10,7683	-1,352004544	ENST00000334801	283149	NM_182557	BCL9L
A_21_P0001702	3,92975	4,36496	-1,352107633	N/A	N/A	N/A	Inc-CHD1L-1
A_22_P00001252	5,73228	6,16756	-1,352173239	N/A	N/A	N/A	Inc-ANKRD34B-1
A_23_P385861	10,8989	11,3342	-1,352191984	ENST00000521098	157313	NM_152562	CDCA2
A_22_P00003658	1,69468	2,13003	-1,352238848	ENST00000446055	N/A	BX092573	N/A
A_33_P3408962	4,3602	4,79559	-1,352276341	ENST00000354534	6334	NM_014191	SCN8A
A_22_P00021301	2,83887	3,27428	-1,352295088	N/A	N/A	AK096356	Inc-ATP4B-1
A_24_P944144	9,10043	9,53589	-1,352341955	ENST00000395340	11083	NM_080797	DIDO1
A_23_P431569	9,14501	9,5805	-1,352370077	N/A	100049716	NR_122124	LOC100049716
A_23_P99642	5,72128	6,15681	-1,352407573	ENST00000554061	9056	NM_001126106	SLC7A7
A_22_P00020414	5,45881	5,89442	-1,352482569	N/A	N/A	N/A	Inc-TTC7B-2
A_32_P79483	3,99668	4,43231	-1,352501318	ENST00000606448	283481	NR_036487	FGF14-AS2
A_22_P00022398	1,50227	1,93794	-1,352538818	N/A	100874031	NR_046730	AGBL5-AS1
A_23_P86216	14,5726	15,0083	-1,352566943	ENST00000477897	5686	NM_002790	PSMA5
A_23_P11598	6,011	6,44672	-1,352585694	ENST00000493756	127396	NM_152373	ZNF684
A_21_P0007382	8,64662	9,08237	-1,352613821	N/A	N/A	N/A	Inc-GPR83-2
A_21_P0014908	6,76835	7,2041	-1,352613821	ENST00000586348	N/A	XR_430753	N/A
A_21_P0014158	1,37206	1,80784	-1,352641948	N/A	N/A	AK127725	Inc-FTSJD2-1
A_19_P00811717	5,56891	6,00469	-1,352641948	ENST00000488386	222256	XM_005250224	CDHR3
A_24_P366644	1,47503	1,91088	-1,35270758	ENST00000418613	N/A	N/A	N/A
A_33_P3229527	7,58964	8,02554	-1,352754462	N/A	N/A	N/A	N/A
A_19_P00322173	1,35047	1,78639	-1,352773215	N/A	N/A	N/A	Inc-COL5A1-1
A_21_P0002522	1,34925	1,78551	-1,353092061	N/A	102724194	N/A	LOC102724194
A_22_P00015441	2,9872	3,42346	-1,353092061	ENST00000582587	9382	NM_018714	COG1
A_23_P27649	7,46127	7,89754	-1,35310144	ENST00000344980	163059	NM_001080411	ZNF433
A_22_P00016997	1,66177	2,09805	-1,353110819	ENST00000581640	257203	NR_026719	DSCR9
A_33_P3259943	3,30079	3,73713	-1,353167094	N/A	101928290	NR_120465	PLBD1-AS1
A_21_P0005646	3,13624	3,57273	-1,353307793	N/A	N/A	N/A	Inc-MYOM2-1
A_33_P3278137	1,6243	2,06084	-1,353354696	ENST00000426558	641311	NR_002595	RPL31P11
A_23_P303548	6,02342	6,46001	-1,353401601	ENST00000201961	140688	NM_001256798	NOL4L
A_23_P52101	11,7122	12,1488	-1,353410982	ENST00000497655	51706	NM_016243	CYB5R1
A_24_P217848	13,6077	14,0443	-1,353410982	ENST00000618958	8330	NM_003510	HIST1H2AK
A_19_P00812340	14,6587	15,0953	-1,353410982	ENST00000455449	2512	NM_000146	FTL

A_23_P116037	8,6916	9,12827	-1,353476651	ENST00000527851	7108	NM_003273	TM7SF2
A_23_P341223	13,3052	13,7419	-1,353504796	ENST00000377658	9903	NM_014851	KLHL21
A_21_P0000782	1,64114	2,0779	-1,353561088	N/A	100288077	NR_038390	WTAPP1
A_21_P0006122	1,4426	1,87946	-1,353654913	N/A	N/A	N/A	Inc-KDM4C-3
A_33_P3327245	8,24267	8,67955	-1,353673679	ENST00000317257	83852	NM_031915	SETDB2
A_22_P00009970	1,43298	1,86987	-1,353683062	ENST00000451749	N/A	N/A	N/A
A_33_P3294089	1,49439	1,9313	-1,353701828	N/A	N/A	N/A	N/A
A_21_P0011599	5,47382	5,91077	-1,353739361	N/A	N/A	N/A	XLOC_I2_006152
A_23_P26713	17,7283	18,1653	-1,353786279	ENST00000584583	9349	NM_000978	RPL23
A_23_P502413	13,546	13,9831	-1,35388012	ENST00000341074	6318	NM_002974	SERPINB4
A_33_P3822503	9,65718	10,0943	-1,353898889	ENST00000395019	1489	NM_001330	CTF1
A_33_P3270445	4,48816	4,92531	-1,353927042	ENST00000527361	576	NM_001294335	BAI2
A_24_P65373	4,09112	4,52838	-1,354030278	ENST00000262407	3674	NM_000419	ITGA2B
A_33_P3327333	10,9646	11,4019	-1,35406782	ENST00000377135	3661	NM_001197123	IRF3
A_24_P330773	7,8725	8,30983	-1,354095978	ENST00000258947	10241	NM_005831	CALCOCO2
A_24_P42436	6,78751	7,22486	-1,354114749	ENST00000533509	9743	NM_014715	ARHGAP32
A_24_P73599	1,48165	1,9191	-1,354208613	ENST00000394660	3603	NM_172217	IL16
A_23_P122216	5,31595	5,75348	-1,354283708	ENST00000503759	4015	NM_002317	LOX
A_24_P587443	1,5926	2,03016	-1,35431187	N/A	N/A	N/A	N/A
A_33_P3384721	14,2115	14,6492	-1,35444433	ENST00000533549	4714	NM_005004	NDUFB8
A_32_P218989	13,5084	13,9461	-1,35444433	ENST00000616651	4904	NM_004559	YBX1
A_21_P0011499	6,33465	6,77238	-1,354471465	ENST00000512279	101928203	N/A	LOC101928203
A_21_P0006379	2,15058	2,58832	-1,354480853	N/A	N/A	N/A	Inc-B4GALT1-1
A_23_P167201	5,93009	6,3679	-1,354546575	ENST00000514585	51091	NM_016955	SEPSECS
A_33_P3387524	4,21198	4,64991	-1,354659247	ENST00000370966	55635	NM_001114120	DEPDC1
A_22_P00004645	4,95487	5,39284	-1,354696807	N/A	N/A	N/A	Inc-CTBP2-1
A_21_P0011677	1,8734	2,31138	-1,354706197	N/A	N/A	N/A	XLOC_I2_006624
A_23_P26557	10,4562	10,8942	-1,354724977	ENST00000569994	80178	NM_025108	C16orf59
A_32_P32653	11,1724	11,6105	-1,354818883	ENST00000323460	205564	NM_152699	SENP5
A_23_P300150	9,26936	9,70751	-1,354865838	ENST00000329101	4772	NM_172387	NFATC1
A_33_P3327647	1,46578	1,90393	-1,354865838	ENST00000555596	N/A	N/A	N/A
A_33_P3309414	1,51782	1,95599	-1,354884621	ENST00000501499	643770	N/A	LOC643770
A_33_P3271800	9,10828	9,54646	-1,354894012	ENST00000496069	22933	NM_012237	SIRT2

A_33_P3803639	12,9954	13,4336	-1,354912795	ENST00000247668	7186	NM_021138	TRAF2
A_23_P258769	1,45232	1,89053	-1,354922187	ENST00000399500	3115	NM_002121	HLA-DPB1
A_23_P87973	10,1155	10,5538	-1,355006714	ENST00000457662	10206	NM_213590	TRIM13
A_33_P3313221	5,46272	5,90102	-1,355006714	ENST00000397034	51058	NM_001242739	ZNF691
A_21_P0004128	4,69443	5,13276	-1,355034891	N/A	N/A	N/A	Inc-EMB-3
A_33_P3388357	1,41386	1,85222	-1,355063068	ENST00000303868	83889	NM_001291088	WDR87
A_33_P3278058	5,53126	5,96977	-1,355203964	ENST00000280350	120379	NM_138789	PIH1D2
A_33_P3372069	1,4376	1,87611	-1,355203964	ENST00000620478	341947	NM_182971	COX8C
A_23_P145761	9,57214	10,0107	-1,355250933	ENST00000404894	10124	NM_005738	ARL4A
A_33_P3295203	3,72289	4,16146	-1,355260327	ENST00000222115	3036	NM_001523	HAS1
A_22_P00003682	1,50619	1,94477	-1,355269721	ENST00000522524	N/A	N/A	N/A
A_22_P00018442	1,54559	1,98423	-1,355326086	N/A	N/A	N/A	Inc-SLC25A47-2
A_33_P3410700	14,5241	14,9628	-1,355382454	ENST00000361851	4509	AK128101	ATP8
A_23_P22765	13,694	14,1327	-1,355382454	ENST00000377811	54539	NM_019056	NDUFB11
A_23_P79545	11,1443	11,583	-1,355382454	ENST00000487809	8802	NM_003849	SUCLG1
A_21_P0001541	1,68177	2,12053	-1,355438824	N/A	101927952	XR_246371	LOC101927952
A_24_P44462	9,95085	10,3898	-1,355617344	ENST00000288398	7168	NM_000366	TPM1
A_23_P215913	13,1394	13,5784	-1,355664327	ENST00000405140	1191	NM_001831	CLU
A_22_P00010393	2,00107	2,44015	-1,355739503	ENST00000494900	N/A	N/A	N/A
A_33_P3733417	1,7617	2,20079	-1,3557489	ENST00000362072	1813	NM_000795	DRD2
A_23_P101655	13,482	13,9211	-1,355758298	ENST00000252699	81	NM_004924	ACTN4
A_21_P0003629	1,3951	1,83422	-1,355777092	N/A	N/A	N/A	Inc-HERC6-2
A_23_P423457	8,06004	8,4992	-1,355814683	ENST00000513907	256987	NM_178276	SERINC5
A_33_P3807062	11,4386	11,8778	-1,355852275	ENST00000433484	55355	NM_018410	HJURP
A_21_P0014298	4,28031	4,7196	-1,35593686	N/A	N/A	AK128480	Inc-PRC1-1
A_21_P0000177	9,2847	9,72409	-1,35603085	ENST00000591087	100287177	BC007358	C19orf83
A_23_P90925	2,25945	2,69902	-1,356200047	ENST00000327407	27177	NM_173178	IL36B
A_24_P314571	8,56455	9,00415	-1,356228249	ENST00000592540	147841	AK075287	SPC24
A_21_P0011618	1,40818	1,84786	-1,356303456	ENST00000435925	339260	NR_123730	LOC339260
A_22_P00014270	6,1749	6,61461	-1,35633166	N/A	100507057	NR_038285	MF12-AS1
A_33_P3382351	12,6256	13,0654	-1,356416275	ENST00000402093	440400	NM_001004333	RNASEK
A_23_P88703	10,5099	10,9497	-1,356416275	ENST00000450115	7158	NM_005657	TP53BP1
A_33_P3384133	6,39835	6,83816	-1,356425677	ENST00000340363	100141515	NM_001163075	C17orf99

A_23_P345799	1,71534	2,15516	-1,356435079	ENST00000332386	199786	NM_173544	FAM129C
A_21_P0004747	3,94899	4,38887	-1,356491493	ENST00000447315	101929515	XR_242016	LOC101929515
A_21_P0009194	6,8006	7,2405	-1,356510298	ENST00000425510	N/A	N/A	N/A
A_33_P3335984	6,03034	6,47032	-1,356585521	N/A	202020	BC132927	TAPT1-AS1
A_23_P331895	9,92461	10,3646	-1,356594924	ENST00000407643	80727	NM_025250	TTYH3
A_33_P3398196	2,49518	2,93518	-1,356604327	ENST00000585720	84669	N/A	USP32
A_33_P3394789	6,71397	7,15399	-1,356623134	N/A	100653296	XR_424298	LOC100653296
A_21_P0004392	1,62767	2,06771	-1,356641941	N/A	N/A	N/A	Inc-CTC-236F12.4.1-1
A_22_P00000504	4,46388	4,90397	-1,356688959	N/A	N/A	N/A	Inc-AC105020.1-1
A_33_P3258946	8,62195	9,06205	-1,356698363	ENST00000407552	22933	NM_001193286	SIRT2
A_23_P47357	17,6911	18,1312	-1,356698363	ENST00000527853	6230	NM_001028	RPS25
A_21_P0007643	3,35312	3,79327	-1,356745384	N/A	N/A	N/A	Inc-HNF1A-1
A_33_P3376065	1,8506	2,29077	-1,356764192	ENST00000456255	N/A	N/A	N/A
A_32_P209230	15,6851	16,1253	-1,356792406	ENST00000372638	163732	NM_133467	CITED4
A_23_P139558	10,5516	10,992	-1,35698051	ENST00000546450	64786	NM_022771	TBC1D15
A_22_P00013524	2,16157	2,602	-1,357008728	N/A	N/A	DB041946	Inc-RP11-404P21.6.1-3
A_21_P0012549	3,89092	4,33137	-1,35702754	ENST00000507238	132241	N/A	RPL32P3
A_33_P3229022	12,4263	12,8668	-1,357074572	N/A	N/A	N/A	N/A
A_23_P146990	10,1811	10,6216	-1,357074572	ENST00000265428	11059	NM_007013	WWP1
A_23_P422083	8,61931	9,05985	-1,357112199	ENST00000285419	55529	NM_018710	TMEM55A
A_33_P3268487	9,82673	10,2673	-1,357140419	ENST00000396600	18	NM_000663	ABAT
A_33_P3387601	1,56121	2,00181	-1,357168641	ENST00000600104	606293	NR_002948	KLKP1
A_33_P3223544	13,2953	13,7359	-1,357168641	ENST00000545407	51643	NM_001282606	TMBIM4
A_21_P0002067	1,40679	1,84741	-1,357187455	N/A	N/A	N/A	Inc-REG1B-4
A_23_P52067	5,30038	5,74104	-1,357225085	ENST00000361548	57822	NM_198173	GRHL3
A_32_P81676	2,36684	2,8075	-1,357225085	ENST00000519461	157627	NR_024281	LINC00599
A_24_P156922	4,93045	5,37116	-1,357272124	ENST00000473584	6342	NM_001007098	SCP2
A_33_P3231653	9,5022	9,94292	-1,357281531	ENST00000388711	51280	NM_016548	GOLM1
A_22_P00014818	7,30456	7,74533	-1,357328572	N/A	101927809	XR_243869	LOC101927809
A_23_P214969	10,5048	10,9456	-1,357356797	ENST00000536159	10370	NM_006079	CITED2
A_33_P3277728	8,02868	8,46953	-1,35740384	ENST00000379960	6453	NM_001001132	ITSN1
A_23_P119464	8,70268	9,14358	-1,357450885	ENST00000592247	85415	NM_033103	RHPN2
A_24_P150486	8,82189	9,26284	-1,357497932	ENST00000216484	9517	NM_004863	SPTLC2

A_22_P00014980	1,90057	2,34153	-1,357507341	N/A	N/A	N/A	Inc-SMC1A-1
A_23_P68910	8,57062	9,01158	-1,357507341	ENST00000617123	6753	NM_001051	SSTR3
A_33_P3316587	5,04372	5,48472	-1,35754498	ENST00000613450	5003	NM_007105	SLC22A18AS
A_22_P00005671	2,63136	3,07237	-1,35755439	N/A	N/A	DQ289488	Inc-EIF3M-2
A_33_P3315986	4,44463	4,88566	-1,35757321	N/A	N/A	N/A	N/A
A_21_P0003884	1,47586	1,91692	-1,35760144	N/A	N/A	N/A	Inc-POLN-1
A_33_P3386970	6,80542	7,24649	-1,35761085	N/A	N/A	BC039426	Inc-PIGM-1
A_33_P3225522	9,01451	9,45575	-1,357770833	ENST00000449768	4939	NM_001032731	OAS2
A_23_P48936	12,8324	13,2737	-1,357827303	ENST00000327367	4088	NM_005902	SMAD3
A_23_P168951	8,67893	9,12032	-1,357912011	ENST00000314393	22882	NM_014943	ZHX2
A_23_P383132	11,1478	11,5893	-1,358015551	ENST00000443632	23119	NM_015094	HIC2
A_22_P00013988	1,52738	1,96889	-1,358024964	ENST00000581940	N/A	N/A	N/A
A_23_P392962	2,91467	3,3563	-1,358137926	ENST00000571380	10750	NM_006613	GRAP
A_33_P3222962	2,04175	2,4834	-1,358156754	ENST00000457095	158787	NM_144968	RIBC1
A_23_P90523	8,75993	9,20159	-1,358166168	ENST00000595769	79629	XM_005260079	OCEL1
A_33_P3368785	10,102	10,5437	-1,358203825	N/A	649446	NR_024101	DLGAP1-AS1
A_23_P313512	10,4074	10,8491	-1,358203825	ENST00000280665	196513	NM_152640	DCP1B
A_24_P303594	8,16196	8,60373	-1,358269727	ENST00000377776	57180	NM_001040135	ACTR3B
A_24_P58727	14,9596	15,4014	-1,358297971	ENST00000567565	N/A	N/A	N/A
A_33_P3356320	5,20222	5,6442	-1,358467452	ENST00000575151	400566	NM_001013672	C17orf97
A_21_P0014949	8,39447	8,8365	-1,358514534	ENST00000569955	9520	NM_006310	NPEPPS
A_21_P0007098	1,75834	2,20043	-1,358571034	N/A	N/A	N/A	Inc-SVIL-2
A_33_P3218787	2,46908	2,91123	-1,358627537	N/A	N/A	N/A	N/A
A_24_P103886	10,7212	11,1634	-1,358674624	ENST00000381344	3422	NM_004508	IDI1
A_22_P00023655	1,45911	1,90132	-1,358684041	ENST00000559904	N/A	N/A	N/A
A_21_P0009316	3,26718	3,70947	-1,358759385	N/A	N/A	N/A	Inc-CCL23-1
A_23_P57961	9,79949	10,2418	-1,358778222	ENST00000483676	5364	NM_002673	PLXNB1
A_24_P333494	10,2048	10,6472	-1,358862989	ENST00000375592	54455	NM_018994	FBXO42
A_32_P121085	4,01417	4,45658	-1,358872408	ENST00000312943	79930	NM_001144875	DOK3
A_33_P3291732	6,21358	6,656	-1,358881827	ENST00000598356	N/A	XM_006722749	N/A
A_21_P0001685	1,70756	2,15001	-1,358910085	ENST00000230113	102724481	N/A	LOC102724481
A_21_P0013272	1,41155	1,85402	-1,358928923	N/A	N/A	N/A	XLOC_I2_013621
A_21_P0011764	3,55339	3,99586	-1,358928923	N/A	N/A	N/A	XLOC_I2_007135

A_24_P56484	8,92002	9,3626	-1,35903254	ENST00000216807	84312	NM_032352	BRMS1L
A_23_P502142	7,69647	8,13915	-1,359126745	ENST00000368678	2534	NM_002037	FYN
A_22_P00018971	2,4834	2,9261	-1,359145586	N/A	N/A	N/A	Inc-NSMCE1-3
A_23_P50039	2,66707	3,10979	-1,359164428	ENST00000324750	4161	NM_005913	MC5R
A_32_P19806	7,36013	7,80297	-1,359277485	ENST00000328843	8701	NM_001277115	DNAH11
A_21_P0004705	1,61959	2,06249	-1,359334017	ENST00000456118	N/A	N/A	N/A
A_22_P00015973	2,21997	2,66287	-1,359334017	ENST00000566922	N/A	N/A	N/A
A_22_P00004358	5,22912	5,67208	-1,359390551	ENST00000608807	101927391	NR_110084	LOC101927391
A_22_P00005828	1,54343	1,98643	-1,359428242	N/A	N/A	N/A	Inc-ERAL1-5
A_23_P252283	11,1924	11,6354	-1,359428242	ENST00000324689	84282	NM_032322	RNF135
A_33_P3579984	4,53698	4,9803	-1,359729806	ENST00000569008	N/A	AK094521	N/A
A_22_P00009852	1,35627	1,79961	-1,359748656	N/A	N/A	BM563242	Inc-METTL20-1
A_21_P0007651	2,86486	3,30821	-1,359758081	N/A	N/A	N/A	Inc-AACS-2
A_22_P00022828	1,53327	1,97664	-1,359776932	N/A	N/A	N/A	Inc-RLBP1-1
A_23_P121596	1,45956	1,903	-1,35984291	ENST00000296028	5473	NM_002704	PPBP
A_23_P13753	7,66978	8,11323	-1,359852336	ENST00000540264	4778	NM_006163	NFE2
A_24_P67408	10,4656	10,9091	-1,359899465	ENST00000420550	N/A	N/A	N/A
A_33_P3239152	12,0466	12,4902	-1,35999373	ENST00000358201	79874	NM_024816	RABEP2
A_23_P60002	11,0139	11,4575	-1,35999373	ENST00000220853	9694	NM_014673	EMC2
A_23_P393777	3,46968	3,9133	-1,360012583	ENST00000306051	5729	NM_000953	PTGDR
A_23_P169197	10,2204	10,6641	-1,360088001	ENST00000398803	84263	NM_032303	HSDL2
A_32_P215318	7,92353	8,36743	-1,360276562	ENST00000612007	31	NM_198839	ACACA
A_21_P0000548	5,46918	5,91308	-1,360276562	N/A	10015	NM_001256192	PDCD6IP
A_23_P153480	2,70174	3,1459	-1,360521731	ENST00000595585	25818	NM_012427	KLK5
A_23_P70785	10,4772	10,9214	-1,360559453	ENST00000369066	202	NM_001624	AIM1
A_23_P119362	11,8766	12,3208	-1,360559453	ENST00000597057	2014	NM_001425	EMP3
A_33_P7278111	13,0166	13,4608	-1,360559453	ENST00000619747	55353	NM_018407	LAPTM4B
A_23_P133629	10,8168	11,2611	-1,360653763	ENST00000394886	8697	NM_004661	CDC23
A_21_P0013734	2,19195	2,63631	-1,360710352	N/A	101927993	N/A	LOC101927993
A_33_P3346669	9,71329	10,1577	-1,360757512	ENST00000371375	51196	NM_016341	PLCE1
A_33_P3376205	1,57324	2,01765	-1,360757512	ENST00000622585	N/A	XM_006711716	N/A
A_33_P3217639	1,64775	2,09217	-1,360766944	ENST00000528446	387715	NM_001099667	ARMS2
A_33_P3344861	1,60531	2,04975	-1,360785808	ENST00000377722	389602	NM_001291913	LOC389602



A_21_P0010985	1,49009	1,93454	-1,36079524	N/A	N/A	N/A	XLOC_I2_002355
A_33_P3293187	2,92993	3,3744	-1,360814105	ENST00000323329	8170	NM_007163	SLC14A2
A_33_P3321923	14,6492	15,0937	-1,360842403	ENST00000507324	N/A	N/A	N/A
A_32_P179746	6,92495	7,36947	-1,360861268	N/A	101929687	XR_427741	LOC101929687
A_23_P130547	1,82529	2,26982	-1,360870701	ENST00000308682	125958	NM_001005191	OR7D4
A_21_P0003237	1,38475	1,82929	-1,360880134	N/A	N/A	N/A	Inc-ROBO2-4
A_23_P5568	8,46593	8,91063	-1,361031069	ENST00000310981	84826	NM_032740	SFT2D3
A_33_P3316329	1,44966	1,89468	-1,361332988	ENST00000434751	N/A	N/A	N/A
A_21_P0002252	4,15961	4,60464	-1,361342425	N/A	N/A	N/A	Inc-ATOH8-2
A_21_P0014803	6,98143	7,42649	-1,361370733	ENST00000563903	N/A	N/A	N/A
A_23_P355447	2,587	3,03207	-1,361380169	ENST00000319374	283576	NM_174976	ZDHHC22
A_21_P0004529	1,63063	2,07575	-1,361427352	N/A	N/A	XM_005276270	Inc-SLC25A48-2
A_23_P251443	1,74985	2,19498	-1,361436789	ENST00000523695	1135	NM_000742	CHRNA2
A_23_P165186	9,73493	10,1801	-1,361474536	ENST00000590890	55957	NM_019104	LIN37
A_22_P00012804	1,47745	1,92273	-1,361578348	N/A	N/A	DB461599	Inc-RAP1GDS1-1
A_33_P3367984	8,28297	8,72835	-1,361672728	ENST00000272895	26154	NM_173076	ABCA12
A_33_P3248992	7,47671	7,92211	-1,361691605	ENST00000358776	36	NM_001609	ACADSB
A_21_P0001170	1,35751	1,80298	-1,361757677	ENST00000449439	N/A	N/A	N/A
A_33_P3369550	11,5403	11,9858	-1,361785994	ENST00000460795	9295	NM_004768	SRSF11
A_22_P00009190	2,23899	2,6845	-1,361795433	ENST00000436963	100862704	NR_046414	LINC00441
A_23_P144578	8,28658	8,73218	-1,361880389	ENST00000295448	132789	NM_138335	GNPDA2
A_21_P0007814	1,49532	1,94094	-1,361899269	ENST00000613771	N/A	N/A	N/A
A_22_P00020049	3,32258	3,76821	-1,361908709	N/A	N/A	N/A	Inc-C9orf103-2
A_33_P3833256	3,44223	3,88806	-1,362097522	ENST00000500698	440028	NR_033972	LOC440028
A_22_P00010068	7,32898	7,77482	-1,362106964	ENST00000532845	101927204	NR_110184	LOC101927204
A_23_P29747	17,8198	18,2657	-1,362163613	ENST00000580755	6147	NM_000984	RPL23A
A_33_P3415350	1,63001	2,07602	-1,362267477	ENST00000523207	9312	NM_004770	KCNB2
A_22_P00010897	1,53708	1,9831	-1,36227692	N/A	N/A	DA382327	Inc-NPIPL2-2
A_23_P121885	5,36052	5,80659	-1,362324133	ENST00000503804	83853	NM_031916	ROPN1L
A_23_P500271	12,0226	12,4687	-1,362352462	ENST00000473745	3663	NM_001098627	IRF5
A_24_P144499	14,6974	15,1435	-1,362352462	ENST00000585245	644591	NM_001123068	PPIAL4G
A_33_P3322874	2,62865	3,07487	-1,362465784	ENST00000433433	102682016	NR_110374	LINC01159
A_24_P883629	6,95637	7,40273	-1,362598005	ENST00000258457	79074	NM_024093	C2orf49

A_33_P3210671	2,61253	3,05894	-1,36264523	ENST00000444924	150763	NM_207328	GPAT2
A_23_P257164	7,94773	8,39416	-1,362664121	ENST00000273588	275	NM_000481	AMT
A_24_P652700	8,54319	8,98964	-1,362683011	ENST00000399334	22995	NM_014985	CEP152
A_33_P3409337	3,28907	3,73564	-1,362796361	ENST00000492247	80127	NM_025057	CCDC176
A_33_P3389332	1,43245	1,87903	-1,362805807	N/A	100128531	NR_038941	LOC100128531
A_22_P00017337	1,4833	1,92996	-1,362881379	ENST00000514766	N/A	N/A	N/A
A_23_P59202	9,96243	10,4091	-1,362890826	ENST00000361288	6882	NM_005643	TAF11
A_23_P310295	7,05296	7,49964	-1,362900273	ENST00000420826	N/A	BC002811	N/A
A_23_P214026	1,383	1,82981	-1,363023088	ENST00000508053	2201	NM_001999	FBN2
A_22_P00006675	1,34915	1,79597	-1,363032536	ENST00000416951	103106903	NR_120347	LINC01276
A_21_P0011240	1,79002	2,23684	-1,363032536	N/A	N/A	N/A	XLOC_I2_004180
A_33_P3408177	2,49222	2,93906	-1,363051432	ENST00000393316	440603	NM_001010922	BCL2L15
A_33_P3317225	1,51395	1,96094	-1,363193158	ENST00000355281	81466	NM_001258284	OR2L5
A_33_P3252394	5,04517	5,49225	-1,363278201	ENST00000252506	10912	NM_006705	GADD45G
A_21_P0007799	5,49133	5,93846	-1,36332545	N/A	N/A	N/A	Inc-SLC15A4-2
A_32_P2103	8,87422	9,32137	-1,36334435	N/A	N/A	N/A	N/A
A_24_P918384	3,2211	3,66833	-1,363419952	ENST00000354179	64324	NM_022455	NSD1
A_21_P0006603	1,41395	1,8613	-1,363533362	N/A	N/A	N/A	Inc-CYorf15A.1-1
A_23_P83751	6,20997	6,65732	-1,363533362	ENST00000227349	79864	NM_024806	C11orf63
A_24_P180680	14,3586	14,806	-1,36358062	ENST00000619747	55353	NM_018407	LAPTM4B
A_24_P184445	6,01788	6,46538	-1,363675139	ENST00000548882	4327	NM_002429	MMP19
A_33_P3375541	4,75272	5,20022	-1,363675139	ENST00000300692	915	NM_000732	CD3D
A_33_P3221353	7,83469	8,28221	-1,363694044	ENST00000379302	23078	NM_001009814	VWA8
A_33_P3336198	8,34792	8,79557	-1,363816931	ENST00000328540	283870	NM_182563	BRICD5
A_22_P00001799	1,48198	1,92966	-1,363845291	ENST00000447651	N/A	N/A	N/A
A_33_P3400324	11,7311	12,1789	-1,363958737	ENST00000495893	80012	NM_024947	PHC3
A_21_P0013003	1,47977	1,92759	-1,363977646	ENST00000505824	N/A	N/A	N/A
A_22_P00007591	1,35013	1,79797	-1,363996554	N/A	N/A	BC036196	Inc-HDDC2-5
A_21_P0014502	4,23322	4,6811	-1,364034373	N/A	N/A	AY952884	N/A
A_33_P3392977	11,5465	11,9944	-1,364053283	ENST00000569745	23582	NM_012142	CCNDBP1
A_21_P0009169	1,47907	1,92706	-1,364138379	ENST00000492522	N/A	N/A	N/A
A_24_P194962	16,4522	16,9002	-1,364147835	ENST00000481963	N/A	N/A	N/A
A_24_P101391	14,1101	14,5581	-1,364147835	ENST00000444752	4904	NM_004559	YBX1

A_22_P00003889	1,34851	1,79668	-1,364308589	ENST00000503896	57507	NM_020747	ZNF608
A_22_P00001249	1,65795	2,10613	-1,364318045	N/A	N/A	BX096547	Inc-ANKRD32-2
A_24_P723735	2,07029	2,51847	-1,364318045	ENST00000562403	N/A	N/A	N/A
A_23_P80648	8,38681	8,835	-1,364327502	ENST00000471841	55669	NM_033540	MFN1
A_33_P3329063	1,54184	1,99005	-1,364346416	ENST00000614638	9437	NM_004829	NCR1
A_22_P00003407	1,41606	1,86431	-1,364384244	ENST00000515199	N/A	N/A	N/A
A_23_P31896	11,0672	11,5155	-1,364431531	ENST00000522652	6482	NM_003033	ST3GAL1
A_24_P236522	9,83812	10,2865	-1,364507193	ENST00000305596	10421	NM_001243646	CD2BP2
A_22_P00023080	9,06692	9,51538	-1,36458286	ENST00000361127	9860	XR_426743	LRIG2
A_21_P0001178	7,05527	7,50378	-1,364630153	N/A	N/A	N/A	Inc-GOLPH3L-1
A_21_P0013352	5,06703	5,51561	-1,364696367	ENST00000486492	79970	NR_027788	ZNF767P
A_33_P3418992	2,79255	3,24119	-1,364753124	N/A	645769	AK123791	LOC645769
A_21_P0002769	2,88596	3,33468	-1,364828805	ENST00000482019	N/A	N/A	N/A
A_23_P140725	7,71595	8,16468	-1,364838265	ENST00000565298	9742	NM_014714	IFT140
A_33_P3346638	1,39299	1,84174	-1,364857186	ENST00000603850	N/A	N/A	N/A
A_33_P3544880	8,08923	8,53807	-1,364942333	N/A	142937	BC008131	LOC142937
A_22_P00024557	2,58832	3,03717	-1,364951794	ENST00000554160	N/A	N/A	N/A
A_33_P3618960	2,96534	3,41427	-1,365027485	ENST00000487342	9127	NM_005446	P2RX6
A_33_P3359308	7,15536	7,60433	-1,365065332	ENST00000486442	114818	NM_052920	KLHL29
A_23_P69249	12,0169	12,4659	-1,365093718	ENST00000461125	86	AK223212	ACTL6A
A_23_P40847	2,98958	3,4386	-1,365112642	ENST00000309575	9435	NM_004267	CHST2
A_23_P15414	4,83206	5,28113	-1,365159954	ENST00000576012	8578	NM_003693	SCARF1
A_21_P0012685	9,58909	10,0382	-1,365197805	ENST00000511213	100507639	NR_121625	LOC100507639
A_33_P3313055	6,28148	6,73062	-1,365226194	ENST00000263388	4854	NM_000435	NOTCH3
A_23_P399797	1,92204	2,37123	-1,36527351	N/A	9597	NR_026763	SMAD5-AS1
A_33_P3245799	1,97168	2,42096	-1,365358683	ENST00000569839	221188	N/A	GPR114
A_23_P336796	6,70238	7,1517	-1,365396539	ENST00000398675	283464	NM_173601	GXYLT1
A_23_P115091	12,3565	12,8059	-1,365472255	ENST00000497968	57111	NM_020387	RAB25
A_21_P0006057	1,92449	2,37393	-1,365510114	ENST00000435157	N/A	N/A	N/A
A_33_P3290617	1,65956	2,10906	-1,365566905	N/A	N/A	N/A	N/A
A_23_P425752	7,25729	7,70681	-1,365585836	ENST00000342043	9830	NM_033219	TRIM14
A_32_P470728	4,4755	4,92505	-1,365614233	ENST00000302945	219409	NM_145657	GSX1
A_23_P7325	3,64952	4,09913	-1,365671029	ENST00000265016	683	NM_004334	BST1

A_21_P0014432	7,30732	7,75698	-1,36571836	N/A	100507599	XR_172371	LOC100507599
A_23_P319270	11,785	12,2348	-1,365850896	ENST00000269392	22994	NM_014984	CEP131
A_33_P3363420	6,29	6,73989	-1,365936105	ENST00000621208	257019	NM_174938	FRMD3
A_33_P3386765	11,9023	12,3522	-1,365945573	ENST00000273596	25864	NM_015407	ABHD14A
A_32_P137966	4,63314	5,08306	-1,365964509	ENST00000549341	120863	NM_152317	DEPDC4
A_23_P209625	10,4747	10,9247	-1,366040257	ENST00000610745	1545	NM_000104	CYP1B1
A_21_P0010900	1,72768	2,17771	-1,366068663	N/A	N/A	N/A	XLOC_I2_002100
A_23_P357811	12,4047	12,8548	-1,366134947	ENST00000485910	4154	NM_021038	MBNL1
A_23_P53530	6,69852	7,14873	-1,366239113	ENST00000552029	80298	NM_001033050	MTERF2
A_23_P397455	8,50419	8,95447	-1,366305405	ENST00000243349	130399	NM_145259	ACVR1C
A_33_P3294133	12,9017	13,352	-1,366324346	ENST00000549592	1975	NM_001300821	EIF4B
A_33_P3334092	3,6856	4,13597	-1,366390642	N/A	N/A	AK096917	Inc-SHISA8-1
A_22_P00000649	1,48597	1,93635	-1,366400114	N/A	N/A	N/A	Inc-ACSS3-2
A_33_P3251227	7,55638	8,00682	-1,366456942	ENST00000402468	56913	AJ132443	C1GALT1
A_33_P3214303	12,0646	12,5151	-1,366513772	ENST00000615603	27086	NM_001244808	FOXP1
A_22_P00008058	1,56632	2,01685	-1,366542188	ENST00000432249	N/A	N/A	N/A
A_33_P3269159	1,36613	1,81669	-1,366570605	ENST00000470333	259232	AK094390	NALCN
A_23_P147605	10,555	11,0056	-1,366608495	ENST00000278460	79096	NM_001003676	C11orf49
A_33_P3334047	6,61694	7,06763	-1,366693751	N/A	N/A	N/A	N/A
A_33_P3309607	3,02367	3,47437	-1,366703224	ENST00000409203	151246	BC048349	SGOL2
A_22_P00004951	4,80709	5,25779	-1,366703224	N/A	100874207	NR_046683	ST3GAL6-AS1
A_33_P3307447	13,0032	13,4539	-1,366703224	ENST00000359025	132241	AX721251	RPL32P3
A_22_P00018008	3,32926	3,78003	-1,366769539	ENST00000576906	N/A	N/A	N/A
A_23_P50418	8,65535	9,10621	-1,366854805	ENST00000343325	163049	NM_153358	ZNF791
A_23_P218675	14,0443	14,4952	-1,366892703	ENST00000447118	10406	NM_006103	WFDC2
A_23_P377299	1,34145	1,79241	-1,366949552	ENST00000402825	9718	NM_014693	ECE2
A_21_P0006052	5,73413	6,18518	-1,367034829	N/A	N/A	N/A	Inc-GPR144-1
A_23_P154235	10,8378	11,289	-1,36717697	ENST00000243346	9111	NM_004688	NMI
A_33_P3371325	4,43141	4,88262	-1,367186446	N/A	N/A	N/A	N/A
A_22_P00006407	1,60461	2,05585	-1,367214876	ENST00000581541	N/A	N/A	N/A
A_32_P149174	8,3925	8,8438	-1,367271739	ENST00000408925	441150	NM_001008739	C6orf226
A_33_P3291379	1,36722	1,81852	-1,367271739	ENST00000281047	343930	NM_001105569	MSGN1
A_23_P114164	9,86864	10,3201	-1,367423382	ENST00000338222	29978	NM_013444	UBQLN2

A_33_P3383236	1,34886	1,80037	-1,367470774	ENST00000494447	375307	NM_198559	CATIP
A_24_P147398	3,25537	3,70691	-1,36749921	ENST00000572607	55275	NM_018289	VPS53
A_22_P00006862	8,99283	9,4445	-1,36762244	N/A	100506963	NR_038280	TCEB3-AS1
A_33_P3227631	2,77289	3,22461	-1,367669839	ENST00000546225	64799	NM_001031715	IQCH
A_21_P0000506	10,3375	10,7894	-1,367840489	ENST00000582557	440423	NR_024187	SUZ12P1
A_23_P111843	14,2395	14,6914	-1,367840489	ENST00000485387	10467	NM_006349	ZNHIT1
A_23_P143952	5,66133	6,11329	-1,367897377	ENST00000341893	79598	NM_024548	CEP97
A_33_P3287646	16,915	17,3671	-1,368030125	ENST00000248553	3315	NM_001540	HSPB1
A_21_P0003940	5,33582	5,78794	-1,36804909	N/A	N/A	N/A	Inc-CCDC125-1
A_21_P0012443	2,50882	2,96097	-1,368077538	N/A	N/A	N/A	XLOC_I2_010226
A_21_P0011522	7,24393	7,69611	-1,368105987	N/A	N/A	N/A	XLOC_I2_005692
A_23_P166421	10,2181	10,6703	-1,368124953	ENST00000433426	83874	NM_031937	TBC1D10A
A_33_P3358392	2,2521	2,70444	-1,368257723	ENST00000345514	64919	NM_138576	BCL11B
A_21_P0003678	1,6093	2,06164	-1,368257723	N/A	N/A	N/A	Inc-SAP30-2
A_24_P118011	7,10112	7,55348	-1,368276691	ENST00000295112	344405	NR_027258	PRORS1P
A_22_P00007437	1,4008	1,8532	-1,368314629	N/A	N/A	N/A	Inc-GSG2-3
A_21_P0000346	3,61986	4,07233	-1,368381021	N/A	677818	NR_002994	SNORA36B
A_23_P343808	4,43031	4,88281	-1,368409476	ENST00000469581	6654	NM_005633	SOS1
A_23_P28169	10,8323	11,2848	-1,368409476	ENST00000495469	151188	NM_152522	ARL6IP6
A_33_P3312802	7,56923	8,02183	-1,368504331	ENST00000450028	399670	NR_003680	RPL13AP17
A_21_P0008525	1,43164	1,88426	-1,368523302	N/A	N/A	N/A	Inc-DLK1-6
A_22_P00001449	1,85102	2,30367	-1,36855176	N/A	101928001	NR_110822	PRKCA-AS1
A_21_P0008806	3,4145	3,86753	-1,368912279	N/A	101927505	N/A	LOC101927505
A_33_P3262391	1,64869	2,10179	-1,3689787	N/A	N/A	N/A	N/A
A_23_P422071	11,1001	11,5532	-1,3689787	ENST00000383209	8705	NM_003782	B3GALT4
A_21_P0014104	1,52095	1,97423	-1,369149514	N/A	N/A	N/A	N/A
A_23_P339773	10,748	11,2013	-1,369168494	ENST00000378344	127262	NM_182752	TPRG1L
A_24_P338187	11,1954	11,6487	-1,369168494	ENST00000481819	3189	NM_012207	HNRNPH3
A_23_P116942	5,07284	5,52618	-1,369206456	ENST00000203629	3902	NM_002286	LAG3
A_22_P00012484	4,92603	5,37943	-1,369263401	ENST00000526206	N/A	XR_424260	N/A
A_23_P98248	11,9169	12,3703	-1,369263401	ENST00000539595	83707	NM_001033678	TRPT1
A_21_P0014725	4,16252	4,61596	-1,369301365	N/A	N/A	BX954921	N/A
A_24_P921321	8,08764	8,54109	-1,369310857	ENST00000613246	5795	NM_002843	PTPRJ

A_22_P00020268	5,77186	6,22546	-1,369453234	ENST00000518420	N/A	N/A	N/A
A_33_P3293925	1,99411	2,44771	-1,369453234	ENST00000398000	79742	NM_176819	CXorf36
A_33_P3409274	1,49236	1,94606	-1,369548161	ENST00000454421	N/A	FJ385288	N/A
A_24_P230176	11,2798	11,7335	-1,369548161	ENST00000329214	339230	NM_199287	CCDC137
A_23_P367586	4,03274	4,48655	-1,369652588	ENST00000472080	144132	NM_173589	DNHD1
A_33_P3415255	5,29278	5,74661	-1,369671575	ENST00000601945	57191	NM_020633	VN1R1
A_21_P0009080	3,54126	3,99519	-1,369766517	N/A	N/A	N/A	Inc-COX4NB-1
A_23_P61280	8,13132	8,58537	-1,369880456	ENST00000617523	26958	NM_012133	COPG2
A_33_P3298387	7,23638	7,69045	-1,369899446	ENST00000570220	5347	AB084459	PLK1
A_23_P67648	14,7624	15,2166	-1,370022892	ENST00000588780	826	NM_001749	CAPNS1
A_22_P00005246	6,59517	7,04939	-1,370041885	ENST00000511867	N/A	N/A	N/A
A_22_P00003514	3,11942	3,57364	-1,370041885	N/A	N/A	N/A	Inc-CCL1-3
A_22_P00008301	8,34598	8,80032	-1,370155847	ENST00000572988	N/A	XR_429819	N/A
A_24_P142151	8,27045	8,72479	-1,370155847	ENST00000559433	123355	NM_144598	LRRC28
A_22_P00001547	1,65718	2,11162	-1,370250822	N/A	N/A	N/A	Inc-ARHGFE5-2
A_33_P3405789	10,6086	11,0631	-1,37030781	ENST00000448120	7289	NM_003324	TULP3
A_22_P00022095	2,17108	2,62563	-1,370355302	N/A	101928335	NR_110395	LOC101928335
A_33_P3292387	4,98347	5,43804	-1,3703743	ENST00000354431	127255	NM_001105659	LRRIQ3
A_21_P0001106	4,39674	4,85152	-1,370573787	ENST00000451217	N/A	N/A	N/A
A_33_P3352307	8,43261	8,88741	-1,370592787	ENST00000530305	6195	NM_002953	RPS6KA1
A_24_P196592	11,9499	12,4047	-1,370592787	ENST00000612672	79148	NM_001032278	MMP28
A_23_P97064	7,5893	8,04411	-1,370602288	ENST00000449067	26270	NM_018438	FBXO6
A_33_P3671506	6,33894	6,79378	-1,370630789	N/A	153811	AK021734	LOC153811
A_22_P00002059	4,06568	4,52056	-1,370668791	N/A	399959	NR_024430	MIR100HG
A_23_P130856	7,04447	7,49937	-1,370687793	ENST00000586984	84902	NM_032816	CEP89
A_24_P33156	7,55428	8,00922	-1,370725797	ENST00000585419	125061	NM_001010982	AFMID
A_23_P502590	1,54295	1,99803	-1,370858819	ENST00000391729	3809	NM_012314	KIR2DS4
A_23_P333063	8,58001	9,03512	-1,370887326	ENST00000476049	6605	NM_003079	SMARCE1
A_23_P425304	5,52004	5,97517	-1,370906331	ENST00000369902	51684	NM_016169	SUFU
A_33_P3351664	9,36005	9,81519	-1,370915833	ENST00000389641	284001	NM_198082	CCDC57
A_33_P3357773	3,69287	4,14801	-1,370915833	N/A	N/A	N/A	N/A
A_21_P0010661	3,21438	3,66955	-1,370944341	N/A	N/A	N/A	XLOC_I2_001196
A_21_P0013578	5,66354	6,11879	-1,371020364	N/A	102725126	N/A	LOC102725126

A_21_P0003440	1,48788	1,94316	-1,371048874	ENST00000512839	401164	NR_033869	LINC01060
A_21_P0005240	4,54959	5,00497	-1,371143911	N/A	N/A	N/A	Inc-RSBN1L-1
A_23_P20196	13,3125	13,7679	-1,371162919	ENST00000484375	10095	NM_005720	ARPC1B
A_32_P720220	7,51828	7,97378	-1,371257964	ENST00000318426	283422	NR_036555	LINC01559
A_32_P470868	1,61173	2,06726	-1,371286479	ENST00000482992	220081	NM_182542	ERICH6B
A_24_P277367	7,11953	7,57512	-1,371343511	ENST00000296027	6374	NM_002994	CXCL5
A_21_P0013502	3,62097	4,07656	-1,371343511	N/A	N/A	N/A	XLOC_I2_014369
A_22_P00025064	2,32518	2,78085	-1,371419556	ENST00000360035	56001	NM_022053	NXF2
A_22_P00003368	2,2591	2,71477	-1,371419556	N/A	N/A	N/A	Inc-CBR4-1
A_33_P3336587	3,03834	3,49406	-1,371467087	ENST00000559094	283710	NM_001243538	LOC283710
A_19_P00316758	11,2672	11,723	-1,371543139	N/A	9175	NR_038322	MAP3K13
A_22_P00007730	1,46464	1,92055	-1,371647718	N/A	N/A	N/A	Inc-HMBOX1-3
A_22_P00009748	4,23469	4,6906	-1,371647718	ENST00000435021	N/A	N/A	N/A
A_22_P00008499	8,22391	8,67988	-1,371704764	N/A	N/A	AK097081	Inc-KCNE4-1
A_21_P0009764	8,15891	8,61494	-1,371761813	ENST00000592431	N/A	N/A	N/A
A_24_P381199	7,35538	7,81141	-1,371761813	ENST00000618326	117854	NM_001003818	TRIM6
A_24_P16815	7,08402	7,5401	-1,371809356	ENST00000373978	9203	NM_005096	ZMYM3
A_23_P502047	4,84479	5,30089	-1,371828373	ENST00000460627	8646	NM_003741	CHRD
A_22_P00025426	2,55485	3,011	-1,371875918	N/A	N/A	CR740889	Inc-EME1-1
A_33_P3391339	9,28684	9,74302	-1,371904446	ENST00000624585	N/A	XR_432952	N/A
A_21_P0011825	1,37458	1,83078	-1,371923464	N/A	N/A	N/A	XLOC_I2_007449
A_33_P3359832	3,04089	3,49717	-1,371999542	N/A	N/A	N/A	N/A
A_33_P3318322	3,05151	3,50779	-1,371999542	ENST00000380079	79689	NM_001205315	STEAP4
A_23_P76914	11,4267	11,8832	-1,372208778	ENST00000553535	6495	NM_005982	SIX1
A_21_P0001995	7,09001	7,54654	-1,372237312	ENST00000457371	100505964	N/A	LINC01304
A_33_P3298473	1,4023	1,85892	-1,372322919	N/A	100996465	XM_003960837	LOC100996465
A_22_P00014273	1,52447	1,98112	-1,372351456	N/A	N/A	N/A	Inc-SENP6-2
A_33_P3272330	7,78758	8,24433	-1,372446584	ENST00000402667	1788	NM_175629	DNMT3A
A_33_P3391596	4,49905	4,9558	-1,372446584	N/A	3910	NM_001105206	LAMA4
A_33_P3340624	10,2636	10,7204	-1,37249415	ENST00000443589	N/A	N/A	N/A
A_23_P311201	8,70723	9,16405	-1,372513177	ENST00000344989	10772	NM_054016	SRSF10
A_22_P00005191	7,2609	7,71777	-1,372560745	N/A	N/A	N/A	Inc-DKK3-1
A_33_P3219454	15,2902	15,7471	-1,372589287	N/A	N/A	N/A	N/A

A_33_P3318465	12,402	12,8589	-1,372589287	ENST00000392244	7341	NM_003352	SUMO1
A_23_P207014	10,8233	11,2802	-1,372589287	ENST00000486827	5889	NM_002876	RAD51C
A_33_P3420862	5,17005	5,62698	-1,37261783	ENST00000374971	389860	NM_001015038	PAGE2B
A_23_P132139	7,01555	7,47262	-1,372751036	ENST00000417060	54058	NM_001286462	C21orf58
A_22_P00020745	1,47024	1,92732	-1,372760551	ENST00000532068	N/A	BU176067	N/A
A_23_P138975	9,42467	9,88179	-1,372798613	ENST00000542140	10179	NM_016090	RBM7
A_22_P00024129	2,15282	2,61009	-1,372941353	N/A	101926962	NR_110658	LOC101926962
A_32_P196047	10,2937	10,751	-1,372969903	ENST00000414645	286148	NM_181787	DPY19L4
A_23_P149613	3,76583	4,22313	-1,372969903	ENST00000469711	2326	NM_002021	FMO1
A_22_P00017043	3,63706	4,09448	-1,373084108	N/A	N/A	N/A	Inc-TTLL7-7
A_22_P00024058	1,87686	2,33429	-1,373093625	ENST00000432994	N/A	AK095365	N/A
A_23_P21785	8,26215	8,71982	-1,373322066	ENST00000314622	63899	NM_022072	NSUN3
A_23_P130735	4,55273	5,01045	-1,373369662	ENST00000335875	28968	NM_014037	SLC6A16
A_33_P3347057	1,39026	1,84806	-1,37344582	N/A	100132005	AK092662	LOC100132005
A_32_P831725	5,13188	5,58973	-1,373493421	ENST00000343010	375341	NM_198562	C3orf62
A_23_P218793	6,57873	7,0366	-1,373512462	ENST00000428799	63929	NM_022098	XPNPEP3
A_23_P138514	13,0602	13,5181	-1,373541024	ENST00000479958	23412	NM_012071	COMMD3
A_22_P00022752	2,45241	2,91044	-1,373664798	N/A	N/A	N/A	Inc-C5orf27-2
A_23_P59179	9,27076	9,72886	-1,37373145	ENST00000462174	6257	NM_021976	RXR8
A_21_P0009382	9,76252	10,2207	-1,373807628	N/A	101060544	N/A	LINC01563
A_23_P89601	4,27291	4,73111	-1,373826673	ENST00000225899	3882	NM_002278	KRT32
A_23_P133770	10,0309	10,4891	-1,373826673	ENST00000373408	154467	NM_138493	CCDC167
A_21_P0008687	1,73963	2,19785	-1,373845718	ENST00000558449	N/A	N/A	N/A
A_23_P107612	7,80892	8,26718	-1,37388381	ENST00000262094	5874	NM_004163	RAB27B
A_24_P943106	9,1742	9,63246	-1,37388381	ENST00000473835	23350	NM_001080415	U2SURP
A_24_P153568	1,34309	1,80136	-1,373893333	ENST00000361050	219972	NM_001039396	MPEG1
A_23_P6615	1,40201	1,86031	-1,373921903	ENST00000282957	1360	NM_001871	CPB1
A_22_P00002738	3,57324	4,03159	-1,37396952	N/A	N/A	N/A	Inc-C20orf96-3
A_22_P00022284	2,05139	2,50974	-1,37396952	ENST00000454387	N/A	N/A	N/A
A_23_P80048	14,0202	14,4787	-1,374112382	ENST00000616711	80307	NR_119376	FER1L4
A_21_P0008030	2,8355	3,294	-1,374112382	N/A	N/A	N/A	Inc-SGCG-5
A_23_P392384	10,7692	11,2277	-1,374112382	ENST00000372314	83543	NM_001185095	AIF1L
A_23_P410965	14,998	15,4565	-1,374112382	ENST00000401073	57648	NM_020888	KIAA1522



A_22_P00019378	1,37354	1,83207	-1,374140956	N/A	N/A	N/A	Inc-MYBPH-1
A_22_P00021464	3,21399	3,67254	-1,374160006	N/A	N/A	N/A	Inc-C12orf48-1
A_23_P414978	9,72613	10,1847	-1,374179056	ENST00000339418	256281	NM_177533	NUDT14
A_21_P0004574	1,51321	1,97184	-1,374236208	N/A	N/A	N/A	Inc-ALDH7A1-2
A_22_P00005827	1,51536	1,97401	-1,374255259	N/A	101927018	NR_110803	LOC101927018
A_33_P3409266	2,53348	2,99214	-1,374264784	N/A	100130322	AF220234	GAFA2
A_33_P3301709	6,77044	7,22919	-1,374350518	ENST00000391854	2786	NM_001098722	GNG4
A_24_P335305	8,69071	9,14976	-1,374636336	ENST00000228928	4940	NM_006187	OAS3
A_33_P3369286	10,0425	10,5016	-1,374683978	ENST00000256079	10526	NM_006390	IPO8
A_21_P0004698	2,71151	3,17075	-1,374817385	N/A	N/A	N/A	Inc-FNDC1-1
A_23_P145424	5,21944	5,67879	-1,374922213	ENST00000617909	22832	NM_014895	CEP162
A_21_P0003776	2,87708	3,33649	-1,374979396	N/A	N/A	N/A	Inc-ELF2-2
A_21_P0012998	4,04613	4,5056	-1,375036581	ENST00000505712	101929495	N/A	LINC01339
A_23_P155351	6,1616	6,6211	-1,375065174	ENST00000383778	686	NM_000060	BTD
A_23_P51231	1,43473	1,89427	-1,3751033	ENST00000308873	864	NM_001031680	RUNX3
A_23_P253524	9,98823	10,4478	-1,375131894	ENST00000611174	1062	NM_001813	CENPE
A_23_P136012	9,76811	10,2277	-1,375150958	ENST00000515664	26269	NM_012180	FBXO8
A_33_P3213204	10,6591	11,1188	-1,375255812	ENST00000317897	64110	NM_022149	MAGEF1
A_21_P0006469	3,69473	4,15445	-1,375274877	N/A	N/A	N/A	Inc-IDS-3
A_22_P00025691	4,75246	5,21228	-1,375370207	ENST00000417794	N/A	R84760	N/A
A_24_P400324	2,66324	3,12307	-1,375379741	ENST00000408005	221981	NM_015204	THSD7A
A_22_P00017701	1,75261	2,21253	-1,375465544	ENST00000525575	N/A	BF673870	N/A
A_33_P3274416	3,27501	3,73496	-1,375494146	ENST00000513891	653712	NR_034179	LOC653712
A_33_P3226407	2,89117	3,35116	-1,375532284	N/A	649305	XR_432303	LOC649305
A_23_P319423	11,7176	12,1776	-1,375541818	ENST00000359534	8645	NM_003740	KCNK5
A_23_P409541	9,93334	10,3934	-1,375599027	ENST00000465887	51082	NM_152705	POLR1D
A_33_P3379046	5,60288	6,06306	-1,37571345	N/A	729770	XR_112442	LOC729770
A_21_P0009377	11,1402	11,6005	-1,375827884	ENST00000575301	N/A	N/A	Inc-NLGN2-1
A_33_P3308512	1,54571	2,00611	-1,375923252	ENST00000612036	117247	NM_018593	SLC16A10
A_23_P387943	9,58802	10,0485	-1,375999552	ENST00000619992	835	NM_032982	CASP2
A_21_P0010365	1,72974	2,19028	-1,376056779	ENST00000415702	101927526	N/A	LOC101927526
A_22_P00025539	5,72785	6,18855	-1,376209397	N/A	101930240	N/A	LOC101930240
A_22_P00005927	3,52247	3,98322	-1,376257094	N/A	161159	NR_073422	ACTN1-AS1

A_22_P00012873	2,05706	2,51787	-1,376314332	ENST00000564686	100506070	NR_103445	RBFADN
A_21_P0013530	1,4366	1,89746	-1,376362032	N/A	N/A	N/A	Inc-FBXO25-5
A_22_P00011949	1,38012	1,84111	-1,37648606	ENST00000431359	N/A	N/A	N/A
A_23_P252236	2,22446	2,68547	-1,376505143	ENST00000511406	3818	NM_000892	KLKB1
A_22_P00006930	3,19873	3,65974	-1,376505143	ENST00000578741	N/A	N/A	N/A
A_24_P183664	3,26294	3,72407	-1,376619642	ENST00000539664	9865	NM_014817	TRIL
A_22_P00002216	8,00787	8,46908	-1,37669598	ENST00000416869	N/A	BC070363	N/A
A_33_P3323939	4,836	5,29731	-1,376791409	ENST00000404459	643418	NM_001102469	LIPN
A_24_P159648	10,0127	10,4741	-1,3768773	ENST00000321280	10458	NM_006340	BAIAP2
A_21_P0009788	6,13042	6,59202	-1,377068189	N/A	N/A	N/A	Inc-ZNF793-1
A_22_P00023361	1,43287	1,89449	-1,377087279	N/A	N/A	AK055631	Inc-SLC44A5-1
A_23_P132644	9,70353	10,1652	-1,377135006	ENST00000538775	57552	NM_020792	NCEH1
A_19_P00811284	8,66475	9,12646	-1,377173189	ENST00000350030	4678	NM_002482	NASP
A_33_P3402635	3,49368	3,95541	-1,377192281	N/A	750	NR_122031	GAS8-AS1
A_24_P38572	8,53845	9,00026	-1,377268651	ENST00000297990	65083	NM_022917	NOL6
A_33_P6559875	6,80002	7,26187	-1,377306837	ENST00000488700	9849	NM_001278524	ZNF518A
A_23_P371266	3,53381	3,99567	-1,377316384	ENST00000367731	26052	NM_015569	DNM3
A_33_P3405369	2,11101	2,57297	-1,377411856	ENST00000399682	387267	NM_001012709	KRTAP5-4
A_23_P212715	9,26336	9,72544	-1,377526431	ENST00000476370	868	NM_170662	CBLB
A_24_P154573	2,48062	2,94272	-1,377545527	ENST00000337872	166793	NM_145291	ZBTB49
A_23_P121265	10,171	10,6331	-1,377545527	ENST00000305533	11344	NM_007284	TWF2
A_24_P7946	5,1815	5,64361	-1,377555076	ENST00000486013	60412	NM_001037126	EXOC4
A_24_P378402	2,02905	2,49116	-1,377555076	ENST00000301744	146434	NM_152457	ZNF597
A_23_P72737	15,7442	16,2064	-1,377641015	ENST00000408968	8519	NM_003641	IFITM1
A_33_P3219469	11,994	12,4563	-1,377736509	ENST00000369367	9169	NM_004719	SCAF11
A_23_P48175	12,5529	13,0152	-1,377736509	ENST00000449758	79022	NM_024056	TMEM106C
A_22_P00002486	6,98887	7,45132	-1,377879762	N/A	N/A	N/A	Inc-C16orf13-3
A_33_P3367717	1,34574	1,80826	-1,377946619	ENST00000526502	392197	NM_001256869	USP17L7
A_33_P3376080	3,97268	4,43532	-1,378061238	ENST00000259357	347168	NM_001004451	OR1J1
A_33_P3259938	4,9922	5,4549	-1,378118551	N/A	N/A	AK128153	Inc-RNF208-1
A_21_P0000780	3,49384	3,95658	-1,378156762	N/A	25850	NR_038362	ZNF345
A_33_P3330872	3,37651	3,83927	-1,378175867	ENST00000380692	10943	NM_078629	MSL3
A_33_P3227842	6,52835	6,99123	-1,378290505	ENST00000373797	2035	NM_001166006	EPB41

A_23_P163546	11,4313	11,8942	-1,378309613	ENST00000566903	9013	NM_005679	TAF1C
A_33_P3314511	3,23594	3,69888	-1,378347828	ENST00000402849	6634	AK296173	SNRPD3
A_33_P3386242	11,3874	11,8504	-1,378405153	ENST00000374253	10256	NM_001297647	CNKSRI
A_21_P0006666	1,48938	1,95244	-1,37846248	ENST00000416310	N/A	N/A	N/A
A_23_P57155	1,7984	2,26152	-1,37851981	ENST00000378961	1114	NM_001819	CHGB
A_23_P63789	10,8807	11,3439	-1,378596254	ENST00000489649	11130	NM_032997	ZWINT
A_22_P00003431	8,00269	8,46593	-1,378634477	N/A	103695435	NR_125768	BBOX1-AS1
A_19_P00318514	1,37592	1,8392	-1,378672701	ENST00000590968	N/A	N/A	N/A
A_24_P22746	9,50042	9,96375	-1,378720483	ENST00000322342	284273	NM_175907	ZADH2
A_23_P169050	12,5992	13,0626	-1,378787381	ENST00000522938	28957	NM_014018	MRPS28
A_21_P0013880	1,43983	1,90324	-1,378796938	ENST00000460561	N/A	N/A	N/A
A_23_P22660	3,18762	3,65103	-1,378796938	ENST00000614798	10800	NM_006639	CYSLTR1
A_21_P0008704	1,46237	1,92581	-1,37882561	N/A	N/A	N/A	Inc-POTEB-4
A_33_P3213342	3,73666	4,20012	-1,378844724	ENST00000399668	57082	NM_170589	CASC5
A_21_P0012899	8,86226	9,32582	-1,378940302	N/A	102725134	N/A	LOC102725134
A_24_P92952	9,15044	9,61403	-1,378968976	ENST00000532781	8289	NM_006015	ARID1A
A_23_P142714	10,6003	11,0639	-1,378978535	ENST00000472070	8604	NM_003705	SLC25A12
A_23_P319617	6,94204	7,40566	-1,378997652	ENST00000276055	56548	NM_019886	CHST7
A_23_P49559	4,13722	4,60087	-1,379026327	ENST00000335666	350383	NM_181790	GPR142
A_22_P00002020	1,97225	2,43591	-1,379035886	ENST00000415486	10742	NM_001172732	RAI2
A_33_P3289491	3,63326	4,09694	-1,379055004	N/A	100129069	AK127359	LOC100129069
A_32_P738377	5,75702	6,2207	-1,379055004	N/A	284837	NR_026961	AATBC
A_33_P3213119	4,88146	5,34516	-1,379074122	N/A	594842	NR_002835	HAS2-AS1
A_24_P403244	11,195	11,6587	-1,379074122	ENST00000609309	29990	NM_178238	PILRB
A_23_P24633	11,4629	11,9266	-1,379074122	ENST00000533975	29087	NM_199297	THYN1
A_21_P0010017	1,63847	2,10226	-1,379160155	N/A	N/A	N/A	Inc-FOXA2-1
A_24_P3783	12,5404	13,0042	-1,379169715	ENST00000621112	8342	NM_003521	HIST1H2BM
A_23_P131825	5,93677	6,40063	-1,379227074	ENST00000372557	7125	NM_003279	TNNC2
A_21_P0013886	1,4888	1,95267	-1,379236634	ENST00000417252	N/A	N/A	N/A
A_32_P226858	11,5094	11,9733	-1,379265315	ENST00000455105	N/A	N/A	N/A
A_22_P00025585	1,43712	1,90107	-1,379313118	ENST00000444795	104326190	N/A	LINC01309
A_22_P00002996	6,51673	6,98073	-1,379360922	N/A	N/A	BC031876	Inc-C6orf221-2
A_21_P0013808	1,38626	1,85029	-1,379389605	N/A	101928228	XR_247295	LOC101928228

A_23_P53370	6,33596	6,80002	-1,379418289	ENST00000548445	27289	NM_014470	RND1
A_23_P163820	9,83292	10,297	-1,379437412	ENST00000262525	23361	NM_001080417	ZNF629
A_33_P3241428	9,03548	9,49966	-1,379533031	ENST00000404537	23363	NM_015311	OBSL1
A_23_P49060	12,4459	12,9101	-1,379552155	ENST00000562057	6692	NM_181642	SPINT1
A_23_P62868	11,8089	12,2731	-1,379552155	ENST00000490565	5394	XR_426611	EXOSC10
A_22_P00015591	1,70714	2,1714	-1,37960953	N/A	N/A	AA371472	Inc-STX8-1
A_21_P0007820	1,36204	1,82639	-1,379695597	N/A	N/A	N/A	Inc-CLEC2D-4
A_22_P00023571	5,40244	5,86681	-1,379714724	N/A	N/A	N/A	Inc-RP11-677C1.2.1-1
A_22_P00006161	3,97823	4,44267	-1,37978167	ENST00000464420	101927111	NR_109993	SUCLG2-AS1
A_23_P349928	14,8574	15,3219	-1,379839055	ENST00000264052	6672	NM_003113	SP100
A_33_P3386770	5,0461	5,51064	-1,379877313	N/A	N/A	XM_005276024	Inc-MAPK15-3
A_24_P229180	1,93221	2,39679	-1,379915571	N/A	N/A	AF119913	N/A
A_23_P369983	10,701	11,1656	-1,379934701	ENST00000586372	147965	NM_174905	FAM98C
A_33_P3372207	2,99798	3,4626	-1,379953831	N/A	N/A	N/A	N/A
A_33_P3666817	4,83548	5,3001	-1,379953831	ENST00000412307	414236	NM_001001791	C10orf55
A_24_P200942	10,0967	10,5614	-1,380030354	ENST00000496728	81628	NM_030935	TSC22D4
A_22_P00001012	4,14017	4,60489	-1,380049486	N/A	N/A	N/A	Inc-AL359736.1-2
A_22_P00005746	1,70899	2,17376	-1,380097315	N/A	255082	NR_026939	CASC2
A_23_P142239	9,58611	10,0509	-1,380116448	N/A	90522	NM_001145463	YIF1B
A_23_P44684	10,4258	10,8906	-1,380126014	ENST00000540509	1894	NM_018098	ECT2
A_21_P0001306	3,33883	3,80366	-1,380154713	N/A	N/A	N/A	Inc-PRKAA2-1
A_22_P00013349	4,54485	5,00973	-1,380202547	N/A	100507420	NR_121620	LOC100507420
A_23_P140830	10,8001	11,2651	-1,380317353	ENST00000393997	79767	NM_024712	ELMO3
A_23_P35219	9,06949	9,53455	-1,38037476	ENST00000462283	4751	NM_002497	NEK2
A_21_P0011192	2,36413	2,82924	-1,380422601	N/A	N/A	N/A	XLOC_I2_004072
A_21_P0010049	1,43084	1,89596	-1,38043217	N/A	N/A	N/A	Inc-PREX1-7
A_33_P3417474	1,45935	1,92449	-1,380451307	ENST00000621052	N/A	XR_246983	N/A
A_32_P49508	1,4328	1,89803	-1,380537426	ENST00000370852	54511	NM_019036	HMGCLL1
A_23_P386912	1,3543	1,81957	-1,380575704	ENST00000506580	7363	NM_021139	UGT2B4
A_23_P358221	6,87991	7,34521	-1,380604412	ENST00000296328	26043	NM_015562	UBXN7
A_21_P0008620	5,60337	6,06882	-1,380747964	ENST00000560341	100131089	NR_040062	SRP14-AS1
A_33_P3213772	10,1366	10,6022	-1,380891531	ENST00000604247	23380	NM_001300952	SRGAP2
A_33_P3290672	11,2317	11,6974	-1,38098725	ENST00000615547	51714	NM_016275	SELT

A_22_P00005729	2,2344	2,70012	-1,381006395	N/A	642366	NR_046243	LOC642366
A_21_P0006212	1,64855	2,11434	-1,381073403	N/A	N/A	N/A	Inc-PRPF4-1
A_23_P152768	9,15453	9,62034	-1,381092549	ENST00000589688	7283	NM_001070	TUBG1
A_33_P3424612	4,09988	4,56574	-1,381140415	ENST00000483158	N/A	L37726	N/A
A_23_P154256	9,11586	9,58175	-1,381169135	ENST00000446464	84173	NM_032213	ELMOD3
A_24_P65910	11,7054	12,1713	-1,381178709	ENST00000374385	55245	NM_018244	UQCC1
A_21_P0009093	7,63469	8,10062	-1,38120743	ENST00000572466	N/A	N/A	N/A
A_24_P215407	8,89003	9,35596	-1,38120743	ENST00000617381	1656	NM_004397	DDX6
A_33_P3261545	4,84044	5,30651	-1,38134147	N/A	N/A	BC028053	N/A
A_21_P0001393	3,52445	3,99053	-1,381351044	N/A	N/A	N/A	Inc-XPR1-1
A_33_P3389653	6,94952	7,41574	-1,381485098	ENST00000546160	5144	NM_001165899	PDE4D
A_33_P3220192	5,28269	5,74895	-1,381523401	N/A	100133205	NR_026775	LINC00240
A_33_P3291708	5,46633	5,93261	-1,381542554	N/A	N/A	N/A	N/A
A_24_P228796	10,5666	11,0329	-1,381561706	ENST00000621907	2579	NM_021123	GAGE7
A_24_P348845	1,36997	1,83636	-1,381647895	ENST00000334067	254950	NM_181623	KRTAP15-1
A_22_P00005892	2,42973	2,89615	-1,381676626	N/A	101929439	NR_120360	LOC101929439
A_33_P3370015	5,07665	5,54307	-1,381676626	ENST00000430550	N/A	N/A	N/A
A_33_P3273290	8,97628	9,44274	-1,381714935	ENST00000464469	7576	BC070146	ZNF28
A_33_P3347639	8,14147	8,60813	-1,381906494	ENST00000373842	54797	NM_017638	MED18
A_21_P0001911	6,61139	7,07808	-1,38193523	N/A	254128	NR_037858	NIFK-AS1
A_23_P54622	11,3585	11,8253	-1,382040602	ENST00000160827	3835	NM_007317	KIF22
A_23_P397856	5,8419	6,30873	-1,382069341	ENST00000392679	114609	NM_001039661	TIRAP
A_33_P3849600	13,3491	13,816	-1,382136401	N/A	3324	M30627	HSP90AA2P
A_24_P569294	12,5702	13,0372	-1,382232207	ENST00000308018	6183	NM_021107	MRPS12
A_24_P14260	6,435	6,90209	-1,382318437	ENST00000391898	22900	NM_014959	CARD8
A_33_P3244322	9,37175	9,83885	-1,382328019	ENST00000614495	83596	NM_001282521	BCL2L12
A_23_P201368	10,5662	11,0333	-1,382328019	ENST00000370625	1486	NM_004388	CTBS
A_21_P0014059	2,42263	2,88975	-1,382347182	ENST00000489002	5279	XR_425075	PIGC
A_23_P200199	11,3992	11,8664	-1,382423838	ENST00000472624	51060	NM_015913	TXNDC12
A_23_P22352	7,55321	8,02044	-1,382452585	ENST00000342409	55691	AK001072	FRMD4A
A_22_P00004331	7,30421	7,77144	-1,382452585	ENST00000219689	57478	NM_020718	USP31
A_23_P357546	7,77527	8,24267	-1,382615496	ENST00000258362	25953	NM_015488	PNKD
A_21_P0014837	1,36689	1,83434	-1,382663414	N/A	100507388	NR_121617	LOC100507388

A_23_P351757	10,271	10,7385	-1,382711335	ENST00000543623	113026	NM_133373	PLCD3
A_24_P416961	6,07282	6,54051	-1,382893447	ENST00000495096	421	NM_001670	ARVCF
A_33_P3323742	10,0569	10,5246	-1,382903033	ENST00000374468	55629	NM_017761	PNRC2
A_33_P3304794	3,4243	3,89201	-1,382912618	N/A	N/A	AK096324	N/A
A_24_P914513	6,58802	7,05575	-1,382931789	ENST00000545529	594	NM_183050	BCKDHB
A_32_P19539	1,36352	1,83127	-1,382950961	ENST00000370203	148534	NM_001199679	TMEM56
A_21_P0013657	3,17755	3,64532	-1,382970133	N/A	N/A	N/A	XLOC_I2_015213
A_23_P8834	10,3287	10,7965	-1,382998891	ENST00000521400	2053	NM_001979	EPHX2
A_33_P3328445	7,5017	7,96955	-1,383046823	N/A	100506713	AK074580	ALOX12-AS1
A_21_P0003584	1,98756	2,45553	-1,383161867	N/A	N/A	N/A	Inc-RBPJ-1
A_23_P7783	10,6432	11,1112	-1,383190629	ENST00000542866	51780	NM_016604	KDM3B
A_23_P81825	3,50856	3,97661	-1,383238568	ENST00000230361	2979	NM_002098	GUCA1B
A_24_P33552	16,0821	16,5504	-1,383478285	ENST00000438548	N/A	N/A	N/A
A_24_P29686	10,7346	11,2029	-1,383478285	ENST00000441627	83637	NM_031449	ZMIZ2
A_21_P0001747	3,60373	4,07204	-1,383487875	N/A	N/A	N/A	Inc-MRPS14-1
A_33_P3291559	4,5925	5,06082	-1,383497465	N/A	N/A	AK022341	N/A
A_21_P0002198	1,41693	1,88537	-1,383612545	N/A	N/A	N/A	Inc-TTC27-1
A_23_P253389	9,0105	9,47897	-1,383641317	ENST00000310317	6522	NM_003040	SLC4A2
A_33_P3298356	11,6721	12,1407	-1,383766001	ENST00000616170	51100	NM_001206651	SH3GLB1
A_21_P0005350	1,79847	2,26709	-1,383785185	N/A	N/A	N/A	Inc-ELFN1-1
A_22_P00018052	2,58536	3,05405	-1,383852328	N/A	N/A	N/A	Inc-ZNF286A-1
A_21_P0009616	1,52046	1,98924	-1,38393866	N/A	N/A	N/A	Inc-RP11-17M16.1.1-2
A_33_P3325429	1,4606	1,92952	-1,384072965	N/A	N/A	AB306153	N/A
A_33_P8991074	5,23257	5,70153	-1,38411134	N/A	101927768	NR_125845	LOC101927768
A_24_P178631	9,57351	10,0425	-1,384140122	N/A	N/A	AK027667	N/A
A_33_P3234794	5,18486	5,65385	-1,384140122	ENST00000373345	343578	NM_001164431	ARHGAP40
A_33_P3239184	12,5523	13,0213	-1,384149716	ENST00000512278	N/A	N/A	N/A
A_22_P00000543	1,42627	1,89532	-1,384197688	N/A	N/A	N/A	Inc-AC114947.1.1-1
A_21_P0008761	2,5627	3,03185	-1,384293636	N/A	N/A	N/A	Inc-ADAMTS7-1
A_22_P00009924	5,98061	6,44983	-1,384360804	N/A	100506161	NR_110614	TAF1A-AS1
A_23_P163737	1,53999	2,00925	-1,384399188	ENST00000304936	4993	NM_012368	OR2C1
A_33_P3394213	4,54333	5,0126	-1,384408784	ENST00000234389	116444	NM_138690	GRIN3B
A_23_P403335	8,76252	9,23181	-1,384427976	ENST00000525344	23086	NM_015065	EXPH5

A_23_P144054	10,7985	11,2678	-1,384437572	ENST00000330452	5580	NM_006254	PRKCD
A_22_P00015644	1,71785	2,18715	-1,384437572	N/A	N/A	N/A	Inc-SUPT6H-2
A_22_P00009574	6,95163	7,42105	-1,384552731	N/A	100506113	XR_110893	LOC100506113
A_19_P00325810	7,40205	7,87172	-1,384792676	ENST00000484801	80759	NR_027005	KHDC1
A_22_P00023909	3,76163	4,23137	-1,384859869	ENST00000570024	100507534	N/A	LOC100507534
A_21_P0003275	4,94231	5,41218	-1,384984663	N/A	N/A	N/A	Inc-AC069257.9.1-5
A_21_P0009778	1,62983	2,09971	-1,384994263	ENST00000597980	102723931	XR_244021	LOC102723931
A_23_P218463	12,7785	13,2485	-1,385109468	ENST00000357949	29950	NM_013376	SERTAD1
A_33_P3218301	3,78341	4,25353	-1,385224683	N/A	150763	XM_006712308	GPAT2
A_22_P00004169	2,59646	3,06669	-1,385330305	ENST00000596555	440508	N/A	CLEC4GP1
A_21_P0000895	3,27239	3,74265	-1,385359113	ENST00000560341	100131089	NR_040062	SRP14-AS1
A_33_P3265290	16,3375	16,8079	-1,385493555	ENST00000394077	6152	NM_000986	RPL24
A_21_P0014921	5,79483	6,26524	-1,385503159	ENST00000577902	653645	NR_002924	TBC1D3P1-DHX40P1
A_21_P0008719	1,53719	2,00765	-1,385551177	N/A	N/A	N/A	Inc-GJD2-1
A_21_P0008491	1,42117	1,89164	-1,385560781	ENST00000556987	338002	NR_126006	LINC00524
A_22_P00003884	4,97458	5,44506	-1,385570385	ENST00000434944	158314	NR_027341	LINC00475
A_22_P00018891	8,09431	8,56485	-1,385628011	N/A	N/A	N/A	Inc-ERLEC1-1
A_22_P00012706	1,43888	1,90946	-1,385666429	ENST00000503163	N/A	N/A	N/A
A_33_P3356701	13,1778	13,6484	-1,385685639	ENST00000467312	84885	NM_032799	ZDHHC12
A_23_P503010	1,55072	2,02143	-1,385791296	ENST00000531433	123041	NM_153646	SLC24A4
A_21_P0002225	1,43129	1,90204	-1,385829719	N/A	N/A	N/A	Inc-LGALSL-1
A_24_P162244	4,49153	4,96229	-1,385839325	ENST00000303521	49855	AB040887	SCAPER
A_33_P3258752	1,36676	1,83753	-1,385848931	N/A	N/A	N/A	N/A
A_33_P3423655	1,55383	2,02464	-1,385887355	ENST00000563496	100129654	NM_001193502	TCF24
A_24_P223384	9,01571	9,48653	-1,385896961	ENST00000615868	8335	NM_003513	HIST1H2AB
A_23_P6464	7,22384	7,69466	-1,385896961	ENST00000402064	8398	NM_003560	PLA2G6
A_22_P00003692	1,41295	1,88383	-1,3859546	ENST00000507887	N/A	N/A	N/A
A_33_P3347437	2,80087	3,27179	-1,385993028	ENST00000523118	441355	NR_033830	FLJ39080
A_22_P00011200	3,86023	4,33119	-1,386031456	N/A	N/A	N/A	Inc-OLFML2A-1
A_23_P23346	9,0057	9,47667	-1,386041063	ENST00000368921	10962	NM_006818	MLLT11
A_32_P355396	6,86004	7,33104	-1,386069886	ENST00000359520	9895	NM_014844	TECPR2
A_21_P0014094	8,26171	8,73274	-1,386098708	N/A	N/A	AK096649	N/A
A_33_P3358681	2,14806	2,61925	-1,38625244	N/A	N/A	N/A	Inc-HDDC2-2

A_23_P70371	10,6762	11,1474	-1,386262049	ENST00000509876	23469	NM_015153	PHF3
A_33_P3303430	10,9569	11,4281	-1,386262049	ENST00000425226	N/A	N/A	N/A
A_22_P00003006	1,58137	2,05258	-1,386271658	N/A	N/A	N/A	Inc-C6orf70-2
A_33_P3344951	9,98751	10,4588	-1,386348531	ENST00000478178	100137047	NM_001114632	JMJD7
A_21_P0013567	9,70205	10,1734	-1,386406189	ENST00000618187	3516	NM_203284	RBPJ
A_33_P3210468	2,99998	3,4715	-1,386569566	ENST00000372754	8785	NM_003833	MATN4
A_24_P105733	1,53388	2,00545	-1,386617622	ENST00000479185	7145	NM_022648	TNS1
A_19_P00315753	6,02575	6,49733	-1,386627233	ENST00000466734	344595	NR_028301	LINC00883
A_19_P00318561	6,90751	7,37913	-1,386665679	N/A	100506516	NR_108081	LINC01176
A_23_P203173	2,83864	3,31034	-1,386742574	ENST00000227752	3587	NM_001558	IL10RA
A_21_P0002427	2,12431	2,59609	-1,386819474	N/A	N/A	N/A	Inc-KCNG3-1
A_24_P147407	8,71301	9,18481	-1,386838699	ENST00000336174	92335	NM_153335	STRADA
A_24_P167642	8,31948	8,79129	-1,386848312	ENST00000254299	2643	NM_000161	GCH1
A_21_P0006058	2,90154	3,37349	-1,386982899	ENST00000439014	N/A	N/A	N/A
A_33_P3254267	1,43922	1,91119	-1,387002127	ENST00000413613	N/A	N/A	N/A
A_33_P3347291	2,39184	2,86384	-1,387030969	ENST00000013222	11185	NM_001199219	INMT
A_23_P33720	7,38931	7,86144	-1,387155959	ENST00000445533	10667	NM_006567	FARS2
A_22_P00017159	1,65122	2,12337	-1,387175189	N/A	N/A	N/A	Inc-UBE3C-1
A_24_P91140	12,3398	12,8121	-1,387319424	ENST00000422514	6147	NM_000984	RPL23A
A_23_P25873	10,1377	10,61	-1,387319424	ENST00000567693	11169	NM_007086	WDHD1
A_21_P0004917	1,3601	1,83242	-1,387338657	N/A	N/A	N/A	Inc-QRSL1-1
A_33_P3388466	3,74774	4,22007	-1,387348273	ENST00000425234	11119	NM_007048	BTN3A1
A_24_P241792	9,389	9,86133	-1,387348273	ENST00000429604	90338	NM_198893	ZNF160
A_23_P1981	3,65315	4,12555	-1,387415589	ENST00000397262	3630	NM_000207	INS
A_23_P251680	11,9488	12,4212	-1,387415589	ENST00000412786	1312	NM_000754	COMT
A_22_P00021641	1,70253	2,175	-1,387482909	N/A	N/A	N/A	Inc-TMEM160-1
A_22_P00002165	1,68705	2,15955	-1,387511761	ENST00000585911	N/A	N/A	N/A
A_23_P202905	4,95371	5,42624	-1,387540614	ENST00000392678	114609	NM_148910	TIRAP
A_22_P00000879	1,72647	2,19916	-1,387694505	ENST00000477153	N/A	BG192935	N/A
A_21_P0008562	1,4641	1,93679	-1,387694505	ENST00000554333	101926928	NR_110106	LOC101926928
A_23_P402751	17,3407	17,8134	-1,387704124	ENST00000361739	4513	BC000228	COX2
A_33_P3217649	7,21574	7,68846	-1,387723362	ENST00000371786	138162	NM_001048265	C9orf116
A_21_P0008328	1,51988	1,99264	-1,387761838	N/A	N/A	N/A	Inc-GEMIN2-2



A_21_P0011321	1,60379	2,07655	-1,387761838	N/A	N/A	N/A	XLOC_I2_004640
A_22_P00007627	1,63498	2,10782	-1,387838794	N/A	N/A	N/A	Inc-HELZ-3
A_22_P00010889	5,58839	6,06126	-1,387867654	N/A	N/A	N/A	Inc-NPFFR2-2
A_22_P00016190	4,12781	4,60068	-1,387867654	ENST00000557900	101928955	XR_243168	LOC101928955
A_33_P3259548	6,53119	7,00407	-1,387877274	ENST00000330689	54554	NM_019069	WDR5B
A_22_P00010386	12,6177	13,0906	-1,387896514	ENST00000548571	140465	NM_001199629	MYL6B
A_23_P91891	13,5519	14,0248	-1,387896514	ENST00000333188	9276	NM_004766	COPB2
A_21_P0001993	3,82102	4,29399	-1,387963857	ENST00000438482	100506014	XR_109907	LOC100506014
A_24_P267686	5,30144	5,77451	-1,388060066	ENST00000603208	N/A	N/A	N/A
A_23_P110882	9,42209	9,89522	-1,388117795	ENST00000420283	23270	NM_021648	TSPYL4
A_33_P3232552	1,62174	2,09492	-1,388165905	ENST00000264424	2983	NM_001291953	GUCY1B3
A_33_P3363898	12,8221	13,2953	-1,388185149	ENST00000251413	7283	NM_001070	TUBG1
A_24_P119609	6,54708	7,0203	-1,388204393	ENST00000318217	4642	NM_015194	MYO1D
A_22_P00000346	6,4077	6,88092	-1,388204393	N/A	644192	NR_102744	NR2F2-AS1
A_23_P74088	5,38921	5,8625	-1,388271751	ENST00000512731	8510	NM_006983	MMP23B
A_23_P131866	12,1104	12,5837	-1,388281374	ENST00000347343	6790	NM_198433	AURKA
A_33_P3588134	5,3343	5,80765	-1,388329489	ENST00000395842	56666	NM_052839	PANX2
A_23_P33607	9,51487	9,98823	-1,388339112	ENST00000581216	79736	NM_024683	TEFM
A_23_P410998	9,87411	10,3475	-1,388367982	ENST00000553116	5869	NM_002868	RAB5B
A_21_P0007558	1,85959	2,33299	-1,388377606	N/A	N/A	N/A	Inc-DAZAP2-1
A_32_P161913	4,60529	5,07875	-1,388435348	N/A	339453	NM_001114748	TMEM240
A_23_P160787	12,9935	13,467	-1,388473844	ENST00000356607	5195	NM_004565	PEX14
A_23_P25396	2,84339	3,31699	-1,388570089	ENST00000551379	9971	NM_005123	NR1H4
A_21_P0011619	10,5071	10,9807	-1,388570089	ENST00000586223	440419	N/A	TBC1D3P5
A_23_P398044	11,7867	12,2603	-1,388570089	ENST00000269967	90324	NM_052848	CCDC97
A_22_P00023010	3,60346	4,07716	-1,388666341	ENST00000498832	N/A	N/A	N/A
A_33_P3350634	11,0323	11,506	-1,388666341	ENST00000160827	3835	NM_001256270	KIF22
A_23_P39910	9,42496	9,89877	-1,388772225	ENST00000328709	493753	NM_001008215	COA5
A_33_P3310286	4,29509	4,76919	-1,389051414	N/A	N/A	N/A	N/A
A_23_P75038	10,1574	10,6316	-1,389147699	ENST00000369305	9937	NM_014881	DCLRE1A
A_23_P366366	12,9108	13,385	-1,389147699	ENST00000426154	9805	NM_014766	SCRN1
A_23_P58482	11,4457	11,92	-1,389243991	ENST00000446023	4245	NM_002406	MGAT1
A_33_P3333177	2,85879	3,33314	-1,389292139	N/A	644083	XR_112044	LOC644083

A_21_P0000300	9,02231	9,49667	-1,389301769	ENST00000579085	652965	NR_002918	SNORA48
A_22_P00020025	1,4398	1,91419	-1,389330659	ENST00000455084	246119	NR_001542	TTY10
A_21_P0008473	2,47467	2,94908	-1,389349919	N/A	N/A	N/A	Inc-GALC-3
A_19_P00806930	6,93575	7,41019	-1,389378811	N/A	N/A	N/A	XLOC_I2_003627
A_23_P16944	14,3157	14,7902	-1,389436594	ENST00000381150	6382	NM_001006946	SDC1
A_32_P220472	12,2714	12,746	-1,389532906	ENST00000559775	54469	NM_019006	ZFAND6
A_23_P201319	6,45192	6,92657	-1,389581064	ENST00000284476	84976	NM_032890	DISP1
A_24_P118527	3,61375	4,08844	-1,389619592	ENST00000322315	126326	NM_133261	GIPC3
A_24_P916141	11,4529	11,9276	-1,389629225	ENST00000614556	10238	NM_005828	DCAF7
A_24_P391526	10,6894	11,1641	-1,389629225	ENST00000485420	9500	NM_001005333	MAGED1
A_21_P0007523	6,67197	7,1467	-1,389658121	N/A	100506660	N/A	DDX11-AS1
A_33_P3243214	7,04747	7,52223	-1,389687019	ENST00000389017	54785	NM_017622	C17orf59
A_23_P151614	10,6008	11,0756	-1,38972555	ENST00000470718	5720	NM_006263	PSME1
A_33_P3380647	1,67353	2,14851	-1,389898952	N/A	80144	AK092082	FRAS1
A_21_P0014534	5,86681	6,34182	-1,389927854	N/A	101928504	XR_245792	LOC101928504
A_21_P0000738	4,53117	5,00626	-1,39000493	ENST00000501169	100507466	NR_038251	DPH6-AS1
A_32_P95914	8,05749	8,5326	-1,3900242	ENST00000275053	253714	NM_198468	MMS22L
A_23_P162211	8,84987	9,32517	-1,390207275	ENST00000535902	54682	NM_018050	MANSC1
A_22_P00012595	8,28783	8,76318	-1,390255457	N/A	101928062	NR_120461	LINC01481
A_32_P214925	5,76547	6,24085	-1,390284367	ENST00000357344	285966	NM_173678	TCAF2
A_23_P5389	12,165	12,6404	-1,39030364	ENST00000540596	84661	NM_032574	DPY30
A_33_P3326617	5,88615	6,36157	-1,390322914	ENST00000382666	81889	NM_001018104	FAHD1
A_33_P3461129	1,64271	2,11817	-1,390361463	N/A	N/A	AL050020	Inc-NMNAT2-2
A_21_P0013469	2,09321	2,56909	-1,390766286	ENST00000520255	157273	NR_040039	LOC157273
A_32_P133840	4,93208	5,40798	-1,390785566	ENST00000545499	9911	NM_014858	TMCC2
A_21_P0014095	1,6521	2,12805	-1,390833768	N/A	N/A	N/A	N/A
A_24_P49533	8,49679	8,97286	-1,390949459	ENST00000294353	79699	NM_024646	ZYG11B
A_22_P00017258	1,955	2,43111	-1,390988025	ENST00000453798	N/A	N/A	N/A
A_32_P509677	1,41215	1,88834	-1,39106516	ENST00000608990	284805	NM_182584	C20orf203
A_24_P6370	9,31136	9,78756	-1,391074802	ENST00000367910	339512	NM_178550	C1orf110
A_23_P251499	7,14574	7,62196	-1,391094087	ENST00000486440	5118	NM_002593	PCOLCE
A_22_P00022215	4,20987	4,68627	-1,39126766	ENST00000433460	N/A	N/A	N/A
A_23_P66137	4,64969	5,12611	-1,391286947	ENST00000566034	30812	NM_014587	SOX8

A_22_P00001802	1,56068	2,03717	-1,391354454	ENST00000567261	N/A	N/A	N/A
A_33_P3236426	5,49377	5,97033	-1,391421965	N/A	641928	AK131514	FLJ16734
A_23_P502654	8,46089	8,93751	-1,391479833	ENST00000395684	6470	NM_004169	SHMT1
A_22_P00001660	2,12442	2,60108	-1,391518414	N/A	N/A	N/A	Inc-ASF1A-1
A_23_P39110	11,8885	12,3652	-1,391556996	ENST00000594338	10856	NM_006666	RUVBL2
A_23_P152807	10,1147	10,5914	-1,391556996	ENST00000258955	55316	NM_018346	RSAD1
A_22_P00014490	6,10032	6,57703	-1,391566641	N/A	N/A	AK024952	Inc-SHFM1-1
A_22_P00018166	2,85936	3,33614	-1,391634162	ENST00000527895	100505622	NR_038332	LOC100505622
A_22_P00018754	3,78267	4,25951	-1,39169204	ENST00000574969	N/A	N/A	N/A
A_24_P246963	8,34638	8,82325	-1,391720979	ENST00000552545	N/A	N/A	N/A
A_33_P3309456	1,49539	1,97238	-1,391836744	ENST00000449981	1769	NM_001206927	DNAH8
A_33_P3663277	1,72837	2,20539	-1,391865687	ENST00000420171	339666	NR_038918	LOC339666
A_21_P0009459	5,25912	5,73616	-1,391884983	ENST00000586226	N/A	N/A	N/A
A_19_P00317913	3,12307	3,60015	-1,391923574	N/A	285830	NR_026973	HLA-F-AS1
A_23_P142750	11,136	11,6131	-1,391942871	ENST00000395127	5610	NM_002759	EIF2AK2
A_21_P0005407	5,26424	5,74139	-1,391991113	N/A	101927610	XR_252273	LOC101927610
A_22_P00020106	8,10693	8,58411	-1,392020058	N/A	N/A	N/A	Inc-SMG1-2
A_33_P3358908	8,68148	9,15884	-1,392193747	ENST00000391355	100507608	NM_001277331	KRTAP9-6
A_21_P0014601	12,5201	12,9975	-1,392232347	ENST00000466213	6421	XM_005271111	SFPQ
A_24_P407717	10,0501	10,5276	-1,392328853	ENST00000392562	2885	NM_002086	GRB2
A_24_P226108	5,69997	6,17752	-1,392377108	ENST00000295971	54502	NM_019027	RBM47
A_23_P92672	6,03663	6,5142	-1,39239641	ENST00000622858	100506658	NM_002538	OCLN
A_33_P3357530	12,9258	13,4034	-1,392425365	ENST00000611005	10723	NM_006598	SLC12A7
A_24_P294931	10,392	10,8696	-1,392425365	ENST00000230402	5528	NM_180976	PPP2R5D
A_21_P0007827	1,43463	1,91232	-1,392512232	N/A	101928705	XR_242929	LOC101928705
A_32_P175539	12,8589	13,3366	-1,392521884	ENST00000394885	5955	NM_002902	RCN2
A_23_P163227	13,7214	14,1991	-1,392521884	ENST00000413453	548596	NM_001015001	CKMT1A
A_21_P0006383	1,47782	1,95555	-1,392550841	N/A	N/A	N/A	Inc-CDK20-4
A_33_P3371318	1,65762	2,13539	-1,392589451	N/A	N/A	BC066548	N/A
A_23_P254733	10,8583	11,3361	-1,392618409	ENST00000502461	79682	NM_024629	CENPU
A_24_P7600	1,66209	2,13994	-1,392666675	ENST00000504595	23194	NM_012304	FBXL7
A_23_P151267	13,11	13,5879	-1,392714942	ENST00000552783	51474	NM_016357	LIMA1
A_22_P00003762	6,80782	7,28583	-1,392821135	N/A	N/A	N/A	Inc-CDIPT-2

A_22_P00023020	2,33446	2,81258	-1,392927336	N/A	N/A	N/A	Inc-MAP6D1-1
A_22_P00003397	5,31492	5,79305	-1,392936991	N/A	102725059	XR_433694	LOC102725059
A_22_P00015056	1,73826	2,21642	-1,392965957	N/A	N/A	N/A	Inc-SNRNP200-1
A_33_P3373805	6,14853	6,62669	-1,392965957	ENST00000515519	255187	N/A	LOC255187
A_22_P00004333	6,95794	7,4362	-1,393062513	ENST00000576313	N/A	XR_243725	N/A
A_22_P00013884	3,81505	4,29334	-1,393091482	ENST00000572349	N/A	N/A	N/A
A_22_P00022164	4,27178	4,75007	-1,393091482	ENST00000439406	102723474	BE961141	LOC102723474
A_23_P114929	10,9418	11,4201	-1,393101138	ENST00000271373	25874	NM_015415	MPC2
A_23_P101699	8,0572	8,53554	-1,393139763	ENST00000615225	84717	NM_032631	HDGFRP2
A_33_P3241756	6,06126	6,53963	-1,393168733	ENST00000517917	3551	AK309052	IKBKB
A_21_P0008621	2,05065	2,52903	-1,39317839	N/A	N/A	N/A	Inc-EIF2AK4-2
A_21_P0003909	2,01155	2,48997	-1,393217018	N/A	N/A	N/A	Inc-RP11-487E13.1.1-1
A_23_P45338	1,47261	1,95105	-1,393236332	ENST00000343571	80258	NM_025184	EFHC2
A_33_P3411741	6,34006	6,81863	-1,393361881	ENST00000278951	51092	NM_001040455	SIDT2
A_23_P88420	15,7471	16,2257	-1,393390855	ENST00000531430	4738	NM_006156	NEDD8
A_32_P80597	4,52476	5,00357	-1,393593693	ENST00000394607	79071	AK026192	ELOVL6
A_32_P23125	4,40838	4,88721	-1,393613013	ENST00000564492	140828	NR_001558	LINC00261
A_33_P3320943	14,2005	14,6794	-1,393680633	N/A	N/A	N/A	N/A
A_22_P00010400	1,4795	1,95842	-1,393699953	ENST00000432575	N/A	N/A	N/A
A_23_P48698	4,06349	4,54244	-1,393728935	ENST00000256389	8748	NM_003814	ADAM20
A_33_P3270203	5,04019	5,51917	-1,393757917	ENST00000273009	129563	NM_001257281	DIS3L2
A_33_P3217998	11,5374	12,0164	-1,393777239	ENST00000420396	246181	NR_040288	AKR7L
A_23_P81934	2,63443	3,11345	-1,393796561	ENST00000485548	80739	NM_025260	C6orf25
A_22_P00012618	2,35279	2,83188	-1,39386419	N/A	154860	NR_036484	FEZF1-AS1
A_23_P215132	9,20527	9,68442	-1,39392216	ENST00000466182	29062	NM_014149	WDR91
A_22_P00017148	3,30597	3,78512	-1,39392216	N/A	643339	NR_040096	LOC643339
A_23_P48339	7,53946	8,01865	-1,393960808	ENST00000470695	8100	NM_175605	IFT88
A_21_P0006485	1,48576	1,96495	-1,393960808	N/A	N/A	N/A	Inc-MAGEB10-1
A_33_P3262292	5,37823	5,85745	-1,393989795	ENST00000429160	26043	NM_015562	UBXN7
A_22_P00004462	1,43169	1,91105	-1,394125075	ENST00000503532	101929071	NR_121681	LINC01182
A_24_P146211	11,6127	12,0921	-1,394163729	ENST00000377777	3017	NM_021063	HIST1H2BD
A_21_P0002050	1,4741	1,95368	-1,394337685	ENST00000453936	N/A	N/A	N/A
A_21_P0014652	4,32921	4,80885	-1,394395675	N/A	N/A	BX114926	Inc-STX3-2

A_22_P00012861	1,50558	1,98527	-1,394444002	ENST00000422558	N/A	DB026764	N/A
A_33_P3272442	4,40861	4,88834	-1,394482665	N/A	100129195	NR_103455	ZSCAN16-AS1
A_33_P3400643	4,68708	5,16692	-1,394588993	ENST00000448963	643529	NR_038382	LINC00865
A_22_P00021490	2,46268	2,94252	-1,394588993	ENST00000518355	N/A	DB201663	N/A
A_22_P00024977	6,91215	7,39202	-1,394617993	N/A	N/A	BC015447	Inc-CETP-1
A_33_P3352718	1,58823	2,06814	-1,394656666	ENST00000548936	400073	BC046185	C12orf76
A_33_P3402103	6,24701	6,72697	-1,394704996	ENST00000483528	90529	NM_001199012	STPG1
A_22_P00017497	1,3966	1,87668	-1,39482101	ENST00000539206	N/A	N/A	N/A
A_33_P3798989	4,33222	4,81238	-1,394898357	N/A	399975	AK127847	FLJ45950
A_22_P00015747	1,8678	2,34808	-1,395014386	N/A	N/A	BX103036	Inc-TAF15-1
A_33_P3231761	1,68199	2,16235	-1,395091744	N/A	N/A	N/A	N/A
A_32_P106732	8,75775	9,2382	-1,395178777	ENST00000267430	57697	NM_020937	FANCM
A_23_P64243	4,23157	4,71205	-1,39520779	ENST00000264031	7379	NM_006760	UPK2
A_22_P00008647	5,24936	5,72998	-1,395343188	ENST00000558783	N/A	AY358648	N/A
A_23_P350895	5,22385	5,70452	-1,395391548	ENST00000317419	N/A	AK022408	N/A
A_22_P00005688	3,12959	3,61027	-1,39540122	N/A	101928418	NR_104605	LOC101928418
A_24_P518369	4,96584	5,44658	-1,395459254	ENST00000513203	N/A	N/A	N/A
A_22_P00019837	5,7529	6,23367	-1,395488272	N/A	N/A	N/A	Inc-GTDC1-6
A_21_P0013551	1,34358	1,82438	-1,395517291	N/A	N/A	N/A	XLOC_I2_014697
A_33_P3299309	3,56443	4,04529	-1,39557533	ENST00000431533	6158	NM_001136136	RPL28
A_24_P242688	11,0554	11,5363	-1,395614024	ENST00000380649	3030	NM_000182	HADHA
A_33_P3320698	1,70215	2,18306	-1,395623698	N/A	N/A	N/A	N/A
A_33_P3376007	12,474	12,955	-1,395710764	ENST00000373609	200081	NM_175852	TXLNA
A_21_P0002982	1,36988	1,8509	-1,395730113	N/A	N/A	N/A	Inc-ROBO2-4
A_24_P692426	1,55329	2,03431	-1,395730113	ENST00000431596	N/A	N/A	N/A
A_23_P154840	14,9531	15,4342	-1,395807511	ENST00000470944	6647	NM_000454	SOD1
A_22_P00002741	1,72668	2,2078	-1,395826861	ENST00000568332	N/A	BC035333	N/A
A_21_P0006879	1,80383	2,28496	-1,395836536	ENST00000610279	N/A	N/A	N/A
A_33_P3324786	8,04062	8,52178	-1,395865562	ENST00000217162	10732	XM_005260184	TCFL5
A_22_P00009206	1,44683	1,92806	-1,395933291	ENST00000412606	100506457	NR_110196	LOC100506457
A_33_P3324860	2,85633	3,33757	-1,395942967	ENST00000368192	2117	NM_001145312	ETV3
A_22_P00025194	1,52589	2,00718	-1,395991348	N/A	101928453	NR_120638	LOC101928453
A_24_P532180	6,66576	7,14705	-1,395991348	N/A	90246	NR_026954	LOC90246

A_23_P14928	11,7197	12,201	-1,396001024	ENST00000569980	57017	NM_020312	COQ9
A_23_P100912	6,57024	7,05168	-1,3961365	ENST00000394869	28964	NM_014030	GIT1
A_23_P258221	11,6202	12,1017	-1,396194564	ENST00000437205	10057	NM_005688	ABCC5
A_33_P3418731	3,21509	3,69682	-1,396417169	ENST00000495307	147947	NR_003127	ZNF542P
A_33_P3333777	8,53046	9,0122	-1,396426848	N/A	100129387	NR_024490	GABPB1-AS1
A_33_P3284533	2,99281	3,47459	-1,396465566	ENST00000390440	N/A	L06884	N/A
A_33_P3883985	1,5312	2,01303	-1,396513965	ENST00000565467	64788	NR_036442	LMF1
A_23_P114221	12,9147	13,3967	-1,396678532	ENST00000465244	5931	NM_002893	RBBP7
A_24_P272225	9,10748	9,58953	-1,396726938	N/A	645676	NR_027023	ASH1L-AS1
A_33_P3298577	6,88127	7,36346	-1,396862484	ENST00000602398	55206	NM_001167856	SBNO1
A_33_P3333488	12,0835	12,5657	-1,396872167	ENST00000567398	3029	NM_001040427	HAGH
A_33_P3290924	11,4986	11,9809	-1,396968994	ENST00000468274	573	NM_001172415	BAG1
A_21_P0000585	13,2891	13,7715	-1,397065828	ENST00000540486	58485	NM_021210	TRAPPC1
A_23_P209360	10,6583	11,1407	-1,397065828	ENST00000486442	114818	NM_052920	KLHL29
A_23_P162010	1,68806	2,17049	-1,397094879	ENST00000525462	887	NM_176875	CCKBR
A_21_P0013501	6,00384	6,48636	-1,397182037	ENST00000297518	N/A	N/A	XLOC_I2_014331
A_33_P3323059	3,73246	4,21506	-1,397259516	ENST00000595202	162967	AK307375	ZNF320
A_23_P422115	9,41639	9,89909	-1,39735637	ENST00000371789	138162	NM_001048265	C9orf116
A_21_P0002490	1,55398	2,03668	-1,39735637	N/A	N/A	N/A	Inc-NPHP1-1
A_23_P403955	9,22723	9,71007	-1,397491976	ENST00000611008	23435	NM_007375	TARDBP
A_22_P00017308	3,23507	3,71801	-1,397588847	ENST00000453910	388815	NR_027790	MIR99AHG
A_24_P261169	4,3459	4,82887	-1,397617909	ENST00000422704	10507	NM_006378	SEMA4D
A_22_P00017616	6,53155	7,01453	-1,397627596	N/A	400604	NR_038458	TOB1-AS1
A_22_P00002102	3,23484	3,71783	-1,397637284	ENST00000421320	101929445	XR_246525	LOC101929445
A_33_P3265941	8,86004	9,34304	-1,397646972	ENST00000513713	N/A	N/A	N/A
A_33_P3344229	8,64605	9,12909	-1,397685723	N/A	8359	NM_003538	HIST1H4A
A_23_P105571	5,82202	6,30537	-1,397986084	ENST00000550385	56994	NM_020244	CHPT1
A_33_P3415240	1,58076	2,06415	-1,398024845	ENST00000472943	730091	NR_038387	LINC00886
A_33_P3320077	1,45933	1,94279	-1,398092679	ENST00000543693	4781	NM_001282787	NFIB
A_21_P0008825	1,62277	2,1063	-1,398160517	N/A	N/A	N/A	Inc-MAPK6-10
A_33_P3336700	9,78163	10,2652	-1,398199283	ENST00000296043	57619	NM_020859	SHROOM3
A_21_P0004133	3,54929	4,03289	-1,398228358	ENST00000510261	N/A	N/A	N/A
A_33_P3377691	5,66692	6,15052	-1,398228358	ENST00000379205	201725	NM_001008393	C4orf46

A_21_P0009743	1,60951	2,09312	-1,39823805	N/A	N/A	N/A	Inc-ZNF100-3
A_33_P3348091	7,93738	8,42101	-1,398257433	ENST00000318809	8425	NM_001042544	LTBP4
A_21_P0001327	1,93645	2,42011	-1,39828651	N/A	N/A	N/A	Inc-LPHN2-1
A_23_P166686	13,2427	13,7264	-1,398325279	ENST00000422605	51421	NM_016201	AMOTL2
A_22_P00017645	3,89428	4,37806	-1,398402821	ENST00000469806	N/A	N/A	N/A
A_24_P142495	10,858	11,3418	-1,398422207	ENST00000344363	81850	NM_030966	KRTAP1-3
A_21_P0003632	1,54991	2,03376	-1,398470673	N/A	N/A	N/A	Inc-RAP1GDS1-3
A_32_P84454	4,76817	5,25207	-1,398519141	N/A	100129794	NR_033240	SLC25A21-AS1
A_23_P62901	11,3661	11,85	-1,398519141	ENST00000475157	7832	NM_006763	BTG2
A_22_P00016133	1,43716	1,92107	-1,398528835	ENST00000465249	101929754	NR_121661	LOC101929754
A_22_P00014175	2,67101	3,15494	-1,398548223	N/A	100505501	XR_108911	LOC100505501
A_21_P0012491	1,55088	2,03489	-1,398625777	N/A	645206	NR_038840	LINC00693
A_21_P0000516	2,22062	2,70464	-1,398635472	N/A	653492	NR_026824	PSG10P
A_33_P3347413	6,58827	7,07229	-1,398635472	ENST00000368463	57326	NM_020524	PBXIP1
A_23_P331700	6,69751	7,18182	-1,398916644	ENST00000612155	222183	NM_001291831	SRRM3
A_33_P3282018	3,33174	3,81608	-1,398945733	ENST00000375597	23263	NM_024979	MCF2L
A_21_P0006207	3,40122	3,8856	-1,398984521	N/A	N/A	N/A	Inc-RAD23B-8
A_33_P3284404	8,70752	9,19198	-1,399062099	ENST00000415332	9145	NM_145731	SYNGR1
A_22_P00025898	2,82725	3,31173	-1,399081495	N/A	N/A	N/A	Inc-B9D1-1
A_23_P108835	11,3113	11,7959	-1,399197872	ENST00000379520	51646	NM_016061	YPEL5
A_23_P31399	12,213	12,6976	-1,399197872	ENST00000222572	5445	NM_000305	PON2
A_33_P3320277	5,41536	5,90017	-1,399401555	ENST00000235329	9927	NM_014874	MFN2
A_33_P3420235	1,57573	2,06055	-1,399411255	ENST00000367534	10092	N/A	ARPC5
A_22_P00020609	5,71842	6,20326	-1,399430655	N/A	100286938	NR_026668	VPS13A-AS1
A_24_P365327	12,124	12,6089	-1,399488857	ENST00000570462	26065	NM_015578	LSM14A
A_21_P0012522	1,40879	1,89377	-1,399566463	ENST00000423318	100507391	N/A	LOC100507391
A_33_P3363645	5,24728	5,73228	-1,399585866	ENST00000504385	4245	NM_001114618	MGAT1
A_21_P0005050	1,36229	1,84734	-1,399634372	N/A	101927664	XR_250087	LOC101927664
A_22_P00024424	3,78492	4,26999	-1,399653776	N/A	104326055	NR_126362	APOA1-AS
A_24_P370887	11,8837	12,3688	-1,399682881	ENST00000054666	9341	NM_004781	VAMP3
A_23_P66854	2,11817	2,60328	-1,399692583	ENST00000167588	54474	NM_019010	KRT20
A_23_P159101	9,45018	9,9353	-1,399702285	ENST00000412157	11066	NM_022717	SNRNP35
A_23_P419150	1,38508	1,8703	-1,399799308	ENST00000325980	27287	NM_014468	VENTX

A_21_P0011582	6,54607	7,0313	-1,399809011	ENST00000582878	N/A	N/A	N/A
A_33_P3419865	4,0541	4,53938	-1,399857525	N/A	N/A	N/A	Inc-C5orf42-2
A_33_P3373273	3,45609	3,94137	-1,399857525	ENST00000376503	6564	NM_005073	SLC15A1
A_23_P204696	8,98486	9,4702	-1,399915745	ENST00000228872	1027	NM_004064	CDKN1B
A_22_P00023107	4,14306	4,62849	-1,400003079	N/A	N/A	N/A	Inc-CCDC37-3
A_22_P00015573	5,69141	6,17689	-1,4000516	N/A	N/A	N/A	Inc-STT3B-1
A_23_P109382	1,52302	2,00852	-1,400071009	ENST00000086933	2928	NM_005315	GSC2
A_22_P00022351	1,65851	2,14406	-1,400119533	ENST00000522228	N/A	AW405469	N/A
A_33_P3284919	7,16855	7,65424	-1,400255408	ENST00000341697	10500	NM_001178061	SEMA6C
A_23_P39955	2,03851	2,52426	-1,400313644	ENST00000438902	72	NM_001615	ACTG2
A_33_P3474859	9,43908	9,92495	-1,400430124	N/A	N/A	BC110369	Inc-RP11-195B21.3.1-2
A_24_P134789	7,00856	7,49452	-1,40051749	ENST00000380095	353333	NM_181688	KRTAP10-10
A_21_P0001300	3,11165	3,59763	-1,400536905	N/A	N/A	N/A	Inc-BSND-1
A_23_P120776	11,2415	11,7275	-1,400556321	ENST00000470922	6576	NM_005984	SLC25A1
A_23_P142969	4,41556	4,90158	-1,400575737	ENST00000614034	7549	NM_021088	ZNF2
A_21_P0007203	1,51873	2,00487	-1,400692238	N/A	N/A	N/A	Inc-PRDM11-2
A_23_P137016	13,9703	14,4565	-1,400750493	ENST00000474223	6303	NM_002970	SAT1
A_33_P3234402	2,23987	2,72618	-1,400857299	N/A	N/A	N/A	N/A
A_21_P0000996	1,3747	1,86108	-1,40092527	ENST00000418242	100505940	N/A	LOC100505940
A_33_P3380897	11,0383	11,5247	-1,400944691	N/A	528	NM_001695	ATP6V1C1
A_21_P0010630	1,66531	2,15178	-1,401012667	ENST00000421931	101927498	NR_110633	LINC01361
A_24_P330385	4,44756	4,93404	-1,401022378	ENST00000474774	51310	NM_016609	SLC22A17
A_23_P101013	10,4523	10,9388	-1,401041801	ENST00000591436	11322	NM_007267	TMC6
A_19_P00319765	3,43745	3,92403	-1,401119493	ENST00000469178	201617	N/A	LINC00870
A_21_P0005126	1,36411	1,85072	-1,401148629	N/A	N/A	N/A	Inc-LIN28B-3
A_19_P00322929	7,26831	7,75494	-1,401168053	ENST00000513179	N/A	N/A	N/A
A_33_P3346716	1,49753	1,98437	-1,401372023	N/A	N/A	N/A	N/A
A_21_P0004931	1,35205	1,83901	-1,401488591	N/A	101927959	XR_245585	LOC101927959
A_23_P257355	1,48133	1,96832	-1,401517734	ENST00000039007	5009	NM_000531	OTC
A_24_P399888	9,28276	9,76978	-1,401546879	ENST00000396437	79019	XR_244383	CENPM
A_22_P00023946	1,93848	2,42567	-1,40171204	N/A	N/A	BX114413	Inc-STK3-3
A_23_P144384	11,0677	11,5549	-1,401721756	ENST00000265000	51809	NM_017423	GALNT7
A_22_P00004088	3,38992	3,87713	-1,401731472	ENST00000509470	N/A	AF086288	N/A



A_22_P00010852	3,70615	4,19343	-1,401799486	ENST00000500728	4043	NM_002337	LRPAP1
A_22_P00021344	2,11838	2,60568	-1,401818919	N/A	N/A	BX092254	Inc-RP11-324D17.1.1-2
A_32_P30710	16,3074	16,7947	-1,401818919	ENST00000584583	9349	NM_000978	RPL23
A_24_P72364	1,76476	2,2521	-1,401857786	ENST00000259870	29113	NM_014070	C6orf15
A_21_P0013442	1,39244	1,8798	-1,40187722	ENST00000446187	N/A	N/A	N/A
A_23_P71790	7,20468	7,69211	-1,401945241	ENST00000445819	158056	NM_206920	MAMDC4
A_33_P3527721	8,13549	8,62292	-1,401945241	N/A	284219	AK094436	LOC284219
A_22_P00017844	6,08379	6,57125	-1,401974394	ENST00000585873	54877	NR_126534	ZCCHC2
A_33_P3888365	9,08209	9,56957	-1,40199383	ENST00000616024	54665	NM_018364	RSBN1
A_33_P3402968	1,5023	1,9898	-1,402013266	ENST00000400588	128954	NM_001037814	GAB4
A_33_P3217123	13,6422	14,1301	-1,40240204	ENST00000616144	83596	NM_138639	BCL2L12
A_32_P152204	1,6207	2,10864	-1,402440924	ENST00000456080	401067	NM_001085479	IQCF3
A_24_P940166	7,83249	8,32045	-1,402460366	ENST00000456849	9060	NM_001015880	PAPSS2
A_33_P6818629	3,33983	3,82787	-1,402538137	N/A	400960	NR_033872	PCBP1-AS1
A_21_P0002423	1,37683	1,86487	-1,402538137	N/A	N/A	N/A	Inc-HNRPLL-1
A_22_P00011470	2,91748	3,40555	-1,402567302	ENST00000572266	283875	NR_033861	LINC00514
A_21_P0014438	2,06513	2,55329	-1,402654801	N/A	N/A	N/A	N/A
A_23_P4919	11,5408	12,0292	-1,40288816	ENST00000330720	10945	NM_006801	KDELRL1
A_33_P3605269	2,57213	3,06056	-1,402917332	ENST00000533985	283102	NR_027713	KRT8P41
A_21_P0010643	1,41937	1,90783	-1,402946506	N/A	N/A	N/A	XL0C_I2_001064
A_23_P156852	11,3493	11,8378	-1,402985404	ENST00000464583	10455	NM_206836	ECI2
A_23_P149064	8,81541	9,30393	-1,403004854	ENST00000493601	10076	NM_005704	PTPRU
A_23_P146367	14,3442	14,8328	-1,403082655	ENST00000490488	84270	NM_032310	C9orf89
A_33_P3281033	6,57299	7,06163	-1,403121557	N/A	140733	BC035876	MACROD2
A_23_P254831	5,02171	5,51037	-1,403141009	ENST00000378988	4113	NM_002364	MAGEB2
A_21_P0004522	1,88318	2,37197	-1,40326745	N/A	N/A	N/A	Inc-FAM174A-1
A_33_P3234855	5,55345	6,04227	-1,403296631	ENST00000367524	7402	NM_007124	UTRN
A_21_P0012985	4,666	5,15485	-1,403325812	N/A	N/A	N/A	Inc-FGF10-3
A_23_P103226	2,2993	2,78817	-1,403345266	ENST00000493636	2166	NM_001441	FAAH
A_23_P92154	10,0838	10,5727	-1,403374448	ENST00000509828	8930	NM_003925	MBD4
A_22_P00004373	4,34087	4,82977	-1,403374448	ENST00000446184	N/A	N/A	N/A
A_23_P360291	3,79439	4,28342	-1,403500911	ENST00000480730	6892	AF067286	TAPBP
A_23_P135474	12,2617	12,7508	-1,403569011	ENST00000336230	51253	NM_016491	MRPL37

A_22_P00008991	5,28618	5,77529	-1,403578739	N/A	100874068	NR_120385	GRTP1-AS1
A_23_P4909	10,1738	10,663	-1,403666302	ENST00000599687	6625	NM_003089	SNRNP70
A_22_P00020716	3,75196	4,24122	-1,40372468	N/A	N/A	N/A	Inc-ZNF852-2
A_24_P64407	6,35525	6,8446	-1,403812252	ENST00000339992	3167	NM_005519	HMX2
A_22_P00002613	1,83845	2,32784	-1,403851174	ENST00000420143	400110	NR_073430	ANKRD20A19P
A_24_P354337	5,00357	5,49296	-1,403851174	ENST00000496713	84100	NM_032146	ARL6
A_22_P00025265	3,97982	4,46921	-1,403851174	ENST00000555693	N/A	CR737186	N/A
A_21_P0013846	11,4609	11,9505	-1,404055535	ENST00000423617	550643	NR_015367	LINC01420
A_23_P59138	9,29327	9,78294	-1,404123662	ENST00000620031	5460	NM_002701	POU5F1
A_22_P00002961	1,48295	1,97264	-1,404143127	N/A	N/A	DA821820	Inc-C5orf63-3
A_23_P35970	10,1075	10,5973	-1,404250192	ENST00000527992	2542	NM_001467	SLC37A4
A_23_P120442	9,78362	10,2735	-1,404328062	ENST00000371997	8202	NM_181659	NCOA3
A_24_P269895	10,1858	10,6759	-1,404542228	ENST00000401429	220988	NM_194247	HNRNPA3
A_23_P29079	10,1614	10,6515	-1,404542228	ENST00000495274	5211	NM_001002021	PFKL
A_24_P361006	11,4961	11,9863	-1,404639587	ENST00000544675	4704	NM_005002	NDUFA9
A_23_P147277	11,9871	12,4774	-1,404736952	ENST00000577197	283989	NM_207346	TSEN54
A_21_P0005507	1,38655	1,87695	-1,404834325	N/A	N/A	N/A	Inc-RFC2-1
A_33_P3214948	3,5309	4,02143	-1,404960919	ENST00000373109	9806	NM_014767	SPOCK2
A_21_P0012841	1,64459	2,13523	-1,405068046	ENST00000510302	102724855	N/A	CTD-2151A2.1
A_19_P00318909	4,28384	4,77449	-1,405077785	N/A	N/A	N/A	XLOC_I2_010751
A_33_P3364964	6,62669	7,11736	-1,405097264	N/A	100129596	AK130913	LOC100129596
A_33_P3282318	3,70969	4,20038	-1,405116742	ENST00000328558	N/A	N/A	N/A
A_21_P0005120	5,07362	5,56432	-1,405126482	ENST00000427048	N/A	N/A	N/A
A_33_P3363425	6,32895	6,81969	-1,405165441	ENST00000621208	257019	NM_174938	FRMD3
A_33_P3359120	1,42664	1,91739	-1,405175181	ENST00000424940	N/A	N/A	N/A
A_22_P00009405	2,07655	2,56732	-1,405194661	N/A	102723391	XR_425895	LOC102723391
A_22_P00013857	8,62534	9,11616	-1,405243362	N/A	N/A	AK098234	Inc-RPL7L1-1
A_21_P0009329	7,08497	7,57585	-1,405301806	N/A	N/A	N/A	Inc-COPZ2-1
A_32_P30905	1,39115	1,88212	-1,405389476	ENST00000325239	57705	NM_020945	WDFY4
A_23_P166023	12,0341	12,5251	-1,4054187	ENST00000487129	5203	NM_002623	PFDN4
A_22_P00009054	3,90897	4,39999	-1,405438184	N/A	N/A	N/A	Inc-LEKR1-4
A_23_P359277	7,46156	7,95259	-1,405447925	ENST00000425382	79993	NM_024930	ELOVL7
A_21_P0008991	1,60999	2,10107	-1,405496635	N/A	N/A	N/A	Inc-JPH3-3

A_23_P69329	6,70177	7,19286	-1,405506378	ENST00000320295	3373	NM_153281	HYAL1
A_22_P00016082	3,14646	3,63756	-1,40551612	N/A	N/A	N/A	Inc-THBS3-1
A_22_P00006365	3,5002	3,99139	-1,405603803	N/A	N/A	AK296065	Inc-FASTK-1
A_33_P3351735	2,10906	2,60028	-1,405633032	ENST00000333861	55231	NM_018219	CCDC87
A_33_P3404950	4,40487	4,89615	-1,405691492	ENST00000322753	440574	NM_001204083	MINOS1
A_33_P3370812	6,85886	7,35016	-1,405710979	N/A	23216	BC028196	TBC1D1
A_24_P99795	10,8933	11,3846	-1,405710979	ENST00000085068	79763	NM_024710	ISOC2
A_22_P00025114	1,53839	2,02987	-1,405886376	N/A	N/A	N/A	Inc-POU5F1B-3
A_33_P3371698	1,51689	2,00837	-1,405886376	N/A	N/A	N/A	N/A
A_23_P51711	3,76402	4,25553	-1,405915611	ENST00000488764	51032	NM_015849	CELA2B
A_23_P152115	13,5784	14,07	-1,406003319	ENST00000568561	4832	NM_002513	NME3
A_32_P28685	12,0203	12,5119	-1,406003319	ENST00000272567	6627	NM_003090	SNRPA1
A_24_P41408	2,68258	3,17426	-1,406081287	N/A	100128374	XR_108730	LOC100128374
A_21_P0009119	9,02497	9,51677	-1,406198246	N/A	N/A	N/A	Inc-SPIRE2-1
A_33_P3234859	6,47528	6,96716	-1,406276224	ENST00000367545	7402	NM_007124	UTRN
A_21_P0007913	7,59105	8,08296	-1,406305467	ENST00000413591	N/A	N/A	N/A
A_23_P326319	6,76526	7,25729	-1,406422445	ENST00000452191	89927	NM_033201	C16orf45
A_22_P00003785	3,98261	4,47473	-1,406510185	ENST00000476282	285973	NM_173681	ATG9B
A_21_P0002756	1,64444	2,13672	-1,406666181	ENST00000473938	N/A	N/A	N/A
A_23_P218047	15,4589	15,9512	-1,406685682	ENST00000252242	3852	NM_000424	KRT5
A_24_P11436	4,90001	5,39231	-1,406685682	ENST00000488771	55001	NM_017904	TTC22
A_23_P371865	4,85997	5,35231	-1,406724684	ENST00000570137	124359	NM_152342	CDYL2
A_23_P46396	9,07626	9,5686	-1,406724684	ENST00000370197	58155	NM_021190	PTBP2
A_22_P00012487	1,36698	1,85934	-1,406744185	N/A	N/A	N/A	Inc-PRSS38-1
A_22_P00000227	2,29809	2,79046	-1,406753936	N/A	N/A	AY312371	Inc-AC005493.1-1
A_33_P3234540	10,4619	10,9543	-1,406783189	N/A	N/A	N/A	N/A
A_33_P3396951	9,54213	10,0346	-1,406851448	ENST00000620910	665	NM_004331	BNIP3L
A_21_P0009234	5,56924	6,06192	-1,407056246	N/A	N/A	N/A	Inc-AC003101.1.1-1
A_23_P135486	1,63094	2,12376	-1,407192794	ENST00000302312	51327	NM_016633	AHSP
A_23_P127095	15,118	15,611	-1,407368375	ENST00000369811	84833	NM_032747	USMG5
A_22_P00011638	1,37957	1,87272	-1,40751471	N/A	101927206	XR_425550	LOC101927206
A_24_P185186	1,93991	2,4333	-1,407748877	ENST00000503131	201191	NM_174920	SAMD14
A_23_P366216	12,7328	13,2263	-1,407856217	N/A	8345	NM_003524	HIST1H2BH

A_23_P3982	13,409	13,9026	-1,407953805	ENST00000498164	84299	NM_032339	MIEN1
A_22_P00006749	1,5334	2,02701	-1,407963564	ENST00000559318	N/A	N/A	N/A
A_23_P16384	1,50281	1,9965	-1,408041641	ENST00000592784	199713	NM_139176	NLRP7
A_21_P0000194	2,86959	3,36335	-1,408109961	N/A	51363	NM_001270765	CHST15
A_24_P174503	6,16957	6,66333	-1,408109961	ENST00000399379	275	NM_000481	AMT
A_23_P303317	9,63283	10,1266	-1,408119721	ENST00000515545	79364	NM_025112	ZXDC
A_24_P160874	11,3626	11,8564	-1,408149002	ENST00000617900	1854	NM_001025248	DUT
A_33_P3317473	5,70452	6,19838	-1,408207567	ENST00000397284	N/A	N/A	N/A
A_32_P9575	9,58243	10,0763	-1,408217328	ENST00000573318	84311	NM_032351	MRPL45
A_33_P3373203	7,71425	8,20812	-1,408217328	N/A	N/A	AK126778	N/A
A_23_P107322	7,56645	8,06037	-1,408266134	ENST00000480954	84940	NM_032854	CORO6
A_22_P00022019	1,40894	1,90287	-1,408275895	N/A	N/A	N/A	Inc-ARRB2-2
A_23_P129786	16,3267	16,8207	-1,408344227	ENST00000395751	6720	NM_001005291	SREBF1
A_22_P00001170	2,2812	2,77525	-1,408393037	ENST00000579981	N/A	N/A	N/A
A_33_P3228385	14,8966	15,3907	-1,408441849	ENST00000335514	93974	NM_016311	ATPIF1
A_23_P422718	1,38443	1,87859	-1,408500426	ENST00000372236	5429	NM_006502	POLH
A_24_P324011	7,99586	8,49006	-1,408539478	ENST00000322444	23510	NM_015353	KCTD2
A_22_P00008311	5,60461	6,09887	-1,408598059	N/A	N/A	KF925354	Inc-ITGB3BP-1
A_33_P3423285	2,84271	3,33698	-1,408607823	N/A	N/A	BC132680	Inc-SRGAP3-1
A_33_P3812669	11,8327	12,327	-1,408637114	ENST00000540424	23710	NM_031412	GABARAPL1
A_23_P121976	1,4103	1,90465	-1,408685935	ENST00000230732	5459	NM_002700	POU4F3
A_22_P00016912	1,71782	2,21234	-1,408851937	N/A	N/A	DR157277	Inc-TSN-4
A_33_P3278068	10,2889	10,7835	-1,408930063	ENST00000239882	1997	NM_001145353	ELF1
A_32_P45493	11,5665	12,0611	-1,408930063	ENST00000341154	10772	NM_006625	SRSF10
A_22_P00005335	4,2493	4,74391	-1,408939829	ENST00000484028	N/A	N/A	N/A
A_22_P00008997	5,22859	5,72327	-1,409008192	ENST00000430429	N/A	N/A	N/A
A_32_P507710	7,33725	7,83201	-1,409086327	ENST00000479693	375133	NR_003700	PI4KAP2
A_32_P16854	10,2687	10,7635	-1,409125395	ENST00000508755	25847	NM_015391	ANAPC13
A_33_P3371708	1,44932	1,94423	-1,40923284	N/A	N/A	N/A	N/A
A_22_P00008767	1,95815	2,45308	-1,409252376	N/A	N/A	N/A	Inc-KIF16B-2
A_22_P00003977	6,10647	6,6015	-1,409350061	N/A	N/A	N/A	Inc-CHD9-1
A_33_P3260509	1,43479	1,92983	-1,40935983	ENST00000443330	N/A	N/A	N/A
A_23_P218646	12,3361	12,8312	-1,409418445	ENST00000496281	8771	NM_003823	TNFRSF6B

A_33_P3273238	8,81348	9,30863	-1,409467293	ENST00000598199	162967	NM_207333	ZNF320
A_23_P503200	10,8778	11,373	-1,409516142	ENST00000621772	55274	NM_018288	PHF10
A_33_P6592586	3,09732	3,59253	-1,409525912	ENST00000344312	90627	N/A	STARD13
A_33_P3373765	9,27638	9,77163	-1,409564993	ENST00000611962	1815	NM_000797	DRD4
A_33_P3232937	4,71454	5,2099	-1,409672471	N/A	100289178	NR_040077	GNG12-AS1
A_23_P15375	9,16042	9,65594	-1,409828817	ENST00000245543	79637	AK025813	ARMC7
A_33_P3414122	9,5398	10,0354	-1,409906997	ENST00000523638	339324	NM_001012756	ZNF260
A_23_P112950	9,65315	10,1488	-1,409955862	ENST00000540793	55729	NM_018179	ATF7IP
A_22_P00001175	1,50639	2,00216	-1,410073143	ENST00000556271	N/A	N/A	N/A
A_23_P54692	6,19838	6,69422	-1,410141562	N/A	101927910	XM_005256332	LOC101927910
A_22_P00006984	3,81739	4,31333	-1,410239309	N/A	N/A	N/A	Inc-GDPD4-1
A_23_P71867	7,07533	7,57137	-1,410337063	ENST00000602473	3590	NM_001142784	IL11RA
A_33_P3217009	5,97517	6,47127	-1,410395718	N/A	154860	NR_036484	FEZF1-AS1
A_33_P3814721	2,36341	2,85958	-1,410464153	ENST00000530161	387755	NM_001031853	INSC
A_24_P152094	13,0896	13,5858	-1,410493483	ENST00000377951	N/A	XM_003960530	N/A
A_23_P66777	10,5768	11,073	-1,410493483	ENST00000531206	996	NM_001256	CDC27
A_23_P16116	8,54075	9,03698	-1,410522814	ENST00000596216	53916	NM_016154	RAB4B
A_23_P140563	8,0968	8,59304	-1,410532591	ENST00000494567	64927	NM_001288615	TTC23
A_33_P3314301	4,20559	4,70186	-1,410561922	ENST00000502798	22987	NM_014979	SV2C
A_33_P3336992	8,77641	9,2727	-1,410581477	ENST00000473020	28973	NM_014046	MRPS18B
A_21_P0004863	7,40712	7,90353	-1,410698811	ENST00000607119	N/A	XR_427900	N/A
A_23_P115356	12,9114	13,4079	-1,410786817	ENST00000235835	8574	NM_003689	AKR7A2
A_22_P00007371	1,57393	2,07043	-1,410786817	N/A	N/A	N/A	Inc-GREM2-7
A_22_P00003701	4,85482	5,35132	-1,410786817	ENST00000563855	N/A	N/A	N/A
A_24_P243776	10,3141	10,8106	-1,410786817	ENST00000361946	11179	NM_021994	ZNF277
A_23_P382506	2,5813	3,07792	-1,410904168	ENST00000570470	26184	NR_002169	OR1F2P
A_33_P3269218	7,90819	8,40484	-1,410933507	ENST00000465256	576	NM_001294335	BAI2
A_24_P41021	7,57208	8,06876	-1,410962847	ENST00000298097	254170	NM_203301	FBXO33
A_33_P3337009	7,88761	8,38431	-1,410982407	ENST00000372560	79717	NM_001287507	PPCS
A_24_P233850	10,4115	10,9083	-1,411080213	ENST00000392169	6391	NM_003001	SDHC
A_22_P00022664	1,79288	2,2897	-1,411099774	ENST00000424395	N/A	N/A	N/A
A_22_P00017735	5,86568	6,36273	-1,411324755	N/A	N/A	AK000085	nc-XXbac-B461K10.4.1-
A_23_P252740	7,51506	8,01222	-1,411432368	ENST00000313655	79075	NM_024094	DSCC1

A_33_P3254331	5,74975	6,24701	-1,411530204	ENST00000375949	11330	NM_007272	CTRC
A_21_P0004400	1,48945	1,98674	-1,411559556	N/A	N/A	N/A	Inc-PDE4D-1
A_24_P245322	7,91193	8,40923	-1,41156934	ENST00000585981	5573	NM_212472	PRKAR1A
A_24_P142983	11,059	11,5563	-1,41156934	ENST00000477245	5297	NM_058004	PI4KA
A_23_P77818	15,2958	15,7931	-1,41156934	ENST00000580649	10476	NM_006356	ATP5H
A_33_P3222867	3,12176	3,61914	-1,411647617	N/A	7059	CR933610	THBS3
A_21_P0002436	2,46646	2,96392	-1,411725897	N/A	N/A	N/A	Inc-ATP6V1E2-2
A_24_P201381	4,72677	5,22438	-1,411872685	ENST00000311575	143282	NM_152429	FGFBP3
A_24_P202558	5,85019	6,34787	-1,411941191	ENST00000222345	23094	NM_015073	SIPA1L3
A_23_P95640	3,08112	3,57892	-1,412058638	ENST00000582070	440712	NM_001007544	C1orf186
A_23_P386168	10,5127	11,0106	-1,412156518	ENST00000552360	255783	NM_178511	INAFM1
A_24_P913115	8,98904	9,48697	-1,412185883	ENST00000371953	5728	NM_000314	PTEN
A_33_P3237905	1,55517	2,05311	-1,412195672	N/A	N/A	N/A	N/A
A_32_P227605	3,11829	3,61634	-1,41230335	ENST00000334176	388531	NM_207391	RGS9BP
A_33_P3346083	1,97017	2,46823	-1,41231314	ENST00000452803	341019	NM_181807	DCDC1
A_24_P160969	8,03122	8,52937	-1,412401247	ENST00000533937	9537	NM_001258320	TP53I11
A_23_P55281	5,71794	6,21611	-1,412420827	ENST00000567101	3217	NM_004502	HOXB7
A_24_P356338	11,359	11,8572	-1,412450198	ENST00000565985	11345	NM_007285	GABARAPL2
A_21_P0011165	1,44053	1,93879	-1,412508941	N/A	N/A	N/A	XLOC_I2_003877
A_33_P3605529	1,35829	1,85663	-1,41258727	ENST00000612023	400548	NR_033984	LOC400548
A_21_P0007832	1,4707	1,96904	-1,41258727	N/A	283463	N/A	MUC19
A_22_P00009751	2,06454	2,56295	-1,41265581	N/A	N/A	N/A	Inc-ME3-1
A_23_P60130	13,4134	13,9119	-1,412743939	ENST00000614891	114569	NM_052886	MAL2
A_23_P62731	11,3602	11,8587	-1,412743939	ENST00000367677	63931	NM_022100	MRPS14
A_22_P00018558	4,87146	5,37023	-1,413008359	ENST00000572821	N/A	N/A	N/A
A_22_P00017051	3,88289	4,38167	-1,413018153	N/A	N/A	N/A	Inc-TUBA1C-1
A_23_P2967	10,9265	11,4254	-1,413135689	ENST00000557391	8906	NM_003917	AP1G2
A_33_P3800496	1,64758	2,14666	-1,413312012	N/A	677827	BX470739	SNORA46
A_22_P00013280	4,21152	4,71071	-1,413419776	N/A	N/A	AK026763	Inc-RP11-105C20.2.1-4
A_22_P00001140	1,71124	2,21057	-1,413556942	N/A	N/A	N/A	Inc-AMDHD1-2
A_33_P3266783	2,64163	3,14099	-1,413586336	ENST00000580729	N/A	N/A	N/A
A_24_P912439	1,66455	2,16392	-1,413596135	ENST00000312033	80709	AB075848	AKNA
A_24_P497318	4,20222	4,70167	-1,413674523	ENST00000560518	100129973	NR_102751	LOC100129973

A_23_P90296	7,67001	8,16958	-1,413792114	ENST00000348817	9149	NM_004714	DYRK1B
A_33_P3659678	9,30668	9,80629	-1,413831313	ENST00000487099	2649	NM_033334	NR6A1
A_32_P31771	5,30925	5,80888	-1,413850913	ENST00000409660	80856	NM_030650	KIAA1715
A_21_P0004483	1,46208	1,96175	-1,413890114	N/A	N/A	N/A	Inc-IRX1-4
A_22_P00017044	1,50621	2,00603	-1,414037127	N/A	101927434	NR_125943	LOC101927434
A_23_P371885	8,39056	8,89045	-1,414105738	ENST00000615623	51326	NM_016632	ARL17A
A_33_P3424108	4,07866	4,57862	-1,414174353	N/A	N/A	N/A	N/A
A_22_P00015007	1,63349	2,13345	-1,414174353	N/A	N/A	N/A	Inc-SMOC2-1
A_33_P3363340	1,41764	1,91764	-1,414213562	ENST00000469981	389177	N/A	TMEM212
A_21_P0013659	3,03872	3,53872	-1,414213562	N/A	N/A	N/A	XLOC_I2_015216
A_22_P00025922	4,96005	5,46009	-1,414252773	ENST00000594927	101929007	XR_244108	LOC101929007
A_23_P103201	11,3528	11,8529	-1,414311592	ENST00000334351	55629	NM_017761	PNRC2
A_33_P3267230	9,85603	10,3562	-1,414380216	ENST00000611281	414059	NM_001001417	TBC1D3B
A_23_P168567	14,1607	14,6609	-1,414409628	ENST00000544802	2969	NM_032999	GTF2I
A_33_P3255274	7,67686	8,17708	-1,414429236	N/A	26505	NM_017623	CNNM3
A_32_P528967	1,43878	1,93903	-1,414458648	ENST00000312295	132112	NM_153708	RTP1
A_21_P0005130	3,82187	4,32213	-1,414468452	N/A	N/A	N/A	Inc-TRMT11-1
A_33_P3313796	10,1047	10,605	-1,41450767	ENST00000328697	91057	NM_030771	CCDC34
A_24_P204727	1,58926	2,08967	-1,414615525	ENST00000390624	N/A	Z18824	N/A
A_33_P3264238	2,23772	2,73813	-1,414615525	ENST00000619852	140883	BC042370	ZNF280B
A_22_P00005476	3,31173	3,81217	-1,414644942	N/A	N/A	BG187868	Inc-DYNC1L1-1
A_33_P3302185	1,75785	2,2583	-1,414654747	ENST00000293937	64711	NM_001009606	HS3ST6
A_23_P56256	12,6766	13,1771	-1,414703776	ENST00000589069	5438	NM_006233	POLR2I
A_23_P149545	6,31459	6,81511	-1,414723388	ENST00000369155	8349	NM_003528	HIST2H2BE
A_21_P0014591	6,77619	7,27672	-1,414733195	N/A	N/A	N/A	N/A
A_22_P00013801	1,38292	1,88367	-1,414948947	N/A	N/A	N/A	Inc-RP4-604K5.1.1-3
A_24_P99216	10,4202	10,921	-1,414997986	ENST00000546834	26020	NM_014045	LRP10
A_33_P3839897	3,85143	4,3523	-1,415066644	N/A	100151683	DW419002	RNU4ATAC
A_33_P3321150	12,148	12,6489	-1,41509607	ENST00000409777	8452	NM_003590	CUL3
A_23_P501877	9,88613	10,3871	-1,415164732	ENST00000216923	55734	NM_018197	ZFP64
A_23_P64306	1,35606	1,85716	-1,415292258	ENST00000613263	79097	NM_024114	TRIM48
A_21_P0007785	1,49918	2,00034	-1,415351119	N/A	N/A	N/A	Inc-DHX37-10
A_23_P163353	8,55496	9,05635	-1,415576778	ENST00000249636	8554	NM_016166	PIAS1

A_22_P00009871	8,82655	9,32802	-1,415655276	N/A	N/A	N/A	Inc-MFAP4-1
A_21_P0007284	3,48807	3,98955	-1,415665089	N/A	N/A	N/A	Inc-CTD-2523D13.1.1-5
A_21_P0011168	2,99629	3,49778	-1,415674902	ENST00000582957	284233	N/A	CYP4F35P
A_33_P6471080	1,33717	1,83886	-1,415871169	ENST00000513157	101929505	NR_104625	LOC101929505
A_21_P0003701	1,72441	2,22614	-1,415910426	ENST00000512839	401164	NR_033869	LINC01060
A_24_P226278	7,94098	8,44274	-1,415939869	ENST00000612830	23338	NM_015288	JADE2
A_21_P0011003	2,28566	2,78763	-1,41614599	N/A	N/A	N/A	XLOC_I2_002537
A_24_P942969	2,80707	3,30916	-1,416263787	ENST00000425340	2524	NM_000511	FUT2
A_33_P3872301	1,47531	1,97741	-1,416273603	N/A	100170226	BF570763	SNAR-C3
A_21_P0008767	1,67475	2,17685	-1,416273603	N/A	N/A	N/A	Inc-MEX3B-2
A_24_P112160	12,517	13,0191	-1,416273603	ENST00000257632	80761	NM_030570	UPK3B
A_21_P0009761	1,70171	2,20396	-1,416420864	ENST00000590021	102723379	N/A	LOC102723379
A_33_P3360785	2,82047	3,32275	-1,416450318	N/A	N/A	AK130121	N/A
A_24_P173754	8,57767	9,07999	-1,416489591	ENST00000367514	81563	NM_030806	C1orf21
A_33_P3285868	11,6888	12,1912	-1,41656814	ENST00000293230	114757	NM_134268	CYGB
A_21_P0001696	1,44461	1,94701	-1,41656814	N/A	N/A	N/A	Inc-S1PR1-2
A_24_P350307	14,971	15,4734	-1,41656814	ENST00000494933	N/A	N/A	N/A
A_22_P00023867	7,61758	8,12008	-1,416666332	N/A	101928954	XR_252644	LOC101928954
A_24_P320163	1,61012	2,11278	-1,416823454	ENST00000513150	10895	NR_026769	PPBPP2
A_22_P00003573	2,92039	3,42312	-1,416892201	N/A	N/A	AK125051	Inc-CCT7-1
A_21_P0010212	2,24922	2,75211	-1,417049348	ENST00000624113	114038	N/A	LINC00313
A_23_P7866	6,61019	7,11312	-1,417088637	ENST00000283303	221393	NM_153838	GPR115
A_33_P3351101	7,71558	8,21852	-1,41709846	ENST00000479086	219743	NM_173555	TYSND1
A_22_P00006522	3,57487	4,07788	-1,41716722	N/A	N/A	N/A	Inc-FGFR4-1
A_21_P0001963	1,58621	2,08923	-1,417177043	ENST00000447835	102724849	N/A	LOC102724849
A_22_P00000467	4,07497	4,57809	-1,417275277	ENST00000622128	100506136	NR_038948	LOC100506136
A_22_P00004726	1,41555	1,91873	-1,417334221	N/A	N/A	N/A	Inc-CTH-6
A_24_P275073	1,4047	1,90794	-1,417393168	ENST00000373208	140766	NM_139155	ADAMTS14
A_33_P3258061	6,12427	6,62757	-1,417452117	ENST00000340790	342979	NM_001145028	PALM3
A_23_P145238	13,2994	13,8028	-1,41755037	N/A	85236	NM_080593	HIST1H2BK
A_24_P70888	13,7659	14,2693	-1,41755037	ENST00000463165	23654	NM_012401	PLXNB2
A_21_P0007229	11,8627	12,3661	-1,41755037	ENST00000561588	N/A	XR_252919	N/A
A_23_P933	9,56459	10,068	-1,417560196	ENST00000495272	25950	NM_015485	RWDD3



A_23_P40588	8,91137	9,4148	-1,417579848	ENST00000483861	150274	NM_172002	HSCB
A_23_P16562	8,54496	9,0484	-1,417589674	ENST00000600239	10147	NM_001017392	SUGP2
A_21_P0013957	3,36818	3,87163	-1,4175995	N/A	N/A	N/A	N/A
A_24_P109652	9,08137	9,58506	-1,417835345	ENST00000312493	79834	NM_024776	PEAK1
A_21_P0002089	2,41429	2,91805	-1,41790414	ENST00000417284	729121	N/A	RGPD4-AS1
A_33_P3285639	3,69155	4,19536	-1,417953282	ENST00000393482	80705	NM_025244	TSGA10
A_32_P514790	9,78218	10,2861	-1,418061399	ENST00000589666	85451	NM_001080419	UNK
A_21_P0000857	3,74397	4,24789	-1,418061399	N/A	340544	NR_038978	MORF4L2-AS1
A_33_P3364459	10,5583	11,0624	-1,418238337	ENST00000348719	51292	NM_001283021	GMPR2
A_33_P3576574	1,44701	1,95113	-1,418257998	ENST00000400540	440131	N/A	LINC00544
A_33_P3378549	2,14071	2,64486	-1,41828749	N/A	N/A	N/A	XLOC_I2_008259
A_22_P00005374	1,75291	2,25709	-1,418316983	N/A	N/A	AL598298	Inc-DRD5-2
A_23_P39076	13,8434	14,3476	-1,418336645	ENST00000246792	6237	NM_006270	RRAS
A_24_P7934	15,6982	16,2025	-1,41843496	ENST00000598383	N/A	N/A	N/A
A_33_P3499174	13,2341	13,7385	-1,418533282	ENST00000372850	81605	NM_001265582	URM1
A_23_P138717	13,0457	13,5502	-1,418631611	ENST00000369103	6001	NM_001005339	RGS10
A_21_P0014391	4,60742	5,11195	-1,418661111	N/A	N/A	N/A	N/A
A_23_P46351	5,78351	6,28809	-1,418710279	ENST00000526413	11022	NM_006862	TDRKH
A_33_P3233916	1,68212	2,18676	-1,418769282	ENST00000396356	55553	NM_017508	SOX6
A_22_P00003393	3,6022	4,10685	-1,418779116	N/A	N/A	AF086143	Inc-CCDC117-1
A_33_P3818787	4,31396	4,81862	-1,418788951	ENST00000507914	344967	NR_027277	LOC344967
A_23_P145957	8,19981	8,70452	-1,418838123	ENST00000378099	27010	NM_022445	TPK1
A_22_P00001092	5,78104	6,28576	-1,418847958	N/A	N/A	N/A	Inc-ALG10B-1
A_21_P0006939	1,46254	1,96729	-1,418877462	N/A	N/A	N/A	Inc-GPR123-4
A_24_P187351	3,79306	4,29789	-1,418956144	ENST00000361528	4850	NM_013316	CNOT4
A_22_P00024845	5,14105	5,64592	-1,418995486	N/A	N/A	AL137752	Inc-HSPB6-1
A_22_P00016087	7,2715	7,77643	-1,419054502	N/A	N/A	AK022139	Inc-THEMIS-2
A_22_P00023712	10,3589	10,8639	-1,419123356	ENST00000537269	N/A	BX092498	N/A
A_22_P00012844	4,53938	5,04438	-1,419123356	N/A	N/A	AK125418	Inc-RASA1-7
A_33_P3613000	4,43837	4,94366	-1,419408647	ENST00000379091	65986	NM_001105539	ZBTB10
A_23_P109768	14,1649	14,6702	-1,419418485	ENST00000477393	9616	NM_014245	RNF7
A_22_P00014276	1,47546	1,98077	-1,419428324	N/A	N/A	N/A	Inc-SEPHS2-1
A_23_P308021	4,69835	5,20369	-1,41945784	ENST00000438189	57010	NM_145200	CABP4

A_33_P3423700	7,88075	8,38616	-1,419526715	N/A	100131829	AK124002	LOC100131829
A_21_P0009396	5,58032	6,08575	-1,419546394	N/A	N/A	N/A	Inc-SEPT9-1
A_22_P00019661	2,81051	3,31601	-1,419615272	ENST00000314040	N/A	AK091913	N/A
A_23_P81880	15,2822	15,7877	-1,419615272	ENST00000398073	10106	NM_005730	CTDSP2
A_32_P141612	6,13732	6,64287	-1,419664473	ENST00000392857	5000	NM_002552	ORC4
A_22_P00022405	1,57894	2,08457	-1,419743198	ENST00000448740	N/A	AK093256	N/A
A_21_P0004641	3,91571	4,42139	-1,419792404	ENST00000561890	100507679	NM_001198815	MUC22
A_24_P86389	12,9989	13,5046	-1,419812086	ENST00000359611	8336	NM_003514	HIST1H2AM
A_24_P177604	5,70176	6,20753	-1,419880978	ENST00000055335	89801	NM_033215	PPP1R3F
A_33_P3368471	9,91043	10,4163	-1,4199794	ENST00000460749	221294	NM_152729	NT5DC1
A_33_P3408898	9,51961	10,0255	-1,419999085	ENST00000408925	441150	NM_001008739	C6orf226
A_32_P448360	7,24336	7,74929	-1,420038456	N/A	339201	NR_049729	ASB16-AS1
A_24_P53519	11,4227	11,9287	-1,420107359	ENST00000301280	10036	NM_005483	CHAF1A
A_23_P56654	9,48247	9,98849	-1,420127046	ENST00000462609	84693	NM_032601	MCEE
A_33_P3327404	3,93839	4,44442	-1,420136889	ENST00000335450	130399	NM_145259	ACVR1C
A_33_P3287745	12,5558	13,0619	-1,420205796	ENST00000448516	84148	NM_182958	KAT8
A_23_P217554	1,48196	1,98807	-1,42021564	ENST00000286482	4107	NM_005364	MAGEA8
A_21_P0001529	3,40199	3,90818	-1,420294396	N/A	103695366	NR_125761	LINC01461
A_22_P00012882	3,88865	4,39486	-1,420314086	N/A	N/A	N/A	Inc-RBM11-1
A_23_P105730	3,84357	4,34978	-1,420314086	ENST00000541087	56890	NM_020128	MDM1
A_23_P397320	1,48533	1,99156	-1,420333776	ENST00000300961	126306	NM_144616	JSRP1
A_22_P00008922	7,23105	7,7373	-1,420353466	ENST00000435469	N/A	N/A	N/A
A_23_P2582	10,4901	10,9964	-1,420402692	ENST00000459625	51564	NM_015401	HDAC7
A_22_P00002151	3,71051	4,21683	-1,420422383	ENST00000417135	N/A	N/A	N/A
A_23_P105562	7,67778	8,18415	-1,420471612	ENST00000261405	7450	NM_000552	VWF
A_21_P0013362	1,45775	1,96415	-1,42050115	ENST00000458645	N/A	N/A	N/A
A_23_P92281	12,1656	12,672	-1,42050115	ENST00000488781	29083	NM_014170	GTPBP8
A_24_P144601	5,57891	6,08533	-1,420520843	ENST00000428824	5460	NM_002701	POU5F1
A_33_P3217743	2,93906	3,44557	-1,420609462	ENST00000624628	401149	N/A	LINC01061
A_32_P151782	9,30282	9,80939	-1,420668545	ENST00000612598	N/A	N/A	N/A
A_23_P30098	1,5273	2,03389	-1,42068824	ENST00000265512	127	NM_000670	ADH4
A_23_P16032	10,4487	10,9553	-1,420698087	N/A	10597	NR_002166	TRAPPC2B
A_23_P137532	10,132	10,6386	-1,420698087	ENST00000481933	5351	NM_000302	PLOD1

A_23_P367405	12,2226	12,7292	-1,420698087	ENST00000299299	5092	NM_000281	PCBD1
A_23_P107735	10,1409	10,6476	-1,420796566	ENST00000221972	973	NM_001783	CD79A
A_33_P3220698	13,0752	13,582	-1,420895052	ENST00000201647	54869	NM_133180	EPS8L1
A_33_P3418321	1,59456	2,10139	-1,420924599	N/A	N/A	N/A	N/A
A_23_P27810	9,85306	10,3599	-1,420934448	ENST00000395835	84775	NM_032689	ZNF607
A_21_P0002732	5,47251	5,97945	-1,421032943	ENST00000414382	102725370	N/A	LOC102725370
A_23_P144465	10,3401	10,8473	-1,421289062	ENST00000514815	9061	NM_005443	PAPSS1
A_21_P0008655	1,3647	1,87196	-1,421348173	N/A	N/A	N/A	Inc-PML-3
A_33_P3409099	5,21994	5,72724	-1,421387582	ENST00000244769	6310	NM_000332	ATXN1
A_23_P7684	6,25904	6,76676	-1,421801439	ENST00000541762	79616	NM_024565	CCNJL
A_21_P0010315	4,22075	4,72852	-1,421850716	N/A	N/A	N/A	Inc-ADARB1-1
A_21_P0013565	8,62633	9,13412	-1,421870427	ENST00000479351	N/A	N/A	N/A
A_21_P0008737	1,40791	1,91577	-1,421939418	ENST00000558792	101928442	NR_120336	LINC01491
A_33_P3210218	11,271	11,7789	-1,421978843	ENST00000589189	2589	NM_020474	GALNT1
A_33_P3299834	5,44068	5,94865	-1,42204784	ENST00000615234	5434	NM_002695	POLR2E
A_33_P3319041	10,1086	10,6166	-1,422077411	ENST00000325307	3149	NM_001301228	HMGB3
A_24_P280497	11,8734	12,3817	-1,422373154	ENST00000434748	57666	NM_001142641	FBRSL1
A_22_P00025447	4,03016	4,53854	-1,422452029	N/A	101929760	NR_110542	PIK3IP1-AS1
A_33_P3315410	10,2876	10,796	-1,422471749	ENST00000240316	8161	NM_004645	COIL
A_33_P3266265	9,5348	10,0434	-1,422668959	ENST00000333421	51104	NM_001025780	ABHD17B
A_21_P0005578	1,4693	1,97792	-1,422688681	N/A	N/A	N/A	Inc-EXOC4-2
A_22_P00025785	1,43808	1,9467	-1,422688681	N/A	N/A	N/A	Inc-RTL1-5
A_22_P00016948	4,05367	4,56236	-1,422757712	ENST00000604369	102723508	NR_110456	KANTR
A_23_P68155	10,1787	10,6874	-1,422767574	ENST00000263642	64135	NM_022168	IFIH1
A_33_P3393694	15,5589	16,0677	-1,422866196	ENST00000598681	29997	NM_015710	GLTSCR2
A_21_P0013246	11,1349	11,6438	-1,422964825	ENST00000428678	80761	NM_030570	UPK3B
A_21_P0001346	1,4363	1,94521	-1,422974689	N/A	N/A	N/A	Inc-TMEM56-1
A_23_P152963	8,13574	8,64488	-1,423201563	ENST00000389017	54785	NM_017622	C17orf59
A_23_P404565	6,06536	6,57461	-1,423310081	ENST00000461809	66035	NM_030807	SLC2A11
A_33_P3262814	7,24916	7,7585	-1,423398874	ENST00000298249	221035	NM_001001330	REEP3
A_21_P0006942	1,34459	1,85394	-1,42340874	N/A	N/A	N/A	Inc-GPR123-1
A_19_P00323025	1,48486	1,99423	-1,423428473	ENST00000467995	100498859	N/A	LINC00881
A_23_P254842	9,88443	10,3938	-1,423428473	ENST00000381077	8226	NM_012080	HDHD1

A_22_P00005214	1,35769	1,86719	-1,423556743	ENST00000554195	283601	DB043610	LINC00523
A_23_P71319	12,8525	13,362	-1,423556743	ENST00000525607	2222	NM_004462	FDFT1
A_33_P3253682	10,2677	10,7772	-1,423556743	ENST00000409449	53938	NM_032472	PPIL3
A_23_P360804	7,41219	7,9217	-1,42356661	ENST00000244751	57699	NM_020939	CPNE5
A_23_P29495	11,9985	12,5081	-1,42365542	ENST00000396185	1499	NM_001904	CTNNB1
A_21_P0001593	3,29357	3,80321	-1,423694892	N/A	102724358	XR_425046	LOC102724358
A_33_P3238479	3,36543	3,87511	-1,423734366	N/A	N/A	N/A	N/A
A_23_P69242	12,0489	12,5586	-1,423754103	ENST00000272902	285362	NM_182760	SUMF1
A_23_P207742	10,6795	11,1892	-1,423754103	ENST00000264637	7067	NM_003250	THRA
A_21_P0010870	6,48491	6,99466	-1,423803448	ENST00000608163	253725	NM_001169106	FAM21C
A_33_P3222380	9,80165	10,3114	-1,423803448	ENST00000333244	113146	NM_138420	AHNAK2
A_33_P3259440	1,48544	1,99523	-1,423842925	ENST00000434739	342096	NM_001038640	GOLGA6A
A_21_P0012106	1,47118	1,98105	-1,423921881	ENST00000413563	646324	NR_037195	LINC00607
A_33_P6471837	6,89318	7,40307	-1,423941621	N/A	151534	NR_024606	LBX2-AS1
A_23_P125348	11,0819	11,5918	-1,423951491	ENST00000572656	58485	NM_021210	TRAPPC1
A_22_P00012098	1,62878	2,13875	-1,424020584	ENST00000380573	148	XM_006716292	ADRA1A
A_33_P3393341	12,1952	12,7052	-1,424050196	ENST00000373257	64900	NM_001301860	LPIN3
A_23_P145437	12,0846	12,5946	-1,424050196	ENST00000479165	55023	NM_017934	PHIP
A_23_P158007	10,808	11,3181	-1,424148907	ENST00000467312	84885	NM_032799	ZDHHC12
A_33_P3816688	9,06602	9,57616	-1,424188393	ENST00000309241	133522	NM_133263	PPARGC1B
A_33_P3338186	12,6299	13,1401	-1,424247625	ENST00000337014	284004	NM_173620	HEXDC
A_33_P3382309	3,77959	4,28986	-1,424316731	ENST00000512462	63976	NM_199454	PRDM16
A_21_P0002016	1,60659	2,11688	-1,424336477	ENST00000421112	100506474	NR_038434	LOC100506474
A_22_P00004317	8,07941	8,58977	-1,424405587	N/A	253039	NR_024408	PSMD5-AS1
A_23_P200203	11,5901	12,1005	-1,424445081	ENST00000358358	55268	NM_018281	ECHDC2
A_21_P0004276	3,29796	3,80867	-1,424751192	N/A	N/A	N/A	Inc-POLR3G-1
A_21_P0011279	1,39334	1,90407	-1,424770944	ENST00000425648	N/A	N/A	N/A
A_23_P132057	1,72026	2,231	-1,424780819	ENST00000332587	54072	NR_024027	LINC00158
A_22_P00015400	3,70364	4,21446	-1,424859828	N/A	102723834	XR_425103	LOC102723834
A_33_P3210561	13,4682	13,9791	-1,424938841	N/A	N/A	N/A	N/A
A_22_P00004378	1,4007	1,91166	-1,424998104	ENST00000435738	N/A	N/A	N/A
A_23_P385126	7,8124	8,32337	-1,425007982	ENST00000616885	91614	NM_139160	DEPDC7
A_33_P3382162	9,45388	9,96486	-1,425017859	ENST00000368870	5993	NM_000449	RFX5

A_22_P00004722	3,4511	3,96216	-1,425096881	N/A	100132618	NR_038420	ZRANB2-AS1
A_33_P3277140	14,8925	15,4036	-1,425136394	ENST00000486890	440574	NM_001032363	MINOS1
A_33_P3423845	8,82533	9,33656	-1,425264817	N/A	N/A	N/A	N/A
A_33_P3333327	3,78473	4,29599	-1,425294455	N/A	N/A	N/A	N/A
A_24_P466374	9,72213	10,2335	-1,425403133	ENST00000436342	2140	NM_001990	EYA3
A_22_P00023071	1,6889	2,20028	-1,425413013	N/A	102724587	XR_424628	LOC102724587
A_24_P359405	5,26635	5,77773	-1,425413013	ENST00000549583	196403	NM_178502	DTX3
A_23_P413303	3,99926	4,51064	-1,425413013	ENST00000604157	54553	NR_033797	DKFZP434I0714
A_23_P10685	12,4495	12,9609	-1,425432773	ENST00000433386	23640	NM_012267	HSPBP1
A_23_P123622	7,00687	7,51828	-1,425442654	ENST00000469249	4882	NM_003995	NPR2
A_33_P6815522	6,55638	7,06787	-1,425521699	N/A	284900	NR_026962	TTC28-AS1
A_22_P00007459	3,00105	3,51261	-1,425590868	N/A	101928431	XR_429385	LOC101928431
A_23_P593	11,0809	11,5925	-1,425630394	ENST00000355105	60313	NM_021639	GPBP1L1
A_24_P375819	4,9391	5,45077	-1,425699568	ENST00000538670	93164	NR_002774	HTR7P1
A_23_P37914	2,75259	3,26433	-1,425768745	ENST00000488922	115584	NM_052944	SLC5A11
A_22_P00012687	7,94133	8,45307	-1,425768745	N/A	100507156	NR_038323	LOC100507156
A_23_P29318	11,7596	12,2714	-1,425828042	ENST00000494795	25813	NM_015380	SAMM50
A_33_P3304754	4,68582	5,19765	-1,425857691	ENST00000490010	7174	BC024905	TPP2
A_32_P226205	3,56579	4,07764	-1,425877458	ENST00000419474	85446	NM_033400	ZFHX2
A_33_P3401284	10,1043	10,6163	-1,426025717	ENST00000602361	6023	NR_003051	RMRP
A_23_P435521	4,4814	4,99341	-1,426035602	N/A	113277	NM_145041	TMEM106A
A_21_P0001550	9,94982	10,4619	-1,426104795	ENST00000440778	100131564	NR_034089	LOC100131564
A_24_P410463	2,08114	2,59324	-1,426124565	ENST00000359047	140803	NM_017662	TRPM6
A_22_P00004418	7,19889	7,71101	-1,426144336	N/A	N/A	BC008846	Inc-COPS7B-1
A_22_P00009669	3,83813	4,35043	-1,426322282	N/A	N/A	N/A	Inc-MBD2-2
A_23_P411612	8,99593	9,50825	-1,426342055	ENST00000338146	283377	NM_207344	SPRYD4
A_23_P90589	9,92955	10,4419	-1,426371715	ENST00000258383	65080	NM_022915	MRPL44
A_23_P132175	9,70013	10,2125	-1,426391489	ENST00000043402	65078	NM_023004	RTN4R
A_21_P0003105	1,36765	1,88012	-1,426490363	N/A	N/A	N/A	Inc-RFTN1-1
A_33_P3361746	7,46356	7,97605	-1,426510138	ENST00000220888	7227	NM_014112	TRPS1
A_33_P3377005	10,1067	10,6192	-1,426520026	ENST00000469990	256329	NM_173573	LMNTD2
A_21_P0004356	1,59016	2,10268	-1,426539802	ENST00000509057	N/A	N/A	N/A
A_21_P0002672	1,4948	2,00733	-1,42654969	N/A	N/A	N/A	Inc-TGFBRAP1-6

A_24_P310224	7,94433	8,45686	-1,42654969	ENST00000601469	84671	NM_032584	ZNF347
A_23_P53957	12,9839	13,4965	-1,426618908	ENST00000557612	51241	NM_016468	COX16
A_33_P3341716	7,40035	7,91316	-1,426826583	ENST00000448246	6671	NM_003112	SP4
A_21_P0006480	1,8169	2,32982	-1,426935377	N/A	101928275	XR_247297	LOC101928275
A_33_P3463924	5,00059	5,51359	-1,427014506	N/A	57399	AF264626	LOC57399
A_23_P101532	17,5308	18,0438	-1,427014506	ENST00000601306	6205	NM_001015	RPS11
A_21_P0007576	1,43824	1,95127	-1,42704418	N/A	N/A	N/A	Inc-DYRK2-2
A_23_P87323	9,47277	9,98585	-1,427093638	ENST00000263401	29099	NM_014186	COMMD9
A_22_P00003258	8,13522	8,64834	-1,427133206	N/A	100874362	NR_102279	HOXB-AS1
A_23_P35168	10,0269	10,5401	-1,427212346	ENST00000494765	29929	NM_013339	ALG6
A_33_P3209706	4,17768	4,69095	-1,427281596	N/A	503582	NM_001012659	ARGFX
A_24_P122636	1,49565	2,00901	-1,427370637	ENST00000469520	10380	NM_006085	BPNT1
A_33_P3395219	3,27918	3,79262	-1,42744979	N/A	374987	NR_103535	NEXN-AS1
A_24_P870799	1,46275	1,97628	-1,427538841	ENST00000373091	2899	NM_000831	GRIK3
A_22_P00004142	7,23774	7,75129	-1,427558632	N/A	N/A	N/A	Inc-CLDN6-2
A_22_P00009713	2,99389	3,5076	-1,427716962	N/A	N/A	N/A	Inc-MCCC2-2
A_21_P0014316	3,03717	3,55091	-1,42774665	N/A	N/A	XR_133117	N/A
A_33_P3232995	2,09312	2,60698	-1,427865412	ENST00000251864	56165	NM_198795	TDRD1
A_21_P0004876	1,44571	1,95963	-1,427924797	N/A	N/A	N/A	Inc-AL353597.1-2
A_23_P380928	8,09042	8,6044	-1,427984183	ENST00000493241	100526693	NM_001198793	ARPC4-TTLL3
A_23_P357374	6,02457	6,53868	-1,428112864	ENST00000270631	113091	NM_178449	PTH2
A_23_P215505	5,19989	5,71409	-1,428201957	ENST00000620335	9771	NM_012294	RAPGEF5
A_32_P199252	12,5156	13,0299	-1,428300956	ENST00000530115	3320	NM_001017963	HSP90AA1
A_19_P00803226	10,4025	10,9168	-1,428300956	N/A	N/A	N/A	Inc-TOP1MT-2
A_23_P47885	9,75657	10,271	-1,428429664	ENST00000320743	121227	NM_153377	LRIG3
A_22_P00003224	4,44797	4,96254	-1,428568287	ENST00000472243	N/A	N/A	N/A
A_21_P0001334	3,04173	3,55637	-1,428637603	N/A	N/A	N/A	Inc-PKN2-1
A_22_P00017319	1,68822	2,20289	-1,428667311	N/A	N/A	N/A	Inc-USP31-3
A_21_P0003132	4,3972	4,91191	-1,428706923	ENST00000482003	N/A	N/A	N/A
A_21_P0005135	2,55578	3,07056	-1,428776246	ENST00000440397	102723649	NR_125867	LOC102723649
A_22_P00021891	1,34442	1,85927	-1,428845572	N/A	N/A	N/A	Inc-CDYL2-3
A_33_P3422374	4,40405	4,91892	-1,42886538	ENST00000388923	206412	NM_001010868	C6orf163
A_23_P206140	12,7641	13,279	-1,428895093	ENST00000394852	55466	NM_018602	DNAJA4

A_23_P210948	9,94823	10,4632	-1,428964425	ENST00000496812	55245	NM_018244	UQCC1
A_22_P00014869	1,49507	2,01007	-1,42899414	N/A	N/A	N/A	Inc-SLC6A12-2
A_33_P3392740	5,37247	5,88748	-1,429004045	N/A	84913	AL831857	ATOH8
A_33_P3379157	13,0991	13,6142	-1,429093193	ENST00000471737	23787	NM_001271641	MTCH1
A_22_P00019286	7,92386	8,43897	-1,429103099	ENST00000448543	N/A	DB092756	N/A
A_23_P255785	12,1859	12,7011	-1,429192254	ENST00000481752	4690	NM_006153	NCK1
A_33_P3341490	6,61488	7,13008	-1,429192254	ENST00000584763	284116	NR_033415	KRT42P
A_33_P3340189	2,442	2,95735	-1,429340858	N/A	N/A	N/A	N/A
A_23_P5258	1,58665	2,1021	-1,429439936	ENST00000322107	126541	NM_001004465	OR10H4
A_33_P3273584	6,12354	6,63914	-1,429588565	ENST00000602755	677766	NR_003023	SCARNA2
A_23_P82929	8,68389	9,19972	-1,429816494	ENST00000259526	4856	NM_002514	NOV
A_19_P00801324	7,06075	7,57659	-1,429826405	ENST00000566551	100996511	NR_110616	LINC01355
A_24_P193592	6,44983	6,96568	-1,429836316	ENST00000293968	899	NM_001761	CCNF
A_24_P273203	15,4073	15,9232	-1,429885871	ENST00000492925	N/A	N/A	N/A
A_22_P00013881	7,06105	7,57702	-1,429955251	N/A	100144595	NM_001256368	LOC100144595
A_33_P3302676	5,41144	5,92741	-1,429955251	ENST00000485159	7091	N/A	TLE4
A_24_P202840	3,24362	3,7596	-1,429965163	ENST00000359801	284759	NM_001122962	SIRPB2
A_33_P3265224	6,66031	7,17636	-1,430034547	ENST00000537589	23177	BX648774	CEP68
A_33_P6570282	9,50425	10,0203	-1,430034547	ENST00000578200	100499466	NR_027418	LINC00674
A_23_P118406	9,16155	9,67762	-1,430054371	ENST00000585044	79415	NM_001033046	C17orf62
A_21_P0014759	4,48048	4,99658	-1,430084109	N/A	100506458	AK097034	LOC100506458
A_33_P3365142	5,19595	5,71218	-1,430212978	ENST00000375272	2571	NM_013445	GAD1
A_33_P3314500	2,74288	3,25921	-1,430312116	ENST00000619759	4588	NM_005961	MUC6
A_33_P3245066	9,81032	10,3267	-1,430361688	ENST00000480991	728661	NM_001290264	SLC35E2B
A_33_P3311992	1,37557	1,89202	-1,430431091	ENST00000354212	9863	NM_012301	MAGI2
A_33_P3240976	2,95883	3,47537	-1,430520329	N/A	N/A	AK027209	N/A
A_22_P00008041	1,37711	1,89367	-1,430540161	ENST00000509824	N/A	N/A	N/A
A_33_P3221303	5,98377	6,50035	-1,430559992	ENST00000332438	2826	NM_016602	CCR10
A_21_P0013604	1,56117	2,07776	-1,430569908	N/A	N/A	N/A	XLOC_I2_015039
A_23_P503233	14,1991	14,7157	-1,430579824	ENST00000366587	128178	NM_080738	EDARADD
A_23_P330070	9,72544	10,2421	-1,430639321	ENST00000339091	7035	NM_001032281	TFPI
A_22_P00013899	1,5968	2,11348	-1,430659154	ENST00000512952	N/A	N/A	N/A
A_24_P712562	4,24574	4,76244	-1,430678988	ENST00000397861	339210	NM_001085430	C17orf67

A_21_P0004304	4,70821	5,22493	-1,430698821	N/A	N/A	N/A	Inc-CXXC5-1
A_21_P0003619	2,94948	3,46624	-1,430738489	N/A	N/A	N/A	Inc-STAP1-1
A_21_P0001674	3,75864	4,27541	-1,430748406	N/A	N/A	N/A	Inc-NDUFS5-2
A_23_P121095	11,4981	12,0149	-1,430778158	ENST00000435706	7155	NM_001068	TOP2B
A_22_P00002482	5,23366	5,75049	-1,430807911	ENST00000558017	390637	AL110290	GDPGP1
A_24_P92267	4,34464	4,86158	-1,430917009	ENST00000426330	N/A	N/A	N/A
A_24_P119201	2,05585	2,57282	-1,430946764	ENST00000583046	8932	NM_015832	MBD2
A_24_P341504	9,19747	9,71462	-1,431125309	ENST00000423855	55599	NM_017619	RNPC3
A_24_P403734	12,5845	13,1017	-1,431174909	ENST00000546970	25946	NM_015481	ZNF385A
A_33_P3236698	1,42888	1,94617	-1,431264193	N/A	138649	AK292218	ANKRD19P
A_33_P3285987	9,84161	10,3589	-1,431264193	ENST00000303459	196074	NM_152636	METTL15
A_21_P0006352	1,44745	1,96481	-1,43133364	N/A	N/A	N/A	Inc-ANXA1-2
A_33_P3330283	10,5239	11,0413	-1,431373326	ENST00000426431	6667	NM_138473	SP1
A_33_P3318852	4,72597	5,24338	-1,431383248	ENST00000310452	54885	NM_198881	TBC1D8B
A_23_P92499	9,55808	10,0756	-1,431492389	ENST00000260010	7097	NM_003264	TLR2
A_23_P126917	5,94553	6,46309	-1,431532079	ENST00000318837	3321	NM_001542	IGSF3
A_22_P00022587	6,8248	7,34239	-1,431561847	N/A	N/A	BX101396	Inc-NUMB-2
A_23_P36647	10,1494	10,667	-1,43157177	ENST00000587630	79089	NM_177441	TMUB2
A_23_P301053	1,48018	1,99787	-1,431661079	ENST00000244221	400961	NM_020459	PAIP2B
A_23_P121702	14,7781	15,2958	-1,431671003	ENST00000381464	132299	NM_001014446	OCIAD2
A_23_P157404	10,9588	11,4765	-1,431671003	ENST00000337619	1174	NM_001283	AP1S1
A_33_P3255824	4,23012	4,74784	-1,43169085	N/A	N/A	N/A	N/A
A_22_P00023893	2,18154	2,69936	-1,431790091	ENST00000449958	N/A	N/A	N/A
A_21_P0007704	1,64436	2,16222	-1,431829789	N/A	N/A	N/A	Inc-DBX2-1
A_23_P206280	15,349	15,8669	-1,431869488	ENST00000388813	9289	NM_201525	GPR56
A_23_P319792	9,41092	9,9289	-1,43194889	ENST00000264951	54464	NM_019001	XRN1
A_33_P3272948	6,33105	6,84904	-1,431958816	ENST00000381365	100130311	NM_001145536	C17orf107
A_33_P3380982	10,008	10,526	-1,431968741	ENST00000230461	55754	NM_018247	TMEM30A
A_24_P289170	6,93223	7,45028	-1,43201837	ENST00000556767	440193	NM_001080414	CCDC88C
A_22_P00005309	2,4667	2,98479	-1,432058075	N/A	N/A	CV572980	Inc-DNAJC24-1
A_22_P00021207	1,44166	1,95979	-1,43209778	N/A	N/A	N/A	Inc-CILP2-1
A_24_P376047	2,29467	2,81287	-1,432167268	ENST00000431178	9622	NM_004917	KLK4
A_33_P3391290	2,95055	3,4688	-1,432216904	ENST00000507742	9315	NM_001142483	NREP



A_22_P00024345	6,12876	6,64711	-1,432316181	ENST00000553682	103695436	NR_125769	LINC01269
A_24_P153043	15,3012	15,8196	-1,432365822	ENST00000450734	118433	NR_000029	RPL23AP7
A_23_P19164	10,2759	10,7943	-1,432365822	ENST00000520274	7265	NM_003314	TTC1
A_21_P0009276	4,68554	5,20394	-1,432365822	N/A	N/A	N/A	Inc-SEPT9-1
A_33_P3277808	3,30271	3,82121	-1,43246511	N/A	101928125	N/A	LOC101928125
A_32_P347617	2,97492	3,49345	-1,432494897	ENST00000613677	164668	NM_181773	APOBEC3H
A_24_P293120	9,06903	9,58757	-1,432504827	ENST00000529930	79177	NM_024327	ZNF576
A_21_P0007475	1,34882	1,86737	-1,432514756	N/A	N/A	N/A	Inc-SPATA19-1
A_22_P00023873	1,46661	1,98516	-1,432514756	N/A	N/A	AK095296	Inc-CXADR-2
A_23_P56922	15,3281	15,8467	-1,432564404	ENST00000559254	3336	NM_002157	HSPE1
A_22_P00019877	1,3701	1,88897	-1,432832533	N/A	N/A	N/A	Inc-LRRC48-1
A_22_P00019123	4,6169	5,13579	-1,432852397	ENST00000399333	55508	AF119871	SLC35E3
A_23_P216894	7,747	8,26592	-1,432882192	ENST00000265960	79109	NM_001006617	MAPKAP1
A_33_P3375710	5,46453	5,98346	-1,432892124	N/A	N/A	XM_006710484	Inc-VAMP3-1
A_33_P3373134	2,74515	3,2641	-1,432911989	ENST00000470139	23334	NM_015284	SZT2
A_21_P0001279	2,77565	3,29464	-1,432951718	N/A	N/A	N/A	Inc-ZCCHC17-6
A_33_P3343720	4,41779	4,93678	-1,432951718	ENST00000400271	10136	NM_005747	CELA3A
A_33_P3771039	15,8273	16,3464	-1,433060979	ENST00000416734	N/A	N/A	N/A
A_22_P00005226	3,33597	3,85511	-1,433100713	ENST00000614605	79104	NR_024149	MEG8
A_24_P51588	11,608	12,1272	-1,433160315	ENST00000488340	81669	NM_030937	CCNL2
A_22_P00001674	1,69636	2,21573	-1,433329201	ENST00000518489	N/A	N/A	N/A
A_23_P36439	1,56365	2,08313	-1,433438491	ENST00000321688	121129	NM_001258285	OR2AP1
A_33_P3280531	13,6385	14,158	-1,433458363	N/A	1384	NM_001257363	CRAT
A_23_P66766	11,6289	12,1484	-1,433458363	ENST00000536255	84268	NM_001160246	RPAIN
A_22_P00024617	7,39202	7,91161	-1,43354779	N/A	100288730	NR_029383	PAN3-AS1
A_33_P3349716	10,3882	10,9079	-1,433657096	ENST00000439461	90321	NM_001010851	ZNF766
A_21_P0006160	1,39799	1,91774	-1,433706784	N/A	N/A	N/A	Inc-TLE4-2
A_22_P00002998	11,1331	11,6529	-1,433756473	N/A	102723648	XR_427920	LOC102723648
A_32_P375286	1,51224	2,03209	-1,433806164	ENST00000322734	285349	NM_173658	ZNF660
A_33_P3384284	4,72948	5,24936	-1,43383598	ENST00000436466	100130302	NM_001136234	SUPT20HL1
A_23_P55400	1,59198	2,1119	-1,433875735	ENST00000393986	8689	NM_003771	KRT36
A_21_P0013221	1,68427	2,20421	-1,433895613	N/A	101929381	XR_432175	LOC101929381
A_32_P119033	2,75314	3,27323	-1,434044706	ENST00000328457	345557	NM_001005473	PLCXD3

A_33_P3363120	4,24708	4,76718	-1,434054646	N/A	692148	NR_004387	SCARNA10
A_33_P3412767	3,59035	4,11051	-1,434114288	ENST00000341460	84144	NM_032184	SYDE2
A_33_P3334843	4,53634	5,05652	-1,434134169	ENST00000331659	5337	AF318333	PLD1
A_22_P00013883	1,83773	2,35796	-1,434183873	N/A	N/A	N/A	Inc-RPRM-5
A_21_P0001050	5,92561	6,44603	-1,434372764	N/A	100506696	NR_046325	PCAT6
A_24_P924836	3,83108	4,35155	-1,434422477	N/A	9946	BC022827	CRYZL1
A_22_P00018897	3,70847	4,22898	-1,434462248	ENST00000453798	N/A	N/A	N/A
A_22_P00014862	2,27434	2,79489	-1,43450202	N/A	N/A	DB091200	Inc-SLC5A8-1
A_21_P0014420	4,23924	4,75985	-1,434561681	N/A	N/A	N/A	N/A
A_22_P00017639	1,86415	2,38484	-1,434641232	N/A	93654	NR_109980	ST7-AS2
A_33_P3377261	12,0828	12,6035	-1,434651176	ENST00000478598	9616	NM_014245	RNF7
A_23_P70045	13,8397	14,3605	-1,434750622	ENST00000506671	9555	NM_138610	H2AFY
A_23_P75204	11,9213	12,4421	-1,434750622	ENST00000468209	54780	NM_017615	NSMCE4A
A_21_P0010344	2,55614	3,0772	-1,435009214	N/A	N/A	N/A	Inc-RGL4-4
A_19_P00317949	2,85196	3,37309	-1,435078842	N/A	646982	NR_024507	LINC00598
A_24_P161403	14,9078	15,429	-1,435148475	ENST00000469748	N/A	N/A	N/A
A_33_P3372705	8,77507	9,29635	-1,435228058	ENST00000304465	647135	NM_001271870	SRGAP2B
A_32_P73821	12,5265	13,0478	-1,435247955	ENST00000534699	7812	NM_001007553	CSDE1
A_23_P55880	8,11044	8,63177	-1,4352778	ENST00000593682	163050	NM_144976	ZNF564
A_22_P00022865	1,44203	1,96338	-1,435297698	ENST00000512717	N/A	N/A	N/A
A_33_P3354106	5,24585	5,76722	-1,435317595	ENST00000327442	402569	NM_001145715	KPNA7
A_23_P166154	3,03965	3,5611	-1,435397188	ENST00000582267	728882	NR_027061	FAM182B
A_32_P918263	9,50935	10,0309	-1,435496686	ENST00000448566	N/A	N/A	N/A
A_21_P0001499	1,6194	2,141	-1,435546437	N/A	N/A	N/A	Inc-STIL-3
A_21_P0014310	1,4177	1,93937	-1,435616092	N/A	100287301	XR_109239	GS52
A_22_P00021379	1,47114	1,99292	-1,435725557	N/A	102723824	NR_110584	LOC102723824
A_22_P00000286	1,52494	2,04674	-1,43574546	ENST00000561669	N/A	N/A	N/A
A_23_P428248	7,95599	8,47793	-1,435884793	ENST00000440121	199223	NM_145755	TTC21A
A_22_P00019436	1,58216	2,10421	-1,435994278	ENST00000530150	101409254	NR_102423	LINC00681
A_33_P3355567	4,92132	5,44341	-1,436034092	ENST00000515730	N/A	AL833436	N/A
A_24_P157370	2,98734	3,5096	-1,436203317	ENST00000288167	55540	NM_018725	IL17RB
A_23_P153853	11,8508	12,3731	-1,436243138	ENST00000598316	1891	NM_001398	ECH1
A_23_P155514	3,07396	3,59628	-1,436263049	ENST00000411641	197	NM_001622	AHSG

A_22_P00003171	1,42131	1,94374	-1,436372562	N/A	N/A	BQ429837	Inc-C9orf68-1
A_33_P3843358	4,87621	5,39864	-1,436372562	N/A	319103	BG944179	SNORD8
A_33_P3230798	4,30972	4,83234	-1,436561742	N/A	N/A	N/A	N/A
A_23_P24149	1,66975	2,19243	-1,436621488	ENST00000377371	221074	NM_152725	SLC39A12
A_33_P3248962	1,9623	2,48504	-1,436681237	N/A	8764	NM_003820	TNFRSF14
A_22_P00014463	3,32186	3,84464	-1,436721071	ENST00000456553	256643	NM_198279	CXorf23
A_33_P3276833	1,59791	2,12071	-1,436740988	ENST00000370616	346007	NM_001292009	EYS
A_21_P0010538	1,45058	1,97339	-1,436750947	N/A	N/A	N/A	XLLOC_I2_000324
A_21_P0001376	1,45399	1,97687	-1,43682066	N/A	N/A	N/A	Inc-TTC24-1
A_24_P317907	3,38161	3,90453	-1,436860498	ENST00000371247	10580	NM_001034954	SORBS1
A_22_P00015819	5,54435	6,06751	-1,437099547	N/A	N/A	N/A	Inc-TBC1D12-1
A_23_P4041	10,1608	10,684	-1,437139393	ENST00000417982	58488	NM_021213	PCTP
A_21_P0012847	2,01952	2,54279	-1,437209125	N/A	N/A	N/A	XLLOC_I2_011737
A_21_P0011824	3,9167	4,44	-1,437239011	N/A	728537	NR_038386	LINC01125
A_33_P3300132	3,3563	3,87967	-1,437308748	N/A	100132183	AF461899	FP6628
A_23_P39402	8,26523	8,7886	-1,437308748	ENST00000592353	84964	NM_198867	ALKBH6
A_23_P106002	13,7993	14,3227	-1,437338636	ENST00000554001	4792	NM_020529	NFKBIA
A_23_P46063	8,89918	9,42258	-1,437338636	ENST00000483228	29922	NM_013330	NME7
A_33_P3314446	7,74898	8,27245	-1,437408378	ENST00000604105	440225	NR_028506	NF1P2
A_33_P3217119	7,51749	8,04102	-1,437468159	ENST00000354267	127700	NM_206837	OSCP1
A_24_P37519	7,55822	8,0818	-1,437517979	ENST00000536047	54585	NM_020347	LZTFL1
A_33_P3375140	5,8625	6,38612	-1,437557836	ENST00000607697	N/A	AK023946	N/A
A_21_P0001557	1,45921	1,98296	-1,437687379	N/A	N/A	N/A	Inc-DBT-1
A_33_P3269844	8,69657	9,22035	-1,437717275	ENST00000371542	389816	NM_001013653	LRRC26
A_22_P00014130	1,65406	2,17786	-1,437737206	N/A	N/A	DB050389	Inc-SCG3-1
A_23_P50241	9,77163	10,2955	-1,437806967	ENST00000589347	1209	NM_001294	CLPTM1
A_22_P00001302	1,81899	2,34288	-1,4378269	ENST00000531798	N/A	N/A	N/A
A_33_P3337034	8,47382	8,99773	-1,437846832	ENST00000466185	8899	NM_003913	PRPF4B
A_22_P00000693	5,99522	6,51919	-1,437906632	N/A	N/A	N/A	Inc-ADAM21-2
A_23_P203115	7,63413	8,15814	-1,4379465	ENST00000533627	84866	NM_032780	TMEM25
A_22_P00010242	1,60812	2,13217	-1,437986369	N/A	100048912	NR_047533	CDKN2B-AS1
A_22_P00000733	1,57843	2,10255	-1,438056142	N/A	N/A	N/A	Inc-ADAMTS9-1
A_33_P3356220	12,4659	12,9901	-1,438135887	ENST00000584850	10948	NM_001165937	STARD3

A_21_P0008150	1,60189	2,1261	-1,438145855	N/A	N/A	N/A	Inc-C13orf44-1
A_33_P3414880	6,36188	6,88612	-1,438175761	N/A	339192	XR_424829	LOC339192
A_21_P0008399	5,51561	6,03986	-1,43818573	N/A	N/A	N/A	Inc-KIF26A-1
A_23_P218817	8,40774	8,93204	-1,438235574	ENST00000360719	1375	NM_152246	CPT1B
A_21_P0011957	1,44137	1,9658	-1,438365178	N/A	N/A	N/A	XLOC_I2_008221
A_32_P47754	4,07104	4,59573	-1,438624421	ENST00000431042	144195	NM_001286233	SLC2A14
A_21_P0005491	4,52731	5,05204	-1,438664309	N/A	N/A	N/A	Inc-C7orf11-5
A_22_P00025420	2,12071	2,64549	-1,43871417	ENST00000447999	N/A	N/A	N/A
A_22_P00003037	2,56138	3,08629	-1,438843817	N/A	100874100	NR_110029	STEAP2-AS1
A_22_P00007687	8,36949	8,89444	-1,438883711	ENST00000606878	100133205	NR_026775	LINC00240
A_21_P0006985	4,03546	4,56046	-1,438933358	N/A	N/A	N/A	Inc-NRP1-1
A_24_P392480	5,66103	6,18608	-1,438983451	ENST00000322217	339344	BC044311	MYPOP
A_21_P0009695	4,09966	4,62471	-1,438983451	ENST00000594200	100128139	NR_110663	LINC01233
A_21_P0011304	1,97888	2,50396	-1,439013374	N/A	N/A	N/A	XLOC_I2_004596
A_23_P23765	9,957	10,4821	-1,439033323	ENST00000489863	23421	NM_014288	ITGB3BP
A_21_P0011959	4,53269	5,05781	-1,439053272	N/A	N/A	N/A	XLOC_I2_008221
A_22_P00005847	1,77787	2,30302	-1,439083197	N/A	N/A	N/A	Inc-ERH-1
A_33_P3268974	4,98707	5,51226	-1,439123097	ENST00000584999	9400	NM_001003716	RECQL5
A_33_P3336657	2,47703	3,00225	-1,439153023	ENST00000427836	389072	NM_001080475	PLEKHM3
A_33_P3401477	1,63469	2,15995	-1,439192925	N/A	N/A	AK310493	Inc-WNT8A-2
A_22_P00019425	2,72241	3,24779	-1,439312639	N/A	N/A	AK027391	Inc-C20orf96-4
A_33_P3253812	8,8109	9,33629	-1,439322616	N/A	N/A	N/A	N/A
A_23_P137814	13,1719	13,6974	-1,439432363	ENST00000236067	533	NM_004047	ATP6V0B
A_21_P0013673	1,51535	2,04092	-1,439502206	N/A	101926917	N/A	LOC101926917
A_21_P0014731	4,14711	4,67274	-1,439562075	N/A	N/A	N/A	N/A
A_24_P67681	11,2187	11,7445	-1,439731715	ENST00000589177	N/A	N/A	N/A
A_24_P941557	1,56012	2,086	-1,439811553	ENST00000489637	89853	NM_001011703	MVB12B
A_33_P3303507	2,38977	2,91576	-1,439921338	N/A	N/A	N/A	N/A
A_24_P18105	11,7817	12,3077	-1,439931319	ENST00000356457	444	NM_032466	ASPH
A_33_P3671378	6,00441	6,53047	-1,439991205	ENST00000463535	51148	NM_016174	CERCAM
A_24_P361643	4,6388	5,16491	-1,440041112	ENST00000396908	148137	NM_001039887	PROSER3
A_19_P00317412	9,58275	10,1089	-1,440081039	N/A	728431	NR_038842	LINC01137
A_21_P0010186	1,35982	1,88619	-1,440300657	ENST00000441759	N/A	N/A	N/A

A_23_P258136	6,74264	7,26905	-1,440340591	ENST00000217939	25878	NM_015419	MXRA5
A_33_P3321417	7,21985	7,74626	-1,440340591	ENST00000440641	55929	NM_019100	DMAP1
A_22_P00005514	1,83901	2,36544	-1,440360559	N/A	N/A	N/A	Inc-EBF3-1
A_23_P51745	1,42818	1,95464	-1,440390511	ENST00000271331	84432	NM_032414	PROK1
A_21_P0013309	3,24428	3,77079	-1,440440432	ENST00000513727	N/A	N/A	N/A
A_22_P00022593	1,57912	2,10579	-1,44060019	ENST00000416173	N/A	N/A	N/A
A_22_P00023581	1,48702	2,01371	-1,440620161	ENST00000444196	N/A	BQ082343	N/A
A_22_P00002692	3,62197	4,14868	-1,440640133	N/A	N/A	N/A	Inc-C1orf95-1
A_21_P0014066	1,56773	2,09468	-1,440879811	N/A	N/A	BX396776	N/A
A_33_P3259736	4,6325	5,15946	-1,440889798	ENST00000382079	23600	NM_014324	AMACR
A_33_P3227691	5,25977	5,78673	-1,440889798	ENST00000564812	6553	NM_004594	SLC9A5
A_24_P275828	10,2128	10,7398	-1,440929749	ENST00000614824	93210	NM_033419	PGAP3
A_22_P00024437	6,49896	7,026	-1,4409697	ENST00000441841	340581	XR_244539	LOC340581
A_22_P00025093	9,50364	10,0307	-1,440989677	ENST00000447271	5774	NM_001145369	PTPN3
A_23_P200772	11,0691	11,5962	-1,44102963	ENST00000337393	84146	NM_201269	ZNF644
A_33_P3257554	8,41645	8,94358	-1,441059596	ENST00000373855	11064	NM_007018	CNTRL
A_23_P133470	10,0523	10,5796	-1,441229413	ENST00000361557	9867	NM_014819	PJA2
A_23_P37265	11,1629	11,6902	-1,441229413	ENST00000261558	55745	NM_018229	AP5M1
A_21_P0009552	1,52092	2,04824	-1,441249393	N/A	N/A	N/A	Inc-SYT4-1
A_22_P00002001	1,96406	2,49155	-1,441419232	ENST00000431525	N/A	N/A	N/A
A_23_P322625	1,47544	2,00297	-1,441459198	ENST00000392039	9290	NM_005683	GPR55
A_21_P0014024	2,76365	3,29129	-1,441569108	N/A	101927777	NR_125803	SATB1-AS1
A_23_P202708	10,4509	10,9786	-1,441629062	ENST00000402192	8567	NM_003682	MADD
A_33_P3212117	2,04027	2,56804	-1,441699012	N/A	100288619	AK130873	LOC100288619
A_23_P55256	8,95592	9,4837	-1,441709005	ENST00000362063	22834	NM_014897	ZNF652
A_21_P0000891	6,87374	7,40153	-1,441718998	N/A	100507495	NR_040047	SDCBP2-AS1
A_33_P3316786	9,69	10,2178	-1,441728992	ENST00000611519	1602	NM_080759	DACH1
A_23_P303810	9,37811	9,90602	-1,441838922	ENST00000485253	131544	NM_153605	CRYBG3
A_23_P128783	11,2075	11,7355	-1,441928871	ENST00000618169	55837	NM_018453	EAPP
A_21_P0014332	4,42245	4,95051	-1,441988841	N/A	N/A	AW874688	N/A
A_33_P3279629	9,65949	10,1876	-1,442038817	ENST00000273610	90226	NM_033199	UCN2
A_24_P201404	9,29369	9,82187	-1,442108787	ENST00000331239	28970	NM_014039	C11orf54
A_21_P0014609	2,68522	3,21346	-1,442168764	N/A	N/A	N/A	N/A

A_22_P00013612	1,47172	2,00024	-1,442448689	ENST00000474711	N/A	N/A	N/A
A_19_P00804417	6,61887	7,14744	-1,442498681	N/A	N/A	N/A	N/A
A_22_P00019828	7,9426	8,47121	-1,442538676	N/A	N/A	DJ031128	Inc-PLCD3-1
A_22_P00001436	1,59272	2,12138	-1,442588672	ENST00000430520	N/A	DA533471	N/A
A_24_P307486	13,7705	14,2992	-1,442628669	ENST00000403866	N/A	N/A	N/A
A_33_P3295173	3,39475	3,92351	-1,442688668	ENST00000371377	51668	AK225916	HSPB11
A_24_P280897	12,3111	12,8399	-1,442728668	ENST00000497298	N/A	N/A	N/A
A_22_P00002137	6,31507	6,84397	-1,442828674	N/A	N/A	N/A	Inc-BPHL-1
A_24_P213548	7,16507	7,69401	-1,442868678	ENST00000356554	10905	NM_006699	MAN1A2
A_23_P350551	13,7854	14,3144	-1,442928687	ENST00000229281	113246	NM_138425	C12orf57
A_24_P396753	5,07789	5,60697	-1,443008702	ENST00000155926	28951	NM_021643	TRIB2
A_23_P18465	10,1553	10,6844	-1,443028707	ENST00000381897	5981	NM_002913	RFC1
A_21_P0000144	3,21478	3,74397	-1,44311873	ENST00000436752	100505478	NM_001199233	LOC100505478
A_23_P339652	1,66795	2,19716	-1,443138736	ENST00000408947	259286	NM_176882	TAS2R40
A_22_P00005880	2,34137	2,87062	-1,443178749	ENST00000556556	N/A	N/A	N/A
A_21_P0010338	7,34177	7,87106	-1,443218763	ENST00000424770	N/A	N/A	N/A
A_23_P78479	2,60028	3,12959	-1,44323877	ENST00000599935	23619	NM_015363	ZIM2
A_23_P153640	9,58837	10,1178	-1,443358821	ENST00000306065	84079	NM_032139	ANKRD27
A_23_P66180	3,66115	4,19083	-1,443608957	ENST00000005284	10368	NM_006539	CACNG3
A_23_P376172	1,35257	1,88226	-1,443618964	ENST00000329454	149563	NM_178840	C1orf64
A_22_P00008872	3,82568	4,35539	-1,443638977	N/A	101929679	XR_424660	LOC101929679
A_33_P3374180	1,96372	2,49347	-1,443679003	N/A	388799	XM_005260411	FAM209B
A_21_P0002432	1,38524	1,91503	-1,443719031	N/A	N/A	N/A	Inc-THADA-1
A_33_P3244669	11,6363	12,1662	-1,443829113	ENST00000230461	55754	NM_018247	TMEM30A
A_23_P213375	5,33605	5,86596	-1,443839121	ENST00000194155	56133	NM_018936	PCDHB2
A_23_P11408	1,40025	1,93034	-1,444019275	ENST00000472391	442862	NM_001002758	PRY2
A_21_P0008244	1,35642	1,8866	-1,444109361	N/A	N/A	N/A	Inc-SOX1-4
A_33_P3316978	8,73987	9,27009	-1,444149401	ENST00000377939	388591	NM_207396	RNF207
A_21_P0013027	3,59831	4,12867	-1,444289548	ENST00000511369	101927189	NR_125842	LOC101927189
A_33_P3215317	4,02466	4,55506	-1,444329593	ENST00000370684	5567	NM_001300917	PRKACB
A_33_P3366493	6,51919	7,04976	-1,444499796	N/A	N/A	N/A	N/A
A_23_P114826	12,6003	13,1309	-1,444529834	ENST00000462067	64960	NM_031280	MRPS15
A_33_P3334635	10,3329	10,8635	-1,444529834	ENST00000313433	6118	NM_001286076	RPA2

A_19_P00318361	5,50184	6,03253	-1,444619951	N/A	285352	NR_033373	KIF9-AS1
A_33_P3372979	9,09106	9,62179	-1,444660005	N/A	283267	NR_015451	LINC00294
A_22_P00009779	3,32398	3,85488	-1,444830246	ENST00000576138	N/A	N/A	N/A
A_33_P3355090	8,17426	8,70517	-1,444840261	ENST00000458198	91368	NM_080656	CDKN2AIPNL
A_23_P75529	1,68652	2,21744	-1,444850276	ENST00000526955	63876	NM_022062	PKNOX2
A_21_P0007388	2,15001	2,68094	-1,444860291	N/A	N/A	N/A	Inc-CCDC82-4
A_33_P3209182	1,53685	2,06784	-1,444920382	ENST00000519677	N/A	N/A	N/A
A_24_P274270	10,3756	10,9067	-1,445030556	ENST00000452281	6772	NM_139266	STAT1
A_23_P386320	5,2836	5,81475	-1,445080638	ENST00000296351	4241	NM_033316	MF12
A_22_P00006090	2,92072	3,4519	-1,445110688	ENST00000509332	100996286	NR_121627	LOC100996286
A_21_P0000896	1,49735	2,02858	-1,445160773	ENST00000421703	284649	NR_040063	SMG7-AS1
A_24_P79808	8,20658	8,73782	-1,44517079	ENST00000368463	57326	NM_020524	PBXIP1
A_22_P00015633	3,95658	4,488	-1,44535111	N/A	N/A	BG196607	Inc-SUMO1-1
A_23_P374389	11,475	12,0065	-1,445431259	ENST00000305233	170394	NM_138499	PWWP2B
A_33_P3239414	14,6408	15,1724	-1,445531453	ENST00000395416	N/A	N/A	N/A
A_22_P00016419	2,81919	3,35089	-1,445631653	N/A	N/A	N/A	Inc-TMEM234-1
A_22_P00011845	1,59572	2,12743	-1,445641673	N/A	N/A	N/A	Inc-PHLDB1-1
A_33_P3240348	6,58245	7,11424	-1,445721839	ENST00000556855	4763	NM_000267	NF1
A_33_P3392250	7,66049	8,19231	-1,445751902	N/A	55719	NM_001243770	FAM178A
A_22_P00024187	1,97581	2,50768	-1,445802009	ENST00000500850	N/A	BC037861	N/A
A_22_P00025286	12,9609	13,4929	-1,445932295	ENST00000569980	57017	NM_020312	COQ9
A_24_P325520	9,99977	10,5318	-1,445962362	ENST00000256637	6272	NM_002959	SORT1
A_23_P428129	8,01746	8,54949	-1,445962362	ENST00000616138	1028	NM_000076	CDKN1C
A_22_P00021997	2,51268	3,04477	-1,446022499	N/A	N/A	N/A	Inc-IL17B-3
A_22_P00024597	1,74179	2,27393	-1,446072615	ENST00000561161	N/A	N/A	N/A
A_22_P00010971	6,96894	7,5011	-1,446092662	N/A	N/A	N/A	Inc-NRIP2-1
A_22_P00009626	4,42026	4,95253	-1,446202926	N/A	101927768	NR_125845	LOC101927768
A_33_P3349269	8,2739	8,80624	-1,446273098	ENST00000398654	9063	NM_004671	PIAS2
A_22_P00004335	2,23959	2,77198	-1,446323223	N/A	N/A	BC036702	Inc-COIL-3
A_33_P3446495	8,70212	9,23452	-1,446333248	ENST00000398540	23150	NM_015123	FRMD4B
A_33_P3318414	12,0411	12,5736	-1,446433503	ENST00000313093	23526	NM_012292	HMHA1
A_33_P3365368	1,42637	1,95906	-1,446624008	N/A	100130278	AK094114	LOC100130278
A_22_P00009753	3,30205	3,83487	-1,446754368	ENST00000413901	N/A	BI668294	N/A

A_24_P135862	2,60662	3,13948	-1,446794481	N/A	N/A	AF119866	N/A
A_33_P3363620	7,57627	8,10913	-1,446794481	ENST00000537354	641649	NM_001098824	TMEM91
A_33_P3407746	3,58868	4,12155	-1,44680451	ENST00000378551	5495	NM_177968	PPM1B
A_33_P3398316	1,5451	2,07805	-1,44688474	ENST00000260229	64066	NM_022122	MMP27
A_33_P3352822	6,12793	6,66094	-1,446944915	ENST00000282282	284306	AX721128	ZNF547
A_21_P0014462	5,993	6,52628	-1,447215736	N/A	100507113	XR_112334	ZNF638-IT1
A_33_P3285271	2,73188	3,2652	-1,447255862	ENST00000367754	388714	NR_002601	FMO6P
A_24_P481375	9,51712	10,0505	-1,447316053	ENST00000421202	100131564	NR_034089	LOC100131564
A_24_P57170	7,51719	8,05065	-1,447396311	ENST00000539771	148137	NM_001039887	PROSER3
A_22_P00011939	1,86527	2,39874	-1,447406344	N/A	N/A	N/A	Inc-PIWIL4-1
A_23_P132277	11,2471	11,7807	-1,447536774	ENST00000216122	4174	NM_006739	MCM5
A_22_P00007751	4,35064	4,88427	-1,447566875	N/A	N/A	BC040577	Inc-HMGB2-3
A_33_P3225298	7,65805	8,19173	-1,447617045	ENST00000408926	389668	NM_001287258	XKR9
A_23_P358944	12,2748	12,8086	-1,447737459	ENST00000435786	5371	NM_033244	PML
A_33_P3262794	6,52139	7,05527	-1,447817741	ENST00000560121	54816	NM_017661	ZNF280D
A_33_P3415113	3,02929	3,56318	-1,447827777	ENST00000376490	1185	NM_001286	CLCN6
A_22_P00000410	2,95663	3,49065	-1,447958245	ENST00000572007	N/A	XR_111805	N/A
A_22_P00023143	3,53231	4,06652	-1,448148951	N/A	N/A	AV761168	Inc-POLE3-1
A_22_P00023421	3,53151	4,06586	-1,448289487	ENST00000562040	N/A	CR745865	N/A
A_21_P0005461	4,71667	5,25103	-1,448299526	N/A	102723672	XR_426123	LOC102723672
A_19_P00808348	9,62693	10,1614	-1,448409957	ENST00000586784	101927151	N/A	LOC101927151
A_23_P161399	9,54543	10,0799	-1,448409957	ENST00000485566	4601	NM_130439	MXI1
A_24_P365526	1,67643	2,21091	-1,448419997	ENST00000375862	3055	NM_002110	HCK
A_24_P541919	5,64915	6,18364	-1,448430037	ENST00000389082	160518	NM_144973	DENND5B
A_23_P62881	1,37825	1,91288	-1,4485706	ENST00000435165	84251	NM_032291	SGIP1
A_21_P0007345	1,97615	2,51083	-1,448620805	N/A	N/A	N/A	Inc-ALX4-1
A_19_P00809076	8,37897	8,9137	-1,448671011	N/A	644246	NR_034172	KANSL1-AS1
A_23_P93213	2,19931	2,7341	-1,448731261	ENST00000372585	10864	NM_153320	SLC22A7
A_24_P280833	7,5311	8,06594	-1,448781471	ENST00000418362	100129138	NR_033990	LOC100129138
A_23_P259098	4,61408	5,14892	-1,448781471	ENST00000340487	80345	NM_025231	ZSCAN16
A_22_P00009547	1,89153	2,42645	-1,44886181	N/A	104355297	NR_126414	ABCA9-AS1
A_23_P134167	7,82503	8,36005	-1,448962241	ENST00000369037	57107	NM_020381	PDSS2
A_23_P307844	3,28949	3,82451	-1,448962241	ENST00000451000	254295	NM_174933	PHYHD1



A_22_P00000925	1,57414	2,10921	-1,449012459	ENST00000542988	N/A	N/A	N/A
A_23_P141180	12,2573	12,7924	-1,449042591	ENST00000581396	146691	NM_001082968	TOM1L2
A_23_P122896	5,61868	6,15378	-1,449042591	ENST00000473374	7036	NM_003227	TFR2
A_33_P3344277	4,80501	5,34028	-1,449213349	N/A	64342	BC057389	HS1BP3
A_33_P3842886	12,0528	12,5882	-1,449343942	ENST00000430942	27434	NM_013284	POLM
A_22_P00007515	3,17426	3,70969	-1,449374081	N/A	N/A	N/A	Inc-H2AFV-1
A_33_P3345479	6,19788	6,73332	-1,449384127	ENST00000360737	400931	NR_027033	MIRLET7BHG
A_33_P3340620	2,6478	3,18327	-1,449414267	ENST00000597833	22952	NR_040249	CYP2G1P
A_23_P128919	15,2465	15,782	-1,449444407	ENST00000254301	3958	NM_002306	LGALS3
A_22_P00006967	3,78619	4,3217	-1,449454453	ENST00000435163	100505783	NR_038337	OSER1-AS1
A_23_P167920	8,96747	9,50301	-1,449484594	ENST00000616526	28514	NM_005618	DLL1
A_23_P346376	1,41979	1,95535	-1,449504689	ENST00000475374	27334	NM_014499	P2RY10
A_33_P3302025	2,14514	2,68077	-1,449575021	ENST00000380566	92949	NM_052866	ADAMTSL1
A_23_P254507	1,63233	2,16805	-1,449665453	ENST00000508121	84525	NM_139211	HOPX
A_33_P3340264	2,6041	3,13984	-1,44968555	N/A	N/A	N/A	N/A
A_33_P3242649	8,66663	9,20241	-1,449725744	ENST00000263181	81930	NM_031217	KIF18A
A_23_P159839	10,8929	11,4287	-1,449745841	ENST00000371313	29071	NM_152692	C1GALT1C1
A_21_P0012208	8,04547	8,5814	-1,449876483	N/A	N/A	N/A	Inc-C21orf58-1
A_22_P00015457	11,8393	12,3753	-1,449946833	ENST00000473756	N/A	N/A	N/A
A_21_P0013662	16,9895	17,5256	-1,450047339	ENST00000447574	3315	N/A	HSPB1
A_23_P170636	1,87774	2,41388	-1,450087543	ENST00000328405	131096	NM_144633	KCNH8
A_33_P3331272	1,37865	1,91482	-1,450117697	N/A	N/A	N/A	N/A
A_23_P208870	10,6768	11,213	-1,450147852	ENST00000476266	208	NM_001626	AKT2
A_33_P3357954	4,64815	5,18441	-1,450208163	ENST00000403685	2115	NM_004956	ETV1
A_22_P00011488	3,4331	3,96936	-1,450208163	ENST00000567871	26873	N/A	OPLAH
A_33_P3308833	5,97254	6,50882	-1,450228268	ENST00000475776	54058	NM_001286476	C21orf58
A_22_P00015234	1,90607	2,44239	-1,450268477	N/A	N/A	DB050195	Inc-SPACA3-1
A_21_P0005960	3,29667	3,83311	-1,450389112	N/A	N/A	N/A	Inc-PRAGMIN.1-3
A_22_P00009697	1,90536	2,44184	-1,450429326	N/A	N/A	N/A	Inc-MBOAT4-1
A_24_P67748	7,98175	8,51841	-1,450610302	ENST00000619705	N/A	N/A	N/A
A_23_P348159	3,29896	3,83567	-1,450660577	ENST00000439203	667	XM_005249317	DST
A_33_P3388810	2,92961	3,46643	-1,450771189	ENST00000370895	100526835	BX640903	FPGT-TNNI3K
A_22_P00007673	7,30118	7,8382	-1,450972322	N/A	N/A	N/A	Inc-HIATL1-1

A_22_P00010804	2,42718	2,96425	-1,45102261	N/A	N/A	N/A	Inc-NME3-1
A_33_P3308055	10,0683	10,6054	-1,451052784	N/A	9470	NM_001282958	EIF4E2
A_23_P24211	2,63789	3,17499	-1,451052784	ENST00000368808	118856	NM_147191	MMP21
A_23_P204736	3,0906	3,62774	-1,451093016	ENST00000301149	2819	NM_005276	GPD1
A_33_P3394183	8,43836	8,97559	-1,451183543	ENST00000336614	388569	NM_207395	ZNF324B
A_21_P0004108	5,93803	6,47528	-1,45120366	ENST00000512978	N/A	N/A	N/A
A_33_P3221064	12,8333	13,3706	-1,451253956	ENST00000595118	8425	NM_001042544	LTBP4
A_33_P3386562	1,41132	1,94883	-1,451465217	ENST00000371838	84871	NM_032785	AGBL4
A_33_P3293869	5,88647	6,42399	-1,451475278	ENST00000369086	7073	AB209260	TIAL1
A_22_P00010207	2,77679	3,31433	-1,4514954	N/A	100506235	XR_245000	LOC100506235
A_23_P139471	5,42564	5,96322	-1,451535645	ENST00000552361	6231	NM_001029	RPS26
A_23_P142096	2,28	2,8176	-1,451555767	ENST00000270590	2854	NM_001506	GPR32
A_24_P160380	1,43651	1,97412	-1,451565829	ENST00000265810	64236	NM_176871	PDLIM2
A_23_P135357	8,79791	9,33567	-1,451716759	ENST00000304478	55178	NM_018146	RNMTL1
A_33_P3216853	6,1659	6,70372	-1,451777135	ENST00000409684	150590	NM_144706	C2orf15
A_33_P3415166	1,9014	2,43923	-1,451787198	N/A	N/A	N/A	N/A
A_23_P152082	4,39164	4,92948	-1,451797262	ENST00000563899	51332	NM_016642	SPTBN5
A_33_P3355732	3,35074	3,88865	-1,451867705	ENST00000491559	89766	AB096971	UMODL1
A_23_P54100	1,96041	2,49839	-1,451938152	ENST00000344288	2100	NM_001437	ESR2
A_23_P37988	10,288	10,826	-1,45195828	ENST00000567011	221184	NM_152727	CPNE2
A_24_P382319	12,1817	12,7198	-1,452058925	ENST00000403444	634	NM_001712	CEACAM1
A_24_P125839	6,85312	7,39131	-1,452149512	ENST00000400559	54149	NM_017447	C21orf91
A_33_P3382629	4,03597	4,5743	-1,452290437	N/A	N/A	AY070437	Inc-GFM1-1
A_22_P00014656	2,89492	3,43335	-1,452391105	N/A	N/A	BM052692	Inc-SLC1A7-1
A_21_P0002122	1,72317	2,26171	-1,452501849	ENST00000431455	N/A	N/A	N/A
A_33_P3248967	10,9411	11,4797	-1,452562258	ENST00000261681	64398	NM_022474	MPP5
A_23_P74162	6,11937	6,65817	-1,45276364	ENST00000617816	55721	NM_018134	IQCC
A_23_P47777	10,9247	11,4636	-1,452864341	ENST00000548358	92979	NM_138396	mar-09
A_24_P944444	9,22095	9,75988	-1,452894553	ENST00000514566	23005	NM_014994	MAPKBP1
A_23_P402331	3,93924	4,47821	-1,452934836	ENST00000372789	149708	NM_145652	WFDC5
A_33_P3309222	2,70464	3,24362	-1,452944907	ENST00000400831	441178	NR_117092	LOC441178
A_33_P3337981	4,8634	5,40263	-1,453196705	ENST00000415980	9896	NM_014845	FIG4
A_23_P89710	9,51994	10,0592	-1,453226924	ENST00000430049	55125	NM_032142	CEP192

A_23_P112482	15,4974	16,0367	-1,453267217	ENST00000494313	360	NM_004925	AQP3
A_24_P298877	12,3016	12,8409	-1,453267217	ENST00000474140	339448	NM_207356	C1orf174
A_23_P122852	9,72509	10,2644	-1,45327729	ENST00000356800	6604	NM_003078	SMARCD3
A_22_P00010900	6,34335	6,88268	-1,453297437	ENST00000574939	N/A	XM_006716895	N/A
A_22_P00003411	1,48385	2,02323	-1,453347805	N/A	N/A	N/A	Inc-CCDC13-1
A_33_P3375185	5,34268	5,88209	-1,453378027	ENST00000339355	343521	NM_001013632	TCTEX1D4
A_21_P0010492	8,15767	8,69726	-1,453559371	ENST00000624368	N/A	N/A	N/A
A_22_P00008896	1,9456	2,4852	-1,453569446	N/A	N/A	N/A	Inc-KLHL31-3
A_23_P70007	11,5557	12,0953	-1,453569446	ENST00000358715	3161	NM_012484	HMMR
A_33_P3401008	2,08783	2,62761	-1,453750814	ENST00000592731	284417	NM_001282011	TMEM150B
A_21_P0000301	7,21636	7,75614	-1,453750814	N/A	654319	NR_002919	SNORA5A
A_22_P00020282	1,34392	1,8839	-1,453952361	N/A	N/A	N/A	Inc-ZNF217-2
A_22_P00017480	1,6666	2,20662	-1,453992674	N/A	N/A	N/A	Inc-VSTM4-1
A_33_P3241204	3,00044	3,54057	-1,454103539	ENST00000369783	119395	NM_001129742	CALHM3
A_33_P3302373	3,52784	4,06805	-1,454184174	ENST00000562955	23334	NM_015284	SZT2
A_22_P00008520	1,55107	2,09136	-1,454264814	ENST00000518357	257358	NR_026945	LINC01366
A_21_P0007757	2,31049	2,85093	-1,454416024	N/A	N/A	N/A	Inc-SSH1-2
A_33_P3389133	6,10876	6,64924	-1,45445635	ENST00000371994	9562	NM_001178117	MINPP1
A_33_P3279940	11,4144	11,9549	-1,454476513	ENST00000371178	83941	NM_032027	TM2D1
A_32_P120895	10,3912	10,9317	-1,454476513	ENST00000560491	256586	NM_153374	LYSMD2
A_33_P3311770	7,21037	7,75099	-1,454597498	ENST00000331410	285989	NM_213603	ZNF789
A_33_P3320052	1,43301	1,97364	-1,454607581	N/A	N/A	N/A	N/A
A_21_P0007923	1,75577	2,29643	-1,454637829	ENST00000443719	103689843	N/A	LINC01046
A_23_P32707	10,2073	10,748	-1,45467816	ENST00000552462	9700	NM_012291	ESPL1
A_21_P0012754	1,55127	2,09199	-1,454698327	N/A	101929911	N/A	LOC101929911
A_33_P3235731	1,37357	1,91429	-1,454698327	N/A	101930072	XM_005276324	LOC101930072
A_23_P203267	12,9047	13,4455	-1,454778994	ENST00000341846	23650	NM_012101	TRIM29
A_22_P00024127	2,15854	2,69955	-1,454990769	ENST00000457372	N/A	N/A	N/A
A_21_P0005523	1,3974	1,93856	-1,455142055	N/A	N/A	N/A	Inc-CTTNBP2-3
A_22_P00018021	2,60619	3,14751	-1,455303444	ENST00000584721	N/A	N/A	N/A
A_24_P627984	6,37745	6,91892	-1,455454763	ENST00000322716	9852	NM_014805	EPM2AIP1
A_33_P3295313	1,38099	1,92247	-1,455464852	ENST00000440896	2206	NM_000139	MS4A2
A_23_P208400	6,41286	6,95438	-1,455505206	ENST00000593724	79934	NM_024876	ADCK4

A_22_P00023797	2,9106	3,45218	-1,45556574	N/A	N/A	N/A	Inc-MDM4-1
A_23_P6252	1,63791	2,17958	-1,455656546	ENST00000465532	84677	NR_026838	DSCR8
A_24_P15898	2,61311	3,15478	-1,455656546	ENST00000295012	574407	NR_073155	C1orf145
A_33_P3365134	10,7323	11,274	-1,455686816	ENST00000556597	23368	NM_015316	PPP1R13B
A_23_P394836	11,7654	12,3071	-1,455686816	ENST00000392634	64423	NM_022489	INF2
A_24_P350008	14,4478	14,9895	-1,455686816	ENST00000442083	N/A	N/A	N/A
A_21_P0014013	8,3483	8,89003	-1,455717086	N/A	N/A	N/A	N/A
A_22_P00005436	2,22657	2,76834	-1,455757448	N/A	N/A	N/A	Inc-DUOX1-1
A_21_P0013987	1,37986	1,92186	-1,455989549	N/A	100509780	AK098579	LOC100509780
A_19_P00316185	7,53336	8,07538	-1,456009733	N/A	101927686	XR_426095	LOC101927686
A_23_P311640	8,57341	9,11552	-1,456100567	ENST00000474713	3268	NM_006076	AGFG2
A_21_P0001530	1,61254	2,1548	-1,456251969	N/A	N/A	N/A	Inc-ODF2L-1
A_22_P00019537	3,61821	4,16055	-1,456332723	ENST00000414480	103695431	N/A	LINC01048
A_33_P3252196	10,3695	10,9119	-1,456393291	ENST00000320356	2146	NM_004456	EZH2
A_21_P0008157	1,34469	1,88709	-1,456393291	N/A	N/A	N/A	Inc-SLC25A30-2
A_23_P107211	9,9063	10,4487	-1,456393291	ENST00000393860	5878	NM_201434	RAB5C
A_21_P0005184	4,11221	4,65471	-1,456494244	N/A	N/A	N/A	Inc-WDR27-1
A_19_P00322384	4,45006	4,99256	-1,456494244	ENST00000441570	79940	NR_121612	LINC00472
A_23_P106241	9,95178	10,4943	-1,456514435	ENST00000267622	9321	NM_004239	TRIP11
A_23_P200560	13,6774	14,2201	-1,456696171	ENST00000400259	998	NM_001039802	CDC42
A_21_P0000558	1,83992	2,38269	-1,456766852	N/A	100302650	NR_028308	BRE-AS1
A_23_P122144	3,59384	4,13663	-1,456787047	ENST00000515801	133688	NM_152404	UGT3A1
A_23_P436526	6,01063	6,55343	-1,456797145	ENST00000318596	284439	NM_178526	SLC25A42
A_21_P0009789	2,6737	3,21652	-1,456817341	N/A	N/A	N/A	Inc-SELV.1-1
A_21_P0008707	1,542	2,08482	-1,456817341	ENST00000567854	791115	NR_026647	PWRN2
A_33_P3376828	10,4987	11,0416	-1,456898126	ENST00000454304	112616	NM_138410	CMTM7
A_33_P3301306	8,95079	9,49382	-1,457029412	ENST00000355193	58508	NM_170606	KMT2C
A_22_P00005437	1,62726	2,17034	-1,457079909	N/A	N/A	N/A	Inc-DUOX2-2
A_23_P213102	11,1728	11,7161	-1,45730212	ENST00000507699	23022	NM_016081	PALLD
A_23_P57492	1,71113	2,25444	-1,457312221	ENST00000266086	6527	NM_014227	SLC5A4
A_22_P00024819	3,13159	3,67493	-1,457342525	ENST00000564692	4351	AL565098	MPI
A_22_P00008369	2,89951	3,44291	-1,457403136	N/A	102724416	XR_426706	LOC102724416
A_23_P20363	10,2099	10,7533	-1,457403136	ENST00000263849	51101	NM_016010	ZC2HC1A

A_24_P164894	5,76228	6,30569	-1,457413238	ENST00000475009	10311	NM_006052	DSCR3
A_21_P0013566	2,13491	2,67834	-1,457433442	N/A	643827	N/A	CNTNAP3P2
A_22_P00004669	6,20076	6,74437	-1,457615292	ENST00000556653	N/A	N/A	N/A
A_21_P0007525	2,14244	2,68611	-1,457675914	N/A	N/A	N/A	Inc-KIAA1467-1
A_24_P58488	2,30197	2,84567	-1,457706226	ENST00000615983	129852	NM_001100396	C2orf73
A_24_P100830	4,9462	5,48992	-1,457726434	ENST00000281471	196394	NM_001278412	AMN1
A_33_P3334688	1,58773	2,13145	-1,457726434	ENST00000565951	221184	AK126138	CPNE2
A_23_P168403	1,36382	1,90754	-1,457726434	ENST00000262186	3757	NM_000238	KCNH2
A_33_P3387075	2,80025	3,34399	-1,457746643	N/A	N/A	N/A	N/A
A_22_P00010376	3,13702	3,68096	-1,457948743	ENST00000569543	N/A	CR749723	N/A
A_33_P3301291	2,05471	2,59866	-1,457958849	ENST00000376708	442425	NM_001013735	FOXB2
A_33_P3320499	5,59518	6,13925	-1,458080124	ENST00000353383	10743	NM_030665	RAI1
A_23_P305527	1,38685	1,93101	-1,458171086	ENST00000358864	117532	NM_080751	TMC2
A_33_P3419113	1,40123	1,94551	-1,458292379	ENST00000303728	442862	NM_001002758	PRY2
A_23_P49499	12,6954	13,2397	-1,458312595	ENST00000225276	10610	NM_006456	ST6GALNAC2
A_23_P7957	2,74225	3,28666	-1,45842379	ENST00000372808	27232	NM_018960	GNMT
A_22_P00014396	2,82806	3,37251	-1,458464227	ENST00000518446	253970	NM_001101341	SFTA3
A_32_P50431	3,1782	3,72274	-1,458555213	ENST00000615506	6767	NM_003932	ST13
A_33_P3297468	7,68811	8,23266	-1,458565323	ENST00000538474	142680	NM_001177317	SLC34A3
A_33_P3410724	12,8415	13,3861	-1,458615874	ENST00000342751	6391	NM_003001	SDHC
A_33_P3260969	9,1477	9,69242	-1,458737203	ENST00000463201	118471	NM_145202	PRAP1
A_33_P3278560	4,5163	5,0611	-1,458818095	ENST00000597850	284307	NM_001010879	ZIK1
A_22_P00009585	6,41818	6,96301	-1,458848431	ENST00000611604	286076	NR_015445	BREA2
A_23_P18490	9,14467	9,68963	-1,458979892	ENST00000514708	10296	NM_001017405	MAEA
A_24_P41570	14,377	14,922	-1,459020344	ENST00000527366	3015	NM_002106	H2AFZ
A_33_P3405334	13,5362	14,0812	-1,459020344	ENST00000357164	2760	NM_000405	GM2A
A_22_P00016669	1,63894	2,184	-1,459081024	ENST00000547102	126536	NR_026828	LINC00661
A_23_P132079	1,38986	1,93493	-1,459091138	ENST00000479548	56245	NM_019596	C21orf62
A_22_P00020859	2,38571	2,93082	-1,459131593	N/A	N/A	AK123656	Inc-IL12RB2-1
A_23_P344594	4,23071	4,77584	-1,459151821	ENST00000296776	134288	NM_153217	TMEM174
A_23_P395555	9,54306	10,0882	-1,459161935	ENST00000590089	7769	NM_001032372	ZNF226
A_22_P00019797	2,02015	2,56533	-1,459202392	ENST00000507997	N/A	BX117217	N/A
A_23_P398294	12,0378	12,583	-1,459222621	ENST00000253083	9026	NM_003959	HIP1R

A_33_P3281303	1,57467	2,11992	-1,459273195	N/A	N/A	N/A	N/A
A_24_P337058	11,5598	12,1051	-1,459323771	ENST00000468977	57018	NM_020307	CCNL1
A_21_P0013285	3,24084	3,78619	-1,459374348	N/A	101927668	N/A	LOC101927668
A_23_P135548	9,88775	10,4332	-1,459475507	ENST00000370192	1806	NM_000110	DPYD
A_21_P0014175	7,96161	8,50707	-1,459485624	N/A	100506302	NR_126344	LOC100506302
A_22_P00020016	1,7219	2,26744	-1,459566557	ENST00000538329	N/A	N/A	N/A
A_24_P943095	6,28433	6,82988	-1,459576674	ENST00000492188	92521	NM_001033553	SPECC1
A_23_P407614	9,07198	9,61759	-1,459637377	ENST00000302964	260434	NM_152901	PYDC1
A_22_P00024637	6,84366	7,38931	-1,459677848	N/A	N/A	N/A	Inc-SYNC-2
A_23_P432512	8,51317	9,05884	-1,459698083	ENST00000446951	23759	NM_148175	PPIL2
A_23_P41217	1,96141	2,50709	-1,459708201	ENST00000308611	131450	NM_138806	CD200R1
A_33_P3533001	4,48747	5,03316	-1,459718319	N/A	286480	AL568675	UBE2E4P
A_23_P326760	1,60147	2,14729	-1,459849859	ENST00000396217	25924	NM_015460	MYRIP
A_33_P3212909	1,96285	2,50867	-1,459849859	ENST00000419474	85446	NM_033400	ZFHX2
A_24_P383609	8,41239	8,95835	-1,459991531	ENST00000340087	340719	NM_199461	NANOS1
A_23_P87351	12,0144	12,5604	-1,460032011	ENST00000532170	6240	NM_001033	RRM1
A_33_P3414695	10,7275	11,2735	-1,460032011	ENST00000375000	50809	NM_016287	HP1BP3
A_21_P0003208	10,1063	10,6524	-1,460133216	N/A	N/A	N/A	Inc-KIAA0226-3
A_23_P501713	3,0189	3,56514	-1,460274915	ENST00000496265	84639	NM_032556	IL1F10
A_33_P3357470	6,54512	7,09143	-1,46034577	ENST00000469714	9185	NM_004726	REPS2
A_23_P62081	3,38384	3,93015	-1,46034577	ENST00000475752	6447	NM_003020	SCG5
A_24_P288836	4,60489	5,15148	-1,460629223	ENST00000461425	3116	NR_001435	HLA-DPB2
A_21_P0006902	8,25532	8,80191	-1,460629223	ENST00000454935	N/A	N/A	N/A
A_23_P314120	9,88358	10,4302	-1,460659596	ENST00000468532	1120	NM_005198	CHKB
A_22_P00014899	5,12249	5,66912	-1,460669721	N/A	N/A	N/A	Inc-SLC9A1-1
A_33_P3302741	3,10506	3,65181	-1,460791221	ENST00000589178	100101467	AK131291	ZSCAN30
A_22_P00015715	1,61987	2,16683	-1,46100387	N/A	N/A	DA207246	Inc-SYT13-1
A_33_P3387045	8,58258	9,12979	-1,461257065	ENST00000332439	124637	NM_144607	CYB5D1
A_33_P3280320	2,80291	3,35013	-1,461267194	N/A	100288524	NM_001195127	WI2-2373I.2
A_21_P0002655	3,3489	3,89615	-1,46129758	N/A	100505774	XR_109967	LOC100505774
A_21_P0014670	2,78327	3,33059	-1,461368485	N/A	N/A	N/A	N/A
A_21_P0007560	1,51119	2,05854	-1,461398873	N/A	N/A	N/A	Inc-HOXC13-2
A_23_P418493	9,85512	10,4025	-1,461429262	ENST00000496852	91647	NM_145691	ATPAF2

A_23_P154358	11,5021	12,0495	-1,461449522	ENST00000487138	150696	NM_144707	PROM2
A_23_P151791	8,34963	8,89704	-1,461459652	ENST00000553481	1241	NM_181657	LTB4R
A_33_P3389113	2,98193	3,52962	-1,461743322	N/A	643749	NR_034108	TRAF3IP2-AS1
A_24_P329229	3,44766	3,9954	-1,461793983	ENST00000275532	154881	NM_153033	KCTD7
A_21_P0005907	1,95869	2,50654	-1,461905443	N/A	N/A	N/A	Inc-FAM84B-8
A_21_P0009394	4,85759	5,4055	-1,461966243	N/A	N/A	N/A	Inc-AMZ2-1
A_23_P212497	7,51366	8,06157	-1,461966243	ENST00000485198	84129	NM_032169	ACAD11
A_21_P0011956	4,89449	5,44246	-1,462027046	N/A	N/A	N/A	XLOC_I2_008221
A_23_P420269	5,36217	5,91014	-1,462027046	ENST00000444766	57508	NM_020748	INTS2
A_23_P217845	7,7233	8,27137	-1,46212839	ENST00000367558	6004	NM_002928	RGS16
A_24_P409346	7,71359	8,26171	-1,462179064	ENST00000527824	9520	NM_006310	NPEPPS
A_22_P00025554	2,46526	3,01339	-1,462189199	ENST00000535242	N/A	N/A	N/A
A_22_P00007081	1,39664	1,9449	-1,462320962	N/A	N/A	N/A	Inc-GLIPR1L1-1
A_33_P3613516	10,1312	10,6795	-1,462361506	N/A	101927167	AK024653	GATA2-AS1
A_22_P00017891	2,91106	3,45939	-1,462391916	N/A	N/A	N/A	Inc-ZFC3H1-1
A_21_P0009220	1,45819	2,00653	-1,462402052	N/A	N/A	N/A	Inc-C17orf48-4
A_22_P00018839	1,58349	2,13185	-1,462422325	ENST00000435738	N/A	N/A	N/A
A_33_P3409086	1,34758	1,89606	-1,462543971	ENST00000368696	6271	NM_006271	S100A1
A_32_P74955	8,45846	9,00704	-1,462645351	ENST00000334344	196528	NM_152641	ARID2
A_23_P391275	8,11075	8,65933	-1,462645351	ENST00000482807	11123	NM_013441	RCAN3
A_23_P92954	10,9732	11,5218	-1,462665627	ENST00000522415	3295	NM_000414	HSD17B4
A_23_P304682	12,2496	12,7983	-1,462767015	ENST00000359543	2013	NM_001424	EMP2
A_23_P387537	2,98391	3,53266	-1,462817712	ENST00000538575	79057	NM_024082	PRRG3
A_33_P3270926	2,86136	3,41012	-1,462827851	N/A	N/A	XR_110088	N/A
A_24_P228149	14,7157	15,2646	-1,462969812	ENST00000587118	3860	NM_002274	KRT13
A_21_P0010872	1,38172	1,93064	-1,462990093	N/A	100996567	N/A	ANTXRPL1
A_33_P3287892	4,66206	5,21101	-1,463020515	ENST00000480144	79811	AK131242	SLTM
A_21_P0013635	3,30756	3,85651	-1,463020515	N/A	N/A	N/A	XLOC_I2_015177
A_21_P0006231	3,81089	4,35985	-1,463030656	N/A	N/A	N/A	Inc-METTLL11A-5
A_23_P141939	1,3986	1,94766	-1,463132069	ENST00000305444	390883	NM_001001958	OR7G3
A_21_P0012850	3,74265	4,29173	-1,463152353	N/A	101926941	NR_120664	LOC101926941
A_33_P3226605	10,6216	11,1707	-1,463172637	ENST00000380733	11168	NM_033222	PSIP1
A_23_P213863	7,16773	7,71692	-1,463263917	ENST00000507212	54540	NM_001190946	FAM193B

A_23_P68610	12,4938	13,043	-1,46327406	ENST00000340513	22974	NM_012112	TPX2
A_23_P17074	11,5967	12,1459	-1,46327406	ENST00000465315	84317	NM_032357	CCDC115
A_23_P154188	10,1305	10,6798	-1,463375489	ENST00000259234	79595	NM_024545	SAP130
A_23_P17769	13,3013	13,8507	-1,463476926	ENST00000615721	1652	NM_001355	DDT
A_23_P107166	6,37781	6,92728	-1,463547936	ENST00000586346	79777	NM_024722	ACBD4
A_21_P0005034	1,61619	2,16566	-1,463547936	N/A	N/A	N/A	Inc-HTR1B-2
A_24_P943575	10,3521	10,9016	-1,46357837	ENST00000373233	84181	NM_032221	CHD6
A_21_P0001423	1,55207	2,10167	-1,463679821	N/A	N/A	N/A	Inc-LYPLAL1-1
A_21_P0008845	4,20924	4,75885	-1,463689967	N/A	N/A	N/A	Inc-OIP5-1
A_21_P0003198	1,41297	1,96258	-1,463689967	N/A	N/A	N/A	Inc-CRYGS-1
A_33_P3236558	7,17105	7,72067	-1,463700113	ENST00000487174	56063	NM_019118	TMEM234
A_22_P00008974	1,55025	2,09989	-1,463720404	ENST00000583316	400643	NR_034100	LINC00668
A_22_P00014113	4,0096	4,55936	-1,463842158	N/A	N/A	N/A	Inc-SBK2-1
A_22_P00014194	3,77641	4,32618	-1,463852304	N/A	N/A	DA295001	Inc-SDSL-4
A_23_P393172	1,71579	2,26568	-1,463974069	ENST00000396073	10117	NM_031889	ENAM
A_23_P129169	4,04891	4,59895	-1,46412629	ENST00000435365	1583	NM_000781	CYP11A1
A_24_P119577	9,71267	10,2628	-1,464217629	ENST00000373836	65979	NM_001048183	PHACTR4
A_23_P388433	10,5378	11,088	-1,464288675	ENST00000623169	401152	NM_001170330	C4orf3
A_32_P799227	5,1846	5,73487	-1,464359725	ENST00000602967	729262	NM_001278495	NUTM2B
A_22_P00001596	6,59237	7,14268	-1,464400326	N/A	N/A	AK093901	Inc-ARPC2-1
A_33_P3277943	8,90763	9,45797	-1,464430778	ENST00000504123	246175	NM_001286790	CNOT6L
A_33_P3299872	8,433	8,9834	-1,464491683	ENST00000229633	135114	NM_138571	HINT3
A_24_P294821	4,03405	4,58453	-1,464572894	ENST00000367122	8871	NM_003898	SYNJ2
A_33_P3416772	9,36486	9,91565	-1,464887629	ENST00000379339	54991	NM_017891	C1orf159
A_21_P0012794	5,73102	6,28181	-1,464887629	ENST00000510592	N/A	N/A	N/A
A_33_P3407344	1,96729	2,5181	-1,464907937	ENST00000368488	387119	NM_001042475	CEP85L
A_22_P00020724	1,50792	2,05897	-1,465151652	ENST00000426922	101929218	NR_120652	LINC01517
A_23_P49849	1,77822	2,32934	-1,465222743	ENST00000335960	124925	NM_178860	SEZ6
A_22_P00023035	3,61123	4,16252	-1,465395408	N/A	N/A	CD706782	Inc-IKZF2-4
A_19_P00805452	6,35835	6,90986	-1,465618887	N/A	N/A	N/A	XLOC_l2_010558
A_23_P157793	2,92256	3,47413	-1,465679841	ENST00000617161	768	NM_001216	CA9
A_19_P00320218	6,35159	6,90321	-1,465730639	ENST00000415434	101927289	NR_110220	LINC01237
A_22_P00011765	1,62722	2,17886	-1,465750958	N/A	N/A	AK074162	Inc-PFKL-1



A_22_P00006369	1,74524	2,29699	-1,465862721	ENST00000511385	339975	N/A	LOC339975
A_21_P0007724	2,60176	3,15353	-1,465883042	N/A	283392	NR_026837	TRHDE-AS1
A_23_P343366	4,33434	4,88618	-1,465954169	ENST00000369500	126868	NM_152367	MAB21L3
A_21_P0000146	6,69174	7,24361	-1,465984653	ENST00000505897	5164	NM_001199900	PDK2
A_32_P97862	4,94082	5,49274	-1,466035461	ENST00000334122	374973	NM_001145474	TEX38
A_23_P34628	10,6927	11,2447	-1,466116757	ENST00000370500	2959	NM_001514	GTF2B
A_23_P215479	9,0897	9,64175	-1,46616757	ENST00000361545	7461	NM_003388	CLIP2
A_22_P00008972	1,3734	1,92547	-1,466187895	N/A	N/A	BG199818	Inc-LACTBL1-1
A_23_P386905	9,89909	10,4513	-1,466330182	ENST00000587324	80700	NM_025241	UBXN6
A_21_P0007960	2,67736	3,22965	-1,466411495	N/A	N/A	N/A	Inc-FARP1-1
A_23_P74115	10,2812	10,8335	-1,466421659	ENST00000371975	8438	NM_003579	RAD54L
A_33_P3345886	2,20325	2,75557	-1,466441988	ENST00000493635	221472	AK131079	FGD2
A_21_P0012487	4,39052	4,94291	-1,466513142	N/A	N/A	N/A	XLOC_I2_010511
A_33_P3422258	12,028	12,5804	-1,466523307	ENST00000321777	401466	NM_001293320	C8orf59
A_21_P0005422	2,56933	3,12176	-1,466553803	N/A	N/A	N/A	Inc-SPAM1-1
A_33_P3270034	14,0909	14,6434	-1,466624963	ENST00000581486	8031	NM_001145260	NCOA4
A_21_P0013833	5,3643	5,91683	-1,466655461	N/A	N/A	N/A	XLOC_I2_015827
A_22_P00005752	1,66822	2,22078	-1,466685959	N/A	N/A	N/A	Inc-ENAH-1
A_21_P0012995	9,94601	10,4987	-1,466818127	N/A	N/A	N/A	Inc-TAF9-2
A_22_P00013795	1,44708	1,99978	-1,466828294	ENST00000505702	N/A	N/A	N/A
A_23_P103897	3,60282	4,1556	-1,466909635	ENST00000431031	100505741	XR_246362	SPATA1
A_33_P3233953	11,8774	12,4302	-1,46692997	N/A	N/A	N/A	N/A
A_33_P3232798	8,00478	8,55759	-1,466940138	ENST00000287263	80223	NM_025151	RAB11FIP1
A_21_P0005917	8,1372	8,69003	-1,466960475	N/A	100507316	NR_120682	LOC100507316
A_23_P53363	9,80939	10,3623	-1,467041822	ENST00000549257	91419	NM_033276	XRCC6BP1
A_21_P0011316	3,42095	3,9739	-1,467082498	N/A	N/A	N/A	XLOC_I2_004631
A_23_P313389	11,5069	12,0599	-1,467133344	ENST00000474306	7357	NM_003358	UGCG
A_22_P00011711	1,42086	1,97387	-1,467143514	N/A	196047	NR_002791	EMX2OS
A_22_P00025155	2,99001	3,54304	-1,467163853	ENST00000563397	N/A	N/A	N/A
A_21_P0004996	1,65447	2,2075	-1,467163853	N/A	N/A	N/A	Inc-RPP40-1
A_21_P0009706	1,99987	2,55291	-1,467174022	N/A	N/A	N/A	Inc-ZNF536-2
A_22_P00014828	5,18709	5,7402	-1,467245212	N/A	N/A	N/A	Inc-SLC44A3-2
A_33_P3407409	1,47045	2,02357	-1,467255382	ENST00000252463	84891	NM_001282416	ZSCAN10

A_21_P0009852	5,42817	5,98135	-1,467316405	ENST00000411453	101927541	NR_109943	LINC01273
A_24_P187921	5,58657	6,13983	-1,467397772	ENST00000612218	79694	NM_024641	MANEA
A_21_P0000049	1,51352	2,06683	-1,467448629	ENST00000535983	27185	NM_001164538	DISC1
A_23_P26771	1,96243	2,51574	-1,467448629	ENST00000330793	10871	NM_006678	CD300C
A_19_P00323005	1,69203	2,24538	-1,467489316	ENST00000432743	N/A	N/A	N/A
A_23_P387523	10,1652	10,7186	-1,467540176	ENST00000374651	9923	NM_001083621	ZBTB40
A_22_P00023880	1,33655	1,88998	-1,467570693	N/A	N/A	N/A	Inc-ANKMY2-1
A_33_P3339696	2,59239	3,14606	-1,467814852	N/A	N/A	N/A	N/A
A_21_P0008104	2,06113	2,61496	-1,467977647	N/A	N/A	N/A	Inc-GPC6-1
A_23_P64932	4,12509	4,679	-1,468059051	ENST00000392839	55188	NM_018157	RIC8B
A_22_P00021588	4,45373	5,00765	-1,468069227	N/A	101930532	N/A	LOC101930532
A_23_P89187	12,2815	12,8355	-1,468150636	ENST00000435347	3927	NM_006148	LASP1
A_21_P0000270	7,40566	7,95969	-1,468181166	ENST00000494445	6043	NR_002586	SNORA63
A_23_P317324	9,73652	10,2906	-1,46823205	ENST00000468789	2122	NM_005241	MECOM
A_21_P0006079	5,63739	6,1916	-1,468364357	ENST00000432148	101927015	NR_109769	LINC01506
A_21_P0006519	1,43311	1,98742	-1,46846614	N/A	N/A	N/A	Inc-MAGEA8-2
A_23_P341527	2,37822	2,93257	-1,468506855	ENST00000525273	149095	NM_152494	DCST1
A_33_P3420204	9,63543	10,1898	-1,468527213	ENST00000338797	23373	NM_001098482	CRTC1
A_21_P0012203	1,87391	2,42836	-1,468608647	N/A	N/A	N/A	XLOC_I2_009216
A_23_P74349	9,83143	10,3859	-1,468629007	ENST00000271452	83540	NM_145697	NUF2
A_21_P0014544	5,86282	6,4174	-1,468740988	N/A	100507437	NR_125384	LOC100507437
A_33_P3282305	3,0693	3,62391	-1,46877153	ENST00000381305	105	AK289895	ADARB2
A_33_P3590259	13,1207	13,6754	-1,46886316	ENST00000337225	9547	NM_004887	CXCL14
A_22_P00014833	2,65965	3,21438	-1,468893704	N/A	102724552	NR_125999	LOC102724552
A_22_P00007007	3,07947	3,6343	-1,468995524	N/A	N/A	N/A	Inc-GGPS1-1
A_21_P0005809	3,32526	3,88014	-1,469046436	N/A	N/A	N/A	Inc-INTS9-1
A_33_P3256685	11,0025	11,5574	-1,469066802	ENST00000369466	8458	NM_003594	TTF2
A_22_P00019429	1,64951	2,20442	-1,469076985	N/A	N/A	N/A	Inc-FAM83F-1
A_33_P3424864	1,63071	2,18563	-1,469087168	N/A	N/A	N/A	N/A
A_22_P00000259	3,14751	3,70251	-1,469168633	N/A	101929753	NR_110576	LOC101929753
A_22_P00016483	11,2842	11,8393	-1,469270472	N/A	148413	NR_015434	LOC148413
A_23_P66563	8,89406	9,44933	-1,469443614	ENST00000543872	55181	NM_018149	SMG8
A_33_P3288871	4,35721	4,91249	-1,469453799	N/A	N/A	DC378344	N/A

A_21_P0014406	1,47263	2,02798	-1,469525099	N/A	100506175	NR_111906	LOC100506175
A_24_P191067	13,3366	13,892	-1,46957603	ENST00000361311	22883	NM_001009566	CLSTN1
A_23_P51085	9,56891	10,1244	-1,46966771	ENST00000611144	57405	NM_020675	SPC25
A_22_P00015078	3,27843	3,834	-1,469749208	N/A	N/A	AF400496	Inc-SNURF-3
A_23_P327519	8,52646	9,08209	-1,469810334	ENST00000296632	134429	NM_139164	STARD4
A_23_P4885	8,59122	9,14685	-1,469810334	ENST00000597774	160	NM_014203	AP2A1
A_22_P00006290	9,07745	9,63328	-1,470014107	N/A	100505648	NR_040058	RAD51-AS1
A_21_P0010141	7,4185	7,9744	-1,470085434	ENST00000435697	388815	N/A	MIR99AHG
A_33_P3224858	7,1644	7,72035	-1,470136384	ENST00000390013	5610	NM_001135652	EIF2AK2
A_24_P113144	6,57183	7,12797	-1,470330011	ENST00000321990	79915	NM_024857	ATAD5
A_33_P3241433	8,00376	8,55991	-1,470340203	ENST00000601469	84671	NM_001172674	ZNF347
A_21_P0013982	1,48297	2,03918	-1,470401354	ENST00000611237	N/A	XM_003119160	N/A
A_23_P124927	6,1414	6,69782	-1,470615402	ENST00000503044	10636	NM_006480	RGS14
A_23_P132159	7,59992	8,15638	-1,470656177	ENST00000215794	11274	NM_017414	USP18
A_21_P0002044	4,00199	4,55848	-1,470686759	N/A	N/A	N/A	Inc-SIX2-3
A_23_P13065	10,1211	10,6776	-1,470696953	ENST00000446113	54503	NM_019028	ZDHHC13
A_24_P110291	5,6176	6,17419	-1,470788703	N/A	100129917	NR_036511	LOC100129917
A_33_P3245699	3,5846	4,14129	-1,470890653	N/A	100128374	XR_171620	LOC100128374
A_23_P213754	12,3442	12,9009	-1,470900849	ENST00000265192	51247	NM_001033112	PAIP2
A_21_P0005111	5,38806	5,94479	-1,470931436	ENST00000606723	N/A	N/A	N/A
A_33_P3382648	2,60895	3,1657	-1,470951827	ENST00000382670	378948	NM_001006121	RBMY1B
A_23_P153301	11,8927	12,4495	-1,471002807	ENST00000617332	1048	NM_004363	CEACAM5
A_22_P00020142	2,10284	2,65965	-1,471013004	N/A	N/A	BX537654	Inc-AEBP2-3
A_23_P21376	4,18624	4,7433	-1,471267933	ENST00000354212	9863	NM_012301	MAGI2
A_33_P3812038	10,9497	11,5069	-1,471410713	N/A	340335	AK074459	LOC340335
A_23_P30655	10,4622	11,0194	-1,471410713	ENST00000616555	4794	NM_004556	NFKBIE
A_19_P00318492	5,09177	5,64898	-1,471420912	ENST00000429578	N/A	AK054628	N/A
A_22_P00003332	5,09696	5,65417	-1,471420912	N/A	N/A	N/A	Inc-CAST-2
A_23_P79496	1,55391	2,11114	-1,47144131	ENST00000394754	286749	NM_001198593	STON1-GTF2A1L
A_23_P129717	3,40333	3,96069	-1,471573906	ENST00000300005	112479	NM_080663	ERI2
A_23_P385067	1,47537	2,03283	-1,471675912	ENST00000360731	54102	NM_053277	CLIC6
A_22_P00010644	3,22673	3,78425	-1,471737118	N/A	N/A	N/A	Inc-NEDD1-4
A_32_P145010	3,04667	3,6043	-1,471849337	N/A	729683	NR_046273	LOC729683

A_32_P82189	6,32681	6,88448	-1,471890146	ENST00000307507	84140	NM_032180	FAM161A
A_24_P75190	3,61232	4,16999	-1,471890146	ENST00000429817	3045	NM_000519	HBD
A_22_P00002499	1,8187	2,37653	-1,472053393	N/A	102724118	XR_429782	LOC102724118
A_33_P3713035	2,92813	3,48611	-1,472206453	N/A	221814	AL122087	LOC221814
A_21_P0007288	1,96094	2,51898	-1,472267682	N/A	N/A	N/A	Inc-SORL1-1
A_23_P348749	4,41669	4,97474	-1,472277887	ENST00000285397	221264	NM_145025	AK9
A_23_P340890	9,62103	10,1791	-1,472298297	ENST00000307896	90326	NM_001195753	THAP3
A_33_P3231953	8,14254	8,70069	-1,472379941	ENST00000345356	1303	NM_004370	COL12A1
A_22_P00017472	1,64491	2,2031	-1,472420764	N/A	N/A	N/A	Inc-VSTM2B-1
A_22_P00004423	1,37388	1,93221	-1,472563656	N/A	N/A	N/A	Inc-COQ10B-1
A_23_P111361	3,40999	3,96832	-1,472563656	ENST00000447468	285755	NM_173672	PPIL6
A_22_P00016322	2,5823	3,14079	-1,472726977	N/A	N/A	BX103869	Inc-TMEM135-4
A_24_P329635	9,74338	10,302	-1,472859689	ENST00000440111	7248	NM_000368	TSC1
A_33_P3320832	1,56102	2,11968	-1,472900526	ENST00000376865	129521	NM_001011717	NMS
A_33_P3394494	9,84802	10,4067	-1,472920945	ENST00000356683	23587	NM_203415	ELP5
A_33_P3408852	2,90321	3,46191	-1,472941364	ENST00000538803	2046	NM_001006943	EPHA8
A_33_P3408450	7,51318	8,07195	-1,473012834	ENST00000556585	643382	NM_001146683	TMEM253
A_23_P64770	12,5447	13,1035	-1,473043464	ENST00000308025	9416	NM_004818	DDX23
A_23_P141893	11,0628	11,6216	-1,473043464	ENST00000401705	147699	NM_001080401	PPM1N
A_33_P3337977	4,16055	4,71937	-1,473063885	ENST00000368941	9896	N/A	FIG4
A_23_P365248	3,65482	4,21368	-1,473104728	ENST00000308251	93107	NM_172347	KCNG4
A_33_P3306163	13,9514	14,5104	-1,473247686	ENST00000556322	3958	NM_001177388	LGALS3
A_22_P00007435	1,37859	1,9377	-1,47336002	N/A	N/A	N/A	Inc-GSG2-1
A_22_P00007337	1,9895	2,54874	-1,473492789	N/A	N/A	N/A	Inc-GPRC5A-1
A_22_P00024313	3,06095	3,62024	-1,473543857	N/A	N/A	N/A	Inc-MFSD2A-1
A_24_P194420	4,77249	5,33178	-1,473543857	ENST00000255784	79879	NM_024821	CCDC134
A_33_P3416321	9,0142	9,57351	-1,473564285	ENST00000355773	26503	NM_012434	SLC17A5
A_24_P65507	13,4539	14,0133	-1,473656213	ENST00000584514	201254	NM_144998	STRA13
A_33_P3391865	9,62913	10,1887	-1,473829872	ENST00000392634	64423	NM_001031714	INF2
A_23_P30799	9,50707	10,0667	-1,473891168	ENST00000618052	8968	NM_021018	HIST1H3F
A_21_P0001089	1,61184	2,17163	-1,474054637	ENST00000457440	N/A	N/A	N/A
A_22_P00002636	4,6926	5,25241	-1,474075072	N/A	N/A	N/A	Inc-C1orf177-2
A_33_P3284586	7,26451	7,82437	-1,47412616	ENST00000258200	55336	NM_018378	FBXL8

A_33_P3266730	3,53283	4,09281	-1,47424878	ENST00000263033	94121	NM_080737	SYTL4
A_24_P32118	9,33656	9,89666	-1,474371409	ENST00000347230	23503	NM_015346	ZFYVE26
A_21_P0004147	1,34659	1,90672	-1,474402068	ENST00000513755	728769	N/A	SCAMP1-AS1
A_33_P3417960	1,62558	2,18574	-1,474432728	N/A	645206	N/A	LINC00693
A_23_P421811	3,90777	4,46796	-1,474463388	ENST00000466091	140699	NM_152503	MROH8
A_33_P3232080	1,76472	2,32493	-1,474483829	ENST00000618265	57126	NM_020406	CD177
A_32_P100109	6,89004	7,45061	-1,474851807	ENST00000303843	9185	NM_004726	REPS2
A_24_P7121	2,05628	2,61706	-1,475066504	ENST00000381782	79730	NM_024677	NSUN7
A_33_P3316835	4,7899	5,35104	-1,475434627	ENST00000264370	55345	AK002193	ZGRF1
A_22_P00025871	2,51555	3,07671	-1,475455081	ENST00000447910	768097	NR_003245	HAR1B
A_24_P916718	4,1086	4,6698	-1,47549599	ENST00000302017	168544	NM_207336	ZNF467
A_21_P0008585	1,9263	2,48756	-1,475557356	N/A	N/A	N/A	Inc-MKRN3-3
A_23_P152234	2,89218	3,45349	-1,475608495	ENST00000268595	146225	NM_144673	CMTM2
A_23_P48747	11,8984	12,4599	-1,475802843	ENST00000558340	115817	NM_138452	DHRS1
A_33_P3400424	6,03797	6,59949	-1,475823302	ENST00000618487	284370	NM_001199324	ZNF615
A_33_P3367811	1,49438	2,05617	-1,476099528	N/A	284001	AL137530	CCDC57
A_23_P145514	8,99482	9,55665	-1,476140454	ENST00000367748	53832	NM_014432	IL20RA
A_33_P3316068	3,28144	3,84334	-1,476212079	ENST00000380313	11238	N/A	CA5B
A_33_P3311046	4,9411	5,50302	-1,476232544	ENST00000317965	391196	NM_001004691	OR2M7
A_23_P128956	8,98695	9,54888	-1,476242776	ENST00000556143	53349	NM_021260	ZFYVE1
A_33_P3315423	3,66974	4,23169	-1,476263241	ENST00000291416	55223	NM_018207	TRIM62
A_33_P3224745	11,9624	12,5244	-1,476314406	ENST00000565460	23659	NM_012320	PLA2G15
A_23_P432013	2,89575	3,45788	-1,476447441	ENST00000306176	131368	NM_175056	ZPLD1
A_22_P00025856	4,96039	5,52267	-1,476600958	ENST00000414038	100132735	N/A	LOC100132735
A_22_P00021358	1,3708	1,93326	-1,4767852	ENST00000541797	N/A	DA234517	N/A
A_21_P0012859	1,42582	1,98846	-1,476969465	ENST00000507373	255187	N/A	LOC255187
A_21_P0014272	6,27017	6,83283	-1,47698994	N/A	N/A	XR_109069	N/A
A_33_P3425356	10,1232	10,6859	-1,477030892	ENST00000491704	25852	NM_015396	ARMC8
A_33_P3268304	5,0485	5,61129	-1,477123037	ENST00000612860	55679	NM_001161404	LIMS2
A_22_P00015091	1,89987	2,46268	-1,477143514	ENST00000557171	100128714	NR_040082	LOC100128714
A_33_P3237804	4,44141	5,0043	-1,477225426	N/A	N/A	AL109667	Inc-RP11-351M8.1.1-1
A_33_P3366321	2,16599	2,72896	-1,477307344	N/A	N/A	N/A	N/A
A_23_P86252	9,90461	10,4676	-1,477327823	ENST00000367728	5279	NM_002642	PIGC

A_23_P100127	10,1261	10,6891	-1,477338064	ENST00000527044	57082	NM_170589	CASC5
A_22_P00008481	1,62466	2,18773	-1,477409746	ENST00000564261	N/A	BC042499	N/A
A_32_P113066	1,57046	2,13365	-1,477532639	ENST00000510733	9227	NM_004744	LRAT
A_22_P00011057	2,87975	3,44327	-1,477870646	N/A	N/A	N/A	Inc-NTRK3-2
A_22_P00012820	1,57283	2,13649	-1,478014067	N/A	N/A	N/A	Inc-RARS-1
A_19_P00801945	2,48847	3,05214	-1,478024311	ENST00000439120	441204	N/A	LOC441204
A_33_P3243118	4,48977	5,05352	-1,478106273	ENST00000314259	219432	NM_001004704	OR4C6
A_24_P132099	11,5056	12,0694	-1,478157501	ENST00000275036	9324	NM_138730	HMG3
A_33_P3268555	1,66694	2,23084	-1,478259963	ENST00000544128	11262	NM_001005176	SP140
A_22_P00006740	3,51712	4,08107	-1,478311196	ENST00000530389	N/A	N/A	N/A
A_24_P416257	9,56694	10,1309	-1,478321443	ENST00000309859	23062	NM_015044	GGA2
A_23_P118105	14,2706	14,8346	-1,478362431	ENST00000268668	4716	NM_004548	NDUFB10
A_23_P65789	7,53512	8,09914	-1,478382926	ENST00000456504	55784	NM_018349	MCTP2
A_23_P204998	6,97974	7,54394	-1,47856739	ENST00000595437	10160	NM_005766	FARP1
A_33_P3394809	10,1458	10,71	-1,47856739	ENST00000538721	5833	NM_001282203	PCYT2
A_33_P3360718	7,06317	7,6274	-1,478598136	ENST00000573502	996	NM_001114091	CDC27
A_21_P0003715	5,39062	5,95489	-1,478639132	N/A	N/A	N/A	Inc-CYTL1-1
A_23_P354074	6,80171	7,36604	-1,478700628	ENST00000389794	1130	NM_000081	LYST
A_22_P00012827	1,35773	1,92214	-1,478782627	ENST00000515750	N/A	N/A	N/A
A_21_P0014167	3,86285	4,42743	-1,47895689	ENST00000379433	4739	AY166681	NEDD9
A_24_P917886	4,60127	5,16586	-1,478967141	ENST00000621226	4586	XM_006709947	MUC5AC
A_23_P351320	8,54686	9,11158	-1,479100416	ENST00000606893	51362	NM_015891	CDC40
A_21_P0010997	6,82137	7,38613	-1,479141426	ENST00000532168	283140	XM_006709955	LOC283140
A_33_P3367201	6,12696	6,69174	-1,479161931	ENST00000545712	326625	NM_052845	MMAB
A_22_P00014972	5,69024	6,25507	-1,479213196	N/A	101928156	XR_241404	LOC101928156
A_23_P168240	7,30545	7,8703	-1,479233702	ENST00000466185	8899	NM_003913	PRPF4B
A_24_P246351	15,0785	15,6434	-1,479284969	ENST00000599206	112703	NM_138411	FAM71E1
A_33_P3677298	1,53946	2,10454	-1,479469546	N/A	152286	AL117431	LOC152286
A_33_P3329477	9,37696	9,94225	-1,479684915	ENST00000441655	283345	NR_002803	RPL13P5
A_22_P00012718	1,38205	1,94737	-1,479715684	ENST00000532606	N/A	N/A	N/A
A_33_P3305775	4,64513	5,21046	-1,479725941	N/A	N/A	N/A	Inc-HDHC3-4
A_21_P0014287	1,69731	2,2627	-1,479787482	N/A	100507654	BC034289	LOC100507654
A_22_P00005554	5,51694	6,08234	-1,479797739	N/A	643339	NR_040096	LOC643339

A_33_P3351775	7,43222	7,99762	-1,479797739	ENST00000412562	N/A	N/A	N/A
A_22_P00012024	2,26815	2,8336	-1,479849026	N/A	100506866	NR_038271	TTN-AS1
A_33_P3248644	14,0558	14,6214	-1,480002897	ENST00000494984	5859	NM_005051	QARS
A_23_P12572	10,4884	11,0541	-1,480105487	ENST00000369331	840	NM_033338	CASP7
A_24_P87458	2,02046	2,58617	-1,480115746	ENST00000586838	85302	NM_001080542	FBF1
A_23_P49759	1,78378	2,34964	-1,480269645	ENST00000225842	6346	NM_002981	CCL1
A_33_P3254606	9,861	10,4269	-1,480310687	ENST00000587391	284403	NM_001083961	WDR62
A_22_P00024090	5,6674	6,23335	-1,480361992	N/A	N/A	BC053565	Inc-GBP5-2
A_33_P3212570	7,15624	7,72229	-1,480464606	N/A	100652740	NR_102400	PYCARD-AS1
A_23_P145330	8,80593	9,37201	-1,480495392	ENST00000467553	54535	NM_019052	CCHCR1
A_32_P192594	10,4636	11,0297	-1,480515916	ENST00000620617	N/A	BC014066	N/A
A_33_P3215565	3,09099	3,65718	-1,480608278	N/A	N/A	N/A	N/A
A_33_P3380625	6,25276	6,81899	-1,48064933	ENST00000374676	3339	NM_001291860	HSPG2
A_24_P252846	7,78825	8,35462	-1,48079302	ENST00000334307	119710	NM_138787	C11orf74
A_21_P0004018	2,02816	2,59467	-1,480936724	N/A	N/A	N/A	Inc-AGGF1-1
A_22_P00012107	2,12714	2,69366	-1,480946989	N/A	100506881	NR_125364	MKLN1-AS
A_23_P22129	4,95632	5,52291	-1,481018847	ENST00000310778	9001	NM_177977	HAP1
A_33_P3296281	1,38846	1,95511	-1,481080442	N/A	N/A	AK130265	N/A
A_23_P8900	15,0142	15,5809	-1,481131773	ENST00000522940	1345	NM_004374	COX6C
A_33_P3338152	10,2456	10,8123	-1,481131773	ENST00000475432	64344	XR_243952	HIF3A
A_22_P00014707	1,55602	2,1228	-1,481213907	N/A	N/A	N/A	Inc-SLC25A47-1
A_33_P3416612	1,49925	2,06609	-1,48127551	N/A	284835	NR_024100	LINC00323
A_21_P0013774	1,6167	2,18359	-1,481326848	N/A	N/A	N/A	XLOC_I2_015565
A_21_P0000173	9,54859	10,1155	-1,481347384	ENST00000378953	441108	NR_045116	C5orf56
A_19_P00321743	9,14604	9,71296	-1,481357652	ENST00000586949	100130938	XR_110148	LOC100130938
A_23_P356965	6,68597	7,25293	-1,481398724	ENST00000327026	284001	AK125941	CCDC57
A_32_P505133	5,19475	5,76175	-1,481439798	ENST00000584868	126526	NM_001256440	C19orf47
A_33_P3303394	13,9334	14,5004	-1,481439798	N/A	N/A	N/A	N/A
A_33_P3239860	6,69278	7,25982	-1,481480873	ENST00000395720	348094	BC101273	ANKDD1A
A_21_P0006861	1,42506	1,99217	-1,481552756	N/A	N/A	N/A	Inc-FXYD4-1
A_22_P00008019	5,377	5,94414	-1,481583565	N/A	101929089	NR_120574	LOC101929089
A_23_P419156	3,00486	3,57212	-1,481706805	ENST00000249389	611	NM_001708	OPN1SW
A_24_P142305	2,38224	2,94968	-1,481891683	ENST00000251595	3040	NM_000517	HBA2

A_24_P398950	11,0648	11,6323	-1,481953315	ENST00000394275	55898	NM_001039675	UNC45A
A_23_P157299	1,51719	2,08469	-1,481953315	ENST00000413907	165	NM_001129	AEBP1
A_21_P0000187	1,67481	2,24231	-1,481953315	N/A	100287036	NM_001242885	LOC100287036
A_21_P0010328	7,41909	7,9866	-1,481963587	ENST00000444039	101928891	NR_110537	LOC101928891
A_21_P0001776	2,98409	3,55162	-1,481984132	N/A	101928113	NR_110569	ST3GAL5-AS1
A_23_P203137	11,5185	12,0862	-1,482158772	ENST00000431736	9354	NM_004788	UBE4A
A_23_P59069	12,2782	12,8459	-1,482158772	N/A	8348	NM_003527	HIST1H2BO
A_24_P334300	4,63269	5,20064	-1,482415632	ENST00000454309	2257	NM_004113	FGF12
A_33_P7883685	8,57366	9,14171	-1,482518389	ENST00000537369	9383	NR_003255	TSIX
A_21_P0009067	3,57722	4,14529	-1,482538941	ENST00000568389	102467146	NR_104663	LOC102467146
A_23_P101281	10,0203	10,5884	-1,48256977	ENST00000339656	84914	NM_032828	ZNF587
A_24_P333106	14,886	15,4541	-1,48256977	ENST00000479812	N/A	N/A	N/A
A_21_P0005234	1,4035	1,97168	-1,482651984	ENST00000426205	102723605	NR_120515	LINC01445
A_23_P18447	2,0079	2,57615	-1,482723924	ENST00000264867	10891	NM_013261	PPARGC1A
A_23_P316850	9,57974	10,148	-1,482734202	ENST00000315489	284451	NM_182577	ODF3L2
A_22_P00018438	1,58715	2,15542	-1,482744479	ENST00000519652	N/A	DA189000	N/A
A_21_P0009189	4,36606	4,93437	-1,48278559	N/A	N/A	N/A	Inc-MYO19-1
A_33_P3257030	11,1983	11,7667	-1,482878094	ENST00000393928	10609	NM_006455	P3H4
A_21_P0009790	3,294	3,86243	-1,48290893	N/A	N/A	N/A	Inc-BCL3-1
A_22_P00021447	3,41889	3,98735	-1,482939766	N/A	N/A	N/A	Inc-NPB-1
A_22_P00006523	2,6811	3,24961	-1,482991162	ENST00000503095	N/A	N/A	N/A
A_32_P220750	6,18546	6,75405	-1,483073399	N/A	5343	NM_001032392	PLGLB1
A_21_P0008569	2,49366	3,06239	-1,483217324	N/A	N/A	N/A	Inc-DUT-1
A_33_P3398597	7,22085	7,78969	-1,483330418	ENST00000589694	54869	NM_133180	EPS8L1
A_23_P70213	2,57918	3,14803	-1,4833407	ENST00000508376	324	NM_000038	APC
A_21_P0006886	3,07034	3,63923	-1,483381827	ENST00000439559	102723652	XR_428774	LOC102723652
A_24_P369656	1,73211	2,30125	-1,4836389	ENST00000360392	114088	NM_052978	TRIM9
A_22_P00018233	1,36558	1,93474	-1,483659468	ENST00000425228	N/A	N/A	N/A
A_33_P3352677	4,22212	4,79138	-1,483762311	ENST00000406912	N/A	BG222044	N/A
A_22_P00018245	1,35513	1,92441	-1,48378288	ENST00000523121	N/A	XR_108870	N/A
A_22_P00014089	1,45603	2,02539	-1,483865161	ENST00000585482	23098	AK026824	SARM1
A_33_P3299982	13,2435	13,8129	-1,483906303	ENST00000594264	7392	NM_003367	USF2
A_33_P3324687	5,07741	5,64697	-1,484070883	ENST00000566382	N/A	N/A	N/A



A_24_P370970	6,8088	7,37839	-1,484101743	ENST00000487995	25936	NM_015471	NSL1
A_22_P00004415	4,13981	4,70941	-1,48411203	ENST00000584952	N/A	BC005072	N/A
A_23_P47857	11,8494	12,4191	-1,484214905	ENST00000343028	51768	NM_016551	TM7SF3
A_21_P0007848	1,67308	2,24285	-1,484286921	ENST00000547418	101929058	NR_126333	LOC101929058
A_23_P255523	8,57939	9,14918	-1,484307498	ENST00000490528	54784	NM_017621	ALKBH4
A_24_P367432	1,40627	1,97606	-1,484307498	ENST00000390633	N/A	KJ880584	N/A
A_23_P310	10,1001	10,6699	-1,484317786	ENST00000329421	65108	NM_023009	MARCKSL1
A_21_P0012249	6,82163	7,39164	-1,484533861	ENST00000438948	N/A	N/A	N/A
A_23_P115573	10,9696	11,5397	-1,484626474	ENST00000362011	149345	NM_198149	SHISA4
A_24_P169048	1,57206	2,14218	-1,484647055	ENST00000621921	10737	NR_001450	RFPL3S
A_23_P88643	3,47927	4,04955	-1,484811717	ENST00000328795	283694	NM_001005241	OR4N4
A_22_P00022557	4,75588	5,32629	-1,484945518	N/A	N/A	N/A	Inc-FITM2-1
A_23_P336506	3,57864	4,14915	-1,48504845	ENST00000240691	50835	NM_023917	TAS2R9
A_22_P00001285	11,2295	11,8002	-1,485244041	N/A	N/A	N/A	Inc-ANKS1A-1
A_21_P0002398	6,20261	6,77331	-1,485244041	N/A	N/A	N/A	Inc-KIDINS220-6
A_22_P00008855	1,77371	2,34446	-1,485295516	N/A	N/A	N/A	Inc-KLHDC10-2
A_19_P00321692	3,85865	4,42945	-1,485346994	ENST00000447453	644838	N/A	LOC644838
A_22_P00024064	3,57167	4,14249	-1,485367585	N/A	101409261	NR_102430	OGFR-AS1
A_23_P424002	9,69976	10,2706	-1,485388177	ENST00000429375	5451	NM_002697	POU2F1
A_21_P0011913	1,98437	2,55522	-1,485398473	ENST00000441997	101927043	N/A	LOC101927043
A_21_P0006303	1,34566	1,91669	-1,485583812	N/A	N/A	N/A	Inc-ERP44-3
A_33_P3568504	1,5173	2,08835	-1,485604407	ENST00000409702	151242	NM_001261424	PPP1R1C
A_22_P00016011	1,45191	2,02299	-1,485635299	N/A	N/A	N/A	Inc-TFDP2-1
A_21_P0003567	1,61309	2,18433	-1,485800071	N/A	N/A	N/A	Inc-HTRA3-1
A_33_P3308219	4,05806	4,62935	-1,485851566	N/A	N/A	N/A	N/A
A_23_P126528	1,55834	2,12966	-1,485882463	ENST00000369771	3744	NM_005549	KCNA10
A_23_P155786	1,65711	2,22851	-1,48596486	ENST00000506796	6783	NM_005420	SULT1E1
A_21_P0010617	8,31452	8,88593	-1,48597516	ENST00000437410	N/A	N/A	N/A
A_21_P0012873	2,30965	2,88124	-1,486160572	ENST00000511819	100507387	NR_038402	LOC100507387
A_24_P117672	8,68662	9,25821	-1,486160572	ENST00000622360	58506	NM_021228	SCAF1
A_23_P346969	7,58348	8,15507	-1,486160572	ENST00000481749	5291	NM_006219	PIK3CB
A_23_P316974	10,5408	11,1124	-1,486170873	ENST00000355585	8871	NM_003898	SYNJ2
A_23_P89973	2,07523	2,64696	-1,486304797	ENST00000309383	84446	NM_032430	BRSK1

A_21_P0007424	2,11083	2,68258	-1,486325402	N/A	N/A	N/A	Inc-SPATA19-1
A_33_P3299811	5,88868	6,46044	-1,486335704	ENST00000424044	642946	NR_027286	FLVCR1-AS1
A_32_P209624	6,70555	7,27734	-1,486366612	N/A	7686	NR_026640	MKRN7P
A_22_P00008314	1,41327	1,98506	-1,486366612	ENST00000432537	199899	NR_038252	LINC00466
A_21_P0006005	6,44002	7,01182	-1,486376915	ENST00000431981	N/A	XM_006716895	N/A
A_24_P250335	12,4401	13,0119	-1,486376915	ENST00000596860	6626	NM_004596	SNRPA
A_22_P00014804	2,87518	3,44722	-1,486624202	ENST00000583460	N/A	N/A	N/A
A_33_P3302210	6,04549	6,61758	-1,486675725	N/A	100129129	N/A	LOC100129129
A_23_P46852	11,0523	11,6244	-1,48668603	ENST00000472951	79991	NM_024928	OBFC1
A_33_P3409620	4,57765	5,1498	-1,486737556	N/A	100131860	AK097109	LOC100131860
A_24_P297098	10,143	10,7152	-1,486789083	ENST00000374012	51230	NM_016436	PHF20
A_21_P0003231	3,42699	3,99926	-1,486861224	N/A	N/A	N/A	Inc-GLYCTK-1
A_33_P3293913	4,17612	4,74843	-1,486902449	ENST00000373886	80114	NM_001080512	BICC1
A_23_P17844	3,7596	4,33202	-1,487015824	ENST00000404171	5816	NM_002854	PVALB
A_33_P3235370	6,17634	6,74876	-1,487015824	ENST00000533543	58500	NM_021061	ZNF250
A_33_P3722568	6,60971	7,18217	-1,487057054	N/A	283981	NR_027232	LINC00685
A_33_P3397716	4,92372	5,49623	-1,487108592	N/A	N/A	AK097240	Inc-GGCT-1
A_24_P169148	14,7286	15,3012	-1,487201365	ENST00000522557	3146	NM_002128	HMGB1
A_22_P00012464	6,42371	6,99632	-1,487211674	N/A	N/A	BC041763	Inc-PRR15L-2
A_22_P00023496	2,8683	3,44098	-1,487283836	N/A	101409257	NR_102425	EZR-AS1
A_21_P0000839	4,11312	4,68604	-1,487531274	N/A	254100	NR_038923	SSSCA1-AS1
A_24_P292470	10,6092	11,1824	-1,487820004	ENST00000426995	7352	NM_022803	UCP3
A_33_P3292874	2,35465	2,92788	-1,487850942	ENST00000595897	N/A	AK090448	N/A
A_23_P82334	9,68622	10,2595	-1,487902508	ENST00000416240	10165	NM_014251	SLC25A13
A_21_P0005172	5,42938	6,00267	-1,487912822	N/A	79940	NR_121612	LINC00472
A_23_P31116	11,4739	12,0472	-1,487923135	ENST00000476436	55856	NM_018473	ACOT13
A_33_P3273623	1,39812	1,97146	-1,48796439	ENST00000378792	6366	NM_002989	CCL21
A_33_P3432135	3,00923	3,58264	-1,488036588	N/A	285965	NR_033897	EPHA1-AS1
A_21_P0011095	1,66032	2,23376	-1,488067531	N/A	N/A	N/A	XLOC_I2_003391
A_22_P00014188	2,24114	2,81466	-1,488150049	ENST00000581911	N/A	N/A	N/A
A_19_P00317444	6,9855	7,55913	-1,48826352	ENST00000377722	389602	NM_001291913	LOC389602
A_32_P204795	1,46936	2,04299	-1,48826352	ENST00000592146	100128252	NR_036522	ZNF667-AS1
A_33_P3268618	9,05748	9,63117	-1,488325416	ENST00000399820	57728	NM_025132	WDR19

A_21_P0012944	7,69005	8,26374	-1,488325416	N/A	11039	N/A	SMA4
A_21_P0010213	1,74991	2,32366	-1,488387315	ENST00000623549	114038	N/A	LINC00313
A_21_P0010922	2,5398	3,11359	-1,488428582	ENST00000449695	650623	NR_027512	BEND3P3
A_24_P341116	1,66391	2,23772	-1,488449217	ENST00000469935	388007	NR_015340	SERPINA13P
A_21_P0000420	1,49717	2,07117	-1,488645255	N/A	767603	NR_003216	SNORD114-23
A_19_P00317159	3,37868	3,95272	-1,48868653	ENST00000499046	100506639	N/A	LOC100506639
A_33_P3401452	5,80274	6,37682	-1,488727805	ENST00000309279	84181	NM_032221	CHD6
A_24_P208909	8,22809	8,80234	-1,48890324	ENST00000338700	23321	NM_015271	TRIM2
A_22_P00015430	1,44732	2,02157	-1,48890324	N/A	N/A	N/A	Inc-SSH2-1
A_33_P3411296	10,2242	10,7985	-1,488954842	ENST00000331327	5813	NM_005859	PURA
A_21_P0005831	1,65686	2,23117	-1,488965163	N/A	N/A	N/A	Inc-OPRK1-1
A_22_P00005165	2,77787	3,35224	-1,489027089	N/A	N/A	N/A	Inc-DIO2-2
A_23_P13740	1,71562	2,29002	-1,489058052	ENST00000397909	89795	NM_014903	NAV3
A_22_P00022788	3,26106	3,83548	-1,489078695	N/A	N/A	N/A	Inc-MAP3K2-1
A_23_P83200	8,94358	9,51811	-1,489192236	ENST00000467161	158067	NM_152572	AK8
A_23_P14804	14,0083	14,583	-1,489367726	ENST00000560715	10099	NM_005724	TSPAN3
A_33_P3356607	11,7286	12,3033	-1,489367726	ENST00000401525	26100	NM_001033518	WIPI2
A_24_P363087	9,66917	10,2439	-1,489398696	ENST00000610475	51149	NM_016175	C5orf45
A_21_P0007282	1,57258	2,14747	-1,489563885	N/A	N/A	N/A	Inc-CTD-2523D13.1.1-3
A_22_P00002018	2,01937	2,59428	-1,489584535	ENST00000557546	N/A	BX111562	N/A
A_33_P3234447	1,56797	2,14292	-1,489625836	N/A	N/A	N/A	N/A
A_33_P3370890	1,51759	2,09255	-1,489636161	ENST00000368656	619208	BC044912	FAM229B
A_24_P366415	13,9912	14,5664	-1,489883991	ENST00000440938	N/A	N/A	N/A
A_33_P3342285	12,9367	13,5119	-1,489883991	ENST00000356415	5906	NM_001010935	RAP1A
A_33_P3283044	5,33147	5,90669	-1,489904645	ENST00000400050	23255	NM_015210	MTCL1
A_33_P3344504	1,40611	1,98137	-1,489945954	ENST00000382938	321	AK124794	APBA2
A_21_P0008509	3,08587	3,66115	-1,48996661	ENST00000533625	319089	N/A	TTC6
A_21_P0011409	6,53813	7,11342	-1,489976937	N/A	N/A	N/A	XLOC_I2_004898
A_21_P0002349	5,19616	5,77161	-1,49014219	N/A	N/A	N/A	Inc-SMARCAL1-2
A_21_P0001964	2,70752	3,28298	-1,490152519	ENST00000414756	N/A	N/A	N/A
A_33_P3327270	9,16373	9,73919	-1,490152519	ENST00000427199	100302736	NM_001164469	TMED7-TICAM2
A_21_P0005147	4,68427	5,25977	-1,490193835	N/A	N/A	N/A	Inc-FAM120B-3
A_24_P865226	1,47467	2,05024	-1,490266142	N/A	440356	NR_015396	CDIPT-AS1

A_21_P0008862	3,87899	4,45458	-1,490286801	ENST00000559267	101929560	XR_424652	LOC101929560
A_33_P3289034	4,13258	4,70821	-1,490328122	ENST00000528248	9033	NM_001253837	PKD2L1
A_21_P0000862	2,00354	2,57918	-1,490338452	ENST00000434974	100132987	NR_038985	LINC00856
A_24_P566701	10,2628	10,8385	-1,490400435	ENST00000438081	6500	NM_170679	SKP1
A_23_P365719	13,7792	14,3549	-1,490400435	ENST00000551943	6892	NM_003190	TAPBP
A_23_P134176	12,3843	12,9601	-1,490503745	ENST00000541573	6648	NM_001024465	SOD2
A_23_P163143	11,5299	12,1057	-1,490503745	ENST00000357971	97	NM_001302617	ACYP1
A_23_P65386	4,02774	4,60361	-1,490576066	ENST00000203664	78990	NM_023112	OTUB2
A_22_P00014777	6,53868	7,11474	-1,490772385	N/A	N/A	AK130780	Inc-SLC38A6-1
A_24_P497464	4,30729	4,8834	-1,490824052	ENST00000434703	400618	NR_103738	SOX9-AS1
A_32_P934840	2,65109	3,22727	-1,490896389	ENST00000518698	116328	NM_052958	C8orf34
A_24_P344516	6,68008	7,2563	-1,490937726	ENST00000270443	79986	N/A	ZNF702P
A_33_P3348625	1,51033	2,08655	-1,490937726	N/A	N/A	N/A	N/A
A_21_P0001481	5,4063	5,98256	-1,490979064	N/A	N/A	N/A	Inc-C1orf201-3
A_33_P3266315	10,7663	11,3426	-1,491020404	ENST00000616170	51100	NM_001206651	SH3GLB1
A_22_P00016395	5,68327	6,25957	-1,491020404	N/A	N/A	N/A	Inc-TMEM189-UBE2V1-1
A_23_P201605	5,57832	6,15465	-1,491051409	ENST00000235453	163486	NM_144977	DENND1B
A_22_P00024049	4,01986	4,59622	-1,491082415	ENST00000612592	N/A	N/A	N/A
A_33_P3394710	6,95049	7,52685	-1,491082415	ENST00000369557	10559	NM_001168398	SLC35A1
A_23_P212447	8,68246	9,25883	-1,49109275	ENST00000348417	55764	NM_018262	IFT122
A_21_P0000131	12,2539	12,8303	-1,491123757	ENST00000472283	23261	NM_001195563	CAMTA1
A_33_P3316118	2,75557	3,33197	-1,491123757	ENST00000521743	9892	NM_001256717	SNAP91
A_22_P00017312	5,87041	6,44695	-1,491268463	N/A	N/A	N/A	Inc-USP28-1
A_23_P138910	1,52067	2,09733	-1,491392509	ENST00000525943	29118	NM_013264	DDX25
A_32_P175301	10,3116	10,8884	-1,491537241	ENST00000262585	22898	NM_014957	DENND3
A_23_P136817	10,5326	11,1094	-1,491537241	ENST00000333479	9735	NM_014708	KNTC1
A_23_P159390	10,3704	10,9472	-1,491537241	ENST00000260810	11073	NM_007027	TOPBP1
A_21_P0013923	12,746	13,3228	-1,491537241	ENST00000426289	N/A	N/A	N/A
A_33_P3345673	1,5223	2,09913	-1,491568257	N/A	285103	BC036597	MED15P9
A_22_P00001719	1,76834	2,34539	-1,491795727	ENST00000450811	N/A	N/A	N/A
A_22_P00010170	6,23638	6,81368	-1,492054258	N/A	N/A	N/A	Inc-MRPS22-1
A_23_P99360	8,61968	9,19704	-1,492116312	ENST00000378182	10206	NM_213590	TRIM13
A_21_P0006440	2,95971	3,53711	-1,492157683	ENST00000438499	N/A	N/A	N/A

A_22_P00016482	7,65463	8,23208	-1,492209398	N/A	148413	NR_015434	LOC148413
A_21_P0002077	1,71853	2,29604	-1,492271459	ENST00000443030	N/A	N/A	N/A
A_24_P292929	4,34694	4,92449	-1,492312834	ENST00000158166	84254	NM_172207	CAMKK1
A_24_P253818	5,43248	6,01011	-1,492395588	ENST00000593158	2319	NM_004475	FLOT2
A_23_P97990	14,4989	15,0766	-1,492468001	ENST00000420892	5654	NM_002775	HTRA1
A_33_P3290124	8,42563	9,00335	-1,492488691	ENST00000420175	136371	NM_001142459	ASB10
A_23_P79069	3,18847	3,76621	-1,492509382	ENST00000602101	64926	NM_022904	RASAL3
A_33_P3252794	10,3091	10,8869	-1,492571455	ENST00000340042	2738	NM_138465	GLI4
A_21_P0003754	1,42781	2,00563	-1,492592146	N/A	N/A	N/A	Inc-LEF1-1
A_33_P3384322	7,21389	7,79178	-1,492664569	ENST00000381920	79091	BX537921	METTLL22
A_23_P368259	5,43023	6,00818	-1,492726648	ENST00000326282	126272	BC009725	EID2B
A_24_P307580	6,72509	7,30308	-1,492768036	ENST00000532505	10553	NM_001098523	HTATIP2
A_23_P335452	7,27819	7,85625	-1,492840467	ENST00000372336	219654	NM_153367	ZCCHC24
A_23_P373584	1,86221	2,44037	-1,492943947	ENST00000613692	137868	NM_139167	SGCZ
A_33_P3346498	6,90209	7,48039	-1,49308883	ENST00000392437	4976	NM_130831	OPA1
A_21_P0004052	1,506	2,08431	-1,493099179	ENST00000513366	N/A	N/A	N/A
A_24_P114032	5,43136	6,00982	-1,493254428	ENST00000498667	1944	NM_004952	EFNA3
A_21_P0007329	9,20946	9,78794	-1,493275129	N/A	N/A	N/A	Inc-CCDC34-1
A_22_P00023415	1,78817	2,36667	-1,493295831	N/A	N/A	BQ067871	Inc-C17orf80-4
A_23_P207319	9,20059	9,7791	-1,493306181	ENST00000592267	9020	NM_003954	MAP3K14
A_24_P33982	7,854	8,43261	-1,493409693	ENST00000612535	284021	NM_001291317	MILR1
A_33_P3329444	6,56707	7,14574	-1,493471803	ENST00000594582	284358	NM_182574	MAMSTR
A_33_P3225552	2,00535	2,58407	-1,493523564	ENST00000625176	N/A	AF132198	N/A
A_33_P3704280	5,2318	5,8106	-1,493606385	N/A	386627	AK095428	SAP30L-AS1
A_22_P00000975	1,73574	2,31472	-1,493792749	N/A	N/A	N/A	Inc-AL117340.1-1
A_23_P30126	14,6751	15,2541	-1,493813457	ENST00000382333	9982	NM_005130	FGFBP1
A_33_P3353941	3,54175	4,12091	-1,493979136	ENST00000543390	5293	NM_005026	PIK3CD
A_23_P59410	1,39593	1,97526	-1,494155189	ENST00000354419	3834	NM_030615	KIF25
A_21_P0003091	10,1926	10,772	-1,494227688	N/A	N/A	N/A	Inc-AC069257.9.1-5
A_22_P00003111	3,14887	3,72841	-1,494372695	N/A	N/A	N/A	Inc-C9orf103-2
A_23_P155711	5,86626	6,44581	-1,494383054	ENST00000264596	55247	NM_018248	NEIL3
A_21_P0014016	2,97397	3,55357	-1,494434846	N/A	N/A	BF447189	N/A
A_24_P218006	8,10571	8,68539	-1,494517717	ENST00000395176	84277	NM_032317	DNAJC30

A_21_P0014882	3,36856	3,94836	-1,494642033	N/A	N/A	N/A	N/A
A_33_P3326312	8,96126	9,54116	-1,494745637	N/A	N/A	N/A	N/A
A_33_P3394965	1,47693	2,05686	-1,49477672	N/A	N/A	N/A	N/A
A_23_P381017	9,52436	10,1043	-1,494787081	ENST00000297873	155368	NM_152559	WBSCR27
A_32_P25357	5,38382	5,9638	-1,494828526	ENST00000289746	1013	NM_004933	CDH15
A_23_P339309	6,26924	6,84935	-1,49496323	ENST00000553404	91750	NM_001024674	LIN52
A_23_P396299	3,42181	4,00199	-1,495035767	N/A	100129827	NR_034094	MRVI1-AS1
A_21_P0001052	2,3475	2,92772	-1,495077219	ENST00000417084	N/A	N/A	N/A
A_23_P388780	8,92079	9,50108	-1,495149762	ENST00000440641	55929	NM_019100	DMAP1
A_19_P00321715	3,04887	3,62929	-1,495284495	ENST00000527474	399959	NR_024430	MIR100HG
A_24_P214858	3,67863	4,25908	-1,495315589	ENST00000483722	79865	NM_024807	TREML2
A_33_P3324680	1,42762	2,00807	-1,495315589	N/A	N/A	N/A	N/A
A_21_P0006526	2,75079	3,33127	-1,495346684	N/A	N/A	N/A	Inc-ARHGAP6-1
A_33_P3268522	2,57987	3,16036	-1,495357049	ENST00000610177	644794	XR_108826	LOC644794
A_23_P101297	10,8018	11,3823	-1,495367414	ENST00000586405	24139	NM_012155	EML2
A_23_P309361	11,4338	12,0144	-1,495471068	ENST00000370032	113802	NM_144584	HENMT1
A_23_P18317	12,661	13,2417	-1,49557473	ENST00000315891	54946	NM_017836	SLC41A3
A_23_P253921	3,11379	3,69453	-1,495616197	ENST00000273320	55888	NM_018651	ZKSCAN7
A_22_P00022144	2,6365	3,21726	-1,495636931	ENST00000452618	N/A	N/A	N/A
A_24_P177568	3,03387	3,61464	-1,495647298	ENST00000311048	170959	NM_133473	ZNF431
A_33_P3297255	9,95548	10,5363	-1,495699134	ENST00000503782	83463	NM_031300	MXD3
A_22_P00001942	3,26132	3,84233	-1,495896127	ENST00000511821	N/A	BX391450	N/A
A_23_P62679	1,46294	2,04396	-1,495906496	N/A	N/A	AF217973	N/A
A_21_P0007047	1,50785	2,08895	-1,495989449	N/A	N/A	N/A	Inc-PLXDC2-1
A_33_P3240602	1,51746	2,09858	-1,496010188	N/A	147920	AK125754	IGFL2
A_33_P3420048	2,07086	2,65199	-1,496020557	ENST00000314499	80034	NM_001172173	CSRNP3
A_33_P3396578	2,38294	2,96407	-1,496020557	N/A	2869	BC018116	GRK5
A_23_P97296	12,3939	12,9752	-1,496196851	ENST00000496239	55707	NM_018090	NECAP2
A_24_P475814	10,4651	11,0464	-1,496196851	ENST00000263275	80207	NM_025136	OPA3
A_33_P3340869	4,37372	4,95509	-1,496269449	ENST00000597830	643719	NR_027620	SCGB1B2P
A_24_P323084	7,26764	7,84922	-1,496487263	N/A	284185	NR_038080	LINC00482
A_21_P0014229	2,2031	2,78468	-1,496487263	N/A	N/A	XR_108947	Inc-FAM125B-3
A_23_P81408	11,3001	11,8818	-1,496611743	ENST00000523606	27430	NM_182796	MAT2B

A_33_P3367924	3,20694	3,7887	-1,496673986	ENST00000411789	390748	NM_001294328	PABPN1L
A_19_P00318154	2,18003	2,76191	-1,496798481	N/A	100293612	XR_110033	LOC100293612
A_23_P376627	12,2905	12,8725	-1,496922987	ENST00000610344	728294	NM_152783	D2HGDH
A_33_P3342780	2,27528	2,85744	-1,49708901	ENST00000371911	11093	NM_139026	ADAMTS13
A_19_P00808883	5,90765	6,48982	-1,497099387	N/A	N/A	N/A	Q7Z2X8
A_23_P433586	5,35264	5,93495	-1,497244674	ENST00000276198	3358	BC028688	HTR2C
A_24_P661641	7,88536	8,46772	-1,497296565	ENST00000609803	400027	NR_028408	LINC00938
A_22_P00009974	2,70026	3,28262	-1,497296565	N/A	100131208	NR_040710	SNAP25-AS1
A_21_P0003796	1,57395	2,15642	-1,497410733	N/A	N/A	N/A	Inc-HMGB2-4
A_24_P150466	3,76638	4,34891	-1,497473009	ENST00000381280	64093	NM_001034852	SMOC1
A_24_P332739	11,7316	12,3143	-1,497649475	ENST00000508439	728411	NR_027028	GUSBP1
A_23_P50907	11,7275	12,3104	-1,497857107	ENST00000374907	3685	NM_002210	ITGAV
A_23_P125809	1,37896	1,96188	-1,497877872	ENST00000310164	170261	NM_173798	ZCCHC12
A_22_P00009163	6,28121	6,8642	-1,497950551	N/A	102723465	XR_425055	LOC102723465
A_21_P0003839	2,49096	3,07396	-1,497960934	N/A	N/A	N/A	Inc-METAP1-1
A_21_P0009481	9,96486	10,5479	-1,498002467	ENST00000262094	5874	NM_004163	RAB27B
A_33_P3236403	12,9883	13,5714	-1,498064769	ENST00000221455	11129	NM_007056	CLASRP
A_21_P0003785	1,66543	2,24855	-1,498085536	N/A	N/A	N/A	Inc-SH3D19-1
A_33_P3279109	8,44819	9,0315	-1,498282844	ENST00000612186	7627	BC039601	ZNF75A
A_24_P83586	7,35882	7,94224	-1,498397087	ENST00000616135	25974	NM_015506	MMACHC
A_32_P235796	6,32294	6,90642	-1,498459405	ENST00000542236	166379	NM_152618	BBS12
A_21_P0008795	1,95947	2,54304	-1,498552887	ENST00000559363	101927310	NR_110756	LOC101927310
A_24_P902052	10,7215	11,3053	-1,498791811	ENST00000411630	57291	NR_024031	DANCR
A_23_P109636	9,57287	10,1569	-1,499030773	ENST00000496559	26018	NM_015541	LRIG1
A_22_P00006155	1,46475	2,0488	-1,499051554	N/A	N/A	BX098229	Inc-FAM196A-2
A_21_P0004642	2,33363	2,91781	-1,499186638	ENST00000415276	253018	NR_026791	HCG27
A_21_P0003566	1,98792	2,57213	-1,499217813	N/A	N/A	N/A	Inc-KIAA0232-1
A_33_P3378697	7,27314	7,85741	-1,499280165	N/A	N/A	XR_171111	N/A
A_23_P379614	10,7589	11,3432	-1,499311342	ENST00000220514	11339	NM_007280	OIP5
A_23_P115407	7,88724	8,47156	-1,499332127	ENST00000490021	2944	NM_146421	GSTM1
A_32_P140489	1,60847	2,1928	-1,49934252	ENST00000287020	392255	NM_001001557	GDF6
A_22_P00007924	3,58849	4,17295	-1,499477631	N/A	100507064	NR_038287	TEX26-AS1
A_24_P23445	7,94595	8,53046	-1,499529599	ENST00000602478	267010	NR_029422	RNU12

A_33_P3358228	6,62398	7,20853	-1,499571176	ENST00000298715	340706	AK122716	VWA2
A_24_P73943	6,28916	6,87374	-1,499602359	ENST00000299335	1353	NM_004375	COX11
A_22_P00015803	4,52583	5,11058	-1,499779075	N/A	N/A	N/A	Inc-TAS2R42-1
A_21_P0011609	3,91283	4,49758	-1,499779075	N/A	100130520	XM_005275830	LOC100130520
A_22_P00014625	6,29292	6,87771	-1,499820658	ENST00000566986	N/A	AK129602	N/A
A_32_P88120	2,91937	3,50418	-1,49984145	ENST00000339468	29799	NM_013313	YPEL1
A_23_P375	11,9083	12,4932	-1,499935018	ENST00000327331	55143	NM_018101	CDCA8
A_22_P00015326	4,09569	4,68063	-1,499976606	ENST00000619889	N/A	AK091906	N/A
A_33_P3377459	3,17115	3,75613	-1,500018194	ENST00000562717	64282	NM_001040284	PAPD5
A_23_P371039	2,52771	3,11279	-1,500122171	ENST00000370501	4923	NM_002531	NTSR1
A_21_P0008796	4,64039	5,2255	-1,500153366	N/A	N/A	N/A	Inc-RP11-82I10.1.1-2
A_21_P0003821	3,49736	4,08253	-1,500215757	N/A	N/A	N/A	Inc-FRG2-5
A_32_P187704	1,77504	2,36026	-1,500267751	ENST00000521574	54212	XM_006716494	SNTG1
A_21_P0002965	1,50327	2,08865	-1,500434145	N/A	N/A	N/A	Inc-SYNPR-1
A_23_P132526	9,19038	9,77577	-1,500444546	ENST00000511760	30849	NM_014602	PIK3R4
A_23_P210482	13,9666	14,552	-1,500454946	ENST00000464097	100	NM_000022	ADA
A_23_P337642	1,73031	2,31572	-1,500465346	ENST00000496610	492	NM_021949	ATP2B3
A_33_P3260175	4,06202	4,64745	-1,500486147	ENST00000415386	N/A	BC036435	N/A
A_22_P00000978	1,79218	2,37762	-1,500496548	ENST00000447478	N/A	N/A	N/A
A_23_P45011	9,40068	9,98619	-1,500569354	ENST00000361131	81706	NM_030949	PPP1R14C
A_33_P3283460	2,75857	3,34437	-1,500871018	ENST00000371012	57708	NM_001278215	MIER1
A_23_P146512	10,1679	10,7537	-1,500871018	ENST00000388711	51280	NM_016548	GOLM1
A_23_P127948	11,7137	12,2995	-1,500871018	ENST00000528655	133	NM_001124	ADM
A_33_P3413759	4,24465	4,83049	-1,500912632	ENST00000340967	340485	NM_001010887	ACER2
A_21_P0009351	1,77288	2,35882	-1,501016671	N/A	N/A	N/A	Inc-ABCA8-1
A_33_P3235880	1,55244	2,13839	-1,501027075	ENST00000405044	254272	NM_001039397	TBC1D28
A_23_P164253	2,23301	2,81937	-1,501453713	ENST00000583761	23614	NR_002181	PPY2
A_21_P0001350	2,04958	2,63615	-1,501672282	ENST00000451675	102723661	NR_125991	LOC102723661
A_24_P49383	10,1569	10,7436	-1,501807602	ENST00000526415	28971	NM_024684	AAMDC
A_24_P149902	3,03573	3,62243	-1,501807602	ENST00000471000	51684	NM_016169	SUFU
A_33_P3398946	5,02108	5,60798	-1,502015812	ENST00000302165	26145	NM_015649	IRF2BP1
A_21_P0013964	1,40687	1,99389	-1,502140751	N/A	N/A	AK123224	Inc-ZNF768-1
A_33_P3256560	12,4889	13,076	-1,50222405	ENST00000291900	10444	NM_006336	ZER1



A_21_P0008570	9,01091	9,5981	-1,502317766	N/A	N/A	N/A	Inc-USP8-2
A_22_P00006013	1,71446	2,30168	-1,502349006	ENST00000543970	N/A	BU570017	N/A
A_33_P3346936	3,91779	4,50507	-1,502411488	ENST00000549378	23041	BC111488	MON2
A_33_P3212754	7,67653	8,26391	-1,502515631	ENST00000253262	54754	NM_017561	NUTM2F
A_24_P72064	2,05897	2,64643	-1,502598951	ENST00000230882	2690	NM_000163	GHR
A_33_P3387786	2,33464	2,92218	-1,502682275	ENST00000590384	N/A	N/A	N/A
A_23_P110811	15,7931	16,3808	-1,502848937	ENST00000509578	1350	NM_001867	COX7C
A_33_P3289128	9,03428	9,62203	-1,502901023	ENST00000342537	100128927	NM_001137601	ZBTB42
A_23_P7827	8,67345	9,2613	-1,503005199	ENST00000368605	441168	NM_001010919	FAM26F
A_23_P122443	13,5612	14,1491	-1,50305729	ENST00000343677	3006	NM_005319	HIST1H1C
A_24_P242299	12,2969	12,8848	-1,50305729	ENST00000254821	9406	NM_005455	ZRANB2
A_22_P00022845	3,65403	4,24212	-1,503255253	N/A	N/A	BX373851	Inc-RPS27L-1
A_23_P2998	12,4365	13,0246	-1,503265673	ENST00000358043	5018	NM_005015	OXA1L
A_24_P16036	11,22	11,8081	-1,503265673	ENST00000474668	391356	NM_001013663	PTRHD1
A_33_P3423941	14,6199	15,208	-1,503265673	ENST00000408968	8519	NM_003641	IFITM1
A_23_P55990	9,55309	10,1413	-1,503380296	ENST00000595826	8775	NM_003827	NAPA
A_33_P3411477	5,29771	5,88615	-1,503619989	ENST00000339852	342897	NM_001001414	NCCRP1
A_22_P00025171	1,47584	2,06439	-1,503734639	ENST00000382897	642484	XR_159014	FLJ45743
A_33_P3399267	6,44767	7,03626	-1,503776332	ENST00000379972	3601	NM_172200	IL15RA
A_33_P3310961	4,77556	5,3643	-1,503932691	ENST00000369655	100505933	NR_038943	ADD3-AS1
A_24_P394368	6,06751	6,65634	-1,504026514	ENST00000512095	57728	NM_025132	WDR19
A_32_P222695	7,86591	8,45475	-1,504036939	ENST00000333677	389337	NM_001001669	ARHGEF37
A_33_P3368776	1,42456	2,01341	-1,504047364	ENST00000328886	388364	NM_206832	TMIGD1
A_23_P149368	1,4552	2,04416	-1,504162047	ENST00000495126	115350	NM_052938	FCRL1
A_33_P3305348	4,41948	5,00852	-1,504245457	ENST00000283351	22878	NM_014939	TRAPPC8
A_21_P0007867	1,62266	2,2119	-1,504454005	N/A	N/A	N/A	Inc-FBXL14-2
A_23_P89270	3,74075	4,33021	-1,50468344	ENST00000450523	5345	NM_000934	SERPINF2
A_22_P00022283	2,07398	2,66347	-1,504714729	N/A	101926943	NR_110044	LOC101926943
A_33_P3371718	13,3161	13,9057	-1,504829462	ENST00000474223	6303	NM_002970	SAT1
A_22_P00012741	4,58683	5,17645	-1,504850324	N/A	N/A	N/A	Inc-RABEPK-1
A_23_P501547	8,10231	8,69195	-1,504871186	ENST00000307885	112	NM_015270	ADCY6
A_19_P00316324	2,73932	3,32926	-1,505184147	ENST00000437601	100506810	NR_038856	LINC01132
A_24_P343621	3,89525	4,48519	-1,505184147	ENST00000422887	79746	NM_024693	ECHDC3

A_21_P0013071	7,65084	8,24087	-1,505278048	N/A	N/A	N/A	XLOC_I2_012925
A_33_P3215193	8,04411	8,63437	-1,505518045	ENST00000403197	64802	NM_001297779	NMNAT1
A_23_P44195	8,95012	9,5405	-1,505643275	ENST00000284073	124540	NM_138962	MSI2
A_22_P00009648	1,42985	2,02028	-1,505695458	ENST00000574842	N/A	N/A	N/A
A_23_P96965	8,81573	9,40617	-1,505705895	ENST00000409190	81493	NM_030786	SYNC
A_22_P00017385	5,3869	5,97743	-1,505799828	N/A	N/A	CU680245	Inc-VAMP1-1
A_22_P00000083	2,24872	2,83927	-1,505820703	N/A	101154753	NR_109836	PANDAR
A_22_P00007717	5,22014	5,81083	-1,505966836	ENST00000412095	100507463	NR_037173	PSMB8-AS1
A_23_P113623	12,8752	13,4659	-1,505977275	ENST00000621878	84311	NM_032351	MRPL45
A_19_P00316144	1,61062	2,20148	-1,506144302	ENST00000342990	N/A	N/A	N/A
A_24_P540057	5,28866	5,8797	-1,50633223	ENST00000616011	763	NM_001739	CA5A
A_24_P323148	8,17295	8,76406	-1,50640532	ENST00000414615	284348	NM_182573	LYPD5
A_24_P238118	1,64673	2,23786	-1,506426203	N/A	100192379	NR_024365	PP12613
A_24_P135501	15,5367	16,1279	-1,506499297	ENST00000497325	N/A	N/A	N/A
A_23_P328206	8,27899	8,87026	-1,506572395	ENST00000324109	23268	NM_015221	DNMBP
A_22_P00001321	4,6021	5,19351	-1,506718601	N/A	N/A	BC031882	Inc-ANTXRL-2
A_23_P43763	9,83467	10,4262	-1,506843931	ENST00000219207	51090	NM_015993	PLLP
A_33_P3228757	6,85069	7,44236	-1,506990163	ENST00000614383	730051	NM_001144989	ZNF814
A_33_P3397770	1,36798	1,9597	-1,507042393	N/A	N/A	CR745709	N/A
A_21_P0009074	3,08974	3,68176	-1,507355806	ENST00000565374	N/A	N/A	N/A
A_24_P28295	9,18058	9,77275	-1,507512537	ENST00000367686	9910	NM_001243765	RABGAP1L
A_23_P348063	7,53881	8,13105	-1,507585684	ENST00000328933	9145	NM_004711	SYNGR1
A_24_P212234	4,64762	5,23996	-1,507690185	ENST00000324642	348932	NM_182632	SLC6A18
A_33_P3242458	10,0817	10,6741	-1,507752889	ENST00000506102	54946	NM_017836	SLC41A3
A_22_P00025883	2,9261	3,51855	-1,507805145	N/A	N/A	N/A	Inc-FBXO47-1
A_33_P3292130	11,3951	11,9876	-1,507857403	N/A	N/A	N/A	XLOC_I2_013383
A_23_P338952	10,188	10,7806	-1,507961923	ENST00000373475	64766	NM_022753	S100BPB
A_33_P3331641	7,4133	8,0059	-1,507961923	N/A	100131213	NR_110301	ZNF503-AS2
A_33_P3423121	4,86672	5,45933	-1,507972375	N/A	5962	NM_001260492	RDX
A_23_P255057	8,75847	9,35109	-1,507982828	ENST00000460713	55032	NM_017945	SLC35A5
A_22_P00011160	4,21051	4,80317	-1,508024639	N/A	N/A	N/A	Inc-OBSCN-1
A_33_P3397066	1,89523	2,48795	-1,508087357	N/A	N/A	CR736467	N/A
A_21_P0005946	1,38492	1,97779	-1,508244164	N/A	N/A	N/A	Inc-FAM83A-1

A_22_P00004826	1,66383	2,25673	-1,508275527	ENST00000441841	340581	XR_244539	LOC340581
A_24_P791040	4,81654	5,40952	-1,508359166	ENST00000608872	26190	NM_012164	FBXW2
A_24_P245358	14,6997	15,2927	-1,508380077	ENST00000592364	498	NM_001001937	ATP5A1
A_21_P0000193	11,9776	12,5706	-1,508380077	ENST00000373019	10946	NM_006802	SF3A3
A_22_P00017906	1,66353	2,25654	-1,508390532	ENST00000524014	102724874	NR_125830	LOC102724874
A_23_P155257	12,6126	13,2057	-1,508484633	ENST00000498215	27086	NM_032682	FOXP1
A_22_P00004279	8,92397	9,51712	-1,508536914	ENST00000507727	199857	NM_144988	ALG14
A_24_P193295	11,3162	11,9095	-1,508693768	ENST00000533601	376267	NM_198686	RAB15
A_23_P415558	9,8801	10,4735	-1,508798346	ENST00000335870	7988	NM_012256	ZNF212
A_24_P166645	10,7007	11,2941	-1,508798346	ENST00000425389	29803	NM_014374	REPIN1
A_23_P390116	7,85444	8,44786	-1,508819263	ENST00000382095	221178	NM_153023	SPATA13
A_33_P7314857	3,74682	4,34036	-1,508944768	ENST00000508313	100506085	NR_037878	LOC100506085
A_22_P00003542	1,58199	2,17564	-1,509059824	N/A	N/A	N/A	Inc-CCNK-2
A_23_P164674	5,48713	6,08078	-1,509059824	ENST00000590612	7768	NM_013362	ZNF225
A_21_P0004062	3,12759	3,72125	-1,509070284	ENST00000513561	N/A	N/A	N/A
A_24_P355493	9,18796	9,78163	-1,509080744	ENST00000481452	64077	NM_022126	LHPP
A_22_P00008693	2,53869	3,13238	-1,509101665	N/A	N/A	N/A	Inc-KIAA1147-3
A_23_P79302	8,94139	9,53512	-1,509143506	ENST00000409876	130576	NM_177964	LYPD6B
A_33_P3379136	1,36266	1,95639	-1,509143506	N/A	N/A	N/A	N/A
A_22_P00013989	2,62819	3,22202	-1,509248116	ENST00000503218	N/A	N/A	N/A
A_23_P376088	8,00516	8,59902	-1,5092795	ENST00000476221	54923	NM_017806	LIME1
A_23_P214168	12,6961	13,29	-1,509321347	ENST00000322507	1303	NM_004370	COL12A1
A_33_P3277758	4,45073	5,04467	-1,509363195	N/A	N/A	N/A	N/A
A_33_P3325306	13,7929	14,3869	-1,509425969	ENST00000463841	3336	N/A	HSPE1
A_21_P0004121	9,77577	10,3698	-1,509457356	ENST00000511579	N/A	N/A	N/A
A_23_P3330999	5,13917	5,7332	-1,509457356	ENST00000354577	9439	NM_015979	MED23
A_33_P3294172	1,46567	2,05973	-1,509488745	N/A	N/A	N/A	N/A
A_23_P389102	10,8354	11,4296	-1,509635234	ENST00000318217	4642	NM_015194	MYO1D
A_23_P212511	9,10465	9,69887	-1,509656162	ENST00000470669	151613	NM_001042601	TTC14
A_21_P0012982	2,23482	2,82905	-1,509666626	ENST00000510758	N/A	N/A	N/A
A_23_P20275	11,1277	11,722	-1,509739877	ENST00000315367	79666	NM_024613	PLEKHF2
A_33_P3289113	6,18998	6,78429	-1,509750342	ENST00000572088	1353	AK124809	COX11
A_33_P3399768	5,46293	6,0573	-1,509813132	N/A	100129269	NR_034126	LINC01160

A_33_P3214129	12,142	12,7364	-1,509844528	N/A	728061	AK025151	LOC728061
A_22_P00012299	2,43056	3,02497	-1,509854994	N/A	N/A	N/A	Inc-PPP4C-1
A_23_P219197	9,53285	10,1273	-1,509896856	ENST00000478599	5998	NM_134427	RGS3
A_33_P3346287	1,35873	1,95319	-1,509907322	ENST00000430192	339789	NR_034135	LINC00299
A_23_P147711	2,11388	2,70841	-1,509980585	ENST00000368680	4881	NM_000906	NPR1
A_19_P00812911	9,70404	10,2986	-1,510011985	N/A	728431	N/A	LINC01137
A_23_P330461	12,5679	13,1627	-1,510263204	ENST00000617472	147798	NM_144686	TMC4
A_33_P3410194	9,02811	9,62306	-1,510420237	ENST00000254810	N/A	AK054591	N/A
A_24_P450285	6,11087	6,70595	-1,510556346	ENST00000415318	283152	NM_001145018	CCDC153
A_19_P00317904	8,2435	8,8386	-1,510577287	N/A	N/A	N/A	Inc-ZNF674-3
A_23_P11980	3,60926	4,20437	-1,510587758	ENST00000610710	149465	NM_001195831	CFAP57
A_21_P0014248	4,16306	4,75823	-1,510650583	N/A	100507347	NR_108061	VIM-AS1
A_33_P3504002	2,5339	3,12919	-1,51077624	ENST00000520902	286186	NR_033893	LINC01299
A_22_P00014132	2,00401	2,59962	-1,511111378	N/A	N/A	BG184172	Inc-SCGB1D4-2
A_23_P346900	2,59115	3,1868	-1,511153276	ENST00000424201	9254	NM_001005505	CACNA2D2
A_23_P135787	8,08893	8,68475	-1,511331353	ENST00000614479	2804	NM_001256487	GOLGB1
A_23_P89589	9,46128	10,0573	-1,511540883	ENST00000582719	5187	NM_002616	PER1
A_23_P394567	7,03882	7,63507	-1,511781877	ENST00000197268	57613	NM_020853	KIAA1467
A_21_P0001466	1,49545	2,09172	-1,511802835	N/A	N/A	N/A	Inc-MTOR-1
A_24_P79054	10,2462	10,8425	-1,511834273	ENST00000221930	7040	NM_000660	TGFB1
A_22_P00008159	3,3231	3,91942	-1,511855231	ENST00000608010	N/A	N/A	N/A
A_22_P00011719	5,90561	6,50193	-1,511855231	N/A	N/A	AK026213	Inc-PEA15-1
A_24_P126628	9,91437	10,5107	-1,511865711	ENST00000300128	23306	NM_015257	TMEM194A
A_22_P00019938	4,25107	4,84744	-1,511907629	ENST00000494761	101927346	XR_245076	LOC101927346
A_24_P311926	15,741	16,3375	-1,512043872	ENST00000428701	3135	NM_002127	HLA-G
A_23_P336198	7,80583	8,40252	-1,512243018	ENST00000482540	113263	NM_138426	GLCCI1
A_33_P3294608	15,4368	16,0335	-1,5122535	ENST00000395353	9961	NM_017458	MVP
A_22_P00007940	6,24614	6,84302	-1,512442191	N/A	100132774	NR_033827	KDM4A-AS1
A_19_P00808382	6,23604	6,83305	-1,512578482	N/A	100506334	NR_038883	LINC00649
A_23_P200637	7,38784	7,98493	-1,512662359	ENST00000251547	93611	NM_001014765	FBXO44
A_24_P199484	1,40378	2,00089	-1,512683329	N/A	9068	NM_004673	ANGPTL1
A_22_P00022627	1,52575	2,12308	-1,512914019	N/A	N/A	N/A	Inc-RP11-295D22.1.1-5
A_22_P00009825	4,91385	5,51127	-1,513008403	N/A	100507053	NR_037884	LOC100507053

A_23_P40956	2,51764	3,11508	-1,513029378	ENST00000287656	51738	NM_016362	GHRL
A_33_P3214586	9,80629	10,4038	-1,513102792	ENST00000372354	9048	NM_057090	ARTN
A_33_P3407429	2,57903	3,17659	-1,513155233	N/A	N/A	N/A	N/A
A_23_P149649	13,1953	13,7929	-1,513197187	ENST00000475506	6390	NM_003000	SDHB
A_21_P0009241	4,48655	5,0843	-1,513354526	N/A	N/A	N/A	Inc-MRM1-1
A_21_P0013654	6,80457	7,40239	-1,513427956	N/A	102723780	N/A	LOC102723780
A_33_P3287428	6,20017	6,798	-1,513438446	N/A	55073	BC107850	LRRC37A4P
A_33_P3807268	8,99935	9,59731	-1,513574827	N/A	94236	AF395440	DNAJA1P5
A_21_P0004536	1,57725	2,17532	-1,513690236	N/A	N/A	N/A	Inc-NEURL1B-3
A_23_P115105	12,0712	12,6693	-1,513721713	ENST00000401088	26099	NM_001114600	SZRD1
A_23_P21838	14,0411	14,6393	-1,513826639	ENST00000393892	1267	NM_033133	CNP
A_23_P207650	13,9201	14,5184	-1,513931573	ENST00000583858	37	NM_000018	ACADVL
A_33_P3334313	7,01695	7,61528	-1,513963055	ENST00000377776	57180	NM_020445	ACTR3B
A_23_P28730	11,4475	12,0459	-1,514036515	ENST00000450537	57473	NM_020713	ZNF512B
A_22_P00001999	2,16752	2,76598	-1,514099483	N/A	N/A	N/A	Inc-BCL7C-1
A_23_P5064	5,43187	6,03034	-1,514109978	ENST00000222374	199731	NM_145296	CADM4
A_33_P3260100	11,8357	12,4342	-1,514141463	ENST00000373408	154467	NM_138493	CCDC167
A_23_P79703	13,0511	13,6496	-1,514141463	ENST00000494615	3032	NM_000183	HADHB
A_24_P325107	7,31632	7,91483	-1,514151959	ENST00000369250	57700	NM_020940	FAM160B1
A_21_P0008128	3,16597	3,76449	-1,514162454	N/A	N/A	N/A	Inc-CRYL1-1
A_22_P00013710	6,66266	7,26123	-1,514214932	N/A	594842	NR_002835	HAS2-AS1
A_22_P00000594	1,77376	2,37243	-1,514319893	ENST00000575554	387646	N/A	LRRC37A6P
A_19_P00807468	4,37715	4,97584	-1,514340886	N/A	N/A	N/A	Inc-HIST1H1A-1
A_33_P3257628	8,53785	9,13655	-1,514351383	ENST00000393612	25839	NM_001195139	COG4
A_23_P11664	12,5706	13,1693	-1,514351383	ENST00000489188	9295	NM_004768	SRSF11
A_21_P0000220	7,57554	8,17426	-1,514372376	ENST00000476268	26818	NR_000020	SNORD33
A_33_P3406828	5,21489	5,81373	-1,514498343	N/A	727764	NR_046439	MAFIP
A_23_P157007	5,60579	6,20471	-1,514582327	ENST00000450753	28959	NM_014020	TMEM176B
A_33_P3227231	2,53573	3,13472	-1,514655817	ENST00000481817	155060	AK303492	LOC155060
A_21_P0002097	4,58869	5,18777	-1,514750309	ENST00000441053	N/A	N/A	N/A
A_21_P0000148	13,0344	13,6335	-1,514771308	ENST00000366466	4712	NM_002493	NDUFB6
A_21_P0013378	2,15133	2,75045	-1,514792308	ENST00000445615	N/A	N/A	N/A
A_22_P00010487	3,32756	3,92675	-1,514865807	ENST00000528326	N/A	N/A	N/A

A_21_P0008571	1,38413	1,98337	-1,51491831	N/A	N/A	N/A	Inc-SMAD3-1
A_33_P3281333	9,36345	9,96271	-1,514939311	ENST00000336278	6645	NM_006750	SNTB2
A_33_P3323544	2,78492	3,38418	-1,514939311	N/A	N/A	N/A	N/A
A_23_P73982	10,3748	10,9741	-1,514981315	ENST00000371429	55706	NM_018087	NDC1
A_24_P307827	10,6148	11,2143	-1,51519135	ENST00000286760	123720	NM_001080435	WHAMM
A_23_P85893	10,7843	11,3838	-1,51519135	ENST00000362007	112770	NM_144580	GLMP
A_21_P0010129	1,54957	2,14922	-1,515348896	N/A	N/A	N/A	Inc-TCFL5-2
A_22_P00025696	1,58374	2,18346	-1,515422423	N/A	N/A	N/A	Inc-CTD-2117L12.1.1-1
A_21_P0008164	1,4286	2,02834	-1,515443431	N/A	N/A	N/A	Inc-INTS6-1
A_23_P3312	5,19351	5,79328	-1,515474944	ENST00000249842	3671	NM_005545	ISLR
A_33_P3365037	11,4936	12,0934	-1,515506458	ENST00000592083	2067	NM_202001	ERCC1
A_23_P394377	4,53192	5,13188	-1,515674543	ENST00000312942	283518	NM_199464	KCNRG
A_33_P3284252	1,53014	2,13015	-1,515727073	N/A	N/A	N/A	N/A
A_33_P3380529	6,99033	7,59044	-1,515832139	ENST00000376378	56952	NM_001282786	PRTFDC1
A_33_P3321836	10,1105	10,7107	-1,515926704	ENST00000614805	23654	NM_012401	PLXNB2
A_23_P357101	9,02114	9,62147	-1,516063309	ENST00000308521	200316	NM_145298	APOBEC3F
A_21_P0000655	7,87409	8,47465	-1,516305025	N/A	100129917	NR_036511	LOC100129917
A_23_P256542	12,9481	13,5487	-1,516347066	ENST00000477892	26355	NM_014367	FAM162A
A_21_P0007374	6,04323	6,6439	-1,516420642	N/A	N/A	N/A	Inc-PRKRIR-1
A_23_P114353	1,70485	2,30564	-1,516546779	ENST00000263032	55998	NM_032946	NXF5
A_24_P911607	5,66842	6,26924	-1,516578315	ENST00000339464	7477	NM_058238	WNT7B
A_23_P119095	13,6496	14,2507	-1,516872683	ENST00000418234	10848	NM_006663	PPP1R13L
A_23_P114903	4,67878	5,27995	-1,516946284	ENST00000309758	3310	NM_002155	HSPA6
A_22_P00009923	1,61602	2,21724	-1,516998859	N/A	N/A	N/A	Inc-MIA3-1
A_24_P396702	8,11349	8,71476	-1,517051435	ENST00000480212	9936	NM_014880	CD302
A_33_P3362153	13,0213	13,6226	-1,517082981	ENST00000444469	388564	NM_001190764	TMEM238
A_24_P377225	6,83024	7,4316	-1,517146076	ENST00000441222	64854	NM_022832	USP46
A_21_P0011147	3,85232	4,45373	-1,517198657	ENST00000400311	N/A	N/A	N/A
A_22_P00016925	1,5746	2,1761	-1,517293308	ENST00000549055	N/A	CA394149	N/A
A_33_P3423600	13,26	13,8615	-1,517293308	ENST00000573786	339229	NM_001039842	OXLD1
A_23_P116387	9,12173	9,72328	-1,517345894	ENST00000278849	3619	NM_001040694	INCENP
A_33_P3234899	13,3318	13,9334	-1,517398482	ENST00000613870	5691	NM_002795	PSMB3
A_22_P00001773	3,92066	4,5223	-1,517440554	ENST00000430107	101929023	XR_425208	LOC101929023

A_24_P319613	7,39411	7,99586	-1,517556258	ENST00000540251	4751	NM_002497	NEK2
A_21_P0014787	1,50326	2,10503	-1,517577296	N/A	N/A	N/A	N/A
A_33_P3340580	4,25888	4,8608	-1,51773509	ENST00000618554	201181	NM_001242704	ZNF385C
A_33_P3399448	5,49165	6,0936	-1,51776665	N/A	54436	BC068094	SH3TC1
A_33_P3672482	6,07767	6,67971	-1,517861336	ENST00000003302	57646	NM_020886	USP28
A_21_P0012989	3,50697	4,10904	-1,5178929	ENST00000503882	N/A	N/A	N/A
A_22_P00016959	3,58328	4,18536	-1,517903421	ENST00000437610	101927534	XR_245057	LOC101927534
A_23_P87049	12,3044	12,9065	-1,517924464	ENST00000527649	6653	NM_003105	SORL1
A_23_P214638	8,96846	9,57062	-1,517987594	ENST00000469681	10919	NM_006709	EHMT2
A_33_P3308949	9,70686	10,3091	-1,518071771	ENST00000370132	1629	NM_001918	DBT
A_21_P0006857	1,64836	2,25067	-1,51814543	N/A	N/A	N/A	Inc-ANKRD30A-3
A_22_P00003394	4,64124	5,24365	-1,518250664	N/A	N/A	N/A	Inc-CCDC117-1
A_33_P3384958	6,66518	7,26764	-1,518303283	ENST00000457765	9890	NM_014839	LPPR4
A_23_P88880	1,4638	2,06626	-1,518303283	ENST00000262383	23090	NM_015069	ZNF423
A_33_P6817004	2,56985	3,17242	-1,518419053	N/A	400960	NR_033872	PCBP1-AS1
A_33_P3319463	8,01645	8,61904	-1,518440102	ENST00000583565	8031	NM_001145261	NCOA4
A_22_P00017169	2,56748	3,17007	-1,518440102	ENST00000520323	N/A	N/A	N/A
A_21_P0012378	1,42314	2,02585	-1,518566408	ENST00000473713	201617	N/A	LINC00870
A_23_P139250	1,38338	1,9861	-1,518576934	ENST00000317121	387748	NM_001005180	OR56B1
A_33_P3295148	12,3647	12,9675	-1,518661144	ENST00000507952	2749	NR_048575	GLUD1P3
A_21_P0003164	1,42283	2,02573	-1,518766413	N/A	N/A	N/A	Inc-KLF15-3
A_33_P3362869	11,7518	12,3547	-1,518766413	ENST00000555084	131118	NM_001190233	DNAJC19
A_33_P3237590	6,829	7,4319	-1,518766413	N/A	N/A	AK123396	Inc-ANKH-1
A_24_P355145	1,3552	1,95815	-1,518819051	ENST00000524076	85479	NM_033105	DNAJC5B
A_23_P140423	13,7167	14,3197	-1,51887169	ENST00000553666	4707	NM_004545	NDUFB1
A_33_P3368452	9,13351	9,73652	-1,518882218	ENST00000400322	100507436	NM_000247	MICA
A_21_P0009360	6,48636	7,08944	-1,518955916	ENST00000578206	100499467	NR_036488	LINC00673
A_23_P131683	3,84937	4,45245	-1,518955916	ENST00000402218	22924	NM_012326	MAPRE3
A_21_P0009684	1,74659	2,35	-1,5193034	N/A	N/A	N/A	Inc-ZNF333-2
A_22_P00000869	1,88603	2,48948	-1,519345524	N/A	N/A	N/A	Inc-AGRP-2
A_33_P3269976	3,16307	3,7666	-1,519429777	N/A	N/A	BG675116	N/A
A_22_P00015403	3,26832	3,87187	-1,519450841	ENST00000453666	N/A	N/A	N/A
A_23_P157963	3,37418	3,97776	-1,519482438	ENST00000380647	54875	NM_017738	CNTLN

A_33_P3267160	4,45387	5,05746	-1,51949297	ENST00000369681	51167	AK124658	CYB5R4
A_23_P56938	8,66419	9,26782	-1,5195351	ENST00000295025	5966	NM_002908	REL
A_23_P80739	8,18094	8,78458	-1,519545632	ENST00000463876	5333	NM_006225	PLCD1
A_24_P295590	5,34144	5,9452	-1,51967203	ENST00000489171	83937	NM_032023	RASSF4
A_33_P3424112	7,25701	7,86096	-1,519872181	ENST00000588725	79665	NM_024612	DHX40
A_24_P362969	1,71627	2,32031	-1,519966998	ENST00000328546	345275	NM_178135	HSD17B13
A_33_P3255434	4,44308	5,04713	-1,519977534	ENST00000398461	55384	NR_002766	MEG3
A_32_P66222	3,99714	4,60127	-1,520061822	ENST00000359341	441430	NM_001012421	ANKRD20A2
A_24_P9671	12,713	13,3172	-1,520135577	ENST00000495015	3301	NM_001539	DNAJA1
A_23_P167005	5,72014	6,32444	-1,520240949	ENST00000355897	26996	NM_014373	GPR160
A_23_P354175	10,0745	10,6788	-1,520240949	ENST00000382936	92305	NM_138385	TMEM129
A_33_P3242383	4,07716	4,68151	-1,520293637	ENST00000504956	4299	AK296149	AFF1
A_33_P3390576	5,69105	6,29549	-1,520388481	ENST00000389506	4297	NM_001197104	KMT2A
A_33_P3377199	16,0233	16,6278	-1,520451714	ENST00000372079	5052	NM_002574	PRDX1
A_33_P3299560	6,1035	6,70807	-1,520525488	N/A	389170	AK094480	LEKR1
A_22_P00011899	8,22034	8,82496	-1,520578186	ENST00000490162	340340	N/A	LOC340340
A_21_P0013128	2,41561	3,02035	-1,52070467	N/A	414766	XR_241996	HCG16
A_21_P0005816	4,39815	5,00313	-1,520957668	N/A	N/A	N/A	Inc-RP11-419C23.1.1-2
A_22_P00008492	1,72963	2,33464	-1,520989296	N/A	N/A	N/A	Inc-KCNC2-4
A_24_P911362	1,61022	2,21533	-1,521094726	ENST00000427181	7148	U52700	TNXB
A_23_P73429	15,3066	15,9118	-1,52118962	ENST00000473883	3059	NM_005335	HCLS1
A_33_P3399045	1,53864	2,14387	-1,521221253	N/A	N/A	BC032569	N/A
A_23_P77669	6,80522	7,41051	-1,52128452	ENST00000565601	55565	NM_017530	ZNF821
A_23_P142294	12,4128	13,0181	-1,521295065	ENST00000292147	23474	NM_014297	ETHE1
A_23_P210445	6,08503	6,69036	-1,5213267	ENST00000427442	26013	NM_032107	L3MBTL1
A_24_P636882	7,54328	8,14863	-1,52134779	ENST00000263955	9262	NM_004226	STK17B
A_22_P00007593	2,69498	3,30036	-1,521379426	N/A	104355145	NR_126386	NCOA7-AS1
A_33_P3390918	3,72777	4,33319	-1,521421608	ENST00000334574	123722	NM_001007122	FSD2
A_33_P3307875	10,1276	10,7331	-1,521505976	ENST00000298130	171546	NM_138288	SPTSSA
A_21_P0012180	1,36052	1,96605	-1,521537615	N/A	N/A	N/A	XLOC_I2_009135
A_22_P00007695	8,50499	9,11055	-1,521569255	N/A	N/A	BX648801	Inc-HIST2H2AA3-1
A_24_P246636	2,88395	3,48954	-1,521600895	N/A	N/A	N/A	N/A
A_33_P3399268	7,35329	7,95902	-1,521748559	ENST00000379971	3601	N/A	IL15RA



A_33_P3390027	9,46821	10,0741	-1,521917336	ENST00000405068	23265	AK022397	EXOC7
A_24_P35891	12,4198	13,0257	-1,521927885	ENST00000421093	51222	NM_016423	ZNF219
A_24_P359545	8,70069	9,30668	-1,522022831	ENST00000399794	494115	NM_019610	RBMXL1
A_33_P3264072	4,09235	4,69835	-1,522033381	N/A	100128593	NR_033913	LOC100128593
A_23_P103971	1,46697	2,07307	-1,522138884	ENST00000334194	199974	NM_178134	CYP4Z1
A_23_P320897	6,98073	7,58703	-1,522349912	ENST00000294737	163486	NM_001195215	DENND1B
A_33_P3254956	4,03063	4,63696	-1,522381568	ENST00000329553	53820	NM_018962	RIPPLY3
A_21_P0009757	3,66411	4,27045	-1,522392121	N/A	N/A	N/A	Inc-C19orf12-2
A_23_P4400	8,50224	9,10861	-1,522423778	ENST00000391413	653240	NM_033059	KRTAP4-11
A_32_P120791	5,86188	6,46828	-1,522455437	N/A	N/A	BC040303	Inc-EYS-2
A_21_P0004923	1,46868	2,07509	-1,522465989	N/A	N/A	N/A	Inc-RFPL4B-3
A_23_P366682	6,58362	7,19013	-1,522571522	ENST00000359315	91978	NM_033513	TPGS1
A_22_P00016531	1,59024	2,19677	-1,52259263	ENST00000549470	N/A	N/A	N/A
A_22_P00020352	2,54978	3,15649	-1,52278261	N/A	N/A	N/A	Inc-PAQR9-1
A_23_P31858	1,53051	2,13735	-1,522919833	ENST00000276480	9705	NM_014682	ST18
A_21_P0000428	1,39649	2,00354	-1,523141527	N/A	767612	NR_003224	SNORD114-31
A_23_P8253	7,45355	8,06065	-1,523194316	ENST00000367363	135250	NM_139165	RAET1E
A_33_P3404531	6,77393	7,38106	-1,52322599	ENST00000490089	55063	NM_001258008	ZCWPW1
A_22_P00025535	1,49332	2,1005	-1,523278782	N/A	N/A	N/A	Inc-C15orf2-8
A_22_P00015507	4,03088	4,63811	-1,523331576	N/A	N/A	N/A	Inc-STAT6-2
A_19_P00811234	9,00175	9,60914	-1,523500528	N/A	N/A	N/A	N/A
A_23_P500542	7,08804	7,69545	-1,523521648	ENST00000371956	127343	NM_147192	DMBX1
A_22_P00003364	4,56403	5,17145	-1,523532209	N/A	N/A	N/A	Inc-CBR1-1
A_22_P00016379	7,8364	8,44384	-1,523553329	ENST00000596366	100505761	NR_038937	RPARP-AS1
A_33_P3213317	2,36211	2,96962	-1,523627254	N/A	N/A	N/A	N/A
A_23_P100499	8,75615	9,36373	-1,523701183	ENST00000585653	79641	NM_024589	ROGDI
A_21_P0013249	3,75025	4,35789	-1,523764553	N/A	N/A	N/A	XLOC_I2_013485
A_33_P3386870	3,39863	4,00639	-1,523891302	ENST00000452760	N/A	N/A	N/A
A_32_P197524	6,56745	7,17522	-1,523901865	N/A	83939	NM_032025	EIF2A
A_21_P0014383	4,65929	5,26714	-1,52398637	N/A	N/A	BE714980	N/A
A_23_P120281	6,29848	6,90669	-1,524366702	ENST00000376651	10913	NM_022336	EDAR
A_24_P236753	2,07845	2,68671	-1,524419534	ENST00000343572	8447	NM_003585	DOC2B
A_33_P3224715	1,70015	2,30846	-1,524472367	N/A	N/A	N/A	N/A

A_23_P169293	1,74559	2,35393	-1,524504068	ENST00000382276	1761	NM_021951	DMRT1
A_21_P0012625	1,80916	2,41758	-1,524588607	ENST00000503100	101927849	N/A	LOC101927849
A_22_P00017263	3,81381	4,42223	-1,524588607	N/A	N/A	N/A	Inc-UPK3B-1
A_24_P177964	11,2914	11,9	-1,524778836	ENST00000335999	57701	NM_001037806	NCKAP5L
A_33_P3373046	3,11576	3,72453	-1,524958519	ENST00000610548	400720	NM_001024596	ZNF772
A_24_P256512	1,49932	2,10817	-1,525043083	ENST00000537309	246744	NM_001007532	STH
A_24_P224488	6,71141	7,32032	-1,525106509	ENST00000344290	4137	NM_016835	MAPT
A_33_P3330264	8,0673	8,67623	-1,525127652	ENST00000395761	2919	NM_001511	CXCL1
A_33_P3283713	11,8968	12,506	-1,525413106	ENST00000273596	25864	NM_015407	ABHD14A
A_24_P275585	3,62429	4,23349	-1,525413106	ENST00000358767	64799	NM_001031715	IQCH
A_23_P131449	5,10656	5,71579	-1,525444826	ENST00000290390	388963	NM_001145054	C2orf81
A_23_P213840	12,8196	13,4289	-1,525518843	ENST00000517669	8992	NM_003945	ATP6V0E1
A_21_P0012234	2,99552	3,60484	-1,525539991	ENST00000419664	N/A	N/A	N/A
A_22_P00011164	2,24709	2,85649	-1,525624588	N/A	N/A	N/A	Inc-OCA2-3
A_24_P135921	9,47353	10,083	-1,525698613	ENST00000416467	N/A	N/A	N/A
A_23_P420256	9,32386	9,93334	-1,525709189	ENST00000237822	60526	NM_021925	C2orf43
A_24_P618401	3,82158	4,43106	-1,525709189	N/A	100131067	NR_034121	CKMT2-AS1
A_22_P00012448	1,97412	2,58369	-1,52580437	N/A	N/A	N/A	Inc-PRPF18-3
A_33_P3299882	4,70186	5,31143	-1,52580437	ENST00000287022	7381	NM_001254752	UQCRB
A_21_P0012084	1,38002	1,98965	-1,525867828	ENST00000416105	103344932	NR_121185	PGM5P4-AS1
A_21_P0009601	1,7217	2,33161	-1,526163999	N/A	N/A	N/A	Inc-VAPA-1
A_23_P45166	11,5797	12,1898	-1,526365005	ENST00000328195	11212	NM_007198	PROSC
A_23_P47282	11,385	11,9951	-1,526365005	ENST00000278742	6768	NM_021978	ST14
A_21_P0002828	3,76099	4,37111	-1,526386165	ENST00000439479	N/A	N/A	N/A
A_22_P00018449	1,40454	2,01467	-1,526396745	N/A	100130587	NR_110634	LOC100130587
A_24_P88696	1,93959	2,54978	-1,526460227	ENST00000305409	7857	NM_003469	SCG2
A_21_P0013907	1,92186	2,53207	-1,526481389	ENST00000455084	246119	NR_001542	TTY10
A_24_P678104	8,97518	9,58546	-1,526555456	ENST00000370053	50861	NM_015894	STMN3
A_21_P0013264	4,43532	5,04563	-1,5265872	N/A	401398	NR_125718	POT1-AS1
A_24_P48069	9,70751	10,3179	-1,526671854	ENST00000340099	55715	NM_018110	DOK4
A_21_P0011592	4,78401	5,39463	-1,526915262	ENST00000587874	100130581	NR_027412	LINC00910
A_23_P140427	3,59272	4,20336	-1,526936429	ENST00000554045	51466	NM_016337	EVL
A_21_P0007301	1,38951	2,00015	-1,526936429	N/A	N/A	N/A	Inc-NTM-4

A_33_P3282051	1,4	2,01081	-1,527116367	N/A	N/A	N/A	N/A
A_33_P3334443	9,37201	9,98291	-1,527211636	ENST00000370310	388650	NM_001252271	FAM69A
A_24_P296254	5,52926	6,14021	-1,527264566	ENST00000361627	9824	NM_014783	ARHGAP11A
A_33_P3724155	11,1607	11,7717	-1,527317498	ENST00000614504	91319	NM_198440	DERL3
A_24_P244356	11,2195	11,8305	-1,527317498	ENST00000292199	79671	NM_001282144	NLRX1
A_33_P3232363	2,08815	2,69917	-1,527338671	N/A	N/A	AF111851	N/A
A_19_P00319413	11,0099	11,621	-1,527423367	ENST00000520819	N/A	N/A	N/A
A_23_P133842	2,99765	3,60892	-1,527603362	ENST00000338379	3010	NM_005323	HIST1H1T
A_23_P428219	8,51259	9,12389	-1,527635128	ENST00000428826	2145	NM_001991	EZH1
A_23_P254353	9,39756	10,0089	-1,527677483	ENST00000392815	10811	NM_006647	NOXA1
A_33_P3405068	6,0622	6,67358	-1,52771984	ENST00000367296	89796	NM_020443	NAV1
A_23_P3979	11,1251	11,7365	-1,527741019	ENST00000577767	51081	NM_015971	MRPS7
A_22_P00005012	1,51326	2,12471	-1,527793967	N/A	N/A	DB096999	Inc-DDX20-2
A_32_P397824	3,13202	3,74354	-1,527868098	ENST00000333129	55137	NM_018086	FIGN
A_24_P185368	4,9071	5,51863	-1,527878689	ENST00000612521	201516	NM_152677	ZSCAN4
A_33_P3352578	1,56123	2,17281	-1,527931642	ENST00000382064	338339	NM_080387	CLEC4D
A_33_P3211014	3,04849	3,66022	-1,528090512	N/A	N/A	AY203951	N/A
A_21_P0003927	1,45323	2,06496	-1,528090512	ENST00000506471	100505878	NR_105017	LOC100505878
A_23_P111041	12,121	12,7328	-1,528164657	ENST00000377733	8346	NM_003525	HIST1H2BI
A_33_P3422085	2,33768	2,94948	-1,528164657	ENST00000598475	494119	NM_001009615	SPANXN2
A_23_P65930	11,5698	12,1817	-1,528270585	ENST00000561768	84936	NM_001077268	ZFYVE19
A_33_P3250018	4,25671	4,86861	-1,528270585	ENST00000544223	29915	NM_013320	HCFC2
A_23_P360354	2,27943	2,89134	-1,528281179	ENST00000507832	153643	NM_152548	FAM81B
A_33_P3321347	1,76674	2,37871	-1,528344739	ENST00000444532	388849	NM_001243537	LOC388849
A_23_P15450	1,56268	2,17484	-1,528546033	ENST00000575734	55273	NM_018286	TMEM100
A_21_P0006483	2,88211	3,49429	-1,528567223	N/A	N/A	N/A	Inc-EGFL6-2
A_23_P43613	12,6054	13,2176	-1,528588413	ENST00000350021	4712	NM_182739	NDUFB6
A_22_P00025716	2,02834	2,64055	-1,528599009	N/A	N/A	N/A	Inc-C17orf97-5
A_23_P161125	10,679	11,2914	-1,528800335	ENST00000471160	4343	NM_020963	MOV10
A_32_P36694	5,30845	5,92089	-1,528842723	ENST00000283928	221895	NM_175061	JAZF1
A_22_P00007002	6,04265	6,65513	-1,528885113	N/A	N/A	AK096687	Inc-GGCT-1
A_24_P491397	6,78506	7,39755	-1,52889571	ENST00000371360	388633	NM_001010978	LDLRAD1
A_33_P3301932	1,73452	2,34707	-1,528959296	N/A	N/A	CB993317	N/A

A_21_P0004375	1,44084	2,0534	-1,528969894	N/A	N/A	N/A	Inc-DROSHA-4
A_33_P3216467	8,39521	9,00777	-1,528969894	ENST00000263266	54854	NM_017708	FAM83E
A_33_P3240158	5,57416	6,18676	-1,529012287	N/A	N/A	N/A	N/A
A_23_P75867	2,13174	2,74437	-1,529044082	ENST00000379829	283297	NM_207186	OR10A4
A_22_P00000471	5,17585	5,78852	-1,529086477	N/A	100128788	NR_027274	SRRM2-AS1
A_33_P3316475	1,94434	2,55712	-1,529203068	ENST00000382376	400830	NM_207469	DEFB132
A_24_P208436	2,09122	2,70405	-1,529256067	ENST00000409365	5136	NM_001003683	PDE1A
A_23_P52031	13,0692	13,6821	-1,529330269	ENST00000540265	5236	NM_002633	PGM1
A_23_P158925	10,0943	10,7074	-1,529542294	ENST00000499527	166647	NM_145290	GPR125
A_24_P296508	7,47415	8,08729	-1,529584703	ENST00000613070	124935	NM_152346	SLC43A2
A_23_P110184	7,52831	8,14147	-1,529605907	ENST00000393766	6307	NM_006745	MSMO1
A_23_P216355	7,6367	8,24989	-1,529637715	ENST00000409379	4796	NM_013432	TONSL
A_23_P148959	11,6094	12,2226	-1,529648317	ENST00000371180	83941	NM_032027	TM2D1
A_33_P3840630	9,01882	9,6321	-1,529733142	ENST00000512810	285527	NM_015030	FRYL
A_22_P00006697	3,3262	3,93952	-1,529775555	N/A	N/A	N/A	Inc-FRG1B-1
A_22_P00011004	1,3658	1,97929	-1,529955827	ENST00000443373	N/A	N/A	N/A
A_24_P105298	16,4988	17,1124	-1,530072485	ENST00000440551	3020	NM_002107	H3F3A
A_33_P3247848	4,90868	5,52235	-1,530146726	ENST00000594159	730051	NM_001144989	ZNF814
A_33_P3339070	6,19584	6,80959	-1,530231578	ENST00000430998	100216001	NR_024475	LINC00704
A_33_P3407601	10,3154	10,9292	-1,530284613	N/A	N/A	N/A	N/A
A_33_P3316493	5,61129	6,2251	-1,53029522	ENST00000462707	29062	NM_014149	WDR91
A_22_P00007047	1,56363	2,17752	-1,53038008	N/A	N/A	N/A	Inc-GK-1
A_22_P00003403	1,75231	2,36622	-1,530401295	N/A	101928885	XR_241812	LOC101928885
A_23_P58579	7,47809	8,09207	-1,530475553	ENST00000612671	84851	NM_032765	TRIM52
A_32_P306678	4,23033	4,84438	-1,530549814	ENST00000509176	401145	NM_001145065	CCSER1
A_22_P00000931	2,45653	3,07069	-1,530666517	N/A	N/A	N/A	Inc-AKIP1-3
A_23_P865	7,21067	7,82503	-1,530878727	ENST00000287474	391059	NM_001013660	FRRS1
A_21_P0003789	2,07966	2,69402	-1,530878727	N/A	N/A	N/A	Inc-PPID-1
A_21_P0012968	2,05516	2,66967	-1,531037904	N/A	100996325	N/A	LOC100996325
A_22_P00006901	5,95897	6,57353	-1,531090966	N/A	692148	NR_004387	SCARNA10
A_33_P3303215	10,2544	10,869	-1,531133418	ENST00000473754	10772	NM_001191009	SRSF10
A_22_P00008661	2,12471	2,73932	-1,531144031	N/A	N/A	N/A	Inc-KIAA0226L-4
A_24_P353103	1,56191	2,17652	-1,531144031	ENST00000329285	148103	NM_001007248	ZNF599

A_33_P3220047	1,86055	2,4752	-1,531186484	ENST00000312033	80709	NM_030767	AKNA
A_23_P102919	1,64643	2,2611	-1,531207711	ENST00000615480	10317	NM_033171	B3GALT5
A_24_P221968	2,15405	2,76878	-1,531271393	ENST00000565598	643802	N/A	LOC643802
A_21_P0000573	2,49439	3,10915	-1,531303235	ENST00000429614	221262	NR_028595	CCDC162P
A_33_P3347971	8,80234	9,4173	-1,531515534	ENST00000448733	7163	NM_001287140	TPD52
A_23_P151746	12,3882	13,0032	-1,531557997	ENST00000556816	122961	NM_194279	ISCA2
A_33_P3366048	4,10822	4,72329	-1,531632311	ENST00000359676	140688	NM_001256798	NOL4L
A_21_P0014672	6,39478	7,00987	-1,531653544	N/A	101928069	XR_247243	LOC101928069
A_22_P0000800	1,66716	2,28226	-1,53166416	ENST00000535764	N/A	N/A	N/A
A_33_P3212700	5,27073	5,88586	-1,531696011	N/A	N/A	N/A	N/A
A_23_P82588	10,0073	10,6225	-1,531770331	ENST00000481123	154791	NM_197964	C7orf55
A_33_P3247431	1,42068	2,03598	-1,531876509	ENST00000368755	6701	NM_001017418	SPRR2B
A_23_P420942	6,48875	7,10407	-1,531897745	N/A	4493	XM_005255956	MT1E
A_21_P0007435	1,54634	2,16172	-1,531961456	ENST00000524565	101928812	NR_120557	LOC101928812
A_24_P90900	4,16006	4,77556	-1,532088887	ENST00000576915	1506	NM_001907	CTRL
A_33_P3227506	6,68958	7,30514	-1,532152606	ENST00000321892	2186	NM_182641	BPTF
A_23_P149200	11,2308	11,8465	-1,532301294	ENST00000372462	991	NM_001255	CDC20
A_22_P00001375	12,6071	13,2234	-1,532938693	ENST00000584204	N/A	N/A	N/A
A_33_P3860715	1,66027	2,2766	-1,53297057	N/A	647008	AK128002	FLJ46120
A_23_P115885	7,97313	8,58946	-1,53297057	ENST00000472891	9562	NM_004897	MINPP1
A_33_P3259203	2,7788	3,39514	-1,532981195	ENST00000375353	348013	XM_006719983	TMEM255B
A_33_P3254656	1,57831	2,1947	-1,533034325	N/A	N/A	N/A	N/A
A_22_P00011247	1,52679	2,14327	-1,533129964	N/A	N/A	N/A	Inc-OR1J2-2
A_22_P00017072	3,32872	3,94526	-1,533193726	N/A	N/A	N/A	Inc-TUFM-2
A_21_P0006520	7,10842	7,72507	-1,533310631	N/A	N/A	BC030106	Inc-ATP2B3-1
A_21_P0011176	4,05579	4,67246	-1,533331887	N/A	N/A	N/A	XLOC_I2_003897
A_33_P3229156	1,64664	2,26332	-1,533342516	ENST00000488738	63910	NM_001302643	SLC17A9
A_24_P75456	11,5777	12,1944	-1,533363772	ENST00000482002	N/A	N/A	N/A
A_23_P367663	1,58889	2,2056	-1,533374401	N/A	57000	NR_103560	GSN-AS1
A_33_P3399581	4,68243	5,29927	-1,533512578	ENST00000424636	1787	NM_004412	TRDMT1
A_24_P203418	3,20154	3,81856	-1,533703921	ENST00000617374	N/A	KJ423956	N/A
A_22_P00022761	1,4682	2,08528	-1,533767707	N/A	100132116	NR_125373	ACTA2-AS1
A_23_P14708	8,53287	9,15003	-1,53385276	ENST00000267807	54816	NM_017661	ZNF280D

A_23_P68505	10,4588	11,076	-1,533895288	ENST00000358293	63939	NM_001190826	FAM217B
A_23_P46871	8,33658	8,95381	-1,533927185	ENST00000373189	55315	NM_018344	SLC29A3
A_19_P00324399	8,96053	9,57786	-1,534033512	N/A	101928062	NR_120459	LINC01481
A_22_P00004066	5,93963	6,557	-1,534076045	N/A	N/A	XM_005255009	Inc-CHSY1-5
A_33_P3370555	5,65578	6,27316	-1,534086679	ENST00000474294	2581	D25284	GALC
A_33_P3347108	10,8937	11,5111	-1,534107946	ENST00000554157	91875	NM_138376	TTC5
A_22_P00002783	1,4543	2,07179	-1,534203651	N/A	N/A	N/A	Inc-C2CD4A-2
A_32_P15799	14,8765	15,494	-1,534214286	ENST00000619352	3151	NM_005517	HMG2
A_24_P90097	11,7661	12,3836	-1,534214286	ENST00000277900	120	NM_016824	ADD3
A_21_P0008626	9,78114	10,3987	-1,534278093	N/A	729082	NR_026757	OIP5-AS1
A_24_P37589	3,09023	3,70798	-1,534480168	ENST00000512463	55	NM_001099	ACPP
A_21_P0009420	4,31047	4,92824	-1,53450144	N/A	N/A	N/A	Inc-TMEM105-2
A_23_P384056	11,926	12,5438	-1,53453335	ENST00000489746	64770	NM_022757	CCDC14
A_23_P25019	10,2402	10,858	-1,53453335	ENST00000338193	5557	NM_000946	PRIM1
A_24_P203000	5,21354	5,83139	-1,534586534	ENST00000216223	3560	NM_000878	IL2RB
A_21_P0009399	2,75368	3,37158	-1,534639719	N/A	N/A	N/A	Inc-UTS2R-1
A_24_P102053	5,40691	6,02491	-1,534746096	ENST00000617792	100506658	NM_002538	OCLN
A_23_P31135	11,1364	11,7546	-1,534958872	ENST00000472052	39	NM_005891	ACAT2
A_23_P301521	1,94701	2,56523	-1,534980151	ENST00000375377	57608	NM_020848	KIAA1462
A_22_P00017233	4,63143	5,24967	-1,53500143	N/A	285266	NR_040100	ENTPD3-AS1
A_33_P3304247	4,57282	5,19108	-1,53502271	N/A	N/A	AK130267	N/A
A_21_P0011456	7,68472	8,30302	-1,535065271	ENST00000526173	8399	NM_003561	PLA2G10
A_22_P00023037	1,48524	2,10354	-1,535065271	ENST00000589652	63934	NR_030740	ZNF667
A_21_P0003103	1,38076	1,99913	-1,535139754	N/A	N/A	N/A	Inc-IQSEC1-1
A_22_P00017431	3,31058	3,92901	-1,5352036	N/A	N/A	N/A	Inc-VN1R1-1
A_21_P0013057	7,08766	7,70616	-1,535278091	N/A	N/A	N/A	XLOC_I2_012847
A_24_P21887	8,78582	9,40433	-1,535288732	ENST00000378486	9651	NM_014638	PLCH2
A_22_P00011938	1,59086	2,20939	-1,535310016	ENST00000438416	N/A	N/A	N/A
A_33_P3233318	3,32438	3,94294	-1,535341942	N/A	N/A	N/A	N/A
A_22_P00003992	3,71956	4,33815	-1,535373869	ENST00000556466	N/A	N/A	N/A
A_23_P165937	10,3518	10,9704	-1,535384512	ENST00000480153	79980	NM_024918	DSN1
A_22_P00005052	8,08127	8,69991	-1,535427082	N/A	N/A	N/A	Inc-DEGS2-4
A_33_P3272668	1,49249	2,11128	-1,535586732	N/A	N/A	N/A	N/A

A_23_P434518	6,9303	7,54933	-1,535842206	ENST00000359574	3955	NM_001040168	LFNG
A_33_P3309561	1,69456	2,31387	-1,536140313	ENST00000440289	5795	NM_001098503	PTPRJ
A_24_P376294	9,75774	10,3772	-1,536300037	ENST00000593587	11100	NM_007040	HNRNPUL1
A_23_P211401	7,0313	7,65084	-1,53638523	ENST00000407188	83999	NM_001039570	KREMEN1
A_33_P3243345	2,63903	3,2586	-1,536417179	ENST00000443990	646498	NM_001080528	C3orf84
A_22_P00008121	1,47448	2,09409	-1,536459778	N/A	N/A	N/A	Inc-IL2RA-3
A_21_P0013513	1,42997	2,04958	-1,536459778	ENST00000518311	N/A	N/A	N/A
A_22_P00014842	5,39972	6,01935	-1,536481078	N/A	N/A	N/A	Inc-SLC48A1-1
A_23_P69179	11,1766	11,7963	-1,53655563	ENST00000319332	55214	NM_018192	P3H2
A_33_P3384835	4,27449	4,89422	-1,536587582	N/A	101927100	NR_109874	LOC101927100
A_23_P251377	9,85231	10,4721	-1,536651489	ENST00000389735	56941	NM_001006109	HMCES
A_33_P3383059	10,4302	11,05	-1,53666214	N/A	N/A	N/A	N/A
A_23_P113317	9,96419	10,584	-1,536672791	ENST00000472301	54681	NM_177938	P4HTM
A_23_P412427	5,69913	6,31901	-1,536747353	N/A	171391	AF435951	LOC171391
A_33_P3319925	3,5408	4,16079	-1,536864529	ENST00000449753	730249	NM_001258406	IRG1
A_23_P126197	12,8963	13,5163	-1,536875181	ENST00000373795	6429	NM_005626	SRSF4
A_22_P00016891	2,52702	3,14711	-1,53697106	ENST00000553760	N/A	N/A	N/A
A_23_P51410	7,3994	8,01954	-1,537024328	ENST00000453676	64754	NM_022743	SMYD3
A_24_P911676	7,79108	8,41125	-1,53705629	ENST00000244745	6659	NM_003107	SOX4
A_21_P0013115	2,16566	2,78584	-1,537066944	N/A	N/A	N/A	XL0C_I2_013192
A_33_P3286293	9,67762	10,2978	-1,537066944	ENST00000377256	56998	NM_020248	CTNNBIP1
A_21_P0014923	3,26998	3,89024	-1,537152179	N/A	N/A	DA106905	N/A
A_21_P0002357	2,50217	3,12252	-1,537248075	N/A	N/A	N/A	Inc-SLC4A3-5
A_24_P206776	4,67373	5,29418	-1,537354632	ENST00000527899	1410	NM_001885	CRYAB
A_21_P0005087	2,63943	3,26008	-1,53756777	N/A	N/A	N/A	Inc-GPR31-1
A_33_P3302070	8,96026	9,58104	-1,537706325	N/A	N/A	N/A	N/A
A_33_P3327165	8,55954	9,18034	-1,537727642	ENST00000447456	343099	NM_206886	CCDC18
A_24_P932418	9,63569	10,2565	-1,537738301	ENST00000448903	161	NM_012305	AP2A2
A_33_P3269688	1,60953	2,23053	-1,537940831	ENST00000544719	26974	NM_001291490	ZNF285
A_33_P3349002	3,20409	3,82516	-1,538015454	N/A	N/A	N/A	N/A
A_33_P3331906	8,67468	9,29577	-1,538036776	ENST00000524887	6645	NM_006750	SNTB2
A_24_P484965	1,62993	2,25103	-1,538047437	ENST00000423031	401014	XM_005263847	TEX41
A_23_P26945	11,006	11,6271	-1,538047437	ENST00000225927	4669	NM_000263	NAGLU

A_22_P00002815	3,91399	4,5351	-1,538058098	N/A	101928371	NR_110236	LOC101928371
A_24_P296907	5,63881	6,25996	-1,538100742	ENST00000522483	199745	NM_152658	THAP8
A_21_P0005202	4,49517	5,11633	-1,538111404	ENST00000479592	100507642	NR_108064	LOC100507642
A_23_P75790	12,5272	13,1484	-1,53815405	ENST00000265460	745	NM_013279	MYRF
A_32_P90483	4,48702	5,10829	-1,538228683	ENST00000376352	252983	NM_178509	STXBP4
A_23_P112103	8,62137	9,24265	-1,538239346	ENST00000534602	79792	NM_024736	GSDMD
A_21_P0011689	1,85378	2,47506	-1,538239346	N/A	N/A	N/A	XLOC_I2_006675
A_23_P370924	11,9773	12,5986	-1,53826067	ENST00000477703	440957	NM_001124767	SMIM4
A_19_P00321858	2,97587	3,59727	-1,538367298	ENST00000467692	100506403	NR_073512	LOC100506403
A_23_P17021	7,0044	7,62583	-1,538399288	ENST00000548868	79634	NM_024583	SCRN3
A_22_P00010958	3,76949	4,39101	-1,538495261	N/A	N/A	BC027323	Inc-NRARP-1
A_22_P00003766	8,15076	8,77237	-1,538591241	ENST00000615852	N/A	XR_429898	N/A
A_23_P256965	2,99708	3,61879	-1,538697891	N/A	83656	NR_026814	FAM167A-AS1
A_23_P142815	4,22924	4,851	-1,538751219	ENST00000234396	525	NM_001692	ATP6V1B1
A_33_P3259507	7,01065	7,63266	-1,539017888	ENST00000432825	26267	NM_012166	FBXO10
A_22_P00000630	2,59467	3,21675	-1,539092563	N/A	N/A	N/A	Inc-ACP2-1
A_22_P00011029	3,61396	4,23626	-1,539327281	N/A	N/A	CR736616	Inc-NT5DC3-3
A_23_P60210	2,39818	3,02054	-1,539391301	ENST00000223862	6013	NM_006911	RLN1
A_24_P187119	6,50379	7,12615	-1,539391301	N/A	84268	AK098491	RPAIN
A_21_P0000685	1,71371	2,33614	-1,539465995	ENST00000421868	100286922	NR_037694	LOC100286922
A_33_P3284951	9,52861	10,1511	-1,539530021	ENST00000216122	4174	NM_006739	MCM5
A_22_P00014981	1,72209	2,34464	-1,539594049	N/A	N/A	N/A	Inc-SMC1A-2
A_23_P218505	8,21289	8,83544	-1,539594049	ENST00000391869	3972	NM_000894	LHB
A_23_P377141	8,22535	8,848	-1,539700769	ENST00000357409	23230	NM_015186	VPS13A
A_24_P860797	4,31634	4,9391	-1,53981817	ENST00000244221	400961	NM_020459	PAIP2B
A_24_P238143	8,82325	9,44607	-1,539882211	ENST00000570311	474170	NM_001006607	LRRC37A2
A_24_P194661	1,59999	2,22285	-1,539924906	N/A	285097	XR_108456	FLJ38379
A_22_P00006958	2,65536	3,27828	-1,539988951	N/A	N/A	BJ995728	Inc-GCNT3-1
A_33_P3322730	1,38073	2,00371	-1,540052999	N/A	N/A	N/A	N/A
A_22_P00019984	1,44073	2,06372	-1,540063674	N/A	N/A	N/A	Inc-COX19-2
A_33_P3431595	10,1258	10,7488	-1,540074348	ENST00000524181	286122	NM_173687	C8orf31
A_21_P0013064	2,00269	2,62576	-1,540149075	N/A	N/A	N/A	XLOC_I2_012899
A_33_P3377239	6,51297	7,13607	-1,540181102	ENST00000609087	100270804	N/A	LOC100270804



A_23_P120931	9,64065	10,264	-1,540448018	ENST00000428892	27350	NM_014508	APOBEC3C
A_22_P00019281	1,77461	2,39799	-1,540480051	ENST00000414127	N/A	N/A	N/A
A_33_P3388283	3,62678	4,25035	-1,540682943	ENST00000496907	3155	N/A	HMGCL
A_24_P11462	7,36774	7,99134	-1,540714981	ENST00000294517	113451	NM_052998	AZIN2
A_33_P3374982	1,57906	2,20268	-1,54073634	N/A	N/A	N/A	N/A
A_21_P0011700	1,38698	2,01071	-1,540853819	N/A	147710	XM_006723031	IGSF23
A_23_P114307	3,04272	3,66645	-1,540853819	ENST00000374519	5030	NM_002565	P2RY4
A_23_P397376	5,4905	6,11424	-1,5408645	ENST00000393350	4094	NM_001031804	MAF
A_24_P927716	2,54176	3,16551	-1,54087518	ENST00000506741	643036	NR_003542	SLED1
A_22_P00017609	3,35881	3,98261	-1,540928584	N/A	100874110	NR_046719	GLYCTK-AS1
A_33_P3679768	11,2343	11,8581	-1,540928584	N/A	N/A	AW303581	N/A
A_23_P303718	7,46587	8,08968	-1,540939265	ENST00000482156	667	NM_015548	DST
A_33_P6468355	5,85121	6,47503	-1,540949946	N/A	57212	NR_033711	TP73-AS1
A_22_P00023161	2,69711	3,32102	-1,541046078	N/A	N/A	N/A	Inc-AC016251.1-2
A_32_P183904	3,19197	3,81593	-1,541099488	ENST00000290894	90525	NM_138356	SHF
A_23_P259333	10,095	10,719	-1,541142217	ENST00000405204	51250	NM_016487	C6orf203
A_33_P3258274	9,98016	10,6042	-1,541184947	ENST00000481132	7035	AB209866	TFPI
A_21_P0013709	6,72538	7,3495	-1,541270411	ENST00000423122	100506119	N/A	LINC01503
A_21_P0003673	2,17672	2,80087	-1,541302461	N/A	N/A	N/A	Inc-PALLD-1
A_19_P00316538	1,61699	2,24114	-1,541302461	ENST00000444266	102724321	NR_110600	LOC102724321
A_21_P0010393	3,16269	3,78708	-1,541558886	N/A	N/A	N/A	Inc-ZNF74-1
A_24_P48587	11,8938	12,5183	-1,541676428	ENST00000222266	55851	NM_172341	PSENEIN
A_33_P3403778	12,944	13,5689	-1,542103931	ENST00000325421	163033	NM_152600	ZNF579
A_33_P3449097	5,5456	6,17058	-1,542189446	ENST00000621293	83882	NM_001290212	TSPAN10
A_22_P00005334	2,77548	3,40078	-1,542531552	N/A	N/A	BX090936	Inc-DOPEY1-1
A_23_P127013	3,87143	4,49694	-1,542756101	ENST00000466338	6934	NM_030756	TCF7L2
A_22_P00021516	1,47994	2,10548	-1,542788182	ENST00000497285	N/A	N/A	N/A
A_21_P0014873	1,37	1,99565	-1,542905818	ENST00000550907	N/A	N/A	N/A
A_33_P3789382	5,66641	6,29207	-1,542916513	N/A	84989	NR_027182	JMJD1C-AS1
A_21_P0008995	1,68341	2,30909	-1,542937903	N/A	N/A	N/A	Inc-BANP-1
A_33_P3304372	5,51967	6,14554	-1,543141118	ENST00000511532	55314	NM_018342	TMEM144
A_21_P0011267	4,78793	5,41381	-1,543151814	ENST00000554732	283547	NR_039982	LINC00639
A_33_P3232677	2,14578	2,77179	-1,543290872	ENST00000428118	N/A	N/A	N/A

A_23_P164387	11,5283	12,1545	-1,543494134	ENST00000578112	6605	NM_003079	SMARCE1
A_23_P25835	9,58362	10,2099	-1,543579726	ENST00000246166	2342	NM_002028	FNTB
A_33_P3255766	9,75622	10,3825	-1,543579726	ENST00000409129	60491	NM_001142356	NIF3L1
A_33_P3263902	6,41784	7,04415	-1,543611824	ENST00000393134	4601	NM_005962	MXI1
A_21_P0000181	9,61468	10,2411	-1,543729523	ENST00000461580	23261	NM_001242701	CAMTA1
A_23_P361448	6,39164	7,01815	-1,543825829	ENST00000416495	143686	NM_144665	SESN3
A_22_P00003528	1,41829	2,04485	-1,543879335	N/A	N/A	N/A	Inc-CCNB1IP1-2
A_22_P00021928	2,07829	2,70485	-1,543879335	N/A	N/A	AK096426	Inc-MTRNR2L3-1
A_21_P0001038	1,68412	2,31085	-1,544061268	ENST00000426262	N/A	N/A	N/A
A_23_P68121	8,32425	8,95105	-1,544136189	ENST00000460725	23550	NM_012455	PSD4
A_24_P592012	4,46554	5,09259	-1,54440379	ENST00000395104	140685	NM_025224	ZBTB46
A_22_P00012531	6,66736	7,29464	-1,544650025	N/A	N/A	BM970278	Inc-PSPC1-1
A_33_P3369039	12,6573	13,2846	-1,544671438	ENST00000321030	26121	NM_015629	PRPF31
A_24_P115621	9,97289	10,6003	-1,544789218	ENST00000373218	1979	NM_004096	EIF4EBP2
A_23_P432626	6,5857	7,21315	-1,544832049	ENST00000446236	55972	NM_018843	SLC25A40
A_21_P0004413	2,42758	3,05509	-1,544896298	N/A	N/A	N/A	Inc-ANKRA2-5
A_33_P3295458	4,81392	5,44143	-1,544896298	N/A	339674	NR_024355	LINC00634
A_33_P3366391	4,49604	5,12358	-1,544928424	ENST00000534728	N/A	N/A	N/A
A_33_P3336617	12,4682	13,0958	-1,544992677	ENST00000476965	224	NM_000382	ALDH3A2
A_32_P129950	9,3956	10,0233	-1,545099771	ENST00000610563	387921	NM_001012754	NHLRC3
A_22_P00019235	5,6357	6,26349	-1,545196163	N/A	101559451	NR_103482	LOC101559451
A_32_P219116	10,2557	10,8835	-1,545206873	ENST00000545981	55835	NM_018451	CENPJ
A_23_P214222	13,4217	14,0495	-1,545206873	ENST00000612661	4082	D10522	MARCKS
A_33_P3345126	3,28212	3,91004	-1,545335405	ENST00000619231	374900	NM_198539	ZNF568
A_21_P0005406	1,57934	2,20732	-1,545399675	N/A	N/A	N/A	Inc-NPTX2-1
A_21_P0013806	11,1301	11,7581	-1,545421099	ENST00000434972	3032	NM_001281513	HADHB
A_33_P3348046	1,45419	2,08219	-1,545421099	N/A	N/A	N/A	N/A
A_21_P0010520	5,99749	6,6255	-1,545431811	ENST00000544155	N/A	XM_006713169	N/A
A_19_P00809992	5,36515	5,99318	-1,545453236	ENST00000446360	119710	NM_001276722	C11orf74
A_19_P00322938	7,98358	8,61163	-1,54547466	ENST00000440438	401320	NR_038889	LOC401320
A_32_P153071	2,46179	3,08995	-1,545592501	ENST00000262178	7434	NM_003382	VIPR2
A_21_P0013462	4,07788	4,70638	-1,545956794	ENST00000418309	N/A	N/A	N/A
A_24_P93664	1,6615	2,29015	-1,546117539	ENST00000337335	574407	NR_073154	C1orf145

A_33_P3259042	2,81719	3,44592	-1,546203276	ENST00000395988	93649	NM_001146312	MYOCD
A_21_P0005225	1,45005	2,07878	-1,546203276	ENST00000415356	N/A	N/A	N/A
A_22_P00022130	3,1005	3,72927	-1,546246147	N/A	N/A	N/A	Inc-GTPBP8-2
A_23_P373119	10,7283	11,3571	-1,5462783	ENST00000393368	128872	NR_002165	HMGB3P1
A_21_P0003735	1,56902	2,19802	-1,546492675	ENST00000507759	N/A	N/A	N/A
A_33_P3306342	2,17328	2,80237	-1,546589153	ENST00000317093	390075	NM_001001922	OR52N5
A_33_P3401267	5,9038	6,53294	-1,546642755	ENST00000487919	9637	NM_001042548	FEZ2
A_33_P3246985	3,77461	4,4038	-1,546696358	ENST00000313342	9659	NM_022359	PDE4DIP
A_23_P380965	11,1966	11,8258	-1,546707079	ENST00000554721	51528	NM_016475	JKAMP
A_33_P3296497	7,36346	7,99269	-1,546739242	ENST00000495748	5796	XM_006725022	PTPRK
A_21_P0009722	3,77297	4,40237	-1,546921513	N/A	N/A	N/A	Inc-ZNF227-1
A_23_P23194	9,82224	10,4517	-1,546985849	ENST00000492302	65018	NM_032409	PINK1
A_23_P43476	6,96128	7,59077	-1,547018018	ENST00000382100	7436	NM_003383	VLDLR
A_22_P00010980	7,64698	8,27654	-1,547093082	N/A	55449	NR_023924	DHRS4-AS1
A_21_P0014767	1,34522	1,9748	-1,547114529	ENST00000573229	286023	N/A	FLJ40288
A_21_P0013121	1,51609	2,14578	-1,547232495	N/A	N/A	N/A	Inc-LY86-3
A_19_P00320038	1,85716	2,48701	-1,547404098	N/A	80069	NR_026780	LINC00574
A_23_P144348	3,65862	4,28851	-1,547447002	ENST00000503823	9353	NM_004787	SLIT2
A_23_P126363	1,46847	2,09846	-1,547554267	ENST00000369400	11085	NM_021794	ADAM30
A_33_P3353242	9,94748	10,5775	-1,547586447	ENST00000248553	3315	NM_001540	HSPB1
A_23_P55319	12,0309	12,661	-1,547672266	ENST00000577789	2319	NM_004475	FLOT2
A_22_P00001339	3,05278	3,68304	-1,547843918	N/A	N/A	N/A	Inc-AP000679.2.1-2
A_33_P3369844	13,4753	14,1056	-1,547886834	ENST00000606017	100133941	NM_013230	CD24
A_23_P379054	1,36055	1,99085	-1,547886834	ENST00000539749	149461	NM_148960	CLDN19
A_32_P832001	1,59079	2,22117	-1,54797267	ENST00000546238	731157	NR_105024	LOC731157
A_33_P3209522	12,2463	12,8768	-1,548101432	ENST00000299977	162394	NM_144975	SLFN5
A_22_P00015155	1,71341	2,34401	-1,548208742	N/A	N/A	N/A	Inc-SOD3-3
A_23_P152818	8,14418	8,7748	-1,548230204	ENST00000259021	11143	NM_007067	KAT7
A_23_P164228	12,9417	13,5724	-1,548316059	ENST00000393366	516	NM_005175	ATP5G1
A_22_P00005573	1,42124	2,05212	-1,548509249	N/A	N/A	N/A	Inc-EFCAB5-1
A_33_P3229221	4,96685	5,59805	-1,548852757	ENST00000373159	27095	N/A	TRAPPC3
A_23_P319549	1,65597	2,28725	-1,548938646	ENST00000533339	149465	NM_152498	CFAP57
A_23_P23502	3,28829	3,91963	-1,549003066	ENST00000335094	128372	NM_001005185	OR6N1

A_22_P00004203	1,60283	2,23422	-1,549056752	ENST00000527774	N/A	N/A	N/A
A_33_P3301034	4,76985	5,40125	-1,549067489	ENST00000560213	123355	NM_001284400	LRRC28
A_22_P00000450	5,86345	6,49492	-1,549142652	N/A	102724330	XR_428344	LOC102724330
A_23_P159650	14,5034	15,1349	-1,549174866	ENST00000373335	1349	NM_001866	COX7B
A_33_P3330443	2,36667	2,99835	-1,549368163	N/A	90362	NM_147189	FAM110B
A_33_P3397525	5,90898	6,54073	-1,549443341	ENST00000290167	54361	NM_030761	WNT4
A_23_P316085	1,53023	2,16203	-1,549497041	N/A	100507135	NR_045180	SPG20-AS1
A_33_P3797820	4,43864	5,07046	-1,549518522	ENST00000439559	102723652	XR_432607	LOC102723652
A_22_P00015037	1,60058	2,23241	-1,549529262	N/A	N/A	N/A	Inc-SMYD3-3
A_22_P00020247	1,37847	2,01035	-1,549582966	N/A	101927155	NR_120410	LMO7-AS1
A_23_P252764	6,15314	6,78506	-1,54962593	ENST00000423555	6595	NM_139045	SMARCA2
A_23_P345591	13,831	14,4631	-1,549819283	ENST00000457444	5683	NM_002787	PSMA2
A_24_P401990	7,49253	8,12478	-1,54998043	ENST00000485403	2068	NM_000400	ERCC2
A_21_P0008161	2,43675	3,06911	-1,550098614	N/A	N/A	N/A	Inc-SUCLA2-4
A_33_P3335975	1,48506	2,11742	-1,550098614	N/A	100128176	NR_038408	LOC100128176
A_21_P0011702	8,11421	8,74657	-1,550098614	N/A	N/A	N/A	XLOC_I2_006789
A_24_P408801	4,04683	4,67921	-1,550120103	ENST00000594901	100293516	U71363	ZNF587B
A_21_P0014426	5,05717	5,68963	-1,550206063	N/A	100506472	NR_040535	LOC100506472
A_23_P202894	1,44364	2,07628	-1,550399489	ENST00000527795	56	NM_001612	ACRV1
A_21_P0006399	1,63679	2,26945	-1,550420982	N/A	N/A	XM_006717352	Inc-QSOX2-1
A_21_P0014154	1,47458	2,10728	-1,550463969	N/A	N/A	N/A	N/A
A_22_P00025199	2,68728	3,32003	-1,550517705	ENST00000442864	N/A	N/A	N/A
A_23_P70547	4,37273	5,00556	-1,550603687	ENST00000375654	3305	NM_005527	HSPA1L
A_22_P00011051	3,95507	4,58796	-1,550668176	N/A	N/A	N/A	Inc-NTRK2-2
A_21_P0004543	1,50526	2,13816	-1,550678924	N/A	N/A	N/A	Inc-FAM153C-3
A_21_P0000751	5,38833	6,02132	-1,550775663	N/A	100507062	NR_038286	PSMD6-AS2
A_33_P3394252	1,44163	2,07476	-1,550926159	N/A	151050	NM_152519	KANSL1L
A_33_P3322383	1,64399	2,27714	-1,55094766	N/A	N/A	N/A	Inc-PAX9-2
A_22_P00005925	1,54796	2,1812	-1,551044416	N/A	100133311	NR_038831	HOXA-AS3
A_22_P00016207	1,37255	2,00579	-1,551044416	N/A	100996570	NR_110618	NFIA-AS2
A_23_P393620	11,4371	12,0705	-1,551216442	ENST00000222543	7980	NM_006528	TFPI2
A_22_P00016784	4,62605	5,25949	-1,551259451	N/A	101929099	NR_110786	LOC101929099
A_24_P258235	7,82406	8,45751	-1,551270204	ENST00000378397	26338	NM_001004739	OR5L2

A_21_P0001446	1,50777	2,1413	-1,551356227	N/A	N/A	N/A	Inc-EFCAB2-1
A_22_P00024208	1,39392	2,02748	-1,551388487	ENST00000453030	84253	XM_005252268	GARNL3
A_24_P169544	8,14285	8,77641	-1,551388487	ENST00000601808	7565	NM_006959	ZNF17
A_22_P00001296	3,55486	4,18854	-1,551517533	ENST00000534086	N/A	XM_001717040	N/A
A_23_P127584	5,25103	5,8849	-1,551721878	ENST00000299964	4837	NM_006169	NNMT
A_21_P0003462	1,42757	2,06154	-1,551829439	ENST00000508563	N/A	N/A	N/A
A_23_P50919	9,45991	10,0939	-1,551850952	ENST00000478966	5270	NM_006216	SERPINE2
A_24_P916496	10,0061	10,6403	-1,552076857	ENST00000413366	5578	NM_002737	PRKCA
A_23_P323143	8,16733	8,8016	-1,552152166	ENST00000472212	79970	NR_027788	ZNF767P
A_22_P00005494	1,9567	2,59097	-1,552152166	ENST00000434786	N/A	XR_109944	N/A
A_22_P00015972	4,66012	5,29449	-1,552259757	N/A	N/A	BX089002	Inc-TEKT5-2
A_24_P212811	3,49406	4,12848	-1,552313555	ENST00000606888	284615	NM_001039888	ANKRD34A
A_23_P110062	10,3691	11,0036	-1,552399636	ENST00000492226	8893	NM_003907	EIF2B5
A_22_P00010741	1,93021	2,56484	-1,552539528	ENST00000614283	N/A	EG327614	N/A
A_21_P0012236	7,74327	8,37791	-1,552550289	ENST00000620025	4763	NM_000267	NF1
A_22_P00015949	1,39636	2,03105	-1,552604097	ENST00000414201	N/A	AK097816	N/A
A_23_P138105	8,5962	9,23089	-1,552604097	ENST00000373842	54797	NM_017638	MED18
A_21_P0003141	1,64357	2,27854	-1,552905458	N/A	N/A	N/A	Inc-CBLB-1
A_23_P81690	15,3653	16,0003	-1,55293775	ENST00000459637	1347	NM_001865	COX7A2
A_23_P108699	2,37433	3,00937	-1,552980807	ENST00000304421	2492	NM_000145	FSHR
A_23_P70843	8,80057	9,43569	-1,553066925	ENST00000418040	669	NM_199186	BPGM
A_23_P142250	1,48574	2,12087	-1,55307769	ENST00000587772	11136	NM_014270	SLC7A9
A_21_P0002165	3,34177	3,97703	-1,553217643	N/A	101929643	XR_241266	LOC101929643
A_24_P182539	5,3474	5,98312	-1,553712962	ENST00000317868	84938	NM_032852	ATG4C
A_33_P3293114	12,5305	13,1664	-1,553906825	ENST00000395136	9295	NM_001190987	SRSF11
A_33_P3298413	12,2446	12,8807	-1,554122257	ENST00000304979	10465	NM_006347	PPIH
A_23_P86133	11,6285	12,2646	-1,554122257	ENST00000373912	6118	NM_002946	RPA2
A_33_P3329765	1,60225	2,23842	-1,554197666	ENST00000434611	N/A	N/A	N/A
A_22_P00003373	1,51983	2,15619	-1,554402364	ENST00000570408	N/A	BM711518	N/A
A_32_P438767	2,43249	3,06885	-1,554402364	ENST00000313341	63973	NM_024019	NEUROG2
A_22_P00004230	2,72307	3,35947	-1,554445462	ENST00000523042	101929628	N/A	LOC101929628
A_23_P142872	9,33331	9,96986	-1,554607089	ENST00000282111	83439	NM_031283	TCF7L1
A_21_P0014296	1,62788	2,26443	-1,554607089	N/A	N/A	AK125516	Inc-RP11-625H11.1.1-3

A_21_P0002356	2,90097	3,53756	-1,554650192	N/A	N/A	N/A	Inc-SLC4A3-4
A_21_P0008332	2,49819	3,13491	-1,554790287	N/A	N/A	N/A	Inc-FANCM-5
A_23_P50108	11,4768	12,1137	-1,554984285	ENST00000261597	10403	NM_006101	NDC80
A_33_P3805085	6,85554	7,49253	-1,555081293	ENST00000615660	96459	NM_133372	FNIP1
A_33_P3299892	16,2833	16,9203	-1,555092072	ENST00000496387	7388	NM_001297565	UQCRH
A_24_P68631	11,5476	12,1846	-1,555092072	ENST00000331128	317772	NM_175065	HIST2H2AB
A_22_P00016532	2,15016	2,78745	-1,555404696	N/A	N/A	BC034289	Inc-TMTC4-1
A_24_P284893	12,6267	13,264	-1,555415478	ENST00000373237	5690	NM_002794	PSMB2
A_24_P39101	8,73638	9,3738	-1,555544859	ENST00000228495	83892	NM_031954	KCTD10
A_23_P118095	5,7638	6,40139	-1,555728167	ENST00000268661	6123	NM_005061	RPL3L
A_33_P3264960	1,5658	2,20339	-1,555728167	N/A	N/A	N/A	N/A
A_33_P3216267	5,72264	6,36027	-1,555771302	ENST00000447359	N/A	N/A	N/A
A_33_P3289780	11,9858	12,6235	-1,55584679	ENST00000554880	9556	NM_001127393	C14orf2
A_23_P26674	11,3943	12,0321	-1,555954637	ENST00000552771	9665	NM_014647	KIAA0430
A_22_P00005639	3,38226	4,02012	-1,556019349	N/A	N/A	N/A	Inc-EIF2AK3-4
A_33_P3358856	12,2744	12,9123	-1,556062491	ENST00000494093	N/A	N/A	N/A
A_21_P0014617	1,36276	2,00073	-1,556137994	N/A	N/A	XR_133406	N/A
A_22_P00023389	1,48758	2,12567	-1,556267435	N/A	N/A	N/A	Inc-FAM114A1-1
A_24_P82957	10,3372	10,9754	-1,556386099	ENST00000622999	55905	NM_018683	RNF114
A_24_P695306	2,85107	3,48934	-1,556461617	ENST00000455783	730130	NM_001136002	TMEM229A
A_22_P00008853	3,42113	4,05943	-1,556493983	N/A	N/A	N/A	Inc-KLF9-2
A_33_P3407049	5,28017	5,91865	-1,556688194	N/A	N/A	N/A	N/A
A_22_P00006953	1,65696	2,29552	-1,556774517	N/A	N/A	AF075013	Inc-GCM1-1
A_33_P3374117	5,64091	6,2795	-1,55680689	ENST00000602586	101927507	XR_248745	LOC101927507
A_22_P00024433	6,12117	6,75979	-1,556839263	ENST00000462159	163786	NM_194292	SASS6
A_33_P3298539	4,86158	5,50048	-1,557141446	ENST00000236850	335	NM_000039	APOA1
A_23_P149678	11,5592	12,1982	-1,557249382	ENST00000393045	10401	NM_006099	PIAS3
A_19_P00320948	9,31566	9,95472	-1,557314148	ENST00000507992	285550	N/A	FAM200B
A_22_P00021304	1,68981	2,32891	-1,557357326	ENST00000533459	N/A	DA321576	N/A
A_22_P00012904	3,33314	3,97239	-1,557519256	N/A	102724438	XR_425572	LOC102724438
A_22_P00016266	2,76397	3,40333	-1,557638016	N/A	N/A	N/A	Inc-TMEM105-1
A_23_P44932	11,5629	12,2023	-1,557681203	ENST00000460851	83939	NM_032025	EIF2A
A_23_P163467	12,4406	13,0801	-1,557789177	ENST00000382688	388115	NM_207380	C15orf52

A_33_P3440636	5,7494	6,38896	-1,557853965	N/A	286071	AK091759	LOC286071
A_21_P0011986	2,60045	3,24002	-1,557864763	ENST00000608040	101927687	TCONS_I2_00015069	LOC101927687
A_24_P185158	9,4855	10,1251	-1,557897159	ENST00000309428	162427	NM_178126	FAM134C
A_33_P3344816	7,68235	8,32196	-1,557907957	ENST00000396403	126017	NM_001004301	ZNF813
A_23_P337689	1,37909	2,01878	-1,557994348	N/A	N/A	DQ289490	Inc-EIF3M-2
A_22_P00014964	1,92137	2,56114	-1,558080744	N/A	N/A	BI765200	Inc-SMAD5-2
A_23_P84836	10,8051	11,4449	-1,558113144	ENST00000322157	9520	NM_006310	NPEPPS
A_24_P103264	7,71135	8,35141	-1,55839397	ENST00000394511	7368	NM_003360	UGT8
A_33_P3321130	7,92253	8,56266	-1,558469585	ENST00000520482	22898	AK125506	DENND3
A_22_P00022592	1,41659	2,05716	-1,558944967	N/A	N/A	N/A	Inc-FKBP14-1
A_21_P0008666	2,39749	3,03816	-1,559053029	N/A	N/A	N/A	Inc-SH3GL3-1
A_23_P329890	9,29047	9,93124	-1,559161098	ENST00000314475	219902	NM_174926	TMEM136
A_22_P00023842	2,00328	2,6441	-1,559215135	ENST00000560590	N/A	N/A	N/A
A_23_P49429	11,2244	11,8653	-1,559301599	ENST00000405142	84309	NM_032349	NUDT16L1
A_22_P00023405	3,46769	4,1086	-1,559312407	ENST00000436885	N/A	N/A	N/A
A_33_P3399263	8,68861	9,32957	-1,55936645	ENST00000379972	3601	NM_001243539	IL15RA
A_33_P3268763	14,3508	14,9918	-1,559409685	ENST00000462940	83590	NM_031434	TMUB1
A_33_P3364571	2,87472	3,51584	-1,559539399	ENST00000548649	7148	NM_019105	TNXB
A_21_P0002182	4,08844	4,72967	-1,559658312	ENST00000607100	400946	N/A	LINC00954
A_23_P59798	13,3442	13,9858	-1,56005836	ENST00000475010	23608	NM_013446	MKRN1
A_33_P3866631	11,5337	12,1754	-1,560166499	N/A	26120	AL049980	DKFZP564C152
A_33_P3240182	3,58237	4,22412	-1,560220571	ENST00000390626	N/A	KJ424130	N/A
A_23_P432034	8,74946	9,3914	-1,560426063	ENST00000249064	150275	NM_173510	CCDC117
A_33_P3236563	6,78242	7,42441	-1,560480144	ENST00000616697	221	NM_001290058	ALDH3B1
A_24_P304071	7,69743	8,33943	-1,56049096	ENST00000611722	3433	NM_001547	IFIT2
A_21_P0014395	2,2783	2,92039	-1,560588312	N/A	N/A	N/A	Inc-ZNF100-2
A_24_P20630	6,60271	7,24526	-1,561085981	ENST00000503879	51176	NM_016269	LEF1
A_23_P11995	15,8303	16,4732	-1,561464749	ENST00000424390	5052	NM_002574	PRDX1
A_24_P255314	9,82554	10,4685	-1,56152969	ENST00000447193	N/A	N/A	N/A
A_33_P3245228	3,66306	4,3061	-1,561616282	ENST00000618484	51297	NM_130852	BPIFA1
A_23_P372925	9,72328	10,3664	-1,561702879	ENST00000361786	85457	NM_033426	CIPC
A_22_P00022881	1,78141	2,42482	-1,562016832	N/A	101926963	NR_110054	LOC101926963
A_23_P105409	4,71179	5,3552	-1,562016832	ENST00000552365	7786	NM_006301	MAP3K12

A_19_P00317628	2,0968	2,74041	-1,562233389	N/A	N/A	N/A	Inc-AC092031.1-1
A_22_P00008663	2,77811	3,42181	-1,562330849	ENST00000555713	N/A	DA126874	N/A
A_23_P10463	15,7305	16,3743	-1,562439145	ENST00000372969	4725	NM_004552	NDUFS5
A_21_P0008340	1,37057	2,0144	-1,562471636	N/A	N/A	N/A	Inc-C14orf101-1
A_24_P203056	9,32301	9,96685	-1,562482466	ENST00000538010	605	NM_020993	BCL7A
A_23_P138680	9,89482	10,5387	-1,562525788	ENST00000379972	3601	NM_172200	IL15RA
A_21_P0007539	3,58895	4,23284	-1,562536618	N/A	N/A	N/A	Inc-FGD4-1
A_23_P417282	11,3185	11,9624	-1,562547449	ENST00000268035	3480	NM_000875	IGF1R
A_21_P0004448	3,33501	3,979	-1,562644929	N/A	N/A	N/A	Inc-PFDN1-1
A_33_P3385387	12,1114	12,7555	-1,562764079	ENST00000478088	N/A	N/A	N/A
A_21_P0003881	1,49721	2,14142	-1,562883238	ENST00000503609	N/A	XR_249721	N/A
A_33_P3338788	2,86751	3,51176	-1,562926571	N/A	N/A	N/A	N/A
A_33_P3210516	6,00419	6,64847	-1,562959072	N/A	N/A	N/A	N/A
A_22_P00019417	2,23241	2,87671	-1,562980739	N/A	100874074	NR_046551	DLEU7-AS1
A_21_P0003964	1,95009	2,59444	-1,563034909	ENST00000500616	N/A	N/A	N/A
A_33_P3404959	8,6543	9,29869	-1,563078246	ENST00000306336	388969	NM_001013649	C2orf68
A_21_P0005539	4,81726	5,46169	-1,563121584	N/A	N/A	N/A	Inc-ACTR3C-2
A_23_P24586	9,20159	9,84636	-1,563490009	ENST00000263776	84680	NM_032592	ACCS
A_22_P00000747	2,27031	2,91515	-1,563565872	ENST00000436003	N/A	N/A	N/A
A_23_P363968	8,24667	8,89158	-1,563641738	ENST00000266542	51279	NM_016546	C1RL
A_23_P63402	9,90379	10,5487	-1,563641738	ENST00000264126	29899	NM_013296	GPSM2
A_33_P3345350	2,75498	3,39991	-1,563663415	ENST00000434016	644168	NM_001276451	DRGX
A_33_P3251492	7,31034	7,95534	-1,563739286	ENST00000522060	100133669	NR_026913	LOC100133669
A_21_P0011608	2,01386	2,65897	-1,56385852	N/A	N/A	N/A	XLOC_I2_006173
A_32_P129968	8,29989	8,94501	-1,56386936	ENST00000421176	342909	CR936662	ZNF284
A_21_P0014777	2,34011	2,98528	-1,56392356	N/A	N/A	N/A	N/A
A_21_P0004906	2,02684	2,67207	-1,563988603	N/A	N/A	N/A	Inc-AL079342.1-1
A_21_P0011324	2,82583	3,47108	-1,564010285	N/A	N/A	N/A	XLOC_I2_004640
A_23_P80342	7,67972	8,32508	-1,564129539	ENST00000216160	10454	NM_006116	TAB1
A_24_P390583	10,2511	10,8966	-1,564281331	ENST00000219689	57478	NM_020718	USP31
A_22_P00010375	3,46142	4,10715	-1,564530735	N/A	N/A	AF086004	Inc-MYH13-3
A_23_P218331	11,4485	12,0944	-1,564715102	ENST00000581573	1534	NM_001017916	CYB561
A_23_P96623	3,92284	4,56879	-1,564769332	ENST00000488220	2652	NM_000513	OPN1MW



A_21_P0001048	2,71648	3,36249	-1,56483441	ENST00000432488	104266961	N/A	LINC01221
A_33_P3347672	1,39377	2,03984	-1,564899491	ENST00000502301	645323	NR_015436	LINC00461
A_33_P3399560	6,74177	7,38784	-1,564899491	ENST00000440696	11020	NM_001177701	IFT27
A_22_P00001895	7,10407	7,75016	-1,564921185	N/A	100049716	NR_122124	LOC100049716
A_23_P63232	9,36158	10,0077	-1,564953727	ENST00000368603	148327	NM_130898	CREB3L4
A_23_P42684	1,72469	2,37106	-1,565224937	ENST00000311067	55025	XR_108766	FLJ20712
A_22_P00014006	3,82007	4,46646	-1,565246635	N/A	N/A	BE220423	Inc-RWDD2B-1
A_24_P225468	8,63254	9,27895	-1,565268334	ENST00000616917	81611	NM_030920	ANP32E
A_33_P3229370	1,4824	2,12883	-1,565290034	ENST00000378700	3400	NM_001546	ID4
A_23_P79134	7,26482	7,91135	-1,565398535	ENST00000436066	79156	NM_024310	PLEKHF1
A_23_P83838	2,45637	3,10297	-1,565474491	ENST00000317995	767	NM_004056	CA8
A_33_P3406072	3,9739	4,62057	-1,56555045	ENST00000304195	257019	NM_001244959	FRMD3
A_23_P18196	11,6255	12,2722	-1,565583005	ENST00000296273	5984	NM_002916	RFC4
A_24_P195669	3,74332	4,39016	-1,565734937	ENST00000581866	80022	AK074680	MYO15B
A_21_P0003613	2,78763	3,43464	-1,565919447	N/A	N/A	N/A	Inc-POLR2B-2
A_33_P3323760	9,22625	9,87334	-1,566006282	N/A	153684	NR_015447	LOC153684
A_24_P194000	12,9446	13,5917	-1,566017137	ENST00000392776	10055	NM_005500	SAE1
A_33_P3240867	1,66083	2,30797	-1,566060557	ENST00000335678	6011	NM_002929	GRK1
A_21_P0010637	7,14925	7,79644	-1,566114833	ENST00000452922	101928079	N/A	LINC01057
A_22_P00015781	4,94973	5,59701	-1,566212535	N/A	N/A	N/A	Inc-TAOK3-4
A_32_P71447	10,5989	11,2462	-1,566234248	ENST00000534548	23310	NM_015261	NCAPD3
A_23_P201264	7,87836	8,5259	-1,566494821	ENST00000377205	64802	NM_022787	NMNAT1
A_23_P394259	2,56099	3,20856	-1,566527396	N/A	4355	AL136554	MPP2
A_23_P312851	6,86983	7,51749	-1,566625124	ENST00000549564	6490	NM_006928	PMEL
A_33_P3220994	6,02735	6,67523	-1,56686404	N/A	N/A	N/A	N/A
A_21_P0004476	1,35463	2,00253	-1,566885762	ENST00000519603	N/A	N/A	N/A
A_33_P3283001	1,50476	2,1527	-1,566929206	ENST00000504077	728093	XR_425912	LOC728093
A_21_P0010244	3,95541	4,60338	-1,56696179	N/A	N/A	N/A	Inc-ETS2-4
A_33_P3311353	1,76287	2,41086	-1,566983512	ENST00000333756	256646	NM_175741	NUTM1
A_23_P118203	11,8469	12,4949	-1,566994374	ENST00000382280	124220	NM_145252	ZG16B
A_33_P3334225	13,043	13,691	-1,566994374	ENST00000619487	31	NM_198839	ACACA
A_33_P3285047	9,49415	10,1423	-1,567157306	ENST00000498240	7627	NM_001302109	ZNF75A
A_24_P405190	11,0275	11,6757	-1,567211621	ENST00000527390	23032	NM_201626	USP33

A_32_P119616	11,7264	12,3748	-1,567428897	ENST00000560044	2108	NM_000126	ETFA
A_33_P3232523	4,63429	5,28269	-1,567428897	ENST00000328429	80832	BC006276	APOL4
A_33_P3361102	1,80336	2,4518	-1,567472356	ENST00000303635	23261	NM_015215	CAMTA1
A_23_P8640	4,61351	5,26206	-1,567591875	ENST00000617001	2852	NM_001039966	GPER1
A_23_P310257	2,63615	3,28485	-1,567754869	ENST00000391810	3817	NM_001002231	KLK2
A_22_P00016934	1,61009	2,25886	-1,567830939	N/A	N/A	N/A	Inc-TSPAN32-1
A_22_P00017580	6,84708	7,49597	-1,567961353	N/A	N/A	N/A	Inc-WDR67-2
A_23_P89215	4,17228	4,82124	-1,568037432	ENST00000300784	64122	NM_022158	FN3K
A_33_P3298612	1,46767	2,11665	-1,56805917	N/A	N/A	N/A	N/A
A_24_P307724	2,1291	2,77811	-1,568091777	ENST00000507444	401172	NR_028351	FLJ33360
A_22_P00010019	1,71353	2,36262	-1,568178733	ENST00000573934	N/A	N/A	N/A
A_21_P0009108	1,61529	2,2648	-1,568635331	N/A	N/A	N/A	Inc-CDH5-3
A_21_P0009620	2,20923	2,85879	-1,568689696	ENST00000592801	497259	N/A	C18orf61
A_21_P0012238	7,20032	7,84994	-1,568754938	ENST00000454360	5290	NM_006218	PIK3CA
A_33_P3375809	5,53458	6,18422	-1,568776685	N/A	729970	NR_033998	LOC729970
A_23_P213620	5,47112	6,12077	-1,568787559	ENST00000504198	5521	NM_001271948	PPP2R2B
A_32_P55882	3,02614	3,67582	-1,568820182	N/A	N/A	CB242429	Inc-TBCC-1
A_23_P8400	10,6551	11,3048	-1,56884193	ENST00000485972	1020	NM_004935	CDK5
A_21_P0007153	5,23064	5,88038	-1,568885429	N/A	143666	N/A	LOC143666
A_22_P00012650	1,34151	1,99125	-1,568885429	N/A	N/A	N/A	Inc-PXDN-3
A_23_P416434	4,79724	5,44705	-1,568961553	ENST00000395003	23338	NM_015288	JADE2
A_24_P220485	11,615	12,265	-1,569168196	ENST00000373580	169611	NM_182487	OLFML2A
A_22_P00003128	1,93532	2,58536	-1,569211703	N/A	N/A	BX108194	Inc-C9orf131-1
A_33_P3252925	7,9709	8,62104	-1,569320476	ENST00000226319	79960	NM_001287439	JADE1
A_22_P00012106	1,70133	2,35151	-1,569363988	N/A	N/A	AK094048	Inc-PODN-1
A_21_P0004274	8,59703	9,24727	-1,569429257	N/A	N/A	N/A	Inc-RASA1-3
A_24_P358805	1,51058	2,16088	-1,569494529	ENST00000332904	92211	NM_001171971	CDHR1
A_23_P54556	10,4448	11,0951	-1,569494529	ENST00000318282	57496	NM_014048	MKL2
A_33_P3367481	9,56007	10,2104	-1,569527166	ENST00000614079	2909	NM_004491	ARHGAP35
A_22_P00005553	1,61877	2,26923	-1,569668601	N/A	102724901	XR_424396	LOC102724901
A_23_P131785	2,00297	2,65349	-1,569733883	ENST00000262865	671	NM_001725	BPI
A_24_P57730	9,47554	10,1261	-1,569777406	ENST00000355151	122704	NM_181304	MRPL52
A_33_P6811959	1,62421	2,2748	-1,569810049	ENST00000471357	339894	NR_034007	LINC00880

A_21_P0013637	4,42292	5,07362	-1,569929746	ENST00000402318	N/A	N/A	N/A
A_21_P0009797	6,37883	7,02953	-1,569929746	N/A	N/A	N/A	Inc-ZNF8-3
A_21_P0010990	2,77327	3,42409	-1,570060334	N/A	N/A	N/A	XLOC_I2_002433
A_33_P3403937	1,46795	2,11883	-1,570125633	N/A	100129399	AK124011	LOC100129399
A_23_P167227	12,747	13,3979	-1,570147399	ENST00000603302	3033	NM_005327	HADH
A_22_P00024487	1,64051	2,29143	-1,570169166	N/A	N/A	N/A	Inc-PNPLA3-1
A_33_P3269423	2,48486	3,13586	-1,570256237	ENST00000356049	400165	NM_207440	ATP11AUN
A_21_P0012993	7,07307	7,72412	-1,570310659	ENST00000447012	4671	N/A	NAIP
A_21_P0008780	1,46215	2,11327	-1,570386853	N/A	N/A	N/A	Inc-VPS33B-2
A_23_P47102	4,17813	4,82943	-1,570582797	ENST00000255082	91703	NM_080658	ACY3
A_32_P212058	3,95881	4,61029	-1,570778765	ENST00000409690	84984	NM_032898	CEP19
A_21_P0003085	3,43938	4,09095	-1,570876759	N/A	N/A	N/A	Inc-FAM43A-6
A_22_P00013776	4,31154	4,96317	-1,570942091	ENST00000530350	N/A	N/A	N/A
A_21_P0014522	5,58605	6,23793	-1,571214338	N/A	101927365	XR_245564	LOC101927365
A_23_P365725	1,34375	1,99575	-1,571345033	ENST00000302797	259249	NM_147199	MRGPRX1
A_33_P3891747	2,59484	3,24707	-1,571595563	N/A	284072	AK095403	LOC284072
A_32_P420009	9,23303	9,88529	-1,571628244	ENST00000318962	259173	NM_147129	ALS2CL
A_33_P3396326	2,95858	3,61107	-1,571878819	ENST00000614509	N/A	N/A	N/A
A_32_P180958	10,324	10,9766	-1,571998673	ENST00000433351	51449	NM_016297	PCYOX1
A_21_P0008611	1,6541	2,30674	-1,572042259	N/A	N/A	N/A	Inc-C15orf41-1
A_33_P3251989	9,17669	9,8294	-1,572118537	ENST00000486447	9419	NM_014171	CRIP1
A_22_P00015790	1,49143	2,14424	-1,572227511	N/A	N/A	N/A	Inc-TARBP1-5
A_24_P171268	8,6566	9,30951	-1,572336494	ENST00000577571	83593	NM_182663	RASSF5
A_19_P00802420	2,20164	2,85472	-1,572521781	N/A	N/A	N/A	Inc-CKAP2L-1
A_23_P37005	9,23049	9,88358	-1,572532681	ENST00000379477	9617	NM_004294	MTRF1
A_33_P3249072	4,64537	5,29847	-1,572543581	N/A	N/A	N/A	N/A
A_21_P0013924	13,5262	14,1793	-1,572543581	ENST00000434394	N/A	N/A	N/A
A_32_P98975	9,65413	10,3073	-1,572619883	ENST00000559103	90416	NM_052849	C15orf57
A_23_P109333	12,1149	12,7681	-1,572652585	ENST00000291577	8209	NM_004649	C21orf33
A_32_P59678	5,81654	6,46974	-1,572652585	ENST00000409192	340277	NM_001127364	FAM221A
A_22_P00020378	1,50043	2,15372	-1,572750695	ENST00000497397	N/A	AJ617578	N/A
A_33_P3272402	5,5052	6,1585	-1,572761597	ENST00000315906	161931	NM_139174	ADAD2
A_33_P3390570	11,4779	12,1313	-1,572870616	ENST00000389506	4297	NM_005933	KMT2A

A_33_P3404676	2,18889	2,84233	-1,572914226	ENST00000371958	154796	N/A	AMOT
A_33_P3335596	7,77176	8,42532	-1,573045063	ENST00000582725	79415	NM_001193653	C17orf62
A_33_P3407925	12,5331	13,1867	-1,573088677	ENST00000262291	81671	NM_030938	VMP1
A_22_P00016724	3,46817	4,12179	-1,573110485	N/A	N/A	N/A	Inc-TRAPPC8-2
A_23_P332374	7,26419	7,91786	-1,573165006	ENST00000262259	7728	NM_007147	ZNF175
A_22_P00006819	3,28794	3,94161	-1,573165006	ENST00000557523	503519	NR_038852	LINC00929
A_22_P00007951	1,67163	2,32531	-1,57317591	N/A	100505921	NR_110018	LOC100505921
A_23_P204913	1,39187	2,04559	-1,573219529	ENST00000255324	56163	NM_031277	RNF17
A_24_P318073	8,75811	9,41209	-1,573503077	ENST00000526942	84881	NM_032795	RPUSD4
A_23_P204879	6,53924	7,19327	-1,573557612	ENST00000410043	81617	NM_030925	CAB39L
A_22_P00025774	1,47573	2,12982	-1,573623055	ENST00000476987	N/A	N/A	N/A
A_33_P3371727	6,30956	6,96368	-1,573655778	ENST00000379253	6303	AK310078	SAT1
A_22_P00016690	1,84034	2,49461	-1,573819403	N/A	N/A	N/A	Inc-TPSG1-2
A_33_P3232277	7,75016	8,40444	-1,573830312	ENST00000511490	900	NM_004060	CCNG1
A_22_P00008823	1,89871	2,55308	-1,573928496	ENST00000453688	N/A	N/A	N/A
A_23_P23048	11,65	12,3044	-1,573961225	ENST00000368738	6280	NM_002965	S100A9
A_21_P0013929	2,07575	2,73024	-1,574059417	ENST00000423292	N/A	AK128390	N/A
A_33_P3724157	3,93527	4,58978	-1,574081238	ENST00000614504	91319	NM_198440	DERL3
A_33_P3244808	7,39265	8,04722	-1,574146704	ENST00000372207	266675	NM_153274	BEST4
A_23_P23102	7,79974	8,45437	-1,574212172	ENST00000361328	7579	NM_145238	ZSCAN20
A_22_P00018420	2,37456	3,02929	-1,574321292	ENST00000427804	N/A	BM729034	N/A
A_33_P3236297	1,51248	2,16724	-1,574354029	ENST00000307378	6579	NM_134431	SLCO1A2
A_23_P14035	1,56142	2,21619	-1,574364942	ENST00000228850	10566	NM_006422	AKAP3
A_23_P32135	8,73381	9,38863	-1,574419506	ENST00000350499	11092	NM_018956	C9orf9
A_21_P0009060	1,40086	2,05569	-1,574430419	ENST00000568137	101928035	NR_104657	LOC101928035
A_22_P00006134	2,32542	2,98033	-1,574517727	N/A	N/A	N/A	Inc-FAM182A-3
A_22_P00012764	4,48953	5,14447	-1,574550468	ENST00000451160	58499	NM_021224	ZNF462
A_33_P3247022	7,98633	8,64134	-1,574626868	ENST00000308108	9134	NM_057749	CCNE2
A_33_P3361891	5,87683	6,53185	-1,574637782	ENST00000419127	344805	NM_001042575	TMPRSS7
A_23_P111188	6,19609	6,85121	-1,574746931	ENST00000383196	9278	NM_005453	ZBTB22
A_24_P337397	8,96814	9,62332	-1,574812425	ENST00000515249	57763	NM_023039	ANKRA2
A_33_P3301129	1,35956	2,01497	-1,575063507	N/A	N/A	N/A	N/A
A_23_P83328	4,00337	4,65886	-1,57515085	ENST00000480266	2022	NM_000118	ENG

A_21_P0008324	5,96865	6,62422	-1,575238197	N/A	N/A	N/A	Inc-MIPOL1-4
A_33_P3220207	1,77609	2,4319	-1,575500268	ENST00000376528	219681	NM_001282746	ARMC3
A_24_P346855	7,57056	8,22645	-1,575587635	ENST00000617118	4288	NM_002417	MKI67
A_24_P262407	6,94278	7,59867	-1,575587635	ENST00000546243	7067	NM_199334	THRA
A_24_P349151	6,45103	7,10695	-1,575620399	ENST00000462159	163786	NM_194292	SASS6
A_33_P3629151	3,31194	3,96789	-1,575653163	N/A	94151	AI150443	CDRT8
A_33_P3304878	3,94067	4,59666	-1,57569685	ENST00000374161	57705	NM_020945	WDFY4
A_33_P3228102	8,10132	8,75739	-1,575784228	ENST00000383282	27031	NM_153240	NPHP3
A_22_P00000121	1,75731	2,41346	-1,57587161	N/A	N/A	AK090747	Inc-NGDN-1
A_21_P0014784	2,17049	2,82677	-1,576013617	ENST00000456856	N/A	N/A	N/A
A_22_P00016937	3,06669	3,72307	-1,576122862	N/A	N/A	CN275044	Inc-TSPAN5-2
A_22_P00018170	3,15329	3,80976	-1,576221189	N/A	N/A	N/A	Inc-ZNF585B-1
A_22_P00013696	1,4781	2,13459	-1,57624304	N/A	N/A	BG207842	Inc-RP11-763F8.1.1-1
A_33_P3264394	3,72583	4,38239	-1,576319521	ENST00000583693	79058	AK127311	ASPSCR1
A_23_P70445	11,4213	12,0779	-1,576363227	ENST00000614911	8353	NM_003532	HIST1H3E
A_21_P0014795	1,68934	2,34599	-1,57641786	N/A	100652749	NR_102753	SPATA8-AS1
A_21_P0006019	2,26288	2,91981	-1,576723843	ENST00000423681	101927358	N/A	LOC101927358
A_21_P0011290	1,69824	2,3552	-1,576756631	N/A	N/A	N/A	XLOC_I2_004563
A_21_P0011084	7,59691	8,25388	-1,57676756	N/A	N/A	N/A	XLOC_I2_003293
A_19_P00808588	4,43355	5,0906	-1,576854997	ENST00000513638	400759	N/A	GBP1P1
A_33_P3355230	4,98673	5,64389	-1,576975231	ENST00000620403	3903	NM_002287	LAIR1
A_33_P3378047	8,52178	9,17894	-1,576975231	ENST00000428443	91404	NM_178123	SESTD1
A_23_P412562	4,21506	4,87228	-1,577040816	ENST00000369718	128346	NM_174896	C1orf162
A_23_P333057	2,58676	3,24407	-1,5771392	N/A	154089	N/A	LINC01312
A_24_P516246	1,64582	2,30319	-1,577204793	ENST00000515617	440101	NR_026655	FLJ12825
A_33_P3315979	2,53731	3,19478	-1,577314121	ENST00000331723	441669	NM_172194	OR4Q3
A_24_P944616	13,2049	13,8625	-1,577456257	ENST00000375003	50809	NM_016287	HP1BP3
A_22_P00002578	2,72677	3,38444	-1,577532798	ENST00000590604	N/A	N/A	N/A
A_33_P3280666	6,81511	7,47287	-1,577631213	ENST00000396103	112885	NM_138415	PHF21B
A_23_P9280	8,43095	9,08878	-1,577707762	ENST00000376347	389765	NR_029410	LOC389765
A_23_P34209	2,03192	2,68992	-1,577893682	ENST00000400581	83863	NR_001541	TTY5
A_23_P74737	4,24824	4,9063	-1,577959306	ENST00000495923	2140	NM_001990	EYA3
A_33_P3350673	5,61165	6,26988	-1,578145256	ENST00000381260	84525	NM_001145460	HOPX

A_33_P3303259	8,59454	9,25277	-1,578145256	ENST00000446672	143	N/A	PARP4
A_23_P121665	1,50008	2,15838	-1,57822183	ENST00000507866	57537	NM_020777	SORCS2
A_23_P153692	12,2859	12,9446	-1,578659466	ENST00000262887	7515	NM_006297	XRCC1
A_24_P237878	10,9484	11,6071	-1,578659466	ENST00000574190	348262	NM_207368	FAM195B
A_33_P3239287	11,6908	12,3495	-1,578659466	ENST00000330494	1107	NM_001005271	CHD3
A_21_P0008594	2,19082	2,84954	-1,578681351	ENST00000565893	N/A	N/A	N/A
A_33_P3416142	4,25778	4,91651	-1,578692294	ENST00000436880	100131234	N/A	MIR181A1HG
A_21_P0010485	4,13035	4,7891	-1,578714179	ENST00000376800	10255	N/A	HCG9
A_23_P113283	4,69177	5,35056	-1,578757951	ENST00000432729	64393	NM_022470	ZMAT3
A_33_P3404641	4,87352	5,53252	-1,578987773	N/A	150381	NR_027034	PRR34-AS1
A_33_P3404418	8,36477	9,02381	-1,579031553	ENST00000495230	9064	NM_004672	MAP3K6
A_33_P6470820	1,3756	2,03474	-1,579141007	ENST00000443154	101928597	NR_110091	LOC101928597
A_33_P3382100	2,4752	3,13435	-1,579151953	ENST00000437879	91156	NM_001164586	IGFN1
A_23_P24884	10,0545	10,7137	-1,579206683	ENST00000357665	6764	NM_005418	ST5
A_23_P96331	4,6101	5,26931	-1,579217629	ENST00000376701	7454	NM_000377	WAS
A_33_P3392330	5,23126	5,89049	-1,579239522	ENST00000372875	51117	AK301333	COQ4
A_24_P120934	2,9551	3,61442	-1,579338043	ENST00000494726	10912	NM_006705	GADD45G
A_33_P3280845	2,38865	3,04809	-1,579469414	ENST00000284240	7070	NM_006288	THY1
A_21_P0000732	10,1248	10,7843	-1,579535104	N/A	100507567	NR_038237	RAB11B-AS1
A_21_P0007885	3,38662	4,04613	-1,579546052	ENST00000549004	643770	NR_038383	LOC643770
A_23_P113656	3,8115	4,47132	-1,579885495	ENST00000264071	10382	NM_006087	TUBB4A
A_33_P3315949	7,00291	7,66277	-1,579929299	ENST00000410006	388389	NM_001258397	CCDC103
A_23_P142022	9,96798	10,6279	-1,579995008	ENST00000498612	26121	NM_015629	PRPF31
A_22_P00007734	5,52313	6,18307	-1,580016911	ENST00000534551	55823	NM_001290185	VPS11
A_22_P00001651	1,47857	2,13855	-1,580060719	N/A	102723335	XR_429626	LOC102723335
A_21_P0011200	2,96962	3,6299	-1,580389318	N/A	N/A	N/A	Inc-NUPL1-2
A_33_P3212027	6,23454	6,89483	-1,580400272	ENST00000379550	1998	NM_201999	ELF2
A_33_P3374365	12,0717	12,732	-1,580411227	N/A	N/A	N/A	N/A
A_21_P0000578	1,72094	2,38126	-1,580433136	N/A	100132163	NR_029379	PHKA2-AS1
A_33_P3428984	1,65292	2,31355	-1,580772769	N/A	728445	CD243366	LOC728445
A_33_P3215611	2,20904	2,86971	-1,580816598	N/A	N/A	N/A	N/A
A_21_P0013803	1,61076	2,27145	-1,580838513	N/A	N/A	N/A	XLOC_I2_015659
A_33_P3342528	7,74736	8,4081	-1,580893302	ENST00000305097	5028	NM_002563	P2RY1

A_33_P3783812	7,28299	7,94395	-1,581134394	N/A	619426	AK022255	C8orf60
A_23_P374902	4,27045	4,93155	-1,581287836	ENST00000601435	125875	NM_152353	CLDND2
A_33_P3851788	6,13564	6,79689	-1,581452254	N/A	148046	NR_027271	CIRBP-AS1
A_22_P00013399	1,44533	2,10664	-1,581518026	ENST00000557729	N/A	N/A	N/A
A_22_P00007749	1,74202	2,40338	-1,581572839	N/A	N/A	BG182298	Inc-HMGB2-1
A_33_P3352073	1,3768	2,03821	-1,581627653	N/A	401093	NR_027038	MBNL1-AS1
A_33_P3387621	12,6919	13,3534	-1,581726323	ENST00000544458	85415	NM_033103	RHPN2
A_33_P3256532	7,65691	8,31841	-1,581726323	ENST00000617438	84060	NM_032120	RBM48
A_33_P3217238	11,4381	12,0998	-1,581945612	ENST00000287394	29028	NM_014109	ATAD2
A_33_P3406702	14,293	14,9547	-1,581945612	N/A	N/A	N/A	N/A
A_21_P0005516	1,70589	2,3676	-1,581956577	ENST00000616956	100506136	NR_038948	LOC100506136
A_21_P0004254	3,65078	4,31269	-1,582175898	N/A	N/A	N/A	Inc-GPBP1-3
A_23_P166910	10,811	11,473	-1,582274602	ENST00000509279	23317	NM_015268	DNAJC13
A_24_P116242	11,9434	12,6054	-1,582274602	ENST00000553579	23588	NM_014315	KLHDC2
A_32_P80245	1,42852	2,09056	-1,582318473	ENST00000376881	346171	NM_001109809	ZFP57
A_32_P96692	6,11827	6,78036	-1,582373313	N/A	5429	NM_006502	POLH
A_24_P314931	7,26862	7,93092	-1,582603661	ENST00000383611	80352	NM_025236	RNF39
A_22_P00024163	2,42645	3,08878	-1,582636571	ENST00000557474	N/A	DA933438	N/A
A_23_P322	9,53309	10,1955	-1,582724333	ENST00000359751	1945	NM_182690	EFNA4
A_21_P0014840	1,7123	2,37474	-1,582757246	N/A	100507630	AF119861	LOC100507630
A_32_P41375	10,5483	11,2108	-1,582823072	N/A	402483	N/A	LINC01000
A_22_P00007712	3,76449	4,42727	-1,583130298	ENST00000463275	10255	NR_028032	HCG9
A_23_P259090	7,46018	8,12305	-1,583229062	ENST00000230792	83594	NM_031438	NUDT12
A_23_P36484	4,48209	5,14499	-1,583261985	ENST00000360752	8608	NM_003708	RDH16
A_33_P3264815	10,3728	11,0357	-1,583261985	ENST00000561311	83660	NM_015059	TLN2
A_33_P3297305	5,13161	5,79458	-1,583338807	ENST00000409890	84173	NM_032213	ELMOD3
A_24_P148450	10,9371	11,6001	-1,583371732	ENST00000602479	10477	NM_006357	UBE2E3
A_32_P51787	3,84892	4,51209	-1,583558319	ENST00000312918	N/A	N/A	N/A
A_24_P262201	13,4439	14,1071	-1,583591249	ENST00000569544	445329	NM_001017390	SULT1A4
A_22_P00001430	3,38856	4,05183	-1,583668087	ENST00000567376	N/A	N/A	N/A
A_21_P0001286	1,43444	2,09778	-1,583744929	N/A	N/A	N/A	Inc-UTP11L-3
A_23_P1387	6,81444	7,47809	-1,584085274	ENST00000487035	84986	NM_032900	ARHGAP19
A_22_P00014797	2,54874	3,21243	-1,584129195	ENST00000579631	N/A	N/A	N/A

A_22_P00001124	4,25501	4,91872	-1,584151155	N/A	N/A	N/A	Inc-ALX3-2
A_21_P0010711	1,75595	2,41966	-1,584151155	N/A	N/A	N/A	Inc-PRMT6-1
A_23_P348767	1,6081	2,27218	-1,584557486	ENST00000400440	140699	NM_213631	MROH8
A_33_P3422103	1,453	2,1172	-1,584689291	N/A	N/A	N/A	N/A
A_22_P00015088	2,76987	3,43408	-1,584700275	N/A	N/A	AF400489	Inc-SNURF-3
A_33_P3246804	11,0069	11,6712	-1,584799137	ENST00000394250	10948	NM_001165937	STARD3
A_33_P3257150	12,1429	12,8072	-1,584799137	ENST00000400259	998	NM_001039802	CDC42
A_22_P00007603	3,84828	4,51259	-1,584810122	N/A	101928246	XR_247296	LOC101928246
A_33_P3295200	1,62363	2,28802	-1,584898005	ENST00000222115	3036	NM_001523	HAS1
A_33_P3383796	3,09981	3,76423	-1,584930963	ENST00000596005	401647	NM_001010917	GOLGA7B
A_22_P00001537	2,22117	2,88578	-1,585139709	N/A	N/A	AK127010	Inc-ARHGEF10L-1
A_33_P3480395	2,82564	3,49027	-1,585161683	ENST00000360835	80274	AK055463	SCUBE1
A_19_P00804049	5,22677	5,89141	-1,585172671	N/A	401320	NR_038889	LOC401320
A_33_P3293432	8,40406	9,0688	-1,585282551	ENST00000584306	374819	NM_199340	LRRRC37A3
A_21_P0011598	4,58819	5,25295	-1,585304527	ENST00000590744	N/A	XR_430004	N/A
A_33_P3235568	12,1683	12,8333	-1,585568273	ENST00000375142	832	NM_001206541	CAPZB
A_22_P00002524	5,06284	5,72785	-1,585579264	N/A	N/A	N/A	Inc-C17orf46-1
A_21_P0007846	1,43104	2,09622	-1,585766111	N/A	N/A	N/A	Inc-NEDD1-5
A_23_P332960	10,7561	11,4213	-1,585788095	ENST00000492023	283232	NM_001042463	TMEM80
A_23_P424712	8,87452	9,5398	-1,585876032	ENST00000393965	84865	NM_032779	CCDC142
A_23_P25935	10,2435	10,9088	-1,585898017	ENST00000256319	11161	NM_007176	C14orf1
A_24_P156113	13,0984	13,7638	-1,586007947	ENST00000263277	30846	NM_014601	EHD2
A_21_P0014632	4,79909	5,46453	-1,586051921	N/A	101928979	XR_426812	LOC101928979
A_23_P157569	8,30158	8,9671	-1,586139873	ENST00000496501	137872	NM_144650	ADHFE1
A_23_P75622	16,1827	16,8483	-1,58622783	ENST00000529770	10632	NM_006476	ATP5L
A_22_P00016875	4,3552	5,02085	-1,586282805	N/A	N/A	N/A	Inc-TSC2-1
A_22_P00000930	1,36465	2,03044	-1,586436746	N/A	N/A	BI828415	Inc-AKIP1-2
A_23_P55011	12,8437	13,5095	-1,586447743	ENST00000539643	124565	NM_001037984	SLC38A10
A_24_P236251	1,83397	2,49978	-1,586458739	ENST00000331224	8788	NM_003836	DLK1
A_32_P8813	6,99733	7,66316	-1,586480732	ENST00000502027	283663	NR_024433	LINC00926
A_23_P218784	10,8721	11,5382	-1,58677767	ENST00000432525	10521	NM_006386	DDX17
A_33_P3256063	1,43831	2,10442	-1,586788668	ENST00000378653	645090	N/A	CXorf30
A_22_P00013592	3,46477	4,13101	-1,586931659	ENST00000511731	402160	NM_001193282	CFAP99



A_21_P0003832	2,06023	2,7266	-1,587074662	N/A	N/A	N/A	Inc-PDGFRA-1
A_33_P3305521	6,45652	7,12292	-1,587107665	ENST00000587084	22847	AB029007	ZNF507
A_21_P0007182	1,34994	2,01636	-1,587129667	N/A	N/A	N/A	Inc-NUCB2-2
A_33_P3337584	1,80002	2,46646	-1,58715167	N/A	283482	XR_247950	LOC283482
A_21_P0010634	1,52407	2,19053	-1,587173672	N/A	N/A	N/A	XLOC_I2_001011
A_23_P215154	10,5756	11,2421	-1,587217679	ENST00000568733	51667	NM_016118	NUB1
A_33_P3342830	2,43371	3,10029	-1,587305695	ENST00000357084	487	NM_173201	ATP2A1
A_33_P3419369	1,57319	2,23987	-1,587415723	ENST00000514823	285419	AL833449	LINC01091
A_33_P3221448	9,53589	10,2026	-1,587448732	ENST00000263095	9422	NM_003417	ZNF264
A_22_P00011372	8,87592	9,54271	-1,587536762	ENST00000460407	N/A	AK026659	N/A
A_22_P00019045	5,63596	6,30276	-1,587547766	N/A	100379345	NR_038975	MIR181A2HG
A_23_P54758	10,4111	11,0779	-1,587547766	ENST00000564172	51573	NM_016641	GDE1
A_23_P67198	8,40041	9,06725	-1,587591783	ENST00000596224	27151	NM_015692	CPAMD8
A_22_P00015685	6,10679	6,77368	-1,587646805	N/A	N/A	N/A	Inc-SYNC-2
A_22_P00019721	1,69608	2,36304	-1,58772384	ENST00000509058	N/A	N/A	N/A
A_23_P99044	2,88053	3,54763	-1,587877921	ENST00000267119	112802	NM_033448	KRT71
A_21_P0005695	3,97618	4,64334	-1,587943961	N/A	N/A	N/A	Inc-C8orf22-2
A_33_P3223713	10,678	11,3453	-1,588098063	ENST00000602762	10477	NM_006357	UBE2E3
A_23_P376372	6,44824	7,11554	-1,588098063	ENST00000299952	91862	NM_001017967	MARVELD3
A_32_P79591	4,03045	4,69779	-1,588142095	ENST00000396424	79788	NM_024733	ZNF665
A_33_P3209361	5,18207	5,84955	-1,588296217	ENST00000409873	100130015	NR_027335	URAHP
A_23_P115064	12,6089	13,2764	-1,588318236	ENST00000368221	1382	NM_001878	CRABP2
A_33_P3413987	4,38565	5,05327	-1,588450354	ENST00000278407	710	NM_000062	SERPING1
A_33_P3772150	2,26665	2,93444	-1,58863754	ENST00000381312	105	NM_018702	ADARB2
A_21_P0007060	1,34269	2,01056	-1,588725635	N/A	N/A	N/A	Inc-MTRNR2L5-3
A_24_P113824	10,8506	11,5185	-1,588758672	ENST00000374358	23585	NM_014313	TMEM50A
A_33_P3221723	1,63131	2,2993	-1,588857787	ENST00000547225	25834	NM_013244	MGAT4C
A_21_P0006177	1,64566	2,3137	-1,588912854	N/A	N/A	N/A	Inc-GADD45G-5
A_22_P00019468	4,33021	4,99829	-1,588956908	N/A	N/A	N/A	Inc-MIXL1-2
A_33_P3216913	7,06522	7,73348	-1,589155169	ENST00000307201	116236	NM_198147	ABHD15
A_23_P845	8,97478	9,64307	-1,589188215	ENST00000367988	84134	NM_032174	TOMM40L
A_21_P0010642	4,37581	5,04416	-1,589254309	ENST00000430316	101929023	NR_125973	LOC101929023
A_24_P941012	1,3624	2,03086	-1,589375488	N/A	N/A	N/A	Inc-ABHD12B-2

A_24_P222835	8,2318	8,90026	-1,589375488	ENST00000531123	64766	NM_022753	S100PBP
A_19_P00809030	1,68648	2,35501	-1,589452607	ENST00000428651	101929378	NR_110250	LOC101929378
A_21_P0003153	1,55624	2,22489	-1,589584819	N/A	N/A	N/A	Inc-CBLB-7
A_24_P643587	5,95109	6,61978	-1,589628893	ENST00000536549	140461	NM_024095	ASB8
A_24_P941787	10,1388	10,8075	-1,589639911	ENST00000480058	8899	NM_003913	PRPF4B
A_23_P164047	8,06094	8,72989	-1,589915399	ENST00000262065	23531	NM_012329	MMD
A_24_P295245	11,8524	12,5216	-1,590190934	ENST00000517928	444	NM_032467	ASPH
A_21_P0013933	1,63096	2,30026	-1,590301161	N/A	100287294	XM_002342726	LOC100287294
A_33_P3242373	6,34379	7,01312	-1,590334231	ENST00000503369	4299	NM_005935	AFF1
A_21_P0003311	4,08546	4,75483	-1,590378325	N/A	N/A	N/A	Inc-LSG1-1
A_33_P3296846	13,2012	13,8706	-1,590411396	ENST00000518413	56649	NM_001290094	TMPRSS4
A_21_P0002314	1,63655	2,30632	-1,590819333	N/A	285141	N/A	ERICH2
A_33_P3277259	8,69726	9,36704	-1,59083036	ENST00000538936	5833	NM_001282203	PCYT2
A_33_P3268652	1,63908	2,30888	-1,590852413	N/A	N/A	N/A	N/A
A_33_P3231065	2,33506	3,00486	-1,590852413	N/A	N/A	N/A	N/A
A_23_P501372	9,16976	9,83956	-1,590852413	ENST00000395704	125170	NM_139162	MIEF2
A_33_P3406686	5,03523	5,70517	-1,591006798	ENST00000434055	1639	NR_033935	DCTN1
A_21_P0014102	6,54403	7,21418	-1,591238403	N/A	643072	NR_110587	LOC643072
A_21_P0009354	1,81266	2,48283	-1,591260463	N/A	N/A	N/A	Inc-ABCA5-4
A_33_P3286302	7,3369	8,00715	-1,591348703	ENST00000463835	8764	XR_426638	TNFRSF14
A_23_P217098	9,77083	10,4414	-1,591701715	ENST00000376636	23230	NM_033305	VPS13A
A_23_P110837	1,37992	2,05049	-1,591701715	ENST00000505790	50805	NM_016358	IRX4
A_33_P3259293	3,01729	3,68801	-1,591867216	ENST00000493423	84255	AK131347	SLC37A3
A_24_P281908	1,75845	2,4292	-1,591900318	ENST00000261726	23316	NM_015267	CUX2
A_21_P0000789	2,12743	2,79819	-1,591911353	N/A	100507423	NR_038403	MKNK1-AS1
A_33_P3419632	3,11682	3,78762	-1,59195549	ENST00000389887	112937	BC011001	GLB1L3
A_21_P0001362	1,45325	2,1241	-1,592010664	N/A	N/A	N/A	Inc-SARS-1
A_21_P0000397	7,83106	8,50224	-1,59237486	N/A	677765	NR_003139	SCARNA18
A_23_P78014	9,26818	9,9394	-1,592419011	ENST00000588870	27175	NM_016437	TUBG2
A_21_P0007027	3,69214	4,3634	-1,592463163	N/A	N/A	N/A	Inc-C10orf120-1
A_23_P250156	11,3375	12,0088	-1,592507316	ENST00000346192	10644	NM_006548	IGF2BP2
A_23_P42664	14,6794	15,3508	-1,592617704	ENST00000482389	7979	NM_006304	SHFM1
A_23_P58912	8,1245	8,79592	-1,592639782	ENST00000464978	10559	NM_006416	SLC35A1

A_22_P00005289	2,28912	2,96057	-1,592672901	N/A	415056	NR_024369	CNTFR-AS1
A_23_P252100	4,72852	5,39997	-1,592672901	ENST00000247883	54429	NM_018980	TAS2R5
A_33_P3349145	6,89276	7,56425	-1,592717059	ENST00000439248	25809	NM_012263	TLL1
A_21_P0002218	1,62569	2,29731	-1,592860584	ENST00000496970	400954	N/A	EML6
A_24_P214231	5,96673	6,63845	-1,592970997	ENST00000371877	6491	NM_001048166	STIL
A_33_P3354429	1,74653	2,4183	-1,593026206	ENST00000383763	131405	NM_001039111	TRIM71
A_24_P394533	11,2776	11,9494	-1,593059332	ENST00000477637	4758	NM_000434	NEU1
A_24_P97001	9,25575	9,92757	-1,593081417	ENST00000257181	84950	NM_032864	PRPF38A
A_33_P3405429	1,78802	2,45985	-1,593092459	ENST00000473325	127731	AK125833	VWA5B1
A_22_P00009846	1,7075	2,37934	-1,593103502	N/A	N/A	N/A	Inc-METTL15-4
A_23_P38813	7,55747	8,22935	-1,593147673	ENST00000595635	162967	NM_207333	ZNF320
A_22_P00018073	4,86378	5,53573	-1,593224975	N/A	N/A	N/A	Inc-ZNF33A-2
A_21_P0014823	3,57681	4,24878	-1,593247062	N/A	100287160	BC130650	LOC100287160
A_22_P00021032	2,5507	3,22269	-1,593269149	ENST00000536217	N/A	N/A	N/A
A_23_P70328	8,62167	9,29369	-1,59330228	ENST00000335783	55166	NM_018132	CENPQ
A_33_P3771899	2,91981	3,59186	-1,593335412	N/A	N/A	BQ278507	N/A
A_33_P3277688	2,76574	3,43782	-1,593368545	N/A	N/A	AK125484	Inc-KLHL36-1
A_24_P166661	10,1251	10,7972	-1,593390634	ENST00000257663	85025	NM_032936	TMEM60
A_23_P158880	10,2139	10,8862	-1,59361154	ENST00000325346	80765	NM_181900	STARD5
A_23_P68486	12,2731	12,9454	-1,59361154	ENST00000371384	116151	NM_080821	FAM210B
A_33_P3307408	1,68117	2,35349	-1,593633633	N/A	N/A	N/A	N/A
A_22_P00012563	1,41109	2,08346	-1,593688865	ENST00000525381	N/A	N/A	N/A
A_33_P3379939	14,1565	14,829	-1,593832477	ENST00000383620	3134	NM_018950	HLA-F
A_23_P382835	6,76247	7,43498	-1,593843525	ENST00000305097	5028	NM_002563	P2RY1
A_19_P00320543	1,99885	2,67146	-1,593954005	ENST00000592411	162655	NR_033354	ZNF519
A_21_P0000055	8,68422	9,35705	-1,59419709	ENST00000500576	57128	NM_001164840	LYRM4
A_19_P00317053	6,55013	7,22298	-1,59421919	N/A	N/A	N/A	Inc-HDAC2-2
A_33_P3384578	2,29266	2,96553	-1,594241291	ENST00000367638	400798	N/A	C1orf220
A_33_P3272412	4,17017	4,84305	-1,594252341	N/A	645566	AK127393	FLJ45482
A_22_P00024796	2,10654	2,77945	-1,594285493	N/A	N/A	N/A	Inc-MAFF-1
A_21_P0009053	2,09688	2,76987	-1,594373902	N/A	N/A	N/A	Inc-ZNF23-2
A_21_P0013813	6,71185	7,38494	-1,594484419	N/A	N/A	N/A	XLOC_I2_015716
A_23_P130488	8,10019	8,7733	-1,594506523	ENST00000587376	2068	NM_000400	ERCC2

A_21_P0007028	2,01612	2,68928	-1,594561786	N/A	N/A	N/A	Inc-CPXM2-1
A_23_P74449	11,5194	12,1926	-1,594605997	ENST00000334815	84842	NM_032756	HPDL
A_22_P00016249	3,15267	3,82593	-1,594672316	N/A	N/A	CA431762	Inc-TMCO3-2
A_22_P00021967	2,7888	3,46225	-1,594882345	ENST00000558245	N/A	N/A	N/A
A_24_P110799	10,3368	11,0103	-1,594937621	ENST00000474319	4047	NM_002340	LSS
A_23_P382705	7,84024	8,51385	-1,595059233	ENST00000321196	160335	NM_152588	TMTC2
A_32_P58937	8,3087	8,98232	-1,595070289	ENST00000415868	54799	NM_017643	MBTD1
A_22_P00005895	2,55373	3,22747	-1,595202969	ENST00000540994	N/A	AK094733	N/A
A_21_P0010998	4,91842	5,5922	-1,595247198	ENST00000527511	283140	N/A	LOC283140
A_23_P56567	10,5401	11,2139	-1,595269313	ENST00000281950	79833	NM_024775	GEMIN6
A_23_P217778	8,23266	8,90649	-1,595302486	ENST00000398527	10943	NM_078629	MSL3
A_19_P00321493	3,54384	4,21772	-1,595357776	ENST00000415869	100505920	NR_125403	LOC100505920
A_33_P3358541	2,35349	3,02738	-1,595368834	N/A	N/A	AK097792	N/A
A_23_P85952	12,3286	13,0025	-1,595379892	ENST00000357640	79961	NM_024901	DENND2D
A_24_P177553	3,46354	4,13746	-1,595402009	N/A	N/A	BU963192	N/A
A_23_P134627	3,85189	4,52583	-1,595424126	ENST00000313669	136227	NM_133457	COL26A1
A_23_P77965	8,15286	8,82687	-1,595501539	ENST00000587314	63897	NM_022070	HEATR6
A_33_P3271634	3,59485	4,26888	-1,595523657	ENST00000466949	3115	XM_006715078	HLA-DPB1
A_23_P375566	5,02504	5,69913	-1,595590015	ENST00000468837	252983	NM_178509	STXBP4
A_22_P00017664	1,46557	2,13968	-1,595612134	N/A	N/A	N/A	Inc-WRN-8
A_23_P55926	8,8588	9,53309	-1,595811226	ENST00000597085	7376	NM_007121	NR1H2
A_33_P3347787	2,48303	3,15739	-1,595888657	N/A	N/A	N/A	N/A
A_23_P17826	3,17466	3,8492	-1,596087783	ENST00000543737	6523	NM_000343	SLC5A1
A_21_P0014186	7,9536	8,62832	-1,596286933	N/A	101927811	NR_110119	LOC101927811
A_33_P3284247	1,64442	2,31924	-1,596397583	ENST00000382966	352887	N/A	GYG2P1
A_24_P245246	11,0235	11,6985	-1,596596773	ENST00000613180	8396	NM_003559	PIP4K2B
A_33_P3410859	5,04315	5,71815	-1,596596773	ENST00000569097	729603	NR_003288	LOC729603
A_21_P0005567	5,75819	6,4332	-1,59660784	N/A	N/A	N/A	Inc-LAT2-1
A_33_P3322050	4,15632	4,83136	-1,59664104	ENST00000398956	1859	NM_130438	DYRK1A
A_21_P0011423	4,53348	5,2086	-1,596729579	N/A	N/A	N/A	XLOC_I2_005175
A_22_P00021049	1,5201	2,19525	-1,596762783	ENST00000445253	252954	NR_001539	TTY22
A_21_P0014304	3,85971	4,53489	-1,596795987	N/A	N/A	BC073817	Inc-CHSY1-5
A_22_P00018368	1,7301	2,40528	-1,596795987	N/A	N/A	N/A	Inc-orphan.1-1

A_24_P383330	14,9772	15,6526	-1,597039505	ENST00000494861	N/A	N/A	N/A
A_33_P3305536	6,06306	6,73846	-1,597039505	ENST00000437814	196074	AK091261	METTLL15
A_23_P152330	2,91218	3,58767	-1,597139136	ENST00000561671	8448	NM_003586	DOC2A
A_33_P3418234	1,7182	2,39376	-1,597216632	N/A	441925	NM_001290693	BECN1P1
A_21_P0007466	3,52673	4,20241	-1,59734949	ENST00000526385	N/A	N/A	N/A
A_33_P3407592	7,27448	7,9502	-1,597393779	ENST00000621154	N/A	N/A	N/A
A_23_P169428	11,0624	11,7384	-1,597703833	ENST00000372890	26995	NM_015679	TRUB2
A_24_P259154	3,16194	3,83795	-1,597714907	ENST00000292748	113691	NR_003608	TUBA3FP
A_21_P0010579	1,39807	2,0741	-1,597737057	N/A	N/A	N/A	XLOC_I2_000643
A_32_P55840	4,22148	4,89758	-1,597814581	ENST00000377186	729583	NR_103538	LINC01556
A_22_P00010948	1,48483	2,16101	-1,597903185	ENST00000507849	N/A	N/A	N/A
A_23_P15678	1,73098	2,4072	-1,597947489	ENST00000338694	83659	NM_053285	TEKT1
A_22_P00017801	1,55768	2,23399	-1,598047177	ENST00000431947	102723831	NR_125868	LOC102723831
A_33_P3383071	3,04236	3,71867	-1,598047177	N/A	100128437	AK126077	LOC100128437
A_33_P3387493	3,97544	4,65182	-1,598124717	N/A	441490	NM_001271682	FTH1P18
A_23_P429461	9,62519	10,3016	-1,598157949	ENST00000464499	197258	NM_145059	FUK
A_33_P3351554	9,41804	10,0947	-1,598434913	ENST00000367202	55224	NM_001297760	ETNK2
A_32_P64200	5,13678	5,81347	-1,598468152	N/A	2979	NM_002098	GUCA1B
A_33_P3645079	1,47829	2,15498	-1,598468152	N/A	100133311	NR_038831	HOXA-AS3
A_22_P00008226	3,93015	4,60711	-1,598767333	N/A	103625681	NR_125724	LLPH-AS1
A_33_P3276718	1,72726	2,40432	-1,598878155	ENST00000423064	3082	NM_001010934	HGF
A_23_P99397	9,24294	9,92014	-1,599033318	ENST00000464055	253832	NM_153251	ZDHHC20
A_33_P3368193	1,8013	2,47852	-1,599055486	ENST00000369230	119548	NM_001011709	PNLIPRP3
A_24_P133017	3,76557	4,44286	-1,599133074	ENST00000533102	84866	NM_032780	TMEM25
A_22_P00017323	4,16954	4,84691	-1,599221752	N/A	100289388	NR_102281	KCTD21-AS1
A_23_P251486	1,49602	2,1734	-1,599232837	N/A	10584	NM_006438	COLEC10
A_22_P00003794	1,61444	2,29191	-1,599332605	N/A	N/A	N/A	Inc-CDK5RAP1-1
A_33_P3359704	4,7128	5,3904	-1,599476726	ENST00000331569	80139	AK024361	ZNF703
A_33_P3287825	7,80813	8,48581	-1,599565422	ENST00000378685	64753	NM_022742	CCDC136
A_23_P411953	10,7855	11,4632	-1,599587597	ENST00000368457	90780	NM_138300	PYGO2
A_23_P52826	11,07	11,7477	-1,599587597	ENST00000260210	84811	NM_032725	BUD13
A_33_P3391225	3,0746	3,75237	-1,599665212	ENST00000316506	N/A	AB529252	N/A
A_24_P37253	7,06382	7,74163	-1,599709564	ENST00000409381	130574	NM_194317	LYPD6

A_24_P349821	6,15433	6,83219	-1,599765007	ENST00000430347	9617	NM_004294	MTRF1
A_33_P3378800	15,3044	15,9823	-1,599809362	ENST00000382456	1173	NM_004068	AP2M1
A_33_P3216200	1,98093	2,65883	-1,599809362	N/A	N/A	N/A	N/A
A_23_P146417	11,1094	11,7874	-1,599920257	ENST00000374586	23731	NM_032012	TMEM245
A_22_P00002527	2,20939	2,88753	-1,600075521	N/A	101101775	NR_073458	TMEM220-AS1
A_23_P332042	8,9331	9,6117	-1,600585783	ENST00000317905	9400	NM_004259	RECQL5
A_23_P153390	1,64651	2,32518	-1,600663446	ENST00000620128	339390	NM_198492	CLEC4G
A_33_P3420635	4,58529	5,26398	-1,600685636	ENST00000300127	219983	NM_001004708	OR4D6
A_24_P186986	12,0139	12,6926	-1,600696731	ENST00000429024	N/A	N/A	N/A
A_33_P3401422	3,39688	4,07572	-1,600852071	ENST00000404743	340654	NM_001128215	LIPM
A_23_P85640	5,41336	6,09221	-1,600863168	ENST00000373024	3633	NM_005540	INPP5B
A_22_P00000816	3,3215	4,00037	-1,60088536	N/A	N/A	N/A	Inc-AF165138.7.1-2
A_21_P0007569	3,47459	4,15347	-1,600896457	ENST00000548969	100506869	NR_126341	LOC100506869
A_33_P3411991	7,745	8,42399	-1,601018524	ENST00000456584	23637	NM_012197	RABGAP1
A_22_P00003017	6,18973	6,86881	-1,601118404	N/A	N/A	XM_005249927	Inc-C7orf11-1
A_21_P0009777	2,75349	3,43264	-1,601196092	ENST00000593393	102723931	XR_244021	LOC102723931
A_21_P0010594	3,25763	3,93683	-1,601251587	N/A	N/A	N/A	XLOC_I2_000727
A_21_P0003301	2,50867	3,18806	-1,601462482	N/A	101928105	NR_121657	LOC101928105
A_24_P21715	10,0136	10,693	-1,601473583	ENST00000307980	5883	NM_004584	RAD9A
A_21_P0009258	1,92003	2,59949	-1,601540187	N/A	101927389	XR_243722	LOC101927389
A_21_P0002907	2,00685	2,68634	-1,601573491	ENST00000441185	N/A	N/A	N/A
A_19_P00318413	2,59886	3,27843	-1,601662303	N/A	N/A	N/A	XLOC_I2_010751
A_23_P212159	8,37046	9,05003	-1,601662303	ENST00000254508	23225	NM_024923	NUP210
A_23_P69154	5,98944	6,66903	-1,601684507	ENST00000430121	729085	NM_001129908	FAM198A
A_21_P0008109	4,80317	5,48285	-1,601784429	N/A	N/A	N/A	Inc-FARP1-1
A_33_P3268507	8,32702	9,00681	-1,601906563	ENST00000403136	634	NM_001184816	CEACAM1
A_23_P132738	6,22546	6,90532	-1,60198429	ENST00000460288	1427	NM_017541	CRYGS
A_22_P00015679	4,09427	4,77423	-1,602095335	ENST00000414768	N/A	BG206235	N/A
A_33_P3295578	9,67421	10,3542	-1,60212865	ENST00000451678	90843	NM_153333	TCEAL8
A_23_P4536	1,68873	2,36878	-1,602195282	ENST00000545076	23136	NM_012307	EPB41L3
A_33_P3263666	12,2162	12,8963	-1,602250811	ENST00000559651	122416	NM_152326	ANKRD9
A_22_P00013089	5,98281	6,66297	-1,602317448	N/A	N/A	CD673709	Inc-RHPN1-2
A_24_P76546	10,8118	11,4921	-1,602472945	ENST00000618852	10163	AK075231	WASF2

A_33_P3309849	7,51941	8,19981	-1,602584024	N/A	N/A	N/A	N/A
A_23_P111701	8,3502	9,03062	-1,602606241	ENST00000248564	2791	NM_004126	GNG11
A_22_P00021303	1,80549	2,48631	-1,603050639	N/A	101929353	NR_125924	LOC101929353
A_33_P3262537	2,98162	3,66246	-1,603072862	N/A	N/A	N/A	N/A
A_33_P3417150	5,65524	6,33624	-1,603250659	ENST00000305097	5028	NM_002563	P2RY1
A_23_P111132	13,5023	14,1833	-1,603250659	ENST00000375651	3303	NM_005345	HSPA1A
A_33_P3358653	1,45369	2,13477	-1,603339564	N/A	N/A	N/A	N/A
A_23_P155057	3,98782	4,66896	-1,603406247	ENST00000462927	27128	NM_013385	CYTH4
A_22_P00023783	2,24359	2,92488	-1,603572965	N/A	N/A	N/A	Inc-MKI67-2
A_22_P00009063	1,71954	2,40084	-1,60358408	ENST00000561318	N/A	N/A	N/A
A_21_P0013951	3,07584	3,75725	-1,603706352	N/A	N/A	AK294064	N/A
A_23_P8240	8,98432	9,66581	-1,603795283	ENST00000380274	26240	NM_012135	FAM50B
A_33_P3337272	13,1409	13,8224	-1,603806399	N/A	441478	NM_001004354	NRARP
A_22_P00009445	2,13031	2,81195	-1,603962041	ENST00000518687	N/A	CR739174	N/A
A_23_P113237	4,50296	5,1846	-1,603962041	ENST00000381567	64109	NM_001012288	CRLF2
A_21_P0001167	1,67911	2,36083	-1,604050986	N/A	100996263	N/A	LOC100996263
A_23_P218423	12,229	12,9108	-1,604139936	ENST00000421763	124995	NM_148887	MRPL10
A_23_P64898	2,19072	2,8727	-1,604340092	ENST00000538029	10219	NM_005810	KLRG1
A_23_P27677	10,9807	11,6628	-1,604473542	ENST00000597198	3661	NM_001571	IRF3
A_23_P410312	8,87791	9,56007	-1,604540272	ENST00000615315	400073	NM_207435	C12orf76
A_22_P00019316	2,54791	3,23007	-1,604540272	N/A	101927063	XR_247565	LOC101927063
A_33_P3386117	11,85	12,5322	-1,60458476	ENST00000378513	11079	NM_007033	RER1
A_33_P3345011	1,59589	2,2781	-1,604595882	ENST00000324436	284382	NM_178525	ACTL9
A_33_P3354945	1,7215	2,40378	-1,60467374	ENST00000369801	1435	NM_172210	CSF1
A_23_P117225	10,7515	11,4338	-1,604695985	ENST00000472247	2073	NM_000123	ERCC5
A_24_P217834	11,278	11,9603	-1,604695985	ENST00000356476	8351	NM_003530	HIST1H3D
A_21_P0006195	1,90904	2,59137	-1,604729354	N/A	N/A	N/A	Inc-C9orf107-2
A_33_P3326643	1,98007	2,66241	-1,604740477	ENST00000399391	340990	NM_001277269	OTOG
A_33_P3297302	4,84203	5,52446	-1,604840589	ENST00000409331	84173	NM_001135021	ELMOD3
A_21_P0014193	3,02094	3,70346	-1,604940708	N/A	N/A	N/A	N/A
A_33_P3368188	7,29315	7,97569	-1,604962957	ENST00000592481	10801	NM_006640	set-09
A_21_P0007065	5,10111	5,7838	-1,605129837	ENST00000593568	101928913	NR_120647	LINC01515
A_23_P5415	11,6847	12,3674	-1,605140963	ENST00000409357	60491	NM_021824	NIF3L1

A_23_P312565	1,60619	2,28892	-1,605174341	ENST00000464387	138649	NR_026868	ANKRD19P
A_21_P0014101	1,65158	2,33446	-1,605341243	N/A	654841	NR_102371	LOC654841
A_33_P3240543	12,4109	13,0938	-1,605363498	ENST00000473312	116988	NM_001042535	AGAP3
A_21_P0013035	5,376	6,05892	-1,605385753	ENST00000403062	26065	NM_015578	LSM14A
A_33_P3285545	14,9647	15,6477	-1,605474777	ENST00000431918	1364	NM_001305	CLDN4
A_23_P83278	12,9039	13,5869	-1,605474777	ENST00000223500	51510	NM_016410	CHMP5
A_23_P117896	2,57839	3,26149	-1,605586064	ENST00000452443	116179	NM_052955	TGM7
A_22_P00012541	8,81826	9,50145	-1,605686229	N/A	100128782	NR_023389	LINC00476
A_32_P190944	5,56398	6,24731	-1,605842053	ENST00000243349	130399	NM_145259	ACVR1C
A_21_P0013649	6,9779	7,66126	-1,605875446	N/A	N/A	N/A	XLOC_I2_015209
A_21_P0000307	8,13235	8,81573	-1,605897709	N/A	677794	NR_002951	SNORA2B
A_33_P3298105	5,83879	6,52239	-1,606142614	ENST00000382095	221178	NM_001286792	SPATA13
A_21_P0011586	1,41571	2,09934	-1,606176014	ENST00000422957	N/A	N/A	N/A
A_21_P0008915	2,42096	3,10465	-1,606242814	N/A	N/A	N/A	Inc-CACNG3-1
A_23_P168019	4,58106	5,26477	-1,606265081	ENST00000341464	80317	NM_024493	ZKSCAN3
A_22_P00020052	1,77493	2,45884	-1,606487772	ENST00000506420	N/A	N/A	N/A
A_23_P64712	5,61628	6,30021	-1,606510043	ENST00000426174	79867	NM_024809	TCTN2
A_22_P00002273	1,64164	2,32559	-1,606532314	ENST00000443016	N/A	AK091487	N/A
A_33_P3242548	1,37399	2,05797	-1,606565722	ENST00000394435	11107	NM_001300824	PRDM5
A_22_P00005763	2,69979	3,38403	-1,60685528	N/A	N/A	AI821561	Inc-ENO3-2
A_21_P0003017	1,84048	2,52473	-1,606866418	N/A	N/A	N/A	Inc-NR112-1
A_24_P626931	7,28382	7,96809	-1,606888694	ENST00000503942	90025	XM_006715597	UBE3D
A_21_P0000519	2,11405	2,79834	-1,606910971	ENST00000569242	283914	NR_027080	LINC01566
A_24_P375205	4,03358	4,71793	-1,606977801	N/A	57496	AK093577	MKL2
A_21_P0000911	3,1717	3,85619	-1,607133751	N/A	N/A	N/A	Inc-WDR65-1
A_23_P254120	11,1326	11,8171	-1,607144891	ENST00000480463	26268	NM_033480	FBXO9
A_23_P385911	4,25526	4,94	-1,60741227	ENST00000396791	80817	NM_001145314	CEP44
A_23_P164912	8,60613	9,29092	-1,60746798	ENST00000469137	64130	NM_022165	LIN7B
A_21_P0002956	3,17516	3,85997	-1,607490264	N/A	N/A	N/A	Inc-KLHL18-1
A_33_P3306413	3,35347	4,03838	-1,607601691	ENST00000574617	388324	NM_001167986	INCA1
A_23_P161218	5,90536	6,59034	-1,607679694	ENST00000371697	27063	NM_014391	ANKRD1
A_23_P216094	10,1361	10,8211	-1,607701981	ENST00000541428	444	NM_004318	ASPH
A_23_P401098	7,08944	7,77448	-1,607746557	ENST00000304621	125488	NM_153211	TTC39C



A_23_P130040	11,109	11,7942	-1,607924872	ENST00000300408	5245	NM_002634	PHB
A_22_P00015296	9,30393	9,98915	-1,607947162	ENST00000560049	645212	NR_034170	EIF3J-AS1
A_22_P00008678	1,46402	2,14943	-1,60815894	N/A	N/A	N/A	Inc-KIAA0913-1
A_19_P00330549	3,83855	4,52404	-1,608248118	N/A	100132356	N/A	LOC100132356
A_33_P3387646	3,69062	4,37614	-1,60828156	ENST00000508056	643201	NR_036494	LOC643201
A_24_P244944	6,25344	6,93943	-1,60880559	ENST00000456504	55784	NM_018349	MCTP2
A_23_P319013	6,79037	7,47639	-1,608839045	ENST00000586068	163087	NM_152604	ZNF383
A_33_P3220056	1,38703	2,07323	-1,609039787	ENST00000413042	N/A	AK057873	N/A
A_33_P3294524	6,79111	7,47779	-1,60957522	ENST00000400020	23253	NM_001204056	ANKRD12
A_22_P00024945	2,41581	3,10256	-1,609653319	N/A	N/A	N/A	Inc-BMP4-2
A_24_P262355	12,0994	12,7862	-1,609709107	ENST00000507748	5245	NM_002634	PHB
A_32_P116857	1,73535	2,42219	-1,609753738	ENST00000286063	50940	NM_016953	PDE11A
A_22_P00003442	1,34346	2,03067	-1,610166636	N/A	N/A	BX119833	Inc-CCDC40-1
A_23_P204503	9,94905	10,6364	-1,610322895	ENST00000537057	5564	NM_006253	PRKAB1
A_24_P181055	9,63117	10,3186	-1,610412192	ENST00000530591	6484	NM_006278	ST3GAL4
A_23_P100056	1,55006	2,23756	-1,610490332	ENST00000300069	348093	NM_194272	RBPMS2
A_23_P215832	14,3491	15,0367	-1,610601967	ENST00000394186	9551	NM_004889	ATP5J2
A_22_P00023602	7,03954	7,72714	-1,610601967	ENST00000416191	N/A	XR_428799	N/A
A_21_P0003896	1,42082	2,1085	-1,61069128	N/A	N/A	N/A	Inc-TECRL-1
A_23_P141730	10,0774	10,7652	-1,610825259	ENST00000261590	1829	NM_001943	DSG2
A_33_P3317392	3,18787	3,87582	-1,610992748	ENST00000274487	171019	NM_133638	ADAMTS19
A_22_P00002395	1,7867	2,47485	-1,611216095	ENST00000554428	100309464	NR_029385	OTX2-AS1
A_22_P00014896	1,55158	2,23974	-1,611227263	N/A	N/A	DB069350	Inc-SLC7A6OS-1
A_33_P3304369	6,69464	7,38281	-1,611238431	N/A	N/A	N/A	N/A
A_21_P0009183	1,52257	2,21075	-1,6112496	N/A	N/A	N/A	Inc-FSCN2-1
A_21_P0001798	1,44385	2,13204	-1,611260768	ENST00000456248	101927619	N/A	LOC101927619
A_21_P0004864	8,292	8,98022	-1,611294273	ENST00000562904	N/A	XR_427900	N/A
A_22_P00011107	5,48552	6,17386	-1,611428303	N/A	N/A	N/A	Inc-NUDT5-1
A_23_P63751	12,7869	13,4753	-1,611495322	ENST00000298510	10935	NM_006793	PRDX3
A_33_P3384548	4,66414	5,35264	-1,611607026	N/A	N/A	AK309505	N/A
A_21_P0011594	1,40412	2,09266	-1,61165171	N/A	N/A	N/A	XLOC_I2_005804
A_33_P3321657	15,2184	15,907	-1,611718738	ENST00000374695	3339	NM_001291860	HSPG2
A_19_P00320663	2,78047	3,46918	-1,61184163	N/A	102724384	XR_425661	LOC102724384

A_24_P68415	2,34215	3,03089	-1,611875147	ENST00000589703	7596	NM_003425	ZNF45
A_21_P0005455	1,95394	2,64271	-1,611908666	N/A	N/A	N/A	Inc-WDR60-2
A_24_P365180	1,52908	2,21799	-1,612065094	ENST00000310045	92126	NM_032160	DSEL
A_33_P3235521	4,1497	4,83863	-1,612087442	N/A	N/A	N/A	N/A
A_33_P3284408	5,01473	5,70371	-1,612143314	ENST00000483899	84301	NM_032341	DDI2
A_33_P3294449	7,36123	8,05028	-1,612221537	ENST00000470721	55827	NM_001017977	DCAF6
A_24_P216361	1,54948	2,23857	-1,612266238	ENST00000402697	23532	NM_206956	PRAME
A_22_P00005758	3,58603	4,27513	-1,612277414	N/A	101929295	NR_110303	LOC101929295
A_33_P3233906	8,03246	8,722	-1,612769209	ENST00000254661	10267	NM_005855	RAMP1
A_21_P0011541	3,45425	4,14398	-1,612981621	ENST00000425901	342666	N/A	LRR37A11P
A_22_P00022094	1,58538	2,27528	-1,613171698	N/A	N/A	N/A	Inc-LRTM2-1
A_21_P0004288	1,71856	2,40856	-1,613283518	N/A	N/A	N/A	Inc-FTMT-1
A_21_P0002541	1,70976	2,39976	-1,613283518	N/A	N/A	N/A	Inc-TNP1-2
A_22_P00016241	1,36157	2,05158	-1,613294701	ENST00000564852	N/A	N/A	N/A
A_33_P3235701	3,55402	4,2442	-1,613484815	ENST00000371541	23318	XM_005270685	ZCCHC11
A_33_P3234410	13,0619	13,7522	-1,613619026	ENST00000459875	N/A	N/A	N/A
A_33_P3262789	10,755	11,4453	-1,613619026	ENST00000233596	92840	NM_138393	REEP6
A_21_P0006090	3,09608	3,78663	-1,613898669	ENST00000423380	N/A	XR_108974	N/A
A_33_P3291891	4,74784	5,4384	-1,613909856	N/A	100128002	XR_158870	LOC100128002
A_33_P3411315	9,66658	10,3572	-1,613976978	ENST00000391586	85293	NM_033185	KRTAP3-3
A_23_P373568	8,61468	9,30537	-1,614055291	ENST00000377092	80199	NM_025129	FUZ
A_19_P00319825	1,53798	2,22869	-1,614077666	ENST00000440444	283673	NR_026949	EWSAT1
A_22_P00015672	9,26604	9,95676	-1,614088854	ENST00000566714	N/A	N/A	N/A
A_23_P357860	5,36382	6,05467	-1,614234305	ENST00000337002	7095	NM_003262	SEC62
A_33_P3343007	3,34527	4,03621	-1,614335009	ENST00000390454	N/A	X68698	N/A
A_24_P290502	7,3076	7,9986	-1,614402149	ENST00000614209	9648	NM_181453	GCC2
A_33_P3409844	6,88066	7,57177	-1,614525246	ENST00000455990	51361	NM_015888	HOOK1
A_23_P122615	8,35566	9,04681	-1,61457001	ENST00000438806	25957	NM_032870	PNISR
A_23_P110624	2,4684	3,15955	-1,61457001	ENST00000458100	1501	NM_001332	CTNND2
A_32_P131143	5,34475	6,03631	-1,615028921	N/A	100130717	NR_024482	CECR5-AS1
A_33_P3379463	12,9496	13,6412	-1,6150737	ENST00000374514	11313	NM_007260	LYPLA2
A_22_P00019084	2,4904	3,18203	-1,615107284	N/A	101927884	NR_110281	LOC101927884
A_33_P3376873	6,74121	7,43326	-1,615577546	N/A	N/A	BC041650	N/A

A_33_P3338341	9,28179	9,97387	-1,615611141	ENST00000482858	5625	NM_016335	PRODH
A_21_P0000132	5,02053	5,71261	-1,615611141	N/A	90835	NM_001195620	C16orf93
A_21_P0014015	4,18226	4,87434	-1,615611141	ENST00000592861	1267	AK296534	CNP
A_23_P81650	10,7858	11,4779	-1,615633539	ENST00000231512	56951	NM_020199	C5orf15
A_33_P3330952	5,80785	6,50007	-1,615767929	ENST00000264449	10396	NM_006095	ATP8A1
A_22_P00016963	1,89229	2,58471	-1,615991937	N/A	N/A	AA897512	Inc-TSSK2-1
A_24_P313822	7,61299	8,30542	-1,616003138	ENST00000600350	10298	NM_005884	PAK4
A_22_P00020997	4,84286	5,53547	-1,616204774	N/A	N/A	CU688373	Inc-FAM83H-1
A_24_P93736	3,0277	3,72037	-1,616271992	N/A	643210	NR_024341	EHMT1-IT1
A_23_P20107	11,0163	11,7091	-1,616417639	ENST00000494735	373156	NM_015917	GSTK1
A_33_P3381996	1,58472	2,27758	-1,616484865	ENST00000625198	606553	NR_103552	C8orf49
A_33_P3344201	9,27805	9,97099	-1,616574505	ENST00000391831	84335	NM_032375	AKT1S1
A_23_P42080	9,92495	10,6179	-1,61658571	ENST00000211314	28978	NM_014051	TMEM14A
A_32_P107029	3,55807	4,25107	-1,616641738	ENST00000596653	9476	NM_004851	NAPSA
A_24_P303497	5,66501	6,35803	-1,616664149	ENST00000619706	254394	NM_017696	MCM9
A_33_P3379726	7,15285	7,84589	-1,616686561	ENST00000586790	29903	NM_013301	CCDC106
A_22_P00011989	8,37791	9,07096	-1,616697767	N/A	101929897	NR_125823	LOC101929897
A_23_P140967	5,11222	5,80547	-1,616921905	ENST00000542898	4210	NM_000243	MEFV
A_23_P130553	9,51003	10,2037	-1,617392694	ENST00000600791	92799	NM_138392	SHKBP1
A_23_P319859	9,67177	10,3655	-1,617459961	ENST00000327619	2139	NM_005244	EYA2
A_21_P0012471	1,50779	2,20164	-1,617594503	N/A	N/A	N/A	XLOC_I2_010451
A_33_P3399318	10,6081	11,302	-1,617650566	ENST00000370982	55970	NM_018841	GNG12
A_33_P3274472	1,54608	2,24006	-1,61774027	ENST00000446002	N/A	N/A	N/A
A_23_P115597	6,99098	7,68505	-1,617841193	ENST00000376087	22852	NM_014915	ANKRD26
A_33_P3268716	10,8026	11,4967	-1,617874835	ENST00000380285	6642	NM_003099	SNX1
A_22_P00012557	3,31471	4,00883	-1,617897264	N/A	100289019	NR_033374	SLC25A25-AS1
A_19_P00315863	2,58045	3,27464	-1,617975767	ENST00000417922	646324	N/A	LINC00607
A_22_P00000046	5,74461	6,43884	-1,618020627	N/A	285943	NR_122069	HOXA-AS2
A_22_P00011597	3,39766	4,09216	-1,618323468	ENST00000533528	100506233	N/A	RAB30-AS1
A_21_P0008559	3,41937	4,11416	-1,618648804	ENST00000558309	145837	BC104435	LOC145837
A_23_P51291	8,77992	9,47473	-1,618671243	ENST00000371279	25973	NM_152268	PARS2
A_33_P3385775	7,20544	7,90026	-1,618682463	ENST00000331569	80139	AK024361	ZNF703
A_22_P00005737	6,41536	7,11022	-1,618727343	N/A	N/A	N/A	Inc-EMP2-2

A_23_P370454	2,11852	2,81344	-1,618794666	ENST00000572275	9196	NM_004732	KCNAB3
A_21_P0004383	5,81449	6,50948	-1,618873212	N/A	N/A	N/A	Inc-C5orf39-1
A_22_P00003110	11,5327	12,2277	-1,618884433	N/A	N/A	AX721189	Inc-C9orf103-1
A_33_P3718274	2,9056	3,60075	-1,619052761	N/A	285629	DB296219	LOC285629
A_22_P00018544	5,51765	6,21284	-1,619097651	N/A	N/A	N/A	Inc-TBC1D12-1
A_23_P203947	9,88318	10,5784	-1,619131319	ENST00000435753	1663	NM_030653	DDX11
A_23_P3602	6,62176	7,31698	-1,619131319	ENST00000268533	283927	NM_001243657	NUDT7
A_22_P00012425	1,50299	2,19836	-1,619299673	N/A	N/A	N/A	Inc-PRMT10-1
A_23_P413224	2,03984	2,73523	-1,619322121	ENST00000373089	9436	NM_004828	NCR2
A_33_P3381458	4,10802	4,80348	-1,619400693	N/A	N/A	AK094155	N/A
A_33_P3239387	1,88347	2,57903	-1,619512945	ENST00000409237	114805	NM_001301627	GALNT13
A_24_P303647	7,62162	8,31735	-1,619703792	ENST00000297145	154743	NM_152556	C7orf60
A_23_P54840	15,231	15,927	-1,620006947	ENST00000290705	4489	NM_005946	MT1A
A_33_P3257252	4,77393	5,4701	-1,620197852	ENST00000282296	90233	NM_138347	ZNF551
A_33_P3417437	7,95105	8,64752	-1,620534798	ENST00000374027	388611	NM_207397	CD164L2
A_21_P0003527	1,63922	2,3358	-1,620658362	ENST00000504785	N/A	N/A	N/A
A_33_P3245947	3,52389	4,22053	-1,620725765	ENST00000306688	201255	XM_006722275	LRRC45
A_23_P375549	9,34261	10,0393	-1,620781936	ENST00000483115	139341	NM_173794	FUNDC1
A_21_P0008716	2,23285	2,92974	-1,621006639	N/A	N/A	N/A	Inc-TRPM1-1
A_23_P343411	13,3602	14,0571	-1,621017875	ENST00000461111	375790	NM_198576	AGRN
A_33_P3238148	1,37286	2,06983	-1,62109653	ENST00000343318	401387	AK091323	LRRD1
A_24_P933418	8,35231	9,04946	-1,621298801	ENST00000261018	10152	NM_005759	ABI2
A_22_P00014391	1,61328	2,31068	-1,621579775	ENST00000508145	N/A	N/A	N/A
A_22_P00015435	2,89811	3,59561	-1,621692178	ENST00000488584	730091	NR_038387	LINC00886
A_22_P00015460	1,58167	2,27919	-1,62171466	ENST00000414300	N/A	N/A	N/A
A_23_P87007	1,61225	2,30986	-1,621815831	ENST00000537778	9177	NM_006028	HTR3B
A_22_P00007202	3,67949	4,3774	-1,622153113	N/A	N/A	CV800748	Inc-GPBP1L1-1
A_23_P203949	10,4006	11,0986	-1,622254311	ENST00000435753	1663	NM_030653	DDX11
A_19_P00807869	3,60241	4,30071	-1,622591685	N/A	N/A	N/A	XLOC_I2_009886
A_21_P0009662	2,51863	3,217	-1,622670415	N/A	N/A	N/A	Inc-ZNF507-4
A_21_P0001381	3,29274	3,99118	-1,622749149	N/A	N/A	N/A	Inc-NUF2-2
A_21_P0011075	4,0887	4,78735	-1,622985375	N/A	N/A	N/A	XLOC_I2_003260
A_22_P00018367	6,57385	7,27254	-1,623030375	N/A	285965	NR_033897	EPHA1-AS1

A_23_P207911	4,24736	4,9462	-1,623199133	ENST00000338560	51393	NM_016113	TRPV2
A_22_P00025349	2,90505	3,60392	-1,623232887	ENST00000439964	N/A	N/A	N/A
A_23_P150350	9,24936	9,94823	-1,623232887	ENST00000260276	64776	NM_022761	C11orf1
A_33_P3270956	4,01485	4,71376	-1,623277893	ENST00000314727	401474	NM_207506	SAMD12
A_22_P00013910	9,57824	10,2772	-1,623334153	ENST00000530407	2542	NM_001164277	SLC37A4
A_33_P3461948	3,71167	4,41073	-1,623446678	ENST00000337323	155051	NM_144727	CRYGN
A_33_P3405680	2,38806	3,08719	-1,62352545	N/A	100874200	NR_046572	ARHGEF3-AS1
A_32_P104518	4,8546	5,55376	-1,62355921	N/A	100128782	NR_023389	LINC00476
A_33_P3212274	3,39789	4,09709	-1,623604226	N/A	2149	BC016059	F2R
A_33_P3292432	1,34588	2,04528	-1,623829321	ENST00000479783	79781	AK090907	IQCA1
A_22_P00013213	3,93628	4,63572	-1,623874343	N/A	80862	NR_026751	ZNRD1-AS1
A_21_P0000606	2,38026	3,07992	-1,624121991	ENST00000558913	283688	NR_033833	LINC00927
A_21_P0010693	5,61342	6,3131	-1,624144506	ENST00000442552	11223	NM_001271733	MST1L
A_33_P3391511	2,85238	3,5521	-1,624189537	N/A	N/A	N/A	N/A
A_24_P250815	6,5689	7,26862	-1,624189537	ENST00000262753	79983	NM_024921	POF1B
A_23_P250118	9,97322	10,673	-1,624257087	ENST00000306103	79663	NM_024610	HSPBAP1
A_33_P3248519	11,6005	12,3003	-1,624279604	ENST00000468653	10051	NM_005496	SMC4
A_32_P29615	6,61401	7,31385	-1,624324639	ENST00000390651	90333	NM_001277120	ZNF468
A_33_P3288605	3,51398	4,21395	-1,624471012	N/A	N/A	AF289552	N/A
A_22_P00008745	4,28812	4,98809	-1,624471012	N/A	643749	NR_034108	TRAF3IP2-AS1
A_23_P104151	10,9539	11,6539	-1,624504793	ENST00000496366	51249	NM_016486	TMEM69
A_21_P0001164	1,75357	2,45358	-1,624516053	N/A	N/A	N/A	Inc-EPS8L3-1
A_21_P0002494	1,51391	2,21405	-1,624662443	N/A	N/A	N/A	Inc-SLC35F5-2
A_21_P0008511	3,7631	4,46336	-1,624797585	N/A	N/A	N/A	Inc-CTAGE5-1
A_23_P377245	4,68275	5,38301	-1,624797585	ENST00000311990	653160	NR_037869	LOC653160
A_33_P3227252	10,2379	10,9382	-1,624842634	ENST00000442987	402483	N/A	LINC01000
A_24_P368943	9,33085	10,0313	-1,625011581	ENST00000496902	2128	NM_001989	EVX1
A_22_P00004421	6,6182	7,31869	-1,625056637	N/A	N/A	N/A	Inc-COPZ2-1
A_33_P3394380	1,53126	2,23194	-1,625270667	ENST00000394718	9495	NM_004857	AKAP5
A_33_P3286334	7,44457	8,14538	-1,625417126	ENST00000471650	23616	NM_018957	SH3BP1
A_23_P26629	13,2573	13,9582	-1,625518528	ENST00000350605	29108	NM_013258	PYCARD
A_33_P3405360	6,89176	7,59268	-1,625541062	ENST00000394285	5082	NM_005388	PDCL
A_24_P356601	8,33294	9,0339	-1,625586133	ENST00000332499	10614	NM_006460	HEXIM1

A_22_P00009722	9,01701	9,7181	-1,625732619	ENST00000357742	55784	NM_018349	MCTP2
A_33_P3272347	11,6974	12,3988	-1,626081987	N/A	N/A	AK123720	Inc-CCDC8-1
A_24_P343377	14,2479	14,9494	-1,626194702	ENST00000488775	9551	NM_001003714	ATP5J2
A_32_P480330	1,48777	2,18942	-1,62636379	ENST00000370621	346007	NM_001292009	EYS
A_32_P52609	8,69792	9,39967	-1,626476525	ENST00000396097	23175	NM_145693	LPIN1
A_33_P3273258	10,7606	11,4624	-1,626532895	ENST00000596623	55762	NM_001172655	ZNF701
A_33_P3404525	3,35371	4,05555	-1,626577993	ENST00000573596	432	AK308677	ASGR1
A_23_P350005	1,41604	2,11794	-1,626645642	ENST00000512729	205860	NM_173553	TRIML2
A_32_P141546	2,43971	3,14173	-1,626780948	N/A	100506113	XR_110893	LOC100506113
A_21_P0012367	1,65374	2,35586	-1,626893712	ENST00000614866	152273	NM_152536	FGD5
A_21_P0011848	9,32218	10,0245	-1,627119263	N/A	100506922	N/A	LOC100506922
A_33_P3287218	14,5226	15,2252	-1,627435087	ENST00000479303	373156	NM_001143679	GSTK1
A_33_P3291244	3,81065	4,51361	-1,627841236	ENST00000327554	160777	NM_178499	CCDC60
A_21_P0003318	1,56086	2,26382	-1,627841236	ENST00000500009	N/A	XR_244670	N/A
A_33_P3338559	11,8671	12,5702	-1,627999211	ENST00000373493	5928	NM_005610	RBBP4
A_24_P68079	5,90982	6,61295	-1,628033064	ENST00000429976	9881	NM_014831	TRANK1
A_33_P3211260	5,85938	6,56263	-1,628168486	N/A	28988	AB209486	DBNL
A_22_P00006905	2,17598	2,87927	-1,628213629	ENST00000579437	N/A	N/A	N/A
A_23_P117037	11,5722	12,2755	-1,628224915	ENST00000550100	25875	NM_015416	LETMD1
A_23_P106463	11,0659	11,7692	-1,628224915	ENST00000558194	4947	NM_002537	OAZ2
A_22_P00024880	1,78843	2,49181	-1,628315205	ENST00000507989	N/A	N/A	N/A
A_33_P3307402	1,43992	2,14364	-1,628698996	N/A	N/A	N/A	N/A
A_33_P3395532	1,51621	2,21997	-1,628744153	ENST00000371809	439996	NM_001010987	IFIT1B
A_33_P3227457	5,58558	6,2894	-1,628811892	N/A	N/A	N/A	N/A
A_21_P0013947	3,75889	4,46288	-1,629003835	ENST00000598442	94027	XM_005259426	CGB7
A_23_P76364	14,0341	14,7382	-1,629128045	ENST00000540891	928	NM_001769	CD9
A_22_P00018454	1,36324	2,06737	-1,629161922	ENST00000425688	N/A	N/A	N/A
A_33_P3391476	7,98275	8,68694	-1,629229678	ENST00000370870	1429	NM_001130042	CRYZ
A_22_P00025256	1,66699	2,37146	-1,629545912	N/A	N/A	N/A	Inc-APAF1-1
A_23_P106204	9,99288	10,6974	-1,629602389	ENST00000361389	2954	NM_145870	GSTZ1
A_21_P0008301	1,4713	2,17583	-1,629613684	N/A	N/A	N/A	Inc-RP11-80A15.1.1-3
A_23_P350107	10,9903	11,6949	-1,629692755	ENST00000306085	81844	NM_030961	TRIM56
A_33_P3244818	9,69148	10,3961	-1,629715348	ENST00000445288	222194	NM_198467	RSBN1L

A_24_P328504	6,82544	7,53007	-1,629726644	ENST00000476126	11262	NM_007237	SP140
A_23_P115331	9,28973	9,99442	-1,629794424	ENST00000374011	27245	NM_001029882	AHDC1
A_23_P153084	9,2831	9,98794	-1,629963886	ENST00000019317	10928	NM_006788	RALBP1
A_22_P00024859	3,00524	3,71013	-1,630020377	N/A	N/A	N/A	Inc-GJE1-1
A_24_P96780	7,11658	7,82151	-1,630065572	ENST00000614578	1063	NM_016343	CENPF
A_22_P00022995	1,37587	2,08101	-1,630302863	ENST00000452996	N/A	BC041003	N/A
A_22_P00005622	1,65345	2,35862	-1,630336764	N/A	N/A	N/A	Inc-EGR2-2
A_21_P0004919	1,42639	2,13174	-1,630540188	N/A	N/A	N/A	Inc-CDC40-2
A_23_P37127	10,1031	10,8088	-1,630935808	ENST00000250448	3169	NM_004496	FOXA1
A_24_P79755	10,3455	11,0514	-1,631161919	ENST00000434299	10327	NM_006066	AKR1A1
A_23_P35343	5,80181	6,50774	-1,631195839	ENST00000494133	57209	NM_021045	ZNF248
A_23_P393645	7,01218	7,71813	-1,631218452	ENST00000371929	11093	NM_139025	ADAMTS13
A_32_P231493	9,17554	9,88152	-1,631252373	N/A	100861541	NR_047482	DOCK9-AS2
A_21_P0009519	1,3713	2,07733	-1,631308908	N/A	N/A	N/A	Inc-PPP4R1-9
A_19_P00316836	2,53498	3,24101	-1,631308908	ENST00000435984	102724515	NR_125792	LINC01291
A_23_P433152	8,93864	9,64486	-1,631523763	ENST00000425929	132321	NM_173487	C4orf33
A_33_P3250555	2,44944	3,15567	-1,631535072	ENST00000584090	102723882	AF295728	LOC102723882
A_33_P3414689	3,02691	3,73318	-1,631580308	N/A	N/A	AF495723	N/A
A_33_P3345782	2,73523	3,44157	-1,631659475	ENST00000494080	N/A	AK074126	N/A
A_24_P96762	7,19554	7,9019	-1,631682094	ENST00000373830	54952	NM_017846	TRNAU1AP
A_33_P3264662	6,55376	7,26042	-1,632021428	N/A	339761	NM_001001665	CYP27C1
A_33_P3293763	1,38066	2,08733	-1,632032741	ENST00000609664	386675	NM_198689	KRTAP10-7
A_21_P0003298	1,57296	2,2798	-1,632225063	ENST00000514281	N/A	N/A	N/A
A_33_P3246318	13,3327	14,0398	-1,632519246	ENST00000216225	9978	NM_014248	RBX1
A_23_P309837	6,47721	7,18448	-1,632711625	ENST00000614646	85439	NM_033104	STON2
A_22_P00010389	3,30616	4,01368	-1,632994577	ENST00000562218	91807	NM_182493	MYLK3
A_22_P00016719	1,65811	2,36565	-1,633017215	N/A	101927793	XR_243510	LOC101927793
A_32_P42946	6,32575	7,03335	-1,633085132	ENST00000423420	149466	NM_182517	C1orf210
A_24_P391260	10,5039	11,2117	-1,633311541	ENST00000494690	754	NM_004339	PTTG1IP
A_21_P0010285	2,46204	3,16986	-1,633334184	N/A	N/A	N/A	Inc-PSMG1-2
A_21_P0006467	3,15016	3,85799	-1,633345506	N/A	N/A	N/A	Inc-SPANXN2-1
A_33_P3366584	3,16551	3,87358	-1,633617244	ENST00000330728	120793	NM_001005179	OR56A4
A_21_P0006863	1,66853	2,37673	-1,633764454	ENST00000431737	100506835	NR_038268	LINC00840

A_24_P388940	6,50915	7,21741	-1,633832402	ENST00000229570	57150	NM_001042493	SMIM8
A_22_P00019956	1,63295	2,34137	-1,63401361	N/A	100873920	NR_046632	NHS-AS1
A_22_P00003094	2,07163	2,78006	-1,634024936	N/A	N/A	BX648262	Inc-C8orf83-2
A_22_P00011473	3,30821	4,01664	-1,634024936	ENST00000573465	283875	N/A	LINC00514
A_22_P00001150	1,87017	2,57862	-1,634047589	ENST00000552975	100233209	NR_026544	PCED1B-AS1
A_22_P00011288	1,53069	2,23917	-1,634081568	N/A	N/A	N/A	Inc-OR7C2-1
A_22_P00015510	11,717	12,4255	-1,634104221	ENST00000522560	N/A	N/A	N/A
A_33_P3359473	11,182	11,8906	-1,634217493	ENST00000255613	84787	NM_032701	SUV420H2
A_33_P3345586	2,10503	2,81369	-1,634285459	ENST00000251287	610	NM_001194	HCN2
A_33_P3323313	1,42042	2,1291	-1,634308116	ENST00000315429	642819	NR_026693	ZNF487
A_23_P107116	4,56431	5,27301	-1,634330772	ENST00000461366	7732	NM_007148	RNF112
A_33_P7293840	3,83969	4,54847	-1,634421401	ENST00000580741	100131814	BC127000	LINC00271
A_23_P163481	10,195	10,9038	-1,634444059	ENST00000412359	701	NM_001211	BUB1B
A_24_P271323	10,1138	10,8227	-1,634557354	N/A	81031	NM_030777	SLC2A10
A_33_P3214745	3,4715	4,18043	-1,634591344	ENST00000377957	554251	NM_001024680	FBXO48
A_32_P222383	15,1142	15,8234	-1,634897286	ENST00000619352	3151	NM_005517	HMG2
A_33_P3365305	1,86547	2,57471	-1,634942616	ENST00000435083	1134	NM_001039523	CHRNA1
A_23_P393080	6,84746	7,55676	-1,635010613	ENST00000315238	810	NM_005185	CALML3
A_22_P00006109	2,87868	3,58809	-1,635135281	N/A	N/A	DW432963	Inc-FAM171B-1
A_23_P27215	15,9963	16,7058	-1,635237289	ENST00000614404	7314	NM_018955	UBB
A_23_P7697	12,1199	12,8294	-1,635237289	ENST00000510372	6643	NM_003100	SNX2
A_24_P643601	1,53757	2,24724	-1,635429988	N/A	N/A	AF150379	Inc-BBOX1-1
A_22_P00012095	1,59966	2,30945	-1,635566025	ENST00000341276	387712	NM_001242699	ENO4
A_22_P00025850	1,71002	2,42042	-1,636257721	ENST00000442831	N/A	N/A	N/A
A_24_P205364	7,65723	8,36767	-1,636303089	ENST00000354098	6470	NM_004169	SHMT1
A_23_P91430	10,0175	10,728	-1,636371142	ENST00000344022	11264	NM_007238	PXMP4
A_24_P322741	10,1352	10,8457	-1,636371142	ENST00000451065	3588	NM_000628	IL10RB
A_23_P37327	9,60218	10,3127	-1,636393827	ENST00000481935	5826	NM_005050	ABCD4
A_33_P3354141	3,17145	3,88202	-1,636450541	ENST00000439356	4134	NM_030885	MAP4
A_23_P255663	8,44932	9,15992	-1,63648457	ENST00000358812	79694	NM_024641	MANEA
A_21_P0003296	3,54639	4,25713	-1,636643384	N/A	N/A	N/A	Inc-LRRC58-1
A_32_P78681	1,63769	2,34847	-1,636688762	ENST00000262441	9340	NM_004246	GLP2R
A_23_P89649	1,5333	2,24423	-1,63685894	ENST00000391586	85293	NM_033185	KRTAP3-3



A_22_P00014031	2,45516	3,1662	-1,636983749	ENST00000422844	N/A	AA456489	N/A
A_22_P00010102	4,05139	4,76269	-1,63727879	N/A	N/A	BI522712	Inc-MRE11A-1
A_23_P169257	1,48284	2,19432	-1,637483081	ENST00000223795	944	NM_001244	TNFSF8
A_22_P00009596	4,03817	4,74976	-1,637607937	ENST00000559779	100129973	NR_102751	LOC100129973
A_33_P3382177	13,3117	14,0233	-1,637619288	ENST00000262768	7077	NM_003255	TIMP2
A_22_P00020158	1,41249	2,12431	-1,637869032	ENST00000610501	102724824	XR_424477	LOC102724824
A_21_P0008334	1,6936	2,40572	-1,638209653	N/A	N/A	N/A	Inc-TMX1-1
A_33_P3311775	8,0937	8,80593	-1,638334565	ENST00000379724	285989	NM_001013258	ZNF789
A_22_P00021142	2,70881	3,42113	-1,638436772	N/A	N/A	N/A	Inc-RNF38-2
A_23_P37778	9,01123	9,72374	-1,638652565	ENST00000567752	29109	NM_013241	FHOD1
A_23_P211345	6,65762	7,37019	-1,638720716	N/A	6899	NM_080647	TBX1
A_33_P6815962	2,12351	2,83611	-1,638754793	N/A	284900	NR_026963	TTC28-AS1
A_33_P3228600	3,75099	4,46368	-1,638857027	ENST00000461828	93979	NM_001127442	CPA5
A_23_P85783	13,2649	13,9776	-1,638868387	ENST00000369407	26227	NM_006623	PHGDH
A_23_P342000	1,45262	2,16537	-1,638925187	ENST00000468643	54033	NM_144770	RBM11
A_33_P3267198	2,99816	3,71116	-1,639209215	N/A	100131132	AK125684	LOC100131132
A_23_P106844	16,299	17,0121	-1,639322841	ENST00000562017	4502	NM_005953	MT2A
A_33_P3283626	6,14021	6,85341	-1,639436474	ENST00000524631	55599	AK289844	RNPC3
A_21_P0004030	1,63956	2,35279	-1,639470565	ENST00000507217	N/A	N/A	N/A
A_21_P0003345	1,65842	2,37172	-1,639550115	N/A	N/A	N/A	Inc-STIM2-5
A_23_P48561	10,4359	11,1492	-1,639550115	ENST00000429593	10278	NM_005864	EFS
A_24_P626932	2,6802	3,39364	-1,639709225	N/A	100133790	AF007191	MUC3
A_23_P204436	6,58649	7,29998	-1,639766054	ENST00000547815	9815	NM_139201	GIT2
A_23_P55749	1,68694	2,40045	-1,639788786	ENST00000264828	50509	NM_015719	COL5A3
A_21_P0012498	1,49149	2,20522	-1,640038861	N/A	285194	NR_015391	TUSC7
A_33_P3419567	3,28334	3,99714	-1,640118438	ENST00000402452	642636	NM_001136566	RAD21L1
A_21_P0004770	1,40114	2,11497	-1,640152544	ENST00000445974	N/A	N/A	N/A
A_24_P416289	8,98022	9,69407	-1,640175281	ENST00000314256	9772	NM_014738	KIAA0195
A_23_P112634	9,57874	10,2926	-1,64018665	ENST00000512441	201895	NM_174921	SMIM14
A_33_P3296303	13,0324	13,7464	-1,640345822	ENST00000487080	51510	NM_016410	CHMP5
A_22_P00013363	1,47205	2,18623	-1,640550495	ENST00000550470	N/A	XR_429177	N/A
A_22_P00012982	1,45069	2,16492	-1,640607353	N/A	N/A	N/A	Inc-REV3L-1
A_23_P200325	8,99638	9,71065	-1,640652841	ENST00000251507	9910	NM_014857	RABGAP1L

A_33_P3363537	5,60824	6,32265	-1,640812059	N/A	N/A	AW571659	N/A
A_33_P3313864	3,58927	4,30385	-1,641005416	N/A	N/A	N/A	Inc-CTIF-1
A_21_P0013126	1,96889	2,68369	-1,641255676	ENST00000431001	N/A	N/A	N/A
A_21_P0005788	2,37934	3,09418	-1,641301181	N/A	N/A	N/A	Inc-CSMD1-1
A_23_P82738	8,46874	9,18382	-1,641574243	ENST00000611249	25788	NM_012415	RAD54B
A_24_P7594	8,45719	9,17244	-1,64176769	ENST00000409652	80830	NM_030641	APOL6
A_24_P82106	10,9102	11,6255	-1,64182459	ENST00000311852	4323	NM_004995	MMP14
A_21_P0012387	1,48654	2,20185	-1,64183597	N/A	N/A	N/A	XLOC_I2_009811
A_23_P124417	9,852	10,5674	-1,641938397	ENST00000302759	699	NM_004336	BUB1
A_33_P3693034	1,4335	2,149	-1,642052211	N/A	402779	NR_038372	CSMD2-AS1
A_21_P0003906	2,41745	3,13296	-1,642063593	ENST00000504237	102724809	XR_425796	LOC102724809
A_22_P00020400	7,44728	8,16285	-1,642131886	N/A	730183	NM_001256932	LOC730183
A_33_P3275255	6,79948	7,51506	-1,642143268	N/A	N/A	DQ786257	N/A
A_21_P0003383	2,38126	3,09687	-1,642177416	ENST00000510505	N/A	N/A	N/A
A_22_P00001463	4,85255	5,56828	-1,642314014	ENST00000547902	N/A	BX088918	N/A
A_21_P0005762	1,87946	2,5952	-1,642325398	N/A	N/A	N/A	Inc-TRIB1-2
A_22_P00013456	3,67377	4,38958	-1,642405086	N/A	100499227	NR_034160	USP2-AS1
A_21_P0013093	1,44016	2,15601	-1,642450624	N/A	N/A	N/A	XLOC_I2_013120
A_23_P122134	1,62118	2,33708	-1,642507548	ENST00000255262	56923	NM_020167	NMUR2
A_23_P317667	1,47465	2,19072	-1,642701104	ENST00000344330	23308	NM_015259	ICOSLG
A_24_P6428	5,18289	5,89909	-1,642849133	ENST00000358293	63939	NM_022106	FAM217B
A_33_P3303121	8,71065	9,42689	-1,642894683	N/A	5912	NM_002886	RAP2B
A_22_P00021144	2,30674	3,02323	-1,6431794	N/A	N/A	BC035400	Inc-ARHGAP18-2
A_33_P3286724	12,0599	12,7764	-1,643190789	ENST00000572940	5338	NM_002663	PLD2
A_22_P00016141	1,49456	2,21107	-1,643202179	ENST00000583942	100505817	NR_038340	LOC100505817
A_33_P3340094	2,78971	3,50625	-1,643236349	ENST00000380888	N/A	AK127732	N/A
A_19_P00812190	7,01453	7,73112	-1,6432933	N/A	N/A	N/A	XLOC_I2_000297
A_33_P3333238	1,47179	2,1885	-1,643429991	ENST00000613849	3235	NM_014213	HOXD9
A_33_P3263392	3,84805	4,56485	-1,643532517	N/A	729696	AK126149	LOC729696
A_23_P208788	16,168	16,885	-1,643760375	ENST00000589986	64073	NM_033520	C19orf33
A_21_P0014207	1,43278	2,1498	-1,643783162	N/A	101927721	XR_242321	LOC101927721
A_21_P0008552	2,32031	3,03735	-1,64380595	ENST00000440089	338963	NR_034139	LOC338963
A_33_P3399019	9,05182	9,76902	-1,643988264	ENST00000444460	125893	NM_001031665	ZNF816

A_22_P00000590	1,5514	2,26865	-1,644045241	N/A	N/A	N/A	Inc-ACACA-1
A_21_P0000812	6,31667	7,034	-1,644136409	N/A	400604	NR_038458	TOB1-AS1
A_23_P138507	11,4791	12,1965	-1,644216185	ENST00000448257	983	NM_001786	CDK1
A_33_P3394972	3,88418	4,60161	-1,644250376	ENST00000534491	114879	NM_020896	OSBPL5
A_22_P00010839	1,68629	2,40399	-1,644558126	N/A	N/A	N/A	Inc-NOD1-1
A_22_P00023739	1,36968	2,08748	-1,644672122	N/A	N/A	BU570793	Inc-RP11-44L9.1.1-11
A_33_P3307955	8,8577	9,57554	-1,644717722	ENST00000315713	5825	NM_001122674	ABCD3
A_33_P3305958	1,57274	2,2906	-1,644740523	ENST00000558678	9895	NM_001172631	TECPR2
A_23_P94434	5,45387	6,17188	-1,644911539	ENST00000354323	646962	NM_001039792	HRCT1
A_23_P102058	2,40298	3,12104	-1,644968548	ENST00000407540	4148	NM_002381	MATN3
A_24_P636332	10,4083	11,1264	-1,645014157	ENST00000334418	338657	NM_198489	CCDC84
A_23_P76015	11,5429	12,2611	-1,645128185	ENST00000263674	9828	NM_014786	ARHGEF17
A_21_P0005020	4,20271	4,92092	-1,645139588	N/A	100130889	NR_026816	PSORS1C3
A_23_P170058	12,3731	13,0914	-1,64524222	ENST00000373237	5690	NM_002794	PSMB2
A_23_P65022	7,14705	7,8656	-1,645527344	ENST00000242592	35	NM_000017	ACADS
A_33_P3258923	3,93996	4,65857	-1,645595781	ENST00000314520	7681	NM_005664	MKRN3
A_22_P00012588	1,72267	2,44131	-1,64563	ENST00000505547	143162	NM_001018071	FRMPD2
A_22_P00012651	2,13443	2,85308	-1,645641407	N/A	N/A	N/A	Inc-PXDN-4
A_33_P3245922	10,6403	11,359	-1,645698442	ENST00000446500	4216	NM_006724	MAP3K4
A_23_P129829	11,7565	12,4755	-1,646040691	ENST00000579287	94103	NM_139280	ORMDL3
A_33_P3305770	3,06056	3,77959	-1,646074919	N/A	4077	NM_001291571	NBR1
A_33_P3253628	3,26149	3,98054	-1,646097739	ENST00000476487	85007	AK093737	PHYKPL
A_23_P20484	1,39959	2,11869	-1,646154789	ENST00000398054	2267	NM_201553	FGL1
A_33_P3297205	10,6641	11,3832	-1,646154789	ENST00000405640	79680	NM_024627	C22orf29
A_33_P3277890	4,26148	4,9806	-1,64617761	ENST00000527434	N/A	N/A	N/A
A_33_P3209491	5,72508	6,44459	-1,646622677	ENST00000171887	7145	NM_022648	TNS1
A_21_P0007887	2,97037	3,68994	-1,64669116	ENST00000549004	643770	N/A	LOC643770
A_22_P00001615	3,15123	3,87124	-1,647193452	ENST00000560314	N/A	N/A	N/A
A_23_P143692	8,12083	8,84132	-1,647741582	ENST00000466097	23616	NM_018957	SH3BP1
A_24_P217306	4,49132	5,21182	-1,647753003	ENST00000525172	84107	NM_032153	ZIC4
A_23_P356684	9,74563	10,4663	-1,647947178	ENST00000491782	54443	NM_018685	ANLN
A_21_P0014119	7,72961	8,4503	-1,647970023	N/A	101927597	NR_110176	NCK1-AS1
A_23_P62999	2,31337	3,03418	-1,648107103	ENST00000374280	2134	NM_004455	EXTL1

A_22_P00001854	4,82176	5,54259	-1,648129951	N/A	101929335	NR_110151	ADAMTS9-AS1
A_23_P134125	9,62809	10,349	-1,648221345	ENST00000359015	4217	NM_005923	MAP3K5
A_23_P258525	1,63116	2,3521	-1,648255619	ENST00000243911	4159	NM_019888	MC3R
A_21_P0001700	4,96254	5,6836	-1,648392723	ENST00000369466	8458	N/A	TTF2
A_19_P00807384	9,10947	9,83067	-1,648552692	ENST00000586784	101927151	NR_110687	LOC101927151
A_23_P311885	6,44032	7,16171	-1,648769817	ENST00000368136	84456	NM_032438	L3MBTL3
A_23_P8142	5,49593	6,21736	-1,648815532	ENST00000259938	1208	NM_001832	CLPS
A_33_P3380652	6,07721	6,79866	-1,648838389	ENST00000437154	10863	XR_247120	ADAM28
A_33_P3318671	14,1906	14,9121	-1,648895535	ENST00000374514	11313	NM_007260	LYPLA2
A_33_P3388771	1,50294	2,22446	-1,648918393	N/A	101060810	XM_006710044	LOC101060810
A_33_P3422030	4,90109	5,62264	-1,648952682	ENST00000392218	53827	N/A	FXD5
A_21_P0014843	5,18562	5,90724	-1,649032692	N/A	N/A	AK130387	N/A
A_24_P247286	1,51703	2,23877	-1,64916986	ENST00000329493	100128569	NM_001135580	C19orf71
A_24_P416370	5,00004	5,72184	-1,649238448	ENST00000332503	3214	NM_024015	HOXB4
A_21_P0006275	2,52903	3,25094	-1,649364201	N/A	N/A	N/A	Inc-PTAR1-1
A_24_P14010	11,7923	12,5143	-1,649467097	ENST00000258960	4836	NM_021079	NMT1
A_22_P00023874	1,49064	2,21272	-1,649558566	ENST00000454152	100507059	NR_108054	LINC00703
A_23_P205519	10,0171	10,7393	-1,649695778	ENST00000428304	63874	NM_022060	ABHD4
A_23_P353717	12,269	12,9914	-1,64992449	ENST00000572173	116028	NM_152308	RMI2
A_22_P00007617	1,40257	2,12508	-1,650050295	ENST00000418834	100507477	NR_121622	LOC100507477
A_33_P3355371	7,50134	8,22391	-1,65011892	ENST00000294161	283237	XR_247197	TTC9C
A_33_P3780901	10,8651	11,5877	-1,650153234	ENST00000267176	55206	NM_001167856	SBNO1
A_23_P212844	9,30703	10,0299	-1,650462089	ENST00000470808	10460	NM_006342	TACC3
A_22_P00013544	1,67845	2,40135	-1,650496409	ENST00000420710	N/A	N/A	N/A
A_22_P00000755	2,14666	2,86959	-1,650530731	ENST00000443714	N/A	N/A	N/A
A_22_P00002852	5,39705	6,12005	-1,650610817	N/A	N/A	DA457171	Inc-C3orf32-2
A_21_P0013922	6,56805	7,29122	-1,650805328	N/A	N/A	XM_005271373	Inc-PPIE-1
A_33_P7518452	7,14082	7,86413	-1,650965531	ENST00000361127	9860	XR_426743	LRIG2
A_24_P370472	2,13758	2,86092	-1,650999862	ENST00000618157	3126	NM_021983	HLA-DRB4
A_33_P3246022	3,74354	4,46705	-1,651194419	ENST00000624686	N/A	AK124556	N/A
A_32_P103633	12,0664	12,79	-1,65129743	ENST00000265056	4171	NM_004526	MCM2
A_32_P460973	13,5891	14,3128	-1,651411893	ENST00000612468	3133	NM_005516	HLA-E
A_33_P3292602	11,2205	11,9443	-1,651526364	ENST00000396994	N/A	N/A	N/A

A_23_P165504	1,72913	2,45326	-1,651904175	ENST00000236979	7141	NM_003284	TNP1
A_33_P3413989	1,68519	2,40952	-1,652133193	ENST00000405496	710	NM_000062	SERPING1
A_23_P144911	2,16821	2,89277	-1,652396604	ENST00000354891	133584	NM_152403	EGFLAM
A_23_P412029	4,4038	5,12838	-1,652419511	ENST00000602599	150962	NM_144709	PUS10
A_21_P0001253	2,72696	3,45154	-1,652419511	N/A	N/A	N/A	Inc-MIB2-1
A_22_P00017401	3,46682	4,19155	-1,652591325	N/A	N/A	N/A	Inc-VCAN-1
A_22_P00015574	6,47221	7,19718	-1,652866266	N/A	N/A	AK124887	Inc-STUB1-1
A_23_P393766	1,90548	2,63049	-1,652912093	ENST00000589953	284403	NM_173636	WDR62
A_23_P203773	2,67985	3,40496	-1,653026668	ENST00000317945	91057	NM_080654	CCDC34
A_21_P0010323	1,59606	2,3212	-1,653061043	N/A	N/A	N/A	Inc-SIK1-4
A_23_P207680	8,24325	8,96846	-1,653141252	ENST00000619860	100506084	NM_001039083	ARL17B
A_32_P538180	5,46605	6,1913	-1,653187087	ENST00000374296	164091	NM_178422	PAQR7
A_23_P155931	1,39994	2,12522	-1,653221464	ENST00000508016	56955	NM_020203	MEPE
A_24_P945000	8,05217	8,77748	-1,653255843	ENST00000330137	348235	NM_182620	SKA2
A_33_P3272493	2,33218	3,05769	-1,653485048	ENST00000354397	30835	NM_001144897	CD209
A_32_P935906	1,59312	2,31881	-1,653691361	N/A	286103	NR_026974	ZNF252P-AS1
A_33_P3385837	1,37029	2,09604	-1,653760137	ENST00000623087	79741	NM_024688	CCDC7
A_22_P00008800	2,51144	3,23724	-1,653817453	N/A	N/A	N/A	Inc-KIRREL-1
A_22_P00002958	1,59959	2,32542	-1,653851844	N/A	N/A	N/A	Inc-C5orf63-1
A_23_P145777	15,394	16,1199	-1,653932091	ENST00000482299	4697	NM_002489	NDUFA4
A_22_P00023302	1,39021	2,11629	-1,654138459	ENST00000523502	N/A	BC017739	N/A
A_32_P341615	4,32776	5,05384	-1,654138459	ENST00000374283	158401	NM_173521	C9orf84
A_23_P65757	13,2404	13,9666	-1,654276052	ENST00000621385	9133	NM_004701	CCNB2
A_21_P0000832	1,54462	2,27087	-1,654333386	N/A	100507300	NR_038907	ALKBH3-AS1
A_21_P0010679	5,76886	6,49519	-1,654425124	N/A	N/A	N/A	XLOC_I2_001362
A_23_P93499	10,7305	11,457	-1,654620085	ENST00000495806	51106	NM_016020	TFB1M
A_21_P0002874	1,46888	2,1954	-1,654643023	ENST00000490139	101929717	N/A	LOC101929717
A_23_P107313	9,84551	10,5722	-1,65483801	ENST00000587338	6388	NM_006923	SDF2
A_22_P00006225	1,36047	2,08721	-1,654895363	N/A	N/A	N/A	Inc-FAM50B-1
A_33_P3212172	1,68337	2,41022	-1,655021547	ENST00000557789	79856	NM_024798	SNX22
A_23_P213959	8,8833	9,6102	-1,655078907	ENST00000394320	133522	NM_133263	PPARGC1B
A_21_P0005569	1,63649	2,36341	-1,655101851	N/A	N/A	N/A	Inc-DYNC111-1
A_19_P00316107	8,13614	8,86309	-1,655136269	N/A	26013	AB014581	L3MBTL1

A_33_P3228128	12,3038	13,0308	-1,655193632	ENST00000340192	2067	NM_202001	ERCC1
A_23_P98930	10,4009	11,128	-1,655308365	ENST00000535596	55196	NM_018169	KIAA1551
A_23_P58443	8,67205	9,39925	-1,655423107	ENST00000532219	404734	NM_020690	ANKHD1-EIF4EBP3
A_33_P3404749	7,25403	7,98132	-1,655526381	ENST00000334528	342184	NM_001277313	FMN1
A_19_P00322407	4,25829	4,98576	-1,655732948	N/A	729178	NR_034115	STXBP5-AS1
A_22_P00013922	1,55193	2,27943	-1,655767378	ENST00000465509	139324	N/A	HDX
A_21_P0008072	5,77347	6,50099	-1,655790332	N/A	N/A	N/A	Inc-AL445989.1-2
A_24_P106502	5,28535	6,01289	-1,655813286	ENST00000394259	29964	NM_013397	PRICKLE4
A_21_P0006382	1,34248	2,07013	-1,65593954	N/A	N/A	N/A	Inc-AGTPBP1-3
A_23_P100203	10,6486	11,3763	-1,655996932	ENST00000433866	3281	NM_001537	HSBP1
A_21_P0013520	1,70568	2,43347	-1,656100242	N/A	N/A	N/A	XLOC_I2_014566
A_33_P3320112	2,54239	3,2702	-1,6561232	N/A	N/A	N/A	N/A
A_22_P00000741	9,4253	10,1532	-1,656226518	ENST00000400362	642852	NR_026943	LOC642852
A_22_P00013909	6,38865	7,11658	-1,656260958	ENST00000534384	2542	NM_001164277	SLC37A4
A_33_P3408599	1,70922	2,4372	-1,656318361	ENST00000610245	N/A	AK126604	N/A
A_22_P00006098	5,10132	5,82945	-1,656490581	N/A	N/A	N/A	Inc-FAM164C-1
A_33_P6470455	1,3487	2,07684	-1,656502063	ENST00000515213	442497	NR_033960	LOC442497
A_22_P00004035	3,19673	3,92489	-1,656525027	ENST00000437569	N/A	N/A	N/A
A_32_P154473	1,47826	2,20643	-1,656536509	ENST00000435030	3800	NM_004522	KIF5C
A_33_P3342802	1,44879	2,17706	-1,656651336	N/A	649294	AK091259	LOC649294
A_32_P221991	4,96188	5,69024	-1,656754686	ENST00000472427	9649	NM_014636	RALGPS1
A_23_P41304	2,12181	2,85035	-1,656961406	ENST00000437468	2996	NM_002102	GYPE
A_23_P77833	7,57876	8,30734	-1,657007348	ENST00000588169	9489	NM_024419	PGS1
A_23_P43157	6,01552	6,74411	-1,657018833	ENST00000522677	4603	NM_001080416	MYBL1
A_22_P00002758	8,65692	9,38562	-1,657145179	ENST00000569966	N/A	BC009635	N/A
A_33_P3349586	1,52801	2,2569	-1,657363437	N/A	55971	AK124269	BAIAP2L1
A_23_P259586	9,26228	9,99139	-1,657616191	ENST00000504590	7272	NM_003318	TTK
A_22_P00006156	1,53141	2,26052	-1,657616191	N/A	N/A	N/A	Inc-FAM196B-1
A_21_P0012243	1,58704	2,3162	-1,657673641	ENST00000609932	100130418	N/A	CECR7
A_23_P89163	11,6375	12,3667	-1,657719602	ENST00000589210	23265	NM_001013839	EXOC7
A_22_P00000385	2,8727	3,60194	-1,657765564	ENST00000515436	N/A	N/A	N/A
A_24_P163537	10,7356	11,4651	-1,658064351	ENST00000457408	222068	NM_182547	TMED4
A_24_P169688	6,21261	6,94242	-1,658420667	ENST00000469155	4277	NM_005931	MICB

A_33_P3275310	6,51812	7,24806	-1,658570112	ENST00000359366	4287	NM_004993	ATXN3
A_24_P219108	3,10323	3,83328	-1,658696577	ENST00000557413	83694	NM_031464	RPS6KL1
A_23_P404730	4,11368	4,84389	-1,658880542	ENST00000007510	115703	NM_052948	ARHGAP33
A_22_P00012164	5,89442	6,62481	-1,659087528	ENST00000454957	N/A	N/A	N/A
A_22_P00005225	1,75807	2,48847	-1,659099028	ENST00000556475	79104	N/A	MEG8
A_33_P3389230	6,79401	7,52445	-1,659145028	ENST00000373691	2833	NM_001142797	CXCR3
A_32_P98683	10,7291	11,4598	-1,659444064	ENST00000618876	4302	NM_005937	MLLT6
A_24_P32520	7,33621	8,06697	-1,659513079	ENST00000300650	257160	NM_001077239	RNF214
A_23_P69513	4,71818	5,44906	-1,65965112	ENST00000344733	6002	NM_198229	RGS12
A_23_P83159	1,57409	2,305	-1,659685631	ENST00000359039	55958	NM_018847	KLHL9
A_21_P0001540	3,36311	4,09405	-1,659720144	N/A	N/A	N/A	Inc-GBP5-2
A_33_P3288359	14,3685	15,0997	-1,660019283	ENST00000570985	5699	NM_002801	PSMB10
A_22_P00013837	1,34288	2,07424	-1,660203395	N/A	100874070	NR_046547	USP12-AS1
A_19_P00806882	12,5412	13,2726	-1,660249426	ENST00000440046	N/A	N/A	N/A
A_24_P185604	8,1665	8,89807	-1,660445073	ENST00000373773	57446	NM_032013	NDRG3
A_23_P79247	5,28941	6,02102	-1,660491111	ENST00000482051	80055	NM_024989	PGAP1
A_21_P0009770	1,9594	2,69102	-1,660502621	N/A	N/A	N/A	Inc-ZNF296-1
A_33_P3292264	4,07366	4,80558	-1,660847949	ENST00000360254	84976	N/A	DISP1
A_33_P3331188	8,46635	9,19831	-1,660893998	ENST00000568978	57636	NM_001199417	ARHGAP23
A_22_P00009795	1,44173	2,17392	-1,661158805	ENST00000437790	N/A	N/A	N/A
A_32_P47107	9,55875	10,291	-1,661227892	ENST00000561761	N/A	N/A	N/A
A_22_P00004093	1,49141	2,22386	-1,661458203	N/A	N/A	N/A	Inc-CIT-6
A_23_P340263	1,49766	2,23029	-1,66166551	ENST00000513656	285533	NM_173662	RNF175
A_22_P00000977	2,04576	2,77843	-1,661711582	N/A	220930	NR_024284	ZEB1-AS1
A_33_P3312661	1,39405	2,12675	-1,661746137	N/A	N/A	AK090819	N/A
A_22_P00001478	7,64935	8,38209	-1,661792211	ENST00000506774	8629	NM_003724	JRK
A_32_P189204	5,51863	6,25142	-1,661849805	ENST00000266754	283431	NM_174942	GAS2L3
A_24_P370670	11,7049	12,4377	-1,661861324	ENST00000487874	100506144	NM_001195156	ZMYM6NB
A_32_P131050	8,67736	9,41017	-1,661872844	ENST00000360647	7707	NM_021964	ZNF148
A_21_P0014552	1,35993	2,09279	-1,661930441	N/A	N/A	N/A	N/A
A_23_P30805	11,3293	12,0622	-1,66197652	ENST00000355057	8363	NM_021968	HIST1H4J
A_33_P3288569	9,99037	10,7235	-1,6622415	ENST00000603913	51562	NM_001144891	MBIP
A_21_P0013652	5,616	6,34925	-1,662379767	N/A	N/A	N/A	XLOC_I2_015213

A_23_P66719	8,93625	9,6698	-1,662725485	ENST00000394901	147015	NM_144683	DHRS13
A_23_P90659	13,1355	13,8691	-1,662783111	ENST00000175091	9741	NM_014713	LAPTM4A
A_33_P3262069	5,26106	5,99468	-1,662806163	ENST00000338569	338755	NM_001004490	OR2AG2
A_22_P00022185	8,30798	9,0416	-1,662806163	ENST00000319018	202915	NM_001097620	TMEM184A
A_23_P372255	8,15315	8,88708	-1,663163498	ENST00000429204	3707	NM_002221	ITPKB
A_24_P75460	1,94477	2,67874	-1,663209611	ENST00000312504	402117	NM_001080500	VWC2L
A_21_P0005577	3,05048	3,78456	-1,663336429	N/A	N/A	N/A	Inc-EXOC4-1
A_32_P5480	12,084	12,8181	-1,663359488	ENST00000392687	253782	NM_203463	CERS6
A_23_P324327	10,5014	11,2356	-1,663474787	ENST00000569479	51704	NM_016235	GPRC5B
A_23_P409168	7,91548	8,64992	-1,663751538	ENST00000477412	23218	NM_015175	NBEAL2
A_32_P158355	10,3276	11,0621	-1,663820733	ENST00000532875	200810	NM_001015050	ALG1L
A_21_P0014484	1,38129	2,11584	-1,663878398	N/A	N/A	N/A	N/A
A_33_P3273298	7,11504	7,84961	-1,663901464	ENST00000504146	126017	NM_001004301	ZNF813
A_33_P3368445	1,51206	2,24678	-1,664074472	N/A	N/A	N/A	N/A
A_33_P3264269	7,0796	7,8144	-1,664166751	ENST00000357443	4343	NM_001286072	MOV10
A_33_P3364498	12,7019	13,4368	-1,664282106	N/A	N/A	N/A	N/A
A_24_P217904	7,2996	8,03453	-1,664316714	ENST00000372922	55809	NM_001297573	TRERF1
A_33_P3420655	9,50969	10,2447	-1,664409006	ENST00000372396	9682	NM_014663	KDM4A
A_23_P337270	2,95689	3,69191	-1,664420543	ENST00000383771	152110	XM_006712997	NEK10
A_33_P3294583	4,10888	4,84417	-1,664732068	N/A	256880	AK123926	LOC256880
A_23_P11644	8,55467	9,29009	-1,664882082	ENST00000368756	6703	NM_006945	SPRR2D
A_21_P0010396	3,29728	4,03274	-1,664928243	N/A	N/A	N/A	Inc-RGL4-4
A_24_P921155	9,30897	10,0445	-1,665009028	ENST00000383675	25871	NM_015412	C3orf17
A_33_P3295178	4,15465	4,89021	-1,665043651	ENST00000371376	51668	AK128270	HSPB11
A_22_P00024976	4,44239	5,17798	-1,665078275	N/A	N/A	N/A	Inc-LAT2-1
A_24_P924591	11,0039	11,7395	-1,665089817	ENST00000258963	7716	NM_007146	VEZF1
A_23_P11331	11,8454	12,581	-1,665089817	ENST00000372685	90843	NM_153333	TCEAL8
A_23_P397391	3,40879	4,14447	-1,665182152	ENST00000246549	2867	NM_005306	FFAR2
A_23_P376239	8,86685	9,60256	-1,665216778	ENST00000554666	10914	NM_032632	PAPOLA
A_23_P78867	1,53859	2,27434	-1,665262949	ENST00000359596	6261	NM_000540	RYR1
A_21_P0008229	1,63425	2,37	-1,665262949	N/A	N/A	N/A	Inc-ZMYM2-1
A_21_P0002586	4,3536	5,08936	-1,665274491	ENST00000238831	84272	N/A	YIPF4
A_22_P00023760	1,34551	2,08143	-1,665459187	ENST00000425194	N/A	N/A	N/A



A_23_P318284	8,61395	9,35003	-1,665643902	ENST00000474846	23171	NM_015141	GPD1L
A_23_P142389	10,9305	11,6668	-1,665897919	ENST00000621372	51599	NM_205834	LSR
A_23_P148584	3,63534	4,37175	-1,666024943	ENST00000276202	139818	NM_144658	DOCK11
A_21_P0006211	1,64125	2,37802	-1,666440723	N/A	N/A	N/A	Inc-PALM2-AKAP2-1
A_32_P178499	2,71748	3,45425	-1,666440723	ENST00000459925	388284	NM_001012984	C16orf86
A_24_P69379	7,02071	7,75771	-1,666706414	ENST00000471944	64921	NM_022900	CASD1
A_33_P3265304	1,64718	2,38422	-1,666752626	N/A	N/A	N/A	N/A
A_23_P207106	5,30388	6,04098	-1,666821946	ENST00000306071	1140	NM_000747	CHRN1
A_23_P66241	11,0119	11,7492	-1,667053032	ENST00000379818	4499	NM_176870	MT1M
A_24_P941831	7,6704	8,40774	-1,667099253	ENST00000495329	65062	NM_001044385	TMEM237
A_22_P00022057	2,01454	2,7519	-1,667122364	N/A	101927762	NR_120629	LOC101927762
A_22_P00025353	1,63306	2,37042	-1,667122364	ENST00000583436	N/A	BX096476	N/A
A_33_P3299081	2,78114	3,51869	-1,667341936	ENST00000379319	54991	XM_006710717	C1orf159
A_22_P00003586	2,13066	2,8683	-1,667445953	ENST00000514791	N/A	N/A	N/A
A_22_P00011736	5,63259	6,37028	-1,667503743	ENST00000456090	N/A	N/A	N/A
A_23_P155907	12,581	13,3188	-1,667630889	ENST00000296411	23173	NM_015143	METAP1
A_22_P00015496	3,58742	4,32529	-1,667711805	ENST00000445227	N/A	N/A	N/A
A_33_P3444555	3,69795	4,43586	-1,667758044	N/A	N/A	N/A	N/A
A_21_P0014503	8,16468	8,90273	-1,667919892	N/A	100507398	NR_103812	INTS6-AS1
A_22_P00003805	1,71727	2,45533	-1,667931454	N/A	N/A	BX648047	Inc-CDKN2A-1
A_23_P70897	9,48291	10,2211	-1,668081756	ENST00000490089	55063	NM_017984	ZCWPW1
A_19_P00321202	8,77374	9,51202	-1,66818582	ENST00000389622	131544	NM_153605	CRYBG3
A_23_P78771	9,52632	10,2646	-1,66818582	ENST00000485798	4924	NM_006184	NUCB1
A_22_P00001894	4,18334	4,92163	-1,668197383	N/A	N/A	N/A	Inc-B4GALNT3-1
A_21_P0013105	6,27405	7,01253	-1,668417095	ENST00000454588	N/A	N/A	N/A
A_23_P39465	12,6203	13,3589	-1,668555876	ENST00000533098	684	NM_004335	BST2
A_23_P63050	13,1181	13,8567	-1,668555876	ENST00000466193	7389	NM_000374	UROD
A_21_P0000759	4,81936	5,55799	-1,668590573	N/A	100505746	NR_038311	ITGB2-AS1
A_33_P3237574	13,0056	13,7445	-1,668902879	ENST00000376802	3105	NM_001242758	HLA-A
A_22_P00023801	1,38839	2,12731	-1,668926015	N/A	N/A	BM023288	Inc-ADCK3-1
A_22_P00020330	5,79008	6,5291	-1,6690417	N/A	N/A	N/A	Inc-ANGEL1-2
A_24_P203964	8,74024	9,47927	-1,669053269	ENST00000622284	11039	N/A	SMA4
A_33_P3220113	5,37023	6,10932	-1,669122684	ENST00000313956	100529240	NM_001202473	ZNF816-ZNF321P

A_24_P350649	10,5732	11,3123	-1,669134254	ENST00000568530	55066	NM_017990	PDPR
A_22_P00022750	5,8228	6,562	-1,669249953	N/A	101929901	XR_425140	LOC101929901
A_32_P34589	9,95927	10,6985	-1,669284665	ENST00000480119	51319	NM_016625	RSRC1
A_33_P3352767	8,91793	9,65718	-1,669307806	N/A	4157	NM_002386	MC1R
A_19_P00322183	2,79294	3,53244	-1,6695971	N/A	N/A	N/A	Inc-NR5A2-1
A_24_P38081	5,10266	5,8422	-1,669643392	ENST00000357266	2289	NM_004117	FKBP5
A_33_P3349501	4,1084	4,84795	-1,669654965	N/A	N/A	N/A	N/A
A_21_P0000166	2,77402	3,51357	-1,669654965	ENST00000595691	100506012	NM_001205281	PPP5D1
A_33_P3323902	1,7337	2,47341	-1,669840146	ENST00000530001	245940	NM_001037804	DEFB130
A_23_P348257	9,76978	10,5095	-1,669851721	ENST00000261402	9891	NM_014840	NUAK1
A_24_P76078	10,8211	11,5611	-1,670175839	ENST00000580924	N/A	N/A	N/A
A_23_P327140	5,25371	5,99407	-1,670592655	ENST00000560083	57674	NM_001256071	RNF213
A_19_P00808120	6,65476	7,39516	-1,670638974	ENST00000622362	285550	NM_001145191	FAM200B
A_33_P3277952	1,69008	2,43056	-1,670731617	N/A	N/A	N/A	N/A
A_33_P3216232	6,47967	7,22016	-1,670743197	ENST00000483795	9270	NM_004763	ITGB1BP1
A_33_P3368453	11,3176	12,0582	-1,67087059	ENST00000400322	100507436	NM_000247	MICA
A_33_P3283636	5,77014	6,51078	-1,670916917	N/A	N/A	N/A	N/A
A_22_P00001253	8,66633	9,407	-1,670951663	N/A	N/A	BC073749	Inc-ANKRD34B-2
A_33_P3248222	1,50027	2,24097	-1,67098641	N/A	N/A	N/A	N/A
A_23_P130764	9,15307	9,89387	-1,671102238	ENST00000342291	3770	NM_013348	KCNJ14
A_22_P00023751	1,59402	2,33489	-1,671183322	N/A	N/A	N/A	Inc-A1CF-3
A_23_P34877	7,25319	7,99413	-1,67126441	ENST00000487146	64783	NM_022768	RBM15
A_23_P343900	1,37649	2,11755	-1,671403428	ENST00000450948	N/A	AF085654	N/A
A_23_P168965	8,35969	9,10076	-1,671415013	ENST00000390159	56260	NM_019607	C8orf44
A_33_P3355659	2,83232	3,57344	-1,671472941	ENST00000380035	390598	NM_001258024	SKOR1
A_23_P211080	6,84397	7,58521	-1,671611976	ENST00000342136	3455	NM_207585	IFNAR2
A_22_P00023628	3,21604	3,95728	-1,671611976	N/A	N/A	AK056249	Inc-ZC3H14-1
A_23_P149775	10,3479	11,0895	-1,672029151	ENST00000344936	94134	NM_018287	ARHGAP12
A_33_P3291662	1,43813	2,17975	-1,67205233	N/A	N/A	N/A	N/A
A_21_P0003508	2,36485	3,10651	-1,67209869	ENST00000507844	N/A	N/A	N/A
A_21_P0005056	1,43181	2,17359	-1,672237777	N/A	N/A	N/A	Inc-SERINC1-1
A_23_P349566	2,28802	3,02995	-1,672411652	ENST00000407595	114800	NM_001080433	CCDC85A
A_33_P3415012	2,05653	2,7986	-1,672573952	ENST00000280684	3742	NM_002235	KCNA6

A_21_P0009248	2,97093	3,71301	-1,672585545	N/A	N/A	N/A	Inc-TMEM106A-1
A_21_P0002516	2,90988	3,652	-1,67263192	N/A	N/A	N/A	Inc-COBLL1-1
A_33_P3416037	12,9241	13,6665	-1,672956578	ENST00000559705	84191	NM_001014812	FAM96A
A_22_P00007600	2,26881	3,01127	-1,673026155	N/A	N/A	AA354059	Inc-HDGFL1-3
A_33_P3263603	6,77698	7,51965	-1,6732697	ENST00000592994	N/A	N/A	N/A
A_24_P374973	3,57212	4,3148	-1,673281299	ENST00000449851	N/A	N/A	N/A
A_33_P3284715	7,07376	7,81651	-1,673362489	N/A	677767	NR_003001	SCARNA7
A_23_P25605	7,91993	8,6627	-1,673385687	ENST00000379483	84078	NM_032138	KBTBD7
A_21_P0009499	1,42822	2,17108	-1,673490081	N/A	N/A	N/A	Inc-TIMM21-3
A_23_P207927	9,43524	10,1781	-1,673490081	ENST00000268942	55028	NM_001288770	C17orf80
A_23_P107432	4,67157	5,41451	-1,673582882	ENST00000577684	400579	NR_104343	FLJ35934
A_21_P0003899	1,46666	2,21007	-1,674128189	N/A	N/A	N/A	Inc-UNC5C-1
A_21_P0000898	4,33756	5,08102	-1,674186211	ENST00000432296	100131234	NR_040073	MIR181A1HG
A_23_P86195	10,1442	10,8877	-1,67423263	ENST00000446120	126969	NM_152369	SLC44A3
A_21_P0007677	2,08939	2,83293	-1,67427905	N/A	N/A	N/A	Inc-FBXL14-2
A_24_P375683	14,1178	14,8614	-1,674348683	ENST00000486538	N/A	N/A	N/A
A_22_P00018293	2,11554	2,85917	-1,6743835	ENST00000444032	N/A	N/A	N/A
A_24_P187086	1,42932	2,17328	-1,67476654	ENST00000326105	N/A	N/A	N/A
A_21_P0009905	1,38934	2,13332	-1,674789757	N/A	N/A	N/A	Inc-PREX1-6
A_22_P00002684	2,79109	3,53508	-1,674801366	N/A	N/A	N/A	Inc-C1orf53-1
A_23_P136196	5,96708	6,71108	-1,674812975	ENST00000264866	55296	NM_018317	TBC1D19
A_22_P00001843	10,2383	10,9825	-1,675045169	ENST00000545170	4287	NM_004993	ATXN3
A_23_P129332	1,57512	2,3194	-1,675138056	ENST00000529791	114780	NM_001076780	PKD1L2
A_19_P00327406	1,40803	2,15235	-1,675184502	N/A	N/A	N/A	Inc-RP11-150O12.1.1-1
A_21_P0014311	1,62404	2,3684	-1,675230948	N/A	N/A	BX107056	Inc-CRAMP1L-1
A_33_P3277373	2,33387	3,07842	-1,675451587	ENST00000215781	5008	NM_020530	OSM
A_24_P382119	10,2055	10,9501	-1,675509655	ENST00000323456	9110	NM_004687	MTMR4
A_33_P3416513	1,64881	2,39357	-1,675695485	ENST00000304519	203076	NM_001040032	C8orf74
A_33_P3282000	2,87105	3,61582	-1,6757071	N/A	643072	NR_110587	LOC643072
A_23_P500799	9,71629	10,4611	-1,675753561	ENST00000505117	839	NM_001226	CASP6
A_21_P0011756	2,97246	3,71741	-1,675916186	ENST00000600007	101059948	N/A	LOC101059948
A_23_P251412	2,12007	2,86502	-1,675916186	ENST00000612225	10590	NM_006998	SCGN
A_21_P0002644	1,98559	2,73057	-1,675951036	N/A	N/A	N/A	Inc-CMPK2-13

A_33_P3220911	12,9631	13,7082	-1,676090443	ENST00000252593	684	NM_004335	BST2
A_33_P3437283	1,65841	2,4036	-1,676195006	N/A	643551	AK128004	LOC643551
A_23_P166438	2,09819	2,84339	-1,676206625	ENST00000249044	80831	NM_030642	APOL5
A_33_P3390580	8,16958	8,91498	-1,676439012	ENST00000436374	9720	NM_014695	CCDC144A
A_33_P3283083	3,88261	4,62804	-1,676473873	ENST00000503927	8821	NM_003866	INPP4B
A_32_P165113	9,34605	10,0915	-1,676497114	ENST00000406334	116143	NM_138458	WDR92
A_21_P0006010	1,54042	2,28588	-1,676508735	ENST00000614608	N/A	N/A	N/A
A_19_P00322573	6,98183	7,72742	-1,676659811	ENST00000430244	101929736	NR_108104	LINC01372
A_23_P321949	2,92788	3,67347	-1,676659811	ENST00000482011	5320	NM_000300	PLA2G2A
A_33_P3388938	3,9529	4,69861	-1,676799277	N/A	197187	NR_024402	SNAI3-AS1
A_22_P00005135	4,0357	4,78145	-1,676845768	ENST00000544727	440117	NR_033970	LOC440117
A_21_P0003069	1,90688	2,65268	-1,676903885	N/A	N/A	N/A	Inc-EIF2B5-1
A_24_P211151	8,84595	9,59177	-1,676927132	ENST00000593523	56915	NM_020158	EXOSC5
A_33_P3316983	8,96884	9,71496	-1,677275875	ENST00000398289	92482	NM_001195304	BBIP1
A_24_P930418	2,89592	3,64212	-1,677368885	N/A	11030	AK057533	RBPM5
A_33_P3220570	10,7981	11,5445	-1,677601434	ENST00000370664	80019	NM_024954	UBTD1
A_22_P00005984	1,98296	2,72936	-1,677601434	N/A	101929109	XR_241821	LOC101929109
A_22_P00001143	1,63468	2,38111	-1,677636319	N/A	N/A	BC131743	Inc-AMFR-1
A_23_P401547	9,0084	9,75489	-1,677706092	ENST00000319792	25945	NM_015480	PVRL3
A_23_P28434	14,6475	15,394	-1,677717721	ENST00000263864	8673	NM_003761	VAMP8
A_23_P350719	1,43337	2,17992	-1,677775867	ENST00000480827	124221	NR_026864	PRSS30P
A_22_P00010253	1,93761	2,6847	-1,678403975	N/A	N/A	N/A	Inc-MTERF-5
A_23_P158829	9,42897	10,1761	-1,678450511	ENST00000269260	409	NM_004313	ARRB2
A_23_P31671	13,9057	14,6529	-1,678531952	ENST00000521948	7381	NM_006294	UQCRB
A_21_P0007917	3,85436	4,60183	-1,678846118	N/A	N/A	N/A	Inc-GPR183-2
A_23_P74001	3,4076	4,1551	-1,678881029	ENST00000368737	6283	NM_005621	S100A12
A_33_P3356995	2,56523	3,31279	-1,678950853	ENST00000520381	10565	XM_005251136	ARFGEF1
A_23_P111452	12,3116	13,0593	-1,679113788	ENST00000473633	116988	NM_031946	AGAP3
A_23_P50646	7,4897	8,23758	-1,679323298	ENST00000562255	390940	NM_001193621	PINLYP
A_22_P00024785	1,52006	2,26795	-1,679334938	ENST00000436433	N/A	N/A	N/A
A_24_P304051	14,0517	14,7996	-1,679346578	ENST00000493946	9446	NM_004832	GSTO1
A_33_P3383955	9,5662	10,3141	-1,679346578	ENST00000610805	1643	NM_001300734	DDB2
A_23_P149690	7,41738	8,1654	-1,679486268	ENST00000502512	55229	NM_018216	PANK4

A_33_P3325671	2,27698	3,02533	-1,679870476	ENST00000508239	N/A	XM_003403421	N/A
A_21_P0007778	1,58301	2,33138	-1,679893764	N/A	N/A	N/A	Inc-DHX37-3
A_33_P3228190	5,66979	6,41818	-1,679917052	ENST00000435937	8514	NM_001199860	KCNAB2
A_21_P0002237	1,50708	2,25565	-1,680126663	N/A	N/A	N/A	Inc-ETAA1-4
A_22_P00016496	7,92577	8,67468	-1,680522665	N/A	N/A	BC005066	Inc-TMEM99-5
A_21_P0010680	1,40958	2,15854	-1,680580908	ENST00000421207	100506795	NR_038426	LINC01354
A_33_P3358914	7,86065	8,60969	-1,680674102	ENST00000610551	57636	NM_001199417	ARHGAP23
A_23_P318420	8,22838	8,97762	-1,680907109	ENST00000271277	55917	NM_018704	CTTNBP2NL
A_23_P108501	7,57019	8,31948	-1,680965366	ENST00000424339	2043	NM_004438	EPHA4
A_32_P195401	8,80191	9,55168	-1,681524734	ENST00000392238	150864	NM_173511	FAM117B
A_23_P44836	9,72849	10,4783	-1,681571356	ENST00000478091	64943	NM_022908	NT5DC2
A_33_P3327277	4,05658	4,80639	-1,681571356	ENST00000603594	340706	NM_001272046	VWA2
A_23_P49768	12,2325	12,9824	-1,681676262	ENST00000225969	51264	NM_016504	MRPL27
A_33_P3306068	8,17021	8,92037	-1,681979358	N/A	4610	NM_001033081	MYCL
A_23_P396062	8,42101	9,17119	-1,682002675	ENST00000535977	57799	NM_021168	RAB40C
A_33_P3326772	14,3227	15,073	-1,682142586	ENST00000341942	389541	NM_001008395	LAMTOR4
A_22_P00023546	3,69091	4,44126	-1,682200885	N/A	N/A	BM694243	Inc-PANK4-1
A_32_P54137	16,014	16,7644	-1,682259187	ENST00000483273	7388	NM_006004	UQCRH
A_22_P00011693	9,98377	10,7342	-1,682294169	N/A	5165	NM_001142386	PDK3
A_23_P17914	8,30235	9,05284	-1,682364135	ENST00000216180	80339	NM_025225	PNPLA3
A_21_P0003402	1,46432	2,21487	-1,682434104	ENST00000507332	101927305	NR_125884	LOC101927305
A_23_P216845	5,82006	6,57063	-1,682457428	ENST00000339463	8328	NM_004188	GFI1B
A_21_P0003217	1,49245	2,24305	-1,682492414	N/A	N/A	N/A	Inc-LSM3-1
A_21_P0007934	5,10754	5,85824	-1,682609039	ENST00000426509	N/A	N/A	N/A
A_23_P386268	1,73242	2,48317	-1,682667355	ENST00000311623	152816	NM_178497	C4orf26
A_33_P3422471	5,98808	6,73883	-1,682667355	N/A	N/A	AK126796	N/A
A_23_P34126	2,30448	3,05535	-1,682807321	ENST00000480756	633	NM_001711	BGN
A_24_P24371	2,49642	3,24738	-1,682912304	ENST00000390543	N/A	AJ294733	N/A
A_24_P550924	2,47211	3,22308	-1,682923969	ENST00000489976	149478	NM_001136537	BTBD19
A_21_P0011547	2,77002	3,52114	-1,683098955	N/A	N/A	N/A	XLOC_I2_005814
A_33_P3348270	1,40669	2,15784	-1,683133954	ENST00000454561	N/A	X57615	N/A
A_21_P0008133	2,40739	3,15855	-1,683145621	N/A	N/A	N/A	Inc-MTIF3-1
A_22_P00021916	2,00822	2,75946	-1,683238957	ENST00000551450	N/A	N/A	N/A

A_19_P00813124	3,69663	4,44797	-1,683355634	N/A	N/A	N/A	XLOC_I2_010511
A_21_P0011327	1,55386	2,3052	-1,683355634	ENST00000559914	283673	N/A	EWSAT1
A_23_P204277	14,4711	15,2225	-1,683425645	ENST00000544848	55766	NM_177925	H2AFJ
A_19_P00322349	1,98356	2,73507	-1,683554004	ENST00000511431	N/A	N/A	N/A
A_21_P0011565	1,64047	2,39215	-1,683752398	ENST00000576171	100506371	NR_104420	LOC100506371
A_23_P49145	2,56589	3,31761	-1,683799082	ENST00000400752	653808	NM_152338	ZG16
A_21_P0009283	2,3615	3,11327	-1,683857439	N/A	N/A	N/A	Inc-PGS1-1
A_24_P68019	8,55387	9,30577	-1,684009177	ENST00000282296	90233	NM_138347	ZNF551
A_33_P3303464	5,22124	5,97315	-1,684020849	ENST00000312423	126074	NM_175871	SWSAP1
A_21_P0014049	2,94557	3,69752	-1,684067541	ENST00000612565	389834	NR_027420	LOC389834
A_24_P159227	10,9231	11,6751	-1,684125907	ENST00000560346	56924	NM_020168	PAK6
A_22_P00009067	3,20778	3,95987	-1,684230972	ENST00000444488	100874043	NR_046873	TPRG1-AS1
A_24_P107291	7,5554	8,30758	-1,684336043	ENST00000529672	5519	NM_181699	PPP2R1B
A_21_P0014925	5,19827	5,9505	-1,684394418	N/A	N/A	N/A	N/A
A_22_P00005330	5,6526	6,40519	-1,684814783	ENST00000619269	23189	NM_001256877	KANK1
A_22_P00011243	1,71602	2,46873	-1,684954928	N/A	N/A	AF098667	Inc-OR1F1-1
A_23_P15944	2,03905	2,79187	-1,685083404	ENST00000269466	55520	NM_018696	ELAC1
A_22_P00016206	3,04375	3,79669	-1,685223571	N/A	100996570	NR_110617	NFIA-AS2
A_33_P3332393	4,72514	5,47808	-1,685223571	ENST00000372244	79639	XR_425151	TMEM53
A_33_P3240752	2,82166	3,57462	-1,685246933	ENST00000183605	51208	NM_016369	CLDN18
A_21_P0007265	1,7159	2,46893	-1,685328704	N/A	N/A	N/A	Inc-PIWIL4-1
A_22_P00021550	3,02554	3,77859	-1,685352068	N/A	N/A	BI767845	Inc-GSX2-1
A_23_P25069	8,29441	9,04749	-1,685387114	ENST00000621609	144203	XR_424313	OVOS2
A_21_P0001378	1,34691	2,10013	-1,685550673	N/A	N/A	N/A	Inc-CD1D-1
A_23_P165707	5,80089	6,55429	-1,685760986	ENST00000409448	129530	NM_174898	LYG1
A_21_P0014857	1,43954	2,19294	-1,685760986	N/A	100506276	XR_132744	LOC100506276
A_32_P88240	6,84065	7,5941	-1,685819411	ENST00000405109	166348	NM_207335	KBTBD12
A_22_P00013570	1,51964	2,27332	-1,686088193	ENST00000564291	N/A	N/A	N/A
A_33_P3321432	7,23074	7,98453	-1,686216755	ENST00000393807	51313	NM_016613	FAM198B
A_23_P162486	8,5731	9,32708	-1,686438841	ENST00000542761	5777	NM_002831	PTPN6
A_33_P3305497	4,10549	4,85951	-1,6864856	ENST00000491441	57701	BC110599	NCKAP5L
A_24_P12397	3,87358	4,62764	-1,68653236	ENST00000338469	54209	NM_018965	TREM2
A_22_P00011707	1,39625	2,15035	-1,686579121	ENST00000425505	100038246	BC019674	TLX1NB

A_24_P186608	1,6644	2,41857	-1,686660957	ENST00000411491	349152	NR_003561	DPY19L2P2
A_33_P3285391	4,90258	5,65705	-1,687011724	N/A	N/A	AK025047	N/A
A_32_P223017	10,7626	11,5171	-1,687046805	ENST00000357582	9064	NM_004672	MAP3K6
A_33_P3308434	6,89416	7,64935	-1,687853865	ENST00000378525	79906	NM_001301060	MORN1
A_33_P3390086	9,3224	10,0776	-1,687865564	N/A	N/A	N/A	N/A
A_22_P00000995	3,80938	4,56459	-1,687877263	N/A	101927139	NR_123718	LOC101927139
A_21_P0009967	2,04864	2,80397	-1,688017663	N/A	N/A	N/A	Inc-ARFGEF2-3
A_23_P406131	11,1305	11,8859	-1,688099568	ENST00000573487	57146	NM_020422	TMEM159
A_23_P372848	2,63699	3,39249	-1,688216582	ENST00000572418	5023	NM_002558	P2RX1
A_33_P3246244	7,03059	7,78616	-1,688298497	N/A	N/A	N/A	N/A
A_22_P00025761	1,5406	2,29625	-1,688392119	N/A	N/A	DA445576	Inc-LALBA-1
A_24_P396994	12,8739	13,6297	-1,688567673	ENST00000273398	523	NM_001690	ATP6V1A
A_23_P33022	15,4911	16,2469	-1,688567673	ENST00000322028	5441	NM_021128	POLR2L
A_19_P00316667	3,26915	4,02498	-1,688602787	ENST00000517491	101929450	NR_125815	LOC101929450
A_23_P6762	10,613	11,369	-1,688801775	ENST00000307768	84522	NM_032492	JAGN1
A_23_P101521	2,51638	3,27239	-1,688813481	ENST00000486050	126123	NM_152358	IZUMO2
A_33_P3285565	5,12775	5,88383	-1,688895424	ENST00000395145	1365	NM_001306	CLDN3
A_33_P3321170	1,6954	2,45148	-1,688895424	ENST00000496203	80775	AK311734	TMEM177
A_19_P00804072	6,77108	7,52759	-1,68939888	ENST00000559070	57674	NM_001256071	RNF213
A_23_P130411	1,59328	2,34984	-1,689457431	ENST00000467649	89778	NM_080475	SERPINB11
A_21_P0013016	3,9871	4,74367	-1,689469142	N/A	N/A	N/A	XLOC_I2_012415
A_23_P417148	10,8782	11,6348	-1,689504274	ENST00000353383	10743	NM_030665	RAI1
A_33_P3233005	7,62196	8,37878	-1,68976193	ENST00000376381	54799	NM_017643	MBTD1
A_23_P117387	1,66751	2,42437	-1,689808781	ENST00000280082	117153	NM_054024	MIA2
A_24_P286114	12,4907	13,2476	-1,689855633	ENST00000613445	6507	NM_004172	SLC1A3
A_23_P51487	9,9353	10,6922	-1,689855633	ENST00000489444	2635	NM_018284	GBP3
A_24_P192727	10,0307	10,7878	-1,690089913	ENST00000465807	81621	XR_246107	KAZALD1
A_33_P3354296	10,7471	11,5042	-1,690089913	N/A	N/A	N/A	XLOC_I2_015464
A_33_P3291976	2,49662	3,25384	-1,690230496	ENST00000518695	7013	AK128828	TERF1
A_23_P154022	6,70832	7,46555	-1,690242212	ENST00000295148	80304	NM_025203	C2orf44
A_21_P0000091	4,87831	5,6357	-1,690429677	ENST00000524327	151827	NM_001172780	LRRC34
A_23_P29029	8,37197	9,12942	-1,690499981	ENST00000534991	84996	NR_026845	URB1-AS1
A_33_P3350094	6,0891	6,8468	-1,690792948	ENST00000561082	197135	NM_001145112	PATL2

A_22_P00016095	4,85073	5,60844	-1,690804667	N/A	100874016	NR_046677	SYNPR-AS1
A_32_P194072	8,28187	9,03967	-1,690910149	ENST00000485716	25851	NM_015395	TECPR1
A_32_P711043	3,87815	4,63596	-1,690921869	N/A	100507191	XR_158920	LOC100507191
A_23_P163402	5,01118	5,76909	-1,691039079	ENST00000567032	1543	NM_000499	CYP1A1
A_21_P0008199	1,47539	2,2336	-1,691390757	N/A	N/A	N/A	Inc-DCT-1
A_23_P252052	8,06627	8,82466	-1,691601799	ENST00000495625	11259	NM_182909	FILIP1L
A_21_P0004438	1,62744	2,38587	-1,691648701	N/A	N/A	N/A	Inc-ZNF608-5
A_21_P0005579	4,30505	5,06363	-1,691824594	N/A	N/A	N/A	Inc-TMEM140-1
A_22_P00011779	3,1672	3,92582	-1,691871502	ENST00000445932	N/A	N/A	N/A
A_21_P0005642	1,69535	2,45421	-1,692152978	N/A	N/A	N/A	Inc-DLGAP2-4
A_22_P00017719	2,41144	3,17048	-1,692364115	N/A	N/A	N/A	Inc-XRCC5-2
A_23_P90359	4,01169	4,77075	-1,692387576	ENST00000303212	4902	NM_004558	NRTN
A_23_P68866	14,5487	15,3078	-1,6924345	ENST00000401406	29796	NM_001003684	UQCR10
A_23_P162579	8,25026	9,00937	-1,692446231	ENST00000281938	26353	NM_014365	HSPB8
A_33_P3406066	9,00296	9,76223	-1,69263394	ENST00000317178	284309	NM_173632	ZNF776
A_23_P114689	8,10913	8,86872	-1,693009419	ENST00000336689	55616	NM_017707	ASAP3
A_33_P3302165	11,6259	12,3857	-1,693255873	ENST00000247706	79575	NM_024527	ABHD8
A_33_P3319261	8,75323	9,51307	-1,693302821	ENST00000460390	54932	NM_001286823	EXD3
A_21_P0008438	1,42032	2,18039	-1,693572795	N/A	N/A	N/A	Inc-NID2-4
A_24_P225878	2,70345	3,46354	-1,693596273	ENST00000452770	64147	NM_022342	KIF9
A_23_P9662	8,76604	9,52632	-1,693819331	ENST00000396478	3652	NM_005897	IPP
A_22_P00003164	1,80141	2,56176	-1,693901518	ENST00000450850	N/A	N/A	N/A
A_33_P3224675	5,9452	6,70555	-1,693901518	ENST00000370139	54482	AK289404	TRMT13
A_23_P42718	10,1765	10,9369	-1,693960225	ENST00000606261	9603	NM_004289	NFE2L3
A_22_P00003610	3,83311	4,59351	-1,693960225	N/A	202020	NR_027696	TAPT1-AS1
A_22_P00009816	4,8198	5,58032	-1,694101131	N/A	101927632	XR_242320	LOC101927632
A_24_P92256	8,61904	9,37962	-1,694171588	ENST00000268989	9905	NM_014853	SGSM2
A_21_P0011665	1,65263	2,41323	-1,694195074	N/A	N/A	N/A	XLOC_I2_006548
A_22_P00023957	1,75797	2,51863	-1,694265535	N/A	N/A	DA177224	Inc-ALKBH4-1
A_33_P3397418	11,8258	12,5865	-1,694312511	ENST00000242351	56829	NM_020119	ZC3HAV1
A_21_P0012140	5,72184	6,48255	-1,694324255	N/A	101926935	NR_110001	LOC101926935
A_21_P0014268	1,5589	2,31972	-1,694453446	ENST00000525365	100506082	NR_047550	LOC100506082
A_23_P432573	3,46918	4,23048	-1,695017302	ENST00000309099	116535	NM_145015	MRGPRF



A_22_P00019752	7,73031	8,49164	-1,695052549	N/A	N/A	BC073749	Inc-ANKRD34B-2
A_23_P300076	4,04112	4,80257	-1,695193546	ENST00000490748	84223	NM_032263	IQCG
A_21_P0008881	1,48328	2,24488	-1,695369808	ENST00000570183	N/A	XR_253532	N/A
A_21_P0001646	2,80959	3,57135	-1,695557841	N/A	N/A	N/A	Inc-TOMM20-1
A_22_P00007178	1,62759	2,38945	-1,695675372	N/A	N/A	N/A	Inc-GNRHR2-1
A_22_P00017782	1,68792	2,45002	-1,69595748	N/A	100507099	NR_103839	FRY-AS1
A_21_P0011007	1,70345	2,46564	-1,696063283	ENST00000531490	283116	NM_001206626	TRIM49B
A_24_P314597	7,47262	8,23511	-1,696416006	ENST00000485551	79932	AB058740	KIAA0319L
A_33_P3343872	1,68322	2,44572	-1,696427764	ENST00000216927	55423	NM_001039508	SIRPG
A_33_P3369786	3,40371	4,16621	-1,696427764	ENST00000509102	90025	XM_006715597	UBE3D
A_22_P00022036	1,8311	2,59361	-1,696439523	N/A	N/A	AW852898	Inc-EFHC1-1
A_24_P154142	3,76287	4,52554	-1,696627675	ENST00000368318	339403	NM_181885	RXFP4
A_33_P3293202	4,84257	5,60527	-1,696662956	ENST00000286688	157657	NM_177965	C8orf37
A_19_P00321739	3,11001	3,87286	-1,69683937	ENST00000421704	79940	NR_121614	LINC00472
A_33_P3447304	8,67058	9,43344	-1,696851132	ENST00000442977	55074	NM_001198533	OXR1
A_23_P127522	9,79982	10,5627	-1,696874655	ENST00000356438	219844	NM_145014	HYLS1
A_23_P115137	13,743	14,5063	-1,697368725	ENST00000614544	10542	NM_006402	LAMTOR5
A_33_P3355493	2,25009	3,01351	-1,697509914	N/A	100996273	XM_003846283	LOC100996273
A_33_P3221090	3,30355	4,067	-1,697545213	ENST00000464295	165829	NM_153002	GPR156
A_24_P173234	8,78819	9,55197	-1,697933551	ENST00000391794	79898	NM_024840	ZNF613
A_33_P3318581	10,4013	11,1651	-1,69795709	ENST00000360060	5352	NM_182943	PLOD2
A_22_P00015892	4,71125	5,47536	-1,698321979	N/A	N/A	N/A	Inc-TCF19-1
A_21_P0001415	2,2336	2,9978	-1,698427929	N/A	91548	XR_247053	LOC91548
A_33_P3350853	5,37049	6,13484	-1,698604527	ENST00000608317	202781	N/A	PAXIP1-AS1
A_24_P941866	3,12441	3,88885	-1,698710495	ENST00000337752	441108	AK096941	C5orf56
A_22_P00004850	3,96469	4,72918	-1,698769369	ENST00000417213	N/A	N/A	N/A
A_33_P3353345	1,56128	2,32595	-1,698981331	ENST00000330884	25830	NM_014351	SULT4A1
A_21_P0008135	1,52226	2,28702	-1,699087323	N/A	N/A	N/A	Inc-KATNAL1-3
A_22_P00019857	2,29945	3,0644	-1,699311104	N/A	N/A	N/A	Inc-LRRC31-1
A_21_P0008507	2,48772	3,25269	-1,699334661	N/A	N/A	N/A	Inc-FOXG1-3
A_33_P3387090	3,50186	4,26691	-1,699428895	N/A	N/A	BC026731	N/A
A_22_P00000938	8,28458	9,04972	-1,699534914	ENST00000443994	100216001	NR_024475	LINC00704
A_21_P0010799	1,65363	2,41878	-1,699546694	N/A	101927762	XR_424075	LOC101927762

A_24_P194337	1,65291	2,41817	-1,699676283	ENST00000269844	63977	NM_022115	PRDM15
A_33_P3394465	2,92198	3,68724	-1,699676283	ENST00000308304	5626	NM_006261	PROP1
A_23_P379475	12,3558	13,1213	-1,699959057	ENST00000535035	1718	NM_014762	DHCR24
A_33_P3375133	4,89711	5,66266	-1,700017974	ENST00000532228	N/A	N/A	N/A
A_23_P130482	7,8084	8,57398	-1,700053325	ENST00000254182	10520	NM_198855	ZNF211
A_21_P0005973	1,43364	2,19931	-1,700159384	ENST00000524283	101927459	NR_125417	LOC101927459
A_23_P110167	12,5347	13,3004	-1,700194738	ENST00000265498	4258	NM_002413	MGST2
A_22_P00000581	2,15235	2,91823	-1,700406878	N/A	N/A	N/A	Inc-AC145676.2.1-1
A_22_P00008538	2,49461	3,26058	-1,700512959	ENST00000372861	60598	NM_022358	KCNK15
A_33_P3376321	6,73537	7,50134	-1,700512959	ENST00000518061	286	NM_020477	ANK1
A_33_P3240637	1,59289	2,35897	-1,700642621	N/A	N/A	AK124325	N/A
A_19_P00801490	7,47974	8,24582	-1,700642621	ENST00000567197	N/A	AF086310	N/A
A_23_P144684	8,40075	9,16694	-1,700772294	ENST00000450932	84250	NM_032290	ANKRD32
A_21_P0002376	1,54812	2,31449	-1,700984506	N/A	N/A	N/A	Inc-UBE2F-1
A_23_P15844	4,62743	5,39385	-1,701043459	ENST00000259008	83990	NM_032043	BRIP1
A_24_P76018	4,24512	5,01165	-1,701173162	ENST00000408959	646450	NM_001123040	ARIH2OS
A_24_P269551	1,45742	2,22409	-1,701338253	ENST00000519846	157807	NM_173519	CLVS1
A_33_P3247933	9,25442	10,0211	-1,701350046	ENST00000485546	9648	NM_181453	GCC2
A_23_P76823	9,95825	10,7251	-1,701550536	ENST00000557582	122622	NM_199165	ADSSL1
A_21_P0010558	2,17855	2,94557	-1,70175105	ENST00000612480	9659	NM_001198834	PDE4DIP
A_23_P36050	1,57136	2,3384	-1,701774642	ENST00000312711	219473	NM_001005202	OR8K3
A_23_P103511	8,51293	9,27999	-1,701798233	ENST00000458626	400793	NM_001085375	C1orf226
A_33_P3402817	2,78401	3,55113	-1,701869011	ENST00000339069	104909134	NM_001303016	MGC57346-CRHR1
A_33_P3402020	2,46428	3,23151	-1,701998777	ENST00000307522	83987	NM_032040	CCDC8
A_33_P3398096	1,55702	2,32426	-1,702010574	ENST00000491959	131368	NM_175056	ZPLD1
A_33_P3520835	4,65115	5,41841	-1,702034169	N/A	441441	AK123449	FLJ41455
A_24_P186065	5,9444	6,71167	-1,702045967	ENST00000394221	200895	NM_176815	DHFRL1
A_33_P3668049	6,27077	7,03805	-1,702057764	ENST00000581094	55288	NM_001288758	RHOT1
A_21_P0000052	4,61809	5,38539	-1,70208136	ENST00000468399	27185	NM_001164554	DISC1
A_21_P0008139	1,40773	2,17512	-1,702187545	N/A	102723392	XR_424440	LOC102723392
A_22_P00011704	7,96497	8,73246	-1,702305535	N/A	N/A	AI083640	Inc-PDZD7-1
A_23_P39067	3,74642	4,51401	-1,702423534	ENST00000270632	6689	NM_003121	SPIB
A_33_P3212769	1,4825	2,25009	-1,702423534	N/A	100132686	BC020894	LOC100132686

A_33_P3312638	4,99175	5,75937	-1,702458936	ENST00000434248	163131	NM_001005851	ZNF780B
A_21_P0014848	3,26955	4,03722	-1,702517939	ENST00000515591	55858	AK295063	TMEM165
A_33_P3376821	1,65931	2,427	-1,702541542	ENST00000274306	3001	NM_006144	GZMA
A_22_P00000826	1,7884	2,55614	-1,702600548	ENST00000439964	N/A	N/A	N/A
A_21_P0000808	7,03805	7,80583	-1,702647755	N/A	440288	NR_038448	UBL7-AS1
A_23_P87982	1,38366	2,15146	-1,702671359	ENST00000218548	479	NM_001676	ATP12A
A_22_P00013628	5,93711	6,70498	-1,702753975	ENST00000561649	N/A	N/A	N/A
A_33_P3247890	3,21958	3,98806	-1,703474085	ENST00000390423	N/A	X58744	N/A
A_22_P00003874	3,07747	3,84611	-1,703663017	ENST00000565827	N/A	N/A	N/A
A_21_P0001787	1,62161	2,39026	-1,703674826	N/A	N/A	N/A	Inc-SRBD1-4
A_23_P2922	10,3127	11,0814	-1,703733872	ENST00000318473	51562	NM_016586	MBIP
A_23_P410507	5,47329	6,24214	-1,703911022	ENST00000245810	5623	NM_004158	PSPN
A_23_P124760	9,117	9,88613	-1,704241751	ENST00000535508	9862	NM_014815	MED24
A_24_P200848	9,39835	10,1675	-1,704265377	ENST00000428135	23161	NM_015132	SNX13
A_21_P0012575	2,24514	3,01446	-1,704466211	N/A	N/A	N/A	XLOC_I2_010601
A_23_P129413	8,67304	9,4424	-1,704513469	ENST00000268793	64180	NM_022357	DPEP3
A_23_P63026	9,39232	10,1617	-1,704537099	ENST00000528259	3964	NM_006499	LGALS8
A_33_P3311308	1,70972	2,4795	-1,705009763	N/A	N/A	N/A	N/A
A_21_P0013973	6,48136	7,25123	-1,70511613	N/A	N/A	AF461900	N/A
A_23_P168130	2,77898	3,54912	-1,705435272	ENST00000293756	117283	NM_054111	IP6K3
A_22_P00002169	4,25908	5,02956	-1,705837239	ENST00000533002	N/A	XR_109069	N/A
A_23_P33881	1,72621	2,49683	-1,706002783	ENST00000619890	548313	NM_001034832	SSX4B
A_21_P0003010	1,62469	2,39545	-1,706168342	N/A	N/A	N/A	Inc-GAP43-8
A_22_P00009828	3,18889	3,95968	-1,706203822	ENST00000571113	N/A	N/A	N/A
A_21_P0006083	1,58455	2,35542	-1,706298436	ENST00000397864	N/A	N/A	N/A
A_23_P29153	4,06827	4,83932	-1,706511338	ENST00000216036	27156	NM_014433	RSPH14
A_23_P133868	6,25507	7,02625	-1,706665118	ENST00000377294	387032	NM_019110	ZKSCAN4
A_21_P0013061	4,22313	4,99441	-1,706783419	N/A	N/A	N/A	XLOC_I2_012871
A_33_P3229815	3,64006	4,41135	-1,706795249	ENST00000443744	200261	NR_034149	LINC00656
A_33_P3423610	12,1776	12,9489	-1,70680708	ENST00000469566	9403	NM_004261	set-15
A_21_P0012398	10,4218	11,1931	-1,70680708	ENST00000504733	N/A	N/A	N/A
A_23_P106922	6,27472	7,04609	-1,706889897	ENST00000332272	4166	NM_021615	CHST6
A_22_P00005602	2,1282	2,89966	-1,706996381	N/A	N/A	N/A	Inc-EFR3B-2

A_22_P00014176	1,67152	2,44319	-1,707244871	N/A	N/A	BG220746	Inc-SDCCAG8-1
A_23_P46604	7,58469	8,35652	-1,707434221	ENST00000339255	57185	NM_020448	NIPAL3
A_33_P3402086	3,73417	4,50615	-1,707611756	N/A	N/A	N/A	N/A
A_23_P166677	11,5174	12,2894	-1,707635429	ENST00000471500	64747	NM_022736	MFSD1
A_33_P3262118	6,18037	6,95243	-1,707706449	ENST00000314174	7798	BC051733	LUZP1
A_23_P336239	1,54291	2,31513	-1,70789585	ENST00000555638	161145	XR_245666	TMEM229B
A_23_P168771	10,1891	10,9616	-1,708227353	ENST00000285871	57639	NM_020879	CCDC146
A_33_P3258510	9,43943	10,212	-1,708310238	ENST00000374505	11313	NM_007260	LYPLA2
A_33_P3424800	13,9845	14,7571	-1,708345762	ENST00000481588	3106	NM_005514	HLA-B
A_33_P3210180	1,62735	2,39996	-1,708357603	N/A	7088	AY129016	TLE1
A_33_P3383029	9,36656	10,1392	-1,708393128	ENST00000369612	4601	NM_130439	MXI1
A_23_P73801	9,18863	9,96146	-1,708618135	ENST00000619397	9338	NM_001006640	TCEAL1
A_22_P00014910	1,52998	2,30284	-1,708653665	N/A	N/A	AA983746	Inc-SLCO2B1-2
A_33_P3381132	2,15642	2,92961	-1,709044545	N/A	N/A	N/A	N/A
A_23_P31816	1,49706	2,27031	-1,709115623	ENST00000616150	1668	NM_005217	DEFA3
A_22_P00007236	6,43583	7,20953	-1,709648807	N/A	N/A	XM_005275879	Inc-GPN2-2
A_23_P102471	10,2497	11,0235	-1,709767315	ENST00000543555	4436	NM_000251	MSH2
A_23_P13998	8,97369	9,74775	-1,710075474	ENST00000537988	55592	NR_036632	GOLGA2P5
A_21_P0001810	1,47549	2,24956	-1,710087328	N/A	N/A	N/A	Inc-TPO-3
A_21_P0004331	4,08274	4,85695	-1,710253284	N/A	N/A	N/A	Inc-NEURL1B-4
A_23_P257423	9,36408	10,1383	-1,710265138	ENST00000370205	199857	NM_144988	ALG14
A_22_P00004824	2,31754	3,09185	-1,710371834	ENST00000438994	101928495	N/A	LOC101928495
A_19_P00321872	7,13349	7,90783	-1,7104074	ENST00000532541	100506305	NR_038904	LINC00958
A_21_P0010335	5,05285	5,82734	-1,710585244	N/A	100506271	N/A	LOC100506271
A_22_P00013887	6,85593	7,63046	-1,710632672	ENST00000575173	101927060	N/A	LOC101927060
A_21_P0009338	3,04973	3,82428	-1,710656387	N/A	N/A	N/A	Inc-COIL-2
A_33_P3249081	2,59282	3,3675	-1,710810539	ENST00000265342	23105	NM_015082	FSTL4
A_33_P3301025	10,5291	11,3038	-1,710834256	ENST00000264193	1371	NM_000097	CPOX
A_23_P383422	6,70924	7,4841	-1,711024005	ENST00000396901	84807	NM_139239	NFKBID
A_23_P47924	7,04415	7,81908	-1,711107026	ENST00000283228	5801	NM_002849	PTPRR
A_33_P3381647	8,18899	8,96396	-1,711154469	ENST00000392038	208	NM_001626	AKT2
A_23_P207400	9,08386	9,85886	-1,711190051	ENST00000357654	672	NM_007300	BRCA1
A_23_P162547	1,3938	2,16885	-1,711249358	ENST00000549029	4633	NM_000432	MYL2

A_21_P0010236	5,83656	6,61166	-1,711308666	N/A	101928126	XR_254026	LOC101928126
A_22_P00011498	2,17886	2,95396	-1,711308666	ENST00000553165	N/A	N/A	N/A
A_33_P3345255	7,85522	8,63056	-1,711593375	ENST00000430070	55709	NM_016506	KBTBD4
A_21_P0012638	2,02179	2,79714	-1,711605239	N/A	N/A	N/A	XLOC_I2_010963
A_21_P0010084	7,42899	8,20434	-1,711605239	ENST00000609087	100270804	NR_026885	LOC100270804
A_22_P00005933	1,73649	2,51196	-1,711747612	N/A	102723922	XR_425957	LOC102723922
A_33_P3228325	8,73928	9,51487	-1,711889997	N/A	6672	NM_001080391	SP100
A_33_P3257460	12,6844	13,46	-1,711901863	ENST00000341298	54344	NM_018973	DPM3
A_33_P3236686	5,73353	6,50915	-1,711925595	N/A	N/A	AF461897	N/A
A_33_P3349927	3,50801	4,28366	-1,711961194	ENST00000467220	55112	CR627036	WDR60
A_33_P3577142	7,36312	8,13878	-1,711973061	N/A	N/A	AK098143	Inc-ANKRD11-5
A_21_P0006372	2,28983	3,06553	-1,712020527	N/A	101929014	XR_242676	LOC101929014
A_21_P0012361	1,92983	2,70565	-1,712162935	N/A	N/A	N/A	XLOC_I2_009613
A_22_P00012456	3,74571	4,5216	-1,712246012	ENST00000431158	284739	NR_027687	LINC00176
A_33_P3304538	10,8269	11,6034	-1,712970136	ENST00000496676	388591	NM_207396	RNF207
A_23_P35000	2,59609	3,37269	-1,713088875	ENST00000374024	2827	NM_005281	GPR3
A_33_P3390643	6,26065	7,03733	-1,713183871	ENST00000401061	25974	NM_015506	MMACHC
A_23_P380181	11,349	12,1257	-1,713207621	ENST00000489303	8543	NM_006769	LMO4
A_21_P0008872	4,40633	5,1831	-1,713290748	N/A	N/A	N/A	Inc-IL4R-2
A_33_P3307957	6,86788	7,64476	-1,713421385	ENST00000315713	5825	NM_001122674	ABCD3
A_33_P3319176	4,59934	5,37625	-1,713457015	ENST00000371951	3358	BC028688	HTR2C
A_22_P00024466	1,64895	2,42586	-1,713457015	ENST00000434493	N/A	N/A	N/A
A_24_P307974	7,25483	8,03177	-1,713492646	ENST00000372978	129685	BC033728	TAF8
A_21_P0000556	3,09284	3,86979	-1,713504523	N/A	344595	NR_028301	LINC00883
A_22_P00004900	1,38747	2,16472	-1,713860873	N/A	N/A	N/A	Inc-DAD1-2
A_23_P200396	8,59561	9,37312	-1,71416977	ENST00000484490	56063	NM_019118	TMEM234
A_21_P0010279	2,40084	3,17865	-1,714526259	N/A	N/A	N/A	Inc-ERG-1
A_21_P0007708	4,66509	5,44314	-1,714811503	N/A	N/A	N/A	Inc-SLC11A2-1
A_23_P42306	5,55983	6,33799	-1,714942256	ENST00000462225	3108	NM_006120	HLA-DMA
A_22_P00025147	3,00409	3,78245	-1,715180014	ENST00000506633	100874259	NR_047031	SLC25A30-AS1
A_33_P3250963	9,68581	10,4642	-1,71521568	ENST00000421293	11257	NR_015381	TP53TG1
A_33_P3257451	3,04334	3,82187	-1,715382134	ENST00000612155	222183	NM_001291831	SRRM3
A_22_P00008399	2,06814	2,84674	-1,715465367	N/A	N/A	DR033690	Inc-JPH1-1

A_24_P118938	6,9752	7,75383	-1,715501039	ENST00000359676	140688	NM_001256798	NOL4L
A_22_P00003973	1,41263	2,19153	-1,715822125	ENST00000554466	N/A	AK094352	N/A
A_24_P32935	4,45971	5,23871	-1,715941061	ENST00000535625	2350	NM_000803	FOLR2
A_23_P422933	3,37102	4,15003	-1,715952955	ENST00000524756	57569	NM_020809	ARHGAP20
A_33_P3253124	1,36598	2,145	-1,715964849	N/A	N/A	N/A	N/A
A_21_P0001514	2,65633	3,43544	-1,7160719	N/A	N/A	N/A	Inc-JUN-6
A_22_P00009048	2,59035	3,36978	-1,716452579	N/A	101929595	NR_125929	LOC101929595
A_21_P0009591	5,28889	6,06834	-1,716476374	N/A	N/A	N/A	Inc-MBP-1
A_33_P3271387	7,12645	7,90594	-1,716523966	ENST00000377627	90326	NM_138350	THAP3
A_32_P208424	14,3724	15,1519	-1,716535864	ENST00000366815	3020	NM_002107	H3F3A
A_23_P400147	8,24582	9,02536	-1,716583457	ENST00000536603	729440	NM_001267723	CCDC61
A_23_P371011	6,4186	7,19819	-1,71664295	ENST00000621083	7770	NM_182490	ZNF227
A_23_P413796	12,04	12,8196	-1,716654849	ENST00000592206	115106	NM_138443	HAUS1
A_23_P70060	10,8315	11,6112	-1,716773843	ENST00000307259	8611	NM_176895	PPAP2A
A_23_P153583	7,90891	8,68861	-1,716773843	ENST00000492109	5536	NM_006247	PPP5C
A_33_P3262884	4,78106	5,56078	-1,716797642	N/A	N/A	AK091705	N/A
A_24_P318593	9,35638	10,1361	-1,716797642	ENST00000579856	90507	NM_138355	SCRN2
A_22_P00010122	1,59738	2,37723	-1,716952348	N/A	101929705	NR_125864	LOC101929705
A_33_P3234864	7,31758	8,09747	-1,716999953	ENST00000367526	7402	NM_007124	UTRN
A_21_P0011037	3,46624	4,24617	-1,717047559	N/A	N/A	N/A	XLOC_I2_002886
A_23_P4808	2,90078	3,68077	-1,717118971	ENST00000292513	5731	NM_000955	PTGER1
A_22_P00017514	7,25123	8,03122	-1,717118971	ENST00000596904	100507398	NR_103812	INTS6-AS1
A_21_P0000369	14,1166	14,8966	-1,717130873	N/A	692073	NR_003035	SNORA16A
A_33_P3297618	1,39619	2,17636	-1,717333223	ENST00000511263	100616281	N/A	MIR4788
A_23_P17522	1,38927	2,16988	-1,717857063	ENST00000377142	4821	NM_002509	NKX2-2
A_21_P0005958	2,49384	3,27449	-1,717904693	N/A	N/A	N/A	Inc-KIFC2-1
A_24_P260639	11,0745	11,8553	-1,718083316	ENST00000244534	3007	NM_005320	HIST1H1D
A_21_P0014040	5,48123	6,26211	-1,71817859	N/A	N/A	N/A	N/A
A_32_P209094	10,3468	11,1277	-1,718202409	ENST00000480847	55277	NM_018291	FGGY
A_24_P364807	8,54147	9,3224	-1,718238138	ENST00000615823	54947	NM_017839	LPCAT2
A_22_P00010918	2,0488	2,82977	-1,718285779	ENST00000454015	401232	NR_026855	LINC01011
A_21_P0012757	1,38868	2,17007	-1,718786082	ENST00000509968	N/A	N/A	N/A
A_21_P0004993	3,05669	3,83813	-1,718845652	N/A	N/A	N/A	Inc-C6orf146-1

A_23_P63655	11,8009	12,5824	-1,718917138	ENST00000460820	509	NM_005174	ATP5C1
A_33_P3265024	2,44922	3,23084	-1,719060119	ENST00000526221	6764	NM_005418	ST5
A_19_P00320063	1,57471	2,35642	-1,719167363	ENST00000473636	100302640	N/A	LINC00882
A_33_P3260426	6,88707	7,6688	-1,719191196	ENST00000392653	6700	NM_005988	SPRR2A
A_21_P0009065	1,5448	2,32655	-1,719215029	N/A	N/A	N/A	Inc-MAF-1
A_19_P00810205	10,7259	11,5077	-1,719274614	ENST00000399411	N/A	N/A	N/A
A_22_P00023671	2,67702	3,45883	-1,719286531	N/A	N/A	AK023343	Inc-RNASE13-1
A_23_P140373	1,53527	2,31712	-1,7193342	ENST00000238667	55640	NM_017791	FLVCR2
A_21_P0009612	1,4151	2,19697	-1,719358036	ENST00000578967	N/A	XR_172251	N/A
A_23_P145541	6,77422	7,55638	-1,719703683	ENST00000419951	9896	NM_014845	FIG4
A_24_P359322	2,81073	3,59292	-1,719739444	ENST00000382378	54067	NR_024622	C21orf62-AS1
A_23_P10743	1,45082	2,23301	-1,719739444	ENST00000496514	5158	NM_000283	PDE6B
A_33_P3332616	8,13319	8,91539	-1,719751364	N/A	N/A	N/A	XLOC_I2_015508
A_21_P0005410	2,13204	2,91433	-1,719858651	N/A	N/A	N/A	Inc-ZKSCAN1-1
A_22_P00006295	1,43536	2,21778	-1,720013633	N/A	N/A	N/A	Inc-FAM83G-2
A_24_P268160	11,5116	12,2944	-1,720466737	ENST00000477769	128338	NM_178454	DRAM2
A_33_P3287058	2,4852	3,26813	-1,720621774	N/A	N/A	AK055281	N/A
A_33_P3295655	3,75379	4,53675	-1,720657554	ENST00000265381	320	NM_001163	APBA1
A_22_P00000446	2,52132	3,30457	-1,721003463	N/A	N/A	N/A	Inc-AC083864.4.1-1
A_22_P00000149	1,80575	2,58905	-1,721063109	N/A	101928535	N/A	LOC101928535
A_33_P3327539	6,81656	7,59992	-1,721134688	ENST00000442267	23158	NM_015130	TBC1D9
A_22_P00018736	5,76605	6,54948	-1,7212182	N/A	N/A	N/A	Inc-AKTIP-1
A_23_P133956	9,05507	9,83851	-1,72123013	ENST00000480346	3833	NM_002263	KIFC1
A_22_P00015643	2,84085	3,62429	-1,72123013	N/A	100506436	NR_040012	SPAG5-AS1
A_22_P00021189	1,55307	2,33661	-1,721349441	N/A	N/A	N/A	Inc-ANK2-2
A_33_P3273285	9,24265	10,0263	-1,721480692	N/A	170958	NR_003699	ZNF525
A_23_P29248	14,1821	14,966	-1,721779028	ENST00000403892	7263	NM_003312	TST
A_21_P0004862	5,76461	6,54851	-1,721779028	N/A	102724851	XR_427901	LOC102724851
A_22_P00002117	1,35379	2,13775	-1,721850636	ENST00000518675	101928154	NR_108028	LINC01485
A_33_P3294177	2,1204	2,90436	-1,721850636	N/A	100131043	AK124222	LOC100131043
A_33_P3424803	14,9757	15,7599	-1,722137099	N/A	3107	M26429	HLA-C
A_22_P00014959	3,74596	4,53018	-1,722160973	N/A	100288181	NR_038925	LOC100288181
A_22_P00002422	1,48267	2,26689	-1,722160973	ENST00000551227	N/A	N/A	N/A

A_21_P0009210	7,00574	7,79004	-1,722256473	N/A	N/A	N/A	Inc-PAFAH1B1-3
A_21_P0005790	1,56311	2,34771	-1,722614643	N/A	N/A	N/A	Inc-ANGPT2-6
A_21_P0005526	5,76634	6,55097	-1,722650464	N/A	N/A	N/A	Inc-WASL-1
A_21_P0000435	1,66872	2,45341	-1,722722109	N/A	767568	NR_003236	SNORD113-8
A_23_P145895	11,8247	12,6094	-1,72273405	ENST00000432193	11257	NR_015381	TP53TG1
A_22_P00010559	1,34101	2,12601	-1,723092319	N/A	N/A	N/A	Inc-NCOR2-3
A_22_P00011795	1,44414	2,22919	-1,723152038	N/A	N/A	BC036257	Inc-PGM3-1
A_21_P0006046	1,43222	2,21762	-1,723570128	ENST00000421509	N/A	N/A	N/A
A_23_P47116	9,54646	10,3321	-1,723856877	ENST00000531112	8045	NM_003475	RASSF7
A_33_P3255914	10,2408	11,0268	-1,72428709	ENST00000349606	29116	NM_013262	MYLIP
A_23_P164623	11,0837	11,8698	-1,724406613	ENST00000594051	84878	NM_032792	ZBTB45
A_22_P00023794	2,90137	3,68765	-1,724621774	N/A	102724351	XR_424177	LOC102724351
A_33_P3322307	6,49398	7,28034	-1,72471741	ENST00000537136	1663	NM_001257145	DDX11
A_23_P41487	8,47991	9,26636	-1,724825007	ENST00000442267	23158	NM_015130	TBC1D9
A_33_P3326217	1,54293	2,32957	-1,725052178	ENST00000441885	388336	NM_207386	SHISA6
A_23_P12405	8,23071	9,01737	-1,725076092	ENST00000377828	83715	NM_031475	ESPN
A_33_P6804305	1,4768	2,26354	-1,725171754	N/A	347689	NR_075093	SOX2-OT
A_32_P212373	8,68731	9,47432	-1,725494649	N/A	N/A	N/A	Inc-EGLN1-1
A_33_P3470781	4,33704	5,12411	-1,725566412	ENST00000620717	57186	NM_020343	RALGAPA2
A_22_P00002464	4,7566	5,54369	-1,725590334	ENST00000560866	100507466	NR_038251	DPH6-AS1
A_23_P20852	10,6392	11,4263	-1,725602295	ENST00000473695	549	NM_001698	AUH
A_21_P0013317	4,73598	5,52313	-1,7256621	N/A	N/A	N/A	XLOC_I2_013868
A_23_P330578	4,23098	5,01829	-1,725853493	ENST00000370138	127495	NM_144620	LRR39
A_33_P3316278	1,69805	2,48544	-1,725949197	ENST00000546162	653190	NR_003569	ABCC6P1
A_19_P00330048	2,68043	3,46793	-1,726080799	N/A	102723756	XR_424308	LOC102723756
A_33_P3304769	1,75825	2,5458	-1,726140622	N/A	N/A	N/A	N/A
A_33_P3250612	5,64301	6,43058	-1,726164551	ENST00000340692	4337	NM_005943	MOCS1
A_32_P160972	12,7431	13,5308	-1,726320102	ENST00000367660	58527	NM_021243	ABRACL
A_32_P382427	5,9219	6,70962	-1,726344034	ENST00000533935	114796	N/A	PSMG3-AS1
A_33_P3229789	3,36505	4,15279	-1,726367966	N/A	N/A	N/A	N/A
A_22_P00002947	1,61177	2,39954	-1,726403865	N/A	101928651	NR_109910	LOC101928651
A_23_P48295	4,93237	5,72014	-1,726403865	ENST00000251108	81602	NM_030911	CDADC1
A_33_P3257594	4,47838	5,26615	-1,726403865	ENST00000357776	388389	NM_213607	CCDC103



A_32_P196854	6,6255	7,4133	-1,726439765	ENST00000373954	199870	NM_001143912	FAM76A
A_23_P12241	7,39516	8,18335	-1,726906532	ENST00000341115	55283	NM_018298	MCOLN3
A_33_P3231162	7,65016	8,43836	-1,726918502	ENST00000317178	284309	NM_173632	ZNF776
A_22_P00007595	3,17586	3,96412	-1,726990324	N/A	N/A	N/A	Inc-HDCC3-2
A_33_P3772996	8,76742	9,55592	-1,727277642	ENST00000394838	5567	NM_001242860	PRKACB
A_21_P0010355	2,54089	3,32951	-1,727421319	ENST00000452505	N/A	N/A	N/A
A_24_P371399	6,48438	7,27314	-1,727588957	ENST00000315691	205428	NM_173552	C3orf58
A_23_P305550	3,8408	4,62958	-1,727612907	ENST00000270364	2859	NM_001195382	GPR35
A_33_P3387831	12,3467	13,1355	-1,727636857	ENST00000402338	79019	XR_244383	CENPM
A_32_P351277	5,6334	6,42221	-1,727648832	N/A	N/A	BC004968	Inc-JMJD8-1
A_33_P3241651	2,01163	2,80045	-1,727660807	ENST00000372981	94121	AL832596	SYTL4
A_33_P3346663	15,6434	16,4323	-1,727756612	ENST00000263270	1175	NM_001301078	AP2S1
A_33_P3423979	8,85843	9,64736	-1,72779254	ENST00000507699	23022	NM_001166109	PALLD
A_33_P3272628	2,90951	3,69863	-1,728020101	ENST00000367992	2207	N/A	FCER1G
A_22_P00011452	3,87008	4,65929	-1,728127904	ENST00000508881	N/A	N/A	N/A
A_24_P289260	1,34187	2,13115	-1,728211756	ENST00000366795	168002	NM_214462	DACT2
A_33_P3300267	4,12619	4,91553	-1,728283631	ENST00000389975	5212	NM_053276	VIT
A_21_P0010429	4,12285	4,91221	-1,728307591	ENST00000609758	N/A	XR_425349	N/A
A_24_P419087	6,00619	6,79587	-1,728690984	ENST00000548843	10677	NM_006576	AVIL
A_22_P00020136	1,48283	2,27255	-1,728738914	N/A	100874245	NR_046714	NAALADL2-AS1
A_21_P0003284	2,21593	3,0057	-1,728798829	N/A	N/A	N/A	Inc-RFT1-1
A_23_P20002	8,0826	8,8724	-1,728834779	ENST00000447802	57037	NM_020319	ANKMY2
A_33_P3340649	7,10158	7,89139	-1,728846762	ENST00000382822	728299	NM_001099219	KRTAP19-8
A_33_P3311551	6,18062	6,97044	-1,728858746	N/A	79971	AB097018	WLS
A_21_P0001082	1,50962	2,29945	-1,728870729	N/A	N/A	N/A	Inc-SCCPDH-1
A_23_P27133	12,5151	13,3052	-1,729194317	ENST00000586794	3866	NM_002275	KRT15
A_23_P302018	5,34717	6,13732	-1,729254247	ENST00000514937	7294	NM_003328	TXK
A_33_P3244478	4,36789	5,15811	-1,729338153	N/A	100128640	NR_028389	ACVR2B-AS1
A_23_P83463	14,1045	14,8948	-1,729434051	ENST00000616787	9403	NM_004261	set-15
A_33_P3308232	1,49825	2,28859	-1,729482002	N/A	401630	NR_002161	FAM224A
A_23_P111194	8,33823	9,12862	-1,729541942	ENST00000374037	25803	NM_012391	SPDEF
A_33_P3366667	5,03991	5,83075	-1,730081498	ENST00000388740	2138	NM_000503	EYA1
A_33_P3411975	1,36219	2,15306	-1,730117475	ENST00000475896	25890	NM_015429	ABI3BP

A_32_P475513	3,01116	3,80217	-1,730285375	ENST00000621743	80022	NR_003587	MYO15B
A_22_P00002314	1,51824	2,30932	-1,730369331	N/A	N/A	DA375949	Inc-C11orf39-3
A_32_P165116	7,95726	8,74863	-1,730717192	ENST00000406334	116143	NM_138458	WDR92
A_21_P0010536	8,47256	9,26405	-1,730861155	ENST00000394662	2635	NM_018284	GBP3
A_32_P72341	7,55504	8,3468	-1,731185115	ENST00000309784	286827	NM_173084	TRIM59
A_33_P3335147	4,29955	5,09132	-1,731197115	ENST00000307584	347273	NM_001018116	MURC
A_21_P0008663	3,10486	3,89664	-1,731209115	N/A	N/A	N/A	Inc-RP11-597K23.2.1-2
A_23_P67391	8,35675	9,14855	-1,731233115	ENST00000594208	11133	NM_007059	KPTN
A_32_P207428	8,91169	9,70353	-1,731281115	ENST00000458035	91664	NM_138374	ZNF845
A_22_P00013393	3,70537	4,49737	-1,731473131	N/A	100128191	NR_027157	TMPO-AS1
A_33_P3229953	5,38274	6,1749	-1,731665168	ENST00000217182	1917	NM_001958	EEF1A2
A_33_P3379199	12,2566	13,0488	-1,731713181	ENST00000401406	29796	NM_013387	UQCR10
A_33_P3286789	2,68799	3,4806	-1,732205387	ENST00000474888	N/A	N/A	N/A
A_33_P3344243	7,4231	8,21589	-1,732421522	ENST00000379205	201725	NM_001008393	C4orf46
A_23_P83192	13,1805	13,9734	-1,732553617	ENST00000492540	29085	NM_014172	PHPT1
A_33_P3325685	1,67919	2,47228	-1,732781806	ENST00000579022	284274	BC105945	SMIM21
A_23_P202939	14,7269	15,5203	-1,733154179	ENST00000263574	334	NM_001642	APLP2
A_21_P0012371	2,92277	3,71655	-1,733610744	N/A	N/A	N/A	XLOC_I2_009655
A_23_P27075	12,6278	13,4217	-1,733754948	ENST00000570856	11337	NM_007278	GABARAP
A_21_P0009763	3,80302	4,59703	-1,733887145	N/A	N/A	N/A	Inc-ANKRD27-2
A_24_P115651	1,96634	2,76056	-1,73413955	ENST00000615958	219670	NM_145010	ENKUR
A_33_P3308223	2,92741	3,72166	-1,734175611	ENST00000624828	9659	NM_001198834	PDE4DIP
A_21_P0013482	1,54837	2,34266	-1,734223693	N/A	N/A	N/A	XLOC_I2_014209
A_22_P00004776	2,98542	3,77988	-1,734428057	N/A	197187	NR_024402	SNAI3-AS1
A_21_P0014357	6,88961	7,68421	-1,734596375	ENST00000521847	284131	AK056045	ENDOV
A_33_P3370881	3,95236	4,74696	-1,734596375	ENST00000597630	N/A	XM_005259448	N/A
A_32_P41026	4,04291	4,83752	-1,734608399	N/A	6309	NM_001024956	SC5D
A_23_P83436	11,6028	12,3975	-1,734716613	ENST00000591968	5184	NM_000285	PEPD
A_22_P00017122	2,17218	2,96747	-1,735426182	N/A	101929665	XR_242542	UBE2R2-AS1
A_22_P00000668	3,76992	4,56542	-1,735678811	N/A	N/A	N/A	Inc-ACTR6-1
A_33_P3504659	9,02787	9,82351	-1,73584725	ENST00000346817	843	NM_032977	CASP10
A_24_P50245	4,42667	5,2226	-1,736196212	ENST00000412394	3108	NM_006120	HLA-DMA
A_23_P374082	6,41986	7,21605	-1,736509135	ENST00000257527	8728	NM_033274	ADAM19

A_33_P3363085	4,11345	4,90968	-1,736557282	N/A	N/A	DA571569	N/A
A_32_P458472	1,40576	2,20203	-1,73660543	ENST00000366789	375057	NM_001003665	C1orf95
A_19_P00318444	1,60639	2,40277	-1,736737845	ENST00000461398	101927149	NR_125397	LINC01471
A_21_P0004891	1,39338	2,18976	-1,736737845	N/A	N/A	N/A	lnc-TMEM14A-2
A_23_P74943	1,66643	2,46282	-1,736749883	ENST00000367007	3756	NM_172362	KCNH1
A_33_P3326588	10,1236	10,9201	-1,736882308	ENST00000312584	8793	NM_003840	TNFRSF10D
A_24_P374943	7,98953	8,78618	-1,737062905	ENST00000400165	1525	NM_001338	CXADR
A_24_P210082	8,5197	9,31636	-1,737074946	ENST00000325636	54494	NM_019021	C11orf71
A_21_P0000773	1,68912	2,48585	-1,737159231	ENST00000563172	100505817	N/A	LOC100505817
A_23_P1676	10,0826	10,8794	-1,737243521	ENST00000531851	219854	NM_001258243	TMEM218
A_22_P00013242	1,43194	2,22885	-1,737375984	ENST00000579247	N/A	N/A	N/A
A_23_P39131	11,88	12,6773	-1,737845708	ENST00000599582	29997	NM_015710	GLTSCR2
A_33_P3405743	9,05255	9,85033	-1,738424004	ENST00000370871	1429	NM_001130042	CRYZ
A_33_P3522511	8,24611	9,04399	-1,738544506	N/A	N/A	AB007954	lnc-INADL-2
A_21_P0001796	3,6339	4,43186	-1,738640914	N/A	N/A	N/A	lnc-FAM168B-1
A_33_P3328511	8,92299	9,72096	-1,738652966	ENST00000356906	100506084	NM_001039083	ARL17B
A_23_P83298	2,80325	3,60138	-1,738845799	ENST00000372469	51450	NM_016307	PRRX2
A_22_P00021187	1,74647	2,54461	-1,738857852	N/A	N/A	N/A	lnc-MEIS2-3
A_33_P3249818	1,63129	2,42955	-1,739002492	N/A	729767	NM_001278392	CEACAM18
A_23_P390704	8,56266	9,36093	-1,739014546	ENST00000229812	11329	NM_007271	STK38
A_22_P00002951	1,56677	2,36506	-1,739038654	N/A	N/A	N/A	lnc-C5orf49-1
A_23_P43238	9,97718	10,7755	-1,739074817	ENST00000480946	93100	NM_145201	NAPRT
A_33_P3353027	2,56295	3,36139	-1,739219475	ENST00000461824	N/A	N/A	N/A
A_33_P3407623	1,7678	2,56629	-1,739279753	N/A	N/A	N/A	N/A
A_22_P00012099	1,99733	2,79585	-1,73931592	N/A	N/A	BC040262	lnc-PNPLA3-1
A_33_P3339011	9,63902	10,4376	-1,739388258	ENST00000546413	55592	BC034587	GOLGA2P5
A_33_P3274811	9,15154	9,95015	-1,739424428	ENST00000468739	6705	NM_001014450	SPRR2F
A_22_P00001247	1,41817	2,21679	-1,739436485	ENST00000506086	104326191	NR_126375	LINC01336
A_33_P3379967	8,72835	9,52706	-1,739545	ENST00000460067	3134	NM_001098478	HLA-F
A_22_P00009829	2,37841	3,17717	-1,739605289	N/A	N/A	AA430309	lnc-METTL11A-1
A_33_P3304533	8,05343	8,85225	-1,739677638	ENST00000466994	388591	BC119780	RNF207
A_23_P50946	10,5255	11,3244	-1,739774109	ENST00000254661	10267	NM_005855	RAMP1
A_22_P00012507	6,591	7,39003	-1,739930886	N/A	102724795	XR_424475	LOC102724795

A_33_P3854217	9,37659	10,1757	-1,740027371	ENST00000325722	79932	NM_024874	KIAA0319L
A_33_P3411145	5,56574	6,36498	-1,74018417	ENST00000622362	285550	NM_001145191	FAM200B
A_22_P00022138	2,19095	2,99023	-1,740232419	N/A	N/A	BI458978	Inc-KRT81-2
A_33_P3254996	4,33815	5,1375	-1,740316858	ENST00000578829	257203	NR_026719	DSCR9
A_23_P365201	1,95319	2,75259	-1,740377174	ENST00000328801	347741	NM_178233	OTOP3
A_33_P3223898	2,40765	3,20717	-1,74052194	ENST00000423292	377047	NM_199183	PRSS45
A_22_P00001447	1,44232	2,24205	-1,74077531	N/A	N/A	N/A	Inc-APOC3-6
A_33_P3246553	2,51478	3,31457	-1,740847709	ENST00000373091	2899	NM_000831	GRIK3
A_23_P59285	1,7642	2,56412	-1,741004582	ENST00000379491	9247	NM_004752	GCM2
A_33_P3210119	2,16141	2,96135	-1,741028718	ENST00000491405	3139	NR_027822	HLA-L
A_23_P78742	6,86912	7,66938	-1,741414933	ENST00000593422	2323	NM_001459	FLT3LG
A_24_P237936	2,04396	2,84423	-1,741427004	ENST00000296096	150921	NM_175769	TCF23
A_23_P52939	6,92068	7,72098	-1,741463216	ENST00000528450	8501	NM_003627	SLC43A1
A_33_P3230399	10,3295	11,1298	-1,741463216	ENST00000325351	147808	NM_203374	ZNF784
A_33_P3220976	1,70403	2,50436	-1,741499429	N/A	102725109	XR_431570	LOC102725109
A_23_P26905	10,7886	11,589	-1,741583929	ENST00000577506	11232	NM_007215	POLG2
A_33_P3242231	7,9673	8,76791	-1,741837454	ENST00000488538	N/A	N/A	N/A
A_33_P3332406	6,29778	7,09844	-1,741897823	ENST00000371362	388633	NM_001010978	LDLRAD1
A_22_P00004244	7,84835	8,64906	-1,741958193	ENST00000565674	N/A	N/A	N/A
A_33_P3413098	11,0467	11,8475	-1,742066866	ENST00000610128	100129550	NR_024618	LOC100129550
A_22_P00019089	1,56063	2,3615	-1,742151393	N/A	N/A	N/A	Inc-PLEKHA8-3
A_21_P0003846	1,58244	2,38371	-1,742634487	N/A	N/A	N/A	Inc-AIMP1-1
A_23_P37375	9,11843	9,91975	-1,742694884	ENST00000261991	9252	NM_004755	RPS6KA5
A_23_P329361	10,7763	11,5777	-1,742791522	ENST00000561854	91949	NM_153603	COG7
A_32_P150391	6,75338	7,5554	-1,74354065	ENST00000542475	388327	NM_001105520	C17orf100
A_23_P200579	3,81986	4,62189	-1,743552735	ENST00000290122	23436	NM_007352	CELA3B
A_24_P369232	2,26382	3,06588	-1,743588991	ENST00000378825	83643	NM_031455	CCDC3
A_21_P0002415	4,26445	5,06669	-1,743806546	N/A	N/A	N/A	Inc-ATAD2B-1
A_33_P3362034	1,84683	2,64912	-1,743866983	ENST00000341866	399827	NR_038365	LINC01164
A_23_P116207	8,88925	9,69181	-1,744193378	ENST00000531201	56912	NM_020153	IFT46
A_23_P93383	10,6565	11,4593	-1,744483558	ENST00000383204	5863	NM_004761	RGL2
A_23_P214678	13,7882	14,5911	-1,744604481	ENST00000486590	51596	NM_015921	CUTA
A_22_P00022193	1,55041	2,35335	-1,744652852	N/A	N/A	N/A	Inc-CELF4-4

A_33_P3284311	1,72742	2,5304	-1,744701225	ENST00000458577	N/A	N/A	N/A
A_23_P426196	7,06133	7,86452	-1,744955203	ENST00000262811	23031	NM_015016	MAST3
A_21_P0006626	5,07579	5,87916	-1,745172929	ENST00000621606	23223	N/A	RRP12
A_33_P3228023	6,1729	6,97632	-1,745233413	ENST00000571345	59342	NM_021626	SCPEP1
A_22_P00007101	3,35259	4,15604	-1,745269705	ENST00000556346	100506999	N/A	LOC100506999
A_33_P3244991	6,00161	6,80522	-1,745463272	N/A	N/A	AK091251	Inc-EIF2AK4-4
A_22_P00010226	2,04244	2,84606	-1,745475371	ENST00000510150	N/A	N/A	N/A
A_33_P3384052	3,77553	4,57915	-1,745475371	ENST00000334889	30062	NM_013435	RAX
A_33_P3412488	2,42142	3,22538	-1,745886775	ENST00000417039	N/A	N/A	N/A
A_22_P00007787	2,38743	3,1914	-1,745898877	N/A	101928445	NR_110560	LOC101928445
A_33_P3257973	9,94532	10,7493	-1,745910979	ENST00000358691	9931	NM_014877	HELZ
A_33_P3333587	9,97467	10,7788	-1,746092514	ENST00000264658	84961	NM_032875	FBXL20
A_23_P97195	8,42915	9,23337	-1,746201444	ENST00000469815	56181	NM_019557	MTFR1L
A_32_P385645	1,36173	2,16599	-1,74624986	ENST00000332217	441911	NM_001004467	OR10J3
A_21_P0004884	1,36616	2,17063	-1,746504064	N/A	N/A	N/A	Inc-RUNX2-1
A_33_P3382634	1,44425	2,24872	-1,746504064	N/A	N/A	N/A	N/A
A_33_P3388815	7,08106	7,8856	-1,746588807	ENST00000370898	8790	NM_003838	FPGT
A_22_P00022873	8,78768	9,59222	-1,746588807	ENST00000577279	102724532	XR_424843	LOC102724532
A_23_P109322	2,38688	3,19161	-1,746818845	ENST00000468717	5121	NM_006198	PCP4
A_21_P0006537	7,89882	8,70388	-1,747218455	ENST00000439926	N/A	N/A	N/A
A_33_P3299510	7,32625	8,13132	-1,747230566	ENST00000567180	642658	NM_001080514	SCX
A_23_P86283	12	12,8052	-1,747388014	ENST00000294507	7805	NM_006762	LAPTM5
A_23_P501961	7,69583	8,50104	-1,747400126	ENST00000373133	26013	NM_032107	L3MBTL1
A_22_P00023255	3,53117	4,33639	-1,747412239	ENST00000438158	N/A	N/A	N/A
A_23_P205389	8,54184	9,34706	-1,747412239	ENST00000556883	64112	NM_022151	MOAP1
A_23_P430558	2,42586	3,23112	-1,747460688	ENST00000258385	1144	NM_000751	CHRND
A_22_P00009822	3,77859	4,58396	-1,74759393	N/A	100507053	NR_037884	LOC100507053
A_33_P3412184	5,90133	6,70683	-1,747751411	ENST00000619327	100507290	N/A	ZNF865
A_22_P00020933	2,11643	2,92198	-1,747811985	ENST00000565531	N/A	N/A	N/A
A_19_P00319646	10,0317	10,8373	-1,74787256	ENST00000457958	100499467	NR_036488	LINC00673
A_21_P0014441	2,15323	2,95883	-1,74787256	N/A	N/A	N/A	N/A
A_22_P00008685	5,10307	5,90877	-1,747993718	N/A	N/A	N/A	Inc-KIAA1147-1
A_22_P00015641	1,42197	2,22771	-1,748042183	N/A	N/A	N/A	Inc-SUPT3H-1

A_24_P185117	7,35929	8,1651	-1,748127001	ENST00000570858	83547	NM_031430	RILP
A_33_P3278856	3,69778	4,50371	-1,748272412	ENST00000373145	79983	NM_024921	POF1B
A_32_P204205	9,56775	10,3737	-1,748296648	ENST00000216513	51804	NM_017420	SIX4
A_21_P0008787	3,34623	4,15221	-1,748333004	N/A	N/A	N/A	Inc-AC016251.1-9
A_33_P3411097	6,44088	7,24697	-1,748466312	N/A	392862	NM_001145118	GRID2IP
A_23_P7074	11,4322	12,2384	-1,748599631	ENST00000264230	84273	NM_032313	NOA1
A_33_P3388486	3,44575	4,25212	-1,74880569	ENST00000535372	100129518	NR_037166	LOC100129518
A_22_P00007503	5,44446	6,25118	-1,749230004	N/A	N/A	N/A	Inc-GYG2-1
A_21_P0007439	1,41016	2,21693	-1,749290629	N/A	N/A	N/A	Inc-TCIRG1-2
A_21_P0014070	2,32625	3,13338	-1,749727189	ENST00000444037	N/A	AK097184	N/A
A_33_P3254078	1,70699	2,51412	-1,749727189	ENST00000471669	55064	N/A	SPATA6L
A_24_P18270	2,81178	3,61892	-1,749739317	ENST00000378681	221044	NM_145314	UCMA
A_23_P133637	1,64514	2,45241	-1,749896992	ENST00000517929	3360	NM_001040172	HTR4
A_22_P00019635	2,377	3,18429	-1,749921251	N/A	N/A	AK095221	Inc-CIB3-1
A_22_P00021259	1,68993	2,49737	-1,750103203	ENST00000431460	100887755	NR_051976	TRERNA1
A_21_P0014369	2,16668	2,97417	-1,750163858	N/A	N/A	BQ184040	N/A
A_22_P00009082	1,65369	2,46123	-1,750224515	N/A	N/A	N/A	Inc-LGALS3-1
A_23_P64860	5,12463	5,93237	-1,750467165	ENST00000550948	6404	NM_003006	SELPLG
A_21_P0014793	8,62316	9,43106	-1,750661309	ENST00000559987	55074	NM_001198533	OXR1
A_22_P00007338	7,4641	8,27208	-1,750758389	N/A	100506314	NR_038920	LOC100506314
A_23_P27724	15,0083	15,8163	-1,750782659	ENST00000598956	6415	NM_003009	SEPW1
A_23_P94494	4,18996	4,99801	-1,750843338	ENST00000462803	7091	NM_007005	TLE4
A_24_P284353	10,6097	11,418	-1,751146762	ENST00000316425	84314	NM_032354	TMEM107
A_33_P3360555	12,0405	12,849	-1,75138954	ENST00000337080	55311	NM_001253792	ZNF444
A_33_P3888485	7,04233	7,85098	-1,751571645	ENST00000438022	83875	NM_031938	BCO2
A_33_P3262769	1,35765	2,16647	-1,751778053	N/A	102724691	NR_110603	LOC102724691
A_23_P59045	8,99121	9,80014	-1,751911625	N/A	3012	NM_021052	HIST1H2AE
A_23_P34744	8,08219	8,89117	-1,751972342	ENST00000271651	1513	NM_000396	CTSK
A_22_P00013047	4,79357	5,60264	-1,75208164	ENST00000555581	N/A	N/A	N/A
A_22_P00000888	1,5554	2,36471	-1,752373132	N/A	N/A	CB106425	Inc-AHNAK-1
A_33_P3259902	11,5586	12,368	-1,752482454	ENST00000606102	N/A	N/A	N/A
A_22_P00016231	1,63615	2,44557	-1,752506749	N/A	N/A	BX097857	Inc-TMBIM4-1
A_24_P396327	6,49073	7,30027	-1,752652524	ENST00000370867	127253	NM_138467	TYW3

A_23_P324340	6,74411	7,55381	-1,75284691	ENST00000267889	85455	NM_033510	DISP2
A_23_P137543	10,883	11,6929	-1,753089923	ENST00000539719	149076	NM_152493	ZNF362
A_33_P3333982	3,51608	4,32598	-1,753089923	ENST00000612094	9659	NM_022359	PDE4DIP
A_24_P925062	7,85336	8,66333	-1,753174986	ENST00000355797	439921	NM_001008528	MXRA7
A_33_P3616021	2,22038	3,03039	-1,753223595	ENST00000434081	727699	NR_033840	LINC00163
A_21_P0006725	1,43787	2,24794	-1,753296511	ENST00000454470	100652988	N/A	LINC00702
A_33_P3369520	7,477	8,28716	-1,753405891	ENST00000369615	260425	NM_152900	MAGI3
A_22_P00012454	1,54653	2,3567	-1,753418045	N/A	N/A	N/A	Inc-PRPF19-1
A_22_P00023982	2,56484	3,37508	-1,753503123	ENST00000518539	104266957	NR_126346	KBTBD11-OT1
A_33_P3353791	6,63239	7,44271	-1,753600361	ENST00000506275	3672	NM_181501	ITGA1
A_23_P153286	8,77613	9,58647	-1,753624671	ENST00000592437	10780	NM_006630	ZNF234
A_23_P208698	10,8417	11,6524	-1,754062313	ENST00000323798	2997	NM_002103	GSY1
A_22_P00018300	2,08798	2,8989	-1,754329814	ENST00000570186	N/A	AL832220	N/A
A_24_P330691	13,5192	14,3304	-1,75467033	ENST00000314523	6613	NM_006937	SUMO2
A_23_P81441	1,51037	2,32174	-1,754877103	ENST00000537858	140947	NM_130848	DCANP1
A_33_P3457052	5,99988	6,81126	-1,754889267	N/A	N/A	N/A	Inc-KIAA1919-1
A_23_P68730	11,83	12,6414	-1,754913595	ENST00000291565	8566	NM_003681	PDXK
A_22_P00018365	1,48905	2,30076	-1,755290724	N/A	N/A	DB442329	Inc-ZWINT-4
A_33_P3333471	3,6349	4,4467	-1,755400228	N/A	N/A	CU687439	N/A
A_33_P3277328	3,76821	4,58003	-1,755424563	ENST00000512906	730102	NR_037167	LOC730102
A_23_P106874	2,50304	3,31489	-1,755461067	ENST00000379073	83449	NM_031293	PMFBP1
A_21_P0004418	1,63597	2,44794	-1,755607088	N/A	102546175	N/A	LINC01338
A_21_P0006726	2,17254	2,98456	-1,755667934	ENST00000418372	100652988	N/A	LINC00702
A_21_P0007557	1,36253	2,17461	-1,755740951	ENST00000551539	N/A	N/A	N/A
A_33_P3381127	8,4395	9,25164	-1,755813972	ENST00000612663	355	NM_000043	FAS
A_21_P0009483	2,95462	3,76678	-1,755838313	ENST00000588803	N/A	N/A	N/A
A_33_P3677061	2,93058	3,74283	-1,755947851	ENST00000571219	283887	XR_132607	LOC283887
A_21_P0009766	1,5894	2,40178	-1,756106086	N/A	N/A	N/A	Inc-NFKBID-1
A_33_P3254946	11,8045	12,6169	-1,75613043	ENST00000591490	79990	NM_024927	PLEKHH3
A_33_P3308744	1,52835	2,34078	-1,756166949	ENST00000424408	3910	NM_001105206	LAMA4
A_21_P0002640	1,66888	2,48145	-1,756337376	N/A	N/A	N/A	Inc-TMEM18-6
A_33_P3343976	2,17771	2,99043	-1,756519996	N/A	80862	NR_026751	ZNRD1-AS1
A_23_P330895	7,66809	8,48085	-1,756568698	ENST00000572515	4793	NR_040515	NFKBIB

A_21_P0011827	2,12522	2,93807	-1,756678281	N/A	N/A	N/A	XLOC_I2_007449
A_23_P319583	4,37995	5,19294	-1,756848759	ENST00000372684	9783	NM_014747	RIMS3
A_21_P0008804	1,82834	2,64141	-1,756946182	N/A	N/A	N/A	Inc-TM2D3-2
A_22_P00015918	6,6468	7,45998	-1,757080148	N/A	N/A	XM_006718417	Inc-TCIRG1-1
A_33_P3278774	5,42624	6,23953	-1,757214123	ENST00000483826	51710	BC001868	ZNF44
A_22_P00000335	1,9764	2,78971	-1,757238484	N/A	N/A	N/A	Inc-AC012652.1.1-3
A_23_P110643	7,24197	8,05541	-1,757396834	ENST00000523832	51265	NM_016508	CDKL3
A_21_P0014400	5,02017	5,83364	-1,757433378	N/A	55861	AK098015	DBNDD2
A_23_P23141	15,7536	16,5672	-1,757591746	ENST00000369387	3020	NM_002107	H3F3A
A_21_P0003861	1,54373	2,35737	-1,757640478	ENST00000503929	100506122	NR_038838	LOC100506122
A_21_P0009619	1,65118	2,46486	-1,757689211	ENST00000578803	400660	NR_120419	LINC00683
A_33_P3235400	11,2227	12,0364	-1,757713578	ENST00000469145	3068	NM_004494	HDGF
A_22_P00002858	3,13948	3,95332	-1,757884155	N/A	339942	NR_026991	H1FX-AS1
A_33_P3305467	8,82433	9,63836	-1,75811568	ENST00000566116	N/A	N/A	N/A
A_33_P3403270	2,58994	3,40408	-1,758249735	N/A	N/A	N/A	Inc-CCDC33-1
A_33_P3418790	2,42526	3,23963	-1,758530064	ENST00000380347	2797	N/A	GNRH2
A_32_P117170	9,80897	10,6234	-1,758603201	ENST00000341533	222236	NM_001122838	NAPEPLD
A_23_P101084	1,69775	2,5122	-1,758627581	ENST00000573128	84690	NM_032598	SPATA22
A_22_P00015434	6,56534	7,37983	-1,758676341	N/A	N/A	BX091689	Inc-SSR3-2
A_22_P00020522	5,58384	6,39835	-1,758700722	N/A	100874342	NR_046834	RNF216-IT1
A_33_P3887081	6,19236	7,00687	-1,758700722	ENST00000499291	338817	NR_033890	LINC01252
A_33_P3400708	4,45816	5,27329	-1,759456688	ENST00000368931	149428	NM_001159642	BNIPL
A_33_P7712547	5,54476	6,35999	-1,759578648	ENST00000597683	N/A	AK092080	N/A
A_24_P135769	2,64574	3,46097	-1,759578648	ENST00000449321	4013	NM_198315	VWA5A
A_33_P3378272	1,91204	2,72731	-1,759627435	ENST00000431918	1364	AK126462	CLDN4
A_24_P22943	2,24081	3,05615	-1,759712815	ENST00000322315	126326	NM_133261	GIPC3
A_24_P330822	2,83761	3,65297	-1,75973721	ENST00000621123	6928	BT007126	HNF1B
A_21_P0003121	2,67689	3,49239	-1,759907984	N/A	N/A	N/A	Inc-FHIT-1
A_23_P118815	12,9824	13,7979	-1,759907984	ENST00000301633	332	NM_001012271	BIRC5
A_23_P315206	8,95304	9,76868	-1,760078775	ENST00000483599	883	NM_004059	CCBL1
A_32_P22501	8,81023	9,62606	-1,760310589	ENST00000313807	645212	NR_034170	EIF3J-AS1
A_21_P0012790	2,04045	2,85633	-1,760371597	ENST00000504050	N/A	N/A	N/A
A_22_P00011100	3,47286	4,28874	-1,760371597	ENST00000524336	N/A	N/A	N/A



A_22_P00016025	1,65675	2,47266	-1,760408204	N/A	101928780	XR_244011	LOC101928780
A_23_P15714	11,2713	12,0873	-1,760518027	ENST00000611398	4905	NM_006178	NSF
A_21_P0003279	2,15372	2,96982	-1,760640061	N/A	N/A	N/A	Inc-WNT7A-1
A_21_P0010535	7,61095	8,42709	-1,760688877	N/A	N/A	N/A	XL0C_I2_000297
A_33_P3224505	3,06493	3,88121	-1,760859744	N/A	100131099	AK126083	LOC100131099
A_33_P3251209	1,6284	2,44473	-1,760920772	N/A	N/A	N/A	N/A
A_21_P0001626	3,60957	4,42625	-1,761348025	ENST00000420762	101929689	XR_247063	LOC101929689
A_21_P0001057	1,45917	2,27598	-1,761506746	N/A	91548	XR_247053	LOC91548
A_24_P383762	2,863	3,67995	-1,761677692	ENST00000520209	255426	NM_175062	RASGEF1C
A_21_P0003928	1,4742	2,29122	-1,761763171	ENST00000502934	N/A	N/A	N/A
A_32_P232035	8,85145	9,6685	-1,761799807	N/A	100270746	NR_026776	LOC100270746
A_33_P3877344	2,9481	3,76534	-1,762031847	ENST00000602579	440173	NR_027471	LOC440173
A_22_P00009177	1,61335	2,4308	-1,762288349	ENST00000565072	102725393	CF593671	LOC102725393
A_21_P0001033	1,61051	2,42797	-1,762300564	ENST00000428646	N/A	N/A	N/A
A_33_P3390723	1,47535	2,29285	-1,762349426	N/A	N/A	N/A	N/A
A_24_P120147	2,00885	2,82644	-1,762459371	ENST00000481426	N/A	XM_006711993	N/A
A_24_P385134	6,7202	7,5378	-1,762471587	ENST00000319540	79966	NM_001037582	SCD5
A_33_P3252785	4,79186	5,60962	-1,762667062	ENST00000372263	219348	N/A	PLAC9
A_23_P17012	3,64814	4,46602	-1,762813683	ENST00000272732	79634	NM_024583	SCRN3
A_24_P385611	9,31033	10,1287	-1,76341251	ENST00000462751	6672	NM_003113	SP100
A_33_P3218832	1,96502	2,78353	-1,763583641	N/A	22999	NM_014989	RIMS1
A_21_P0005618	9,04399	9,86256	-1,763656988	ENST00000561761	N/A	N/A	N/A
A_21_P0014543	3,36249	4,1812	-1,763828143	N/A	N/A	N/A	Inc-HSP90AA1-5
A_33_P3322363	1,44164	2,26035	-1,763828143	ENST00000408945	284293	NM_001123366	HMSD
A_22_P00012801	3,72606	4,54485	-1,763925953	ENST00000443685	N/A	N/A	N/A
A_19_P00320723	6,14554	6,96435	-1,763950406	ENST00000559012	100131089	NR_040059	SRP14-AS1
A_33_P3412900	7,14104	7,95999	-1,76412159	ENST00000267406	643866	NM_001039771	CBLN3
A_33_P3321946	10,4236	11,2426	-1,76418273	ENST00000379527	64598	NM_023948	MOSPD3
A_23_P425990	1,69266	2,5118	-1,764353936	ENST00000542829	23281	NM_001033602	MTUS2
A_24_P47988	7,15752	7,97668	-1,764378395	ENST00000497465	80237	NM_025165	ELL3
A_33_P3467872	1,37271	2,19195	-1,764476236	ENST00000454555	144920	NR_046391	LINC00343
A_21_P0002303	2,23648	3,05592	-1,764720861	N/A	N/A	N/A	Inc-GPD2-2
A_22_P00003255	1,97591	2,79544	-1,764830954	N/A	N/A	N/A	Inc-CALCOCO2-5

A_33_P3367062	5,6207	6,44032	-1,764941053	ENST00000367501	54823	NM_017673	SWT1
A_33_P3216227	1,40355	2,22325	-1,765038925	ENST00000360635	9270	N/A	ITGB1BP1
A_23_P144622	9,80228	10,622	-1,765063394	ENST00000508177	10007	NM_005471	GNPDA1
A_23_P401	12,4094	13,2293	-1,765283628	ENST00000366955	1063	NM_016343	CENPF
A_23_P160481	8,55694	9,37696	-1,765430466	ENST00000489398	55827	NM_018442	DCAF6
A_22_P00017530	2,32559	3,14568	-1,765516128	ENST00000553301	N/A	DA209974	N/A
A_21_P0011920	3,53872	4,35914	-1,765920016	N/A	N/A	N/A	XLOC_I2_008031
A_19_P00326514	7,30027	8,12083	-1,76609139	ENST00000602736	N/A	N/A	N/A
A_22_P00001297	1,5784	2,39897	-1,766103632	N/A	100873954	NR_046757	SNRK-AS1
A_23_P129312	2,50374	3,32438	-1,766189325	ENST00000427255	54866	NM_017726	PPP1R14D
A_23_P137381	6,4293	7,24995	-1,766201568	ENST00000486541	3399	NM_002167	ID3
A_23_P347525	1,42501	2,24578	-1,766348482	ENST00000305738	160065	NM_138294	PATE1
A_24_P383019	1,54316	2,36394	-1,766360726	ENST00000355459	140258	NM_181599	KRTAP13-1
A_33_P3225011	3,4847	4,3055	-1,766385213	N/A	N/A	KJ425573	N/A
A_33_P3370041	1,78744	2,60826	-1,7664097	N/A	102724747	N/A	LOC102724747
A_21_P0014219	5,14866	5,96949	-1,766421944	N/A	N/A	N/A	N/A
A_23_P72117	8,80719	9,62809	-1,766507654	ENST00000539041	10924	NM_006714	SMPDL3A
A_24_P928969	8,61754	9,43847	-1,766544388	ENST00000374541	5774	NM_001145369	PTPN3
A_23_P47073	9,31496	10,1359	-1,766556632	ENST00000263150	22884	NM_014023	WDR37
A_21_P0011867	10,2805	11,1015	-1,766630103	N/A	N/A	N/A	XLOC_I2_007656
A_23_P67771	9,32582	10,147	-1,766850533	ENST00000455743	580	NM_000465	BARD1
A_33_P3213645	9,07131	9,8929	-1,767352726	N/A	10595	NM_033266	ERN2
A_21_P0009932	1,58947	2,41144	-1,767818301	ENST00000487210	23236	N/A	PLCB1
A_23_P212756	2,47036	3,29235	-1,767842808	ENST00000505271	2868	NM_001004057	GRK4
A_33_P3271594	6,54103	7,36312	-1,76796535	ENST00000380075	57159	NM_032546	TRIM54
A_22_P00011251	1,50892	2,33122	-1,768222715	ENST00000466281	N/A	AJ459868	N/A
A_21_P0007682	1,58851	2,41104	-1,768504635	N/A	N/A	N/A	Inc-FGF23-3
A_22_P00022198	1,50741	2,33005	-1,768639482	ENST00000549456	338811	XR_432843	FAM19A2
A_21_P0008064	5,7326	6,55524	-1,768639482	ENST00000461527	N/A	AJ412054	N/A
A_22_P00012654	7,23911	8,06187	-1,768786599	N/A	101929746	NR_110623	ZNF341-AS1
A_32_P228501	11,7928	12,6156	-1,768835641	ENST00000374206	246184	NM_139286	CDC26
A_33_P3294966	4,60959	5,43248	-1,76894599	ENST00000575694	554206	NR_038379	LOC554206
A_23_P80902	9,42598	10,2489	-1,768982775	ENST00000453693	56992	NM_020242	KIF15

A_21_P0006462	1,61845	2,44157	-1,769228025	ENST00000422226	104797536	N/A	LINC01402
A_33_P3267760	1,78878	2,61201	-1,769362927	ENST00000378463	54880	N/A	BCOR
A_24_P227091	9,97059	10,7939	-1,769461044	ENST00000260731	3832	NM_004523	KIF11
A_24_P5305	8,08424	8,90763	-1,769559166	ENST00000566221	6687	NM_003119	SPG7
A_24_P238786	1,6323	2,45572	-1,769595964	ENST00000568175	N/A	N/A	N/A
A_22_P00015642	2,65408	3,47774	-1,76989037	N/A	N/A	DB041332	Inc-SUPT6H-1
A_32_P40463	3,42131	4,24529	-1,770282988	N/A	119369	NR_002779	NUDT9P1
A_21_P0013295	1,67017	2,49417	-1,770307529	N/A	N/A	N/A	XLOC_I2_013783
A_23_P138967	11,6196	12,4436	-1,770307529	ENST00000530923	6392	NM_003002	SDHD
A_23_P96872	13,264	14,0882	-1,770552963	ENST00000489675	51668	NM_016126	HSPB11
A_22_P00019457	3,69588	4,52031	-1,770835254	N/A	N/A	N/A	Inc-YIF1A-5
A_21_P0006401	2,9564	3,78106	-1,77111759	ENST00000452254	158801	NR_027131	NKAPP1
A_23_P34496	11,2646	12,0895	-1,771412249	ENST00000336294	55116	NM_018056	TMEM39B
A_23_P121945	7,91715	8,7421	-1,771473643	ENST00000393693	6620	NM_001001502	SNCB
A_22_P00011340	2,07061	2,89575	-1,771706957	ENST00000449472	256369	NR_024184	LINC00521
A_23_P427136	3,37078	4,19593	-1,771719238	ENST00000390666	83942	NM_032028	TSSK1B
A_22_P00014015	4,71302	5,53835	-1,771940303	N/A	389247	NR_033995	LOC389247
A_33_P3549091	3,59901	4,42436	-1,771964867	ENST00000583447	100131347	NR_036551	LOC100131347
A_24_P187651	8,55123	9,37659	-1,77197715	ENST00000565047	1201	NM_001042432	CLN3
A_23_P153586	14,5184	15,3438	-1,77202628	ENST00000304863	7386	NM_006003	UQCRFS1
A_22_P00010235	14,7933	15,619	-1,772394801	ENST00000334346	4490	NM_005947	MT1B
A_33_P3270019	4,45789	5,2836	-1,772407086	ENST00000518287	10499	NM_006540	NCOA2
A_22_P00013195	3,34012	4,16585	-1,772431657	ENST00000566476	101929069	XR_241162	LOC101929069
A_21_P0013180	2,23399	3,05975	-1,772468514	ENST00000412563	N/A	N/A	N/A
A_23_P161324	5,04193	5,86845	-1,773402482	ENST00000544879	25961	NM_015901	NUDT13
A_33_P3406547	1,47887	2,30539	-1,773402482	N/A	N/A	N/A	N/A
A_33_P3332006	10,1038	10,9305	-1,773623757	ENST00000393408	10951	NM_006807	CBX1
A_23_P126752	10,7247	11,5518	-1,774115578	ENST00000264202	832	NM_004930	CAPZB
A_22_P00009641	1,45078	2,27793	-1,774177066	ENST00000572693	10164	NM_001166395	CHST4
A_21_P0008551	1,43191	2,2591	-1,774226257	N/A	N/A	N/A	Inc-GPR132-1
A_23_P256561	1,98271	2,81018	-1,774570634	ENST00000381950	10333	NM_006068	TLR6
A_22_P00004865	1,79674	2,62437	-1,774767451	ENST00000518750	N/A	N/A	N/A
A_33_P3235207	1,8696	2,69755	-1,775161151	ENST00000547477	55089	NM_018018	SLC38A4

A_21_P0002265	2,07013	2,89811	-1,775198065	N/A	N/A	N/A	Inc-MRPS9-2
A_33_P3287800	4,15279	4,98083	-1,775271895	ENST00000550249	85474	NM_001009812	LBX2
A_33_P3330683	15,3219	16,1501	-1,77546879	N/A	N/A	N/A	XLOC_I2_008285
A_21_P0010703	5,59907	6,42727	-1,77546879	N/A	N/A	N/A	Inc-C1orf177-2
A_23_P253123	7,70893	8,53714	-1,775481096	ENST00000370634	51442	NM_016267	VGLL1
A_22_P00021360	2,46404	3,29254	-1,775838026	ENST00000446887	N/A	N/A	N/A
A_33_P3315314	14,3052	15,1337	-1,775838026	ENST00000464121	645745	NM_001276687	MT1HL1
A_24_P101617	10,1347	10,9633	-1,775961122	ENST00000426701	N/A	N/A	N/A
A_23_P254917	5,21303	6,04168	-1,776022674	ENST00000595342	3960	NM_006149	LGALS4
A_33_P3344765	5,34028	6,16896	-1,776059605	ENST00000566307	N/A	N/A	N/A
A_33_P3765291	1,44477	2,2737	-1,7763674	N/A	N/A	N/A	N/A
A_23_P122724	5,00383	5,83278	-1,776392026	ENST00000392389	8875	NM_004665	VNN2
A_21_P0006881	3,4112	4,24021	-1,776465905	N/A	N/A	N/A	Inc-SLC29A3-1
A_23_P131534	2,7356	3,56487	-1,776786086	ENST00000258456	11250	NM_007227	GPR45
A_22_P00013829	5,49404	6,32332	-1,776798401	N/A	101928403	XR_245043	LOC101928403
A_23_P301138	12,0232	12,8525	-1,776823033	ENST00000416707	51447	NM_001005910	IP6K2
A_23_P105625	11,2496	12,0791	-1,77706937	ENST00000288532	84274	NM_032314	COQ5
A_33_P3319622	1,59072	2,42027	-1,77713096	ENST00000425003	N/A	N/A	N/A
A_23_P53329	2,88298	3,71255	-1,777155596	N/A	79857	NR_026806	FLJ13224
A_24_P842172	2,52353	3,35331	-1,7774143	ENST00000618256	349196	NR_027000	LINC00965
A_23_P345928	6,4528	7,28262	-1,777463581	ENST00000548432	84190	NM_032230	METTL25
A_33_P3239620	1,59932	2,42938	-1,777759296	ENST00000217428	10816	NM_006652	SPINT3
A_24_P113815	7,82184	8,6523	-1,778252264	ENST00000246421	9906	NM_182838	SLC35E2
A_33_P3350488	11,3798	12,2103	-1,778301568	ENST00000414849	51203	NM_016359	NUSAP1
A_23_P406025	3,14147	3,97214	-1,778511126	ENST00000223609	158471	NM_015225	PRUNE2
A_33_P3301394	11,6012	12,4319	-1,77854811	ENST00000486956	N/A	N/A	N/A
A_22_P00021435	2,43792	3,26875	-1,778708381	N/A	N/A	N/A	Inc-C9orf103-3
A_33_P3298216	2,9162	3,74708	-1,778770027	ENST00000357550	23026	NM_001198950	MYO16
A_22_P00019911	2,08083	2,91184	-1,778930318	N/A	101929480	XR_243334	LOC101929480
A_24_P98524	8,35747	9,18863	-1,779115286	ENST00000394829	5532	NM_021132	PPP3CB
A_33_P3303385	13,1191	13,9503	-1,779164615	ENST00000315579	9918	NM_014865	NCAPD2
A_19_P00812310	5,88327	6,71458	-1,779300274	N/A	N/A	N/A	Inc-ITSN1-2
A_23_P72568	10,1713	11,0028	-1,77953462	ENST00000251775	8723	NM_003794	SNX4

A_23_P428366	1,67311	2,50507	-1,780102111	ENST00000403975	150280	NM_152510	HORMAD2
A_33_P3383149	2,21889	3,05089	-1,780151467	ENST00000383768	152098	XR_245097	ZCWPW2
A_33_P3262171	1,66762	2,5002	-1,780867276	ENST00000522917	654463	NM_001039112	FER1L6
A_23_P36345	11,9786	12,8115	-1,781262329	ENST00000537947	10809	NM_006645	STARD10
A_22_P00003377	2,41209	3,24503	-1,781311717	ENST00000580292	79839	AK091108	CCDC102B
A_33_P3386532	5,31359	6,14695	-1,781830371	ENST00000410030	64978	AK024058	MRPL38
A_21_P0000076	4,40665	5,24019	-1,782052698	ENST00000475504	983	NM_001170406	CDK1
A_23_P200298	10,2085	11,0421	-1,782126813	ENST00000294724	178	NM_000028	AGL
A_33_P3236109	1,47796	2,31157	-1,782139166	ENST00000354638	4948	NM_000275	OCA2
A_21_P0000140	7,81753	8,65121	-1,782225638	ENST00000497874	54741	NM_001198683	LEPROT
A_21_P0013848	9,09177	9,92555	-1,782349176	ENST00000345097	1112	NM_005197	FOXN3
A_22_P00016163	1,38633	2,22017	-1,782423304	N/A	N/A	CU692975	Inc-TK2-2
A_21_P0007010	2,13421	2,96808	-1,782460369	ENST00000449882	N/A	N/A	N/A
A_24_P918175	1,50577	2,3397	-1,782534501	N/A	653581	BC009864	LOC653581
A_21_P0007689	1,96294	2,79694	-1,782620992	N/A	N/A	N/A	Inc-HIST4H4-3
A_23_P329945	1,94804	2,78207	-1,782658061	ENST00000291823	147746	NM_144685	HIPK4
A_33_P3304162	1,56331	2,39736	-1,782682774	ENST00000620364	1310	NM_001858	COL19A1
A_22_P00020384	12,1121	12,9462	-1,782744558	ENST00000555601	100529257	NM_001202547	SYNJ2BP-COX16
A_23_P161983	2,17512	3,00923	-1,782756915	ENST00000618161	117196	NM_054032	MRGPRX4
A_33_P3237886	1,41292	2,24709	-1,782831059	N/A	N/A	AK131480	N/A
A_22_P00007180	2,03223	2,86643	-1,782868133	N/A	N/A	N/A	Inc-GNS-1
A_23_P63896	9,11552	9,94982	-1,782991716	ENST00000612663	355	NM_000043	FAS
A_33_P3213419	8,43927	9,2736	-1,783028793	N/A	100129447	AK054946	LOC100129447
A_23_P126939	7,81504	8,64939	-1,783053511	ENST00000414729	8934	NM_003929	RAB29
A_33_P3354823	3,43356	4,26793	-1,783078229	ENST00000450269	149478	NM_001136537	BTBD19
A_23_P34345	1,49873	2,33319	-1,783189467	ENST00000370119	7412	NM_001078	VCAM1
A_22_P00002457	1,56557	2,40013	-1,783313073	ENST00000500334	9455	N/A	HOMER2
A_23_P147822	10,897	11,7316	-1,783362517	ENST00000610855	64787	NM_022772	EPS8L2
A_22_P00006995	2,04154	2,87623	-1,783473773	N/A	102724384	XR_425661	LOC102724384
A_21_P0010430	4,78355	5,61839	-1,783659214	N/A	N/A	N/A	Inc-MAPK8IP2-1
A_23_P321377	4,33948	5,1745	-1,783881769	ENST00000270815	127703	NM_152374	C1orf216
A_22_P00017445	2,42511	3,26035	-1,784153818	N/A	100861520	NR_046711	POU6F2-AS1
A_33_P3284394	3,95987	4,79511	-1,784153818	N/A	873	NM_001286789	CBR1

A_33_P3741678	3,82618	4,66154	-1,784302226	N/A	N/A	N/A	N/A
A_23_P105592	12,3184	13,1538	-1,784351698	ENST00000447878	4598	NM_000431	MVK
A_21_P0010101	3,51756	4,35303	-1,784438277	N/A	N/A	N/A	Inc-PPDPF-1
A_21_P0004219	1,50499	2,34049	-1,784475384	ENST00000507582	255167	NR_024424	LINC01018
A_23_P149852	11,1223	11,9578	-1,784475384	ENST00000370220	84445	NM_032429	LZTS2
A_33_P3270228	4,72763	5,5633	-1,78468567	ENST00000376497	1185	N/A	CLCN6
A_33_P3548860	4,49003	5,32574	-1,784735152	ENST00000430145	653677	NR_004401	SEC1P
A_22_P00001467	3,92219	4,75791	-1,784747523	ENST00000505837	116984	BC031283	ARAP2
A_23_P61057	2,23551	3,07129	-1,78482175	ENST00000559342	3603	NM_004513	IL16
A_23_P102172	1,4593	2,29508	-1,78482175	ENST00000272852	130749	NM_173077	CPO
A_22_P00006640	1,9062	2,74202	-1,784871237	ENST00000552926	101927081	NR_110041	LOC101927081
A_21_P0000694	8,26877	9,10465	-1,784945469	N/A	254128	NR_037858	NIFK-AS1
A_33_P3376341	6,48212	7,31829	-1,785304302	ENST00000529415	441381	NM_001024678	LRRC24
A_21_P0002385	1,47872	2,31498	-1,785415678	ENST00000453678	N/A	N/A	N/A
A_23_P166269	4,56675	5,40307	-1,785489933	ENST00000479810	54097	NM_058186	FAM3B
A_24_P202567	12,1402	12,9767	-1,785712717	ENST00000263370	80271	NM_025194	ITPKC
A_21_P0006742	3,26008	4,09673	-1,78589839	N/A	N/A	N/A	Inc-MTPAP-2
A_33_P3293668	9,38375	10,2204	-1,78589839	N/A	55667	XM_006716804	DENND4C
A_22_P00001509	3,04435	3,88102	-1,785923148	N/A	N/A	N/A	Inc-ARHGAP17-3
A_23_P46275	13,8567	14,6934	-1,785960286	ENST00000468818	515	NM_001688	ATP5F1
A_33_P3384652	3,58767	4,42459	-1,786232652	N/A	2073	AK294708	ERCC5
A_33_P3244112	1,70739	2,5444	-1,786344087	N/A	391051	N/A	UOX
A_21_P0001238	8,87124	9,70836	-1,786480294	N/A	N/A	N/A	Inc-EGLN1-1
A_23_P251893	12,8205	13,6577	-1,78657936	ENST00000340611	221927	NM_152743	BRAT1
A_22_P00004121	2,54461	3,38184	-1,786616511	N/A	N/A	AI127333	Inc-CLCNKB-4
A_24_P399500	6,84216	7,67947	-1,786715585	ENST00000311069	126006	NM_174895	PCP2
A_22_P00018943	4,18418	5,0215	-1,78672797	ENST00000538837	N/A	N/A	N/A
A_23_P60016	8,0141	8,85145	-1,786765124	ENST00000521862	26255	NR_002734	PTTG3P
A_23_P257649	10,4145	11,2519	-1,78682705	ENST00000617459	5947	NM_002899	RBP1
A_33_P3266744	11,7874	12,6249	-1,786950907	ENST00000490170	84958	NM_032872	SYTL1
A_33_P3411025	6,06192	6,89958	-1,787149098	ENST00000479633	84986	NM_001204300	ARHGAP19
A_22_P00006085	1,68453	2,52246	-1,787483593	N/A	N/A	AL117437	Inc-FAM160A1-2
A_32_P148726	5,26518	6,10322	-1,787619887	N/A	728673	AK127789	LOC728673

A_23_P47941	2,62699	3,46523	-1,787867721	ENST00000546378	3227	NM_014212	HOXC11
A_21_P0007325	2,34828	3,18661	-1,787979258	N/A	N/A	N/A	Inc-UEVLD-1
A_22_P00011852	3,22981	4,06827	-1,788140378	N/A	N/A	N/A	Inc-PHTF2-1
A_23_P502350	7,93317	8,77163	-1,788140378	ENST00000303657	5990	NM_000635	RFX2
A_21_P0006370	6,12903	6,9675	-1,788152773	N/A	N/A	N/A	Inc-RABGAP1-1
A_23_P216340	2,27511	3,11379	-1,788413077	ENST00000338087	6503	NM_001045556	SLA
A_23_P48581	10,3002	11,1389	-1,78843787	ENST00000397382	60686	NM_021944	C14orf93
A_24_P379165	5,15122	5,99	-1,788537044	ENST00000374259	4303	NM_005938	FOXO4
A_23_P14734	12,6559	13,4952	-1,789181815	ENST00000482846	51065	NM_015920	RPS27L
A_21_P0010829	1,49696	2,33642	-1,789380252	N/A	N/A	N/A	XLOC_I2_001597
A_22_P00015063	1,67648	2,51597	-1,789417462	N/A	N/A	N/A	Inc-SNRPD3-2
A_23_P107421	15,3508	16,1905	-1,78967795	ENST00000301634	7083	NM_003258	TK1
A_32_P539599	2,00961	2,84935	-1,789727571	N/A	285962	NR_015392	WEE2-AS1
A_21_P0003281	1,63945	2,47934	-1,789913663	N/A	N/A	N/A	Inc-SATB1-1
A_21_P0008751	3,50512	4,34513	-1,79006255	N/A	N/A	N/A	Inc-ITGA11-2
A_33_P3322589	8,72479	9,5649	-1,790186632	ENST00000233741	55120	NM_001114636	FANCL
A_19_P00316564	3,43163	4,27178	-1,790236267	N/A	653712	NR_034179	LOC653712
A_21_P0009103	2,9776	3,81776	-1,790248676	N/A	102725333	XR_424707	LOC102725333
A_22_P00024394	5,23783	6,07805	-1,790323132	ENST00000509943	N/A	N/A	N/A
A_32_P34003	4,9558	5,79615	-1,790484463	ENST00000333129	55137	N/A	FIGN
A_23_P23996	2,77037	3,61085	-1,79064581	ENST00000372213	4143	NM_000429	MAT1A
A_22_P00016980	1,54724	2,38792	-1,790894063	N/A	N/A	N/A	Inc-TTC21A-1
A_23_P210807	2,2056	3,0464	-1,791043032	ENST00000347397	128817	NM_138283	CSTL1
A_22_P00009299	3,27055	4,1115	-1,79122926	ENST00000449215	N/A	N/A	N/A
A_33_P3338968	8,58677	9,42792	-1,791477594	ENST00000396994	N/A	N/A	N/A
A_33_P3261937	4,442	5,28337	-1,791750802	ENST00000382951	440163	NM_001012264	RNASE13
A_19_P00803507	4,36631	5,20777	-1,79186258	N/A	101929666	XR_247062	LOC101929666
A_22_P00000686	1,43926	2,28089	-1,792073737	ENST00000518465	N/A	BU570762	N/A
A_33_P3322125	4,74414	5,5858	-1,792111002	ENST00000425012	9802	NM_001136269	DAZAP2
A_21_P0001585	1,44322	2,28515	-1,792446427	N/A	N/A	N/A	Inc-ETV3-2
A_23_P134854	7,10303	7,94504	-1,792545824	ENST00000519106	137075	NM_194284	CLDN23
A_23_P72059	8,63118	9,47321	-1,792570674	ENST00000359236	54621	NM_019086	VSIG10
A_23_P99967	9,18481	10,0269	-1,792645227	ENST00000566400	585	NM_033028	BBS4

A_21_P0008041	1,36577	2,208	-1,792819194	N/A	N/A	N/A	Inc-MTUS2-2
A_33_P3379381	6,53716	7,37952	-1,792980751	ENST00000371023	79819	NM_207014	WDR78
A_21_P0003733	5,00581	5,84821	-1,793030464	N/A	N/A	N/A	Inc-CCKAR-1
A_33_P3347320	7,30396	8,14653	-1,793241758	N/A	100133190	BC017676	ADIRF-AS1
A_33_P3238521	10,9029	11,7455	-1,793279048	ENST00000442987	402483	N/A	LINC01000
A_23_P381461	7,26735	8,11004	-1,793390922	ENST00000306688	201255	JF432130	LRRC45
A_33_P3307307	7,30803	8,15076	-1,793440646	ENST00000534358	4297	NM_001197104	KMT2A
A_24_P58331	6,46944	7,31219	-1,793465509	ENST00000592902	79877	NM_024819	DCAKD
A_33_P3329984	6,50129	7,34423	-1,79370172	ENST00000585737	199720	NM_152657	GGN
A_21_P0010283	1,56932	2,4123	-1,793751452	N/A	N/A	N/A	Inc-PSMG1-3
A_23_P151851	9,53455	10,3779	-1,794211545	ENST00000603300	50506	NM_014080	DUOX2
A_23_P107073	12,1609	13,0049	-1,795020101	ENST00000254719	6117	NM_002945	RPA1
A_33_P3266078	3,85619	4,70029	-1,795144527	ENST00000623437	144125	NM_001004489	OR2AG1
A_33_P3209591	12,606	13,4501	-1,795144527	ENST00000473153	360	NM_004925	AQP3
A_33_P3253361	3,16902	4,01346	-1,795567639	N/A	N/A	AK127417	N/A
A_23_P34827	6,97573	7,82021	-1,795617423	ENST00000496230	57657	NM_020897	HCN3
A_33_P3238976	11,7795	12,6242	-1,795891262	ENST00000556317	57570	NM_020810	TRMT5
A_23_P138137	10,2747	11,1196	-1,796140242	ENST00000476933	115209	NM_145243	OMA1
A_22_P00005790	5,33738	6,18231	-1,796177593	ENST00000430679	N/A	N/A	N/A
A_21_P0014669	4,26189	5,107	-1,796401709	ENST00000563195	9849	N/A	ZNF518A
A_21_P0003849	2,07323	2,91843	-1,796513778	N/A	N/A	N/A	Inc-UGT8-1
A_24_P54174	3,93302	4,77836	-1,796688121	ENST00000376259	7133	NM_001066	TNFRSF1B
A_23_P50232	3,09123	3,9372	-1,797472875	ENST00000596375	6795	NM_001015878	AURKC
A_24_P925314	8,83403	9,68006	-1,797547632	ENST00000357164	2760	NM_000405	GM2A
A_33_P3338360	8,50133	9,34778	-1,798071013	N/A	677768	NR_003002	SCARNA13
A_23_P406227	2,78817	3,63475	-1,798233043	N/A	197187	NR_024399	SNAI3-AS1
A_24_P221960	2,15498	3,00181	-1,79854468	N/A	23471	AF130055	TRAM1
A_22_P00021349	6,09854	6,94538	-1,798557147	N/A	100288748	NR_034034	LOC100288748
A_23_P392470	1,77956	2,62648	-1,798656883	ENST00000358102	4306	NM_000901	NR3C2
A_23_P310022	9,2727	10,1197	-1,798756624	ENST00000376454	56243	NM_019590	KIAA1217
A_23_P209735	6,49929	7,34634	-1,798818966	ENST00000349938	80210	NM_025139	ARMC9
A_33_P3385870	7,30223	8,14932	-1,798868884	ENST00000316355	901	NM_004354	CCNG2
A_23_P97606	4,84633	5,69354	-1,799018472	ENST00000369813	2949	NM_000851	GSTM5



A_19_P00809168	1,3437	2,19095	-1,799068352	N/A	N/A	N/A	Inc-BRI3BP-2
A_21_P0012297	1,40599	2,25341	-1,799280358	N/A	N/A	N/A	XLOC_I2_009539
A_22_P00008964	4,09819	4,9457	-1,799392606	ENST00000466206	N/A	N/A	N/A
A_33_P3325606	2,18136	3,02896	-1,799504862	ENST00000360083	100130451	NM_001242575	LOC100130451
A_21_P0010493	6,35429	7,20203	-1,799679495	ENST00000623892	N/A	N/A	N/A
A_24_P19677	2,50696	3,35479	-1,799791769	ENST00000374418	163702	NM_173065	IFNLR1
A_23_P101707	9,68551	10,5334	-1,799866621	ENST00000585479	10226	NM_005817	PLIN3
A_33_P3289865	5,25999	6,1079	-1,799891573	ENST00000428675	5334	NM_006226	PLCL1
A_22_P00004221	1,60053	2,44846	-1,799916525	N/A	N/A	AK094657	Inc-CLUL1-1
A_22_P00018278	1,80333	2,65127	-1,799929001	N/A	N/A	N/A	Inc-ZNF790-1
A_23_P140029	9,43652	10,2846	-1,800103676	ENST00000380680	5412	NM_007106	UBL3
A_33_P3255409	12,2611	13,1093	-1,80025341	ENST00000262265	55011	NM_017916	PIH1D1
A_22_P00000407	3,51968	4,36806	-1,800478036	N/A	N/A	XM_006710034	Inc-AC040934.1-3
A_21_P0011804	4,7789	5,62728	-1,800478036	N/A	100507006	NR_120420	LOC100507006
A_33_P3408624	1,49903	2,3475	-1,800590359	ENST00000382841	440073	NM_015232	IQSEC3
A_23_P4922	10,6016	11,4503	-1,800877439	ENST00000614654	374920	NM_199341	C19orf68
A_24_P174294	1,70118	2,55005	-1,801089658	ENST00000409088	80059	NM_024993	LRRTM4
A_23_P58031	5,79727	6,64619	-1,80115208	ENST00000424227	9175	NM_004721	MAP3K13
A_24_P696761	8,47662	9,32557	-1,801189534	ENST00000367151	93273	NM_001001552	LEMD1
A_22_P00007735	5,61691	6,466	-1,801364331	ENST00000526829	55823	NM_001290185	VPS11
A_23_P48784	1,62816	2,47728	-1,80140179	ENST00000556822	10858	NM_006668	CYP46A1
A_33_P3384287	11,1448	11,994	-1,801501684	ENST00000264560	5064	NM_002579	PALM
A_33_P3321697	8,30758	9,15678	-1,801501684	ENST00000621003	64097	NM_022140	EPB41L4A
A_24_P383598	2,09136	2,94062	-1,801576607	ENST00000434012	N/A	N/A	N/A
A_22_P00010924	2,72813	3,57742	-1,801614071	ENST00000438096	644990	NR_046244	THRB-AS1
A_23_P121120	11,1166	11,9659	-1,801626558	ENST00000260843	53836	NM_023915	GPR87
A_19_P00802201	12,0269	12,8762	-1,801626558	ENST00000399411	N/A	N/A	N/A
A_33_P3221403	1,53676	2,38621	-1,801813887	ENST00000623376	646743	AY726562	LOC646743
A_23_P26024	11,8709	12,7204	-1,801876334	ENST00000396650	84419	NM_032413	C15orf48
A_33_P3322082	7,24604	8,09566	-1,802026216	N/A	N/A	BQ934349	N/A
A_23_P44942	5,41082	6,26046	-1,802051198	ENST00000530061	80071	NM_025004	CCDC15
A_33_P3358621	4,70795	5,55773	-1,802226079	ENST00000608609	100506036	XR_109916	LOC100506036
A_33_P3362208	5,70565	6,55554	-1,802363497	N/A	100129233	AK130248	LOC100129233

A_24_P257579	5,21656	6,06652	-1,80245095	ENST00000515047	64097	NM_022140	EPB41L4A
A_23_P63032	2,12697	2,97701	-1,802550902	ENST00000372581	2981	NM_007102	GUCA2B
A_33_P3230818	1,87668	2,72696	-1,802850791	ENST00000371374	10231	NM_001251973	RCAN2
A_23_P57268	9,92341	10,7737	-1,802863287	ENST00000284878	1525	NM_001338	CXADR
A_21_P0014493	7,71286	8,56322	-1,802950765	ENST00000514146	100507602	NR_102759	TRIM52-AS1
A_23_P27744	10,1753	11,026	-1,803375716	ENST00000317683	23403	NM_001080469	FBXO46
A_23_P207564	3,27409	4,12509	-1,803750757	ENST00000613947	9560	NM_001291470	CCL4L2
A_33_P3283897	1,52781	2,37891	-1,803875788	N/A	100130761	AK095511	LOC100130761
A_32_P71113	7,95969	8,81109	-1,804250932	ENST00000336505	286205	NM_173690	SCAI
A_33_P3346331	2,17871	3,03066	-1,804938899	N/A	N/A	N/A	N/A
A_21_P0010495	1,53888	2,39085	-1,804963921	ENST00000623664	100507412	N/A	LOC100507412
A_23_P32454	5,96455	6,81656	-1,805013966	ENST00000220616	7038	NM_003235	TG
A_22_P00015771	3,70279	4,55491	-1,805151597	ENST00000533938	N/A	BC035612	N/A
A_22_P00001738	1,92697	2,77918	-1,805264212	ENST00000413227	101929596	NR_110259	LOC101929596
A_33_P3381832	2,02414	2,87685	-1,805889977	ENST00000471784	401565	XR_245332	FAM166A
A_23_P98830	1,555	2,40789	-1,806115306	ENST00000311659	50613	NM_017481	UBQLN3
A_24_P306892	3,0057	3,85865	-1,806190421	ENST00000266383	283358	NM_173593	B4GALNT3
A_24_P212072	7,86032	8,71338	-1,806328142	ENST00000504099	84250	NM_032290	ANKRD32
A_23_P101551	11,9636	12,8167	-1,806378225	ENST00000316273	587	NM_001190	BCAT2
A_23_P54918	6,83559	7,68893	-1,80667875	ENST00000450168	197257	NM_153486	LDHD
A_21_P0012979	9,21743	10,0709	-1,806841556	ENST00000514048	N/A	N/A	N/A
A_22_P00012385	8,41582	9,26936	-1,806929226	N/A	N/A	N/A	Inc-PRKAA2-7
A_23_P89910	10,5685	11,4221	-1,807004376	ENST00000591607	79760	NM_024707	GEMIN7
A_22_P00007141	4,81786	5,67151	-1,807067003	ENST00000426302	N/A	N/A	N/A
A_22_P00000791	2,49683	3,35051	-1,80710458	N/A	N/A	N/A	Inc-ADRB1-2
A_22_P00012226	1,3707	2,22463	-1,807417755	ENST00000553006	N/A	N/A	N/A
A_22_P00013811	1,41949	2,27406	-1,808219729	N/A	N/A	DB443668	Inc-RP5-1047A19.4.1-1
A_23_P21473	8,9098	9,76438	-1,808232263	ENST00000484888	80321	NM_024491	CEP70
A_23_P354208	11,0428	11,8975	-1,808382673	ENST00000615141	124997	NM_152348	WDR81
A_21_P0008656	6,79897	7,65375	-1,808482954	N/A	N/A	N/A	Inc-ARID3B-1
A_23_P51548	13,4714	14,3262	-1,808508025	ENST00000495447	4259	NM_004528	MGST3
A_24_P223874	2,02858	2,88339	-1,808520561	ENST00000372327	653509	NM_005411	SFTPA1
A_21_P0014149	5,42184	6,27668	-1,808558168	N/A	101928794	NR_111908	LOC101928794

A_21_P0009164	1,69763	2,55262	-1,808746218	N/A	N/A	N/A	Inc-PIPOX-1
A_22_P00001877	2,90489	3,76033	-1,809310483	N/A	102724786	XR_425272	LOC102724786
A_22_P00021328	8,76991	9,62541	-1,809385732	ENST00000361875	9819	N/A	TSC22D2
A_21_P0014306	6,57802	7,43363	-1,809523696	ENST00000567216	6650	XM_006720935	CAPN15
A_23_P88435	7,78296	8,63873	-1,80972439	ENST00000345097	1112	NM_005197	FOXN3
A_23_P301328	2,60069	3,45647	-1,809736934	ENST00000476313	8566	AK094630	PDXK
A_22_P00010420	2,22717	3,08301	-1,8098122	N/A	104968399	NR_130145	LOC104968399
A_32_P1381	12,9965	13,8524	-1,80988747	N/A	3151	M12623	HMG2
A_23_P58993	4,28874	5,14467	-1,809925106	ENST00000340692	4337	NM_005943	MOCS1
A_23_P120103	9,65594	10,5119	-1,809962742	ENST00000403915	3790	NM_002252	KCNS3
A_21_P0001547	1,74924	2,60522	-1,809987834	N/A	N/A	N/A	Inc-HFM1-1
A_21_P0000823	4,0699	4,92603	-1,810176032	N/A	100506215	NR_038879	PAXBP1-AS1
A_23_P78410	10,3073	11,1637	-1,810514837	ENST00000169551	29090	NM_014177	TIMM21
A_23_P50389	9,71404	10,5705	-1,810590136	ENST00000205194	57106	NM_020378	NAT14
A_23_P433016	9,60063	10,4572	-1,810728192	ENST00000476366	2192	NM_001996	FBLN1
A_22_P00014806	1,60068	2,45752	-1,811067101	ENST00000446332	N/A	BG186396	N/A
A_33_P3692979	2,29191	3,14887	-1,811217748	N/A	283485	AK093862	LOC283485
A_22_P00008957	1,63214	2,4891	-1,811217748	ENST00000428426	N/A	N/A	N/A
A_23_P44466	3,80492	4,66206	-1,811443741	ENST00000360242	79839	NM_024781	CCDC102B
A_23_P400078	6,481	7,33822	-1,811544192	ENST00000376583	4524	NM_005957	MTHFR
A_33_P3377888	4,14415	5,00157	-1,811795342	N/A	N/A	AK123255	N/A
A_22_P00014609	1,72006	2,57759	-1,81193349	ENST00000535022	N/A	N/A	N/A
A_23_P46333	10,1794	11,037	-1,812021408	ENST00000476037	22823	NM_007358	MTF2
A_21_P0006196	1,65736	2,51497	-1,812033968	N/A	N/A	N/A	Inc-SMC2-1
A_33_P3369781	7,03588	7,89366	-1,812247502	ENST00000369747	90025	XM_006715597	UBE3D
A_23_P88351	6,79866	7,65652	-1,812347997	ENST00000556067	51062	NM_181598	ATL1
A_24_P102821	9,79582	10,6537	-1,812373121	ENST00000305392	5724	NM_000952	PTAFR
A_33_P3399363	1,6437	2,50177	-1,812611823	ENST00000392551	151556	NM_001033045	GPR155
A_24_P293114	3,13079	3,9889	-1,81266208	ENST00000338932	57731	NM_020971	SPTBN4
A_21_P0014108	3,70251	4,56073	-1,812800294	N/A	25945	NM_001243288	PVRL3
A_33_P3301940	3,08075	3,93924	-1,813139591	ENST00000615259	27115	NM_018945	PDE7B
A_33_P3414022	1,4648	2,3234	-1,813277841	N/A	100996724	XM_003846758	LOC100996724
A_21_P0012866	3,98367	4,84232	-1,813340685	N/A	N/A	N/A	XLOC_l2_011872

A_23_P358662	7,57461	8,43335	-1,813453811	ENST00000503780	80817	NM_001040157	CEP44
A_21_P0014806	8,07259	8,93137	-1,813504091	N/A	100507131	XR_132626	LOC100507131
A_33_P3287502	9,87511	10,7339	-1,813516662	ENST00000617333	4436	NM_000251	MSH2
A_23_P52610	13,5317	14,3905	-1,813529232	ENST00000378601	1643	NM_000107	DDB2
A_22_P00015586	3,87187	4,73087	-1,813780658	N/A	N/A	BX114926	Inc-STX3-2
A_22_P00024413	1,56994	2,42904	-1,813906384	ENST00000533866	100049587	N/A	SIGLEC14
A_23_P170534	5,56688	6,4261	-1,814057267	ENST00000314412	2529	NM_004479	FUT7
A_33_P3387766	2,91639	3,77577	-1,814258463	ENST00000578613	284276	NR_015417	LINC00908
A_32_P228699	8,46716	9,32666	-1,814409375	ENST00000423662	56980	NM_199437	PRDM10
A_33_P3333955	1,56183	2,42142	-1,814522568	ENST00000442466	N/A	N/A	N/A
A_24_P330971	14,4179	15,2775	-1,814535145	ENST00000588422	27335	NM_013234	EIF3K
A_22_P00004392	7,24845	8,10813	-1,814635767	N/A	N/A	AK054902	Inc-COL9A2-1
A_21_P0008120	1,60828	2,46804	-1,814736394	N/A	N/A	N/A	Inc-RP11-65D24.2.1-1
A_33_P3378212	11,805	12,6648	-1,81478671	ENST00000622046	81857	NM_030973	MED25
A_21_P0013351	3,93109	4,7909	-1,81479929	N/A	N/A	N/A	XLOC_I2_014024
A_23_P103465	3,45632	4,31615	-1,814824448	ENST00000465698	5322	NM_000929	PLA2G5
A_23_P111492	7,66845	8,52831	-1,814862187	ENST00000490309	64598	NM_023948	MOSPD3
A_33_P3354084	2,31728	3,17755	-1,815378026	ENST00000370656	80135	N/A	RPF1
A_33_P3284925	1,71385	2,57423	-1,815516447	ENST00000382100	7436	NM_001018056	VLDLR
A_33_P3270657	7,50072	8,3611	-1,815516447	ENST00000343597	374393	NM_198947	FAM111B
A_22_P00014796	7,42933	8,28971	-1,815516447	ENST00000581801	100499467	NR_036488	LINC00673
A_33_P3298425	10,5714	11,4318	-1,815541616	ENST00000489303	8543	NM_006769	LMO4
A_24_P940517	8,76825	9,62877	-1,815692635	ENST00000433351	51449	NM_016297	PCYOX1
A_23_P37560	7,63197	8,4925	-1,81570522	ENST00000300056	8800	NM_003847	PEX11A
A_24_P298174	8,14565	9,00644	-1,816032473	ENST00000453841	10951	NM_006807	CBX1
A_24_P192301	7,34985	8,2107	-1,816108001	ENST00000265362	10371	NM_006080	SEMA3A
A_33_P3267081	9,37778	10,2387	-1,816196121	ENST00000434417	51333	NM_016643	ZNF771
A_21_P0002902	2,88913	3,7501	-1,816259067	ENST00000463978	104355289	NR_126405	LINC01324
A_21_P0014812	1,62311	2,4842	-1,816410145	N/A	N/A	XR_132644	N/A
A_22_P00014680	1,44497	2,30617	-1,816548645	N/A	N/A	AK054790	Inc-SLC25A19-1
A_22_P00003286	10,6524	11,5136	-1,816548645	N/A	N/A	AK091113	Inc-CAMK1G-1
A_21_P0004623	1,53342	2,39465	-1,81658642	N/A	N/A	N/A	Inc-AL035696.1-3
A_22_P00004026	1,87702	2,73832	-1,816674563	ENST00000424219	N/A	N/A	N/A

A_33_P3393582	5,9211	6,78242	-1,816699748	ENST00000564630	23582	AK124193	CCNDBP1
A_22_P00004944	1,70227	2,56393	-1,81712794	ENST00000557409	N/A	DA877715	N/A
A_22_P00004710	3,22182	4,08359	-1,817266494	ENST00000499481	283387	XR_247842	LOC283387
A_23_P90533	11,8288	12,6906	-1,817304284	ENST00000587232	10775	NM_006627	POP4
A_22_P00009865	3,63013	4,49203	-1,817430254	ENST00000582086	N/A	BG286916	N/A
A_22_P00013843	1,35135	2,21373	-1,818035033	N/A	N/A	DB099988	Inc-RPL27A-1
A_33_P3377110	9,6678	10,5303	-1,818186259	ENST00000310611	284613	NM_001134404	CYB561D1
A_24_P198178	1,49911	2,36167	-1,818261877	ENST00000469608	796	NM_001033953	CALCA
A_33_P3319502	11,7269	12,5895	-1,81831229	N/A	N/A	N/A	N/A
A_23_P26583	2,80274	3,66542	-1,818413122	ENST00000545081	84166	NM_032206	NLRC5
A_23_P85716	3,94733	4,81002	-1,818425726	ENST00000471026	2212	NM_021642	FCGR2A
A_23_P59714	4,30366	5,16636	-1,818438331	N/A	84849	NR_026902	MGC16142
A_23_P104471	2,65557	3,51828	-1,818450935	ENST00000607131	51207	NM_001007271	DUSP13
A_32_P191840	1,38234	2,24514	-1,81856438	N/A	644662	XR_171034	LOC644662
A_22_P00025271	1,79586	2,65871	-1,818627407	ENST00000514385	486	AL831840	FXD2
A_23_P92057	8,67102	9,53387	-1,818627407	ENST00000263967	5290	NM_006218	PIK3CA
A_23_P46025	5,12116	5,98406	-1,818690437	ENST00000367202	55224	NM_018208	ETNK2
A_23_P83134	4,71071	5,57367	-1,818766076	ENST00000298743	2619	NM_002048	GAS1
A_33_P3358750	5,16031	6,02374	-1,819358689	ENST00000357155	343263	NM_001010985	MYBPHL
A_33_P3263157	9,40842	10,2719	-1,819421744	ENST00000423237	N/A	N/A	N/A
A_32_P59486	10,9192	11,7829	-1,819699213	ENST00000530923	6392	NM_003002	SDHD
A_22_P00009719	10,3904	11,2542	-1,819825349	ENST00000479610	N/A	N/A	N/A
A_33_P3303542	4,28663	5,15062	-1,820065032	ENST00000389623	284297	NM_001144950	SSC5D
A_33_P3712341	4,13127	4,99526	-1,820065032	ENST00000395795	6387	NM_001033886	CXCL12
A_23_P204640	5,10601	5,97011	-1,820203811	ENST00000229307	79923	NM_024865	NANOG
A_21_P0008878	2,32366	3,18787	-1,8203426	ENST00000575767	101927348	NR_110915	LOC101927348
A_22_P00007727	2,84859	3,71282	-1,820367835	ENST00000440104	N/A	N/A	N/A
A_33_P3884005	1,88879	2,75314	-1,820519255	N/A	93444	AK000175	LOC93444
A_32_P2634	6,32621	7,19072	-1,820721169	N/A	N/A	N/A	XLOC_I2_001592
A_33_P3237235	6,01613	6,88066	-1,820746409	ENST00000251547	93611	NM_001014765	FBXO44
A_22_P00023131	3,68582	4,55064	-1,821112439	N/A	N/A	BC031940	Inc-FANCI-1
A_33_P3270417	1,52397	2,3888	-1,821125062	N/A	N/A	N/A	N/A
A_22_P00005563	2,54337	3,40854	-1,821554297	N/A	N/A	AK026119	Inc-EEDP1-1

A_22_P00017965	2,27311	3,1383	-1,82157955	ENST00000568036	N/A	N/A	N/A
A_33_P3307177	2,2798	3,14501	-1,821604802	N/A	729975	NR_034159	LINC01530
A_21_P0004455	2,66306	3,52828	-1,821617429	N/A	N/A	N/A	Inc-PRELI2-1
A_33_P3374205	9,55701	10,4223	-1,821705816	ENST00000617118	4288	NM_002417	MKI67
A_33_P3384332	1,72324	2,58854	-1,821718444	ENST00000374401	79290	NM_001004297	OR13A1
A_22_P00002185	7,23303	8,09838	-1,821781581	ENST00000563602	N/A	AF086310	N/A
A_33_P3283611	10,8301	11,6955	-1,82184472	ENST00000371818	3437	NM_001289758	IFIT3
A_33_P3270776	2,72875	3,59424	-1,821958376	ENST00000382512	94031	NM_001297559	HTRA3
A_23_P405878	8,35412	9,21966	-1,822021521	ENST00000380491	121273	NM_152319	C12orf54
A_23_P217114	7,89366	8,7596	-1,822526763	ENST00000482847	210	NM_000031	ALAD
A_22_P00012793	1,52649	2,39251	-1,822627828	N/A	N/A	N/A	Inc-RALGPS2-2
A_23_P332326	10,8862	11,7523	-1,822728899	ENST00000270747	128272	NM_153213	ARHGEF19
A_23_P15272	8,36201	9,22856	-1,823297526	ENST00000565118	368	NM_001079528	ABCC6
A_33_P3300610	2,10013	2,96683	-1,823487108	ENST00000305456	390882	NM_001005193	OR7G2
A_21_P0008799	2,65093	3,51803	-1,823992756	N/A	N/A	N/A	Inc-PGPEP1L-1
A_23_P344555	8,8465	9,71368	-1,824093903	ENST00000448183	4739	NM_006403	NEDD9
A_23_P315836	8,43202	9,29926	-1,824169766	ENST00000321300	10458	NM_017451	BAIAP2
A_21_P0003161	2,23877	3,10612	-1,824308857	N/A	N/A	N/A	Inc-LRRC58-1
A_23_P11685	9,59139	10,4591	-1,824764139	ENST00000367466	5321	NM_024420	PLA2G4A
A_23_P250800	8,70318	9,571	-1,824903276	ENST00000477899	10402	NM_006100	ST3GAL6
A_22_P00025250	1,65827	2,5261	-1,824915925	N/A	N/A	N/A	Inc-SMARCC2-3
A_33_P3336422	9,33926	10,2073	-1,825181581	N/A	729013	NR_034137	ZBED5-AS1
A_23_P327361	4,6906	5,5588	-1,825384012	ENST00000449909	23312	NM_015263	DMXL2
A_21_P0011347	1,60849	2,47672	-1,82542197	ENST00000455737	N/A	XM_006709981	N/A
A_33_P3374210	9,751	10,6195	-1,825763629	ENST00000617118	4288	NM_002417	MKI67
A_33_P3267410	4,71793	5,58685	-1,826295226	ENST00000445946	100144748	NM_001126049	KLLN
A_33_P3640106	1,63362	2,50265	-1,826434479	ENST00000590963	400685	NR_033982	LOC400685
A_21_P0005447	7,06945	7,93854	-1,82651044	ENST00000608317	202781	NR_028090	PAXIP1-AS1
A_24_P371281	10,4467	11,3162	-1,827029591	ENST00000393079	80723	NM_025246	SLC35G2
A_23_P7212	6,89505	7,76465	-1,827156235	ENST00000512148	3426	NM_000204	CFI
A_33_P3245348	4,39376	5,2634	-1,827206895	ENST00000620667	85285	NM_033060	KRTAP4-1
A_22_P00012627	1,71017	2,58003	-1,827485552	ENST00000528496	101928823	XR_246475	LOC101928823
A_23_P44363	6,34721	7,21712	-1,827548888	ENST00000321617	57513	NM_020753	CASKIN2

A_23_P52885	7,89915	8,7691	-1,82759956	ENST00000526629	79684	NM_024631	MSANTD2
A_33_P3333272	1,70189	2,57189	-1,8276629	ENST00000421688	283999	NM_001204210	TMEM235
A_23_P401084	6,67762	7,54778	-1,827865606	N/A	284346	NM_174945	ZNF575
A_33_P3366266	1,58041	2,45065	-1,827966967	N/A	N/A	N/A	Inc-TRIM29-1
A_33_P3379763	7,3194	8,18965	-1,827979638	ENST00000588055	N/A	N/A	N/A
A_24_P39928	2,53774	3,4081	-1,82811902	ENST00000318438	342898	NM_001080468	SYCN
A_33_P3336562	1,66046	2,53085	-1,828157035	ENST00000442072	N/A	N/A	N/A
A_33_P3268612	2,05973	2,93016	-1,828207723	ENST00000374421	163702	NM_170743	IFNLR1
A_24_P254084	5,11783	5,9883	-1,828258412	ENST00000304060	7620	NM_021915	ZNF69
A_23_P411723	10,5992	11,4697	-1,82829643	ENST00000316981	5324	NM_002655	PLAG1
A_23_P202696	8,74436	9,61503	-1,82851188	ENST00000430070	55709	NM_016506	KBTBD4
A_23_P91140	6,83816	7,7093	-1,829107668	ENST00000461330	55825	NM_018441	PECR
A_23_P49546	3,09074	3,96198	-1,829234457	ENST00000293190	2905	NM_000835	GRIN2C
A_23_P46378	9,40543	10,2767	-1,829272495	ENST00000374145	55650	NM_017837	PIGV
A_33_P3375708	3,15718	4,02857	-1,829424656	N/A	N/A	N/A	XLOC_I2_012147
A_33_P3262799	4,52353	5,39494	-1,829450017	ENST00000558067	N/A	AK000093	N/A
A_21_P0012528	6,13513	7,00655	-1,829462698	ENST00000601814	N/A	N/A	N/A
A_33_P3385266	7,47379	8,34523	-1,82948806	ENST00000542005	368	NM_001079528	ABCC6
A_22_P00015596	4,52451	5,39609	-1,829665603	ENST00000376352	252983	AK090797	STXBP4
A_24_P276490	9,30763	10,1794	-1,829906582	ENST00000420982	11313	NM_007260	LYPLA2
A_21_P0010046	6,13397	7,00574	-1,829906582	N/A	N/A	N/A	Inc-SULF2-1
A_33_P3297818	1,42076	2,29266	-1,830071481	N/A	N/A	N/A	N/A
A_22_P00001130	2,41249	3,28446	-1,830160279	N/A	100507300	NR_038907	ALKBH3-AS1
A_33_P3289705	10,3531	11,2253	-1,830452073	ENST00000482512	2804	NM_001256487	GOLGB1
A_21_P0014107	3,10234	3,97459	-1,830515513	N/A	100506555	NR_045114	PVRL3-AS1
A_22_P00013450	1,50297	2,37536	-1,830693156	ENST00000456032	N/A	N/A	N/A
A_22_P00023135	1,52369	2,3964	-1,831099262	N/A	N/A	N/A	Inc-TRIM7-1
A_22_P00009674	2,47593	3,34873	-1,831213495	N/A	N/A	N/A	Inc-MBIP-2
A_33_P3345031	5,26497	6,13788	-1,831353124	N/A	N/A	N/A	N/A
A_23_P62764	7,88951	8,76252	-1,831480068	ENST00000483009	79140	NM_024296	CCDC28B
A_33_P3393331	2,071	2,94402	-1,831492763	ENST00000329805	162387	NM_152599	MFSD6L
A_22_P00023864	2,2075	3,08056	-1,831543543	ENST00000436551	101929723	NR_110262	LOC101929723
A_21_P0011263	6,13893	7,01218	-1,831784769	N/A	N/A	N/A	XLOC_I2_004371

A_21_P0003023	1,36991	2,24321	-1,831848255	N/A	N/A	N/A	Inc-ROPN1B-5
A_33_P3417920	3,22519	4,09865	-1,832051425	ENST00000376064	8852	NM_003886	AKAP4
A_21_P0011926	2,5122	3,38589	-1,832343521	N/A	N/A	N/A	XLOC_I2_008086
A_21_P0002502	2,17801	3,05192	-1,832622961	N/A	N/A	N/A	Inc-WDR33-1
A_21_P0013479	1,56736	2,44143	-1,832826216	N/A	N/A	N/A	XLOC_I2_014197
A_22_P00018426	1,95592	2,83001	-1,832851625	ENST00000484380	5826	N/A	ABCD4
A_23_P171095	4,04064	4,91487	-1,833029495	ENST00000621775	389856	NM_001145073	USP27X
A_23_P502957	7,40392	8,27821	-1,83310573	ENST00000348616	60437	NM_021810	CDH26
A_23_P138139	10,2175	11,092	-1,833372578	ENST00000467509	115209	NM_145243	OMA1
A_22_P00008298	1,42791	2,30255	-1,833550498	ENST00000445613	N/A	N/A	N/A
A_23_P150362	1,98077	2,85552	-1,833690305	ENST00000530752	56158	NM_031275	TEX12
A_23_P26704	10,2405	11,1153	-1,833753857	ENST00000588460	79157	NM_024311	MFSD11
A_33_P3402419	4,68674	5,56178	-1,834058937	N/A	N/A	N/A	N/A
A_23_P78108	9,17011	10,0453	-1,834249637	ENST00000226253	230	NM_005165	ALDOC
A_21_P0004955	2,41388	3,28907	-1,834249637	N/A	N/A	N/A	Inc-PPP1R14C-1
A_21_P0002222	2,33319	3,2084	-1,834275066	N/A	N/A	N/A	Inc-VRK2-1
A_21_P0006427	1,47412	2,34948	-1,834465789	ENST00000413763	N/A	N/A	N/A
A_24_P134850	6,0549	6,9303	-1,834516652	ENST00000559168	57475	NM_020715	PLEKHH1
A_22_P00012387	1,46627	2,34176	-1,834631099	ENST00000439186	N/A	BU567425	N/A
A_24_P331655	9,73747	10,613	-1,834681966	ENST00000290881	653319	NM_001040715	KIAA0895L
A_21_P0010184	4,26169	5,13729	-1,834770988	ENST00000416182	N/A	N/A	N/A
A_21_P0003038	1,5963	2,47192	-1,834796423	N/A	N/A	N/A	Inc-CHST2-5
A_33_P3293573	6,29927	7,17489	-1,834796423	ENST00000324941	155382	NM_001077621	VPS37D
A_33_P3360611	4,51191	5,38764	-1,834936325	ENST00000269095	4355	NM_001278381	MPP2
A_22_P00001925	1,57113	2,44686	-1,834936325	N/A	N/A	N/A	Inc-BAI3-4
A_33_P3385762	1,46323	2,33897	-1,834949043	ENST00000311352	120787	NM_001005178	OR52W1
A_21_P0010483	2,99451	3,87028	-1,834987201	N/A	N/A	N/A	Inc-C22orf26-2
A_33_P3383054	2,67057	3,54639	-1,835050797	ENST00000411509	N/A	N/A	N/A
A_22_P00010139	1,71571	2,59157	-1,835101677	ENST00000262354	266917	NR_040254	D21S2088E
A_23_P149529	15,8134	16,6893	-1,835152557	ENST00000371225	4070	NM_002353	TACSTD2
A_32_P468743	3,52469	4,40064	-1,83521616	ENST00000332145	161753	NM_175881	ODF3L1
A_21_P0003770	2,00733	2,88355	-1,835559652	N/A	N/A	N/A	Inc-MFSD8-2
A_23_P208389	11,2023	12,0786	-1,83566144	ENST00000301178	558	NM_021913	AXL



A_22_P00018369	1,59207	2,4684	-1,835699612	N/A	N/A	N/A	Inc-CCDC140-4
A_23_P381102	4,04746	4,92394	-1,835890483	ENST00000392984	91409	NM_207310	CCDC74B
A_21_P0003868	2,19174	3,06844	-1,836170464	ENST00000605834	N/A	XR_425818	N/A
A_24_P345377	10,1908	11,0677	-1,836425029	ENST00000271732	55204	NM_018178	GOLPH3L
A_23_P69468	14,71	15,587	-1,836552325	ENST00000496588	4710	NM_004547	NDUFB4
A_33_P3383524	8,85736	9,73448	-1,836705091	ENST00000503874	91948	NR_024172	LINC00923
A_33_P3256914	3,53818	4,41537	-1,836794211	N/A	83986	NR_104317	ITFG3
A_23_P311875	7,40957	8,28684	-1,836896067	ENST00000344931	923	NM_006725	CD6
A_32_P212471	3,15517	4,03248	-1,836946997	ENST00000479191	284485	NM_001144956	RIIAD1
A_33_P3239242	2,58948	3,46682	-1,836985196	ENST00000396199	54558	NM_019073	SPATA6
A_23_P207280	9,10415	9,98177	-1,837341755	ENST00000083182	10513	NM_006380	APPBP2
A_22_P00005978	7,28157	8,15956	-1,837813028	ENST00000563225	N/A	CR749847	N/A
A_22_P00020270	1,68992	2,56822	-1,838207972	N/A	N/A	N/A	Inc-MBLAC1-1
A_23_P56680	15,6596	16,5382	-1,838590256	ENST00000497075	518	NM_001002258	ATP5G3
A_22_P00014622	8,03453	8,91335	-1,838870649	ENST00000573222	N/A	N/A	N/A
A_22_P00010593	2,5046	3,38368	-1,839202076	ENST00000561906	N/A	N/A	N/A
A_22_P00020536	4,32128	5,2009	-1,839890618	ENST00000456090	N/A	N/A	N/A
A_33_P3401673	4,79113	5,6708	-1,839954385	ENST00000579536	28964	NM_014030	GIT1
A_33_P3273819	1,77549	2,65517	-1,839967138	N/A	401398	NR_125719	POT1-AS1
A_24_P822692	3,61963	4,49931	-1,839967138	ENST00000571838	643669	NM_001243212	CCER2
A_24_P40594	9,81108	10,691	-1,840273252	ENST00000357460	57594	NM_020834	HOMEZ
A_23_P85598	7,0734	7,9536	-1,840630449	ENST00000478406	56997	NM_020247	ADCK3
A_33_P3382423	7,37736	8,25777	-1,840898392	ENST00000300811	126299	NM_182498	ZNF428
A_21_P0002118	1,43727	2,3178	-1,84105152	ENST00000442706	N/A	N/A	N/A
A_33_P3342175	1,53228	2,41281	-1,84105152	N/A	N/A	AK126607	N/A
A_23_P30200	4,57111	5,45166	-1,841077043	ENST00000609684	57717	NM_020957	PCDHB16
A_21_P0011635	1,39161	2,27235	-1,841319525	ENST00000414432	N/A	N/A	N/A
A_24_P148094	10,2237	11,1048	-1,841779052	ENST00000488747	54741	NM_017526	LEPROT
A_33_P3232273	3,25568	4,13683	-1,841842885	N/A	N/A	N/A	N/A
A_33_P3364637	3,68176	4,56309	-1,842072699	N/A	100132272	AK124207	LOC100132272
A_24_P148796	9,68703	10,5685	-1,842251464	ENST00000493836	4485	NM_020998	MST1
A_23_P416178	2,5432	3,42468	-1,842264233	ENST00000471729	64753	NM_022742	CCDC136
A_23_P48358	10,7065	11,5881	-1,842417475	ENST00000376286	5095	NM_000282	PCCA

A_33_P3411427	8,19456	9,07626	-1,842545186	ENST00000597582	116412	NM_138466	ZNF837
A_22_P00024177	6,55611	7,43792	-1,842685678	ENST00000416593	N/A	N/A	N/A
A_23_P207445	5,40818	6,29	-1,842698451	ENST00000592348	5608	NM_002758	MAP2K6
A_21_P0005873	6,89741	7,77928	-1,842762315	N/A	N/A	N/A	Inc-KIAA1429-1
A_23_P81048	7,35168	8,23384	-1,843132771	ENST00000467087	57620	NM_020860	STIM2
A_22_P00015937	1,62908	2,51126	-1,843158322	ENST00000427017	N/A	N/A	N/A
A_33_P3286552	1,6186	2,50097	-1,843401079	ENST00000372964	27035	NM_013955	NOX1
A_22_P00009936	10,7943	11,6767	-1,843439411	N/A	10866	NR_040662	HCP5
A_23_P54469	3,50361	4,38632	-1,843835564	ENST00000558656	64843	NM_145805	ISL2
A_23_P424597	9,17894	10,062	-1,844282936	ENST00000436106	148223	NM_152482	C19orf25
A_22_P00007592	1,51608	2,39914	-1,844282936	N/A	N/A	N/A	Inc-HDDC2-5
A_32_P86739	5,86784	6,75099	-1,844397992	ENST00000377113	399726	NM_001010911	CASC10
A_22_P00019692	6,67498	7,55857	-1,844960591	N/A	N/A	BX649153	Inc-HIST4H4-1
A_32_P122940	6,80568	7,68931	-1,845011745	ENST00000433465	642852	NR_026943	LOC642852
A_32_P167076	3,52325	4,4071	-1,845293116	ENST00000444918	440854	NM_001145122	CAPN14
A_23_P210358	10,2143	11,0983	-1,845484985	ENST00000332345	3987	NM_004987	LIMS1
A_21_P0011551	9,13602	10,0201	-1,845587324	N/A	N/A	N/A	XLOC_I2_005874
A_21_P0010858	2,83119	3,71554	-1,845932757	N/A	N/A	N/A	XLOC_I2_001875
A_23_P331770	3,6791	4,56351	-1,846009529	ENST00000373006	25862	NM_018561	USP49
A_23_P6836	6,49552	7,38005	-1,846163082	ENST00000491686	51447	NM_016291	IP6K2
A_21_P0012515	1,57575	2,46045	-1,846380637	ENST00000608042	100996490	NR_104146	LINC01206
A_33_P3702104	2,83251	3,71723	-1,846406234	N/A	414927	NR_073400	MGC34796
A_21_P0002368	1,60549	2,49021	-1,846406234	N/A	N/A	N/A	Inc-WDR69-2
A_22_P00012831	6,77508	7,65994	-1,846585419	N/A	N/A	N/A	Inc-RASA1-3
A_33_P3856949	8,07654	8,96155	-1,846777422	N/A	284513	AK096098	LOC284513
A_33_P3288275	1,52393	2,40905	-1,846918237	N/A	N/A	N/A	N/A
A_23_P427703	14,5926	15,4778	-1,847020655	ENST00000565768	4500	NR_001447	MT1L
A_23_P167194	9,1309	10,0163	-1,847276724	ENST00000506882	1060	NM_001812	CENPC
A_23_P33583	2,41681	3,3023	-1,847391967	ENST00000312428	56171	NM_018897	DNAH7
A_33_P3356356	2,1063	2,99194	-1,847584054	ENST00000504245	100131089	NR_040059	SRP14-AS1
A_23_P34433	7,84493	8,73095	-1,848070764	ENST00000466440	23318	NM_001009881	ZCCHC11
A_22_P00014186	2,28762	3,17365	-1,848083574	ENST00000580776	N/A	N/A	N/A
A_33_P3289025	5,49767	6,38382	-1,8482373	ENST00000410071	84141	NM_001135032	EVA1A

A_23_P300484	8,15113	9,03732	-1,848288545	ENST00000373873	23363	NM_001173408	OBSL1
A_23_P85682	10,0214	10,9076	-1,848301356	ENST00000371187	4774	NM_005595	NFIA
A_24_P105191	3,85416	4,74069	-1,848724182	ENST00000370836	90161	NM_001077188	HS6ST2
A_23_P369641	9,66245	10,5491	-1,848877961	ENST00000533120	642475	NM_001100878	MROH6
A_21_P0007354	5,54661	6,43349	-1,84917274	ENST00000501817	101927204	NR_110184	LOC101927204
A_21_P0012600	1,98423	2,87126	-1,849365012	N/A	N/A	N/A	XLOC_I2_010751
A_33_P3236993	5,90301	6,79005	-1,849377831	ENST00000406259	421	NM_001670	ARVCF
A_33_P3316555	12,9576	13,8448	-1,849582945	ENST00000495447	4259	NM_004528	MGST3
A_33_P3280759	1,44542	2,33262	-1,849582945	ENST00000380931	400867	NR_120405	LOC400867
A_23_P38154	13,8908	14,7781	-1,849711153	ENST00000577509	2232	NM_004110	FDXR
A_21_P0000065	6,0294	6,91671	-1,849723974	ENST00000512374	6507	NM_001166696	SLC1A3
A_21_P0013969	2,4972	3,38456	-1,849788082	N/A	100130156	AK097528	LOC100130156
A_33_P3271395	5,71954	6,60708	-1,850018888	ENST00000602865	100129534	NR_024489	LOC100129534
A_33_P3239879	14,4728	15,3604	-1,850095829	ENST00000333775	84316	NM_032356	NAA38
A_23_P67127	5,85265	6,74028	-1,850134302	ENST00000301204	284339	NM_173633	TMEM145
A_22_P00002731	1,37224	2,25988	-1,850147126	N/A	100130264	NR_024564	LOC100130264
A_33_P3335682	10,6346	11,5223	-1,850224073	ENST00000301242	94274	NM_033256	PPP1R14A
A_33_P3714477	2,60878	3,49648	-1,850224073	ENST00000477392	285972	NR_034033	LINC00996
A_22_P00000423	1,50378	2,39232	-1,851301668	ENST00000451982	N/A	XR_427455	N/A
A_23_P167818	2,94376	3,83253	-1,851596833	ENST00000617072	79632	NM_024581	FAM184A
A_33_P3246133	3,011	3,89998	-1,851866373	ENST00000373467	3208	NM_002143	HPCA
A_22_P00001217	4,11393	5,00291	-1,851866373	N/A	N/A	BU187512	Inc-ANKRD11-1
A_22_P00011820	1,48557	2,37456	-1,851879209	N/A	N/A	N/A	Inc-PHF14-2
A_22_P00002596	1,38692	2,27616	-1,852200143	ENST00000419809	N/A	N/A	N/A
A_33_P3334738	1,60037	2,48971	-1,852328532	ENST00000564693	N/A	N/A	N/A
A_23_P209347	4,19155	5,08128	-1,852829335	ENST00000473081	91526	NM_153697	ANKRD44
A_32_P30831	8,88804	9,77781	-1,852880707	N/A	100505648	N/A	RAD51-AS1
A_33_P3360087	2,97553	3,86543	-1,853047676	ENST00000433714	27241	NM_014451	BBS9
A_23_P65357	9,69039	10,5806	-1,853445893	ENST00000256366	55333	NM_018373	SYNJ2BP
A_33_P3288159	8,8653	9,75588	-1,853921297	ENST00000294732	259266	NM_018136	ASPM
A_21_P0014376	1,60427	2,49497	-1,854075509	N/A	101930634	XR_248595	LOC101930634
A_33_P3231908	2,13365	3,0245	-1,854268291	ENST00000361360	5455	NM_006236	POU3F3
A_21_P0013523	10,8518	11,7429	-1,854589639	N/A	100506365	N/A	OTUD6B-AS1

A_23_P167030	2,12459	3,01574	-1,854653915	ENST00000427125	5745	NM_000316	PTH1R
A_22_P00010963	4,31285	5,20432	-1,855065336	N/A	100505636	NR_102739	LINC01024
A_21_P0012430	5,04951	5,94132	-1,855502571	ENST00000608482	101930159	XR_251533	LOC101930159
A_21_P0014256	10,062	10,9539	-1,855618327	ENST00000456004	282974	XR_424192	STK32C
A_24_P283324	1,97339	2,86562	-1,856042827	ENST00000349305	64577	NM_022568	ALDH8A1
A_23_P209032	8,76218	9,65449	-1,856145751	ENST00000509196	55900	NM_018443	ZNF302
A_23_P69109	11,0721	11,9647	-1,856518897	ENST00000493432	5359	NM_021105	PLSCR1
A_22_P00005011	1,61638	2,50902	-1,856570371	N/A	100506343	NR_038951	FAM212B-AS1
A_33_P3384900	6,42961	7,32238	-1,856737673	ENST00000473818	645339	NR_033826	SNRPD2P2
A_23_P30813	11,0845	11,9773	-1,856776283	N/A	8362	NM_003541	HIST1H4K
A_23_P31765	6,28863	7,1815	-1,856866376	ENST00000352966	5569	NM_006823	PKIA
A_23_P321307	1,37168	2,26461	-1,856943603	ENST00000274609	9509	NM_021599	ADAMTS2
A_32_P155631	12,2623	13,1554	-1,857162429	ENST00000375549	6392	NM_003002	SDHD
A_22_P00012292	1,67349	2,56678	-1,857407029	ENST00000413292	5526	N/A	PPP2R5B
A_22_P00024860	1,91001	2,80342	-1,857561531	ENST00000453367	N/A	N/A	N/A
A_22_P00007198	1,53366	2,42736	-1,857934962	N/A	N/A	N/A	Inc-GPBP1-1
A_33_P3306762	1,40095	2,29467	-1,857960718	N/A	N/A	N/A	N/A
A_23_P96899	1,9427	2,83654	-1,858115265	ENST00000290722	114771	NM_052891	PGLYRP3
A_33_P3280192	5,70153	6,59547	-1,858244065	ENST00000588700	84079	NM_032139	ANKRD27
A_21_P0011519	2,41966	3,31366	-1,858321349	N/A	N/A	N/A	XLOC_I2_005691
A_21_P0002074	1,40979	2,30383	-1,858372873	ENST00000419865	101927070	N/A	LOC101927070
A_33_P3252800	5,50359	6,39765	-1,858398636	ENST00000549107	5801	NM_002849	PTPRR
A_21_P0003603	3,03659	3,93068	-1,85843728	N/A	N/A	N/A	Inc-KLF3-2
A_19_P00806158	10,1445	11,0386	-1,858450162	N/A	N/A	N/A	N/A
A_33_P3272437	1,86446	2,75857	-1,858463044	N/A	N/A	N/A	Inc-RBMY1J-1
A_33_P3639068	2,5233	3,41747	-1,858540337	ENST00000355422	2674	NM_005264	GFRA1
A_22_P00015230	2,33429	3,22864	-1,858772235	ENST00000580282	N/A	AK091119	N/A
A_33_P3411848	7,6522	8,54658	-1,858810887	ENST00000597255	84518	NM_032488	CNFN
A_23_P200551	10,3304	11,2248	-1,858836656	ENST00000479177	84196	NM_032236	USP48
A_21_P0009608	3,24257	4,13722	-1,859158796	N/A	N/A	N/A	Inc-WDR7-4
A_33_P3327300	2,56114	3,45585	-1,859236118	ENST00000598759	9253	AK096566	NUMBL
A_24_P203106	2,22243	3,1172	-1,859313443	ENST00000614686	5207	NM_002625	PFKFB1
A_21_P0009163	1,91129	2,80616	-1,859442325	ENST00000456235	101060544	NR_110895	LINC01563

A_23_P101950	14,1031	14,998	-1,859480991	ENST00000539945	4190	NM_005917	MDH1
A_33_P3372124	11,3819	12,277	-1,859738788	ENST00000257604	10906	NM_001143906	TRAFD1
A_19_P00320906	2,45201	3,34712	-1,859751679	N/A	283033	N/A	LINC00841
A_33_P3292043	2,1241	3,01929	-1,859854808	ENST00000294818	440699	NM_001005214	LRRC52
A_33_P3369153	4,7947	5,69056	-1,860718741	N/A	3797	NM_002254	KIF3C
A_23_P36305	9,86339	10,7593	-1,86078323	ENST00000536995	89849	NM_033388	ATG16L2
A_33_P3241844	1,63245	2,52837	-1,860796128	N/A	90233	AK126625	ZNF551
A_21_P0000089	6,81293	7,70893	-1,860899315	ENST00000515312	57732	NM_001172660	ZFYVE28
A_21_P0001621	1,75631	2,65243	-1,861054107	N/A	N/A	N/A	Inc-C1orf227-1
A_21_P0007522	2,20732	3,10367	-1,861350827	N/A	N/A	N/A	Inc-CLEC2D-7
A_33_P3315564	1,64338	2,5398	-1,861441143	ENST00000329106	442038	NM_001008743	SULT1C3
A_22_P00007816	1,41135	2,30779	-1,861466948	ENST00000562848	N/A	BC041835	N/A
A_21_P0000617	3,66732	4,5638	-1,861518559	N/A	644714	NR_033947	LIMD1-AS1
A_22_P00001058	5,01972	5,91644	-1,861828259	ENST00000420153	N/A	S55276	N/A
A_33_P3221888	1,68031	2,57717	-1,86200894	N/A	N/A	N/A	N/A
A_23_P250102	3,96491	4,86186	-1,862125102	ENST00000295989	23066	NM_012298	CAND2
A_23_P413862	1,41724	2,31425	-1,862202547	ENST00000303697	100506627	NM_020869	DCDC5
A_33_P3269069	6,74497	7,64211	-1,862370356	ENST00000370551	9653	NM_001134492	HS2ST1
A_22_P00008397	2,1999	3,09709	-1,862434902	N/A	N/A	BC036921	Inc-JOSD1-1
A_22_P00009614	1,92255	2,81985	-1,862576911	ENST00000509185	102723557	XR_425884	LOC102723557
A_23_P105963	3,88935	4,7869	-1,862899699	ENST00000267584	122481	NM_152327	AK7
A_33_P3296682	12,3516	13,2493	-1,863093399	ENST00000359944	4711	NM_002492	NDUFB5
A_23_P328069	7,13069	8,02843	-1,863145056	ENST00000613394	3257	NM_000195	HPS1
A_33_P3422404	5,57651	6,47429	-1,863196714	ENST00000376726	84532	NM_001252677	ACSS1
A_23_P50250	5,02484	5,92273	-1,863338781	ENST00000221476	1158	NM_001824	CKM
A_33_P3413597	13,0365	13,9346	-1,86361003	ENST00000433898	4709	NM_001257102	NDUFB3
A_21_P0000474	2,7686	3,6669	-1,863868399	N/A	100124536	NR_003706	SNORA38B
A_23_P55948	9,86377	10,7621	-1,863907157	ENST00000615927	57479	NM_020719	PRR12
A_23_P87769	9,23452	10,1329	-1,863971757	ENST00000327680	55010	NM_017915	PARPBP
A_23_P23037	2,57321	3,4717	-1,864113883	ENST00000369235	2703	NM_005267	GJA8
A_21_P0008877	4,55007	5,44859	-1,864152646	ENST00000573042	100507501	NR_039999	LINC01569
A_21_P0004025	4,76736	5,66615	-1,864501555	N/A	N/A	N/A	Inc-RASA1-3
A_23_P153529	9,85269	10,7515	-1,864527402	ENST00000427978	54795	NM_017636	TRPM4

A_21_P0005062	1,97762	2,87647	-1,864579099	N/A	N/A	N/A	Inc-TXLNB-2
A_23_P416305	4,1962	5,09519	-1,864760047	ENST00000314138	6157	NM_000990	RPL27A
A_32_P6172	8,36075	9,2599	-1,864966867	ENST00000564834	100128822	NR_027387	LINC01003
A_22_P00009053	4,61454	5,51388	-1,865212496	N/A	101928236	XR_241604	LOC101928236
A_21_P0000494	8,85432	9,75381	-1,865406436	N/A	692157	NR_004389	SNORA16B
A_33_P3377130	7,99238	8,89192	-1,865471087	ENST00000359015	4217	NM_005923	MAP3K5
A_33_P3349840	10,7801	11,6798	-1,865677986	ENST00000437531	N/A	N/A	N/A
A_21_P0004719	3,88806	4,78818	-1,866221205	ENST00000443445	N/A	N/A	N/A
A_23_P69941	3,53653	4,43666	-1,86623414	N/A	54508	NR_027706	EPB41L4A-AS2
A_23_P27822	7,42344	8,32364	-1,866324693	ENST00000170564	55094	NM_018025	GPATCH1
A_24_P151692	4,70638	5,60666	-1,866428187	ENST00000373145	79983	NM_024921	POF1B
A_22_P00004428	2,49961	3,40008	-1,866674008	ENST00000568032	N/A	BU539700	N/A
A_22_P00002617	3,8591	4,75963	-1,866751642	N/A	N/A	AK093261	Inc-C1orf122-1
A_23_P37983	14,2085	15,1092	-1,866971624	ENST00000334346	4490	NM_005947	MT1B
A_33_P3291579	12,2312	13,1321	-1,867230459	ENST00000420770	5081	NM_001135254	PAX7
A_23_P111000	11,6985	12,5996	-1,86748933	ENST00000413480	5698	NM_002800	PSMB9
A_24_P161018	10,7251	11,6263	-1,867618779	ENST00000475640	54625	NM_017554	PARP14
A_33_P3230926	1,42903	2,33025	-1,86764467	N/A	100130429	AK127488	LOC100130429
A_33_P3408757	7,8382	8,73954	-1,867800022	N/A	100132074	NM_001291281	FOXO6
A_23_P99063	2,22919	3,13079	-1,868136664	ENST00000548071	4060	NM_002345	LUM
A_33_P3227788	7,96062	8,86226	-1,868188461	ENST00000342512	53354	NM_148977	PANK1
A_23_P67785	9,01158	9,91324	-1,86821436	ENST00000414961	79582	NM_001025436	SPAG16
A_32_P147078	4,09329	4,99496	-1,868227309	ENST00000406785	6546	NM_021097	SLC8A1
A_23_P93282	6,81993	7,72174	-1,868408612	ENST00000359303	8356	NM_003535	HIST1H3J
A_22_P00007562	3,6556	4,55741	-1,868408612	N/A	N/A	DA331166	Inc-HBEGF-1
A_33_P3358789	3,05954	3,96152	-1,868628789	N/A	N/A	N/A	N/A
A_22_P00007136	2,2943	3,19632	-1,868680599	N/A	100286938	NR_026668	VPS13A-AS1
A_24_P229726	3,31741	4,21966	-1,868978535	N/A	N/A	N/A	N/A
A_21_P0000856	1,33831	2,24067	-1,869121043	N/A	100288432	NR_038974	IL10RB-AS1
A_22_P00014187	1,81835	2,72075	-1,869172867	ENST00000580370	N/A	N/A	N/A
A_23_P200489	7,01156	7,91396	-1,869172867	ENST00000366835	9725	NM_014698	TMEM63A
A_21_P0011427	5,7913	6,69379	-1,869289475	N/A	124411	XM_005255122	ZNF720
A_24_P159837	9,6102	10,5127	-1,869302432	ENST00000502743	55900	NM_018675	ZNF302

A_33_P3382137	1,71115	2,61375	-1,869432007	N/A	N/A	N/A	N/A
A_32_P313405	1,97779	2,88053	-1,869613427	ENST00000579014	284217	NM_005559	LAMA1
A_33_P3350493	4,68735	5,59025	-1,869820785	ENST00000481904	389383	NM_001286550	CLPSL2
A_33_P3295538	1,72916	2,63209	-1,869859667	ENST00000480687	386724	NM_198722	AMIGO3
A_22_P00003937	4,3634	5,26635	-1,869885589	ENST00000569945	145781	BX641062	GCOM1
A_33_P3307990	1,46657	2,36985	-1,870313353	ENST00000400897	10747	NM_006610	MASP2
A_22_P00012869	2,78556	3,68888	-1,87036521	ENST00000562504	N/A	AF088044	N/A
A_33_P3298043	6,53751	7,44089	-1,870442998	ENST00000542005	368	NM_001079528	ABCC6
A_23_P164797	11,0113	11,9148	-1,870598583	ENST00000543039	51157	NM_016202	ZNF580
A_33_P3390823	1,55079	2,45462	-1,87102651	N/A	N/A	N/A	N/A
A_23_P94204	9,73711	10,6411	-1,871234025	ENST00000531443	55074	NM_181354	OXR1
A_32_P211248	1,95789	2,86194	-1,871311849	ENST00000331096	100131138	NR_036513	LINC01405
A_21_P0012110	5,57616	6,48025	-1,871363734	N/A	101929395	N/A	LOC101929395
A_23_P414273	8,56361	9,46787	-1,871584259	ENST00000526627	85027	NM_032947	SMIM3
A_24_P345451	8,2743	9,17864	-1,871688044	ENST00000375252	79901	NM_024843	CYBRD1
A_33_P3357049	6,99697	7,90165	-1,872129197	N/A	728963	NR_026768	RPS15AP10
A_23_P314672	2,07241	2,97719	-1,872258968	N/A	143501	NM_144663	C11orf40
A_24_P46911	1,46285	2,36781	-1,872492578	ENST00000521839	3788	NM_020697	KCNS2
A_23_P95453	1,74582	2,65093	-1,872687275	ENST00000406316	9378	NM_004801	NRXN1
A_23_P78053	8,1662	9,07131	-1,872687275	ENST00000240364	81558	NM_030802	FAM117A
A_23_P329924	7,46046	8,36559	-1,872713236	ENST00000328880	338442	NM_177551	HCAR2
A_33_P6461662	11,5493	12,4545	-1,872804103	ENST00000622309	55823	NM_001290185	VPS11
A_33_P3224495	1,82285	2,72835	-1,873193582	N/A	100507381	NR_120503	KCNQ5-IT1
A_33_P3275687	5,13016	6,0357	-1,873245518	ENST00000617226	102723859	NM_001291466	LOC102723859
A_22_P00003894	1,42458	2,3304	-1,873609116	N/A	N/A	N/A	Inc-CEP170-5
A_22_P00001334	2,82663	3,73246	-1,873622102	N/A	N/A	N/A	Inc-ANXA9-1
A_33_P3267375	2,16088	3,06689	-1,873855882	ENST00000435422	6444	NM_000337	SGCD
A_24_P392632	1,6274	2,53348	-1,873946805	ENST00000437699	80036	NM_206948	TRPM3
A_21_P0009704	1,41023	2,31639	-1,874050721	N/A	N/A	N/A	Inc-VSTM2B-2
A_23_P56833	9,77412	10,6803	-1,874076701	ENST00000470707	51130	NM_016115	ASB3
A_23_P122052	10,4786	11,385	-1,874362505	ENST00000503787	493869	NM_001008397	GPX8
A_33_P3240747	9,79526	10,7017	-1,874414474	ENST00000333407	100130899	NR_039988	LOC100130899
A_22_P00007400	2,39434	3,30096	-1,874648353	ENST00000535721	N/A	N/A	N/A

A_21_P0014020	1,62586	2,53249	-1,874661347	N/A	N/A	AK128808	Inc-GGT5-1
A_23_P136355	7,81468	8,72136	-1,874726319	ENST00000367010	55733	NM_018194	HHAT
A_23_P256084	2,84657	3,75334	-1,874843274	ENST00000381134	415	NM_000047	ARSE
A_22_P00016648	1,59674	2,50353	-1,874869265	ENST00000532748	N/A	N/A	N/A
A_23_P35349	7,75178	8,65861	-1,874921249	ENST00000355867	6840	NM_021738	SVIL
A_19_P00315868	4,63511	5,54209	-1,875116198	ENST00000483169	N/A	N/A	N/A
A_33_P3339624	1,48731	2,39434	-1,875181186	ENST00000373861	340204	NM_001010886	CLPSL1
A_22_P00005070	1,35127	2,25868	-1,875675166	N/A	N/A	N/A	Inc-DEPTOR-1
A_21_P0014267	1,60354	2,51105	-1,875805182	ENST00000415865	N/A	XR_109052	N/A
A_33_P3276369	6,50193	7,40957	-1,875974217	ENST00000471365	51478	NM_016371	HSD17B7
A_22_P00020125	1,96699	2,87472	-1,87609125	N/A	N/A	N/A	Inc-FDXACB1-1
A_22_P00001915	1,39069	2,29885	-1,876650509	N/A	N/A	N/A	Inc-BAG4-1
A_24_P274795	11,755	12,6634	-1,876962725	ENST00000406877	55536	NM_018719	CDCA7L
A_33_P3483909	1,74125	2,64973	-1,877066809	ENST00000355500	29099	AK127155	COMMD9
A_21_P0008277	1,60684	2,51534	-1,877092831	ENST00000500016	101928075	NR_110071	LOC101928075
A_21_P0005704	3,2667	4,17535	-1,877288006	N/A	N/A	N/A	Inc-CLVS1-1
A_23_P124438	3,6254	4,53425	-1,877548272	ENST00000609714	255403	NM_001039127	ZNF718
A_22_P00019624	2,79714	3,70615	-1,87775651	N/A	N/A	BX378805	Inc-MFSD7-1
A_19_P00801823	4,47009	5,3791	-1,87775651	N/A	N/A	N/A	XLOC_I2_014645
A_21_P0010506	2,12395	3,033	-1,877808573	ENST00000482602	8764	N/A	TNFRSF14
A_24_P306964	10,5652	11,4745	-1,878134001	ENST00000442125	N/A	N/A	N/A
A_33_P3372074	13,0559	13,9653	-1,878264188	ENST00000578638	3993	NM_001031803	LLGL2
A_33_P3394243	4,68882	5,59829	-1,878355324	ENST00000473875	257044	NM_173807	C1orf101
A_21_P0004186	1,63415	2,54373	-1,878498547	ENST00000511419	101927134	N/A	LINC01470
A_21_P0007473	1,69625	2,60589	-1,878576673	N/A	N/A	N/A	Inc-ADAMTS8-1
A_33_P3395237	7,82773	8,73758	-1,87885014	ENST00000513279	N/A	N/A	N/A
A_23_P310350	10,1132	11,0231	-1,878915257	ENST00000225519	23729	NM_013276	SHPK
A_21_P0005129	2,66076	3,57087	-1,879188774	N/A	N/A	N/A	Inc-GJA1-3
A_23_P330788	8,56686	9,47713	-1,879397194	ENST00000396435	23096	NM_015075	IQSEC2
A_23_P7144	10,1171	11,0275	-1,879566553	ENST00000395761	2919	NM_001511	CXCL1
A_23_P79803	7,70325	8,61368	-1,879605638	ENST00000373461	128434	NM_080607	VSTM2L
A_23_P13294	3,52759	4,43812	-1,879735926	ENST00000302592	219958	NM_001004459	OR1S2
A_22_P00009611	2,11525	3,02582	-1,879788045	ENST00000581596	N/A	AK309769	N/A



A_23_P120435	8,45343	9,36408	-1,879892285	ENST00000467679	140686	NM_080614	WFDC3
A_24_P125283	9,7203	10,6312	-1,880218074	ENST00000225983	10014	NM_001015053	HDAC5
A_22_P00013672	1,51784	2,4288	-1,880296271	N/A	N/A	N/A	Inc-RP11-687M24.8.1-1
A_23_P363826	6,62039	7,5314	-1,880361439	ENST00000448981	26273	NM_033406	FBXO3
A_33_P3423171	3,78825	4,69927	-1,880374472	ENST00000488572	11180	NM_018031	WDR6
A_21_P0003801	1,42071	2,33201	-1,880739453	N/A	N/A	N/A	Inc-VEGFC-1
A_33_P3337500	2,00284	2,91454	-1,881260977	ENST00000390450	N/A	AB305710	N/A
A_19_P00811843	6,65305	7,56519	-1,881834821	ENST00000533509	9743	NM_001142685	ARHGAP32
A_23_P56127	8,44532	9,35748	-1,881860909	ENST00000601170	56006	NM_019108	SMG9
A_33_P3258046	1,96866	2,88083	-1,881873953	ENST00000334568	255061	NM_170685	TAC4
A_23_P3302	7,48158	8,39393	-1,882108762	ENST00000260453	55329	NM_018365	MNS1
A_32_P149536	12,0859	12,9983	-1,882173992	ENST00000326669	6613	NM_006937	SUMO2
A_33_P3264364	4,10639	5,019	-1,882447983	ENST00000523513	26052	NM_001278252	DNM3
A_24_P247978	4,68804	5,60083	-1,882682864	ENST00000354698	51385	NM_016089	ZNF589
A_23_P121250	14,4695	15,3824	-1,882826417	ENST00000496382	1974	NM_001967	EIF4A2
A_32_P56001	1,42923	2,34215	-1,882852519	ENST00000246006	22918	NM_012072	CD93
A_22_P00025786	5,30535	6,21835	-1,882956929	ENST00000594818	100505761	NR_038938	RPARP-AS1
A_32_P189592	3,03985	3,9529	-1,883022189	ENST00000252597	83878	NM_031941	USHBP1
A_21_P0001443	1,61612	2,5292	-1,883061345	N/A	N/A	N/A	Inc-RYR2-2
A_33_P3388983	5,67302	6,58623	-1,883231034	ENST00000378947	441108	AK025221	C5orf56
A_21_P0010024	1,56039	2,47361	-1,883244088	N/A	N/A	N/A	Inc-GGTLC1-1
A_23_P151280	14,433	15,3465	-1,883609625	ENST00000550487	84987	NM_032901	COX14
A_22_P00000941	2,00206	2,91556	-1,883609625	ENST00000420082	N/A	N/A	N/A
A_21_P0014599	2,5048	3,41838	-1,883714078	N/A	100506007	NR_110434	RTCA-AS1
A_24_P104407	6,36313	7,27759	-1,884863436	ENST00000594047	23336	NM_145728	SYNM
A_22_P00012609	2,6441	3,55858	-1,884889566	ENST00000541243	100873980	NR_046559	RRG-AS1
A_33_P3252588	7,2405	8,15542	-1,885464517	ENST00000480897	100130093	NR_024485	LOC100130093
A_24_P249253	2,07198	2,98696	-1,885542932	ENST00000458573	442721	NM_207163	LMOD2
A_22_P00020575	2,40338	3,31843	-1,885634422	N/A	N/A	N/A	Inc-AC040934.1-1
A_23_P52017	11,2945	12,2096	-1,885699774	ENST00000367408	259266	NM_018136	ASPM
A_23_P304716	8,32966	9,24482	-1,8857782	ENST00000377834	54626	NM_019089	HES2
A_22_P00015853	2,10977	3,02554	-1,886575713	ENST00000451289	101928684	NR_110819	LINC01209
A_22_P00014778	2,41104	3,32703	-1,886863423	N/A	N/A	HY038578	Inc-SLC38A8-1

A_33_P3218625	10,4332	11,3493	-1,887007295	ENST00000540581	11094	NM_001242369	CACFD1
A_22_P00004542	6,23482	7,15093	-1,887020374	N/A	100505601	N/A	PARD3-AS1
A_23_P94338	1,37785	2,29398	-1,887046534	ENST00000522826	5168	NM_006209	ENPP2
A_23_P164436	2,08992	3,00613	-1,887151177	ENST00000263080	443	NM_000049	ASPA
A_24_P110141	3,04456	3,96087	-1,887281989	ENST00000559110	196968	NR_003260	DNM1P46
A_23_P57588	8,48119	9,39756	-1,887360481	ENST00000491863	51512	NM_016426	GTSE1
A_24_P390060	4,65796	5,57471	-1,887857669	ENST00000416617	115811	NM_138451	IQCD
A_33_P3369311	11,4075	12,3244	-1,888053964	ENST00000406780	56987	NM_001142568	BBX
A_33_P3321442	4,29735	5,21445	-1,888315722	ENST00000376267	N/A	N/A	N/A
A_19_P00808208	8,76178	9,67893	-1,888381167	ENST00000373934	55536	NM_001127370	CDCA7L
A_23_P118435	13,567	14,4842	-1,888446614	ENST00000508743	6613	NM_006937	SUMO2
A_23_P82249	5,75875	6,67595	-1,888446614	ENST00000482309	11194	NM_007188	ABCB8
A_33_P3650491	1,52574	2,443	-1,888525154	N/A	100288428	NR_033378	LMCD1-AS1
A_33_P3214785	7,43592	8,35344	-1,888865532	N/A	54741	AK094801	LEPROT
A_22_P00004297	6,48315	7,40075	-1,888970276	N/A	10695	XR_427823	CNPY3
A_22_P00008976	1,59085	2,5085	-1,889035743	ENST00000580197	400643	NR_034100	LINC00668
A_33_P3343340	1,61982	2,53751	-1,889088119	N/A	N/A	N/A	N/A
A_19_P00322890	7,81936	8,73722	-1,889310733	ENST00000589983	N/A	N/A	N/A
A_22_P00021195	6,02911	6,94707	-1,889441695	N/A	101928504	XR_245792	LOC101928504
A_22_P00000959	5,96227	6,88033	-1,889572665	N/A	N/A	N/A	Inc-AL020996.1-1
A_22_P00009586	4,54437	5,46251	-1,889677449	N/A	N/A	XM_005276024	Inc-MAPK15-3
A_24_P349196	1,68228	2,60069	-1,890031134	ENST00000340612	728621	NM_001080850	CCDC30
A_24_P322444	12,8086	13,7271	-1,890149044	ENST00000413454	23636	NM_153719	NUP62
A_22_P00010709	1,64418	2,5627	-1,890175247	N/A	N/A	AA491841	Inc-NFX1-1
A_33_P3243128	10,8991	11,8178	-1,890411093	ENST00000288532	84274	NM_032314	COQ5
A_33_P3258056	2,72915	3,64794	-1,890529026	ENST00000340790	342979	NM_001145028	PALM3
A_24_P395814	6,66438	7,5832	-1,890568339	ENST00000301407	1082	NM_000737	CGB
A_23_P166408	2,87786	3,79712	-1,891145022	ENST00000215781	5008	NM_020530	OSM
A_23_P64828	8,98761	9,90697	-1,89127611	ENST00000549820	4938	NM_002534	OAS1
A_22_P00025507	1,43381	2,35319	-1,891302329	ENST00000444868	N/A	N/A	N/A
A_22_P00015476	6,65408	7,57362	-1,891512093	N/A	101927597	NR_110177	NCK1-AS1
A_21_P0012461	7,98132	8,9009	-1,891564538	N/A	N/A	N/A	XLOC_I2_010348
A_21_P0000075	10,8203	11,74	-1,89172188	ENST00000538735	100316904	NM_001168682	SAP25

A_32_P109683	1,57545	2,49518	-1,891761218	ENST00000374971	389860	NM_001015038	PAGE2B
A_33_P3329557	4,20382	5,12384	-1,892141524	N/A	N/A	BM544378	N/A
A_33_P3288329	1,47287	2,39294	-1,892207102	ENST00000354106	10580	NM_001290294	SORBS1
A_33_P3219115	2,25654	3,17682	-1,892482553	ENST00000502948	N/A	N/A	N/A
A_33_P3376095	3,25023	4,17077	-1,892823644	ENST00000369872	284612	NM_001040709	SYPL2
A_33_P3343394	2,29077	3,21145	-1,893007333	N/A	N/A	N/A	N/A
A_33_P3232945	9,7833	10,7041	-1,893164796	ENST00000296677	2150	NM_005242	F2RL1
A_22_P00005274	1,36792	2,28874	-1,893191041	N/A	N/A	N/A	Inc-DMXL2-1
A_21_P0001016	2,51388	3,43497	-1,893545384	ENST00000456469	100873165	NR_104189	SRGAP2-AS1
A_24_P393565	4,55777	5,47902	-1,893755397	ENST00000589332	252884	XM_005258237	ZNF396
A_33_P3246593	1,46757	2,38901	-1,894004817	ENST00000413272	389643	NM_001010906	NUGGC
A_21_P0003016	2,2737	3,19535	-1,89428053	N/A	N/A	N/A	Inc-NR112-1
A_23_P357207	5,0843	6,00619	-1,89459568	ENST00000257776	112609	NM_138409	MRAP2
A_23_P34396	10,837	11,7589	-1,894608812	ENST00000568212	57035	NM_020317	RSRP1
A_23_P39814	9,16276	10,0847	-1,894661343	ENST00000342016	9541	NM_004882	CIR1
A_33_P3258462	1,52076	2,44277	-1,894753275	N/A	100192426	NR_024419	LOC100192426
A_33_P3220615	8,31062	9,23267	-1,894805809	ENST00000345080	389421	NM_001004317	LIN28B
A_22_P00012997	3,39341	4,31548	-1,894832077	N/A	101927640	NR_121193	LOC101927640
A_33_P3301346	1,71618	2,63828	-1,894871479	ENST00000491996	375316	N/A	RBM44
A_32_P99311	2,00123	2,92351	-1,89510791	ENST00000391958	353355	NM_181756	ZNF233
A_22_P00025203	1,68314	2,60543	-1,895121046	N/A	102724774	XR_425446	LOC102724774
A_23_P48771	10,432	11,3543	-1,895134182	ENST00000523461	80017	NM_024952	C14orf159
A_23_P61487	9,41017	10,3325	-1,895173591	ENST00000358141	55222	NM_018205	LRRC20
A_21_P0013020	1,55915	2,48164	-1,895383784	N/A	N/A	N/A	XLOC_I2_012432
A_23_P131435	7,30188	8,22455	-1,895620279	ENST00000505052	9936	NM_014880	CD302
A_33_P3235162	1,64071	2,5634	-1,895646558	N/A	N/A	N/A	N/A
A_21_P0000779	1,84265	2,76537	-1,895685978	N/A	100506540	NR_038360	SPTY2D1-AS1
A_22_P00007314	2,2975	3,22022	-1,895685978	N/A	101927288	NR_047502	MANEA-AS1
A_33_P3375467	3,16745	4,09053	-1,896159073	ENST00000475417	2822	NM_001503	GPLD1
A_23_P48495	4,41212	5,33533	-1,896329942	ENST00000464815	9623	NM_004918	TCL1B
A_33_P3665739	1,59118	2,51456	-1,896553409	N/A	339122	BM917410	RAB43
A_22_P00018188	1,49147	2,41508	-1,896855789	ENST00000511994	N/A	N/A	N/A
A_21_P0008291	1,59517	2,51918	-1,897381782	ENST00000508469	N/A	N/A	N/A

A_22_P00001742	4,891	5,81511	-1,897513303	ENST00000433688	65998	NM_001144936	C11orf95
A_24_P272548	13,3198	14,2442	-1,897894766	ENST00000469026	N/A	N/A	N/A
A_24_P80532	6,15945	7,08434	-1,89853948	ENST00000354403	901	NM_004354	CCNG2
A_32_P4985	1,77283	2,69777	-1,898605279	ENST00000303635	23261	NM_015215	CAMTA1
A_23_P108673	7,7121	8,63722	-1,898842177	ENST00000410113	84141	NM_032181	EVA1A
A_22_P00009007	3,49968	4,42487	-1,898934311	N/A	N/A	N/A	Inc-LARP1B-2
A_33_P3380006	1,37438	2,29967	-1,89906594	N/A	N/A	N/A	N/A
A_33_P3259708	3,02205	3,94766	-1,899487213	ENST00000250378	1215	NM_001836	CMA1
A_33_P3413815	6,14882	7,07451	-1,899592546	N/A	22973	NR_004405	LAMB2P1
A_22_P00015313	2,14643	3,07218	-1,899671549	ENST00000453837	N/A	N/A	N/A
A_23_P377214	10,0716	10,9976	-1,900000766	ENST00000592695	124790	XM_006721687	HEXIM2
A_33_P3260445	6,52056	7,44659	-1,900040276	ENST00000367088	6993	AK026669	DYNLT1
A_22_P00009085	7,36446	8,29057	-1,900145639	N/A	100507006	NR_120420	LOC100507006
A_24_P69538	4,96563	5,892	-1,900488111	ENST00000472304	7099	NM_138554	TLR4
A_33_P3681776	6,75609	7,68274	-1,900856996	N/A	255512	NR_029409	TOLLIP-AS1
A_24_P143171	3,72545	4,65211	-1,900870172	ENST00000275954	83604	NM_031442	TMEM47
A_21_P0013872	1,42158	2,34828	-1,900922876	N/A	N/A	N/A	XLOC_I2_015828
A_33_P3244181	13,4152	14,3419	-1,900922876	ENST00000567382	3281	NM_001537	HSBP1
A_24_P213715	3,52209	4,44885	-1,901001934	N/A	90834	NR_026993	LOC90834
A_21_P0010581	2,60543	3,53231	-1,901160062	N/A	N/A	N/A	XLOC_I2_000676
A_24_P104512	10,6703	11,5973	-1,901318202	ENST00000301607	2125	NM_001988	EVPL
A_21_P0003330	1,66228	2,5897	-1,901871798	ENST00000317596	728175	NR_040108	LOC728175
A_33_P3821778	2,4893	3,41675	-1,901911347	ENST00000512067	643401	BC039509	LINC01021
A_21_P0007244	1,43095	2,35844	-1,90196408	N/A	N/A	N/A	Inc-USP35-9
A_24_P6674	4,36359	5,29112	-1,902016814	ENST00000465205	114987	NM_001012361	WDR31
A_21_P0005739	1,54843	2,47609	-1,902188211	N/A	N/A	N/A	Inc-VPS13B-1
A_23_P95790	1,54976	2,47752	-1,902320065	ENST00000326245	55600	NM_017625	ITLN1
A_21_P0012997	3,21979	4,14757	-1,902346437	ENST00000505712	101929495	NR_120601	LINC01339
A_21_P0000112	5,46738	6,39529	-1,902517864	ENST00000525354	730087	NM_001244038	ZNF726
A_21_P0013215	1,45746	2,38552	-1,902715683	N/A	N/A	N/A	XLOC_I2_013443
A_24_P557479	8,87314	9,80122	-1,90274206	ENST00000361842	54739	NM_017523	XAF1
A_21_P0005153	3,17559	4,10375	-1,902847574	ENST00000443445	N/A	N/A	N/A
A_22_P00012279	2,27854	3,20671	-1,902860763	N/A	N/A	N/A	Inc-PPP2R2A-1

A_33_P3802969	1,55897	2,48722	-1,902966283	N/A	285740	NR_027114	LOC285740
A_21_P0007211	1,48797	2,41626	-1,903019045	N/A	N/A	N/A	Inc-SERPING1-1
A_33_P3291569	12,4944	13,4227	-1,903032236	ENST00000240304	51747	NM_016424	LUC7L3
A_21_P0004757	3,79117	4,72037	-1,90421978	N/A	N/A	N/A	Inc-KLHL31-2
A_22_P00024231	1,78789	2,71724	-1,904417776	N/A	N/A	N/A	Inc-ATP1B3-2
A_23_P101871	6,72456	7,65394	-1,904457377	ENST00000292852	115290	NM_024907	FBXO17
A_33_P3329344	12,688	13,6175	-1,904615792	ENST00000306749	2194	NM_004104	FASN
A_23_P6935	13,1831	14,1132	-1,905408064	ENST00000361309	961	NM_198793	CD47
A_24_P111996	4,26294	5,19322	-1,90564581	ENST00000397022	3077	NM_000410	HFE
A_32_P101570	3,26785	4,19828	-1,905843954	N/A	100616668	NR_038258	TPTE2P5
A_22_P00011869	2,45732	3,38781	-1,905923218	ENST00000432481	N/A	AV702526	N/A
A_33_P3239295	5,92597	6,85658	-1,906081755	ENST00000313755	5625	NM_016335	PRODH
A_23_P50096	11,9364	12,8673	-1,90646494	ENST00000581920	7298	NM_001071	TYMS
A_21_P0000098	4,49054	5,4216	-1,906676385	N/A	22900	NM_001184904	CARD8
A_33_P3391603	1,65901	2,59035	-1,907046471	ENST00000453937	3910	NM_001105209	LAMA4
A_23_P52761	9,64797	10,5794	-1,907165443	ENST00000260227	4316	NM_002423	MMP7
A_24_P5743	9,17815	10,1097	-1,907324083	ENST00000455361	126133	NM_153329	ALDH16A1
A_33_P3370751	4,73801	5,66963	-1,907416629	ENST00000582081	64750	NM_022739	SMURF2
A_32_P149251	4,66288	5,59454	-1,907469515	ENST00000302060	202052	NM_152686	DNAJC18
A_22_P00008256	1,45443	2,38637	-1,907839755	ENST00000512521	N/A	N/A	N/A
A_21_P0000479	6,2963	7,22885	-1,908646598	ENST00000481096	100124541	NR_003711	SNORA11D
A_33_P3280974	1,64332	2,57591	-1,908699517	N/A	N/A	N/A	N/A
A_33_P3238330	2,37281	3,30546	-1,908778899	ENST00000371304	338094	NM_176782	FAM151A
A_21_P0002034	1,44223	2,37494	-1,908858285	ENST00000439700	N/A	N/A	N/A
A_33_P3417487	2,44382	3,37672	-1,909109694	ENST00000290460	80274	XM_005261752	SCUBE1
A_33_P3238978	2,52594	3,45907	-1,909414076	ENST00000559055	90655	NM_139214	TGIF2LY
A_23_P313550	2,63505	3,56829	-1,909559667	ENST00000458275	284427	NM_173637	SLC25A41
A_21_P0003677	1,59661	2,52991	-1,909639085	N/A	N/A	N/A	Inc-SAP30-1
A_23_P257129	1,74093	2,67434	-1,909784694	ENST00000371768	5047	NM_002571	PAEP
A_22_P00014115	4,68063	5,61409	-1,909850883	ENST00000449339	N/A	BC041449	N/A
A_23_P152970	9,28794	10,2215	-1,909983268	ENST00000620260	51195	XM_006721934	RAPGEFL1
A_21_P0008202	5,1196	6,05318	-1,910009746	ENST00000499499	100289274	XR_109147	DNAJC3-AS1
A_33_P3366431	1,54662	2,48035	-1,910208344	ENST00000263598	3933	NM_001252619	LCN1

A_33_P3794109	1,51734	2,45115	-1,910314272	N/A	253805	BC028622	LOC253805
A_22_P00009749	1,99435	2,92854	-1,910817507	N/A	N/A	N/A	Inc-MDM4-4
A_32_P183970	3,54027	4,47449	-1,910857242	ENST00000344320	643338	NM_001130448	C15orf62
A_22_P00018335	1,62803	2,56226	-1,910870487	N/A	N/A	N/A	Inc-ZPBP-1
A_21_P0005119	4,93773	5,87247	-1,911546109	N/A	N/A	N/A	Inc-SH3BGRL2-1
A_33_P3263432	4,03248	4,96727	-1,911612359	ENST00000369304	8515	NM_003637	ITGA10
A_23_P124402	1,36728	2,30216	-1,911731615	ENST00000318351	170572	NM_130770	HTR3C
A_32_P211045	7,34696	8,28187	-1,911771369	ENST00000439211	1719	NM_000791	DHFR
A_24_P93703	9,36865	10,3036	-1,911824375	ENST00000478241	440104	NR_036476	TMEM198B
A_33_P3408034	2,5444	3,47947	-1,911983403	ENST00000413322	N/A	N/A	N/A
A_33_P3225487	7,81399	8,74917	-1,91212919	ENST00000463037	51478	NM_016371	HSD17B7
A_32_P46594	2,43014	3,36561	-1,912513591	ENST00000560882	145837	NR_026979	LOC145837
A_21_P0013291	1,44431	2,3799	-1,912672676	ENST00000423689	646588	XR_252186	LOC646588
A_23_P250629	10,328	11,2636	-1,912685934	ENST00000460122	5696	NM_004159	PSMB8
A_21_P0013925	1,54334	2,47908	-1,912871551	N/A	388692	AK124550	LOC388692
A_23_P206724	14,6568	15,5927	-1,913083707	ENST00000306061	4493	NM_175617	MT1E
A_21_P0011343	1,54259	2,47884	-1,91354788	N/A	100128108	XM_006709989	LOC100128108
A_22_P00015730	7,09108	8,02737	-1,913600936	N/A	23334	NM_015284	SZT2
A_19_P00812033	7,71939	8,65569	-1,9136142	ENST00000520558	N/A	N/A	N/A
A_19_P00318310	1,66818	2,60475	-1,913972366	N/A	N/A	N/A	Inc-TRIM39-1
A_21_P0014344	3,22443	4,16103	-1,914012166	N/A	440416	XR_424802	CCDC144NL-AS1
A_21_P0002946	1,65415	2,59078	-1,914051967	N/A	N/A	N/A	Inc-TTC21A-2
A_24_P53595	1,79086	2,72755	-1,914131572	ENST00000453292	2778	NM_016592	GNAS
A_21_P0009924	1,42	2,35696	-1,914489835	ENST00000456634	N/A	N/A	N/A
A_24_P153853	6,96862	7,90558	-1,914489835	ENST00000393066	4591	NM_001005207	TRIM37
A_33_P3229215	4,71599	5,65306	-1,914635813	N/A	84852	NR_024126	ATP1A1-AS1
A_23_P101380	8,27582	9,213	-1,914781802	ENST00000321702	374907	NM_198540	B3GNT8
A_33_P3380783	10,1455	11,0828	-1,914941076	N/A	100128184	AK128032	LOC100128184
A_21_P0002462	1,63382	2,57114	-1,914967623	N/A	N/A	N/A	Inc-C2orf65-2
A_32_P88310	7,95999	8,89736	-1,915033992	N/A	730183	NM_001256932	LOC730183
A_24_P135875	2,03935	2,97682	-1,915166736	ENST00000619442	442421	NR_024496	PTGER4P2-CDK2AP2P2
A_22_P00006751	1,60734	2,54485	-1,915219837	ENST00000558245	N/A	N/A	N/A
A_33_P3360157	1,39155	2,32915	-1,915339318	ENST00000313555	219447	NM_001001921	OR5AS1

A_21_P0014179	3,19692	4,13469	-1,915565025	N/A	N/A	N/A	N/A
A_21_P0002781	2,04975	2,98752	-1,915565025	ENST00000498005	101927992	NR_110167	LINC01213
A_33_P3286492	4,0611	4,99912	-1,915896996	ENST00000396419	3174	BC054009	HNF4G
A_22_P00000224	3,30897	4,24708	-1,91601652	N/A	N/A	AY312366	Inc-AC005493.1-1
A_21_P0004592	6,57964	7,51787	-1,916175896	ENST00000525811	N/A	N/A	N/A
A_24_P20032	8,97322	9,9115	-1,916242307	ENST00000290524	5993	NM_000449	RFX5
A_33_P3419621	2,42319	3,36152	-1,91630872	N/A	100289580	NR_103774	LOC100289580
A_33_P3303146	2,12947	3,06783	-1,916348569	ENST00000317868	84938	NM_032852	ATG4C
A_22_P00013886	6,45482	7,39323	-1,916414986	ENST00000571665	101927060	XR_424838	LOC101927060
A_33_P3366073	9,18011	10,1186	-1,916521257	ENST00000495963	84650	NR_103802	EBPL
A_24_P160413	8,39481	9,33331	-1,916534542	ENST00000441044	339483	NR_026850	MTMR9LP
A_22_P00008986	12,5125	13,4511	-1,91666739	N/A	N/A	N/A	Inc-LAMA5-1
A_33_P3281323	2,10268	3,04157	-1,917052703	ENST00000608937	11091	XM_005272163	WDR5
A_22_P00016966	3,29254	4,23157	-1,917238744	N/A	N/A	N/A	Inc-TSSK6-1
A_33_P3404729	2,11543	3,0545	-1,917291902	N/A	N/A	AK075182	N/A
A_22_P00007317	6,89068	7,82999	-1,917610881	ENST00000557339	283587	N/A	LINC01146
A_33_P3332112	6,04493	6,98444	-1,917876736	ENST00000357339	355	NM_000043	FAS
A_24_P228026	8,18159	9,12112	-1,917903324	ENST00000575411	124936	NM_144611	CYB5D2
A_22_P00008583	2,2119	3,15151	-1,918009678	N/A	N/A	N/A	Inc-KCTD10-1
A_32_P61684	6,2855	7,22512	-1,918022973	ENST00000220597	55824	NM_018440	PAG1
A_33_P3317523	13,4455	14,3853	-1,918262293	ENST00000374291	3925	NM_203401	STMN1
A_23_P107653	14,1975	15,1374	-1,918395261	ENST00000309244	2109	NM_001014763	ETFB
A_22_P00014898	4,80484	5,74486	-1,918554835	N/A	N/A	N/A	Inc-SLC7A7-1
A_21_P0011840	3,65125	4,59156	-1,918940528	ENST00000562665	100507334	NR_037626	LOC100507334
A_24_P92472	4,24235	5,18289	-1,919246477	ENST00000618244	3426	NM_000204	CFI
A_23_P126869	9,41053	10,3511	-1,919286387	ENST00000375460	51702	NM_016233	PADI3
A_23_P124988	3,06653	4,00712	-1,919312994	ENST00000264661	23415	NM_012285	KCNH4
A_23_P163942	13,0467	13,9874	-1,91945934	ENST00000581204	6827	NM_003168	SUPT4H1
A_33_P3251985	10,4384	11,3793	-1,919725452	ENST00000392813	64747	NM_022736	MFSD1
A_21_P0001041	3,19378	4,13504	-1,920204547	ENST00000417409	N/A	N/A	N/A
A_21_P0013576	1,43897	2,38026	-1,920244477	N/A	N/A	N/A	XLOC_I2_014827
A_21_P0000384	4,12065	5,062	-1,920324339	N/A	692200	NR_003066	SNORD85
A_21_P0014695	3,60413	4,54556	-1,920430828	N/A	83473	XM_005258358	KATNAL2

A_33_P3329088	14,4075	15,349	-1,92052401	ENST00000317508	5652	NM_002773	PRSS8
A_23_P110941	5,70431	6,64588	-1,920617196	ENST00000370960	2941	NM_001512	GSTA4
A_23_P27381	8,54791	9,48983	-1,921083197	ENST00000584217	10194	NM_005786	TSHZ1
A_21_P0009840	1,52744	2,46974	-1,92158927	N/A	N/A	N/A	Inc-ASXL1-1
A_33_P3213064	13,2451	14,1877	-1,921988894	ENST00000556539	6773	NM_005419	STAT2
A_22_P00020488	1,46563	2,40823	-1,921988894	ENST00000452354	150577	N/A	LINC01104
A_23_P19510	3,23834	4,18097	-1,922028861	ENST00000416131	3120	NM_001198858	HLA-DQB2
A_23_P357316	1,42113	2,36382	-1,922108798	ENST00000005756	151531	NM_173355	UPP2
A_23_P103282	13,8843	14,8271	-1,922255357	ENST00000470395	9528	NM_004872	TMEM59
A_33_P3832872	2,68911	3,63192	-1,922268681	N/A	389247	NR_033995	LOC389247
A_33_P3322804	3,56644	4,50949	-1,922588487	ENST00000323115	4915	NM_001291937	NTRK2
A_22_P00010935	4,53425	5,47731	-1,922601814	ENST00000617440	102724872	N/A	LOC102724872
A_24_P56130	14,9121	15,8552	-1,92265512	ENST00000550639	4637	NM_079423	MYL6
A_22_P00023627	1,55435	2,49758	-1,922828377	ENST00000426218	N/A	N/A	N/A
A_24_P205130	7,94	8,8833	-1,922921676	ENST00000420781	23048	NM_015033	FNBP1
A_21_P0013766	2,45553	3,39888	-1,92298832	N/A	N/A	N/A	XLOC_I2_015536
A_33_P3256738	5,54209	6,48552	-1,923094956	ENST00000468876	84904	NM_032818	ARHGEF39
A_33_P3269000	4,31615	5,25999	-1,923641559	ENST00000297324	157773	NM_001007090	C8orf48
A_23_P93658	1,89755	2,84156	-1,923868245	ENST00000357922	9311	NM_020322	ASIC3
A_21_P0004639	3,21488	4,15909	-1,924134968	ENST00000419702	N/A	N/A	N/A
A_23_P127911	1,61566	2,56034	-1,924761913	ENST00000611014	25891	NM_015430	PAMR1
A_23_P99373	1,69705	2,64206	-1,925202231	ENST00000255324	56163	NM_031277	RNF17
A_33_P3382143	2,76412	3,70931	-1,925442446	ENST00000255486	90627	NM_001243466	STARD13
A_33_P3286739	1,3375	2,28309	-1,925976366	N/A	90634	XM_006719890	N4BP2L1
A_21_P0009150	1,53642	2,48208	-1,926069818	ENST00000591283	100507351	NR_040050	LOC100507351
A_24_P277673	1,68198	2,62777	-1,926243382	ENST00000611444	8369	NM_003547	HIST1H4G
A_21_P0010811	3,67995	4,62582	-1,926350198	N/A	N/A	N/A	XLOC_I2_001529
A_33_P3289596	1,76511	2,71117	-1,926603912	ENST00000403714	22979	NM_014971	EFR3B
A_33_P3387636	1,71976	2,66589	-1,926697393	ENST00000505950	N/A	N/A	N/A
A_23_P209731	8,40348	9,34964	-1,926737458	ENST00000486787	80210	NM_025139	ARMC9
A_33_P3222367	7,15777	8,10406	-1,926911083	N/A	677841	NR_002988	SNORA74B
A_21_P0014844	4,625	5,57136	-1,927004579	N/A	N/A	BC033386	Inc-MRPS25-1
A_23_P210210	12,9139	13,8605	-1,927325173	ENST00000466465	2034	NM_001430	EPAS1



A_21_P0008691	1,48833	2,43499	-1,92740533	N/A	N/A	N/A	Inc-IGF1R-1
A_22_P00003160	3,11702	4,0637	-1,92743205	ENST00000454408	N/A	N/A	N/A
A_22_P00017324	2,5102	3,45734	-1,928046705	N/A	100289388	NR_102280	KCTD21-AS1
A_21_P0005781	1,80826	2,7554	-1,928046705	N/A	N/A	N/A	Inc-ERICH1-3
A_23_P314712	8,30507	9,25223	-1,928073434	ENST00000582229	26256	NM_012189	CABYR
A_33_P3307490	1,65667	2,6039	-1,928166987	ENST00000614000	11276	AK126988	SYNRG
A_21_P0003018	7,77643	8,72367	-1,928180352	ENST00000485898	N/A	N/A	N/A
A_21_P0000638	1,38762	2,33506	-1,928447673	ENST00000562271	149086	NR_034112	LINC01225
A_22_P00014813	2,18447	3,13202	-1,928594715	ENST00000430908	102723505	NR_110876	LOC102723505
A_21_P0009969	5,20644	6,15405	-1,928674925	N/A	N/A	N/A	Inc-ARFGEF2-2
A_22_P00002383	2,973	3,92082	-1,928955685	N/A	N/A	N/A	Inc-C13orf15-1
A_23_P133665	5,63172	6,57964	-1,929089395	ENST00000606080	2444	NM_002031	FRK
A_32_P128656	5,49729	6,44525	-1,929142881	ENST00000380787	4281	NM_000381	MID1
A_23_P85082	2,92234	3,87048	-1,929383589	ENST00000217999	158800	NM_139282	RHOXF1
A_23_P115149	10,8245	11,7727	-1,929463831	ENST00000235090	79084	NM_024102	WDR77
A_21_P0013069	8,04575	8,99413	-1,929704579	ENST00000479900	387036	NR_003504	GUSBP2
A_22_P00000618	2,72204	3,67042	-1,929704579	ENST00000505448	N/A	AK091057	N/A
A_21_P0002452	1,62934	2,57794	-1,929998866	N/A	N/A	N/A	Inc-PELI1-3
A_21_P0003401	2,05009	2,99875	-1,930079134	ENST00000507933	101927305	NR_125883	LOC101927305
A_22_P00019088	1,52927	2,47794	-1,930092513	N/A	N/A	N/A	Inc-SLC45A1-1
A_21_P0005118	5,58459	6,53353	-1,930453763	N/A	N/A	N/A	Inc-SH3BGRL2-1
A_21_P0011360	1,46641	2,41541	-1,93053405	N/A	N/A	N/A	XLOC_I2_004857
A_21_P0001323	1,56437	2,51346	-1,930654486	N/A	N/A	N/A	Inc-AK5-1
A_21_P0010611	1,43615	2,38524	-1,930654486	N/A	N/A	N/A	XLOC_I2_000900
A_23_P110212	9,86832	10,8175	-1,930774931	ENST00000281455	2180	NM_001995	ACSL1
A_21_P0014662	4,33926	5,28866	-1,931069382	ENST00000623723	100507395	XR_424061	LOC100507395
A_22_P00008356	2,84544	3,79513	-1,93145759	N/A	N/A	N/A	Inc-IYD-1
A_23_P146354	9,19571	10,1455	-1,931591473	ENST00000485278	10585	NM_007171	POMT1
A_22_P00003694	2,59828	3,54822	-1,931792315	ENST00000562742	101927650	NR_110918	LOC101927650
A_22_P00002686	3,033	3,983	-1,931872658	N/A	N/A	AK024190	Inc-C1orf86-1
A_21_P0000625	5,12585	6,07612	-1,932234241	ENST00000597953	100289361	NR_034032	LOC100289361
A_23_P78802	9,91081	10,8613	-1,932528915	ENST00000597589	25865	NM_016457	PRKD2
A_24_P288993	8,67855	9,62913	-1,932649476	ENST00000513465	N/A	N/A	N/A

A_33_P3209254	2,11348	3,06419	-1,932823633	N/A	647190	NR_046241	RPS16P5
A_22_P00009355	2,76805	3,71924	-1,933466811	N/A	N/A	N/A	Inc-LRRTM1-1
A_33_P3398513	5,10926	6,06048	-1,933507017	N/A	728819	NM_001101330	LOC728819
A_22_P00001536	1,7546	2,70582	-1,933507017	N/A	N/A	N/A	Inc-ARHGDIB-1
A_22_P00007340	6,96398	7,91522	-1,933533821	N/A	100506314	NR_038920	LOC100506314
A_21_P0007566	3,52914	4,48048	-1,933667848	N/A	N/A	N/A	Inc-NAB2-1
A_21_P0005645	3,56621	4,51765	-1,933801884	N/A	N/A	N/A	Inc-CLN8-1
A_23_P100189	3,12142	4,07291	-1,933868906	ENST00000312511	5619	NM_002761	PRM1
A_21_P0003073	1,40927	2,36099	-1,934177235	N/A	N/A	N/A	Inc-VPS8-1
A_33_P3330608	3,11359	4,06543	-1,934338122	ENST00000423345	84106	NM_032152	PRAM1
A_23_P88602	8,72294	9,6748	-1,934364938	ENST00000559085	4212	NM_170677	MEIS2
A_33_P3231252	6,53999	7,49195	-1,934499023	ENST00000369506	4808	NM_005599	NHLH2
A_21_P0012952	2,17636	3,12833	-1,934512432	ENST00000509403	100505841	N/A	LOC100505841
A_21_P0011932	1,45394	2,40607	-1,934726988	N/A	N/A	N/A	XLOC_I2_008133
A_33_P3296862	4,87462	5,82679	-1,934780631	ENST00000315997	146556	NM_152459	C16orf89
A_23_P121356	12,2196	13,1719	-1,93495498	ENST00000406780	56987	NM_020235	BBX
A_33_P3248953	5,93237	6,88477	-1,935089105	ENST00000296662	401207	N/A	C5orf63
A_22_P00014790	3,92722	4,87986	-1,935411045	ENST00000452381	N/A	N/A	N/A
A_23_P396626	6,42221	7,37488	-1,935451291	ENST00000621136	11276	NM_007247	SYNRG
A_24_P302574	7,92768	8,88045	-1,935585451	ENST00000264151	64172	NM_022353	OSGEPL1
A_33_P3402350	3,21066	4,16371	-1,935961148	ENST00000433816	N/A	N/A	N/A
A_22_P00023959	3,74002	4,69311	-1,936014825	N/A	N/A	N/A	Inc-SZT2-1
A_23_P316150	8,19918	9,15273	-1,936632217	ENST00000326448	57560	NM_020800	IFT80
A_32_P121674	6,81126	7,76498	-1,936860434	N/A	N/A	N/A	Inc-PAFAH1B1-2
A_21_P0014649	3,52153	4,47534	-1,936981265	N/A	100289388	BC062331	KCTD21-AS1
A_21_P0014549	3,4152	4,3692	-1,937236378	ENST00000553330	N/A	XR_110276	N/A
A_23_P157038	4,85022	5,80426	-1,937290091	ENST00000462193	245812	NM_152755	CNPY4
A_33_P3359061	1,64811	2,60222	-1,937384091	ENST00000586674	374887	NM_198537	YJEFN3
A_33_P3381092	1,96675	2,92123	-1,937881025	ENST00000395079	81341	NM_207374	OR10W1
A_23_P304652	1,78829	2,74288	-1,938028787	ENST00000383180	347736	NM_178130	NME9
A_22_P00010636	1,66834	2,62307	-1,938216863	N/A	100506351	XR_108863	LOC100506351
A_33_P3271430	9,70518	10,66	-1,938337779	N/A	4215	NM_203351	MAP3K3
A_22_P00017262	2,80632	3,76123	-1,938458703	N/A	219731	NR_038222	PROSER2-AS1

A_23_P59738	3,36008	4,31501	-1,938485576	ENST00000434895	58498	NM_021223	MYL7
A_33_P3314401	6,07498	7,02992	-1,938499012	ENST00000264734	10686	NM_006580	CLDN16
A_23_P256455	12,7933	13,7483	-1,938579634	ENST00000483031	6119	NM_002947	RPA3
A_21_P0003070	2,48164	3,43669	-1,938646821	N/A	N/A	XM_006713836	Inc-EIF2B5-2
A_21_P0011006	1,42175	2,377	-1,938915593	ENST00000419556	N/A	N/A	N/A
A_21_P0009346	1,72213	2,67754	-1,939130638	N/A	N/A	N/A	Inc-GNA13-1
A_24_P270728	12,0501	13,0056	-1,939251611	ENST00000324873	26471	NM_001042483	NUPR1
A_32_P41604	1,53273	2,4883	-1,939345706	N/A	2153	NM_000130	F5
A_21_P0006550	1,56232	2,51828	-1,939870035	N/A	N/A	N/A	Inc-IGSF1-1
A_24_P343095	8,5888	9,54484	-1,939977608	ENST00000513048	1719	NM_000791	DHFR
A_23_P120002	9,58869	10,5449	-1,940206218	ENST00000540870	3431	NM_004510	SP110
A_33_P3226788	8,79291	9,74938	-1,94055591	N/A	N/A	N/A	N/A
A_24_P148836	7,65394	8,61049	-1,940663521	ENST00000459846	200942	NM_173546	KLHDC8B
A_23_P317450	1,53104	2,48772	-1,9408384	ENST00000449667	414061	NM_001001394	DNAJB3
A_23_P106761	9,32364	10,2805	-1,941080567	ENST00000570045	11151	NM_007074	CORO1A
A_33_P3366224	10,6183	11,5752	-1,941134386	N/A	N/A	N/A	N/A
A_23_P411825	2,51534	3,47224	-1,941134386	ENST00000451554	130940	NM_138803	CCDC148
A_21_P0014271	3,65974	4,61668	-1,941188206	N/A	100506258	XR_132955	LOC100506258
A_21_P0014346	1,47491	2,4321	-1,941524618	N/A	101929767	NR_110868	LOC101929767
A_33_P3323323	4,89656	5,85401	-1,941874547	ENST00000311044	162968	NM_198458	ZNF497
A_21_P0012005	1,41048	2,36806	-1,942049536	ENST00000427579	101927661	XR_425410	LOC101927661
A_21_P0014537	1,738	2,69575	-1,942278391	ENST00000555560	N/A	N/A	N/A
A_33_P3339376	4,20482	5,16287	-1,942682318	ENST00000409415	7456	BC110288	WIPF1
A_21_P0008331	10,2767	11,2349	-1,942884313	ENST00000515218	644919	NR_109758	LOC644919
A_23_P347169	8,03693	8,99521	-1,942992053	ENST00000262102	57509	NM_001001924	MTUS1
A_23_P409888	6,57425	7,53259	-1,943072861	ENST00000374408	128876	NM_178468	FAM83C
A_23_P422981	6,22734	7,18616	-1,94371945	ENST00000283946	130888	NM_174899	FBXO36
A_22_P00025650	12,1932	13,1521	-1,943827235	ENST00000505955	N/A	N/A	N/A
A_33_P3251342	3,09345	4,05271	-1,944312345	ENST00000354593	1576	NM_017460	CYP3A4
A_23_P12363	4,38356	5,34287	-1,944379731	ENST00000545203	4919	NM_005012	ROR1
A_21_P0009522	3,96541	4,92473	-1,944393208	ENST00000584509	N/A	XR_424893	N/A
A_21_P0004593	7,80181	8,76121	-1,944501031	ENST00000525811	N/A	N/A	N/A
A_23_P159974	3,34197	4,30138	-1,94451451	ENST00000371876	90293	NM_033495	KLHL13

A_21_P0005870	1,71136	2,67079	-1,944541467	N/A	N/A	N/A	Inc-TMEM64-1
A_23_P155301	6,52111	7,48073	-1,944797576	ENST00000510823	79858	NM_145910	NEK11
A_32_P141682	6,78876	7,74847	-1,944918902	ENST00000399134	645027	NM_001145127	EVPLL
A_19_P00320619	1,40733	2,36714	-1,945053718	ENST00000356347	642280	N/A	ZNF876P
A_22_P00009535	1,67421	2,63404	-1,945080683	ENST00000430050	440390	NR_126008	LOC440390
A_21_P0004298	1,56105	2,5209	-1,945107647	N/A	N/A	N/A	Inc-TCF7-3
A_22_P00014992	3,86179	4,82176	-1,945269444	N/A	N/A	AF147387	Inc-SMCR7-1
A_21_P0005058	2,13325	3,09324	-1,945296411	ENST00000430672	N/A	N/A	N/A
A_33_P3220929	5,03427	5,99438	-1,945458223	ENST00000595718	126119	NM_001270641	JOSD2
A_23_P10873	2,95545	3,91571	-1,945660507	ENST00000502213	7096	NM_003263	TLR1
A_33_P3343010	1,71825	2,67851	-1,945660507	ENST00000620261	25764	AK094716	HYPK
A_33_P3329577	1,69652	2,65688	-1,945795374	N/A	N/A	N/A	N/A
A_23_P64630	11,3101	12,2708	-1,946253994	ENST00000311413	79102	NM_032015	RNF26
A_33_P3387796	8,82005	9,78077	-1,946280975	ENST00000524713	23187	NM_015157	PHLDB1
A_23_P359636	7,38459	8,34568	-1,946780191	ENST00000612948	148362	NM_144695	BROX
A_24_P169013	1,44883	2,41005	-1,946955622	ENST00000437650	3128	NR_001298	HLA-DRB6
A_22_P00008748	1,92515	2,88651	-1,947144564	N/A	N/A	N/A	Inc-KIAA1967-2
A_23_P121637	7,66561	8,62729	-1,947576503	ENST00000296498	8492	NM_003619	PRSS12
A_23_P202945	7,1008	8,06287	-1,948103057	ENST00000525623	29068	NM_014155	ZBTB44
A_21_P0003256	1,49029	2,45271	-1,948575727	ENST00000498457	N/A	N/A	N/A
A_33_P3261818	12,7077	13,6702	-1,948683782	ENST00000539945	4190	NM_005917	MDH1
A_33_P3316026	8,02088	8,98372	-1,949143083	ENST00000597671	7392	NM_003367	USF2
A_33_P3308137	6,53469	7,49757	-1,949197125	ENST00000409192	340277	NM_199136	FAM221A
A_21_P0006533	2,02791	2,9909	-1,94934575	N/A	N/A	N/A	Inc-PRICKLE3-1
A_33_P3340164	10,8022	11,7654	-1,949629519	ENST00000477177	4711	NM_001199958	NDUFB5
A_21_P0012341	8,1261	9,08931	-1,949643033	N/A	N/A	N/A	XLOC_I2_009464
A_22_P00024746	4,02801	4,99127	-1,949710604	ENST00000517714	N/A	N/A	N/A
A_33_P3314594	6,70091	7,66459	-1,95027829	ENST00000392613	326624	NM_175738	RAB37
A_24_P17453	3,30635	4,27018	-1,950481075	ENST00000355689	92104	NM_152275	TTC30A
A_33_P3225630	2,08272	3,04699	-1,951076032	ENST00000596694	400706	NR_125344	LOC400706
A_33_P3347040	12,0909	13,0552	-1,951116604	N/A	100131094	NM_001242901	DPP9-AS1
A_22_P00009488	1,53697	2,50159	-1,951549424	ENST00000569334	139538	NR_001559	VENTXP1
A_33_P3218960	1,44837	2,41302	-1,951590005	ENST00000358590	8912	NM_021098	CACNA1H

A_33_P3320062	8,24047	9,20527	-1,951792927	ENST00000467432	5337	NM_002662	PLD1
A_32_P112493	2,42157	3,38638	-1,951806456	ENST00000480099	91461	NM_138370	PKDCC
A_23_P314145	7,43559	8,40041	-1,951819985	ENST00000367463	10090	NM_005715	UST
A_33_P3287039	11,2986	12,2637	-1,952198833	ENST00000420715	29844	NM_013342	TFPT
A_23_P19030	1,42155	2,38688	-1,952510085	ENST00000328668	340075	NM_001012301	ARSI
A_22_P00014589	2,19512	3,16055	-1,952645427	N/A	N/A	N/A	Inc-SLC12A7-1
A_24_P136470	6,12326	7,08877	-1,952753708	ENST00000463944	54718	NR_027795	BTN2A3P
A_33_P3249872	12,1713	13,1372	-1,953281662	ENST00000262722	2192	NM_001996	FBLN1
A_23_P102462	3,29448	4,26056	-1,953525381	ENST00000331203	129804	NM_153214	FBLN7
A_33_P3416387	1,48038	2,44668	-1,953823302	N/A	26766	NR_004385	RNU105C
A_22_P00015054	5,60617	6,5725	-1,953863931	N/A	N/A	N/A	Inc-SNPH-1
A_21_P0011550	6,57899	7,54536	-1,953918104	N/A	100499466	N/A	LINC00674
A_33_P3370310	3,40078	4,36729	-1,954107723	ENST00000378861	286144	NM_001171796	TRIQQ
A_33_P3662000	3,00695	3,9737	-1,954432826	N/A	N/A	AK056246	Inc-COL6A3-5
A_23_P35467	11,3206	12,2874	-1,954500563	ENST00000464703	55847	NM_018464	CISD1
A_21_P0010334	7,49722	8,4641	-1,954608946	N/A	284865	NR_038460	LOC284865
A_21_P0007910	4,19365	5,16083	-1,955015438	ENST00000461527	10301	NR_109974	DLEU1
A_33_P3358712	2,00463	2,97189	-1,95512385	ENST00000464277	N/A	AY341344	N/A
A_33_P3366132	1,42452	2,39184	-1,955205163	N/A	N/A	N/A	Inc-COMMD10-2
A_21_P0010531	1,67229	2,63966	-1,955272927	ENST00000438195	N/A	XR_431169	N/A
A_33_P3236813	5,35398	6,32138	-1,955313586	ENST00000332427	2842	NM_006143	GPR19
A_23_P70231	11,0514	12,0188	-1,955313586	ENST00000497231	501	NM_001182	ALDH7A1
A_24_P122682	9,08105	10,0488	-1,955788005	ENST00000473894	5867	NM_004578	RAB4A
A_23_P141035	5,37331	6,34108	-1,955815118	ENST00000539698	10164	NM_005769	CHST4
A_23_P123848	9,44421	10,4122	-1,956113388	ENST00000259371	153090	NM_032552	DAB2IP
A_33_P3223860	4,39293	5,36107	-1,95631678	N/A	N/A	N/A	N/A
A_33_P3286929	2,20268	3,17115	-1,956764316	N/A	100653133	XM_006726565	LOC100653133
A_21_P0000354	4,45175	5,42058	-1,957252654	N/A	677776	NR_003009	SCARNA8
A_21_P0000671	14,3376	15,3066	-1,957483301	ENST00000563395	4493	NM_175617	MT1E
A_23_P111037	12,0969	13,0661	-1,957754684	ENST00000613854	8350	NM_003529	HIST1H3A
A_23_P31407	14,1195	15,0891	-1,958297565	ENST00000412973	10551	NM_006408	AGR2
A_19_P00320384	8,22142	9,19106	-1,958351861	ENST00000380336	340591	XR_110931	CA5BP1
A_23_P151405	10,3248	11,2945	-1,958433308	ENST00000258607	26586	NM_018204	CKAP2

A_24_P3249	2,99938	3,9691	-1,958460458	ENST00000330688	5915	NM_000965	RARB
A_19_P00330814	4,46948	5,43955	-1,958935641	N/A	100124700	NR_047518	HOTAIR
A_33_P3215239	7,97028	8,94037	-1,958962798	ENST00000371728	9585	NM_001284259	KIF20B
A_23_P112452	2,48253	3,45273	-1,959112167	ENST00000373793	2681	NR_003191	GGTA1P
A_33_P3249748	12,4319	13,4021	-1,959112167	N/A	51337	NM_016647	THEM6
A_21_P0012825	1,42999	2,40031	-1,959275128	ENST00000512559	N/A	N/A	N/A
A_22_P00005063	7,10903	8,07941	-1,959356614	N/A	N/A	N/A	Inc-DENND5A-1
A_22_P00007397	7,415	8,38545	-1,959451685	N/A	N/A	N/A	Inc-GRIK2-2
A_22_P00001713	1,56614	2,53663	-1,959506013	N/A	102724448	XR_428955	LOC102724448
A_33_P3279660	3,00583	3,97637	-1,959573925	ENST00000611282	102723552	XM_006710266	LOC102723552
A_32_P44394	9,0484	10,019	-1,959655424	ENST00000612470	9447	NM_004833	AIM2
A_22_P00011911	1,5341	2,5048	-1,959791261	N/A	N/A	N/A	Inc-PIKFYVE-2
A_22_P00024023	1,4014	2,37211	-1,959804845	ENST00000430537	N/A	N/A	N/A
A_22_P00002898	2,36587	3,33675	-1,960035793	ENST00000515485	100505989	NR_038834	LINC01207
A_23_P75764	3,5252	4,49624	-1,96025318	ENST00000302030	219982	NM_001004728	OR5A1
A_24_P935794	4,7289	5,69997	-1,960293942	ENST00000358543	389658	NM_207413	FAM150A
A_23_P141394	9,95724	10,9287	-1,960823935	ENST00000589316	55062	NM_017983	WIPI1
A_22_P00000712	2,69199	3,66353	-1,960932669	ENST00000505404	N/A	N/A	N/A
A_33_P3213259	7,56356	8,53522	-1,961095782	ENST00000493504	65996	N/A	CENPBD1P1
A_33_P3526458	2,75519	3,72712	-1,961462835	N/A	338579	BC043208	ANKRD30BP3
A_33_P3371650	3,66929	4,64124	-1,961490027	N/A	9262	BC052561	STK17B
A_21_P0010644	1,61858	2,59057	-1,961544412	N/A	N/A	N/A	XLOC_I2_001066
A_33_P3332175	8,08455	9,05697	-1,962129143	ENST00000451170	N/A	N/A	N/A
A_22_P00013346	2,25593	3,22843	-1,96223795	ENST00000517363	100507420	XR_426300	LOC100507420
A_21_P0011890	1,58555	2,55822	-1,962469184	ENST00000429947	101927289	NR_110220	LINC01237
A_23_P68211	10,6054	11,5783	-1,962782073	ENST00000234454	6697	NM_003124	SPR
A_33_P3268723	6,02266	6,99565	-1,962904522	ENST00000377294	387032	NM_019110	ZKSCAN4
A_21_P0008115	2,15035	3,12395	-1,963734652	N/A	N/A	N/A	Inc-MYO16-1
A_21_P0013600	1,94223	2,91639	-1,964497048	ENST00000455981	101929331	NR_121587	LOC101929331
A_24_P29001	11,9184	12,8927	-1,964687693	ENST00000306024	27258	NM_014463	LSM3
A_33_P3280687	3,07291	4,04726	-1,964755785	ENST00000443957	114823	NM_052925	LENG8
A_22_P00010979	8,3385	9,31344	-1,96555945	N/A	55449	NR_023921	DHRS4-AS1
A_22_P00013965	1,37714	2,35234	-1,965913712	ENST00000553561	101929443	XR_245821	LOC101929443

A_23_P127495	1,40075	2,37614	-1,966172636	ENST00000525090	8424	NM_003986	BBOX1
A_21_P0008726	1,74374	2,71924	-1,966322554	N/A	N/A	N/A	Inc-FSIP1-5
A_23_P141447	6,72854	7,70407	-1,966363443	ENST00000615378	201299	NM_001034836	RDM1
A_33_P3223869	10,3361	11,3117	-1,966458854	ENST00000436601	N/A	N/A	N/A
A_22_P00025418	3,84785	4,82367	-1,966758747	N/A	N/A	N/A	Inc-MORF4L2-1
A_33_P3404032	5,81322	6,78913	-1,966881444	ENST00000366695	92815	NM_033445	HIST3H2A
A_21_P0009334	1,57508	2,55135	-1,967372307	N/A	102724732	XR_429997	LOC102724732
A_23_P431179	5,18639	6,16279	-1,967549593	N/A	8359	NM_003538	HIST1H4A
A_23_P58396	7,73606	8,71269	-1,967863292	ENST00000274071	56034	NM_016205	PDGFC
A_21_P0000607	7,43068	8,40751	-1,968136115	N/A	399972	NR_033839	ST3GAL4-AS1
A_23_P11543	11,7037	12,6809	-1,968640937	ENST00000374479	2517	NM_000147	FUCA1
A_21_P0002519	1,49953	2,47688	-1,968845631	N/A	N/A	N/A	Inc-STK39-3
A_22_P00021262	2,15897	3,13664	-1,969282383	ENST00000413192	441908	NR_103561	NBPF18P
A_24_P296568	10,9201	11,898	-1,969596359	ENST00000393408	10951	NM_006807	CBX1
A_21_P0002489	1,39557	2,37348	-1,969610011	N/A	N/A	N/A	Inc-EDAR-1
A_33_P3327702	13,5541	14,5324	-1,970142523	ENST00000245934	8189	NM_004819	SYMPK
A_33_P3364904	6,3731	7,35168	-1,970524928	ENST00000440367	389114	NM_207404	ZNF662
A_21_P0001506	2,6207	3,59934	-1,970606881	N/A	N/A	N/A	Inc-HSPB11-1
A_21_P0001493	2,39914	3,37778	-1,970606881	N/A	N/A	N/A	Inc-PPT1-1
A_21_P0009359	1,90107	2,87975	-1,970661519	N/A	N/A	N/A	Inc-SLC39A11-1
A_33_P3227880	7,07268	8,05154	-1,970907407	ENST00000396948	11118	NM_001197247	BTN3A2
A_23_P3956	1,83719	2,81613	-1,9710167	ENST00000339142	114897	NM_198594	C1QTNF1
A_33_P3826751	1,83736	2,81673	-1,971604255	N/A	401282	N/A	DKFZp451B082
A_21_P0009117	6,73968	7,71907	-1,971631588	ENST00000568509	6687	N/A	SPG7
A_22_P00014148	3,20139	4,18082	-1,971686254	N/A	101929633	NR_110574	LOC101929633
A_23_P7732	9,34964	10,3291	-1,971727254	ENST00000518458	1070	NM_004365	CETN3
A_22_P00017650	4,58583	5,56541	-1,971891265	N/A	N/A	N/A	Inc-WRAP73-1
A_21_P0008629	1,47764	2,45771	-1,972561116	N/A	N/A	N/A	Inc-CTDSPL2-1
A_21_P0012166	1,63561	2,61593	-1,972902964	ENST00000441214	101927586	N/A	LINC01271
A_33_P3365097	5,33945	6,31988	-1,973053396	ENST00000370566	57489	NM_001184765	ODF2L
A_22_P00001388	2,09146	3,07204	-1,97325855	N/A	101927100	NR_109875	LOC101927100
A_22_P00017429	5,88556	6,86618	-1,973313261	N/A	N/A	AK055446	Inc-VMO1-1
A_23_P250413	1,49316	2,4738	-1,973340617	ENST00000415224	64098	NM_022141	PARVG

A_21_P0009992	1,5884	2,56933	-1,973737323	N/A	N/A	N/A	Inc-COL20A1-3
A_24_P277155	10,8996	11,8807	-1,973969912	ENST00000310053	6596	NM_003071	HLTF
A_19_P00324470	2,99725	3,97847	-1,974134109	ENST00000602315	728264	NR_105059	MIR143HG
A_21_P0010763	3,37576	4,357	-1,974161477	ENST00000452834	101927498	NR_110633	LINCO1361
A_24_P228228	3,17007	4,15158	-1,974530975	ENST00000306851	9331	NM_004775	B4GALT6
A_21_P0011955	1,78647	2,76805	-1,974626782	N/A	N/A	N/A	XLOC_I2_008221
A_22_P00025061	6,17689	7,15848	-1,974640469	N/A	N/A	N/A	Inc-AC078802.1-1
A_33_P3261828	4,68474	5,66641	-1,97474997	ENST00000613213	390660	N/A	ADAMTS7P1
A_23_P15582	11,7612	12,7431	-1,975064817	ENST00000017003	64132	NM_022167	XYLT2
A_24_P99090	5,7828	6,76479	-1,975188032	ENST00000378034	26586	NM_018204	CKAP2
A_33_P3485976	1,4785	2,46061	-1,97535233	ENST00000528482	283177	AK095081	LOC283177
A_22_P00000152	2,13217	3,11454	-1,975708357	N/A	102725312	XR_426420	LOC102725312
A_22_P00011829	3,12632	4,10888	-1,975968571	N/A	N/A	N/A	Inc-PHF3-1
A_33_P3303557	2,30076	3,28334	-1,975995964	N/A	N/A	N/A	N/A
A_33_P3392784	2,42423	3,40694	-1,976174027	ENST00000369703	159686	N/A	CFAP58
A_33_P3349883	3,59858	4,58144	-1,976379505	ENST00000366583	3964	EF467046	LGALS8
A_21_P0002387	1,74338	2,72641	-1,976612405	N/A	N/A	N/A	Inc-CMPK2-12
A_23_P145247	7,27759	8,26077	-1,976817928	ENST00000316606	7741	NM_001023560	ZSCAN26
A_23_P40217	2,57019	3,55339	-1,976845333	ENST00000262593	55816	NM_018431	DOK5
A_21_P0005032	1,61124	2,595	-1,977612819	N/A	N/A	N/A	Inc-B3GAT2-3
A_22_P00016242	3,99005	4,97403	-1,977914413	N/A	N/A	N/A	Inc-TMCC1-1
A_33_P3244224	1,54739	2,53141	-1,977969253	N/A	100129048	AK128074	LOC100129048
A_23_P325625	4,9235	5,90765	-1,978147494	ENST00000467917	286205	NM_173690	SCAI
A_33_P3691916	8,42466	9,40911	-1,978558881	ENST00000264344	10144	NM_014883	FAM13A
A_21_P0007563	1,65017	2,63505	-1,979148685	N/A	N/A	N/A	Inc-HOXC4-4
A_19_P00315841	2,52473	3,51006	-1,97976611	ENST00000431411	N/A	N/A	N/A
A_33_P3318966	2,49943	3,48489	-1,979944513	ENST00000395763	254013	NM_173802	METTTL20
A_22_P00025601	1,63069	2,61629	-1,980136657	N/A	N/A	CU675838	Inc-CENPBD1-1
A_23_P431268	9,54974	10,5355	-1,980356274	ENST00000272203	22874	NM_014935	PLEKHA6
A_22_P00013888	3,28505	4,27083	-1,980383727	ENST00000571143	101927060	N/A	LOC101927060
A_23_P254442	8,50731	9,49313	-1,980438636	ENST00000378052	155060	NR_036573	LOC155060
A_22_P00006731	2,46693	3,45306	-1,98086423	N/A	N/A	N/A	Inc-FSCB-4
A_23_P13425	2,90628	3,89255	-1,981056463	ENST00000468153	975	NM_004356	CD81



A_22_P00020929	1,95377	2,94019	-1,981262449	N/A	N/A	N/A	Inc-TRAPPC12-1
A_33_P3229017	3,20654	4,19299	-1,981303648	ENST00000506710	N/A	XR_425872	N/A
A_33_P3224314	1,69371	2,6806	-1,981908008	N/A	400707	BC132839	LOC400707
A_22_P00024174	1,62393	2,61084	-1,981935483	ENST00000373009	25862	NM_001286554	USP49
A_33_P3313625	3,10629	4,09329	-1,982059127	N/A	N/A	N/A	N/A
A_33_P3312735	7,67089	8,65831	-1,982636231	ENST00000354764	80055	NM_024989	PGAP1
A_24_P356453	12,4949	13,4827	-1,983158518	ENST00000328434	28958	NM_001040431	COA3
A_22_P00004912	2,19697	3,18484	-1,983254744	ENST00000421601	100874173	N/A	LINC00443
A_33_P3412658	2,43111	3,41905	-1,983350975	N/A	100289509	NR_045118	KCNIP2-AS1
A_33_P3234088	2,16222	3,15016	-1,983350975	ENST00000488218	N/A	N/A	N/A
A_22_P00007282	4,00756	4,99553	-1,983392218	N/A	N/A	AL049239	Inc-GPR19-1
A_33_P3635527	1,83287	2,82093	-1,983515952	ENST00000340345	643803	NM_001085455	KRTAP24-1
A_33_P3422035	4,50972	5,49797	-1,983777194	ENST00000392217	53827	AF177940	FXYD5
A_23_P114061	1,7078	2,6961	-1,983845948	ENST00000360823	80036	NM_001007471	TRPM3
A_23_P208674	13,1309	14,1195	-1,98425852	ENST00000599293	284361	NM_175063	EMC10
A_23_P328323	7,01025	7,99906	-1,984547371	ENST00000294428	55225	NM_018211	RAVER2
A_21_P0001156	2,24337	3,2322	-1,984574883	ENST00000435559	N/A	N/A	N/A
A_33_P3264042	4,07968	5,06861	-1,984712448	ENST00000478818	146779	NM_001144933	EFCAB3
A_24_P100650	2,38069	3,36996	-1,985180241	ENST00000484994	54586	NM_020641	EQTN
A_33_P3795644	1,62329	2,6127	-1,985372893	N/A	54748	AJ011409	LINC00527
A_21_P0008487	1,6559	2,64538	-1,985469226	N/A	N/A	N/A	Inc-BCL11B-1
A_21_P0004306	2,42279	3,41229	-1,985496751	N/A	N/A	N/A	Inc-IGIP-1
A_22_P00012652	6,16553	7,15536	-1,985950963	N/A	N/A	N/A	Inc-PXDNL-1
A_24_P250922	10,5571	11,5471	-1,986184991	ENST00000367468	5743	NM_000963	PTGS2
A_22_P00003759	6,8468	7,83705	-1,9865292	N/A	102725300	XR_424687	LOC102725300
A_21_P0000199	1,86508	2,85538	-1,986598049	ENST00000521478	3203	NM_024014	HOXA6
A_23_P163992	9,66515	10,6556	-1,986804611	ENST00000394209	2886	NM_005310	GRB7
A_22_P00020986	4,73834	5,72883	-1,986859698	N/A	101927167	NR_125398	GATA2-AS1
A_22_P00010379	1,56019	2,5507	-1,986887241	N/A	N/A	AK093324	Inc-MYL12A-1
A_24_P131580	9,60366	10,5943	-1,987066286	ENST00000295453	251	NM_031313	ALPPL2
A_23_P148793	2,82367	3,81433	-1,987093833	ENST00000477875	116123	NR_002925	FMO9P
A_33_P3716128	11,1052	12,096	-1,987286671	ENST00000462787	10051	NM_005496	SMC4
A_23_P156861	4,86435	5,85531	-1,98750708	ENST00000206262	26575	NM_012419	RGS17

A_22_P00012835	5,64481	6,63628	-1,988209798	N/A	N/A	N/A	Inc-RASA1-3
A_33_P3269806	8,12046	9,11216	-1,988526792	ENST00000600228	90317	NM_178523	ZNF616
A_23_P119916	5,59109	6,58279	-1,988526792	ENST00000233948	7475	NM_006522	WNT6
A_22_P00025284	3,21268	4,20457	-1,988788694	ENST00000513771	102577426	N/A	LOC102577426
A_23_P92999	1,50208	2,494	-1,98883005	ENST00000505020	1007	NM_016279	CDH9
A_22_P00003179	3,31105	4,30317	-1,98910578	N/A	N/A	N/A	Inc-C9orf80-1
A_22_P00016781	2,06726	3,05997	-1,989919404	ENST00000525573	N/A	N/A	N/A
A_33_P3303250	2,11616	3,1089	-1,989960784	ENST00000617896	N/A	AK130201	N/A
A_24_P141629	8,78797	9,78114	-1,990553987	ENST00000420244	63901	NM_022074	FAM111A
A_22_P00002250	3,14079	4,13396	-1,990553987	N/A	N/A	BC015213	Inc-C10orf122-2
A_22_P00002855	3,01483	4,00826	-1,990912753	N/A	100873937	NR_046606	GRM7-AS1
A_22_P00013517	6,0357	7,02917	-1,990967954	N/A	101928085	NR_121674	ERICH6-AS1
A_23_P120125	3,75464	4,74814	-1,991009355	ENST00000416132	78989	NM_199235	COLEC11
A_24_P281580	6,8115	7,80505	-1,99107836	ENST00000538588	352954	NM_178831	GATS
A_33_P3378216	2,2151	3,20882	-1,991312992	ENST00000515779	N/A	N/A	N/A
A_33_P3221808	1,64348	2,63741	-1,991602871	N/A	389715	AL080137	FAM205BP
A_21_P0006234	1,96459	2,95858	-1,991685701	N/A	N/A	N/A	Inc-PPAPDC3-2
A_23_P18579	11,8188	12,8128	-1,991699506	ENST00000504686	10744	NM_006607	PTTG2
A_23_P88767	8,72703	9,72121	-1,991948019	ENST00000621727	8399	NM_003561	PLA2G10
A_33_P3257553	3,21103	4,20536	-1,992155137	ENST00000373847	11064	N/A	CNTRL
A_33_P3335183	4,46193	5,4563	-1,992210372	ENST00000579258	474170	NM_001006607	LRRRC37A2
A_23_P117852	12,2144	13,2089	-1,992389896	ENST00000300035	9768	NM_014736	KIAA0101
A_22_P00000439	7,97981	8,97442	-1,992541814	N/A	N/A	AK091883	Inc-AC078802.1-1
A_32_P407245	5,19931	6,19394	-1,992569437	ENST00000395069	79962	NM_024902	DNAJC22
A_24_P79855	5,94132	6,93633	-1,993094341	N/A	N/A	BC104430	N/A
A_23_P130515	8,5172	9,51239	-1,993343028	ENST00000344550	1084	NM_001815	CEACAM3
A_24_P941217	2,57446	3,56976	-1,993495018	ENST00000321276	130367	XM_005246297	SGPP2
A_22_P00006662	1,75088	2,74622	-1,99355029	N/A	N/A	BM692815	Inc-FOXN1-1
A_33_P3399864	3,88084	4,87621	-1,993591746	ENST00000605484	126375	NM_175872	ZNF792
A_33_P3339066	10,1773	11,1728	-1,993771394	ENST00000531883	55599	NM_017619	RNPC3
A_23_P41765	9,4402	10,4359	-1,994047809	ENST00000405885	3659	NM_002198	IRF1
A_24_P381604	10,6645	11,6603	-1,994186031	ENST00000378565	9445	NM_021999	ITM2B
A_33_P3417328	2,72504	3,72087	-1,994227499	N/A	57619	AK127929	SHROOM3

A_22_P00016001	1,67937	2,67544	-1,994559277	ENST00000437350	N/A	N/A	N/A
A_23_P32328	10,8924	11,8885	-1,994600753	ENST00000463032	57128	NM_020408	LYRM4
A_22_P00007058	6,09559	7,09169	-1,994600753	ENST00000532652	N/A	BX091362	N/A
A_24_P276932	4,75302	5,7494	-1,994987905	ENST00000381661	245973	NM_001039362	ATP6V1C2
A_24_P74160	14,5743	15,5708	-1,995153851	ENST00000588599	6633	NM_177542	SNRPD2
A_23_P1352	1,43007	2,42664	-1,995250658	ENST00000266066	6425	NM_003015	SFRP5
A_33_P3339825	8,47889	9,47554	-1,995361302	ENST00000599293	284361	NM_206538	EMC10
A_23_P7636	13,8668	14,8636	-1,995568774	ENST00000520452	9232	NM_004219	PTTG1
A_33_P3325704	9,68836	10,6854	-1,995900775	ENST00000368751	6704	NM_001024209	SPRR2E
A_33_P3258617	3,05318	4,05031	-1,99602529	ENST00000380464	123	N/A	PLIN2
A_33_P3240578	2,06848	3,0657	-1,996149812	ENST00000359760	653483	NR_027906	MLLT4-AS1
A_19_P00319041	2,64462	3,64189	-1,996218995	ENST00000606019	100506136	NR_038948	LOC100506136
A_19_P00321577	5,27743	6,27472	-1,996246669	ENST00000463474	10301	NR_109974	DLEU1
A_21_P0005735	1,43236	2,42973	-1,996357367	N/A	101926956	XR_242403	LOC101926956
A_23_P218549	1,37179	2,36941	-1,996703339	ENST00000253673	84658	NM_032571	EMR3
A_21_P0011883	1,38781	2,38571	-1,9970909	ENST00000443866	N/A	N/A	XLOC_I2_007827
A_23_P255535	1,54982	2,54791	-1,99735393	ENST00000381241	438	NM_004043	ASMT
A_23_P207399	12,6439	13,6422	-1,997644688	ENST00000422280	4077	NM_005899	NBR1
A_21_P0005392	3,29235	4,29078	-1,997824702	N/A	N/A	N/A	lnc-STAG3L4-1
A_23_P319783	6,61725	7,61569	-1,99783855	ENST00000469128	200162	NM_206996	SPAG17
A_33_P3237664	4,98628	5,98477	-1,997907791	ENST00000459625	51564	AK122588	HDAC7
A_24_P942211	10,8763	11,8748	-1,997921639	ENST00000611123	9906	NM_182838	SLC35E2
A_21_P0006845	2,34195	3,3407	-1,998267883	N/A	N/A	N/A	lnc-PDSS1-2
A_22_P00002461	5,95489	6,95376	-1,998434101	N/A	N/A	N/A	lnc-C15orf41-5
A_21_P0014301	3,86308	4,86206	-1,998586479	N/A	644192	NR_125738	NR2F2-AS1
A_33_P3362409	2,77219	3,7712	-1,998628039	ENST00000531758	100499484	NR_036526	LOC100499484
A_23_P211631	12,1484	13,1475	-1,998752724	ENST00000327858	2192	NM_006486	FBLN1
A_24_P181120	14,1239	15,1231	-1,998891272	ENST00000552548	5204	NM_002624	PFDN5
A_23_P398530	4,003	5,00227	-1,998988261	ENST00000503128	7468	NM_133334	WHSC1
A_24_P341000	2,17786	3,17736	-1,999306973	ENST00000318245	729420	NM_001257995	LMO7DN
A_21_P0014114	7,94668	8,94623	-1,999376265	N/A	101927167	NR_125398	GATA2-AS1
A_22_P00007907	2,65871	3,6584	-1,999570295	N/A	N/A	N/A	lnc-HSPA1B-1
A_21_P0006183	7,11049	8,11075	-2,000360469	N/A	N/A	N/A	lnc-ZNF169-1

A_23_P344531	9,19264	10,1929	-2,000360469	ENST00000307662	11346	NM_007286	SYNPO
A_32_P153388	3,98634	4,98673	-2,000540728	ENST00000409927	51454	NM_016315	GULP1
A_22_P00018877	1,41362	2,41405	-2,000596195	N/A	N/A	N/A	Inc-PTPN3-2
A_21_P0011143	5,77129	6,77177	-2,000665532	N/A	N/A	N/A	XLOC_I2_003732
A_33_P3381255	2,17934	3,17987	-2,000734871	N/A	387836	NM_207375	CLEC2A
A_33_P3318963	1,90066	2,90137	-2,000984511	N/A	N/A	N/A	Inc-POLR2F-1
A_33_P3418010	10,4269	11,4277	-2,001109343	ENST00000596217	23636	NM_016553	NUP62
A_22_P00016236	4,40761	5,40873	-2,001553253	ENST00000560916	80765	N/A	STARD5
A_21_P0009078	1,57904	2,58027	-2,001705869	ENST00000602862	N/A	N/A	N/A
A_33_P3359373	4,41753	5,41913	-2,002219301	ENST00000403810	7248	BC121000	TSC1
A_21_P0000015	9,13823	10,1399	-2,002316452	N/A	83666	NM_001146106	PARP9
A_21_P0002105	2,04439	3,04607	-2,002330331	ENST00000419784	101928067	XR_249218	LOC101928067
A_24_P87114	4,07572	5,07762	-2,002635694	ENST00000491362	84749	NM_032663	USP30
A_22_P00009133	3,55965	4,56163	-2,002746747	ENST00000332012	284185	NR_038080	LINC00482
A_22_P00001316	1,6887	2,69084	-2,002968871	N/A	N/A	N/A	Inc-ANTXR2-1
A_22_P00006159	1,50528	2,50744	-2,002996639	N/A	102724842	XR_425797	LOC102724842
A_22_P00019462	1,46326	2,46548	-2,003079943	N/A	N/A	N/A	Inc-RFC4-4
A_22_P00004531	1,61126	2,61355	-2,003177135	ENST00000533793	101928894	NR_120565	LOC101928894
A_33_P3330109	13,7148	14,7171	-2,00319102	ENST00000487245	3107	NM_001243042	HLA-C
A_21_P0013943	1,53403	2,53641	-2,003302104	N/A	N/A	N/A	N/A
A_21_P0013417	1,60715	2,60987	-2,003774277	ENST00000456777	646588	XR_252186	LOC646588
A_21_P0011703	2,37802	3,38083	-2,003899283	N/A	N/A	N/A	XLOC_I2_006789
A_23_P216489	12,2402	13,2435	-2,004580008	ENST00000539815	10020	NM_005476	GENE
A_24_P942921	1,5204	2,52376	-2,004663377	ENST00000375099	127733	NM_152376	UBXN10
A_33_P3244931	14,4787	15,4825	-2,005274862	ENST00000409094	1622	NM_001079863	DBI
A_23_P170498	10,4231	11,4271	-2,005552872	ENST00000565187	123803	NM_173474	NTAN1
A_21_P0009675	4,50346	5,50768	-2,005858727	N/A	N/A	N/A	Inc-PTBP1-1
A_21_P0001771	4,27387	5,27831	-2,006164628	ENST00000607100	400946	AK022396	LINC00954
A_21_P0004838	5,3494	6,35391	-2,00626197	N/A	N/A	N/A	Inc-HIVEP1-2
A_23_P349406	4,25794	5,26263	-2,0065123	ENST00000431473	284716	NM_173642	RIMKLA
A_33_P3246858	1,52815	2,53294	-2,006651386	ENST00000449873	6913	XM_005271161	TBX15
A_23_P395954	3,49226	4,49778	-2,007667003	ENST00000394848	85464	AB072358	SSH2
A_23_P70968	5,31052	6,31605	-2,007680919	ENST00000523796	3204	NM_006896	HOXA7

A_33_P3340961	1,62614	2,63167	-2,007680919	ENST00000624675	100132249	AF036272	LOC100132249
A_23_P168847	4,28917	5,29487	-2,007917508	ENST00000522609	157574	NM_172366	FBXO16
A_33_P3236177	6,23426	7,24014	-2,008168045	ENST00000336811	283	NM_001145	ANG
A_33_P3257486	2,36365	3,36957	-2,008223724	ENST00000390296	N/A	FJ385530	N/A
A_21_P0007140	2,22751	3,23399	-2,009003392	N/A	N/A	N/A	Inc-PGAP2-1
A_22_P00004839	2,95997	3,96652	-2,009100872	N/A	N/A	N/A	Inc-CYB5R2-2
A_33_P3259705	5,94289	6,9501	-2,0100202	ENST00000531205	59307	XM_005253044	SIGIRR
A_23_P404821	9,00644	10,0139	-2,01036854	ENST00000536163	57189	NM_001080392	KIAA1147
A_33_P3379106	2,15968	3,16745	-2,010800566	ENST00000569736	283867	NR_027755	LINC00922
A_24_P46130	5,15619	6,16402	-2,010884194	ENST00000336375	55	NM_001099	ACPP
A_22_P00023983	1,43699	2,44539	-2,011678839	ENST00000428006	N/A	N/A	N/A
A_33_P3380883	6,71292	7,72137	-2,01174856	ENST00000462523	7507	NR_027302	XPA
A_22_P00000299	2,65478	3,66326	-2,011790394	N/A	N/A	BX110421	Inc-AC009365.3.1-5
A_33_P3382271	7,62899	8,63749	-2,011818283	N/A	N/A	BC033643	N/A
A_33_P3254246	1,43231	2,44083	-2,011846173	ENST00000248073	26664	NM_198944	OR7C1
A_21_P0010695	7,82151	8,83033	-2,012264568	ENST00000404210	29092	NR_109762	LINC00339
A_22_P00017570	1,80167	2,81073	-2,012599347	ENST00000417032	154822	NR_024394	LINC00689
A_22_P00007341	4,41593	5,4251	-2,012752806	N/A	100506314	NR_038920	LOC100506314
A_33_P3640101	5,4384	6,44798	-2,013324892	N/A	400684	NR_046201	LOC400684
A_23_P64808	5,65066	6,6606	-2,013827346	ENST00000243056	3229	NM_017410	HOXC13
A_23_P103617	5,95391	6,96398	-2,014008818	ENST00000368947	8416	NM_003568	ANXA9
A_21_P0001819	1,92723	2,93742	-2,014176346	ENST00000495580	N/A	N/A	N/A
A_33_P3277674	4,57915	5,5894	-2,014260115	ENST00000360587	283807	NM_203373	FBXL22
A_22_P00015371	7,09579	8,10639	-2,014748836	N/A	N/A	N/A	Inc-SRBD1-1
A_23_P8055	8,84676	9,85785	-2,015433246	ENST00000376421	11270	NM_007243	NRM
A_23_P204158	4,50728	5,51837	-2,015433246	ENST00000622220	84900	NM_032814	RNFT2
A_23_P62932	12,3929	13,4043	-2,01586636	ENST00000367816	481	NM_001677	ATP1B1
A_21_P0009208	1,58397	2,5954	-2,015908279	N/A	N/A	N/A	Inc-TIMM22-1
A_23_P325080	9,05422	10,0659	-2,01625764	ENST00000594640	53635	NM_017432	PTOV1
A_33_P3325502	4,36134	5,37304	-2,016285591	N/A	9411	NM_004815	ARHGAP29
A_23_P24966	1,6177	2,62964	-2,016621039	ENST00000525735	9099	NM_171997	USP2
A_33_P3313352	3,93821	4,95027	-2,016788784	ENST00000615129	N/A	XM_006716225	Inc-ABCF2-1
A_33_P3265679	1,68925	2,70134	-2,016830722	ENST00000429019	389199	XR_112616	LOC389199

A_23_P24555	7,44659	8,45877	-2,016956543	ENST00000526537	23187	NM_015157	PHLDB1
A_21_P0008729	1,82679	2,83904	-2,017054408	N/A	N/A	N/A	Inc-C15orf52-1
A_21_P0005640	8,74828	9,76056	-2,017096352	N/A	N/A	N/A	Inc-FBXO25-3
A_21_P0010864	1,98452	2,99708	-2,017487871	N/A	101929149	XR_242742	LOC101929149
A_33_P3353796	2,62883	3,64144	-2,017557793	N/A	N/A	BC045633	N/A
A_23_P108157	6,51604	7,52896	-2,017991363	ENST00000591493	27134	NM_001267560	TJP3
A_22_P00018144	1,63089	2,64386	-2,018061303	ENST00000582755	N/A	DB031156	N/A
A_21_P0007122	6,23118	7,24427	-2,018229167	N/A	729013	NR_034137	ZBED5-AS1
A_21_P0000145	7,15442	8,16759	-2,018341085	ENST00000263893	100527978	NM_001199691	TMEM56-RWDD3
A_23_P11705	11,1427	12,1571	-2,020062598	ENST00000341071	55108	NM_018045	BSDC1
A_33_P3372413	2,27548	3,28989	-2,0200766	ENST00000557911	N/A	N/A	N/A
A_33_P3293598	1,56777	2,5823	-2,020244632	ENST00000419272	144776	N/A	LINC00410
A_33_P3311076	11,473	12,4876	-2,020342657	ENST00000397914	1528	NM_001190807	CYB5A
A_24_P156267	4,00932	5,02398	-2,020426683	ENST00000342665	6666	NM_006943	SOX12
A_24_P400457	1,64994	2,66463	-2,020468697	ENST00000528287	606495	NM_001031672	CYB5RL
A_24_P73535	3,07351	4,08822	-2,020496707	ENST00000319074	55017	NM_017924	C14orf119
A_21_P0013074	1,58929	2,6041	-2,020636762	N/A	N/A	N/A	XLOC_I2_012931
A_23_P152548	10,8273	11,8423	-2,020902893	ENST00000570479	59342	NM_021626	SCPEP1
A_24_P219785	9,12232	10,1374	-2,021014959	ENST00000595072	808	NM_005184	CALM3
A_22_P00011955	1,7286	2,74376	-2,021127031	N/A	N/A	N/A	Inc-PKN2-1
A_23_P75741	10,5075	11,5228	-2,021323172	ENST00000528275	9246	NM_198183	UBE2L6
A_23_P95060	8,91639	9,93197	-2,021715511	ENST00000330394	2049	NM_004443	EPHB3
A_23_P403284	7,08139	8,09713	-2,021939738	ENST00000282549	5013	NM_014562	OTX1
A_33_P3363720	6,25957	7,27539	-2,022051862	N/A	148898	NR_033691	ZNF436-AS1
A_23_P114057	12,2826	13,2985	-2,022163991	ENST00000467747	54910	NM_017789	SEMA4C
A_24_P272313	7,63084	8,64687	-2,022346215	ENST00000397899	343990	NM_207362	KIAA1211L
A_22_P00004534	2,57779	3,59384	-2,022374251	N/A	101928059	XR_425033	LOC101928059
A_24_P564030	3,78089	4,79724	-2,022794835	ENST00000342818	284697	NM_183242	BTBD8
A_33_P3237674	2,58151	3,59831	-2,023425876	ENST00000613353	N/A	EU030677	N/A
A_33_P3331120	1,50192	2,51881	-2,023552108	ENST00000465044	79663	XM_005247762	HSPBAP1
A_33_P3235420	8,69539	9,71234	-2,023636267	ENST00000342081	166824	NM_177532	RASSF6
A_21_P0002358	3,37213	4,38921	-2,023818623	ENST00000414512	N/A	N/A	N/A
A_21_P0008924	2,03507	3,05234	-2,024085174	N/A	N/A	N/A	Inc-CTD-2144E22.5.1-4

A_21_P0005943	1,56908	2,58635	-2,024085174	N/A	N/A	N/A	Inc-MATN2-2
A_23_P107724	8,12738	9,14501	-2,024590313	ENST00000354340	7771	NM_013380	ZNF112
A_23_P45955	2,91713	3,93487	-2,024744686	ENST00000469024	27285	NM_014466	TEKT2
A_22_P00012423	4,27109	5,28889	-2,024828894	N/A	N/A	BQ652130	Inc-PRM1-1
A_23_P216501	14,0947	15,1127	-2,025109615	ENST00000378292	7169	NM_213674	TPM2
A_24_P390928	10,3964	11,415	-2,025952009	ENST00000587818	79090	NM_024108	TRAPPC6A
A_24_P276385	1,48694	2,5057	-2,026176707	ENST00000304355	389852	NM_205856	SPACA5
A_33_P3328450	3,44722	4,4662	-2,026485707	ENST00000617742	3166	NM_018942	HMX1
A_21_P0007336	1,62718	2,64618	-2,0265138	N/A	N/A	N/A	Inc-LMO2-1
A_22_P00024590	1,97536	2,99451	-2,026724512	ENST00000548497	N/A	DB089141	N/A
A_24_P382187	9,65761	10,6768	-2,026780706	ENST00000269593	3487	NM_001552	IGFBP4
A_23_P433990	10,6104	11,6296	-2,026794754	ENST00000569720	6687	NM_003119	SPG7
A_23_P408955	10,0029	11,0222	-2,026935246	ENST00000361729	1870	NM_004091	E2F2
A_21_P0011036	9,24193	10,2613	-2,027033596	ENST00000545363	374443	NR_046444	LOC374443
A_21_P0003627	1,63872	2,65824	-2,027244362	N/A	N/A	N/A	Inc-COPS4-1
A_22_P00025410	3,21145	4,23098	-2,027258413	ENST00000457253	N/A	N/A	N/A
A_23_P58521	7,24456	8,26418	-2,027384884	ENST00000462279	1161	NM_001007233	ERCC8
A_24_P170067	1,85201	2,87163	-2,027384884	ENST00000433316	N/A	N/A	N/A
A_33_P3358295	10,0763	11,096	-2,02749731	ENST00000464431	80325	NM_032548	ABTB1
A_32_P167471	8,45227	9,47204	-2,027595687	ENST00000298912	79789	NM_024734	CLMN
A_21_P0002461	1,76901	2,7888	-2,027623795	N/A	N/A	N/A	Inc-C2orf81-1
A_33_P3260989	2,4183	3,43828	-2,027890847	ENST00000339381	83756	NM_152228	TAS1R3
A_33_P3388536	3,57251	4,59276	-2,028270402	N/A	728752	NR_036504	LOC728752
A_33_P3329974	9,33016	10,3506	-2,028537538	ENST00000271636	57530	NM_020770	CGN
A_21_P0002202	2,02299	3,04375	-2,028987532	ENST00000418836	388942	N/A	LOC388942
A_33_P3791123	12,8167	13,8375	-2,029043788	ENST00000505920	267020	NM_001165877	ATP5L2
A_21_P0000704	2,76894	3,79008	-2,02952203	N/A	386627	NR_037897	SAP30L-AS1
A_21_P0012834	2,52	3,54126	-2,029690848	ENST00000513310	7060	N/A	THBS4
A_33_P3587611	1,68964	2,71093	-2,029733054	N/A	100191039	BC020828	RPL36AP33
A_22_P00016088	2,46282	3,48432	-2,030028526	N/A	N/A	N/A	Inc-THNSL1-1
A_22_P00016100	1,40011	2,42176	-2,030239603	N/A	N/A	N/A	Inc-THRSP-3
A_23_P131383	10,9337	11,9555	-2,030450702	ENST00000233741	55120	NM_018062	FANCL
A_32_P184488	9,43027	10,4521	-2,030492924	ENST00000292140	653583	NM_198850	PHLDB3

A_21_P0006091	2,5304	3,55242	-2,030760354	ENST00000457976	N/A	N/A	N/A
A_22_P00005477	3,68664	4,70889	-2,031084131	ENST00000579991	140735	N/A	DYNLL2
A_22_P00012617	6,91187	7,93429	-2,031323478	N/A	154860	NR_036484	FEZF1-AS1
A_33_P3365501	1,67031	2,69273	-2,031323478	N/A	N/A	N/A	N/A
A_33_P3420352	3,35027	4,37296	-2,031703675	N/A	N/A	BC029571	N/A
A_23_P118	5,8058	6,82859	-2,031844507	ENST00000370114	2135	NM_001439	EXTL2
A_21_P0012087	3,52092	4,5439	-2,032112115	ENST00000414886	100506797	N/A	LOC100506797
A_32_P18440	10,7548	11,7779	-2,032281148	ENST00000279873	84159	NM_032199	ARID5B
A_33_P3252177	4,10125	5,12438	-2,032323409	ENST00000326282	126272	BC009725	EID2B
A_23_P124619	14,311	15,3342	-2,03242202	ENST00000344616	57402	NM_020672	S100A14
A_33_P3300965	8,86911	9,89252	-2,032717883	ENST00000243108	3223	NM_004503	HOXC6
A_33_P3225066	3,79197	4,81549	-2,032872876	ENST00000480180	56521	NM_201262	DNAJC12
A_23_P203023	8,69599	9,71963	-2,033041972	ENST00000343115	5962	NM_002906	RDX
A_32_P78491	3,24101	4,26495	-2,033464775	ENST00000242066	2115	NM_004956	ETV1
A_33_P3415633	5,46132	6,4853	-2,033521156	ENST00000314475	219902	NM_001198670	TMEM136
A_24_P80500	4,46253	5,48689	-2,034056848	N/A	56898	NM_020139	BDH2
A_24_P126741	7,14873	8,17338	-2,03446576	ENST00000470810	N/A	N/A	N/A
A_23_P360744	5,84675	6,87141	-2,034479862	ENST00000299440	5896	NM_000448	RAG1
A_23_P81529	4,95555	5,98022	-2,034493964	ENST00000230658	3670	NM_002202	ISL1
A_22_P00018317	2,86808	3,89276	-2,034508066	ENST00000461331	23145	NM_198455	SSPO
A_33_P3285824	12,5911	13,6164	-2,035382586	ENST00000624940	401152	NM_001170330	C4orf3
A_21_P0014305	2,04559	3,07144	-2,036158685	N/A	N/A	N/A	N/A
A_32_P58425	11,0833	12,1094	-2,036511555	ENST00000377648	148479	NM_153812	PHF13
A_23_P4798	8,91238	9,9386	-2,036680954	ENST00000585995	51545	NM_016535	ZNF581
A_21_P0002273	1,41026	2,43653	-2,036751541	N/A	N/A	N/A	Inc-DDX18-2
A_22_P00015482	3,21416	4,24063	-2,037033915	N/A	N/A	N/A	Inc-STAG3L4-1
A_21_P0008375	1,54641	2,57321	-2,037499916	ENST00000442515	400238	NR_033986	LINC00642
A_22_P00000575	9,03674	10,0636	-2,037584655	ENST00000563161	93129	NM_152288	ORAI3
A_22_P00016072	1,70479	2,73167	-2,037612902	ENST00000560815	N/A	N/A	N/A
A_24_P363745	10,3386	11,3655	-2,03764115	ENST00000292524	9684	NM_014665	LRRRC14
A_32_P74964	2,0816	3,10861	-2,037796518	ENST00000389677	84553	NM_032511	FAXC
A_23_P132536	10,9369	11,9641	-2,038064909	ENST00000487159	22906	NM_001042646	TRAK1
A_33_P3406821	1,68025	2,70752	-2,038163799	ENST00000415779	N/A	N/A	N/A



A_24_P71700	8,08394	9,11126	-2,038234438	N/A	92999	NM_145166	ZBTB47
A_33_P3328559	3,24754	4,27489	-2,038276822	ENST00000526474	374403	NM_198517	TBC1D10C
A_23_P387471	9,44983	10,4772	-2,038305079	ENST00000614843	4277	NM_005931	MICB
A_24_P242646	5,19562	6,2232	-2,038601798	ENST00000607427	1520	NM_004079	CTSS
A_33_P3362320	1,56988	2,59784	-2,039138828	N/A	N/A	N/A	N/A
A_23_P44546	5,68441	6,71254	-2,039379124	ENST00000338895	1677	NM_001282669	DFFB
A_32_P118250	6,63015	7,65833	-2,039449805	N/A	55449	NR_023921	DHRS4-AS1
A_22_P00000215	6,22408	7,25262	-2,039958779	N/A	101929760	NR_110542	PIK3IP1-AS1
A_22_P00006743	3,05838	4,08694	-2,039987059	ENST00000350221	161835	NM_152597	FSIP1
A_21_P0000398	3,08473	4,11345	-2,040213313	N/A	692233	NR_003140	SNORD117
A_24_P205120	2,602	3,63078	-2,040298165	ENST00000341316	6687	NM_199367	SPG7
A_23_P108437	9,05697	10,086	-2,040651752	ENST00000295417	7855	NM_003468	FZD5
A_33_P3241190	6,98222	8,01126	-2,040665897	ENST00000359321	7516	NM_005431	XRCC2
A_23_P126057	11,3143	12,3435	-2,040892227	ENST00000533119	6342	NM_002979	SCP2
A_23_P30163	5,44681	6,4762	-2,041161026	N/A	79667	NR_026804	KLF3-AS1
A_33_P3367615	1,65249	2,68194	-2,041245917	ENST00000542957	1316	NM_001160124	KLF6
A_22_P00002764	2,57282	3,60241	-2,041444401	ENST00000430401	246312	NR_038870	C21orf91-OT1
A_33_P3379091	5,73157	6,7613	-2,041642123	ENST00000318801	9145	NM_145731	SYNGR1
A_22_P00003485	1,38052	2,41044	-2,041911021	ENST00000529088	N/A	N/A	N/A
A_24_P195081	1,97464	3,00459	-2,041953481	ENST00000432954	203238	NM_173550	CCDC171
A_21_P0001971	6,09631	7,12645	-2,04222242	ENST00000442416	N/A	N/A	N/A
A_23_P333640	8,8451	9,87538	-2,042420608	ENST00000557061	89932	NM_173462	PAPLN
A_33_P3461416	1,92746	2,95797	-2,042746245	ENST00000310373	51206	NM_001083899	GP6
A_22_P00023241	1,51627	2,54681	-2,042788723	N/A	N/A	N/A	Inc-SLC24A5-3
A_23_P303978	6,32015	7,35086	-2,043029449	N/A	285943	XR_426154	HOXA-AS2
A_22_P00002231	1,90928	2,94	-2,043043611	N/A	N/A	N/A	Inc-C10orf108-1
A_33_P3352557	10,0759	11,1067	-2,043156904	ENST00000404795	63950	NM_032110	DMRTA2
A_23_P14255	3,56957	4,60042	-2,043227716	ENST00000493639	2974	NR_003923	GUCY1B2
A_33_P3214925	2,04515	3,07692	-2,044531088	ENST00000477990	142678	AK123400	MIB2
A_21_P0003499	2,6181	3,6502	-2,044998805	N/A	N/A	N/A	Inc-ANKRD50-2
A_23_P100240	2,10994	3,14251	-2,045665131	ENST00000568698	1014	NM_004062	CDH16
A_32_P86763	11,5266	12,5595	-2,046133107	ENST00000469269	7052	NM_004613	TGM2
A_24_P410610	3,30151	4,33459	-2,046388412	ENST00000306031	1806	NM_001160301	DPYD

A_33_P3311917	1,71134	2,74483	-2,046970059	N/A	N/A	N/A	N/A
A_23_P359214	10,4293	11,4629	-2,047126138	ENST00000610809	643650	NR_033957	LINC00842
A_21_P0003985	2,83463	3,86863	-2,047693801	N/A	100506406	N/A	LOC100506406
A_21_P0006025	1,77902	2,81325	-2,048020278	ENST00000421482	N/A	N/A	N/A
A_22_P00021407	1,35887	2,39311	-2,048034474	ENST00000421617	N/A	N/A	N/A
A_21_P0014901	2,88124	3,91555	-2,048133848	N/A	N/A	AK091796	N/A
A_33_P3407636	5,75083	6,78534	-2,048417799	ENST00000576854	7531	AK296555	YWHAE
A_22_P00012945	1,59501	2,62988	-2,048929011	ENST00000565944	N/A	BC015852	N/A
A_23_P428999	3,51144	4,54636	-2,049000022	ENST00000518287	10499	NM_006540	NCOA2
A_24_P90881	2,5546	3,59035	-2,050179176	ENST00000303334	23491	NM_024922	CES3
A_22_P00005653	1,49432	2,53012	-2,050250231	N/A	N/A	BG195943	Inc-EIF2C4-1
A_23_P122439	5,66324	6,69918	-2,050449198	ENST00000416795	10385	NM_181531	BTN2A2
A_23_P376188	3,39991	4,43611	-2,05081876	ENST00000378605	222389	NM_001100912	BEND7
A_21_P0000663	3,14347	4,17993	-2,051188388	N/A	644242	NR_036540	LINC00622
A_32_P144342	2,62285	3,65954	-2,051515423	ENST00000381989	143	NM_006437	PARP4
A_33_P3296487	2,00641	3,0431	-2,051515423	N/A	5796	XM_006715539	PTPRK
A_33_P3240063	1,62985	2,66659	-2,051586524	ENST00000444118	256369	NR_024182	LINC00521
A_24_P21770	5,64978	6,68713	-2,052454159	ENST00000534711	219539	NM_145008	YPEL4
A_23_P34375	10,5066	11,544	-2,052525293	ENST00000450454	6920	NM_003196	TCEA3
A_23_P58036	12,1625	13,2001	-2,052809853	ENST00000610757	56922	NM_020166	MCCC1
A_22_P00018123	5,59933	6,63711	-2,053065991	N/A	N/A	AW873248	Inc-ZNF484-1
A_21_P0005270	1,57518	2,61333	-2,053592597	ENST00000427073	N/A	N/A	N/A
A_23_P217938	7,53164	8,56983	-2,053649535	ENST00000366688	10638	NM_006542	SPHAR
A_33_P3421626	9,91003	10,9484	-2,053905778	ENST00000536163	57189	NM_001080392	KIAA1147
A_21_P0007013	1,60077	2,63919	-2,053976962	N/A	N/A	N/A	Inc-PDZD7-3
A_24_P185394	11,8818	12,9203	-2,054090862	ENST00000222330	2931	NM_019884	GSK3A
A_33_P3342156	1,58647	2,62507	-2,054233245	ENST00000390463	N/A	AB305786	N/A
A_33_P3260430	9,66581	10,7049	-2,054931068	ENST00000392653	6700	NM_005988	SPRR2A
A_23_P139123	1,46947	2,50882	-2,055301438	ENST00000531133	710	NM_000062	SERPING1
A_33_P3223592	6,87141	7,91078	-2,05532993	ENST00000252486	348	NM_001302688	APOE
A_22_P00003747	1,34645	2,38673	-2,056626767	ENST00000582028	N/A	DA764966	N/A
A_33_P3283922	1,628	2,66841	-2,056812096	ENST00000572770	N/A	N/A	N/A
A_22_P00021375	2,37026	3,41097	-2,057239843	ENST00000451118	N/A	N/A	N/A

A_33_P3607600	1,96103	3,00265	-2,058537885	N/A	677846	DB304787	SNORA80A
A_21_P0005276	1,36078	2,40241	-2,058552154	ENST00000447563	154822	N/A	LINC00689
A_23_P47077	10,3083	11,3501	-2,058794738	ENST00000369085	9531	NM_004281	BAG3
A_21_P0000074	1,84718	2,88913	-2,059008806	ENST00000522692	153222	NM_001168394	CREBRF
A_33_P3302255	13,6297	14,6717	-2,059080167	ENST00000378565	9445	NM_021999	ITM2B
A_22_P00011098	1,61575	2,65846	-2,060093761	ENST00000518276	N/A	N/A	N/A
A_24_P260101	8,56016	9,60299	-2,060265122	ENST00000460393	4311	NM_007289	MME
A_22_P00023941	1,55868	2,60158	-2,060365089	N/A	N/A	N/A	Inc-GABPA-5
A_21_P0007648	2,38371	3,42663	-2,060393652	N/A	N/A	N/A	Inc-ZNF664-2
A_22_P00023470	2,28927	3,33221	-2,060422215	N/A	N/A	BC067888	Inc-AL391421.1-2
A_23_P78018	7,28547	8,32896	-2,061207861	ENST00000586601	23461	NM_018672	ABCA5
A_33_P3286923	4,3547	5,39833	-2,061407892	ENST00000299882	80975	NM_001288751	TMPRSS5
A_23_P90626	3,51091	4,55459	-2,061479336	ENST00000264192	9595	NM_004288	CYTIP
A_33_P3354635	1,57006	2,61399	-2,061836594	ENST00000455228	401039	NR_034162	FLJ43879
A_22_P00007359	7,8144	8,8588	-2,062508407	N/A	N/A	N/A	Inc-GRAMD4-2
A_33_P3407384	4,23417	5,2786	-2,062551296	ENST00000373413	7579	BC011404	ZSCAN20
A_24_P206702	2,4169	3,46142	-2,062679969	ENST00000328458	390243	NM_001199206	IZUMO1R
A_22_P00018707	2,60108	3,64567	-2,062780053	N/A	N/A	N/A	Inc-BTBD9-1
A_23_P107994	11,1407	12,1859	-2,063652422	ENST00000253047	54958	NM_017854	TMEM160
A_23_P106024	10,4741	11,5194	-2,063795468	ENST00000546616	3714	NM_002226	JAG2
A_21_P0003047	1,67233	2,71766	-2,063838384	N/A	N/A	N/A	Inc-C3orf79-2
A_24_P342591	7,25193	8,2974	-2,06403867	ENST00000467350	473	NM_012102	RERE
A_33_P3589543	6,34848	7,39411	-2,064267592	N/A	N/A	AK093839	Inc-RASSF7-1
A_22_P00025412	3,1191	4,1648	-2,064367753	N/A	N/A	N/A	Inc-UCHL5-2
A_21_P0003074	1,76596	2,81212	-2,065026077	N/A	N/A	N/A	Inc-C3orf65-2
A_33_P3253234	8,19271	9,23887	-2,065026077	N/A	23096	NM_001243197	IQSEC2
A_24_P325146	1,85892	2,9053	-2,065341002	ENST00000333822	728224	NM_031960	KRTAP4-8
A_22_P00018237	1,64509	2,69147	-2,065341002	N/A	101928324	NR_125953	LOC101928324
A_22_P00025315	2,05171	3,09848	-2,065899395	ENST00000584975	N/A	N/A	N/A
A_33_P3295786	2,88413	3,93109	-2,066171488	ENST00000517870	348378	NM_001042693	FAM159A
A_24_P82493	7,82614	8,87359	-2,066873366	ENST00000310604	79877	NM_024819	DCAKD
A_21_P0004816	4,97864	6,02627	-2,067131259	ENST00000525811	N/A	N/A	N/A
A_32_P516067	1,7089	2,75655	-2,067159916	ENST00000378207	221060	NM_153244	C10orf111

A_23_P31085	11,4263	12,474	-2,067231559	ENST00000611852	25901	NM_015439	CCDC28A
A_23_P26124	5,4287	6,4765	-2,067374854	ENST00000449337	6095	NM_134260	RORA
A_23_P428184	12,2585	13,3063	-2,067374854	ENST00000341023	3013	NM_021065	HIST1H2AD
A_33_P3331267	4,10932	5,15715	-2,067417844	N/A	N/A	N/A	N/A
A_33_P3264672	2,46331	3,51144	-2,067847796	ENST00000624358	340665	XR_246086	CYP26C1
A_33_P3247042	2,2611	3,30932	-2,067976799	ENST00000339223	2359	NM_002030	FPR3
A_32_P126229	2,19432	3,24257	-2,068019802	ENST00000366215	401236	NM_001190766	STMND1
A_22_P00005100	1,5475	2,59585	-2,068163151	ENST00000515871	103689917	N/A	LINC01337
A_22_P00006488	1,91503	2,96339	-2,068177487	N/A	N/A	N/A	Inc-FGF10-3
A_22_P00020918	3,12501	4,17345	-2,068292174	N/A	N/A	DW429745	Inc-KLHL35-1
A_22_P00003259	7,63004	8,67893	-2,068937408	N/A	100874362	NR_102279	HOXB-AS1
A_21_P0004866	6,37421	7,4231	-2,068937408	ENST00000606878	100133205	N/A	LINC00240
A_23_P364613	3,73131	4,78049	-2,069353333	ENST00000370646	112817	NM_138413	HOGA1
A_22_P00003067	1,6116	2,66092	-2,069554154	N/A	N/A	BX095188	Inc-C8orf39-1
A_23_P11629	9,61641	10,6658	-2,069654572	ENST00000371268	199964	NM_182532	TMEM61
A_22_P00024555	4,74615	5,79559	-2,069726302	ENST00000485793	63899	N/A	NSUN3
A_21_P0009233	3,64794	4,69763	-2,070084989	N/A	N/A	N/A	Inc-PIPOX-1
A_21_P0000478	6,96838	8,01813	-2,070171083	N/A	100124540	NR_003710	SNORA11C
A_33_P3420810	2,91413	3,96394	-2,070257181	N/A	N/A	N/A	N/A
A_23_P80122	9,04715	10,0978	-2,071462926	ENST00000490860	7485	NM_004627	WRB
A_23_P201845	7,11098	8,16165	-2,071491643	ENST00000466345	9204	NM_007167	ZMYM6
A_19_P00812050	3,03322	4,08403	-2,071692671	N/A	N/A	N/A	Inc-TBC1D19-3
A_33_P3407350	1,69822	2,74906	-2,071735752	ENST00000524983	120237	NM_001029865	DBX1
A_23_P55356	4,93075	5,98194	-2,072238419	ENST00000328739	284013	NM_182566	VMO1
A_22_P00000915	1,593	2,6443	-2,072396425	N/A	N/A	AK024139	Inc-AK4-1
A_23_P200780	7,39685	8,44841	-2,072769942	ENST00000532540	7049	NM_003243	TGFBR3
A_33_P3280721	9,20466	10,2563	-2,072884884	ENST00000354777	79971	NM_001002292	WLS
A_23_P408996	9,31164	10,3634	-2,073057309	N/A	154141	NM_001080480	MBOAT1
A_32_P75902	2,57514	3,62699	-2,073186637	ENST00000397344	254528	NM_152764	MEIOB
A_33_P3271111	13,0438	14,096	-2,073689657	ENST00000489274	4814	NM_004148	NINJ1
A_23_P39251	5,66718	6,71976	-2,07423593	ENST00000381848	440503	NM_001013706	PLIN5
A_21_P0013764	1,6172	2,66984	-2,074322197	N/A	N/A	N/A	XLOC_I2_015529
A_33_P3285371	1,49357	2,54622	-2,074336575	N/A	N/A	N/A	N/A

A_22_P00014437	4,15846	5,21133	-2,07465292	ENST00000548846	N/A	N/A	N/A
A_21_P0001431	1,68445	2,73791	-2,075501537	N/A	N/A	N/A	Inc-MIXL1-1
A_23_P346912	3,13274	4,18624	-2,075559082	ENST00000471021	128153	NM_138796	SPATA17
A_24_P218979	9,89445	10,948	-2,075631017	ENST00000536241	83461	NM_031299	CDCA3
A_22_P00009297	7,68656	8,74024	-2,075818059	ENST00000441809	N/A	N/A	N/A
A_22_P00006665	1,43369	2,48738	-2,075832447	ENST00000400431	646982	NR_024505	LINC00598
A_19_P00321110	6,49733	7,55122	-2,076120239	ENST00000449545	26230	AK124484	TIAM2
A_33_P3269208	7,90127	8,95518	-2,07614902	ENST00000315099	415117	NM_001001850	STX19
A_33_P3410981	2,99974	4,05367	-2,076177802	ENST00000612073	56099	NM_032101	PCDHGB7
A_33_P3217470	1,48066	2,53465	-2,076264149	N/A	101928259	NR_110391	LOC101928259
A_22_P00009821	6,22579	7,28004	-2,076638364	N/A	N/A	N/A	Inc-METAP1-2
A_23_P34788	12,3392	13,3936	-2,076854288	ENST00000372217	11004	NM_006845	KIF2C
A_33_P3211213	13,5139	14,5683	-2,076854288	ENST00000613589	79042	NM_001282332	TSEN34
A_21_P0013524	2,05049	3,10506	-2,077099028	N/A	100506365	N/A	OTUD6B-AS1
A_33_P3416420	6,95576	8,01055	-2,077415794	ENST00000368573	221302	NM_145062	ZUFSP
A_22_P00019896	1,36881	2,42363	-2,077458993	N/A	N/A	N/A	Inc-KDM5A-3
A_21_P0014912	2,58854	3,64345	-2,077588596	N/A	N/A	N/A	N/A
A_21_P0010676	3,32205	4,37696	-2,077588596	N/A	N/A	N/A	XLOC_I2_001331
A_33_P3336252	3,73115	4,78609	-2,077631799	ENST00000421076	100506759	NR_002163	OR7E37P
A_33_P3301331	8,46454	9,51961	-2,077819021	ENST00000599305	1084	NM_001277163	CEACAM3
A_22_P00014451	5,96076	7,01593	-2,077963049	N/A	N/A	N/A	Inc-SH3BGR12-1
A_22_P00005155	2,18329	3,23862	-2,078193515	N/A	N/A	AL568765	Inc-DIAPH1-2
A_22_P00001227	1,4388	2,49475	-2,079086813	ENST00000433966	N/A	N/A	N/A
A_23_P94782	1,60411	2,66013	-2,079187694	ENST00000366872	388743	NM_001143962	CAPN8
A_21_P0008154	3,93215	4,98848	-2,079634509	N/A	N/A	N/A	Inc-NUFIP1-1
A_33_P3326432	12,8154	13,8718	-2,079735416	ENST00000598083	6415	NM_003009	SEPW1
A_24_P910688	2,54907	3,60552	-2,079807495	N/A	646457	N/A	C19orf67
A_32_P111996	1,79422	2,85073	-2,079893993	ENST00000623554	441058	NR_038377	MGC39584
A_21_P0009212	5,89313	6,94981	-2,080139092	N/A	N/A	N/A	Inc-PAFAH1B1-2
A_23_P136347	10,5005	11,5572	-2,080167929	ENST00000543612	2059	NM_004447	EPS8
A_24_P251534	10,3949	11,4518	-2,080456322	ENST00000443503	10217	NM_001008392	CTDSPL
A_24_P256380	9,34502	10,4021	-2,080715909	ENST00000262348	79971	NM_024911	WLS
A_23_P19712	10,7707	11,828	-2,081033227	ENST00000620958	51053	NM_015895	GMNN

A_24_P263543	13,5902	14,6475	-2,081033227	ENST00000489253	N/A	N/A	N/A
A_23_P334664	6,71835	7,77572	-2,081134202	ENST00000567543	5371	NM_033247	PML
A_22_P00006344	1,81524	2,87287	-2,081509294	ENST00000546784	N/A	DA645803	N/A
A_32_P23010	11,3422	12,4	-2,081754583	ENST00000378887	644096	NM_001042631	SDHAF1
A_23_P46539	8,97559	10,0338	-2,082346282	ENST00000369903	84722	NM_032636	PSRC1
A_24_P415327	8,49505	9,55382	-2,083154727	ENST00000462743	3257	NM_000195	HPS1
A_33_P3281745	2,22078	3,27965	-2,083299125	N/A	N/A	CN291113	Inc-C10orf71-1
A_24_P199655	10,8365	11,8954	-2,083342447	ENST00000310260	81839	NM_138959	VANGL1
A_33_P3297390	1,54534	2,60429	-2,083414651	ENST00000446603	152118	NM_001101337	C3orf79
A_21_P0001110	4,75505	5,81403	-2,083457975	ENST00000450820	N/A	N/A	N/A
A_33_P3340129	1,61344	2,67248	-2,083544625	N/A	100128551	AK125148	LOC100128551
A_21_P0000531	1,42632	2,48563	-2,083934597	N/A	148824	NR_027309	GCSAML-AS1
A_22_P00024047	1,52451	2,58387	-2,084006822	N/A	N/A	N/A	Inc-APOC3-6
A_22_P00016766	2,82093	3,88032	-2,084050158	ENST00000515822	N/A	N/A	N/A
A_24_P280148	2,305	3,3644	-2,084064603	ENST00000302548	27197	NM_080817	GPR82
A_24_P248240	1,52103	2,58045	-2,084093495	ENST00000368324	23208	NM_152280	SYT11
A_24_P303199	3,39205	4,45175	-2,084498017	ENST00000504924	54622	NM_019087	ARL15
A_33_P3403075	8,36005	9,42005	-2,084931522	ENST00000614081	55771	NM_018304	PRR11
A_21_P0001652	2,16472	3,22481	-2,085061591	N/A	N/A	N/A	Inc-AKT3-2
A_23_P200310	10,2694	11,3298	-2,085509668	ENST00000489862	55635	NM_017779	DEPDC1
A_23_P76538	9,39902	10,4595	-2,085625316	ENST00000541210	54997	NM_017899	TESC
A_22_P00021103	2,99431	4,05498	-2,085900007	N/A	N/A	N/A	Inc-RAB15-1
A_23_P406135	10,1726	11,2334	-2,086087974	ENST00000509128	26160	NM_015662	IFT172
A_21_P0014867	3,81703	4,87785	-2,086116893	N/A	N/A	N/A	N/A
A_21_P0002908	2,03412	3,09537	-2,08673876	ENST00000424941	N/A	N/A	N/A
A_33_P3290149	1,97214	3,03343	-2,086796617	N/A	N/A	N/A	N/A
A_33_P3266192	1,35457	2,41604	-2,087056996	N/A	650669	BC137379	GAS6-AS1
A_24_P194081	12,0518	13,1135	-2,087389749	ENST00000496493	53827	NM_144779	FXYS5
A_33_P3259542	1,51617	2,57839	-2,088142256	N/A	54554	NM_019069	WDR5B
A_22_P00022484	2,11705	3,17942	-2,088359376	N/A	101669766	NR_103847	ZNF350-AS1
A_33_P3314813	3,09221	4,15465	-2,088460706	ENST00000449465	143678	NM_001080446	C11orf94
A_33_P3238335	8,59007	9,6528	-2,088880556	N/A	55283	BC060765	MCOLN3
A_23_P1962	12,5581	13,6213	-2,08956118	ENST00000354445	5920	NM_004585	RARRES3

A_32_P218025	4,27269	5,33605	-2,089792933	N/A	100506253	XR_109812	LOC100506253
A_22_P00006253	3,3784	4,44181	-2,089865361	N/A	N/A	N/A	Inc-FAM65A-1
A_22_P00015271	2,30302	3,36657	-2,090068173	N/A	100874010	NR_046664	NLGN1-AS1
A_21_P0011239	2,00382	3,06738	-2,09008266	ENST00000553443	319089	XM_006720346	TTC6
A_33_P3344673	5,63137	6,69523	-2,090517326	ENST00000540059	284352	NM_019121	PPP1R37
A_21_P0000908	3,66771	4,73159	-2,090546306	N/A	400761	NR_033981	FLJ27354
A_33_P3418025	6,75714	7,8211	-2,090662234	ENST00000433477	1519	NM_001334	CTSO
A_23_P114656	13,8028	14,8669	-2,090865123	ENST00000476391	3065	NM_004964	HDAC1
A_21_P0007780	2,34723	3,41157	-2,091212979	N/A	N/A	N/A	Inc-DHX37-5
A_21_P0003630	6,38082	7,4456	-2,091850864	N/A	N/A	N/A	Inc-RAP1GDS1-2
A_33_P3227716	9,31791	10,3829	-2,092155378	ENST00000407689	652968	NM_001037666	GATSL3
A_23_P61371	11,9935	13,0586	-2,092314903	ENST00000330794	340061	NM_198282	TMEM173
A_33_P3413726	2,32276	3,38811	-2,092677505	ENST00000565828	N/A	N/A	N/A
A_33_P3222124	1,56302	2,62865	-2,093083694	ENST00000319423	150681	NM_173351	OR6B3
A_33_P3456233	9,03803	10,1038	-2,093286817	N/A	101928483	NR_121577	LINC01573
A_23_P106069	2,00925	3,07535	-2,093765688	ENST00000390428	N/A	X58747	N/A
A_23_P58407	2,0438	3,11031	-2,0943608	ENST00000616841	7366	NM_001076	UGT2B15
A_22_P00008347	8,23022	9,29686	-2,09454953	N/A	100506334	NR_038883	LINC00649
A_33_P3353996	6,69605	7,76274	-2,094622123	N/A	648791	NM_001145115	PPP1R3G
A_22_P00011698	1,53434	2,60143	-2,095202956	N/A	101929636	XR_244161	LOC101929636
A_22_P00002918	1,69215	2,75963	-2,095769423	N/A	N/A	N/A	Inc-C5orf22-2
A_23_P138125	3,99689	5,06442	-2,095842058	ENST00000463473	9214	NM_005449	FAIM3
A_21_P0003586	3,49065	4,55818	-2,095842058	N/A	N/A	N/A	Inc-TBC1D19-1
A_23_P311740	10,8199	11,8875	-2,095943751	ENST00000503766	23113	NM_015089	CUL9
A_33_P3287939	4,05073	5,11844	-2,096103565	ENST00000462546	340277	NM_199136	FAM221A
A_22_P00015648	4,26056	5,32883	-2,096917352	N/A	N/A	N/A	Inc-SUSD1-2
A_19_P00317612	3,2776	4,3459	-2,096960956	ENST00000446799	101929559	NR_110012	LINC00211
A_23_P68072	10,2235	11,2919	-2,097106312	ENST00000461531	84058	NM_032118	WDR54
A_21_P0008914	1,74042	2,80888	-2,09719353	N/A	N/A	N/A	Inc-CACNG3-1
A_24_P228302	11,2927	12,3613	-2,097397053	ENST00000006724	1087	NM_006890	CEACAM7
A_21_P0012707	1,47449	2,54337	-2,097804157	ENST00000501825	N/A	XR_425830	N/A
A_22_P00011959	8,65027	9,71926	-2,097964113	N/A	100506100	NR_046240	LOC100506100
A_23_P15516	9,28648	10,3555	-2,09800774	ENST00000206380	84336	NM_032376	TMEM101

A_23_P201655	11,6544	12,7237	-2,098414963	ENST00000465771	26292	NM_012333	MYCBP
A_22_P00015684	1,46631	2,53573	-2,098589511	N/A	N/A	DB024615	Inc-SYN3-4
A_33_P3347012	3,16444	4,23417	-2,099040496	N/A	N/A	DB462629	N/A
A_23_P327022	7,95795	9,02787	-2,099316953	ENST00000257724	29969	NM_199072	MDFIC
A_22_P00015934	1,71332	2,78327	-2,099360608	N/A	N/A	BG199486	Inc-TCP11L2-2
A_22_P00018902	1,35529	2,42545	-2,099666215	N/A	N/A	DA375949	Inc-C11orf39-3
A_24_P922631	8,39567	9,46592	-2,099797203	ENST00000521850	133874	NM_001102609	C5orf58
A_33_P3244585	1,86178	2,93226	-2,100131987	ENST00000472131	114827	NM_052929	FHAD1
A_22_P00005067	4,98	6,05062	-2,100335795	ENST00000545293	N/A	N/A	N/A
A_23_P157726	9,38685	10,4576	-2,100525063	ENST00000380437	55667	XM_006716804	DENND4C
A_22_P00004718	4,35936	5,43045	-2,101020152	N/A	101928736	NR_110941	MIR762HG
A_33_P3382835	4,99466	6,06579	-2,101078406	ENST00000382554	57523	NM_025081	NYNRIN
A_21_P0008905	1,42247	2,49366	-2,101165789	N/A	N/A	N/A	Inc-C16orf72-5
A_23_P110473	7,26339	8,33473	-2,101384263	ENST00000517649	4671	NM_004536	NAIP
A_33_P3416922	2,51412	3,58561	-2,10160276	N/A	N/A	N/A	N/A
A_22_P00023295	4,27753	5,3494	-2,102156386	N/A	N/A	BX092811	Inc-AKIRIN1-1
A_21_P0012439	4,72787	5,80015	-2,102753884	ENST00000429976	9881	N/A	TRANK1
A_24_P277295	11,2599	12,3324	-2,103074562	ENST00000418265	339122	NM_198490	RAB43
A_33_P3353372	3,01293	4,08546	-2,103118295	ENST00000430825	64327	N/A	LMBR1
A_33_P3354970	1,36271	2,43542	-2,10338071	N/A	N/A	N/A	N/A
A_33_P3261530	8,0372	9,11003	-2,103555671	ENST00000398554	N/A	N/A	N/A
A_33_P3390471	2,67544	3,74836	-2,103686902	N/A	N/A	BC012200	Inc-GCNT2-2
A_21_P0007843	3,45218	4,52524	-2,103891055	N/A	N/A	N/A	Inc-ALX1-2
A_23_P166526	7,7395	8,81274	-2,104153566	ENST00000614167	26150	NM_015653	RIBC2
A_24_P940059	1,43666	2,5101	-2,104445284	ENST00000265198	26034	NM_015553	IPCEF1
A_32_P47157	2,1411	3,2146	-2,104532808	N/A	92973	NR_024006	LINC00950
A_24_P162173	3,85307	4,92671	-2,104737043	ENST00000508449	288	NM_001149	ANK3
A_23_P160546	9,32268	10,3964	-2,104853757	ENST00000361936	55793	NM_001040217	FAM63A
A_21_P0010901	3,10979	4,1836	-2,104985069	N/A	N/A	N/A	Inc-SORCS1-4
A_22_P00008914	1,95368	3,0277	-2,105291495	N/A	N/A	BQ073030	Inc-KLRF2-1
A_33_P3296997	2,50811	3,58214	-2,105306088	ENST00000344321	285180	NM_198483	RUFY4
A_22_P00003473	1,37054	2,4446	-2,105349867	N/A	N/A	N/A	Inc-CCDC7-2
A_22_P00000585	2,07262	3,14681	-2,105539586	ENST00000480919	N/A	XR_426123	N/A



A_33_P3273272	5,53417	6,60843	-2,10564175	ENST00000593941	55762	NM_001172655	ZNF701
A_23_P389281	5,33116	6,40554	-2,1058169	ENST00000222753	3209	NM_000522	HOXA13
A_22_P00010615	7,58596	8,66037	-2,10586069	N/A	N/A	N/A	Inc-NDUFS5-1
A_21_P0014736	4,87295	5,94737	-2,105875286	N/A	100506538	XR_426345	LOC100506538
A_33_P3268726	2,77738	3,85232	-2,106634458	N/A	N/A	N/A	Inc-ELF2-2
A_24_P175176	8,5717	9,64664	-2,106634458	ENST00000248550	57157	NM_020432	PHTF2
A_23_P77328	10,5843	11,6593	-2,106722072	ENST00000260447	2644	NM_005258	GCHFR
A_21_P0005719	2,16629	3,24142	-2,106911915	N/A	N/A	N/A	Inc-TERF1-2
A_23_P118254	1,95639	3,03165	-2,107101776	ENST00000262426	2294	NM_001451	FOXF1
A_33_P3418838	3,78512	4,86051	-2,107291654	ENST00000602950	7163	N/A	TPD52
A_33_P3746549	1,56681	2,64246	-2,10767146	ENST00000504041	153478	NM_052909	PLEKHG4B
A_22_P00018708	1,63752	2,71356	-2,108241299	N/A	101927913	XR_241962	LOC101927913
A_24_P252462	1,6929	2,76894	-2,108241299	ENST00000260116	7274	NM_000370	TPPA
A_22_P00012391	2,96513	4,04135	-2,108504353	N/A	N/A	AK096834	Inc-PRKACG-2
A_23_P328034	6,18152	7,25783	-2,108635892	ENST00000400269	140680	NM_153269	C2orf96
A_32_P68533	5,88676	6,96338	-2,109089036	ENST00000418113	84140	NM_032180	FAM161A
A_21_P0012004	1,45687	2,53368	-2,109366817	ENST00000377977	101927533	XR_245012	LOC101927533
A_24_P71244	6,39248	7,46951	-2,109688503	ENST00000377346	5293	NM_005026	PIK3CD
A_33_P3792489	1,68506	2,76239	-2,110127246	N/A	114042	BM686390	LINC00334
A_21_P0014920	9,36128	10,4388	-2,110405164	N/A	N/A	CX782743	N/A
A_33_P3271284	3,26561	4,34341	-2,110814794	ENST00000475781	140688	NM_001256798	NOL4L
A_23_P94230	7,76029	8,83816	-2,110917214	ENST00000284818	23643	NM_015364	LY96
A_33_P3287228	1,50163	2,57959	-2,111048904	N/A	115811	AK127152	IQCD
A_23_P215720	2,03253	3,11073	-2,111400117	ENST00000003084	1080	NM_000492	CFTR
A_33_P3292724	3,01205	4,09027	-2,111429388	ENST00000372450	23334	BC017576	SZT2
A_21_P0013865	5,47167	6,55013	-2,111780664	ENST00000422194	102725299	N/A	LOC102725299
A_33_P3270599	13,2985	14,377	-2,111839216	ENST00000378292	7169	NM_001301226	TPM2
A_33_P3252444	1,43628	2,51555	-2,112966655	N/A	N/A	N/A	N/A
A_33_P3288839	7,55216	8,63151	-2,113083826	ENST00000267485	145407	NM_001001872	C14orf37
A_21_P0012475	2,13894	3,21872	-2,113713731	N/A	N/A	N/A	XLOC_l2_010489
A_33_P3210338	8,7942	9,87453	-2,114519698	ENST00000559447	64864	NM_022841	RFX7
A_33_P3228460	16,8342	17,9147	-2,114768877	ENST00000604255	5349	NM_001136007	FXD3
A_33_P3398448	10,6681	11,7487	-2,114915467	ENST00000526007	84875	NM_032789	PARP10

A_33_P3653888	2,02987	3,1105	-2,114959446	ENST00000624944	N/A	AF274944	N/A
A_21_P0006125	2,20062	3,28126	-2,114974106	N/A	N/A	N/A	Inc-KDM4C-7
A_33_P3379947	13,6226	14,7034	-2,115208677	ENST00000425848	3106	NM_005514	HLA-B
A_21_P0011440	1,74832	2,82943	-2,115663232	ENST00000568134	N/A	N/A	N/A
A_23_P66694	1,82097	2,90223	-2,115883214	ENST00000577894	2124	NM_006495	EVI2B
A_23_P420293	4,95233	6,03399	-2,116469942	ENST00000310799	219833	NM_145013	C11orf45
A_23_P56659	9,68807	10,7699	-2,116719351	ENST00000404568	165545	NM_133637	DQX1
A_22_P00001621	6,18767	7,27008	-2,117570497	N/A	104355295	N/A	SGMS1-AS1
A_23_P205074	4,00116	5,0839	-2,118054923	ENST00000266943	283537	NM_181785	SLC46A3
A_21_P0003628	1,56883	2,65172	-2,118275153	N/A	N/A	N/A	Inc-AFF1-1
A_19_P00318759	1,65634	2,73955	-2,118745053	ENST00000424205	149773	NR_034147	APCDD1L-AS1
A_33_P3328716	1,62262	2,70606	-2,119082859	ENST00000310232	152206	NM_144719	CCDC13
A_23_P24044	4,20336	5,28709	-2,119508864	ENST00000433628	54805	NM_017649	CNNM2
A_21_P0011228	2,34401	3,42785	-2,119670475	ENST00000435617	N/A	N/A	N/A
A_23_P15542	6,22644	7,31069	-2,12027295	ENST00000590299	3292	NM_000413	HSD17B1
A_21_P0009419	1,73116	2,81543	-2,120302344	ENST00000572301	100130370	NM_001272086	LOC100130370
A_21_P0003135	3,71184	4,79613	-2,120331738	N/A	N/A	N/A	Inc-VGLL3-3
A_24_P517252	3,14938	4,23367	-2,120331738	ENST00000592340	768206	NM_001077620	PRCD
A_33_P3239614	1,6035	2,68799	-2,120625698	ENST00000392256	389434	NM_203395	IYD
A_23_P356425	3,37887	4,46426	-2,121949026	ENST00000484455	126859	NM_144696	AXDND1
A_33_P3276808	1,37074	2,45637	-2,122302053	N/A	N/A	N/A	N/A
A_33_P3219295	4,97733	6,06347	-2,12305243	N/A	N/A	N/A	Inc-PHLPP2-1
A_23_P23584	13,0239	14,1101	-2,123140727	ENST00000377263	56998	NM_020248	CTNBP1
A_23_P48717	15,6824	16,7686	-2,123140727	ENST00000554482	10577	NM_006432	NPC2
A_22_P00006106	5,4488	6,53507	-2,123243745	N/A	104472848	NR_126453	IRAIN
A_24_P185029	7,74014	8,82655	-2,123449796	ENST00000395532	25970	NM_015503	SH2B1
A_19_P00316396	1,86979	2,95625	-2,123523391	ENST00000455531	55384	NR_046473	MEG3
A_33_P3383004	1,68299	2,76946	-2,12353811	N/A	768239	NM_001085382	PSAPL1
A_24_P213228	12,0477	13,1342	-2,123582268	ENST00000438311	N/A	N/A	N/A
A_33_P3218783	5,64535	6,73194	-2,123714748	ENST00000508449	288	NM_001204404	ANK3
A_32_P420520	2,83974	3,92634	-2,123729469	N/A	439931	NR_027051	THAP7-AS1
A_33_P3353471	3,25945	4,34612	-2,123832515	N/A	642976	NR_027021	GRIK1-AS1
A_22_P00022629	2,99914	4,08596	-2,124053346	N/A	101928864	XR_244659	LOC101928864

A_22_P00009468	1,36348	2,45078	-2,124760159	N/A	N/A	N/A	Inc-MAF-5
A_33_P3210278	11,2218	12,3091	-2,124760159	ENST00000555612	23224	NM_182914	SYNE2
A_23_P418274	2,13086	3,21831	-2,124981086	ENST00000426490	135886	NM_182504	WBSCR28
A_22_P00007222	2,03771	3,12519	-2,125025274	N/A	N/A	N/A	Inc-GPD2-1
A_24_P38895	12,3528	13,4405	-2,125349349	ENST00000375167	3014	NM_002105	H2AFX
A_33_P3539223	6,75646	7,84423	-2,125452474	ENST00000475323	84904	NM_032818	ARHGEF39
A_23_P67618	5,77692	6,86489	-2,125747145	ENST00000404801	126375	NM_175872	ZNF792
A_32_P33434	3,96745	5,05595	-2,12652822	ENST00000453792	729648	NM_001199814	ZNF812
A_21_P0010961	1,68626	2,77483	-2,126631402	ENST00000526488	650368	N/A	TSSC2
A_22_P00009343	2,69424	3,78384	-2,128150235	ENST00000417947	N/A	N/A	N/A
A_22_P00024855	2,59402	3,68362	-2,128150235	ENST00000517854	N/A	N/A	N/A
A_23_P258493	9,99407	11,0841	-2,128784631	ENST00000460265	4001	NM_005573	LMNB1
A_22_P00001065	2,67891	3,76929	-2,12930114	N/A	N/A	N/A	Inc-ALDH1A1-2
A_33_P3312686	1,36725	2,45784	-2,129611106	N/A	347516	NM_198512	DGAT2L6
A_22_P00017742	2,26017	3,351	-2,129965407	ENST00000414339	N/A	AF086102	N/A
A_22_P00014096	5,82616	6,917	-2,129980171	N/A	N/A	BC048339	Inc-SASS6-2
A_33_P3246635	1,94017	3,0311	-2,130113051	ENST00000381871	646405	NR_026730	TPTE2P1
A_21_P0002562	1,51149	2,60243	-2,130127815	N/A	N/A	N/A	Inc-SNTG2-4
A_21_P0004275	4,99074	6,08173	-2,130201641	N/A	N/A	N/A	Inc-RASA1-3
A_32_P48559	1,63875	2,72987	-2,130393601	ENST00000561910	146378	NM_001109660	C16orf92
A_33_P3251144	5,86455	6,95611	-2,131043437	ENST00000465490	55536	NM_001127370	CDCA7L
A_21_P0003185	5,49528	6,58687	-2,131087752	N/A	N/A	N/A	Inc-IGSF10-1
A_33_P3261173	4,73674	5,82887	-2,131885566	ENST00000490980	10023	NM_005479	FRAT1
A_22_P00000985	5,51584	6,60813	-2,132122013	ENST00000455810	439949	NR_036502	PRKCQ-AS1
A_23_P391443	3,43762	4,52999	-2,132240246	ENST00000228705	57460	NM_020700	PPM1H
A_33_P3407945	8,27545	9,36798	-2,132476732	ENST00000266673	55266	NM_018279	TMEM19
A_23_P43846	6,18121	7,27375	-2,132491513	ENST00000523955	2172	NM_001040442	FABP6
A_33_P3309551	1,73502	2,8278	-2,132846294	ENST00000356435	5789	NM_002839	PTPRD
A_19_P00322859	1,94336	3,0364	-2,133230707	N/A	N/A	N/A	Inc-GLB1L2-1
A_23_P137073	7,19354	8,28658	-2,133230707	ENST00000373988	9203	NM_005096	ZMYM3
A_33_P3211569	7,90783	9,001	-2,133422939	ENST00000411731	2065	NM_001005915	ERBB3
A_23_P218476	9,31242	10,406	-2,134029323	ENST00000243578	80776	NM_030578	B9D2
A_19_P00811216	1,53647	2,63026	-2,134339977	N/A	N/A	N/A	XLOC_l2_006673

A_33_P3411773	6,31246	7,40632	-2,134443538	N/A	100130285	XR_424754	LOC100130285
A_23_P376735	10,0242	11,1184	-2,134946622	ENST00000301073	147807	NM_153219	ZNF524
A_33_P3591972	2,86992	3,96432	-2,135242609	ENST00000473583	132158	NM_001144951	GLYCTK
A_33_P3341494	3,17638	4,27109	-2,13570147	ENST00000602828	26149	NM_033160	ZNF658
A_21_P0005128	1,56555	2,66076	-2,136441776	N/A	N/A	N/A	Inc-KIAA1919-1
A_21_P0010348	7,71322	8,80845	-2,136471393	ENST00000444388	N/A	N/A	N/A
A_23_P432056	3,60138	4,69717	-2,137300852	ENST00000331238	146760	NM_178568	RTN4RL1
A_21_P0010812	3,87028	4,96608	-2,137315667	ENST00000422642	N/A	N/A	N/A
A_22_P00004838	2,34707	3,44307	-2,137611982	N/A	N/A	N/A	Inc-CYB5R2-1
A_24_P475864	1,80402	2,90006	-2,13767125	ENST00000564580	653390	NR_003369	RRN3P2
A_22_P00019516	4,58412	5,68069	-2,138456707	N/A	101927365	NR_125843	LOC101927365
A_21_P0009315	5,48145	6,57835	-2,13894591	N/A	N/A	N/A	Inc-SLC35G3-1
A_33_P3265205	4,59208	5,68906	-2,139064522	N/A	N/A	N/A	N/A
A_23_P12343	12,3888	13,4858	-2,139094176	ENST00000488824	2947	NM_000849	GSTM3
A_21_P0008485	2,67668	3,77401	-2,139583525	ENST00000554822	388011	N/A	LINC01550
A_23_P34144	7,08004	8,17772	-2,140102654	ENST00000342972	28986	NM_014061	MAGEH1
A_22_P00001957	5,89229	6,99033	-2,140636747	N/A	100506157	XR_424491	SRP54-AS1
A_23_P21162	10,2825	11,3807	-2,140874164	ENST00000446494	255758	NM_152773	TCTEX1D2
A_23_P215787	9,19547	10,2937	-2,140918683	ENST00000468410	26959	NM_012257	HBP1
A_33_P3390212	1,74276	2,84104	-2,140992883	ENST00000310998	164395	XM_006723721	TTL9
A_33_P3220822	1,49353	2,59196	-2,141215498	N/A	441687	N/A	TEX21P
A_33_P3352632	4,51873	5,6176	-2,141868636	N/A	728147	AK096262	LOC728147
A_24_P291231	7,25538	8,35438	-2,142061646	ENST00000613533	8863	NM_016831	PER3
A_22_P00017968	5,1498	6,24891	-2,142224977	N/A	104797538	NR_126560	KCNMB2-AS1
A_22_P00020906	2,07903	3,17844	-2,142670486	N/A	N/A	CN293478	Inc-ARHGAP28-2
A_22_P00003751	1,37855	2,47813	-2,142922983	ENST00000563003	N/A	AK127458	N/A
A_21_P0004986	2,91204	4,01169	-2,14302696	N/A	N/A	N/A	Inc-GMDS-4
A_23_P155979	1,88963	2,98937	-2,143160654	ENST00000544918	1950	NM_001963	EGF
A_22_P00008653	1,74746	2,84735	-2,143383494	ENST00000567093	N/A	BC012990	N/A
A_21_P0000750	8,17812	9,27805	-2,143442922	N/A	100507057	NR_038285	MF12-AS1
A_22_P00010601	1,57966	2,67969	-2,143591499	ENST00000437514	103689918	BI758522	LINC01378
A_21_P0014063	1,52685	2,62699	-2,143754946	N/A	N/A	AK022893	Inc-C1orf106-1
A_23_P107933	8,40177	9,5022	-2,144185912	ENST00000424804	51231	NM_016440	VRK3

A_24_P179504	8,20948	9,30995	-2,144245362	ENST00000545752	144406	NM_144668	WDR66
A_22_P00010091	4,40523	5,50571	-2,144260225	N/A	102725254	N/A	LOC102725254
A_33_P3322553	9,86498	10,9656	-2,144468315	ENST00000600105	81857	NM_030973	MED25
A_33_P3246448	1,76217	2,86333	-2,145271139	ENST00000281830	23704	NM_080671	KCNE4
A_23_P55936	10,5195	11,6207	-2,145330619	ENST00000595881	2217	NM_004107	FCGRT
A_22_P00004522	1,9194	3,02076	-2,145568557	N/A	N/A	N/A	Inc-CRABP2-1
A_23_P205531	4,80462	5,90603	-2,145642918	ENST00000397995	6038	NM_001282192	RNASE4
A_21_P0000613	6,23769	7,33928	-2,145910639	N/A	100130275	NR_033910	TFAP2A-AS1
A_23_P107795	12,2755	13,3776	-2,146669363	ENST00000592922	55101	NM_018035	ATP5SL
A_32_P172864	7,4574	8,55954	-2,146728883	ENST00000483371	284611	NM_001010883	FAM102B
A_24_P307869	9,53047	10,6327	-2,146862807	ENST00000582860	3993	NM_001015002	LLGL2
A_24_P110558	6,88337	7,9857	-2,147011621	ENST00000333305	492311	NM_001007189	IGIP
A_23_P45786	6,9445	8,04696	-2,147205095	ENST00000482722	1298	NM_001852	COL9A2
A_23_P26954	11,7471	12,8496	-2,147264629	ENST00000592388	10493	NM_006373	VAT1
A_33_P3209279	2,66411	3,76715	-2,1480685	ENST00000367467	23328	NM_015278	SASH1
A_33_P3338484	4,64008	5,74344	-2,148545009	N/A	101927718	NR_110788	DSG1-AS1
A_21_P0003303	2,29885	3,40291	-2,149587743	ENST00000434969	100505547	NR_109968	LINC01208
A_22_P00021231	4,29149	5,39577	-2,149915563	ENST00000541574	101928346	XR_247876	LOC101928346
A_32_P117313	7,69681	8,80124	-2,150139106	ENST00000518748	286144	NM_001171796	TRIQK
A_23_P395172	8,38078	9,48524	-2,150183818	ENST00000352732	11057	NM_007011	ABHD2
A_33_P3370019	1,54233	2,6468	-2,150198722	ENST00000390556	N/A	AK093943	N/A
A_23_P166400	4,74696	5,85155	-2,150377578	ENST00000216101	10633	NM_006477	RASL10A
A_23_P390518	1,6968	2,80148	-2,150511729	ENST00000616710	8792	NM_003839	TNFRSF11A
A_33_P3322236	8,20532	9,31033	-2,15100369	ENST00000615493	N/A	AK125217	N/A
A_33_P3233055	5,57806	6,68322	-2,151227346	N/A	N/A	BF515046	N/A
A_23_P51039	3,82751	4,93269	-2,151257169	ENST00000243786	3623	NM_002191	INHA
A_33_P3263359	4,60774	5,71292	-2,151257169	ENST00000546995	1606	BC008292	DGKA
A_19_P00318587	7,65126	8,75697	-2,152047617	ENST00000606054	100652853	NR_046368	LINC01023
A_21_P0014382	2,38052	3,4865	-2,15245041	N/A	N/A	N/A	N/A
A_21_P0001105	1,45312	2,55927	-2,152704059	ENST00000455966	101928043	N/A	LOC101928043
A_33_P3357949	5,52582	6,63239	-2,153330849	ENST00000405218	2115	NM_004956	ETV1
A_23_P366812	6,03162	7,13839	-2,153629385	ENST00000553132	362	NM_001651	AQP5
A_21_P0004920	3,29631	4,40337	-2,154062335	N/A	N/A	N/A	Inc-KIAA1919-1

A_33_P3344492	3,73066	4,83785	-2,154256445	N/A	677774	NR_002997	SCARNA1
A_22_P00015472	2,5985	3,70578	-2,154390839	ENST00000504833	N/A	XR_425905	N/A
A_22_P00009823	2,22978	3,33741	-2,15491356	N/A	N/A	BC038532	Inc-METAP1-3
A_23_P33791	7,58663	8,69472	-2,155600759	ENST00000504136	23635	NM_012446	SSBP2
A_22_P00015259	2,08029	3,18847	-2,155735237	N/A	401398	NR_125719	POT1-AS1
A_19_P00319453	5,19506	6,30326	-2,155765122	N/A	N/A	N/A	Inc-MMRN1-2
A_23_P90233	7,18746	8,29574	-2,155884666	ENST00000587340	79149	NM_024303	ZSCAN5A
A_21_P0000117	1,64654	2,75498	-2,156123775	N/A	4281	NM_001193281	MID1
A_21_P0003930	3,71842	4,82692	-2,156213447	N/A	101929719	XR_425926	LOC101929719
A_22_P00001551	2,82299	3,93157	-2,156333016	N/A	N/A	N/A	Inc-ARID1B-1
A_23_P143713	6,8376	7,94633	-2,156557226	ENST00000480000	60489	NM_021822	APOBEC3G
A_21_P0009768	5,02614	6,13513	-2,156945913	N/A	N/A	N/A	Inc-ZNF404-1
A_23_P89249	10,8129	11,9226	-2,158007681	ENST00000406381	2064	NM_001005862	ERBB2
A_22_P00010263	1,4457	2,55543	-2,158052556	N/A	N/A	N/A	Inc-MTHFR-2
A_33_P3334718	2,55522	3,66519	-2,158411159	N/A	N/A	N/A	N/A
A_23_P65857	3,09709	4,20774	-2,159429175	ENST00000319669	145942	NM_152453	TMCO5A
A_23_P424051	1,47468	2,58576	-2,160072896	ENST00000412661	153328	NM_145282	SLC25A48
A_21_P0007052	1,66702	2,77824	-2,160282521	N/A	731789	N/A	LINC00202-2
A_22_P00013669	2,231	3,34267	-2,160956453	ENST00000572530	N/A	DB022043	N/A
A_23_P74112	6,6015	7,71322	-2,161031348	ENST00000327535	163702	NM_170743	IFNLR1
A_33_P3240843	5,54765	6,65947	-2,161181144	ENST00000356838	137835	NM_144649	TMEM71
A_23_P51202	9,45338	10,5652	-2,161181144	ENST00000374608	80818	NM_001077195	ZNF436
A_21_P0011760	2,03632	3,14818	-2,161241066	N/A	N/A	N/A	XLOC_I2_007112
A_22_P00006233	1,62509	2,73701	-2,161330951	N/A	N/A	N/A	Inc-FAM55B-1
A_23_P412389	3,01184	4,12397	-2,161645579	ENST00000274625	8817	NM_003862	FGF18
A_21_P0013492	1,59854	2,71075	-2,16176545	ENST00000521446	101929488	NR_125818	LOC101929488
A_21_P0007320	3,88781	5,00031	-2,162200036	N/A	N/A	N/A	Inc-BTBD10-3
A_33_P3686706	1,58858	2,70111	-2,162244998	N/A	N/A	N/A	N/A
A_33_P3354214	2,41367	3,52627	-2,162349913	N/A	N/A	N/A	Inc-TNFRSF14-2
A_22_P00000386	3,54102	4,65376	-2,162559759	N/A	79667	NR_026804	KLF3-AS1
A_22_P00005799	1,60823	2,72165	-2,1635793	N/A	101927943	XR_433481	LOC101927943
A_33_P3795649	1,49015	2,60371	-2,163789266	ENST00000447535	N/A	BC005107	N/A
A_22_P00015750	1,86902	2,98271	-2,163984252	N/A	N/A	AK123582	Inc-TAF1C-1

A_21_P0012935	2,91321	4,02755	-2,164959445	N/A	N/A	N/A	XLOC_I2_012323
A_23_P101208	11,7537	12,8682	-2,16519956	ENST00000397914	1528	NM_001914	CYB5A
A_23_P26928	6,44326	7,55791	-2,165424692	ENST00000331733	388389	AK023156	CCDC103
A_22_P00009070	3,2909	4,4057	-2,165649847	ENST00000521908	N/A	N/A	N/A
A_23_P83244	1,45457	2,56945	-2,16576994	ENST00000259466	254973	NM_001005235	OR1L4
A_21_P0013510	1,78761	2,90261	-2,165950091	ENST00000519902	N/A	XR_426294	N/A
A_33_P3396008	2,29664	3,41253	-2,16728668	ENST00000375056	177	NM_001206954	AGER
A_24_P56363	7,0244	8,1405	-2,167602175	ENST00000610540	81617	NM_030925	CAB39L
A_23_P413585	5,90821	7,0244	-2,167737401	ENST00000334793	2306	NM_004474	FOXD2
A_23_P15357	11,2722	12,3888	-2,168353539	ENST00000587251	3959	NM_005567	LGALS3BP
A_23_P218317	10,7455	11,8621	-2,168353539	ENST00000582907	26502	NM_001038618	NARF
A_21_P0008623	4,75686	5,87405	-2,169240483	ENST00000503052	N/A	N/A	N/A
A_23_P25293	11,6925	12,8099	-2,169556263	ENST00000315579	9918	NM_014865	NCAPD2
A_23_P148919	9,76366	10,8812	-2,169766808	ENST00000371486	1376	NM_000098	CPT2
A_33_P3251163	1,5551	2,6729	-2,170157875	ENST00000510083	8635	AK124363	RNASET2
A_22_P00018969	2,0898	3,20764	-2,170218046	N/A	N/A	N/A	Inc-SLC25A47-4
A_22_P00012060	3,39229	4,51018	-2,170293261	N/A	N/A	N/A	Inc-PLOD2-1
A_22_P00011922	5,83817	6,95637	-2,170759654	N/A	N/A	N/A	Inc-PITPNC1-1
A_33_P3846653	14,0133	15,1315	-2,170759654	ENST00000557173	160313	NR_036685	KRT19P2
A_33_P3343106	7,39061	8,50901	-2,171060606	ENST00000402764	2116	NM_014209	ETV2
A_23_P425587	9,28859	10,407	-2,171075655	ENST00000293777	400569	NM_001001683	MED11
A_21_P0007011	2,71886	3,83729	-2,171105753	N/A	N/A	N/A	Inc-PANK1-2
A_33_P3383233	9,96343	11,0819	-2,171165949	ENST00000397847	57447	NM_001282213	NDRG2
A_33_P3404779	4,2357	5,35447	-2,171617477	ENST00000339355	343521	NM_001013632	TCTEX1D4
A_23_P79769	2,54485	3,6639	-2,172038988	ENST00000342412	79444	NM_022161	BIRC7
A_33_P3385148	10,6961	11,8152	-2,172114267	ENST00000331555	440712	NM_001007544	C1orf186
A_23_P90130	4,73004	5,84921	-2,172219661	ENST00000598044	9476	NM_004851	NAPSA
A_22_P00009043	2,12899	3,2484	-2,172581051	N/A	N/A	N/A	Inc-LDOC1L-2
A_22_P00022265	3,47307	4,5925	-2,17261117	N/A	N/A	N/A	Inc-C11orf36-2
A_33_P3694746	5,52854	6,64808	-2,17277683	ENST00000416689	440584	AK056786	SLC2A1-AS1
A_23_P13137	1,89405	3,01461	-2,174313548	N/A	N/A	AY358815	N/A
A_22_P00014665	1,461	2,58172	-2,174554701	ENST00000419196	N/A	AI525711	N/A
A_23_P320553	6,10158	7,2223	-2,174554701	ENST00000334186	8541	NM_003660	PPFIA3

A_24_P8371	6,94048	8,06124	-2,174614993	ENST00000329078	124976	NM_001124758	SPNS2
A_23_P41145	3,40008	4,52106	-2,17494663	ENST00000358781	131177	NM_138805	FAM3D
A_33_P3375466	3,20113	4,32236	-2,175323553	ENST00000486892	2822	BC093645	GPLD1
A_33_P3221999	10,4464	11,5677	-2,175429102	ENST00000394179	55876	NM_001165958	GSDMB
A_23_P127840	4,23858	5,35996	-2,175549737	ENST00000536068	7761	NM_013249	ZNF214
A_33_P3236030	2,92157	4,04305	-2,17570054	ENST00000509709	83478	AK130576	ARHGAP24
A_23_P362228	10,0054	11,1271	-2,176032343	N/A	148898	NR_033690	ZNF436-AS1
A_33_P3293466	1,63056	2,75232	-2,176122844	N/A	N/A	N/A	N/A
A_32_P174693	2,22285	3,34475	-2,176334026	ENST00000566855	729059	NM_001242521	C1orf234
A_33_P3238856	1,76605	2,88811	-2,176575403	ENST00000376581	10160	NM_001001715	FARP1
A_22_P00003539	2,88852	4,01082	-2,176937518	ENST00000442635	9849	N/A	ZNF518A
A_33_P3379492	1,66904	2,79168	-2,177450617	N/A	100131581	AK092544	LOC100131581
A_21_P0009131	3,03461	4,15733	-2,177571364	N/A	N/A	N/A	Inc-CDH16-1
A_22_P00020720	1,61043	2,73394	-2,178764099	N/A	N/A	N/A	Inc-C14orf126-1
A_23_P122068	6,24281	7,36634	-2,178794303	ENST00000513471	114899	NM_181435	C1QTNF3
A_22_P00009767	1,47747	2,60176	-2,179942376	N/A	101929176	NR_109915	CTD-2297D10.2
A_23_P155857	7,74293	8,8673	-2,180063261	ENST00000502270	11162	NM_198041	NUDT6
A_22_P00007720	3,70215	4,82659	-2,180169041	ENST00000460185	3119	NM_001243961	HLA-DQB1
A_19_P00320804	1,42588	2,55046	-2,180380617	N/A	102724030	XR_424361	LOC102724030
A_33_P3231156	8,59794	9,72283	-2,180849178	ENST00000567054	N/A	N/A	N/A
A_22_P00003858	4,76495	5,88988	-2,180909644	ENST00000452322	29092	NR_109762	LINC00339
A_24_P412976	9,06157	10,1865	-2,180909644	ENST00000377431	55260	AK129801	TMEM143
A_23_P20578	2,04629	3,1717	-2,181635377	ENST00000447837	730112	NM_001164310	FAM166B
A_23_P139500	10,0561	11,1816	-2,181771479	ENST00000242728	79365	NM_030762	BHLHE41
A_24_P943894	1,60652	2,73247	-2,182452115	ENST00000274938	222663	NM_152753	SCUBE3
A_19_P00322611	3,43426	4,5603	-2,182588267	N/A	N/A	N/A	Inc-SPAG1-3
A_22_P00018572	3,98522	5,11167	-2,183208626	N/A	N/A	N/A	Inc-OTOGL-1
A_33_P3301095	10,6114	11,7379	-2,183284292	N/A	N/A	N/A	N/A
A_23_P151337	8,03642	9,16308	-2,183526439	ENST00000378180	10301	NR_002605	DLEU1
A_21_P0004520	2,43481	3,5615	-2,183571845	N/A	102724720	XR_425911	LOC102724720
A_33_P3275035	1,39752	2,52444	-2,183919986	ENST00000551904	394263	XM_005275406	MUC21
A_19_P00315502	10,7596	11,8869	-2,184495297	ENST00000417112	102723721	XR_424100	LOC102723721
A_32_P19000	3,07129	4,19898	-2,185085906	ENST00000590602	100131096	NR_040071	TNRC6C-AS1



A_22_P00016229	2,30055	3,42887	-2,186040304	N/A	103689911	NR_125777	CATIP-AS2
A_33_P3308914	6,24493	7,37357	-2,186525237	ENST00000258930	10518	NM_001301224	CIB2
A_21_P0010593	4,28405	5,41271	-2,186555549	N/A	N/A	N/A	XLOC_I2_000727
A_21_P0014592	3,26697	4,39564	-2,186570705	N/A	101926887	XR_424161	LOC101926887
A_22_P00008545	2,34153	3,47041	-2,186889007	N/A	N/A	N/A	Inc-KCNMB1-3
A_22_P00000448	1,4206	2,54965	-2,187146714	ENST00000520930	N/A	XR_171051	N/A
A_33_P3370094	8,07776	9,2071	-2,187586403	ENST00000360490	4311	NM_007289	MME
A_22_P00020546	7,85703	8,98657	-2,187889688	ENST00000563190	N/A	N/A	N/A
A_33_P3384058	2,50614	3,6358	-2,188071679	ENST00000272164	7483	NM_003395	WNT9A
A_33_P3303212	2,85552	3,98541	-2,188420537	ENST00000468650	90557	NM_001258304	CCDC74A
A_24_P910060	2,13115	3,26173	-2,189467447	ENST00000397390	N/A	N/A	N/A
A_21_P0005162	4,36073	5,49133	-2,1894978	N/A	102725470	N/A	LOC102725470
A_19_P00322523	1,60132	2,73211	-2,189786171	ENST00000514844	643401	BC101438	LINC01021
A_33_P3319580	2,21335	3,34422	-2,189907602	N/A	N/A	AK097459	N/A
A_33_P3230594	7,48937	8,6203	-2,18999868	ENST00000480799	100507547	NR_037169	LOC100507547
A_33_P3402918	10,3264	11,4581	-2,191167845	ENST00000601816	11284	NM_007254	PNKP
A_32_P103945	9,38863	10,5206	-2,19157796	ENST00000480814	8702	NM_212543	B4GALT4
A_21_P0010618	3,02914	4,16122	-2,191745066	N/A	N/A	N/A	XLOC_I2_000941
A_24_P166311	6,87249	8,00478	-2,192064121	ENST00000523213	63920	NM_022090	ZBED8
A_22_P00013963	2,50507	3,63772	-2,192611182	ENST00000556136	N/A	N/A	N/A
A_23_P330561	3,66267	4,79534	-2,192641578	ENST00000333598	199675	NM_174918	MCEMP1
A_21_P0013733	1,47479	2,60749	-2,192687173	ENST00000415471	256536	NM_174937	TCERG1L
A_33_P3262431	5,1798	6,31269	-2,192975965	ENST00000327813	83999	NM_032045	KREMEN1
A_22_P00005322	1,65489	2,78863	-2,194268392	N/A	N/A	N/A	Inc-DNTT-1
A_33_P3287223	4,8353	5,96927	-2,194618239	ENST00000360534	1803	NM_001935	DPP4
A_33_P3400244	1,46424	2,59828	-2,194724725	ENST00000477903	84838	NM_032752	ZNF496
A_23_P202269	10,5112	11,6454	-2,194968141	ENST00000280772	288	NM_020987	ANK3
A_24_P343255	8,14084	9,27521	-2,195226801	ENST00000332245	116138	NM_057161	KLHDC3
A_22_P00006606	3,26212	4,39674	-2,195607237	ENST00000556024	N/A	N/A	N/A
A_33_P3214899	1,96785	3,10279	-2,196094293	ENST00000367267	127833	NM_001136504	SYT2
A_21_P0001087	4,38921	5,52426	-2,196261743	ENST00000420964	199990	N/A	C1orf86
A_23_P90484	9,87538	11,0113	-2,197586572	ENST00000221431	54938	NM_017827	SARS2
A_24_P208345	8,10492	9,24109	-2,197967417	ENST00000367145	85414	NM_033102	SLC45A3

A_33_P3305023	5,72667	6,86297	-2,198165483	ENST00000569818	51741	NR_120435	WVOX
A_23_P34382	5,03042	6,16686	-2,198378805	ENST00000466454	9629	N/A	CLCA3P
A_23_P118042	3,0051	4,14157	-2,198424519	ENST00000329956	55282	NM_018296	LRRC36
A_21_P0008462	1,5629	2,69979	-2,199064622	N/A	N/A	N/A	Inc-ABCD4-1
A_21_P0006406	2,46873	3,60589	-2,199476215	N/A	N/A	L23866	Inc-F8A2-1
A_21_P0006443	2,55005	3,68746	-2,199857388	ENST00000453902	N/A	N/A	N/A
A_23_P333592	3,8636	5,00134	-2,200360638	ENST00000282282	284306	AK291464	ZNF547
A_22_P00019181	1,4087	2,54645	-2,20037589	N/A	N/A	N/A	Inc-WIBG-1
A_33_P3346801	2,75946	3,89723	-2,200406394	ENST00000561282	90427	NM_001003940	BMF
A_21_P0001701	1,97322	3,11128	-2,200848748	ENST00000417218	N/A	N/A	N/A
A_24_P263310	1,6435	2,78173	-2,2011081	ENST00000558256	283777	NM_182562	FAM169B
A_33_P3323218	5,13455	6,27285	-2,201214901	ENST00000320443	79800	NM_024744	CARF
A_22_P00006215	1,42324	2,56197	-2,201871078	ENST00000441949	101928770	NR_126363	LINC01526
A_21_P0007916	7,23009	8,36909	-2,202283196	ENST00000499499	100289274	XR_172013	DNAJC3-AS1
A_33_P3318841	5,33848	6,4778	-2,202771732	ENST00000606937	401207	NM_001164479	C5orf63
A_24_P238570	3,37508	4,5146	-2,203077123	N/A	N/A	AF384996	N/A
A_22_P00001398	3,11234	4,2519	-2,203138206	ENST00000610785	320	NM_001163	APBA1
A_21_P0008956	1,45963	2,59986	-2,2041616	N/A	N/A	N/A	Inc-CDH5-10
A_33_P3266769	1,44099	2,5813	-2,204283828	ENST00000477576	3973	N/A	LHCGR
A_23_P424561	10,2966	11,4371	-2,204574147	ENST00000220507	171177	NM_133639	RHOV
A_23_P96761	9,77008	10,9107	-2,204757525	ENST00000420607	34	NM_000016	ACADM
A_21_P0003431	3,7902	4,93104	-2,20509376	ENST00000504509	101928223	NR_125889	LOC101928223
A_22_P00013382	1,89803	3,03912	-2,205475907	ENST00000579833	N/A	N/A	N/A
A_21_P0001084	1,41335	2,55498	-2,20630157	ENST00000622411	N/A	XR_430162	N/A
A_24_P152527	5,85063	6,99238	-2,206485092	ENST00000587173	10493	NM_006373	VAT1
A_22_P00012987	3,76889	4,9107	-2,206576859	N/A	N/A	BC039344	Inc-RFC4-1
A_33_P3419785	1,72147	2,86438	-2,208259932	ENST00000368636	664	NM_004052	BNIP3
A_22_P00021971	7,99823	9,14128	-2,208474233	N/A	N/A	AK022253	Inc-EIF4E3-1
A_22_P00004497	1,59475	2,73848	-2,209515421	N/A	N/A	N/A	Inc-CPPED1-1
A_23_P31064	3,51913	4,66288	-2,209546051	ENST00000367963	26002	NM_015529	MOXD1
A_32_P206497	4,55876	5,70252	-2,209561367	ENST00000492679	N/A	AK090684	N/A
A_33_P3224819	9,15224	10,2961	-2,209714527	ENST00000024061	57210	NM_001286646	SLC45A4
A_33_P3215550	3,0159	4,1603	-2,210541777	ENST00000371939	142910	NM_001010939	LIPJ

A_23_P64888	6,14177	7,2862	-2,210587744	ENST00000611256	50839	NM_023921	TAS2R10
A_23_P350396	1,55687	2,70189	-2,211491964	ENST00000445893	1041	NM_001264	CDSN
A_23_P129801	7,42837	8,57341	-2,211522622	ENST00000576359	10966	NM_006822	RAB40B
A_23_P164179	11,2113	12,3565	-2,211767902	ENST00000268957	10140	NM_005749	TOB1
A_23_P104046	7,83886	8,98432	-2,212166538	ENST00000469520	10380	NM_006085	BPNT1
A_22_P00023453	2,39679	3,54225	-2,212166538	N/A	N/A	DB455794	Inc-LRMP-3
A_33_P3297444	11,9532	13,0991	-2,212841318	ENST00000464431	80325	NM_032548	ABTB1
A_33_P3237215	2,52169	3,66771	-2,213025385	ENST00000488079	26261	NM_033506	FBXO24
A_33_P3314436	6,20834	7,35463	-2,213439591	ENST00000481160	64839	NM_001163315	FBXL17
A_21_P0012669	3,90286	5,04951	-2,213991986	N/A	N/A	N/A	XLOC_I2_011151
A_24_P149704	3,7223	4,86912	-2,214252887	ENST00000309989	153090	NM_138709	DAB2IP
A_22_P00001973	4,95343	6,10032	-2,214360326	N/A	N/A	N/A	Inc-BCHE-1
A_24_P280873	9,74518	10,8924	-2,214866894	ENST00000433151	N/A	N/A	N/A
A_21_P0013043	2,21679	3,36413	-2,215051129	N/A	N/A	N/A	XLOC_I2_012748
A_33_P3216517	5,26051	6,40797	-2,215235379	ENST00000373596	10783	XM_005251664	NEK6
A_23_P152782	9,16914	10,3169	-2,215696072	ENST00000538473	3430	NM_005533	IFI35
A_33_P3238157	9,01737	10,166	-2,217032624	ENST00000530254	399687	NM_078471	MYO18A
A_23_P329261	5,36468	6,51337	-2,21712483	ENST00000243457	3759	NM_000891	KCNJ2
A_22_P00007519	3,5076	4,65634	-2,217201671	N/A	N/A	N/A	Inc-H3F3C-3
A_23_P84666	3,22221	4,37135	-2,217816495	ENST00000579020	284161	NM_182569	GDPD1
A_23_P113005	10,6491	11,7984	-2,218062472	ENST00000469878	1942	NM_004428	EFNA1
A_23_P356526	5,43045	6,57996	-2,218385359	ENST00000465634	85363	NM_033092	TRIM5
A_33_P3305620	1,82178	2,97175	-2,219092799	ENST00000461166	25976	NM_001184717	TIPARP
A_23_P38830	4,57788	5,72814	-2,21953891	ENST00000391701	79818	NM_024762	ZNF552
A_33_P3422330	10,0236	11,1747	-2,220831598	ENST00000338591	339451	NM_198317	KLHL17
A_32_P180741	2,04416	3,19554	-2,221262662	ENST00000430929	10188	NM_001010938	TNK2
A_33_P3396807	6,01344	7,16576	-2,222710416	ENST00000371118	84938	NM_032852	ATG4C
A_33_P3378435	3,8451	4,99781	-2,223311356	ENST00000543072	N/A	N/A	N/A
A_23_P18493	9,72693	10,8799	-2,223712074	ENST00000411767	5783	NM_080685	PTPN13
A_23_P58228	2,35939	3,51237	-2,223727487	ENST00000510847	54959	NM_017855	ODAM
A_23_P99226	3,42785	4,58106	-2,224082031	ENST00000537892	23409	NM_012240	SIRT4
A_23_P25155	2,56964	3,72328	-2,224745025	ENST00000551809	53831	NM_020370	GPR84
A_22_P00002221	2,15797	3,31238	-2,22593274	N/A	N/A	N/A	Inc-C10orf10-1

A_23_P2414	1,70895	2,86359	-2,226287635	ENST00000256969	80763	AK311217	SPX
A_23_P146576	2,71231	3,86732	-2,226858672	ENST00000472281	26301	NM_021996	GBGT1
A_24_P923757	7,95691	9,1125	-2,227754105	ENST00000396279	55729	NM_018179	ATF7IP
A_33_P3302681	2,46991	3,62561	-2,22792397	ENST00000455913	7091	N/A	TLE4
A_23_P350617	1,85255	3,00827	-2,227954855	ENST00000257408	152831	NM_175737	KLB
A_33_P3313539	1,44721	2,60304	-2,228124735	N/A	N/A	DB074301	N/A
A_32_P204239	1,66194	2,81806	-2,228572661	N/A	222256	NM_152750	CDHR3
A_23_P145016	10,7742	11,9312	-2,229932437	ENST00000512140	10902	NM_006696	BRD8
A_21_P0011646	1,37884	2,53594	-2,23008701	ENST00000581549	400619	N/A	LINC00511
A_24_P10137	10,6726	11,8297	-2,23008701	ENST00000379359	28984	NM_014059	RGCC
A_23_P93562	7,4648	8,62195	-2,2301643	ENST00000302071	27244	NM_014454	SESN1
A_33_P3305487	7,42071	8,57844	-2,231061063	ENST00000267396	161253	NM_173527	REM2
A_33_P3718269	2,40966	3,56751	-2,231246645	ENST00000517927	406938	AL389942	MIR146A
A_21_P0010727	1,39586	2,55394	-2,231602388	ENST00000489479	2209	N/A	FCGR1A
A_24_P211565	11,2519	12,41	-2,231633324	ENST00000493023	114904	NM_031910	C1QTNF6
A_21_P0005549	2,01525	3,17344	-2,231772545	N/A	N/A	N/A	lnc-SHH-1
A_33_P3338382	2,38201	3,54027	-2,231880834	ENST00000277309	392392	NM_080859	OR1K1
A_33_P3297452	3,72307	4,88146	-2,232081956	ENST00000441860	N/A	N/A	N/A
A_33_P3230583	4,81281	5,97129	-2,232221205	ENST00000376334	642236	NR_033907	LOC642236
A_22_P00010940	2,82001	3,97869	-2,232530678	ENST00000560176	N/A	N/A	N/A
A_24_P301063	6,56779	7,72681	-2,23305688	ENST00000449001	55200	NM_018173	PLEKHG6
A_33_P3270311	1,56471	2,7238	-2,233165232	ENST00000260983	57520	NM_020760	HECW2
A_33_P3289406	7,60267	8,76178	-2,23319619	N/A	91450	NR_026998	LOC91450
A_22_P00004127	2,17085	3,33007	-2,233366469	N/A	101929152	NR_126419	P3H2-AS1
A_22_P00017104	2,81258	3,97191	-2,233536762	N/A	101927832	NR_125393	PAQR9-AS1
A_21_P0012663	2,13924	3,29857	-2,233536762	N/A	N/A	N/A	XLOC_I2_011102
A_21_P0001096	7,21286	8,37226	-2,233645136	N/A	N/A	N/A	lnc-DNAJC11-1
A_23_P207517	8,51166	9,67177	-2,23474466	ENST00000614357	5164	NM_002611	PDK2
A_33_P3354344	2,09954	3,25968	-2,234791131	N/A	646074	NR_024593	POM121L10P
A_23_P215024	8,90121	10,0614	-2,234868584	ENST00000370888	55227	NM_018214	LRRC1
A_22_P00014880	1,75268	2,91298	-2,235038991	ENST00000231656	1044	NM_001804	CDX1
A_23_P118834	10,9034	12,064	-2,235503803	ENST00000423485	7153	NM_001067	TOP2A
A_33_P3343727	2,01198	3,17261	-2,235550289	ENST00000374663	10136	AK308514	CELA3A

A_33_P3209406	1,58667	2,74781	-2,236340707	N/A	83546	NM_001270440	RTBDN
A_33_P3241591	3,31383	4,47507	-2,236495724	N/A	100131864	AK094219	LOC100131864
A_22_P00008911	1,46991	2,63136	-2,236821294	N/A	N/A	N/A	Inc-KLRB1-1
A_21_P0004683	2,57136	3,73335	-2,237658692	ENST00000444229	N/A	N/A	N/A
A_33_P3233025	1,59395	2,75616	-2,237999944	ENST00000380622	92552	NM_001135995	ATXN3L
A_22_P00006956	5,2735	6,43607	-2,238558468	N/A	100130275	NR_033910	TFAP2A-AS1
A_23_P205370	5,05746	6,22004	-2,238573985	ENST00000553883	51676	NM_016150	ASB2
A_21_P0008484	2,28665	3,44926	-2,238620535	ENST00000512901	388011	N/A	LINC01550
A_33_P3229512	4,05015	5,21284	-2,238744674	N/A	100996842	XR_253624	LOC100996842
A_23_P45560	2,06154	3,22423	-2,238744674	ENST00000467482	4935	NM_000273	GPR143
A_33_P3328485	4,47741	5,64091	-2,240001968	ENST00000452786	22807	NM_001079526	IKZF2
A_23_P216108	9,96867	11,1331	-2,241446399	ENST00000265709	286	NM_000037	ANK1
A_33_P3725227	1,58318	2,74763	-2,241477473	ENST00000462395	23242	NM_015198	COBL
A_33_P7838956	8,46974	9,63473	-2,242316613	ENST00000397753	29068	NM_014155	ZBTB44
A_33_P3346473	7,16069	8,32579	-2,242487588	ENST00000527401	51317	NM_001101802	PHF21A
A_33_P3315154	2,47794	3,64323	-2,242782939	N/A	N/A	N/A	N/A
A_23_P153372	8,31227	9,47781	-2,243171617	ENST00000616070	84941	NM_032855	HSH2D
A_23_P309381	9,1708	10,3364	-2,24326491	ENST00000607355	723790	NM_001040874	HIST2H2AA4
A_21_P0007552	1,40111	2,56748	-2,244462512	N/A	N/A	N/A	Inc-C12orf68-1
A_24_P912366	2,02645	3,19289	-2,244571417	ENST00000505231	729830	NM_001109977	FAM160A1
A_19_P00322645	4,40552	5,57199	-2,244618092	ENST00000614987	9252	AK095276	RPS6KA5
A_23_P65983	8,03812	9,20466	-2,244727004	ENST00000569068	92922	NM_033212	CCDC102A
A_23_P145529	7,93349	9,10005	-2,244758123	ENST00000392491	5570	NM_181795	PKIB
A_21_P0011616	1,60088	2,76745	-2,244773682	ENST00000420951	N/A	N/A	N/A
A_22_P00001866	2,61009	3,77686	-2,245084896	ENST00000431983	N/A	N/A	N/A
A_22_P00025313	7,98453	9,15154	-2,245458408	N/A	N/A	XM_006718417	Inc-TCIRG1-1
A_33_P3254096	2,49558	3,66267	-2,245582927	ENST00000260113	51050	NM_015886	PI15
A_24_P110983	6,03777	7,20496	-2,245738584	ENST00000366539	10000	NM_005465	AKT3
A_23_P103486	10,4188	11,5873	-2,247778692	ENST00000469406	1573	NM_000775	CYP2J2
A_21_P0002268	1,62995	2,79878	-2,248292904	N/A	N/A	N/A	Inc-C2orf40-5
A_33_P3341429	1,40242	2,57136	-2,248464335	ENST00000334785	91624	NM_144573	NEXN
A_33_P3265714	2,4842	3,65315	-2,24847992	N/A	285051	NM_173649	C2orf61
A_33_P3386262	10,59	11,7593	-2,249025471	ENST00000301019	81620	NM_030928	CDT1

A_22_P00012300	1,79244	2,96212	-2,249617933	N/A	101928595	XR_243378	LOC101928595
A_21_P0013738	1,33843	2,50832	-2,249945413	N/A	N/A	N/A	XLOC_I2_015315
A_33_P3255631	6,91815	8,08813	-2,250085776	ENST00000599972	284323	NM_001010880	ZNF780A
A_22_P00004401	1,51302	2,6831	-2,250241746	ENST00000508766	N/A	CR740772	N/A
A_24_P303420	5,20109	6,3714	-2,250600517	ENST00000567255	221442	NR_026938	ADCY10P1
A_33_P3386150	1,72264	2,89299	-2,250662917	N/A	100129354	NR_024046	NRADDP
A_23_P5742	4,46817	5,63857	-2,250740921	ENST00000324364	79635	NM_024584	CCDC121
A_22_P00019189	3,10191	4,27243	-2,25092814	ENST00000442440	100505683	NR_109884	LINC01431
A_33_P3232637	2,06278	3,23423	-2,252379616	ENST00000576313	N/A	N/A	N/A
A_32_P202438	2,97663	4,1482	-2,252566972	N/A	N/A	AK025716	N/A
A_22_P00019163	1,50196	2,67412	-2,253488363	ENST00000563553	101927273	NR_110755	LOC101927273
A_33_P3302305	11,1902	12,3624	-2,253550844	ENST00000269980	593	NM_000709	BCKDHA
A_33_P3384432	10,4807	11,6535	-2,254488264	ENST00000487734	7029	NM_001178138	TFDP2
A_21_P0004487	2,36985	3,54267	-2,254519518	N/A	N/A	N/A	Inc-MTRR-4
A_21_P0005033	3,18806	4,36134	-2,255238481	N/A	79940	NR_121612	LINC00472
A_23_P142830	6,3045	7,47839	-2,256192242	ENST00000392771	22925	NM_007366	PLA2R1
A_24_P63030	6,89698	8,07103	-2,256442476	ENST00000272433	94097	NM_144579	SFXN5
A_21_P0006404	3,41071	4,58529	-2,257271573	ENST00000609127	101927528	N/A	LINC01204
A_33_P3395513	2,91454	4,08919	-2,257381099	N/A	9542	AK124504	NRG2
A_21_P0006173	1,74632	2,92104	-2,257490631	ENST00000415801	100506834	NR_049794	LOC100506834
A_33_P3334803	3,12329	4,29807	-2,257584519	N/A	195977	XR_159158	ANTXRL
A_33_P3412975	12,0238	13,1988	-2,25792881	ENST00000622857	147912	NM_175875	SIX5
A_23_P208540	13,476	14,6511	-2,258085323	ENST00000484103	4696	NM_004542	NDUFA3
A_23_P17103	3,66748	4,84286	-2,258523617	ENST00000355053	80705	NM_025244	TSGA10
A_21_P0014847	6,68382	7,85954	-2,259055946	N/A	11068	NR_111913	CYB561D2
A_21_P0012206	2,86873	4,04475	-2,259525753	ENST00000417335	N/A	XR_425277	N/A
A_21_P0008325	2,06202	3,23834	-2,259995657	N/A	N/A	N/A	Inc-SSTR1-3
A_21_P0008121	3,45349	4,62995	-2,260214979	N/A	N/A	N/A	Inc-SOX1-4
A_22_P00010473	1,55904	2,73587	-2,260794718	ENST00000444981	100505683	NR_109884	LINC01431
A_23_P156562	1,67471	2,85172	-2,261076807	ENST00000451294	401262	NM_206922	CRIP3
A_22_P00014262	2,12883	3,30597	-2,26128056	N/A	N/A	N/A	Inc-SEMA6C-1
A_21_P0006250	1,96742	3,14482	-2,26168812	N/A	N/A	N/A	Inc-C9orf38-2
A_33_P3315243	4,60438	5,78218	-2,26231528	ENST00000582530	92340	NM_001164257	PRR29

A_21_P0010814	1,6242	2,80215	-2,26255051	N/A	N/A	N/A	XLOC_I2_001543
A_23_P20427	9,75557	10,9337	-2,262832818	ENST00000251822	23221	NM_015178	RHOBTB2
A_24_P658584	7,34725	8,5256	-2,263177909	ENST00000367467	23328	NM_015278	SASH1
A_24_P201153	7,1177	8,29633	-2,263617192	ENST00000265384	9414	NM_201629	TJP2
A_23_P46149	7,62058	8,79963	-2,264276277	ENST00000366592	7107	NM_003272	GPR137B
A_33_P3383861	1,56568	2,74563	-2,265689246	N/A	646471	NR_024498	LOC646471
A_21_P0002351	1,78158	2,96156	-2,265736361	N/A	N/A	N/A	Inc-AC007557.1.1-2
A_33_P3233560	2,03345	3,21366	-2,266097602	ENST00000368774	7390	N/A	UROS
A_33_P3233819	1,89888	3,07922	-2,266301807	N/A	101929989	XR_424763	LOC101929989
A_22_P00011705	1,48854	2,66948	-2,267244532	N/A	N/A	N/A	Inc-PDZD7-2
A_23_P303833	2,59381	3,77553	-2,26847066	ENST00000423160	6330	NM_174934	SCN4B
A_23_P351844	1,42678	2,60857	-2,268580729	ENST00000368168	910	NM_001764	CD1B
A_22_P00001768	1,54141	2,72329	-2,268722255	N/A	N/A	N/A	Inc-ATP13A4-4
A_21_P0009266	3,43408	4,61619	-2,269083972	ENST00000612725	N/A	N/A	N/A
A_23_P396666	10,8083	11,9908	-2,269697451	ENST00000418039	23102	NM_015079	TBC1D2B
A_22_P00001364	5,27152	6,45408	-2,269791847	N/A	N/A	N/A	Inc-AP001631.10.1-1
A_24_P123119	5,11135	6,29398	-2,26990198	ENST00000231887	1962	NM_001966	EHHADH
A_23_P155539	1,59468	2,77738	-2,270012119	ENST00000344265	5449	NM_000306	POU1F1
A_21_P0009735	5,31798	6,50129	-2,270972128	N/A	102723811	XR_430169	LOC102723811
A_21_P0014808	8,32743	9,51131	-2,271869553	N/A	N/A	N/A	N/A
A_22_P00019756	2,07948	3,26338	-2,271901048	ENST00000441638	N/A	N/A	N/A
A_33_P3299329	1,6638	2,84774	-2,271964039	N/A	N/A	A25969	N/A
A_22_P00016008	1,99174	3,17586	-2,272247522	N/A	N/A	N/A	Inc-TFB2M-2
A_33_P3278122	1,54657	2,73098	-2,272704318	ENST00000459641	N/A	N/A	N/A
A_33_P3576034	5,44534	6,62984	-2,272846102	ENST00000515218	N/A	BX248273	N/A
A_23_P206310	11,3566	12,5412	-2,273003649	ENST00000258180	9764	NM_014732	KIAA0513
A_21_P0010169	2,03105	3,21572	-2,273113938	ENST00000445242	N/A	N/A	N/A
A_24_P194017	10,0414	11,2262	-2,273318776	ENST00000594932	51070	NM_015953	NOSIP
A_21_P0004970	1,74908	2,93397	-2,273460597	N/A	N/A	N/A	Inc-TTLL2-1
A_33_P3367447	7,52282	8,70786	-2,273696986	ENST00000619675	221	NM_001161473	ALDH3B1
A_23_P259741	8,1848	9,37037	-2,274532423	ENST00000417717	6304	NM_002971	SATB1
A_22_P00002179	5,83533	7,0213	-2,275163145	N/A	N/A	N/A	Inc-BTBD19-1
A_24_P386622	5,01593	6,20194	-2,275226226	ENST00000360025	408	NM_004041	ARRB1

A_23_P71503	6,34614	7,53222	-2,275336624	N/A	78998	NR_026785	RHPN1-AS1
A_32_P154053	4,18803	5,37417	-2,275431254	ENST00000498521	285973	NM_173681	ATG9B
A_22_P00013078	6,75514	7,94172	-2,276125332	ENST00000545544	338799	NR_002809	LINC01089
A_22_P00012932	2,66754	3,85416	-2,27618844	ENST00000505930	N/A	N/A	N/A
A_23_P254165	3,02582	4,21269	-2,276582908	ENST00000545871	10742	NM_021785	RAI2
A_23_P151075	13,8295	15,0164	-2,276630249	ENST00000228945	397	NM_001175	ARHGDI8
A_22_P00023694	1,46552	2,65291	-2,27740362	N/A	N/A	N/A	Inc-TGFB3-1
A_21_P0009808	1,95894	3,14664	-2,277893031	N/A	N/A	N/A	Inc-AC012313.1-1
A_33_P3367917	5,93072	7,1189	-2,278651036	ENST00000324677	85464	NM_001282130	SSH2
A_21_P0014482	3,94792	5,13622	-2,278840577	N/A	101927416	NR_121663	LOC101927416
A_21_P0005701	1,47875	2,66707	-2,278872168	N/A	N/A	N/A	Inc-SDCBP-1
A_23_P15305	11,0547	12,2437	-2,279946545	ENST00000446526	5635	NM_002766	PRPSAP1
A_33_P3276364	5,1057	6,29491	-2,280278441	ENST00000485405	51478	AK022929	HSD17B7
A_33_P3403459	7,35498	8,5442	-2,280294246	N/A	55449	NR_023921	DHRS4-AS1
A_33_P3267859	1,95225	3,14147	-2,280294246	ENST00000380373	401666	NM_001005329	OR51A4
A_21_P0009162	2,49072	3,68029	-2,280847516	N/A	440416	XR_424802	CCDC144NL-AS1
A_22_P00002124	2,10313	3,29274	-2,280910756	N/A	N/A	BE561442	Inc-BOLA2B-1
A_33_P3373810	2,36914	3,5591	-2,281464175	ENST00000509139	255187	N/A	LOC255187
A_21_P0014375	5,42532	6,61568	-2,282096819	N/A	N/A	N/A	N/A
A_21_P0004912	1,36932	2,5598	-2,282286646	N/A	102724422	XR_426071	LOC102724422
A_23_P320530	5,04467	6,23535	-2,282603061	ENST00000595687	284323	NM_001010880	ZNF780A
A_23_P252201	7,04475	8,23549	-2,282697993	ENST00000490434	55840	NM_018456	EAF2
A_21_P0013701	1,59059	2,78138	-2,282777107	ENST00000436054	100507540	NR_110952	LINC01504
A_23_P50455	11,126	12,3172	-2,283425942	ENST00000596221	5424	NM_002691	POLD1
A_33_P3384885	6,22223	7,41391	-2,284185789	ENST00000359035	118472	AK091711	ZNF511
A_24_P357647	1,44387	2,63556	-2,284201622	ENST00000274361	256006	NM_001164443	ANKRD31
A_32_P158302	10,2474	11,4391	-2,284217455	ENST00000413744	401397	NR_024412	LINC00998
A_33_P3362331	1,94988	3,14189	-2,28470833	ENST00000400079	245940	NM_001037804	DEFB130
A_33_P3339051	13,1813	14,3737	-2,285326033	ENST00000300811	126299	NM_182498	ZNF428
A_33_P3214625	7,74124	8,93364	-2,285326033	ENST00000262992	8821	NM_003866	INPP4B
A_32_P36046	7,90165	9,09409	-2,285389396	N/A	388969	NM_001013649	C2orf68
A_33_P3290707	8,18189	9,37509	-2,286593638	ENST00000473730	4311	NM_007289	MME
A_21_P0002786	1,46582	2,65915	-2,28679969	ENST00000462835	N/A	N/A	N/A



A_23_P58606	9,43106	10,6244	-2,286815541	ENST00000511683	900	NM_004060	CCNG1
A_22_P00010519	4,55229	5,74573	-2,286974057	N/A	101927172	XR_242411	LOC101927172
A_33_P3302613	1,99678	3,19039	-2,287243558	N/A	79019	XM_005261736	CENPM
A_23_P218827	9,52674	10,7208	-2,287957098	ENST00000264233	10721	NM_199420	POLQ
A_33_P3213029	9,69957	10,8937	-2,288068113	ENST00000584437	54894	NM_017763	RNF43
A_33_P3363168	7,42963	8,62381	-2,288147413	ENST00000269033	85464	NM_001282129	SSH2
A_23_P342744	5,61047	6,80492	-2,288575679	ENST00000604000	128077	NM_153713	LIX1L
A_24_P336584	4,03304	5,22759	-2,288734316	ENST00000605653	83593	NM_182664	RASSF5
A_33_P3567892	5,90409	7,09931	-2,289797471	N/A	26107	AL050263	DKFZP547J0410
A_23_P107454	2,57375	3,76968	-2,290924637	ENST00000580358	83896	NM_031958	KRTAP3-1
A_22_P00011438	1,60713	2,80325	-2,291226367	ENST00000522292	N/A	BX096718	N/A
A_24_P388528	7,72681	8,92332	-2,291845832	ENST00000470633	6480	NM_173216	ST6GAL1
A_22_P00000184	1,60373	2,80025	-2,291861718	N/A	N/A	AK000832	Inc-ABHD16B-1
A_24_P319736	8,05275	9,24936	-2,292004696	ENST00000409517	4211	NM_002398	MEIS1
A_22_P00023397	3,21854	4,41556	-2,292656154	N/A	N/A	N/A	Inc-TMEM159-2
A_23_P6490	8,48581	9,68364	-2,293943726	ENST00000402203	23112	NM_015088	TNRC6B
A_22_P00010647	4,06752	5,26539	-2,294007328	N/A	N/A	N/A	Inc-NEDD4L-2
A_23_P146146	1,88583	3,08449	-2,295263839	ENST00000285393	245972	NM_152565	ATP6V0D2
A_23_P122906	9,12367	10,3226	-2,295693437	ENST00000611706	26053	NM_015570	AUTS2
A_24_P690811	1,38186	2,58085	-2,295788914	ENST00000593569	554235	NM_001024656	ASPDH
A_22_P00021961	1,43441	2,6334	-2,295788914	ENST00000584898	N/A	N/A	N/A
A_21_P0012896	6,32932	7,52831	-2,295788914	N/A	N/A	N/A	XLOC_I2_011987
A_33_P3333960	1,35508	2,55441	-2,296330027	ENST00000447147	100188949	NR_024464	LINC00426
A_23_P155236	1,6329	2,83232	-2,296473284	ENST00000616727	56667	NM_033049	MUC13
A_33_P3235321	6,77813	7,97796	-2,297126012	ENST00000496001	84958	NM_032872	SYTL1
A_21_P0012426	3,1961	4,39624	-2,297619662	N/A	N/A	N/A	XLOC_I2_010063
A_22_P00023379	1,70328	2,90361	-2,297922273	ENST00000569865	N/A	N/A	N/A
A_23_P306610	1,78374	2,98503	-2,299451869	ENST00000379439	140453	NM_001040105	MUC17
A_22_P00020638	1,74975	2,95106	-2,299483746	ENST00000518181	N/A	N/A	N/A
A_23_P161727	1,53307	2,73448	-2,29964314	ENST00000304298	3316	NM_001541	HSPB2
A_22_P00021712	3,1868	4,38844	-2,300009787	N/A	N/A	N/A	Inc-ANKRD13B-2
A_33_P3258346	7,91106	9,11283	-2,300217048	ENST00000576724	54739	NM_017523	XAF1
A_22_P00009097	2,58215	3,78406	-2,300440273	N/A	N/A	N/A	Inc-LIAS-1

A_23_P63432	9,40617	10,6081	-2,300472164	ENST00000289248	54933	NM_017821	RHBDL2
A_22_P00007651	4,69035	5,89281	-2,30131744	N/A	115110	NR_037844	LOC115110
A_33_P3334515	11,1373	12,3398	-2,301381246	ENST00000556147	57447	NM_001282213	NDRG2
A_22_P00014274	3,62041	4,82305	-2,301604585	ENST00000438676	100506804	NR_040081	LOC100506804
A_21_P0003182	1,64854	2,85129	-2,30178008	N/A	N/A	N/A	Inc-ZIC4-1
A_23_P35316	1,96495	3,16785	-2,302019413	ENST00000339986	57116	NM_020394	ZNF695
A_23_P211973	5,84921	7,05232	-2,302354522	ENST00000510474	79858	NM_024800	NEK11
A_23_P344578	1,45108	2,65426	-2,302466235	ENST00000542071	158297	NM_153707	FAM154A
A_22_P00005127	1,40925	2,61253	-2,302625836	N/A	100507524	NR_037901	ARHGEF26-AS1
A_22_P00003535	1,44123	2,64462	-2,302801409	N/A	101928864	XR_244659	LOC101928864
A_32_P66881	6,74437	7,94804	-2,303248383	N/A	7099	NM_138554	TLR4
A_22_P00011433	1,61089	2,8151	-2,304110649	ENST00000455699	283011	NR_026835	FLJ37201
A_22_P00000644	1,57734	2,78186	-2,304605799	ENST00000570859	N/A	N/A	N/A
A_33_P3243168	10,499	11,7037	-2,304893355	N/A	7593	NM_198055	MZF1
A_23_P153964	1,57335	2,77857	-2,305724272	ENST00000295228	3625	NM_002193	INHBB
A_22_P00011823	4,67089	5,87631	-2,306043936	ENST00000515627	101927934	NR_105045	LOC101927934
A_33_P3396766	6,08139	7,28698	-2,306315684	N/A	N/A	BC068076	N/A
A_33_P3635136	5,29002	6,4958	-2,306619441	N/A	N/A	BF346224	N/A
A_33_P3282963	4,18254	5,38833	-2,30663543	N/A	N/A	N/A	N/A
A_21_P0000723	2,31177	3,51784	-2,307083148	N/A	100616530	NR_038208	C8orf37-AS1
A_33_P3401156	3,15812	4,36433	-2,307307039	ENST00000399357	2115	NM_004956	ETV1
A_33_P3271273	5,38854	6,59483	-2,307434987	ENST00000571287	3212	NM_002145	HOXB2
A_23_P39116	10,3878	11,5945	-2,308090831	ENST00000601091	3978	NM_000234	LIG1
A_21_P0010696	3,79174	4,99883	-2,308714856	ENST00000420503	29092	NR_109762	LINC00339
A_23_P155688	1,38992	2,59722	-2,309050939	ENST00000616980	6691	NM_021114	SPINK2
A_33_P3420757	2,27962	3,48706	-2,309275021	ENST00000440832	361	NM_001650	AQP4
A_33_P3402931	1,47417	2,68178	-2,309547151	ENST00000427185	389549	NM_001024613	FEZF1
A_23_P373687	5,74895	6,95668	-2,309739262	ENST00000407787	150962	NM_144709	PUS10
A_24_P219808	11,4656	12,6734	-2,309851334	ENST00000598325	53635	NM_017432	PTOV1
A_33_P3276693	8,93235	10,1406	-2,310571926	ENST00000555567	5228	NM_002632	PGF
A_22_P00010011	1,50587	2,71494	-2,311885584	ENST00000470024	N/A	N/A	N/A
A_24_P104538	7,43681	8,64605	-2,312158021	ENST00000579873	N/A	XM_006721770	N/A
A_22_P00024757	1,96071	3,17032	-2,312751083	N/A	N/A	DQ786279	Inc-KIAA0195-1

A_23_P201279	9,64486	10,8548	-2,313280159	ENST00000343090	10277	NM_006048	UBE4B
A_33_P3389649	7,64734	8,85736	-2,313408438	ENST00000502575	5144	NM_001197218	PDE4D
A_23_P166823	9,61379	10,824	-2,313713129	ENST00000461086	7134	NM_003280	TNNC1
A_32_P59302	7,88818	9,0985	-2,313889548	ENST00000372583	59269	NM_024503	HIVEP3
A_24_P218688	8,70517	9,91595	-2,314627444	ENST00000615463	221	NM_000694	ALDH3B1
A_24_P3045	4,5626	5,77347	-2,314771842	ENST00000471191	843	NM_032974	CASP10
A_32_P394951	5,91473	7,1258	-2,31509276	ENST00000270235	126147	XM_006723011	NTN5
A_21_P0014408	2,97226	4,18334	-2,315108807	N/A	100506384	NR_040513	LOC100506384
A_33_P3384642	1,60593	2,81741	-2,315750781	ENST00000375958	2073	N/A	ERCC5
A_23_P124300	1,73858	2,9501	-2,315814988	ENST00000563804	53630	NM_017429	BCO1
A_22_P00023407	2,50932	3,72105	-2,316152105	N/A	N/A	N/A	Inc-DLL1-3
A_21_P0000011	7,01634	8,22809	-2,316184213	ENST00000413459	51005	NM_001145815	AMDHD2
A_33_P3386671	3,03143	4,24334	-2,316441101	ENST00000356728	6097	NM_005060	RORC
A_23_P115022	8,76872	9,98137	-2,317629575	ENST00000432792	128218	NM_144626	TMEM125
A_22_P00000763	1,98719	3,19992	-2,317758095	N/A	N/A	N/A	Inc-ADCY7-1
A_33_P3266928	9,54146	10,7544	-2,318095495	ENST00000600059	114783	NM_001080434	LMTK3
A_23_P148807	8,68475	9,89781	-2,318288317	ENST00000428239	8317	NM_003503	CDC7
A_33_P3215948	13,957	15,1704	-2,318834732	N/A	10205	NM_005797	MPZL2
A_21_P0012516	2,70507	3,91862	-2,319075839	ENST00000490001	100996490	NR_104146	LINC01206
A_23_P30243	12,345	13,5588	-2,319477739	ENST00000513084	64167	NM_022350	ERAP2
A_22_P00014844	1,51019	2,72401	-2,319509894	ENST00000389554	10716	NM_006593	TBR1
A_21_P0012517	1,41851	2,63279	-2,320249582	ENST00000482787	100996490	NR_104146	LINC01206
A_33_P3327010	1,50383	2,71812	-2,320265665	ENST00000372008	23139	NM_015112	MAST2
A_19_P00324550	1,91686	3,13133	-2,320555174	ENST00000424720	50614	NM_001122636	GALNT9
A_22_P00013240	3,33259	4,5474	-2,321102124	N/A	100507283	NR_103862	LOC100507283
A_22_P00016739	1,70509	2,92001	-2,321279106	N/A	N/A	N/A	Inc-TREX1-2
A_33_P3296099	1,50367	2,7186	-2,321295196	N/A	N/A	N/A	N/A
A_24_P240259	1,56725	2,78273	-2,322180314	ENST00000264676	79782	NM_024727	LRR31
A_21_P0003410	1,59543	2,81091	-2,322180314	ENST00000513400	102724953	N/A	LOC102724953
A_33_P3400477	8,13289	9,34842	-2,322260796	ENST00000418131	6491	NM_001282936	STIL
A_33_P3265016	9,24524	10,4608	-2,322309087	ENST00000244546	5190	NM_000287	PEX6
A_33_P3354940	4,84691	6,06249	-2,322341281	ENST00000329608	1435	NM_000757	CSF1
A_23_P38864	12,7092	13,9248	-2,322373476	ENST00000222008	10567	NM_006423	RABAC1

A_24_P382489	11,5445	12,7601	-2,322373476	ENST00000594962	376497	XM_006722749	SLC27A1
A_23_P351667	3,17865	4,39447	-2,322727647	ENST00000374415	8745	NM_003812	ADAM23
A_24_P756766	1,57691	2,79275	-2,322759847	ENST00000420162	146822	NM_001007530	CDRT15
A_22_P00021687	2,63426	3,85019	-2,322904753	N/A	N/A	DB061137	Inc-SPTBN5-1
A_24_P207479	10,1344	11,3506	-2,323339525	ENST00000593804	162989	NM_133328	DEDD2
A_21_P0000005	1,4052	2,62163	-2,32370995	ENST00000399154	219537	NM_001105565	SMTNL1
A_24_P238250	9,8399	11,0564	-2,3238227	ENST00000600304	3963	NM_002307	LGALS7
A_21_P0014551	1,57852	2,79508	-2,323919347	N/A	N/A	N/A	Inc-BAZ1A-1
A_22_P00011510	1,55448	2,77108	-2,323983781	ENST00000569583	N/A	BC031693	N/A
A_19_P00320343	2,77603	3,99279	-2,324241533	N/A	100507403	XR_426301	LOC100507403
A_21_P0011707	5,28184	6,49896	-2,32482158	N/A	N/A	N/A	XLOC_I2_006797
A_22_P00013747	2,34266	3,55981	-2,324869924	N/A	N/A	N/A	Inc-RP11-863N1.2.1-3
A_33_P3225507	4,34267	5,56029	-2,325627442	ENST00000612164	26534	NM_001005466	OR10G2
A_23_P381368	1,94442	3,16248	-2,326336831	ENST00000490088	3236	NM_002148	HOXD10
A_24_P341674	1,70562	2,92402	-2,326885143	ENST00000555844	1734	NM_013989	DIO2
A_22_P00005428	1,45928	2,67919	-2,329321858	ENST00000515364	N/A	N/A	N/A
A_24_P418044	13,1583	14,3784	-2,329628645	ENST00000462773	3137	NR_024240	HLA-J
A_22_P00019245	1,41168	2,63184	-2,329725533	N/A	101928696	NR_121196	LOC101928696
A_23_P29067	5,06621	6,28641	-2,329790128	ENST00000398585	7113	NM_005656	TMPRSS2
A_22_P00001524	1,68679	2,90727	-2,33024234	N/A	N/A	BX646148	Inc-ARHGAP26-4
A_21_P0006020	1,39901	2,6197	-2,330581557	ENST00000455583	N/A	N/A	N/A
A_21_P0006900	1,41834	2,63903	-2,330581557	N/A	N/A	N/A	Inc-GOLGA7B-2
A_21_P0008723	2,14275	3,3635	-2,330678485	N/A	N/A	N/A	Inc-RASGRP1-4
A_21_P0007966	1,44186	2,66269	-2,330807729	N/A	101409253	N/A	LINC00676
A_22_P00009838	1,64674	2,86769	-2,331001609	N/A	N/A	N/A	Inc-METTL13-1
A_23_P22350	7,38589	8,60722	-2,331615666	ENST00000503702	65983	NM_023927	GRAMD3
A_33_P3404435	1,59753	2,81901	-2,331858101	ENST00000319104	81790	NM_001160224	RNF170
A_33_P3219527	2,20866	3,43118	-2,333539681	N/A	219790	AK096671	RTKN2
A_22_P00022498	3,3749	4,59749	-2,333652908	N/A	N/A	BC036589	Inc-NAA16-2
A_21_P0006004	1,41906	2,64226	-2,334639831	ENST00000449144	N/A	N/A	N/A
A_21_P0003233	2,57633	3,79972	-2,334947319	N/A	101929223	XR_245231	LOC101929223
A_21_P0013142	1,72988	2,95335	-2,335076799	N/A	100289683	BC021996	ERVH-3
A_22_P00005394	2,79467	4,01861	-2,335837642	N/A	284835	NR_024100	LINC00323

A_33_P3370848	4,45759	5,68162	-2,335983364	ENST00000619399	2116	NM_014209	ETV2
A_23_P50291	1,72036	2,94439	-2,335983364	ENST00000591589	50700	NM_015725	RDH8
A_21_P0005774	1,61544	2,84035	-2,337408677	N/A	N/A	N/A	Inc-DENND3-1
A_21_P0012036	1,65465	2,87962	-2,33750589	ENST00000419243	101927641	NR_110270	LOC101927641
A_22_P00005607	1,7092	2,93421	-2,3375707	N/A	N/A	AA262526	Inc-EFR3B-4
A_22_P00008010	1,61495	2,8407	-2,338770015	N/A	N/A	BU561518	Inc-IFNK-2
A_33_P3395743	11,952	13,1778	-2,338851072	ENST00000338660	64856	NM_022834	VWA1
A_33_P3347055	8,974	10,2001	-2,339337473	ENST00000588843	N/A	N/A	N/A
A_33_P3390097	1,6268	2,85324	-2,33988885	N/A	N/A	N/A	N/A
A_21_P0008361	3,03165	4,25829	-2,34021325	N/A	N/A	N/A	Inc-NRXN3-1
A_23_P103601	6,38717	7,61395	-2,340440356	ENST00000263979	57134	NM_020379	MAN1C1
A_23_P60146	4,10623	5,33347	-2,341186719	ENST00000541323	5157	NM_006207	PDGFRL
A_33_P3295056	4,62237	5,85041	-2,342485309	ENST00000616321	5790	NM_005608	PTPRCAP
A_33_P3355252	2,27255	3,50065	-2,342582732	ENST00000379526	N/A	N/A	N/A
A_21_P0008376	1,47248	2,70066	-2,342712636	N/A	N/A	N/A	Inc-CALM1-2
A_33_P3880078	1,69862	2,92715	-2,343281051	ENST00000423875	100133308	NR_024472	RSU1P2
A_21_P0008085	1,46435	2,69292	-2,343346021	N/A	N/A	N/A	Inc-SCEL-2
A_33_P3373459	10,1374	11,3661	-2,343557188	ENST00000618655	55501	NM_018641	CHST12
A_33_P3356821	1,47405	2,70345	-2,344694565	ENST00000607093	353133	NM_178351	LCE1C
A_23_P98092	12,4644	13,694	-2,345019631	ENST00000368845	4942	NM_000274	OAT
A_21_P0005749	1,51883	2,74857	-2,345247204	N/A	N/A	N/A	Inc-TTC35-1
A_22_P00023149	1,91045	3,14031	-2,345442284	ENST00000533082	N/A	N/A	N/A
A_24_P120734	1,5316	2,7615	-2,345507315	N/A	84847	NR_038407	LINC00525
A_21_P0003859	1,64375	2,87367	-2,345539831	N/A	N/A	N/A	Inc-CLCN3-4
A_23_P170213	2,419	3,64952	-2,346515516	ENST00000368416	154215	NM_001040214	NKAIN2
A_33_P3262181	7,60874	8,83994	-2,347621783	ENST00000494150	200316	NM_001006666	APOBEC3F
A_23_P74309	4,84325	6,07536	-2,349103046	ENST00000530878	9722	NM_014697	NOS1AP
A_33_P3312222	2,74798	3,98026	-2,349379869	ENST00000512357	N/A	N/A	N/A
A_33_P3337896	5,61731	6,84967	-2,34951015	ENST00000479369	N/A	AK024906	N/A
A_33_P3228450	12,6949	13,9276	-2,350063924	ENST00000435734	5349	NM_001136007	FXD3
A_23_P133068	2,41346	3,64626	-2,350226824	ENST00000394537	287	NM_001148	ANK2
A_23_P155765	12,6895	13,9224	-2,350389735	ENST00000511316	3148	NM_002129	HMGB2
A_33_P3376234	6,65256	7,88584	-2,351008899	ENST00000369604	10745	NM_006608	PHTF1

A_23_P77756	1,67369	2,90715	-2,351302245	ENST00000329003	8811	NM_003857	GALR2
A_33_P3303291	3,70634	4,94027	-2,352068375	ENST00000557253	11035	NM_006871	RIPK3
A_24_P39195	1,74154	2,97553	-2,352166197	ENST00000298440	27199	NM_080818	OXGR1
A_19_P00317054	3,09905	4,33344	-2,352818446	N/A	101927777	NR_125803	SATB1-AS1
A_22_P00017752	2,39489	3,6295	-2,35317726	N/A	N/A	DB452462	Inc-YIF1A-4
A_33_P3380793	1,49333	2,72796	-2,353209882	ENST00000405854	348645	NM_001289922	C22orf34
A_21_P0012803	7,34208	8,57676	-2,35329144	ENST00000506645	100507639	N/A	LOC100507639
A_23_P200829	10,6256	11,8604	-2,353487189	ENST00000573034	23380	NM_015326	SRGAP2
A_22_P00025825	3,72328	4,95821	-2,353699269	N/A	N/A	N/A	Inc-TMEM99-4
A_21_P0004411	1,42205	2,65751	-2,354564102	N/A	N/A	N/A	Inc-ZNF366-4
A_23_P11859	7,65914	8,89636	-2,35743828	ENST00000494450	51478	NM_016371	HSD17B7
A_33_P3226008	4,27932	5,51671	-2,357716085	ENST00000495418	257144	NM_001190259	GCSAM
A_21_P0000118	3,93569	5,17342	-2,358271793	ENST00000477399	389170	NM_001193283	LEKR1
A_21_P0000214	2,14171	3,37971	-2,358713185	ENST00000580755	26809	NR_000014	SNORD42A
A_23_P73345	4,71545	5,95359	-2,358942087	ENST00000461014	4286	NM_198159	MITF
A_33_P3211618	2,93124	4,16972	-2,359498084	N/A	N/A	AK024389	N/A
A_21_P0012915	2,34522	3,58391	-2,35984156	N/A	N/A	N/A	XLOC_I2_012135
A_22_P00002301	1,56022	2,79896	-2,359923347	N/A	N/A	N/A	Inc-C11orf16-1
A_33_P3233956	1,46809	2,70711	-2,360381408	N/A	100507244	NR_040076	MAMDC2-AS1
A_33_P3409631	1,35932	2,5985	-2,360643197	N/A	N/A	N/A	N/A
A_24_P45367	9,74938	10,9887	-2,360872287	ENST00000003912	57185	NM_020448	NIPAL3
A_21_P0002064	2,89675	4,1362	-2,361085033	ENST00000457870	N/A	N/A	N/A
A_33_P3358863	2,07665	3,31622	-2,36128143	N/A	100287823	XM_006710226	LOC100287823
A_23_P114740	11,6995	12,9391	-2,361330532	ENST00000466229	3075	NM_000186	CFH
A_33_P3421118	8,63509	9,87483	-2,361559688	ENST00000367746	53832	AK098312	IL20RA
A_22_P00009079	1,41568	2,65571	-2,362034439	ENST00000598304	400696	BC128606	LGALS17A
A_24_P187859	1,75952	2,99974	-2,362345535	N/A	23107	AK095964	MRPS27
A_23_P301572	1,63377	2,87427	-2,362804066	ENST00000265018	27146	NM_015688	FAM184B
A_24_P301629	6,66608	7,90681	-2,363180784	ENST00000590615	7711	NM_003445	ZNF155
A_21_P0006293	1,96551	3,2063	-2,363279068	ENST00000423380	N/A	XR_108974	N/A
A_21_P0001428	5,36914	6,61019	-2,363705012	N/A	N/A	N/A	Inc-AC092811.1-1
A_24_P218805	1,97119	3,21305	-2,365032485	ENST00000511575	3226	NM_017409	HOXC10
A_32_P7015	9,81688	11,0593	-2,36595068	ENST00000373290	23555	NM_012339	TSPAN15

A_23_P4190	10,6171	11,8599	-2,366573944	ENST00000511147	80221	NM_025149	ACSF2
A_23_P70249	7,51525	8,75811	-2,366672369	ENST00000323760	995	NM_001790	CDC25C
A_33_P3340229	1,59042	2,8338	-2,367525558	N/A	N/A	N/A	N/A
A_23_P391689	12,6035	13,8471	-2,367886615	ENST00000601829	100131801	NM_001171155	PET100
A_24_P225534	8,27078	9,51442	-2,367952268	ENST00000289248	54933	NM_017821	RHBDL2
A_33_P3229702	3,37269	4,61645	-2,368149237	ENST00000573440	117166	NM_053284	WFIKKN1
A_22_P00010087	1,44605	2,69044	-2,369183592	N/A	102723403	XR_424224	LOC102723403
A_33_P3409665	5,24431	6,48875	-2,369265703	ENST00000400242	9681	NM_001007188	DEPDC5
A_22_P00020735	1,63106	2,87562	-2,369462782	ENST00000579247	N/A	XR_243856	N/A
A_33_P3265244	1,39541	2,64035	-2,370086971	ENST00000418316	346517	NM_001001667	OR6V1
A_19_P00811940	2,81234	4,05752	-2,37048128	N/A	N/A	N/A	Inc-SLC35A5-1
A_22_P00014158	1,51994	2,76554	-2,371171479	N/A	N/A	BC040304	Inc-SCOC-1
A_21_P0014888	5,00603	6,25206	-2,37187832	N/A	N/A	N/A	N/A
A_22_P00025049	4,42913	5,67522	-2,371976966	ENST00000418066	307	DB179679	ANXA4
A_21_P0001718	6,19528	7,44162	-2,372388034	N/A	N/A	N/A	Inc-WRAP73-1
A_22_P00000225	3,0545	4,30092	-2,372519591	N/A	404744	NR_033664	NPSR1-AS1
A_23_P8416	8,20787	9,4544	-2,372700493	ENST00000434507	63917	NM_022087	GALNT11
A_33_P3214466	3,55067	4,79745	-2,373111686	ENST00000300057	55897	NM_018670	MESP1
A_22_P00021719	1,51981	2,76685	-2,373539403	N/A	100862662	NR_046383	ALDH1L1-AS2
A_22_P00008383	1,60136	2,84859	-2,373852014	ENST00000532272	N/A	DA742716	N/A
A_22_P00003958	1,46298	2,71032	-2,374033018	N/A	N/A	N/A	Inc-CHAF1B-3
A_21_P0008830	1,37941	2,62681	-2,374131753	N/A	N/A	N/A	Inc-RPLP1-1
A_23_P42144	10,0985	11,3459	-2,374131753	ENST00000304611	5190	NM_000287	PEX6
A_21_P0011895	2,62632	3,87384	-2,374329236	ENST00000426962	102723927	N/A	LOC102723927
A_23_P5703	2,5458	3,79351	-2,374641951	ENST00000333017	254773	NM_175735	LYG2
A_33_P3268863	1,34862	2,59646	-2,374855938	ENST00000317019	283171	NM_001271983	C11orf44
A_21_P0009350	1,67507	2,92331	-2,375514479	N/A	N/A	N/A	Inc-ABCA8-2
A_33_P3237775	9,71296	10,9619	-2,376667365	ENST00000407404	10062	NM_005693	NR1H3
A_33_P3358740	11,6579	12,9071	-2,377095723	N/A	114881	NM_145798	OSBPL7
A_23_P203920	8,17368	9,42335	-2,377870257	ENST00000242729	8082	NM_005086	SSPN
A_23_P64721	12,4717	13,7214	-2,377919704	ENST00000528880	8843	NM_006018	HCAR3
A_24_P17870	6,49462	7,74432	-2,377919704	N/A	10866	NR_040662	HCP5
A_23_P8108	2,36742	3,61737	-2,378331802	ENST00000475182	3119	NM_001243962	HLA-DQB1

A_33_P3295077	3,4373	4,6878	-2,379238668	N/A	N/A	N/A	N/A
A_23_P104876	8,34998	9,60093	-2,379980907	ENST00000524614	53340	NM_017425	SPA17
A_33_P3317576	6,26889	7,51993	-2,380129383	ENST00000394221	200895	NM_001195643	DHFRL1
A_22_P00019354	1,73679	2,98788	-2,380211873	N/A	101927808	NR_108084	CLSTN2-AS1
A_23_P42909	9,2778	10,5295	-2,381218487	ENST00000409244	135932	NM_153345	TMEM139
A_33_P3228466	9,18185	10,4339	-2,381796244	ENST00000605677	5349	NM_001136008	FXYD3
A_23_P66017	4,5737	5,82594	-2,382109942	ENST00000300797	112476	NM_145239	PRRT2
A_21_P0010424	1,59765	2,84992	-2,382159478	N/A	N/A	N/A	Inc-FAM19A5-6
A_21_P0013814	9,7656	11,018	-2,382374142	N/A	N/A	N/A	XLOC_I2_015722
A_23_P138706	1,72018	2,97268	-2,382539281	ENST00000280155	150	NM_000681	ADRA2A
A_33_P3392882	1,99292	3,24542	-2,382539281	ENST00000409213	344148	NM_207481	NCKAP5
A_21_P0013999	1,3832	2,6359	-2,382869594	N/A	N/A	N/A	N/A
A_23_P145	10,4939	11,7466	-2,382869594	ENST00000374487	3155	NM_000191	HMGCL
A_33_P3285799	1,71735	2,97018	-2,383084322	ENST00000355283	221264	AK131244	AK9
A_33_P3461039	2,76256	4,01548	-2,383232991	N/A	N/A	AK055712	Inc-MTERFD3-1
A_24_P388433	8,37276	9,62665	-2,384835903	ENST00000264977	5523	NM_002718	PPP2R3A
A_33_P3309206	1,59156	2,84583	-2,385464142	ENST00000556166	2562	NR_103801	GABRB3
A_33_P3281403	1,44585	2,70085	-2,386671486	ENST00000367024	80342	NM_001287754	TRAF3IP3
A_23_P201863	6,63305	7,88818	-2,386886557	ENST00000484080	5129	NM_212503	CDK18
A_21_P0010395	1,33858	2,59381	-2,387052009	N/A	N/A	N/A	Inc-GNAZ-1
A_24_P167970	5,26158	6,51707	-2,387482238	ENST00000567664	6911	NM_004608	TBX6
A_33_P3349259	6,17906	7,43456	-2,387498787	ENST00000414990	9747	NM_014719	TCAF1
A_22_P00003386	1,33732	2,593	-2,387796685	N/A	101926948	XR_242548	LOC101926948
A_33_P3402217	8,92779	10,1835	-2,387846339	ENST00000589357	N/A	N/A	N/A
A_21_P0011442	1,6239	2,88012	-2,388690603	N/A	N/A	N/A	XLOC_I2_005245
A_23_P125082	4,51926	5,77554	-2,388789948	ENST00000393593	3660	NM_002199	IRF2
A_22_P00013666	2,90968	4,16645	-2,38960142	N/A	N/A	XM_006726536	Inc-RP11-680F20.5.1-2
A_33_P3408702	2,96918	4,22605	-2,38976706	ENST00000504117	285600	N/A	KIAA0825
A_23_P250478	6,19738	7,45436	-2,389949278	ENST00000379162	5165	NM_005391	PDK3
A_21_P0004694	1,68655	2,94358	-2,390032109	ENST00000446392	N/A	N/A	N/A
A_23_P215900	11,4603	12,7178	-2,390810858	ENST00000301904	51435	NM_016240	SCARA3
A_22_P00025586	1,53844	2,79603	-2,390960009	N/A	101928017	NR_110078	UBXN10-AS1
A_33_P3359763	2,0039	3,26193	-2,391689327	ENST00000466317	201163	AL831885	FLCN



A_32_P28223	7,20496	8,46303	-2,391755639	N/A	101928837	NR_120561	LOC101928837
A_22_P00006707	1,594	2,85213	-2,391855112	N/A	N/A	N/A	Inc-FRK-1
A_21_P0001141	1,63192	2,89033	-2,392319371	ENST00000423187	N/A	N/A	N/A
A_21_P0014150	4,11051	5,36976	-2,393712689	N/A	101928489	NR_110889	LOC101928489
A_21_P0011018	2,74058	3,99988	-2,393795651	N/A	101928620	XR_246466	LOC101928620
A_33_P3768992	1,64132	2,90078	-2,394061146	ENST00000319675	138009	NM_152418	DCAF4L2
A_21_P0005369	2,00487	3,26463	-2,394559028	N/A	N/A	N/A	Inc-GARS-4
A_33_P3321369	6,21611	7,47593	-2,394658617	ENST00000558641	N/A	XR_109231	N/A
A_21_P0003087	1,41069	2,67057	-2,394758211	N/A	N/A	N/A	Inc-FAM43A-9
A_22_P00009992	4,07928	5,33945	-2,395239636	ENST00000587700	5990	AK056073	RFX2
A_23_P44112	9,39304	10,6533	-2,395389063	ENST00000395456	27040	NM_014387	LAT
A_33_P3227944	5,9162	7,17674	-2,395854008	ENST00000586362	147081	NR_026906	CRHR1-IT1
A_24_P400573	1,66425	2,92505	-2,396285824	ENST00000589691	147138	NM_152468	TMC8
A_23_P256784	7,33147	8,5927	-2,397000151	N/A	4583	NM_002457	MUC2
A_33_P3264955	9,97934	11,2408	-2,397382321	N/A	N/A	N/A	N/A
A_21_P0007280	2,747	4,00909	-2,398429445	N/A	N/A	N/A	Inc-CXCR5-1
A_22_P00000349	1,74488	3,0071	-2,398645575	ENST00000554649	N/A	N/A	N/A
A_22_P00011385	2,21057	3,47286	-2,398761961	N/A	553103	NR_110997	LOC553103
A_23_P47704	7,07935	8,34175	-2,398944864	ENST00000310473	7351	NM_003355	UCP2
A_22_P00004055	1,46522	2,72775	-2,399161041	N/A	N/A	BG541773	Inc-CHST2-4
A_21_P0000928	5,42671	6,68928	-2,399227561	ENST00000449660	115110	NR_037844	LOC115110
A_33_P3413855	3,63554	4,89829	-2,399526922	ENST00000297145	154743	NM_152556	C7orf60
A_33_P3337277	5,46251	6,72538	-2,399726518	N/A	100129846	AK124859	LOC100129846
A_23_P346093	6,24433	7,50738	-2,400025942	ENST00000589691	147138	NM_152468	TMC8
A_22_P00025807	2,5404	3,80349	-2,400092486	ENST00000523331	N/A	DB271563	N/A
A_23_P89509	11,2814	12,5447	-2,400441871	ENST00000580676	10615	NM_006461	SPAG5
A_21_P0000002	1,46157	2,72504	-2,400724743	N/A	414149	NM_001039844	ACBD7
A_23_P397293	10,995	12,2585	-2,400774666	ENST00000292430	54742	NM_017527	LY6K
A_33_P3363637	6,45613	7,7198	-2,401057578	ENST00000413476	29760	NM_013314	BLNK
A_22_P00007919	1,45846	2,72241	-2,401523623	ENST00000455966	101928043	NR_110692	LOC101928043
A_33_P3243618	5,92927	7,19427	-2,403272099	ENST00000366591	7107	NM_003272	GPR137B
A_33_P3240148	1,60086	2,86594	-2,403405368	N/A	100131101	AK127068	LOC100131101
A_33_P3334384	5,22232	6,48749	-2,403555305	N/A	100132774	NR_033827	KDM4A-AS1

A_23_P103756	6,25702	7,52282	-2,404605126	ENST00000369732	5016	NM_002557	OVGP1
A_24_P166443	1,77418	3,04031	-2,405155214	ENST00000402095	3115	NM_002121	HLA-DPB1
A_33_P3271176	1,64909	2,91539	-2,405438643	N/A	100130057	AK128528	LOC100130057
A_23_P4944	10,5183	11,7854	-2,406772871	ENST00000486500	808	NM_005184	CALM3
A_33_P3306202	5,07762	6,34478	-2,406872968	ENST00000497769	653602	NM_001291410	LOC653602
A_33_P3381966	1,52384	2,79131	-2,407390202	N/A	100129311	AK127597	LOC100129311
A_22_P00007597	3,318	4,58557	-2,407557075	N/A	101926895	NR_120372	CRTC3-AS1
A_23_P69908	9,93717	11,2048	-2,407657205	ENST00000507412	2745	NM_002064	GLRX
A_21_P0003797	3,86133	5,12961	-2,408742209	N/A	N/A	N/A	Inc-SCRG1-1
A_23_P28485	9,54788	10,8163	-2,408975966	ENST00000487445	25801	NM_012198	GCA
A_22_P00009302	2,9624	4,23117	-2,409560458	ENST00000578478	N/A	N/A	N/A
A_33_P3259865	4,0291	5,29796	-2,409710779	ENST00000521244	400798	NR_033186	C1orf220
A_23_P416468	9,92819	11,1971	-2,409794295	ENST00000559239	80119	NM_025049	PIF1
A_33_P3409159	8,29475	9,56387	-2,410145092	ENST00000406686	63027	NM_015482	SLC22A23
A_21_P0000356	4,67555	5,94553	-2,411582224	N/A	677780	NR_003012	SCARNA11
A_22_P00013791	1,38481	2,65497	-2,411883127	ENST00000521242	N/A	N/A	N/A
A_23_P150857	6,84781	8,11865	-2,413020212	ENST00000394115	6821	NM_000456	SUOX
A_21_P0000069	4,42683	5,6977	-2,41307039	ENST00000468233	79674	NM_001167915	VEPH1
A_22_P00012093	3,00339	4,27449	-2,413455122	N/A	100506033	NR_040037	PTOV1-AS1
A_21_P0006077	1,55902	2,83018	-2,413555496	ENST00000448491	101927305	NR_125884	LOC101927305
A_21_P0001575	1,36395	2,63522	-2,413739528	N/A	N/A	N/A	Inc-NOTCH2-2
A_24_P340247	2,61447	3,88582	-2,413873378	ENST00000595937	284359	NM_182575	IZUMO1
A_22_P00011961	1,54818	2,82019	-2,414977922	N/A	N/A	N/A	Inc-PKNOX1-1
A_33_P3311165	1,61237	2,88452	-2,415212285	ENST00000618178	400658	NM_001272093	C18orf65
A_22_P00019891	1,95682	3,22948	-2,416066225	ENST00000497258	N/A	N/A	N/A
A_33_P3348164	4,16331	5,4363	-2,416618936	ENST00000485638	79739	NM_024686	TTLL7
A_21_P0003948	1,4101	2,68332	-2,417004233	ENST00000513419	N/A	N/A	N/A
A_33_P3242733	1,9996	3,27299	-2,417289058	ENST00000401498	91461	NM_138370	PKDCC
A_22_P00024766	1,67548	2,94888	-2,417305813	N/A	N/A	N/A	Inc-EGLN1-1
A_33_P3414012	1,52681	2,80068	-2,41809345	N/A	N/A	BG182298	N/A
A_33_P3401397	1,63634	2,91086	-2,419183157	ENST00000408988	401335	NM_001123065	C7orf65
A_22_P00017970	7,16296	8,43748	-2,419183157	N/A	N/A	N/A	Inc-ZMAT3-2
A_22_P00014782	2,05095	3,32668	-2,421212996	N/A	N/A	N/A	Inc-SLC38A8-2

A_33_P3314531	1,78539	3,06135	-2,421599026	ENST00000421698	N/A	N/A	N/A
A_24_P158468	1,49727	2,77327	-2,421666168	ENST00000490765	170393	NM_173541	C10orf91
A_33_P3359791	3,00459	4,28097	-2,422304109	ENST00000484389	81550	BC020604	TDRD3
A_22_P00017926	3,87445	5,15089	-2,422404852	N/A	285830	NR_026972	HLA-F-AS1
A_33_P3244803	10,3418	11,6185	-2,422841453	ENST00000293217	51	NM_001185039	ACOX1
A_22_P00015117	3,08182	4,35881	-2,423328524	N/A	6643	NM_001278199	SNX2
A_23_P50535	8,53445	9,81216	-2,424538226	ENST00000447742	1760	NM_004409	DMPK
A_22_P00018303	1,45429	2,73231	-2,425059256	N/A	104326058	NR_126371	SMAD1-AS1
A_21_P0012111	4,06421	5,3424	-2,42534503	N/A	N/A	N/A	XLOC_I2_008546
A_32_P142440	11,5155	12,7939	-2,425698091	ENST00000490692	255738	NM_174936	PCSK9
A_33_P3276505	7,6596	8,93894	-2,42727909	ENST00000460773	286410	NM_001010986	ATP11C
A_23_P501831	4,89388	6,17326	-2,427346389	ENST00000423554	10826	NM_032385	FAXDC2
A_33_P3338934	1,7473	3,02674	-2,427447342	ENST00000390372	N/A	AB306172	N/A
A_23_P48596	6,70431	7,9838	-2,427531472	ENST00000412779	6035	NM_198232	RNASE1
A_21_P0003588	7,89646	9,17596	-2,427548299	ENST00000478425	57620	N/A	STIM2
A_21_P0005183	1,34125	2,62113	-2,428187789	N/A	N/A	N/A	Inc-THBS2-3
A_22_P00012669	1,95202	3,23265	-2,429450436	ENST00000265018	27146	NM_015688	FAM184B
A_23_P102117	10,5437	11,8247	-2,430073584	ENST00000258411	80326	NM_025216	WNT10A
A_22_P00021229	3,07671	4,35812	-2,430764285	N/A	N/A	AK127212	Inc-SHISA4-1
A_33_P3238290	2,95351	4,23498	-2,43086538	ENST00000045083	140876	NM_001290268	FAM65C
A_33_P3821494	2,35298	3,6349	-2,431623725	ENST00000008876	23542	AK094442	MAPK8IP2
A_33_P3217819	4,33679	5,6194	-2,432786979	ENST00000611101	9134	NM_057749	CCNE2
A_33_P3344911	1,65882	2,9415	-2,432905022	ENST00000616559	374462	NM_001145026	PTPRQ
A_33_P3332970	8,36743	9,65022	-2,433090529	N/A	9976	NM_005127	CLEC2B
A_22_P00013855	1,58955	2,87326	-2,434642594	N/A	N/A	N/A	Inc-RPL7-1
A_21_P0010040	1,6118	2,89592	-2,435334594	N/A	N/A	N/A	Inc-ZHX3-1
A_33_P3252499	3,98026	5,26448	-2,435503405	ENST00000393845	55779	NM_001164496	CFAP44
A_33_P3341601	1,79028	3,07512	-2,43655029	ENST00000621812	349136	NM_001284260	WDR86
A_23_P34007	1,57222	2,8579	-2,437969369	ENST00000378131	80316	NR_002191	PPP1R2P9
A_23_P374689	3,139	4,42507	-2,438628508	ENST00000478562	2571	NM_000817	GAD1
A_23_P342024	2,59805	3,88436	-2,439034221	ENST00000609602	150197	NR_026919	LINC00896
A_24_P66027	9,5405	10,8269	-2,43918638	ENST00000335760	9582	NM_004900	APOBEC3B
A_23_P64611	7,96347	9,25009	-2,439558366	ENST00000538328	5031	NM_176798	P2RY6

A_22_P00024751	8,51998	9,80783	-2,44163915	N/A	N/A	N/A	Inc-WDR77-1
A_33_P3317048	1,52312	2,81178	-2,443010391	ENST00000427836	389072	NM_001080475	PLEKHM3
A_33_P3378514	6,61568	7,90445	-2,443196668	ENST00000394439	8654	NM_001083	PDE5A
A_33_P3396431	3,34731	4,63673	-2,444297688	N/A	N/A	N/A	N/A
A_23_P102391	7,25672	8,54619	-2,444382403	ENST00000261024	30061	NM_014585	SLC40A1
A_23_P41114	12,1364	13,4262	-2,444941591	ENST00000264474	1475	NM_005213	CSTA
A_22_P00014855	1,65819	2,94864	-2,446043397	ENST00000438633	N/A	N/A	N/A
A_21_P0000310	8,26655	9,55701	-2,446060352	N/A	677800	NR_002954	SNORA12
A_21_P0012032	1,4528	2,74416	-2,44758676	ENST00000449526	N/A	N/A	N/A
A_33_P3301297	1,61157	2,90339	-2,448367292	ENST00000422849	N/A	N/A	N/A
A_22_P00003382	1,36122	2,6533	-2,448808572	ENST00000580622	N/A	AA410542	N/A
A_33_P3277753	5,58283	6,87553	-2,449861177	ENST00000331001	200539	NM_144994	ANKRD23
A_33_P3401093	4,07313	5,36689	-2,451661839	ENST00000283946	130888	NM_174899	FBXO36
A_22_P00009813	1,89072	3,18567	-2,453684915	N/A	101926962	NR_110658	LOC101926962
A_23_P434809	8,36177	9,65691	-2,454008081	ENST00000368733	6279	NM_002964	S100A8
A_23_P130731	8,01688	9,31202	-2,454008081	ENST00000535102	79735	NM_024682	TBC1D17
A_33_P3405424	7,40666	8,70185	-2,454093132	ENST00000595948	259307	NM_152899	IL4I1
A_33_P3359017	1,35953	2,65536	-2,455182044	ENST00000221700	8529	NM_001082	CYP4F2
A_33_P3265564	3,58285	4,87965	-2,456833348	ENST00000522657	N/A	N/A	N/A
A_24_P165450	3,62024	4,9176	-2,457787183	ENST00000485638	79739	NM_024686	TTLL7
A_23_P135742	3,95703	5,25442	-2,457838292	ENST00000433179	84808	NM_001291366	PERM1
A_33_P3400828	7,97668	9,27411	-2,457906439	ENST00000375854	158046	NM_001161625	NXNL2
A_23_P380208	1,47163	2,76968	-2,458962954	ENST00000392832	79674	NM_024621	VEPH1
A_24_P257348	10,5306	11,8288	-2,459218631	ENST00000273258	10550	NM_006407	ARL6IP5
A_33_P3784253	11,1421	12,4406	-2,459730064	ENST00000278568	5058	NM_001128620	PAK1
A_24_P226755	1,8647	3,16349	-2,460224551	ENST00000361421	9760	NM_014729	TOX
A_21_P0007702	1,48082	2,77965	-2,460292764	N/A	N/A	N/A	Inc-SLC2A13-3
A_21_P0005295	1,48669	2,78556	-2,460360979	ENST00000442323	N/A	N/A	N/A
A_32_P154342	1,40305	2,70258	-2,461486795	ENST00000310954	353189	NM_180991	SLCO4C1
A_23_P104617	7,61254	8,91238	-2,462015765	ENST00000530437	120071	NM_152312	GYLTL1B
A_21_P0012397	2,09913	3,39922	-2,462442437	N/A	N/A	N/A	XL0C_I2_009887
A_23_P111583	2,5954	3,89574	-2,462869183	ENST00000419819	948	NM_001001547	CD36
A_21_P0000818	5,40263	6,70303	-2,462971613	N/A	100505576	N/A	LINC00672

A_33_P3305885	4,38865	5,68933	-2,463449676	ENST00000474009	65268	NM_006648	WNK2
A_24_P62237	7,80043	9,10152	-2,464149864	ENST00000216264	64781	NM_022766	CERK
A_23_P160940	4,60866	5,90982	-2,464269428	ENST00000370225	24	NM_000350	ABCA4
A_23_P253896	2,75423	4,05579	-2,464952763	ENST00000305572	255743	NM_001033047	NPNT
A_23_P362694	1,66075	2,96267	-2,465567927	ENST00000317987	260436	NM_152997	FDCSP
A_21_P0012874	6,3735	7,67582	-2,466251622	ENST00000508309	729678	NR_027183	LINC00847
A_22_P00011508	1,66109	2,96367	-2,466696126	ENST00000439450	N/A	N/A	N/A
A_33_P3374678	1,38639	2,68911	-2,466935507	ENST00000505533	9407	NM_004262	TMPRSS11D
A_22_P00010289	1,67355	2,97663	-2,467551166	ENST00000427182	N/A	DB511893	N/A
A_22_P00013800	6,80227	8,10545	-2,467722209	N/A	N/A	BC034638	Inc-RP4-604K5.1.1-2
A_33_P3325404	1,71066	3,0143	-2,468509162	ENST00000274990	401262	NM_206922	CRIP3
A_24_P320103	5,5215	6,82544	-2,469022528	ENST00000485957	2122	NM_004991	MECOM
A_21_P0003041	3,59424	4,89854	-2,469638707	N/A	N/A	N/A	Inc-RNF13-2
A_33_P3296831	3,68342	4,98776	-2,469707181	ENST00000378290	7161	NM_001204186	TP73
A_21_P0012835	5,28973	6,59458	-2,47058039	N/A	N/A	N/A	XLOC_l2_011649
A_33_P3358851	4,5216	5,82649	-2,47064889	N/A	N/A	N/A	N/A
A_22_P00010021	2,81696	4,12204	-2,47097429	ENST00000417099	N/A	AK097814	N/A
A_23_P145681	4,74668	6,05258	-2,472379144	ENST00000487125	51412	NM_016188	ACTL6B
A_22_P00001017	6,11477	7,42071	-2,472447693	ENST00000614356	643650	NR_033957	LINC00842
A_23_P88099	8,36909	9,67512	-2,472601938	ENST00000488765	23263	NM_024979	MCF2L
A_19_P00321279	1,70634	3,01242	-2,472687633	ENST00000523123	101929450	NR_125815	LOC101929450
A_33_P3300837	1,36775	2,67385	-2,472721912	ENST00000508918	9079	XM_006713983	LDB2
A_21_P0011039	4,18378	5,4905	-2,473784796	ENST00000541162	338817	NR_033890	LINC01252
A_21_P0008398	9,15678	10,4639	-2,47447077	N/A	N/A	N/A	Inc-CTD-2134A5.2.1-2
A_22_P00009477	2,44818	3,75532	-2,474505073	N/A	100533997	NM_001204811	MAGEA10-MAGEA5
A_19_P00802417	6,1767	7,48512	-2,476701499	ENST00000469070	N/A	N/A	N/A
A_33_P3724750	4,49976	5,80822	-2,476770168	N/A	N/A	BC014063	N/A
A_22_P00020255	1,38858	2,69711	-2,476890345	ENST00000448475	N/A	N/A	N/A
A_33_P3369975	1,45588	2,7647	-2,477388281	ENST00000359959	391192	NM_001004687	OR2L3
A_24_P876522	9,70094	11,0099	-2,4776287	N/A	493869	NM_001008397	GPX8
A_23_P257795	12,8022	14,1114	-2,478040901	ENST00000502960	4695	NM_002488	NDUFA2
A_23_P27035	6,97541	8,28495	-2,47862497	ENST00000394642	26022	NM_015544	TMEM98
A_22_P00021371	1,51837	2,82806	-2,478882691	N/A	N/A	N/A	Inc-ALG12-1

A_24_P398323	5,7118	7,0217	-2,479243546	ENST00000495668	53840	NM_001003827	TRIM34
A_24_P350437	3,16965	4,47966	-2,479432586	ENST00000308086	83591	NM_031435	THAP2
A_21_P0008577	2,10151	3,41186	-2,480016983	N/A	N/A	N/A	Inc-RSL24D1-1
A_24_P231104	4,60307	5,91361	-2,480343617	ENST00000616738	3953	NM_001003679	LEPR
A_22_P00011411	4,67968	5,99023	-2,48036081	ENST00000437322	158572	NR_026742	USP27X-AS1
A_33_P3321070	5,29883	6,60945	-2,480481161	ENST00000415567	54361	N/A	WNT4
A_23_P120594	9,71739	11,0285	-2,48132378	ENST00000484396	84532	NM_032501	ACSS1
A_32_P88349	10,4207	11,7321	-2,481822607	N/A	730257	XR_426840	LOC730257
A_22_P00023829	1,35249	2,66411	-2,482201095	N/A	N/A	N/A	Inc-ZNF131-2
A_21_P0008824	2,01467	3,32644	-2,482459188	ENST00000503052	N/A	N/A	N/A
A_21_P0004869	6,86156	8,17368	-2,48306151	N/A	100131289	NR_038929	LOC100131289
A_23_P380010	1,57337	2,88557	-2,483199204	ENST00000290607	57519	NM_020759	STARD9
A_19_P00809894	3,61543	4,92795	-2,483750056	ENST00000607221	100506804	NR_040081	LOC100506804
A_23_P119943	13,9357	15,2484	-2,484059964	ENST00000490362	3485	NM_000597	IGFBP2
A_21_P0013416	2,16028	3,47331	-2,484628229	N/A	N/A	N/A	Inc-MACC1-1
A_24_P379820	8,24858	9,56174	-2,484852127	ENST00000326427	81618	NM_030926	ITM2C
A_33_P3243268	1,86203	3,17559	-2,48554117	ENST00000613818	N/A	N/A	N/A
A_23_P89931	8,8533	10,1671	-2,485954687	ENST00000359044	64763	NM_022752	ZNF574
A_22_P00021589	1,68557	2,99938	-2,485971919	N/A	101927837	XR_243465	LOC101927837
A_23_P67355	6,82988	8,14377	-2,486109774	ENST00000596700	5639	NM_000951	PRRG2
A_33_P3242923	5,56541	6,87991	-2,487161173	ENST00000554409	283553	NR_038358	LINC00640
A_21_P0012244	6,26211	7,57767	-2,488989251	N/A	N/A	N/A	XLOC_I2_009285
A_24_P397489	3,1059	4,42163	-2,489282559	ENST00000379597	2651	NM_001491	GCNT2
A_32_P112894	2,64011	3,95595	-2,489472364	ENST00000010299	199870	NM_152660	FAM76A
A_23_P374559	1,61005	2,92591	-2,489506876	ENST00000222033	148066	NM_181710	ZNRF4
A_33_P3382999	4,43486	5,75083	-2,489696698	ENST00000319098	768239	NM_001085382	PSAPL1
A_32_P92789	1,41651	2,73313	-2,490818673	N/A	728012	NR_038384	MCHR2-AS1
A_33_P3401402	1,55636	2,87306	-2,490956797	ENST00000408988	401335	NM_001123065	C7orf65
A_21_P0005408	2,11128	3,42805	-2,491077662	N/A	N/A	N/A	Inc-ZKSCAN1-1
A_33_P3391439	1,47214	2,7892	-2,491578451	ENST00000452959	4336	NR_103505	MOBP
A_24_P85850	1,64779	2,96513	-2,492062066	ENST00000485855	149428	NM_138278	BNIPL
A_22_P00015443	1,94125	3,25945	-2,493548044	N/A	N/A	N/A	Inc-SSTR2-3
A_23_P200710	10,8598	12,1782	-2,493893747	ENST00000424712	5287	NM_002646	PIK3C2B

A_22_P00002871	1,7659	3,08473	-2,494637171	ENST00000462835	N/A	N/A	N/A
A_23_P325690	6,93664	8,25605	-2,49564028	ENST00000355594	148741	NM_144698	ANKRD35
A_23_P251043	1,4341	2,75403	-2,496539962	ENST00000376862	79953	NM_024893	SYNDIG1
A_21_P0003375	2,21472	3,53472	-2,496661098	ENST00000513540	N/A	N/A	N/A
A_23_P151297	8,30639	9,62693	-2,497595772	ENST00000552168	23371	NM_015319	TNS2
A_22_P00012783	1,48755	2,8085	-2,498305665	N/A	N/A	N/A	Inc-RALGAPA2-1
A_33_P3226050	9,16196	10,4831	-2,498634709	ENST00000407689	652968	NM_001037666	GATSL3
A_33_P3368771	3,4519	4,77468	-2,501476675	N/A	339942	NR_026991	H1FX-AS1
A_24_P865672	1,40077	2,72361	-2,501580711	ENST00000560329	N/A	N/A	N/A
A_33_P3244473	3,08703	4,40997	-2,501754113	ENST00000370882	55227	NM_018214	LRRC1
A_32_P794272	3,59506	4,91819	-2,502083611	ENST00000568345	N/A	AL360200	N/A
A_24_P8220	11,0804	12,4038	-2,502551919	ENST00000259241	9394	NM_004807	HS6ST1
A_23_P315964	1,5256	2,85012	-2,504495466	ENST00000400427	89766	NM_173568	UMODL1
A_21_P0000690	1,5613	2,88596	-2,504738516	N/A	100316868	NR_037843	HOTTIP
A_24_P245838	9,60093	10,9257	-2,5049295	ENST00000341184	4248	NM_002409	MGAT3
A_19_P00800264	9,2875	10,6126	-2,505502539	N/A	100506365	N/A	OTUD6B-AS1
A_33_P3329133	3,50332	4,82859	-2,505797793	N/A	N/A	N/A	N/A
A_33_P3349299	1,57022	2,89651	-2,507570044	ENST00000377879	724087	NR_046101	LINC01545
A_21_P0014445	1,49279	2,81919	-2,507761244	N/A	100128055	NR_104027	SMARCA5-AS1
A_24_P121171	8,1654	9,49198	-2,508074148	ENST00000527755	25988	NM_015517	HINFP
A_23_P119353	6,40741	7,73409	-2,508248	ENST00000222145	54922	NM_017805	RASIP1
A_21_P0014727	3,05637	4,38356	-2,509134835	N/A	100288198	NR_040671	HMG3-AS1
A_32_P170621	2,07542	3,40309	-2,50996979	N/A	255082	NR_026941	CASC2
A_23_P113111	3,5105	4,83841	-2,510387372	ENST00000396043	367	NM_000044	AR
A_23_P38952	3,00424	4,33222	-2,510509179	ENST00000301452	125981	NM_133492	ACER1
A_23_P54968	8,79557	10,1236	-2,510596188	ENST00000156626	55808	NM_018414	ST6GALNAC1
A_23_P130974	4,09639	5,42449	-2,510718006	ENST00000599638	80726	NM_025249	KIAA1683
A_23_P250735	9,30016	10,6284	-2,51096166	ENST00000216133	23492	NM_175709	CBX7
A_24_P372134	4,58615	5,91473	-2,511553488	ENST00000275767	55281	NM_018295	TMEM140
A_21_P0004772	5,35371	6,68238	-2,511710172	ENST00000452675	101927686	NR_125844	LOC101927686
A_23_P202683	1,5809	2,91006	-2,512563399	ENST00000531177	53841	NM_021924	CDHR5
A_33_P3367332	12,3583	13,6877	-2,512981412	ENST00000444521	127281	NM_001195736	FAM213B
A_33_P3423830	4,69807	6,02759	-2,513190445	ENST00000414990	9747	NM_014719	TCAF1

A_33_P3417532	2,74356	4,07414	-2,515037655	ENST00000344209	286676	NM_001199799	ILDR1
A_33_P3318611	1,43933	2,77017	-2,515490951	N/A	100131907	AK128825	LOC100131907
A_21_P0012109	5,1399	6,47099	-2,51592689	ENST00000417299	101929395	NR_110611	LOC101929395
A_21_P0009325	1,78302	3,11414	-2,515979208	N/A	N/A	N/A	Inc-CCR7-1
A_19_P00317519	4,72058	6,05205	-2,516589663	ENST00000413185	101927043	N/A	LOC101927043
A_23_P144476	7,04504	8,37756	-2,518421915	ENST00000339241	10252	NM_199327	SPRY1
A_21_P0007296	1,65116	2,98391	-2,518823443	ENST00000608214	101929497	NR_120580	LOC101929497
A_23_P86532	2,01894	3,35176	-2,51894566	ENST00000263103	80114	AK026129	BICC1
A_21_P0010325	1,63212	2,96496	-2,518980581	N/A	N/A	N/A	Inc-CSTB-1
A_21_P0002679	1,64813	2,98101	-2,519050422	N/A	N/A	N/A	Inc-PLA2R1-1
A_21_P0007666	1,65688	2,98976	-2,519050422	N/A	N/A	N/A	Inc-TMEM132C-6
A_22_P00009059	4,96339	6,2963	-2,519102805	N/A	104355426	NR_126418	LENG8-AS1
A_33_P3388192	2,12982	3,46283	-2,519277422	ENST00000552336	121355	NM_144594	GTSF1
A_23_P162288	3,30457	4,63779	-2,519644157	ENST00000554234	4640	NM_005379	MYO1A
A_21_P0010766	1,57802	2,9117	-2,520447668	ENST00000411951	441897	N/A	PGCP1
A_21_P0011740	4,37648	5,7103	-2,520692266	N/A	101927522	XR_243988	LOC101927522
A_33_P3344233	1,66607	2,99998	-2,520849519	ENST00000432056	360205	NM_001282276	PRAC2
A_23_P353524	5,84064	7,17463	-2,520989309	ENST00000368764	3713	NM_005547	IVL
A_22_P00003435	2,56842	3,90245	-2,521059207	N/A	N/A	N/A	Inc-CCDC37-3
A_33_P3232339	1,66601	3,00086	-2,522492535	ENST00000565305	102723640	N/A	LOC102723640
A_32_P46571	9,0938	10,4293	-2,523629289	ENST00000372990	54933	NM_017821	RHBDL2
A_23_P327483	3,45788	4,79357	-2,523961668	ENST00000603831	54558	NM_019073	SPATA6
A_24_P370096	5,15148	6,4872	-2,524014153	ENST00000585568	7773	NM_006300	ZNF230
A_23_P116264	6,74739	8,08328	-2,524311588	ENST00000412681	4900	NM_006176	NRGN
A_22_P00001383	1,38818	2,72464	-2,525309125	N/A	N/A	AK055524	Inc-AP3M1-1
A_21_P0014884	1,8378	3,17516	-2,526884986	N/A	N/A	N/A	N/A
A_21_P0013175	3,99204	5,32964	-2,527305382	N/A	N/A	N/A	XLOC_I2_013293
A_22_P00005812	1,84894	3,18702	-2,528146383	N/A	N/A	BF359992	Inc-EPHA8-1
A_23_P99853	9,42792	10,7663	-2,528672151	ENST00000534964	56204	NM_019600	FAM214A
A_33_P3347281	1,44342	2,78253	-2,529951977	ENST00000329366	3176	NM_001024075	HNMT
A_23_P92107	3,16986	4,50929	-2,5305132	ENST00000489711	6565	NM_021082	SLC15A2
A_33_P3289426	8,3828	9,72247	-2,530934199	ENST00000329630	285971	NM_173680	ZNF775
A_33_P3324974	2,63567	3,97544	-2,531109637	N/A	N/A	N/A	N/A



A_23_P9875	6,48749	7,82746	-2,531460547	ENST00000486676	10420	NM_007170	TESK2
A_33_P3232011	9,38595	10,7263	-2,532127411	ENST00000477149	64284	NM_022449	RAB17
A_24_P374634	7,97639	9,31843	-2,535095331	ENST00000524300	27067	NM_001164380	STAU2
A_22_P00012577	4,20295	5,54536	-2,535745576	N/A	102723166	NR_110370	STAM-AS1
A_22_P00007087	1,45149	2,79417	-2,536220185	N/A	N/A	N/A	Inc-GLOD4-1
A_22_P00001981	6,59732	7,94098	-2,537943584	ENST00000457668	N/A	N/A	N/A
A_23_P78122	9,95762	11,3015	-2,538330631	ENST00000530254	399687	NM_078471	MYO18A
A_22_P00009031	2,4321	3,776	-2,53836582	ENST00000505347	N/A	BE568288	N/A
A_22_P00010191	1,39148	2,7354	-2,538401009	ENST00000416145	114036	N/A	LINC00310
A_24_P109887	2,60731	3,95135	-2,538612156	ENST00000320322	N/A	BC031469	N/A
A_24_P52293	1,58038	2,92442	-2,538612156	ENST00000408898	392138	NM_001004488	OR2A25
A_33_P3373960	1,40994	2,75423	-2,539052102	ENST00000367002	343035	NM_183059	RD3
A_22_P00003853	6,72731	8,07166	-2,539157701	N/A	80054	N/A	CEBPA-AS1
A_33_P3239228	2,31102	3,65542	-2,539245703	ENST00000483366	4584	NM_005960	MUC3A
A_33_P3242793	4,10309	5,44762	-2,539474522	N/A	647215	XR_171243	MROH3P
A_33_P3234303	1,69674	3,04138	-2,539668155	ENST00000379123	5080	N/A	PAX6
A_24_P159635	3,129	4,47376	-2,539879407	ENST00000259006	80774	NM_030576	LIMD2
A_22_P00010513	6,44214	7,78724	-2,540478051	N/A	N/A	BC053880	Inc-NBPF6-2
A_22_P00001976	4,00181	5,34851	-2,543297095	ENST00000569267	101928714	XR_241865	LOC101928714
A_23_P52974	1,59418	2,94089	-2,543314724	ENST00000533847	2694	NM_005142	GIF
A_22_P00014252	3,95311	5,29989	-2,543438129	N/A	N/A	XM_005252052	Inc-SEMA4D-2
A_21_P0008063	1,39465	2,74161	-2,543755485	N/A	N/A	N/A	Inc-LRCH1-5
A_33_P3415340	4,83339	6,18037	-2,543790749	ENST00000410052	57679	XM_006712654	ALS2
A_33_P3421611	6,20194	7,54903	-2,543984711	N/A	N/A	N/A	Inc-PLEKHH2-1
A_21_P0005446	1,4885	2,83587	-2,544478498	N/A	N/A	N/A	Inc-DPP6-2
A_22_P00006779	4,08694	5,43463	-2,545042944	ENST00000357559	8087	NM_001013439	FXR1
A_21_P0013036	1,6333	2,98144	-2,545836908	N/A	N/A	N/A	XLOC_I2_012724
A_22_P00013687	2,17706	3,52592	-2,547107766	N/A	N/A	BI517743	Inc-RP11-728F11.4.1-1
A_33_P3365870	4,70867	6,05799	-2,547920035	ENST00000446293	55108	NM_001143888	BSDC1
A_22_P00008466	8,10747	9,45704	-2,548361594	N/A	N/A	AK021981	Inc-KBTBD6-1
A_23_P201066	4,14357	5,49404	-2,549951841	ENST00000344029	55061	NM_001037175	SUSD4
A_24_P64344	4,49335	5,84394	-2,550163948	ENST00000224337	29760	NM_013314	BLNK
A_21_P0007025	1,65	3,00067	-2,550305363	N/A	N/A	N/A	Inc-FGFR2-2

A_33_P3508717	8,75495	10,1057	-2,550446786	ENST00000501855	729678	NR_027183	LINC00847
A_24_P294851	7,23529	8,58677	-2,551737632	ENST00000357085	10475	NM_006355	TRIM38
A_23_P408913	6,90841	8,26045	-2,552728313	ENST00000408939	150737	NM_152517	TTC30B
A_22_P00002494	3,25804	4,6101	-2,552763702	N/A	N/A	BC059952	Inc-C16orf58-1
A_33_P3272260	1,47736	2,82958	-2,553046828	ENST00000381630	284759	NM_001122962	SIRPB2
A_21_P0005615	2,55799	3,91024	-2,553099918	N/A	101929622	NR_125820	LOC101929622
A_33_P3224281	1,49016	2,84271	-2,553630875	ENST00000510547	N/A	N/A	N/A
A_22_P00001372	1,54741	2,90053	-2,554639999	ENST00000449694	101927738	N/A	LOC101927738
A_21_P0010849	1,58505	2,9393	-2,55664172	N/A	N/A	N/A	XLOC_I2_001810
A_22_P00002000	5,08261	6,43713	-2,55712024	N/A	283932	NR_024348	FBXL19-AS1
A_21_P0000990	1,36519	2,72022	-2,558024355	ENST00000452901	N/A	N/A	N/A
A_23_P111517	1,96806	3,3231	-2,558042086	ENST00000467723	64409	NM_022479	WBSCR17
A_23_P423695	8,48437	9,84072	-2,560365901	ENST00000513372	10608	NM_006454	MXD4
A_33_P3232354	4,40269	5,75993	-2,561945881	ENST00000342818	284697	NM_183242	BTBD8
A_33_P3287472	2,42545	3,78329	-2,563011585	ENST00000330261	116729	NM_001007533	PPP1R27
A_33_P3213962	3,85603	5,21402	-2,563278081	ENST00000553795	79290	NM_001004297	OR13A1
A_33_P3253214	12,5716	13,9306	-2,565073206	ENST00000607355	N/A	L19779	N/A
A_24_P317762	13,0383	14,3981	-2,566495979	ENST00000522024	4061	NM_002346	LY6E
A_23_P78248	8,63832	9,99891	-2,567901741	ENST00000462312	25984	NM_015515	KRT23
A_22_P00016397	3,95579	5,31651	-2,568133143	N/A	N/A	CD674640	Inc-TMEM194B-1
A_33_P3286709	7,27221	8,63482	-2,571499726	N/A	N/A	N/A	N/A
A_21_P0012064	1,6334	2,99668	-2,57269423	ENST00000425212	102723854	NR_110585	LOC102723854
A_22_P00016517	3,43244	4,79581	-2,572854728	N/A	191585	NM_182832	PLAC4
A_23_P80684	1,45358	2,81719	-2,573282772	ENST00000620464	51533	NM_001278221	PHF7
A_22_P00005118	1,58328	2,94694	-2,573371956	N/A	440416	XR_424802	CCDC144NL-AS1
A_33_P3416668	6,48465	7,84879	-2,574228287	ENST00000338660	64856	NM_022834	VWA1
A_33_P3247057	6,4595	7,82406	-2,57497781	ENST00000375215	643008	NM_001162995	SMIM5
A_33_P3293858	1,71449	3,07906	-2,574995659	ENST00000431530	23281	NM_001033602	MTUS2
A_33_P3252719	2,35484	3,71956	-2,5752634	ENST00000392679	114609	NM_001039661	TIRAP
A_24_P111912	8,40888	9,7737	-2,57544191	ENST00000395965	83989	NM_032042	FAM172A
A_33_P3306504	10,5124	11,8774	-2,575763259	ENST00000338128	51477	NM_016368	ISYNA1
A_32_P10133	10,0592	11,4242	-2,575763259	N/A	N/A	AK022045	Inc-THNSL1-2
A_23_P116743	11,0655	12,4306	-2,575941804	ENST00000429892	338799	NR_002809	LINC01089

A_33_P3346461	1,90969	3,27483	-2,576013225	ENST00000621666	4671	AK311046	NAIP
A_21_P0005066	1,50016	2,86545	-2,576281072	ENST00000447311	153910	NR_027312	LOC153910
A_21_P0001348	1,67023	3,03555	-2,576334645	N/A	N/A	N/A	Inc-RWDD3-2
A_23_P15299	10,2044	11,5698	-2,576477511	ENST00000588373	23558	NM_012478	WBP2
A_23_P69970	2,15542	3,52092	-2,576656105	ENST00000265007	11063	NM_178424	SOX30
A_33_P3382359	1,40473	2,77084	-2,577745797	N/A	N/A	DB078577	N/A
A_21_P0001290	4,35881	5,72508	-2,578031694	N/A	100874253	NR_047498	LINC00853
A_22_P00015962	1,56006	2,92688	-2,579014707	N/A	101927186	NR_110595	LPHN3-AS1
A_23_P88331	10,5387	11,9059	-2,579694098	ENST00000247191	9787	NM_014750	DLGAP5
A_22_P00016940	6,47842	7,8462	-2,580731409	N/A	101928607	NR_109964	TRPM2-AS
A_23_P132784	11,6416	13,0094	-2,580767186	ENST00000472339	8087	NM_001013439	FXR1
A_23_P88589	11,971	13,3388	-2,580767186	ENST00000394166	7026	NM_021005	NR2F2
A_24_P120109	2,20457	3,57251	-2,581017637	ENST00000479345	90957	NM_198963	DHX57
A_22_P00010966	5,27627	6,64422	-2,581035527	N/A	101929340	NR_120577	LOC101929340
A_22_P00004405	2,36781	3,73615	-2,581733346	ENST00000566763	100130992	NR_038921	LOC100130992
A_22_P00015520	1,61141	2,97986	-2,581930201	ENST00000585152	N/A	BC062780	N/A
A_33_P3264965	2,20148	3,57018	-2,582377654	ENST00000423907	101929023	NR_125972	LOC101929023
A_33_P3262854	3,8127	5,1815	-2,582556657	N/A	100288695	NR_038099	LIMS3L
A_24_P926960	9,69467	11,0648	-2,584938577	N/A	1953	NM_001409	MEGF6
A_33_P3399988	2,07818	3,44904	-2,586246881	N/A	352990	BC035659	HCP5B
A_23_P426663	7,36503	8,73638	-2,587125428	ENST00000352241	4286	NM_198159	MITF
A_22_P00017613	1,71275	3,08425	-2,587394431	N/A	N/A	N/A	Inc-WFDC2-1
A_23_P8452	10,46	11,8316	-2,587573782	ENST00000614382	3955	NM_001040167	LFNG
A_19_P00319537	4,22385	5,59559	-2,587824894	ENST00000508111	285419	NR_027105	LINC01091
A_23_P40821	8,08032	9,45237	-2,588381014	ENST00000460822	84343	NM_032383	HPS3
A_22_P00018354	1,41254	2,78492	-2,588973144	ENST00000564407	N/A	AK026734	N/A
A_23_P112004	6,50704	7,87962	-2,589332077	ENST00000250173	23639	NM_012472	LRRC6
A_22_P00004840	1,35978	2,7327	-2,589942377	N/A	100506258	NR_103855	LOC100506258
A_33_P3305749	1,98623	3,35929	-2,590193719	ENST00000462272	5915	NM_000965	RARB
A_19_P00316013	2,85073	4,22385	-2,590301444	N/A	N/A	N/A	N/A
A_23_P141208	10,6139	11,9871	-2,590445085	ENST00000578426	25979	NM_015510	DHRS7B
A_21_P0014028	8,61339	9,98716	-2,591468756	N/A	100653022	AF318328	PP12719
A_21_P0014825	6,15632	7,53042	-2,592061593	N/A	101929746	NR_110623	ZNF341-AS1

A_33_P3258600	4,28986	5,66417	-2,592438923	ENST00000382554	57523	NM_025081	NYNRIN
A_33_P3299319	8,03958	9,41428	-2,593139825	ENST00000560881	6158	NM_001136137	RPL28
A_32_P21246	2,61943	3,99424	-2,59333755	N/A	253018	NR_026791	HCG27
A_21_P0013078	13,2707	14,6456	-2,593499335	N/A	N/A	N/A	XLOC_I2_012953
A_33_P3419691	9,93989	11,3153	-2,594416313	N/A	352954	NR_028038	GATS
A_22_P00013739	2,10255	3,47798	-2,594452279	ENST00000558621	101927286	NR_120324	LOC101927286
A_33_P3296240	4,09694	5,4728	-2,595225679	ENST00000380647	54875	NM_017738	CNTLN
A_22_P00009057	6,42789	7,80403	-2,595729413	N/A	N/A	N/A	Inc-LENG9-1
A_33_P3236656	1,64351	3,01967	-2,595765398	ENST00000321762	171169	NM_133498	SPACA4
A_23_P57784	12,8556	14,2319	-2,596017304	ENST00000295522	9076	NM_021101	CLDN1
A_23_P33326	4,78075	6,15775	-2,597277205	N/A	147	NM_000679	ADRA1B
A_24_P408736	8,76547	10,1427	-2,597691306	ENST00000259056	11227	NM_014568	GALNT5
A_33_P3264657	4,85511	6,23267	-2,598285567	ENST00000409327	339761	NM_001001665	CYP27C1
A_33_P3364062	1,65167	3,02954	-2,598843935	N/A	403150	NR_103831	FLJ31356
A_33_P3330179	3,01242	4,39075	-2,599672702	N/A	100131372	XR_112955	LOC100131372
A_33_P3410584	4,93127	6,31014	-2,600645941	N/A	N/A	AK057937	N/A
A_22_P00003069	1,42391	2,80356	-2,602052372	ENST00000520487	N/A	N/A	N/A
A_22_P00024045	2,60646	3,98657	-2,602882163	N/A	101927352	NR_110383	PLS3-AS1
A_32_P523096	4,62334	6,00357	-2,603098674	N/A	84793	NR_026878	FOXD2-AS1
A_22_P00001699	1,75675	3,13732	-2,603712218	N/A	N/A	N/A	Inc-ATF3-1
A_21_P0009672	5,79919	7,17979	-2,603766362	N/A	400684	NR_046201	LOC400684
A_33_P3336557	4,30473	5,68563	-2,604307856	ENST00000424493	N/A	N/A	N/A
A_33_P3328026	9,71007	11,0914	-2,605084194	ENST00000368911	23097	NM_015076	CDK19
A_33_P3291154	1,53232	2,9137	-2,605174481	ENST00000462705	26137	NM_001164343	ZBTB20
A_22_P00025476	1,93856	3,32059	-2,606348496	ENST00000427379	100505561	N/A	LINC00866
A_23_P213137	5,94926	7,33204	-2,607703785	ENST00000263925	84708	NM_032622	LNx1
A_21_P0009719	1,6206	3,00377	-2,608408814	N/A	N/A	N/A	Inc-ZNF146-1
A_22_P00002170	4,1482	5,53217	-2,609855624	ENST00000526388	100506305	NR_038904	LINC00958
A_24_P308506	3,14856	4,53269	-2,610145083	ENST00000377712	51471	NM_016347	NAT8B
A_22_P00025821	2,02206	3,40632	-2,610380291	ENST00000507389	N/A	N/A	N/A
A_33_P3241090	1,60673	2,99108	-2,61054314	ENST00000623976	219952	NM_001005186	OR6Q1
A_32_P56525	7,50308	8,88844	-2,612371366	ENST00000479870	9747	NM_014719	TCAF1
A_33_P3227706	1,58576	2,97156	-2,613168221	ENST00000324060	284383	NM_001004699	OR2Z1

A_33_P3263756	9,90347	11,2894	-2,613403702	ENST00000622379	55663	NM_017908	ZNF446
A_21_P0011103	1,73597	3,12373	-2,616720801	N/A	101928062	XR_246002	LINC01481
A_33_P3216570	2,75833	4,14626	-2,617029161	ENST00000621226	4586	XM_006709945	MUC5AC
A_33_P3243023	1,89746	3,2859	-2,617954457	ENST00000379453	146	NM_000678	ADRA1D
A_32_P175715	3,02819	4,41669	-2,618063337	ENST00000378240	644890	NM_001080836	MEIG1
A_23_P138168	9,75743	11,1466	-2,619279471	ENST00000370206	1266	NM_001839	CNN3
A_23_P100660	8,83958	10,2288	-2,61937025	ENST00000572517	5176	NM_002615	SERPINF1
A_22_P00009791	5,67938	7,06861	-2,619388406	N/A	N/A	N/A	Inc-MEGF10-1
A_33_P3393311	1,39082	2,78026	-2,619769714	ENST00000498400	2847	NM_005297	MCHR1
A_22_P00015673	4,25035	5,64017	-2,620459842	ENST00000450820	N/A	N/A	N/A
A_21_P0004412	3,4918	4,88166	-2,620532497	N/A	N/A	N/A	Inc-ZNF366-6
A_23_P305205	2,13302	3,52307	-2,620877639	ENST00000317020	23366	NM_015314	KIAA0895
A_33_P3336780	5,17117	6,5617	-2,621749778	ENST00000358849	11194	NM_001282291	ABCB8
A_33_P3661309	1,61291	3,00392	-2,622622207	N/A	284669	AK096113	LOC284669
A_33_P3230841	1,33867	2,72971	-2,622676743	ENST00000338487	338599	NM_001003892	DUPD1
A_22_P00014431	7,16576	8,55694	-2,622931262	ENST00000602982	N/A	N/A	N/A
A_22_P00001807	1,46109	2,85238	-2,623131258	ENST00000519159	N/A	BF305512	N/A
A_33_P3367899	5,33555	6,72731	-2,623985959	ENST00000371021	10023	NM_005479	FRAT1
A_24_P241183	6,72079	8,11349	-2,625696196	ENST00000487752	29121	NM_013269	CLEC2D
A_22_P00015031	2,68077	4,07366	-2,626042018	N/A	100874365	NR_047506	HOXC-AS3
A_32_P100258	8,99846	10,3916	-2,626497115	N/A	729614	NR_024279	FLJ37453
A_22_P00021772	1,44525	2,83847	-2,626642763	ENST00000419013	N/A	N/A	N/A
A_32_P116660	4,88281	6,27636	-2,627243647	ENST00000331426	375287	NM_198557	RBM43
A_21_P0002722	2,33201	3,72566	-2,62742576	ENST00000423193	N/A	N/A	N/A
A_22_P00009861	4,84458	6,23831	-2,627571459	N/A	N/A	BC038747	Inc-METTL23-2
A_24_P391586	10,2885	11,6825	-2,628063254	ENST00000328965	220323	NM_178507	OAF
A_33_P3322834	2,25488	3,64892	-2,628136121	ENST00000314499	80034	NM_001172173	CSRNP3
A_33_P3285945	1,42927	2,82345	-2,628391169	ENST00000259607	6366	NM_002989	CCL21
A_32_P189211	1,34351	2,7386	-2,630049586	ENST00000319503	644809	NM_001039905	C15orf56
A_21_P0010080	1,69318	3,0885	-2,630468912	N/A	N/A	N/A	Inc-C20orf187-1
A_33_P3236102	10,3779	11,7734	-2,630797127	ENST00000372491	389792	NM_203434	IER5L
A_33_P3395478	1,46511	2,8607	-2,63096125	N/A	N/A	N/A	N/A
A_23_P9293	12,2788	13,6744	-2,630979487	ENST00000377245	9414	NM_004817	TJP2

A_22_P00006911	1,57081	2,9673	-2,632603041	ENST00000530576	N/A	CF139581	N/A
A_33_P3420416	6,07853	7,4752	-2,632931522	ENST00000584605	3965	NM_002308	LGALS9
A_33_P3408913	1,56004	2,95689	-2,633260044	N/A	6289	NM_001127380	SAA2
A_23_P328621	4,01643	5,41353	-2,633716393	N/A	143630	NM_145053	UBQLNL
A_33_P3314710	2,1586	3,55574	-2,633789416	ENST00000577135	N/A	N/A	N/A
A_21_P0000691	6,89783	8,29507	-2,633971983	N/A	115110	NR_037844	LOC115110
A_33_P3368303	2,60266	4,00056	-2,635177241	N/A	N/A	N/A	N/A
A_23_P38304	1,36304	2,76113	-2,635524311	ENST00000293396	146894	NM_145273	CD300LG
A_32_P213330	6,15743	7,55572	-2,635889697	ENST00000296794	64283	NM_001177693	ARHGEF28
A_21_P0010478	2,0936	3,49201	-2,636108954	N/A	N/A	N/A	Inc-APOL3-2
A_21_P0008049	1,4616	2,86028	-2,636602347	N/A	N/A	N/A	Inc-EXOSC8-1
A_22_P00012323	2,13411	3,53321	-2,637370031	ENST00000521218	N/A	N/A	N/A
A_22_P00014094	2,06737	3,46719	-2,638686581	ENST00000356892	54440	NM_018990	SASH3
A_21_P0008353	1,92713	3,32731	-2,639345103	N/A	N/A	N/A	Inc-SMOC1-1
A_33_P3387300	10,7035	12,1046	-2,641028738	ENST00000476672	8087	NM_001013438	FXR1
A_24_P19228	7,41019	8,81149	-2,641394888	ENST00000252288	2593	NM_138924	GAMT
A_33_P3279880	1,57432	2,97567	-2,641486433	ENST00000471598	199974	NM_178134	CYP4Z1
A_23_P315451	2,06598	3,4675	-2,641797711	ENST00000360202	84063	NM_199180	KIRREL2
A_33_P3831566	4,80373	6,20549	-2,642237225	N/A	N/A	AF072164	N/A
A_22_P00013065	1,55738	2,9595	-2,642896632	ENST00000448241	N/A	AK295639	N/A
A_33_P3280981	1,55794	2,96012	-2,643006549	N/A	N/A	N/A	N/A
A_33_P3221432	3,74454	5,14693	-2,643391296	ENST00000591793	342909	NM_001037813	ZNF284
A_23_P128855	4,38996	5,79249	-2,643647825	ENST00000298681	29986	NM_014579	SLC39A2
A_33_P3289696	5,64561	7,0485	-2,644307584	ENST00000235532	127700	NM_145047	OSCP1
A_24_P240187	6,56468	7,96774	-2,644619195	ENST00000319331	57633	NM_020873	LRRN1
A_22_P00021692	2,12417	3,52759	-2,645279197	N/A	N/A	BQ226306	Inc-FAM54B-1
A_33_P3350703	3,41427	4,81808	-2,645994385	ENST00000354619	56605	NM_019891	ERO1LB
A_22_P00018966	3,26433	4,66847	-2,646599695	ENST00000507483	N/A	BG185957	N/A
A_24_P224727	9,8033	11,2075	-2,646709766	ENST00000498907	1050	NM_004364	CEBPA
A_33_P3344831	10,6264	12,0309	-2,647260191	ENST00000489060	55076	NM_018004	TMEM45A
A_33_P3418005	1,42994	2,83463	-2,647608853	ENST00000370809	347475	NM_001101357	CCDC160
A_33_P3349289	1,64675	3,05151	-2,647737319	N/A	503640	NR_002222	ARGFXP2
A_22_P00000400	1,3636	2,7686	-2,648177821	N/A	N/A	AK024554	Inc-AC027045.1-1

A_23_P302134	8,42504	9,83011	-2,648306314	N/A	729614	NR_024279	FLJ37453
A_33_P3353263	4,67323	6,07881	-2,649242669	ENST00000462299	606495	BC071735	CYB5RL
A_23_P51918	5,0293	6,43518	-2,649793621	ENST00000308284	89866	NM_033127	SEC16B
A_24_P349274	2,46123	3,86712	-2,649811988	ENST00000623137	119764	NM_001004727	OR4X2
A_22_P00007807	3,85511	5,26106	-2,649922193	ENST00000332503	3214	CN286812	HOXB4
A_24_P68311	6,96962	8,37623	-2,651134749	ENST00000357395	23224	NM_015180	SYNE2
A_23_P103433	8,41546	9,82224	-2,651447164	ENST00000471369	127700	NM_145047	OSCP1
A_33_P3278684	2,7602	4,16712	-2,651704475	N/A	N/A	N/A	N/A
A_21_P0007767	1,5021	2,90937	-2,65234786	N/A	101928199	XR_243029	LOC101928199
A_22_P00013663	1,39766	2,80507	-2,652605258	N/A	N/A	N/A	Inc-RP11-680F20.4.1-2
A_24_P99838	7,37053	8,77829	-2,653248862	ENST00000434772	7766	NM_013361	ZNF223
A_22_P00021206	1,63493	3,04272	-2,653304036	ENST00000582650	N/A	DA193375	N/A
A_22_P00006747	2,98344	4,39145	-2,653708675	ENST00000561058	N/A	CD674917	N/A
A_23_P8981	1,51655	2,92468	-2,653929414	ENST00000520114	6770	NM_000349	STAR
A_21_P0001582	1,69549	3,10425	-2,655088592	N/A	N/A	N/A	Inc-MEF2D-1
A_23_P211212	8,48019	9,8891	-2,655364661	ENST00000359759	80781	NM_030582	COL18A1
A_24_P415845	1,69149	3,10112	-2,656690194	ENST00000356922	3981	NM_002312	LIG4
A_33_P3424204	1,47932	2,88959	-2,657869001	N/A	79469	NR_002771	DLEU2L
A_23_P55373	1,55332	2,96443	-2,659416979	ENST00000293761	246	NM_001140	ALOX15
A_22_P00020418	1,73398	3,14521	-2,659638192	N/A	N/A	AV658207	Inc-RWDD3-3
A_22_P00004336	1,4804	2,89172	-2,659804114	ENST00000414418	N/A	N/A	N/A
A_33_P3292531	1,84467	3,25601	-2,659840987	ENST00000508400	199953	NM_001130924	TMEM201
A_23_P425681	4,5138	5,92537	-2,660265063	ENST00000396169	885	NM_000729	CCK
A_33_P3349646	8,40004	9,81177	-2,660560112	ENST00000543491	5099	NM_002589	PCDH7
A_21_P0011085	5,65039	7,06267	-2,661574594	ENST00000540982	N/A	XR_424315	N/A
A_22_P00001714	1,3546	2,76705	-2,661888239	ENST00000450804	101928555	NR_126364	LINC01537
A_23_P15108	8,44333	9,85603	-2,662349549	ENST00000566595	83719	NM_031477	YPEL3
A_22_P00020408	2,08748	3,50042	-2,662792482	N/A	N/A	N/A	Inc-INTS8-1
A_22_P00007187	6,45733	7,8705	-2,663217028	N/A	N/A	N/A	Inc-GOLGA8J-3
A_23_P26895	6,84251	8,25677	-2,66522993	ENST00000591548	51174	NM_016261	TUBD1
A_21_P0004293	1,37344	2,78781	-2,665433151	N/A	N/A	N/A	Inc-ADAMTS19-2
A_33_P3349466	2,76432	4,17894	-2,665895076	ENST00000262126	23253	NM_001204056	ANKRD12
A_22_P00021014	1,40744	2,82415	-2,669759897	N/A	100129845	NR_038910	PCOLCE-AS1

A_33_P3220470	8,52897	9,94601	-2,670370644	ENST00000288840	4091	NM_005585	SMAD6
A_21_P0010142	1,36403	2,7823	-2,672648295	ENST00000416002	N/A	N/A	N/A
A_22_P00012450	1,71025	3,12853	-2,672666821	N/A	N/A	N/A	Inc-PRPF18-5
A_23_P154962	6,99123	8,40989	-2,673370883	ENST00000433039	85376	NM_015672	RIMBP3
A_23_P66682	9,39034	10,8092	-2,673741517	ENST00000225648	3216	NM_018952	HOXB6
A_33_P3417751	1,61743	3,03659	-2,674297563	ENST00000497824	10485	XR_426755	C1orf61
A_22_P00002876	1,64362	3,06287	-2,6744644	ENST00000415474	N/A	N/A	N/A
A_33_P3212092	7,48374	8,90381	-2,675984946	ENST00000393104	27250	NM_145341	PDCD4
A_23_P374695	3,52889	4,94924	-2,676504355	ENST00000615002	7010	NM_000459	TEK
A_23_P218442	12,8429	14,2639	-2,677710514	ENST00000199764	4680	NM_002483	CEACAM6
A_33_P3291279	2,74976	4,17105	-2,678248822	ENST00000334306	345079	NM_001029870	SOWAHB
A_33_P3332396	7,20284	8,62471	-2,679325762	ENST00000372243	79639	NM_001300748	TMEM53
A_22_P00016117	4,37825	5,80037	-2,679790094	N/A	N/A	BF572570	Inc-TIAL1-1
A_22_P00000606	8,07291	9,49549	-2,680644675	N/A	N/A	AK024898	Inc-ACER2-1
A_22_P00016134	5,20911	6,6321	-2,681406597	ENST00000478301	N/A	N/A	N/A
A_22_P00007285	5,40771	6,83099	-2,681945648	N/A	57210	N/A	SLC45A4
A_33_P3376745	1,45757	2,88166	-2,683451847	N/A	N/A	N/A	N/A
A_21_P0007015	5,09887	6,5232	-2,683898291	N/A	N/A	N/A	Inc-OBFC1-2
A_21_P0010090	1,56871	2,99306	-2,683935498	N/A	N/A	N/A	Inc-NCOA3-7
A_22_P00002902	3,26273	4,68804	-2,68572204	N/A	N/A	AK091442	Inc-C4orf42-1
A_23_P44207	1,41075	2,83634	-2,686243339	ENST00000506440	134526	NM_130767	ACOT12
A_21_P0009014	1,64503	3,07108	-2,687099978	ENST00000572479	N/A	N/A	N/A
A_23_P321354	6,47032	7,89646	-2,687267613	ENST00000356838	137835	NM_144649	TMEM71
A_33_P3348001	2,51828	3,94451	-2,687435259	N/A	100130458	XR_158846	LOC100130458
A_22_P00018970	1,55217	2,97876	-2,688105946	N/A	N/A	CX165494	Inc-SETD6-7
A_23_P325887	1,61047	3,03791	-2,689690178	ENST00000357242	54885	NM_017752	TBC1D8B
A_22_P00010477	1,48433	2,91204	-2,6901936	N/A	N/A	DA723373	Inc-NAPG-4
A_21_P0012368	3,05879	4,48684	-2,690827672	N/A	N/A	N/A	XLOC_I2_009639
A_33_P3406552	1,63012	3,05858	-2,691592488	ENST00000295052	N/A	N/A	N/A
A_21_P0006901	2,05503	3,48358	-2,691760404	N/A	N/A	N/A	Inc-CNNM1-2
A_21_P0012897	2,41729	3,84586	-2,69179772	N/A	N/A	N/A	XLOC_I2_011987
A_33_P3388636	3,64995	5,07897	-2,692637466	N/A	643549	AK097925	LOC643549
A_23_P4899	9,21901	10,6483	-2,69314144	ENST00000593537	4909	NM_006179	NTF4



A_24_P468810	8,72989	10,1592	-2,693178775	ENST00000373493	5928	NM_005610	RBBP4
A_22_P00018453	3,79216	5,22149	-2,693216111	N/A	N/A	BG207095	Inc-TMCO1-1
A_22_P00014379	1,63774	3,0671	-2,693272115	N/A	N/A	N/A	Inc-SEZ6-1
A_32_P131031	4,42836	5,85892	-2,695513248	ENST00000589011	346389	NM_182762	MACC1
A_33_P3299565	1,66943	3,10131	-2,697980648	ENST00000470811	389170	NM_001004316	LEKR1
A_21_P0014917	2,82203	4,25425	-2,698616556	N/A	N/A	XR_133091	Inc-AC016251.1-1
A_33_P3282474	3,19773	4,63043	-2,699514564	N/A	N/A	N/A	N/A
A_23_P368225	6,75151	8,18453	-2,700113402	ENST00000507616	146956	NM_152463	EME1
A_33_P3306654	2,19225	3,62678	-2,702940961	ENST00000414120	100131551	NR_024480	LINC00887
A_33_P3367692	8,662	10,0967	-2,703259481	ENST00000367429	3075	NM_001014975	CFH
A_21_P0013179	1,53983	2,9747	-2,703578038	ENST00000419463	102659288	NR_110014	LOC102659288
A_21_P0014696	3,20484	4,64039	-2,704852643	N/A	83473	XM_006722554	KATNAL2
A_33_P3379406	2,44319	3,87877	-2,704908889	N/A	9687	BC071853	GREB1
A_21_P0000036	3,94137	5,377	-2,705002636	ENST00000619262	201299	NM_145654	RDM1
A_23_P35564	8,46772	9,90347	-2,705227641	ENST00000462434	25956	NM_015490	SEC31B
A_22_P00010394	1,55498	2,99147	-2,706615587	ENST00000484765	100507661	N/A	LOC100507661
A_23_P27332	1,50099	2,93766	-2,706953303	ENST00000570177	6925	NM_003199	TCF4
A_23_P14559	6,99956	8,43624	-2,706972066	ENST00000554756	11035	NM_006871	RIPK3
A_23_P141802	4,41537	5,85215	-2,707159705	ENST00000398019	8710	NM_001040147	SERPINB7
A_33_P3309643	3,46739	4,90452	-2,707816546	N/A	N/A	N/A	N/A
A_23_P136777	1,76434	3,20201	-2,70883027	ENST00000453131	347	NM_001647	APOD
A_21_P0005942	1,71296	3,15071	-2,708980484	N/A	N/A	N/A	Inc-FAM92A1-2
A_22_P00004432	2,53066	3,97039	-2,712700926	N/A	N/A	AF086010	Inc-CORO6-1
A_19_P00319311	1,95342	3,39325	-2,712888963	N/A	N/A	N/A	XLOC_I2_008691
A_22_P00001282	4,09281	5,53275	-2,713095818	ENST00000434150	102724312	NR_125994	LOC102724312
A_22_P00016260	2,4308	3,87103	-2,71364124	ENST00000450843	100131564	N/A	LOC100131564
A_23_P86900	6,80376	8,24403	-2,713716479	ENST00000311181	11041	NM_006876	B4GAT1
A_23_P5131	11,1721	12,6126	-2,714149144	ENST00000577820	51477	NM_016368	ISYNA1
A_21_P0009774	1,39701	2,83761	-2,714337281	N/A	N/A	N/A	Inc-VSIG10L-1
A_33_P3270485	11,5611	13,0019	-2,714713594	ENST00000407418	23466	BC064900	CBX6
A_32_P181077	1,59238	3,03322	-2,714788863	ENST00000495184	81704	NM_203447	DOCK8
A_33_P3240674	9,60719	11,0483	-2,715296983	ENST00000371834	8019	NM_007371	BRD3
A_24_P211842	1,61417	3,05637	-2,717349248	ENST00000413142	283985	NM_178128	FADS6

A_24_P333733	11,6438	13,0866	-2,718479596	ENST00000587797	535	NM_005177	ATP6V0A1
A_24_P372012	7,67118	9,11479	-2,720006313	ENST00000490041	3382	NM_004968	ICA1
A_22_P00002924	1,43857	2,88239	-2,720402269	N/A	N/A	CB961578	Inc-C5orf27-2
A_21_P0002355	5,61017	7,05436	-2,721100045	N/A	N/A	N/A	Inc-SLC4A3-3
A_33_P3224916	1,5153	2,95997	-2,722005534	ENST00000608694	N/A	N/A	N/A
A_22_P00004097	1,43379	2,87951	-2,723987343	N/A	N/A	N/A	Inc-CITED2-3
A_23_P301984	3,99404	5,43979	-2,724043988	ENST00000297324	157773	NM_001007090	C8orf48
A_23_P333683	5,14046	6,58649	-2,724572725	ENST00000495443	285313	NM_178822	IGSF10
A_32_P159651	6,88912	8,33556	-2,725347132	ENST00000263754	8850	NM_003884	KAT2B
A_24_P388662	1,34791	2,79443	-2,725498261	ENST00000273936	85438	NM_033122	CABS1
A_23_P134484	1,43852	2,88543	-2,726235138	ENST00000421592	799	NM_001742	CALCR
A_23_P88106	6,06509	7,51235	-2,726896607	ENST00000488765	23263	NM_024979	MCF2L
A_32_P46214	3,34906	4,79638	-2,727010018	ENST00000316549	285195	NM_173653	SLC9A9
A_23_P390148	5,77658	7,22413	-2,727444803	ENST00000259351	9649	NM_014636	RALGPS1
A_33_P3332156	2,84621	4,29442	-2,728692832	ENST00000366788	375057	NM_001003665	C1orf95
A_24_P141332	9,60132	11,0496	-2,728825232	ENST00000423381	818	NM_172171	CAMK2G
A_33_P3246997	6,69558	8,14418	-2,729430572	ENST00000506686	51747	BC056409	LUC7L3
A_33_P3334748	1,54926	2,99798	-2,729657609	N/A	N/A	CN282820	N/A
A_24_P6517	3,67582	5,12463	-2,729827899	ENST00000367328	57480	NM_001029884	PLEKHG1
A_33_P3248799	1,50103	2,95055	-2,731171672	ENST00000546248	10345	NM_001256022	TRDN
A_24_P141214	11,237	12,6873	-2,732648693	ENST00000286713	2040	NM_198194	STOM
A_24_P90216	11,1542	12,6047	-2,733027545	ENST00000379214	55366	NM_018490	LGR4
A_22_P00000767	3,53365	4,98475	-2,734164415	N/A	102724927	NR_120311	LOC102724927
A_32_P43717	2,497	3,94816	-2,734278128	ENST00000469179	9413	NM_004816	FAM189A2
A_33_P3403107	5,29847	6,74966	-2,734334987	ENST00000341747	284338	NM_199285	PRR19
A_33_P3306823	4,92578	6,37745	-2,73524488	ENST00000397902	162993	NM_001077624	ZNF846
A_23_P104798	11,0814	12,5337	-2,736439575	ENST00000528832	3606	NM_001562	IL18
A_23_P56759	8,43624	9,88876	-2,736856893	ENST00000347055	51315	NM_016618	KRCC1
A_23_P92161	9,13175	10,5843	-2,736913805	ENST00000320767	80117	NM_025047	ARL14
A_22_P00005031	3,62794	5,08054	-2,737008661	ENST00000537280	N/A	DB035218	N/A
A_24_P53976	12,1272	13,5802	-2,737767626	ENST00000491322	2752	NM_002065	GLUL
A_33_P3279841	13,0198	14,4728	-2,737767626	ENST00000610761	23162	NM_015133	MAPK8IP3
A_33_P3417195	5,90921	7,36232	-2,737976378	ENST00000335108	388407	NM_203425	C17orf82

A_21_P0012194	1,75115	3,20435	-2,738147188	ENST00000437194	101927973	XR_244300	LOC101927973
A_22_P00019007	2,62648	4,07968	-2,738147188	N/A	101929124	NR_110427	LOC101929124
A_21_P0006408	2,00233	3,45632	-2,73964697	ENST00000433747	4281	XR_247298	MID1
A_22_P00010929	1,36551	2,81965	-2,739931832	ENST00000426008	100287366	N/A	OSTM1-AS1
A_21_P0009408	4,43977	5,89393	-2,739969815	N/A	101927471	XR_243725	LOC101927471
A_24_P259607	1,75468	3,20916	-2,740577628	ENST00000366878	55061	NM_017982	SUSD4
A_33_P3286162	4,69647	6,15108	-2,74082459	N/A	N/A	N/A	N/A
A_21_P0013702	1,97848	3,43374	-2,742059735	ENST00000423515	101927575	NR_110995	LOC101927575
A_23_P36882	3,15248	4,60794	-2,742439891	ENST00000550879	4922	NM_006183	NTS
A_21_P0005474	1,64306	3,09873	-2,742839112	N/A	7291	N/A	TWIST1
A_22_P00002841	1,99718	3,45286	-2,742858124	N/A	N/A	N/A	Inc-C3orf23-2
A_33_P3295029	4,22367	5,67938	-2,742915161	ENST00000405109	166348	NM_207335	KBTBD12
A_23_P67529	12,7918	14,2479	-2,743656746	ENST00000262888	3783	NM_002250	KCNN4
A_33_P3286859	1,8206	3,27677	-2,743789873	ENST00000255283	51761	NM_016529	ATP8A2
A_32_P32905	2,00015	3,45672	-2,744550718	N/A	64769	NM_022756	MEAF6
A_23_P101480	5,96481	7,42146	-2,744702913	ENST00000251472	22983	NM_014975	MAST1
A_21_P0007531	1,55122	3,00969	-2,748167617	N/A	101928387	XR_242921	LOC101928387
A_23_P253958	4,8846	6,34335	-2,748701036	ENST00000485478	10234	NM_005824	LRRRC17
A_33_P3338733	8,90149	10,3604	-2,749005894	ENST00000394351	4286	NM_198159	MITF
A_33_P3254708	4,42362	5,88285	-2,749615711	ENST00000373345	343578	NM_001164431	ARHGAP40
A_21_P0004940	1,52881	2,98857	-2,750626017	N/A	N/A	N/A	Inc-LAMA2-1
A_33_P3407895	9,80054	11,2604	-2,750816682	ENST00000589111	126432	NM_001195833	RINL
A_32_P453321	2,23261	3,69287	-2,751579476	ENST00000357508	339541	NM_001145636	C1orf228
A_33_P3255627	3,27631	4,73674	-2,751903728	ENST00000414720	284323	NM_001142579	ZNF780A
A_21_P0014134	1,40987	2,87035	-2,751999103	N/A	2121	XR_427477	EVC
A_33_P3333058	1,54323	3,00409	-2,752724064	N/A	N/A	N/A	N/A
A_33_P3209167	1,48238	2,94418	-2,754518209	N/A	N/A	N/A	Inc-PQLC2-1
A_33_P3663705	9,50902	10,9709	-2,754670956	ENST00000375541	9696	NM_014675	CROCC
A_23_P130027	9,95853	11,4209	-2,755606717	ENST00000268933	55040	NM_017957	EPN3
A_33_P3268910	8,67238	10,1352	-2,75646637	ENST00000505319	10252	NM_001258038	SPRY1
A_21_P0001064	1,41741	2,88105	-2,758033537	ENST00000456026	101929631	N/A	LOC101929631
A_21_P0005818	5,05178	6,5157	-2,758568872	N/A	100507420	NR_121621	LOC100507420
A_22_P00016796	1,36063	2,82502	-2,759467703	ENST00000557518	N/A	BM990698	N/A

A_22_P00025357	1,55318	3,01785	-2,760003315	ENST00000459855	N/A	N/A	N/A
A_22_P00015197	2,23513	3,70028	-2,760921751	N/A	347689	NR_075091	SOX2-OT
A_33_P3334877	1,68621	3,15171	-2,761591636	ENST00000400374	386672	NM_198687	KRTAP10-4
A_21_P0003454	3,56848	5,03427	-2,762146806	N/A	N/A	N/A	Inc-CCKAR-1
A_33_P3297930	3,4717	4,93773	-2,762606342	ENST00000481785	1296	NM_005202	COL8A2
A_21_P0009513	1,57582	3,04191	-2,762721238	N/A	N/A	N/A	Inc-METTL4-1
A_21_P0009114	6,96301	8,42953	-2,763544799	N/A	101928659	XR_243494	LOC101928659
A_22_P00014143	2,09337	3,56084	-2,765365165	N/A	101928389	XR_247302	LOC101928389
A_21_P0010112	2,34539	3,81292	-2,765480175	N/A	N/A	N/A	Inc-FOXA2-3
A_32_P206839	8,60813	10,0768	-2,767666288	ENST00000565283	100288911	NR_037631	LOC100288911
A_24_P48898	9,40801	10,8769	-2,768088368	ENST00000249066	23780	NM_145637	APOL2
A_33_P3391120	3,67449	5,14339	-2,768107555	N/A	N/A	N/A	N/A
A_23_P103256	9,66882	11,1381	-2,768836759	ENST00000367427	10878	NM_021023	CFHR3
A_33_P3677559	1,9935	3,4631	-2,769450975	N/A	100129461	NR_126015	LOC100129461
A_33_P3373119	2,81528	4,28493	-2,769546958	N/A	N/A	N/A	N/A
A_21_P0009055	2,92754	4,39742	-2,769988525	ENST00000624829	101927957	NR_126330	LINC01572
A_21_P0010913	1,43274	2,90275	-2,770238138	ENST00000432452	N/A	N/A	N/A
A_33_P3257683	1,68677	3,15784	-2,77227428	N/A	N/A	N/A	N/A
A_23_P99693	7,28766	8,7588	-2,772408794	ENST00000358738	22890	NM_014950	ZBTB1
A_33_P3283054	3,69343	5,16542	-2,77404271	N/A	N/A	N/A	N/A
A_23_P23966	7,81348	9,2855	-2,774100395	ENST00000591025	118738	NM_153034	ZNF488
A_23_P215419	9,7513	11,224	-2,775408248	ENST00000422063	3382	NM_004968	ICA1
A_21_P0000917	3,34051	4,81504	-2,778930974	N/A	N/A	N/A	Inc-CHD1L-1
A_23_P73150	2,20357	3,67884	-2,780356734	ENST00000591658	83538	NM_031421	TTC25
A_23_P74870	1,44051	2,91713	-2,782959667	ENST00000367758	80133	NM_025063	MROH9
A_23_P137173	4,21817	5,69596	-2,785217513	ENST00000289373	11013	NM_021992	TMSB15A
A_32_P110472	1,61542	3,09403	-2,786801027	ENST00000229447	389434	NM_203395	IYD
A_23_P72462	3,38914	4,86812	-2,787515834	ENST00000357084	487	NM_173201	ATP2A1
A_33_P3330972	1,64952	3,12877	-2,788037566	N/A	N/A	N/A	N/A
A_33_P3593774	4,92824	6,4077	-2,788443424	ENST00000423209	8503	NM_001303429	PIK3R3
A_32_P129894	5,11942	6,59917	-2,789003993	ENST00000373930	1955	NM_001080497	MEGF9
A_23_P390700	1,58461	3,0646	-2,789467998	ENST00000550305	1272	NM_001843	CNTN1
A_21_P0010504	2,22597	3,70599	-2,789526003	N/A	100124700	N/A	HOTAIR

A_22_P00012247	1,69168	3,17194	-2,789990095	ENST00000502071	101928580	NR_120556	LOC101928580
A_33_P3389603	1,63603	3,11638	-2,790164149	N/A	100128477	AK131572	LOC100128477
A_33_P3418662	5,58537	7,06593	-2,790570317	ENST00000375262	3293	NM_000197	HSD17B3
A_23_P23155	2,20522	3,68582	-2,790647689	ENST00000378191	55966	NM_018836	AJAP1
A_33_P6806243	1,3634	2,84444	-2,791498924	ENST00000423770	100132987	NR_038985	LINC00856
A_21_P0000303	5,41714	6,89822	-2,791576322	N/A	654321	NR_002921	SNORA75
A_22_P00005065	1,48024	2,96176	-2,79242784	ENST00000541749	101929027	XR_242942	LOC101929027
A_22_P00005923	1,7681	3,25065	-2,794422182	N/A	221883	NR_002795	HOXA11-AS
A_24_P280983	2,02464	3,50735	-2,794732111	N/A	221883	N/A	HOXA11-AS
A_21_P0010507	1,62417	3,10702	-2,795003326	N/A	100996583	NR_121638	LOC100996583
A_23_P50638	9,08792	10,5709	-2,795255193	ENST00000306390	116844	NM_052972	LRG1
A_21_P0013596	2,95565	4,43925	-2,796456716	ENST00000428292	N/A	N/A	N/A
A_23_P62607	7,31416	8,79791	-2,796747484	ENST00000270800	58985	NM_021258	IL22RA1
A_33_P3242062	1,41066	2,89492	-2,797736323	N/A	N/A	N/A	N/A
A_33_P3342752	1,42415	2,90848	-2,797872074	ENST00000366873	388743	N/A	CAPN8
A_23_P36018	10,2284	11,7132	-2,79878371	ENST00000326621	23584	NM_014312	VSIG2
A_32_P427222	2,76598	4,25125	-2,799695644	ENST00000487979	339766	NM_001287395	MROH2A
A_23_P435477	1,43462	2,9202	-2,800297295	ENST00000614424	84000	NM_001077263	TMPRSS13
A_21_P0010123	1,67262	3,15836	-2,800607876	N/A	N/A	N/A	Inc-ZFP64-4
A_21_P0000431	1,46205	2,9479	-2,800821419	N/A	767563	NR_003231	SNORD113-3
A_22_P00021224	1,97238	3,45861	-2,801559242	N/A	N/A	BC036408	Inc-PARN-7
A_21_P0003783	2,02248	3,50875	-2,801636918	ENST00000504755	N/A	N/A	N/A
A_19_P00322276	3,80086	5,28776	-2,802860612	ENST00000511919	285419	NR_027105	LINC01091
A_24_P353638	3,80566	5,29378	-2,805231824	ENST00000621377	57823	NM_021181	SLAMF7
A_23_P427148	6,15052	7,63877	-2,805484613	ENST00000439862	147011	NM_152465	PROCA1
A_24_P234732	7,20988	8,69855	-2,806301469	ENST00000337190	10608	NM_006454	MXD4
A_24_P29117	2,57862	4,06783	-2,807352063	ENST00000622731	10861	NM_134425	SLC26A1
A_33_P3313125	3,63192	5,12116	-2,807410441	N/A	N/A	N/A	Inc-FAM189A2-1
A_22_P00015419	6,10262	7,59194	-2,807566121	ENST00000581657	N/A	N/A	N/A
A_33_P3305250	1,43402	2,92371	-2,808286254	N/A	N/A	N/A	N/A
A_33_P3343390	5,30956	6,79948	-2,808733998	N/A	N/A	AF289562	N/A
A_33_P3419239	1,47604	2,96627	-2,809337591	ENST00000446837	64446	NM_023036	DNAI2
A_21_P0014886	4,35672	5,84701	-2,809454431	N/A	N/A	N/A	Inc-TMEM234-1

A_33_P3228455	3,38573	4,87638	-2,81015557	ENST00000603449	5349	NM_001136009	FXYD3
A_21_P0000116	5,70337	7,19472	-2,811519397	ENST00000616003	4281	NM_001193278	MID1
A_21_P0002488	1,74941	3,24084	-2,811675305	N/A	N/A	N/A	Inc-EDAR-5
A_23_P354908	1,6876	3,17904	-2,811694794	ENST00000287713	23057	NM_015039	NMNAT2
A_24_P379353	6,99827	8,48974	-2,811753262	ENST00000460543	149473	NM_152499	CCDC24
A_23_P148015	2,04485	3,53653	-2,812162573	ENST00000618960	8313	NM_004655	AXIN2
A_23_P218858	1,80245	3,29419	-2,81227953	ENST00000284322	25890	NM_015429	ABI3BP
A_24_P257478	1,44344	2,9356	-2,813098365	ENST00000399126	84570	NM_198721	COL25A1
A_33_P3312251	1,44133	2,93379	-2,813683393	N/A	N/A	N/A	N/A
A_32_P114284	9,55494	11,0475	-2,81387843	ENST00000457361	22807	NM_001079526	IKZF2
A_22_P00002371	1,34975	2,84362	-2,816434656	ENST00000500610	338811	AK128013	FAM19A2
A_21_P0011918	1,62473	3,11924	-2,817684343	ENST00000443237	N/A	N/A	N/A
A_23_P372096	6,94517	8,43976	-2,817840593	ENST00000326071	140688	AK097804	NOL4L
A_24_P413470	4,76167	6,25641	-2,818133585	ENST00000603362	7161	NM_005427	TP73
A_19_P00315518	4,06858	5,56366	-2,818797813	ENST00000427157	101927686	NR_125844	LOC101927686
A_23_P68700	2,94712	4,44239	-2,819169068	ENST00000402202	54943	NM_017833	DNAJC28
A_22_P00018831	4,41511	5,91042	-2,819247233	N/A	N/A	N/A	Inc-PPM1D-1
A_23_P352619	1,96132	3,45695	-2,819872631	ENST00000361717	92610	NM_052864	TIFA
A_23_P256956	9,70644	11,2023	-2,820322222	ENST00000502338	10112	NM_005733	KIF20A
A_22_P00001614	6,10322	7,59939	-2,820928306	ENST00000559321	N/A	N/A	N/A
A_21_P0006157	1,56564	3,06199	-2,821280285	N/A	N/A	N/A	Inc-OSTF1-1
A_23_P75786	8,31486	9,81145	-2,821749659	ENST00000543406	51296	NM_016582	SLC15A3
A_32_P471485	1,57797	3,0746	-2,821827895	ENST00000395260	219790	NM_001282941	RTKN2
A_23_P140434	7,96874	9,46665	-2,824332612	ENST00000261839	55930	NM_018728	MYO5C
A_33_P3231076	6,43369	7,93191	-2,824939558	N/A	100132707	NR_024477	PAXIP1-AS2
A_22_P00025310	1,99379	3,49226	-2,825429125	ENST00000520696	N/A	N/A	N/A
A_22_P00013716	1,72021	3,21885	-2,825762079	N/A	101927045	NR_110032	LOC101927045
A_33_P3408443	1,69815	3,19692	-2,826016717	ENST00000566952	N/A	N/A	N/A
A_33_P3317790	1,58298	3,08282	-2,82811346	ENST00000263598	3933	NM_001252619	LCN1
A_23_P133543	7,07418	8,57482	-2,829682134	ENST00000309755	26249	NM_017415	KLHL3
A_21_P0014195	5,72963	7,23039	-2,82991751	N/A	N/A	XR_108794	N/A
A_33_P3392517	5,3424	6,84335	-2,830290229	ENST00000377566	85474	NM_001009812	LBX2
A_33_P3407289	2,40632	3,90777	-2,831271302	N/A	283788	NR_027436	LOC283788

A_24_P919452	5,63227	7,13404	-2,831899368	N/A	N/A	N/A	N/A
A_23_P201248	6,31605	7,81782	-2,831899368	ENST00000367134	115019	NM_052934	SLC26A9
A_21_P0013696	1,62705	3,129	-2,832252716	ENST00000427989	N/A	XM_006726491	N/A
A_22_P00010225	1,50049	3,00246	-2,83229198	N/A	101928279	N/A	LOC101928279
A_21_P0013560	1,4339	2,93636	-2,833254109	N/A	N/A	N/A	XLOC_I2_014757
A_23_P99386	3,20469	4,70737	-2,833686192	ENST00000398795	8600	NM_003701	TNFSF11
A_21_P0012229	1,53879	3,04236	-2,835434835	ENST00000433303	101927973	N/A	LOC101927973
A_24_P186342	4,09613	5,6004	-2,83681093	ENST00000270001	57677	NM_020917	ZFP14
A_23_P201079	5,84394	7,34834	-2,837066564	ENST00000376048	7799	NM_012231	PRDM2
A_33_P3214159	3,86042	5,36492	-2,837263221	ENST00000269141	1000	NM_001792	CDH2
A_21_P0011762	3,28727	4,79296	-2,83960449	ENST00000599707	284379	N/A	LOC284379
A_21_P0000320	3,80271	5,30925	-2,841278007	N/A	677813	NR_002966	SNORA30
A_23_P393880	3,34267	4,84924	-2,84133709	ENST00000251691	57221	NM_020340	KIAA1244
A_33_P3241046	1,35852	2,86525	-2,841652222	N/A	N/A	N/A	N/A
A_23_P28920	1,52295	3,03016	-2,842597827	ENST00000377428	140856	NM_178483	SCP2D1
A_21_P0000594	1,4734	2,98193	-2,845199865	N/A	100379249	N/A	BOK-AS1
A_24_P303524	12,3338	13,8424	-2,845337918	ENST00000297508	79778	NM_182924	MICALL2
A_33_P3227443	10,3702	11,88	-2,847705588	ENST00000329410	283897	NM_175900	C16orf54
A_33_P3777207	2,44794	3,95936	-2,850905068	ENST00000469962	79258	NM_033467	MMEL1
A_22_P00014935	1,78576	3,29817	-2,852862075	ENST00000457672	N/A	N/A	N/A
A_24_P23546	2,06868	3,58143	-2,853534489	ENST00000617581	221833	NM_198956	SP8
A_22_P00009114	1,95722	3,47019	-2,853969664	N/A	N/A	N/A	Inc-LIN7A-1
A_21_P0005007	2,67268	4,18576	-2,854187277	N/A	N/A	N/A	Inc-DEK-1
A_33_P3376140	4,59074	6,10383	-2,854207061	ENST00000398932	3772	NM_170736	KCNJ15
A_23_P129695	7,36634	8,88018	-2,855691236	ENST00000304735	114990	NM_138440	VASN
A_23_P5778	5,82411	7,33797	-2,855730824	ENST00000414278	64284	NM_022449	RAB17
A_24_P346431	9,60299	11,1169	-2,855829798	ENST00000311160	64759	NM_022748	TNS3
A_33_P3544856	1,699	3,21322	-2,856443512	N/A	N/A	AK090616	Inc-ERC1-1
A_23_P218434	10,2451	11,7596	-2,856997948	ENST00000300823	7769	NM_001032374	ZNF226
A_33_P3375556	1,4299	2,94537	-2,858919504	N/A	N/A	N/A	N/A
A_23_P201808	9,41686	10,9329	-2,860049269	ENST00000371250	8613	NM_003713	PPAP2B
A_33_P3423240	2,20396	3,72144	-2,862905401	ENST00000374359	N/A	N/A	N/A
A_23_P28507	2,50285	4,02081	-2,863858078	ENST00000409391	11320	NM_012214	MGAT4A

A_21_P0000681	1,64892	3,16691	-2,863917631	ENST00000483717	100271835	NR_027145	LIMS3-LOC440895
A_33_P3423320	1,38779	2,90628	-2,864910361	ENST00000533152	N/A	N/A	N/A
A_24_P402690	10,8264	12,3455	-2,866121958	ENST00000326427	81618	NM_030926	ITM2C
A_33_P3340613	2,97719	4,49679	-2,867115453	ENST00000610473	100133036	NR_026759	FAM95B1
A_22_P00012585	1,45024	2,97037	-2,868168933	ENST00000563722	N/A	BC065363	N/A
A_24_P363583	3,94574	5,46685	-2,870117896	ENST00000300176	3268	NM_006076	AGFG2
A_22_P00001600	4,54244	6,06416	-2,871331696	N/A	101559451	NR_103482	LOC101559451
A_23_P314101	4,77779	6,29998	-2,872267268	ENST00000463101	56241	NM_019601	SUSD2
A_21_P0000477	6,02523	7,54748	-2,872386725	N/A	100124539	NR_003709	SNORA11B
A_33_P3250443	8,51801	10,0406	-2,87306374	ENST00000491993	405753	NM_207581	DUOXA2
A_22_P00013610	1,87832	3,4024	-2,876032542	N/A	100506555	NR_045114	PVRL3-AS1
A_33_P3276100	5,12082	6,6468	-2,879822714	ENST00000409768	100130015	NR_027336	URAHP
A_33_P3390057	12,9433	14,4695	-2,880261898	ENST00000622124	4071	NM_014220	TM4SF1
A_24_P943922	3,80808	5,33453	-2,880761053	ENST00000495994	57685	NM_020925	CACHD1
A_21_P0010448	2,90053	4,42707	-2,88094077	N/A	N/A	N/A	Inc-SMC1B-2
A_21_P0012980	3,56318	5,08998	-2,881460015	ENST00000508395	N/A	N/A	N/A
A_21_P0014597	2,42363	3,95078	-2,882159146	N/A	102724593	XR_428746	LOC102724593
A_33_P3299244	1,49971	3,02691	-2,882259036	N/A	100129089	AK126977	LOC100129089
A_23_P404606	7,90853	9,43591	-2,882618668	ENST00000296953	153222	NM_153607	CREBRF
A_33_P3349265	2,31902	3,84686	-2,883537931	ENST00000371197	389396	NM_001010904	GLYATL3
A_22_P00021451	1,37891	2,90697	-2,883977682	ENST00000515614	N/A	N/A	N/A
A_33_P3887888	3,96514	5,49328	-2,884137608	ENST00000452622	441307	NR_033963	FLJ44511
A_23_P113393	4,17469	5,7031	-2,884677424	N/A	8862	NM_017413	APLN
A_23_P127565	1,61969	3,14837	-2,885217341	ENST00000375615	143903	NM_178834	LAYN
A_23_P210675	4,10478	5,63369	-2,88567735	ENST00000371001	10388	NM_014258	SYCP2
A_23_P361419	7,01723	8,54719	-2,887778324	ENST00000265036	55789	NM_018369	DEPDC1B
A_22_P00021694	4,70029	6,23059	-2,888458967	N/A	N/A	N/A	Inc-ERN2-1
A_22_P00004703	2,53552	4,06682	-2,890461788	N/A	N/A	N/A	Inc-CTD-2523D13.1.1-4
A_22_P00011331	1,42399	2,95545	-2,890782368	N/A	101927380	NR_121183	C9orf41-AS1
A_21_P0010530	2,77198	4,30345	-2,890802406	ENST00000424308	N/A	N/A	N/A
A_21_P0014832	1,48656	3,0189	-2,892546195	N/A	100652931	XR_132690	LOC100652931
A_33_P3257903	3,57614	5,11036	-2,896317978	ENST00000370959	2941	NM_001512	GSTA4
A_23_P69383	9,47781	11,0123	-2,896860073	ENST00000489652	83666	NM_031458	PARP9



A_33_P3278392	2,71766	4,25233	-2,897221527	N/A	27247	BX538347	NFU1
A_22_P00017186	2,01216	3,54692	-2,897402271	N/A	N/A	N/A	Inc-UBXN4-2
A_23_P209564	9,52064	11,0558	-2,898205713	ENST00000375252	79901	NM_024843	CYBRD1
A_32_P56604	5,20616	6,74177	-2,899109851	ENST00000310521	220082	NM_152719	SPERT
A_23_P318904	7,21168	8,7473	-2,899129946	ENST00000367012	56256	NM_019605	SERTAD4
A_33_P3234197	6,86695	8,40348	-2,90095919	ENST00000256649	80263	NM_025188	TRIM45
A_22_P00007788	1,91659	3,45324	-2,901200495	N/A	N/A	AI149719	Inc-HNRNPH1-2
A_24_P212539	5,25721	6,79401	-2,901502154	ENST00000444351	130589	NM_138801	GALM
A_23_P210465	10,9296	12,4667	-2,902105567	ENST00000243924	5266	NM_002638	PI3
A_19_P00315529	1,59747	3,13457	-2,902105567	ENST00000561822	439949	AF088007	PRKCQ-AS1
A_24_P151582	7,17373	8,71143	-2,90331277	ENST00000266304	7008	NM_003216	TEF
A_21_P0000672	1,62453	3,16231	-2,903473768	N/A	283299	NR_036678	LOC283299
A_21_P0003376	1,8575	3,39561	-2,904137981	ENST00000502291	728040	NR_046377	LOC728040
A_21_P0002682	3,03816	4,57658	-2,904762076	N/A	102724081	XR_425486	LOC102724081
A_24_P333571	5,29449	6,83336	-2,90566826	ENST00000370217	9411	BC022483	ARHGAP29
A_24_P75220	1,68462	3,22362	-2,905930099	ENST00000402939	9223	NM_004742	MAGI1
A_33_P3341616	1,60035	3,14007	-2,907380712	ENST00000531871	387751	NR_003945	GVINP1
A_24_P245298	3,8743	5,41427	-2,907884566	ENST00000322272	8742	NM_003809	TNFSF12
A_23_P114670	12,6603	14,2005	-2,908348189	ENST00000378378	27237	NM_014448	ARHGEF16
A_32_P93149	1,75036	3,29298	-2,913230794	ENST00000417796	1662	NM_004398	DDX10
A_23_P46903	5,84327	7,3865	-2,914462826	ENST00000474131	818	NM_172171	CAMK2G
A_32_P206735	3,18174	4,72514	-2,914806272	N/A	55460	AF116655	PRO1082
A_22_P00009824	5,56302	7,10809	-2,918182276	N/A	100507053	NR_037884	LOC100507053
A_33_P3249746	3,92264	5,46771	-2,918182276	ENST00000469622	1577	NM_001190484	CYP3A5
A_23_P306307	1,54768	3,09284	-2,918364327	ENST00000296358	133060	NM_177998	OTOP1
A_33_P3248629	1,34111	2,8868	-2,919436638	ENST00000492720	27147	BC115004	DENND2A
A_23_P71757	1,73026	3,27605	-2,919639005	ENST00000259555	3443	NM_021002	IFNA6
A_23_P171132	1,53496	3,08075	-2,919639005	ENST00000253392	60401	NM_021783	EDA2R
A_22_P00015194	6,81626	8,36229	-2,920124743	N/A	100996842	XR_433328	LOC100996842
A_21_P0012928	4,96847	6,51507	-2,921278694	N/A	N/A	N/A	XLOC_I2_012210
A_21_P0012598	2,39065	3,93759	-2,921967233	N/A	N/A	N/A	XLOC_I2_010724
A_21_P0011784	1,6779	3,22519	-2,922676193	N/A	N/A	N/A	XLOC_I2_007167
A_21_P0003925	2,95818	4,50585	-2,923446115	ENST00000508083	101929082	NR_105010	LINC01333

A_32_P216548	9,4094	10,9572	-2,923709556	ENST00000488127	26119	NM_015627	LDLRAP1
A_33_P3230319	2,28372	3,83157	-2,923810886	N/A	N/A	AK130343	N/A
A_23_P317756	3,56751	5,11658	-2,926284422	ENST00000440284	6296	NM_202000	ACSM3
A_23_P10291	5,73711	7,28662	-2,927177703	ENST00000360218	1510	NM_001910	CTSE
A_23_P103588	1,58573	3,13543	-2,927562559	ENST00000544913	3158	NM_005518	HMGCS2
A_23_P5018	3,85651	5,4072	-2,929572188	N/A	80054	NR_026887	CEBPA-AS1
A_23_P48070	9,31107	10,8618	-2,929653414	ENST00000484795	51147	NM_016162	ING4
A_33_P3404922	5,52267	7,07491	-2,932721348	ENST00000430453	56243	NM_001282770	KIAA1217
A_23_P148327	1,38218	2,93619	-2,936321625	ENST00000376265	778	NM_005183	CACNA1F
A_23_P125643	5,48772	7,04192	-2,936708358	ENST00000546332	140462	NM_001031739	ASB9
A_23_P69089	1,64604	3,20032	-2,936871208	N/A	N/A	AK021889	N/A
A_21_P0002546	1,62791	3,18267	-2,937848499	N/A	101928662	XR_241421	LOC101928662
A_33_P3300600	3,65103	5,21009	-2,946617915	ENST00000541538	125962	NM_001005192	OR7G1
A_33_P3289576	2,88513	4,44511	-2,948497559	ENST00000420999	80258	NM_025184	EFHC2
A_22_P00012526	3,33614	4,89634	-2,948947217	ENST00000433952	101928435	N/A	LOC101928435
A_21_P0007533	1,58756	3,1479	-2,949233399	N/A	N/A	N/A	Inc-PLEKHA5-4
A_24_P380061	2,3384	3,89882	-2,949396943	ENST00000264343	83478	NM_001025616	ARHGAP24
A_21_P0004665	2,4436	4,00416	-2,949683169	ENST00000452402	N/A	N/A	N/A
A_21_P0009153	1,90445	3,46564	-2,950971526	N/A	102723471	XR_424817	LOC102723471
A_21_P0009854	2,06415	3,6254	-2,951094256	ENST00000428009	101927700	N/A	LINC01524
A_33_P3271341	1,47629	3,03771	-2,951442018	ENST00000335616	388282	NM_001278081	LOC388282
A_23_P332584	4,29932	5,86094	-2,951851203	ENST00000370378	23285	NM_015237	KIAA1107
A_33_P3570208	3,73583	5,29771	-2,952383229	N/A	339929	NR_036497	LPP-AS2
A_23_P69030	6,0936	7,65559	-2,952608345	ENST00000273342	1295	NM_001850	COL8A1
A_22_P00023501	1,75401	3,31678	-2,954205119	N/A	N/A	DA496768	Inc-PAX6-1
A_19_P00319698	2,98857	4,5514	-2,954327983	ENST00000601437	N/A	AK130479	N/A
A_23_P409623	6,27609	7,83932	-2,955147211	ENST00000532926	8495	NM_003621	PPFIBP2
A_33_P3283213	3,0772	4,64065	-2,955597882	ENST00000455565	401884	NR_027295	MGC57346
A_33_P3300312	1,5011	3,06603	-2,958631461	ENST00000359586	1755	NM_007329	DMBT1
A_32_P197621	3,67622	5,24194	-2,960252011	N/A	492303	NR_002830	GEMIN8P4
A_23_P346884	1,52037	3,08703	-2,962181416	ENST00000372743	11317	NM_014276	RBPJL
A_21_P0005779	1,60682	3,17445	-2,964173717	N/A	N/A	N/A	Inc-RHPN1-4
A_23_P428298	5,21323	6,78113	-2,964728513	ENST00000244565	222643	NM_173561	UNC5CL

A_33_P3294986	9,83673	11,4048	-2,965077883	ENST00000244289	3991	NM_005357	LIPE
A_23_P303145	1,51971	3,08817	-2,965879533	ENST00000359354	2263	M87772	FGFR2
A_23_P363275	3,2516	4,82044	-2,966660836	ENST00000288912	144406	NM_144668	WDR66
A_23_P250164	1,70248	3,27157	-2,967174964	ENST00000283871	3081	NM_000187	HGD
A_33_P3349676	1,41925	2,99001	-2,970611623	N/A	N/A	N/A	N/A
A_22_P00002654	6,5226	8,09339	-2,970673396	N/A	101929074	NR_126367	PIK3CD-AS2
A_22_P00016245	2,26553	3,83665	-2,971352981	N/A	N/A	BG207095	Inc-TMCO1-1
A_21_P0011131	1,9016	3,47368	-2,973330841	N/A	100101938	N/A	ANKRD26P3
A_21_P0004436	1,97515	3,54743	-2,973743061	N/A	N/A	N/A	Inc-ZNF608-8
A_33_P3420224	5,44822	7,02071	-2,974175953	ENST00000461823	377841	NM_001033113	ENTPD8
A_22_P00002859	5,06505	6,63769	-2,9744852	N/A	N/A	N/A	Inc-C3orf38-1
A_33_P3212860	6,4071	7,98015	-2,97533064	ENST00000339336	401138	NM_212557	AMTN
A_33_P3307133	1,3806	2,95373	-2,975495632	ENST00000421544	2898	NM_021956	GRIK2
A_24_P95154	2,24538	3,81894	-2,976382621	ENST00000508446	7991	NM_178234	TUSC3
A_33_P3350179	1,4384	3,01262	-2,977744559	N/A	N/A	N95477	N/A
A_24_P46093	7,86707	9,4416	-2,978384473	ENST00000622186	6533	NM_003043	SLC6A6
A_21_P0008890	1,52361	3,0982	-2,978508343	ENST00000432973	102723536	N/A	LOC102723536
A_23_P257365	5,31651	6,89243	-2,981255453	ENST00000294702	2672	NM_005263	GFI1
A_23_P363316	8,28527	9,86196	-2,982847043	ENST00000239151	3215	NM_002147	HOXB5
A_33_P3322395	2,41264	3,98938	-2,982950423	N/A	N/A	AK095331	Inc-TAF1C-1
A_33_P3367301	2,05829	3,63511	-2,983115837	N/A	125111	NM_152219	GJD3
A_21_P0005486	1,45071	3,02877	-2,985680935	N/A	N/A	N/A	Inc-HOXA13-1
A_22_P00005363	1,74051	3,31909	-2,986757277	N/A	N/A	N/A	Inc-DRD2-1
A_22_P00025403	1,38836	2,96769	-2,988310378	ENST00000551135	N/A	N/A	N/A
A_33_P3318288	10,9521	12,5317	-2,988869692	ENST00000367429	3075	NM_001014975	CFH
A_23_P348281	6,63415	8,21449	-2,990403163	ENST00000234827	127428	NM_153035	TCEANC2
A_24_P365015	5,34914	6,9295	-2,990444619	ENST00000290295	10481	NM_006361	HOXB13
A_22_P00012000	1,41557	2,99629	-2,991190926	N/A	N/A	N/A	Inc-PLCD1-1
A_23_P349416	9,59974	11,1811	-2,992518156	ENST00000551242	2065	NM_001982	ERBB3
A_23_P217498	8,27329	9,85483	-2,992891545	ENST00000472623	54857	NM_017711	GDPD2
A_24_P918907	1,50544	3,08794	-2,994883741	N/A	154761	NR_015421	LOC154761
A_22_P00015029	5,35132	6,93391	-2,995070578	N/A	100874363	NR_047504	HOXC-AS1
A_33_P3332284	1,60063	3,18369	-2,996046468	ENST00000371337	9528	N/A	TMEM59

A_23_P98995	8,09536	9,67862	-2,996461837	ENST00000548263	57658	NM_020898	CALCOCO1
A_32_P55860	7,07071	8,6543	-2,997147322	ENST00000583976	348235	NM_182620	SKA2
A_23_P129486	10,4967	12,0805	-2,997583621	ENST00000622125	51734	NM_016332	MSRB1
A_23_P86079	8,88369	10,4688	-3,000306732	ENST00000537107	441869	NM_001145210	ANKRD65
A_23_P94275	5,68039	7,26675	-3,002907426	ENST00000220812	27121	NM_014420	DKK4
A_21_P0004142	1,52382	3,11112	-3,004864633	ENST00000511395	N/A	N/A	N/A
A_23_P233	2,28841	3,87653	-3,006573025	ENST00000369272	2330	NM_001461	FMO5
A_22_P00000559	2,62838	4,21652	-3,006614706	ENST00000572036	N/A	FE192720	N/A
A_33_P3283863	2,53937	4,12807	-3,007781987	ENST00000422452	10178	NM_001163278	TENM1
A_21_P0005931	1,39269	2,98253	-3,010159639	N/A	N/A	N/A	Inc-PPP3CC-1
A_33_P3245434	1,38255	2,97286	-3,011140446	N/A	101060376	AK122833	TBC1D3L
A_19_P00315843	8,27245	9,86298	-3,011599657	ENST00000366365	677781	NR_003013	SCARNA16
A_33_P3214550	1,65839	3,24927	-3,012330364	ENST00000318507	3579	NM_001557	CXCR2
A_32_P137266	7,64665	9,23845	-3,014251926	ENST00000461039	84455	XM_006710977	EFCAB7
A_23_P209978	3,67278	5,26497	-3,015066871	ENST00000295156	7447	NM_003385	VSNL1
A_32_P52153	12,1077	13,7002	-3,015714805	N/A	728978	NR_038453	UNC5B-AS1
A_33_P3254660	6,22289	7,81612	-3,017241135	N/A	N/A	AK124971	N/A
A_22_P00024601	1,65208	3,24651	-3,01975185	ENST00000424799	28985	N/A	MCTS1
A_33_P3216207	2,10023	3,69473	-3,019898373	ENST00000418567	102724168	N/A	LOC102724168
A_24_P45446	9,08755	10,6825	-3,020840475	ENST00000471938	115361	NM_052941	GBP4
A_23_P33875	1,60208	3,19712	-3,021028931	ENST00000619890	548313	NM_001034832	SSX4B
A_21_P0005662	1,58864	3,18385	-3,021384935	N/A	101930275	XR_428319	LOC101930275
A_33_P3299761	6,20507	7,80043	-3,021699091	ENST00000579696	25984	NM_015515	KRT23
A_22_P00023603	1,41888	3,01508	-3,023458968	ENST00000577994	729950	NR_040033	LOC729950
A_33_P3267460	1,37292	2,9694	-3,024045822	ENST00000381984	5991	NM_001282117	RFX3
A_22_P00023141	1,64302	3,23985	-3,024779549	ENST00000439876	101929548	NR_121601	FOCAD-AS1
A_23_P50786	3,46334	5,06065	-3,025786092	ENST00000360535	25999	NM_015526	CLIP3
A_23_P57709	7,68163	9,27934	-3,026625135	ENST00000470795	26577	NM_013363	PCOLCE2
A_33_P3741059	6,60526	8,20302	-3,026730031	ENST00000456414	N/A	AL832882	N/A
A_21_P0007980	1,3904	2,9882	-3,026813951	ENST00000437721	102157400	XR_424439	LINC00384
A_22_P00008469	1,46479	3,06331	-3,028324908	N/A	N/A	DB450376	Inc-KCMF1-2
A_33_P3360142	1,6434	3,24236	-3,029248642	ENST00000313940	390195	NM_001004729	OR5AN1
A_22_P00008717	1,46292	3,06263	-3,030823838	N/A	N/A	AK001097	Inc-KIAA1462-2

A_32_P232559	5,58143	7,18119	-3,03092888	ENST00000449648	439949	NR_036502	PRKCQ-AS1
A_22_P00009733	1,61192	3,21203	-3,031664277	ENST00000460471	102724386	NR_120521	LINC01393
A_23_P56746	1,63825	3,23904	-3,033093559	ENST00000188790	2191	NM_004460	FAP
A_21_P0004516	2,07179	3,67297	-3,033913598	N/A	N/A	N/A	Inc-RASA1-4
A_33_P3813128	9,15955	10,7615	-3,035533301	ENST00000434342	6405	NM_004186	SEMA3F
A_33_P3854030	3,61609	5,21808	-3,035617465	ENST00000407073	55777	NM_018328	MBD5
A_22_P00018202	3,01151	4,61351	-3,035638506	ENST00000569932	N/A	AF070579	N/A
A_19_P00328832	1,60916	3,21124	-3,035806842	N/A	284837	NR_026961	AATBC
A_32_P96036	5,37885	6,98143	-3,036859155	ENST00000532414	92312	NM_001093725	MEX3A
A_33_P3332492	6,42074	8,02371	-3,037680212	ENST00000368695	92565	NM_145235	FANK1
A_21_P0012925	4,33612	5,93936	-3,038248766	N/A	N/A	N/A	XLOC_I2_012210
A_33_P3216890	5,05107	6,65476	-3,039196593	ENST00000523463	55824	NM_018440	PAG1
A_22_P00015193	1,61059	3,21488	-3,040460823	ENST00000566529	N/A	CR627168	N/A
A_33_P3437273	2,72182	4,32748	-3,043349451	N/A	84843	BC007304	LOC84843
A_21_P0014934	2,50725	4,11327	-3,044108962	ENST00000392695	100506124	NR_045375	LOC100506124
A_23_P2283	2,02599	3,63217	-3,044446583	ENST00000393867	6866	NM_013251	TAC3
A_21_P0000709	1,65431	3,26084	-3,04518526	ENST00000507794	285540	NR_037934	SEPSECS-AS1
A_22_P00005095	1,68918	3,29631	-3,04645198	N/A	N/A	N/A	Inc-DGKH-1
A_22_P00007882	1,60039	3,20818	-3,047845981	ENST00000422833	N/A	N/A	N/A
A_21_P0014401	8,05028	9,65825	-3,048226274	N/A	101927355	XR_244184	LOC101927355
A_22_P00015417	1,67668	3,2847	-3,048331919	ENST00000584075	N/A	BX114010	N/A
A_22_P00017999	1,57014	3,1782	-3,048416438	N/A	N/A	AK096040	Inc-ZNF132-1
A_23_P364414	1,52793	3,13601	-3,048458698	ENST00000616887	56107	NM_032089	PCDHGA9
A_21_P0014210	3,94526	5,55405	-3,049959319	N/A	101927172	XR_242411	LOC101927172
A_33_P3235546	1,71951	3,32872	-3,050847358	ENST00000372683	9783	NM_014747	RIMS3
A_22_P00016385	1,96305	3,57236	-3,051058834	ENST00000413991	N/A	N/A	N/A
A_23_P118536	6,29427	7,90483	-3,053703521	ENST00000479326	55106	NM_018042	SLFN12
A_33_P3369401	4,57202	6,1828	-3,054169223	ENST00000216862	1591	NM_000782	CYP24A1
A_21_P0008775	1,49417	3,1059	-3,056181025	N/A	N/A	N/A	Inc-DET1-2
A_21_P0004462	2,59866	4,21096	-3,057388742	N/A	N/A	N/A	Inc-GABRB2-2
A_33_P3321781	10,4248	12,0371	-3,057388742	ENST00000585065	N/A	XR_429999	N/A
A_33_P3275943	2,06997	3,68242	-3,057706641	ENST00000521424	114825	NM_052927	PWWP2A
A_23_P128281	5,3196	6,93223	-3,058088164	ENST00000381903	3823	NM_007333	KLRC3

A_24_P28977	3,03369	4,64704	-3,059614733	ENST00000273482	7220	NM_003304	TRPC1
A_33_P3272395	1,90255	3,51634	-3,060548011	ENST00000356407	401409	NM_001008749	RAB19
A_22_P00009608	1,54327	3,15718	-3,060802591	N/A	102724391	XR_424834	LOC102724391
A_21_P0010666	1,69904	3,31383	-3,062670157	N/A	N/A	N/A	XLOC_I2_001255
A_22_P00004758	3,84381	5,45881	-3,063115994	N/A	101927932	NR_126334	LOC101927932
A_24_P36285	7,48762	9,10287	-3,063646838	ENST00000591551	7767	NM_013398	ZNF224
A_23_P76386	2,63723	4,25248	-3,063646838	ENST00000424061	6539	NM_003044	SLC6A12
A_21_P0009155	10,1761	11,7916	-3,064177773	ENST00000585065	N/A	XR_429999	N/A
A_24_P912048	5,06475	6,68146	-3,066748802	ENST00000563590	399693	NM_001291516	MGC50722
A_23_P108244	14,0812	15,6982	-3,067365319	ENST00000392201	1340	NM_001863	COX6B1
A_33_P3308432	5,93346	7,5519	-3,070428483	N/A	N/A	N/A	N/A
A_23_P125286	2,31288	3,93302	-3,074048656	ENST00000328942	23538	NM_012375	OR52A1
A_21_P0004924	2,1483	3,76992	-3,077203811	N/A	N/A	N/A	Inc-RFPL4B-4
A_32_P214340	4,98906	6,61079	-3,077438445	N/A	N/A	N/A	Inc-AKIRIN1-1
A_22_P00005738	3,36836	4,99175	-3,080981458	ENST00000599704	2014	N/A	EMP3
A_21_P0009339	1,64698	3,27093	-3,082177611	ENST00000576313	N/A	N/A	N/A
A_23_P132147	1,43685	3,06118	-3,082989551	ENST00000624901	1409	NM_000394	CRYAA
A_22_P00003783	3,23885	4,8634	-3,08345972	ENST00000471797	285973	NM_173681	ATG9B
A_21_P0014202	1,47005	3,09665	-3,087844281	N/A	100506881	NR_125364	MKLN1-AS
A_33_P3336686	10,9116	12,5393	-3,090199543	N/A	9022	NM_004669	CLIC3
A_33_P3780123	1,59171	3,21998	-3,091420703	N/A	N/A	AK057627	Inc-CX3CR1-2
A_22_P00016656	7,06483	8,69311	-3,091442131	ENST00000414085	101927355	XR_244184	LOC101927355
A_21_P0012683	1,87815	3,50661	-3,091827864	N/A	N/A	N/A	XLOC_I2_011283
A_24_P230948	6,14325	7,77243	-3,093371275	ENST00000463106	8863	NM_016831	PER3
A_19_P00809417	6,41648	8,04756	-3,097447866	ENST00000570163	80063	BC041882	ATF7IP2
A_33_P3264735	1,56243	3,19362	-3,097684043	N/A	N/A	BC131768	N/A
A_23_P251293	8,5522	10,184	-3,098994082	ENST00000465679	6623	NM_003087	SNCG
A_33_P3373200	1,61487	3,24685	-3,099380757	N/A	N/A	N/A	N/A
A_33_P3365864	6,94685	8,57939	-3,100584054	ENST00000341071	55108	NM_001143888	BSDC1
A_33_P3436646	5,04416	6,6769	-3,101013916	N/A	151657	AK091114	LOC151657
A_33_P3233580	5,32964	6,96269	-3,10168032	N/A	56243	NM_001282769	KIAA1217
A_23_P18078	1,69952	3,33259	-3,101723318	ENST00000498640	5918	NM_206963	RARRES1
A_22_P00023582	1,71294	3,34602	-3,101744818	ENST00000422118	N/A	N/A	N/A

A_24_P202905	1,49388	3,12759	-3,103099592	ENST00000334165	140290	NM_144659	TCP10L
A_23_P364544	5,36618	7,00021	-3,103787958	ENST00000330828	144608	NM_175874	C12orf60
A_22_P00015308	6,01909	7,65463	-3,107038245	ENST00000562701	27040	NM_014387	LAT
A_22_P00013983	3,69311	5,32914	-3,108093705	ENST00000440726	N/A	N/A	N/A
A_33_P3281283	1,84429	3,48093	-3,109408147	ENST00000375846	1903	NM_005226	S1PR3
A_23_P169819	1,444	3,08112	-3,110442852	ENST00000336596	2042	NM_005233	EPHA3
A_23_P140614	1,9161	3,5538	-3,11169358	ENST00000605665	728047	NM_001277308	GOLGA80
A_24_P237912	1,48635	3,12422	-3,112060269	ENST00000425618	285966	NM_001130026	TCAF2
A_22_P00018829	4,02446	5,66243	-3,112275988	ENST00000412639	102724571	XR_426651	LOC102724571
A_23_P43898	6,78595	8,42466	-3,113872773	ENST00000370383	253152	NM_173567	EPHX4
A_23_P84219	7,96376	9,60339	-3,115859109	ENST00000296252	200879	NM_139248	LIPH
A_22_P00015767	1,36397	3,00363	-3,115923902	ENST00000412701	N/A	N/A	N/A
A_22_P00014591	1,59619	3,23594	-3,11611829	N/A	N/A	N/A	Inc-SLC12A7-2
A_23_P38167	12,9375	14,5774	-3,116442296	ENST00000577663	55890	NM_022036	GPRC5C
A_23_P43415	3,75237	5,39258	-3,117112015	ENST00000375263	3293	NM_000197	HSD17B3
A_33_P3792328	2,63113	4,27154	-3,117544169	ENST00000306024	27258	AK092130	LSM3
A_33_P3399534	1,76437	3,40513	-3,118300581	N/A	26767	NR_004386	RNU105B
A_21_P0006951	1,71871	3,36119	-3,122020477	N/A	N/A	N/A	Inc-PITRM1-5
A_23_P100539	5,17393	6,81687	-3,123016085	ENST00000576204	368	NM_001171	ABCC6
A_21_P0003759	1,71463	3,358	-3,123947049	N/A	N/A	N/A	Inc-SEC24D-1
A_33_P3865368	6,40035	8,04386	-3,124250214	N/A	254896	NR_046173	LOC254896
A_33_P3406090	5,81605	7,45964	-3,124423464	N/A	N/A	N/A	N/A
A_32_P214284	1,71278	3,35704	-3,12587481	ENST00000608206	100129516	XR_159429	LOC100129516
A_21_P0000154	4,08107	5,72534	-3,125896477	N/A	50859	NM_001204358	SPOCK3
A_23_P166297	5,72814	7,37252	-3,126134823	ENST00000398437	9619	NM_207627	ABCG1
A_33_P3307486	4,47178	6,11645	-3,126763279	ENST00000619976	11276	NM_001163547	SYNRG
A_21_P0013177	2,94908	4,59433	-3,12802057	N/A	N/A	N/A	XLOC_I2_013293
A_33_P3315284	3,09519	4,7414	-3,130102714	ENST00000305620	121391	NM_175053	KRT74
A_21_P0014128	1,53856	3,185	-3,130601767	N/A	N/A	AK126946	Inc-ECT2-1
A_33_P3351027	2,30932	3,95579	-3,130666867	ENST00000357039	5828	NM_001172086	PEX2
A_21_P0009179	2,54529	4,192	-3,131187713	N/A	N/A	N/A	Inc-C17orf80-1
A_23_P42386	6,23505	7,88178	-3,131231121	ENST00000610310	1081	NM_000735	CGA
A_33_P3387005	2,11055	3,75819	-3,133206812	N/A	100132069	AK123509	LOC100132069

A_23_P4679	8,79322	10,441	-3,133510875	ENST00000222329	2077	NM_006494	ERF
A_33_P3388061	1,36781	3,01635	-3,135162018	ENST00000333892	337978	NM_181617	KRTAP21-2
A_33_P3253465	1,59628	3,24489	-3,13531414	N/A	100131654	AK124891	LOC100131654
A_23_P45799	5,9426	7,59134	-3,135596674	ENST00000371566	4998	NM_004153	ORC1
A_22_P00022098	2,59722	4,24597	-3,135618408	ENST00000610202	100506286	XR_109926	LOC100506286
A_23_P89981	2,20662	3,85603	-3,13705321	N/A	1572	N/A	CYP2F1
A_24_P299474	2,15211	3,80248	-3,139141367	ENST00000545108	57451	NM_001122679	TENM2
A_23_P19673	10,4002	12,0509	-3,139859491	ENST00000367857	6446	NM_005627	SGK1
A_22_P00007606	1,56612	3,21743	-3,141187367	N/A	100287902	NR_034040	LGALS8-AS1
A_23_P468	3,87384	5,52557	-3,142101968	ENST00000456107	57821	NM_021179	CCDC181
A_23_P354591	3,49602	5,14834	-3,143387215	ENST00000361171	89853	NM_033446	MVB12B
A_22_P00008912	7,38077	9,03428	-3,145981092	N/A	101928100	NR_120430	LOC101928100
A_33_P8911753	5,85465	7,50843	-3,146569917	N/A	101928153	NR_110532	ITGA9-AS1
A_21_P0013278	5,25054	6,90498	-3,14800973	ENST00000476489	728743	N/A	LOC728743
A_22_P00013838	1,37633	3,03232	-3,1513937	ENST00000473110	N/A	N/A	N/A
A_21_P0010021	2,83319	4,49054	-3,154365857	N/A	N/A	N/A	Inc-CD93-1
A_32_P231617	11,0421	12,6996	-3,15469384	ENST00000622124	4071	NM_014220	TM4SF1
A_23_P163567	7,38281	9,04046	-3,155021857	ENST00000219334	55512	NM_018667	SMPD3
A_22_P00008535	1,56196	3,21979	-3,155415523	ENST00000556546	N/A	BC032017	N/A
A_33_P3339961	1,70435	3,36388	-3,159135899	ENST00000468695	339487	NM_178547	ZBTB8OS
A_23_P18223	1,56655	3,2261	-3,159179694	ENST00000494705	3697	NM_002215	ITIH1
A_22_P00007674	6,07612	7,73606	-3,160033823	N/A	101928099	NR_121566	PCAT7
A_22_P00018279	1,66179	3,32205	-3,160734818	ENST00000414548	N/A	N/A	N/A
A_33_P3413104	1,65802	3,31866	-3,161567453	N/A	N/A	N/A	N/A
A_22_P00014075	2,28253	3,94547	-3,166611765	ENST00000427015	101930346	N/A	LOC101930346
A_22_P00011421	1,72297	3,38874	-3,172829508	N/A	N/A	AA393551	Inc-PALLD-2
A_21_P0008957	1,54936	3,21551	-3,173665328	N/A	N/A	N/A	Inc-CDH5-7
A_23_P53126	10,0357	11,7021	-3,17421533	ENST00000257818	4005	NM_005574	LMO2
A_24_P453497	1,65014	3,31721	-3,175689805	ENST00000369519	282996	NM_001134363	RBM20
A_23_P94472	1,71009	3,37935	-3,180514139	ENST00000375337	8789	NM_003837	FBP2
A_33_P3383866	10,3148	11,9841	-3,180602323	ENST00000444177	11277	NM_016381	TREX1
A_21_P0010173	1,38006	3,04973	-3,181418139	ENST00000457565	N/A	N/A	N/A
A_23_P316501	6,11645	7,78685	-3,183028336	ENST00000545433	154215	NM_001040214	NKAIN2



A_21_P0002697	3,30437	4,97499	-3,18351376	ENST00000457079	401109	NR_034088	LINC00885
A_33_P3565787	4,32196	5,993	-3,184440685	ENST00000437964	114796	NR_027329	PSMG3-AS1
A_23_P212696	10,0922	11,7635	-3,185014631	ENST00000295633	11167	NM_007085	FSTL1
A_21_P0001603	1,67769	3,34906	-3,185169173	ENST00000608417	101929093	NR_110793	LINC01350
A_33_P3376214	3,11279	4,78446	-3,185831579	ENST00000441068	2330	NM_001144829	FMO5
A_23_P99785	3,80738	5,47976	-3,187399823	ENST00000439583	79696	NM_024643	ZC2HC1C
A_21_P0002552	1,59929	3,27196	-3,188040595	N/A	N/A	N/A	Inc-ILKAP-1
A_23_P53193	6,39337	8,06656	-3,189189888	ENST00000525692	54843	NM_032943	SYTL2
A_22_P00008884	1,72305	3,39704	-3,190958841	N/A	101929641	XR_243223	LOC101929641
A_22_P00019726	1,65237	3,32798	-3,194543976	N/A	100132163	NR_029379	PHKA2-AS1
A_23_P18798	5,94805	7,62367	-3,194566119	ENST00000316105	56127	NM_019119	PCDHB9
A_22_P00009015	4,25755	5,93325	-3,194743269	N/A	N/A	N/A	Inc-LBR-1
A_19_P00808774	4,31718	5,99342	-3,195939283	ENST00000573167	440465	NR_026857	BAIAP2-AS1
A_21_P0000527	1,68209	3,35881	-3,197002783	ENST00000424535	100271835	NR_027145	LIMS3-LOC440895
A_33_P3258206	1,40244	3,07947	-3,197689815	ENST00000339258	81442	NM_001005278	OR6N2
A_33_P3357759	3,42383	5,10132	-3,198709553	ENST00000610772	339766	NM_001287395	MROH2A
A_21_P0006133	1,78212	3,46003	-3,199640903	N/A	N/A	N/A	Inc-IFT74-3
A_23_P74012	12,5542	14,2343	-3,204501622	N/A	6698	NM_005987	SPRR1A
A_21_P0001322	1,55022	3,23046	-3,204812604	N/A	N/A	N/A	Inc-AK5-1
A_23_P102364	7,55381	9,2342	-3,205145832	ENST00000264051	25791	NM_019850	NGEF
A_22_P00010813	1,98325	3,66666	-3,211862205	ENST00000432837	284649	NR_040063	SMG7-AS1
A_22_P00011072	6,10826	7,79236	-3,213398715	N/A	100131176	NR_109857	WDR86-AS1
A_21_P0001546	2,58337	4,26773	-3,21397788	N/A	N/A	N/A	Inc-ZNF644-1
A_23_P140057	1,63424	3,31886	-3,21455715	ENST00000382258	55504	NM_018647	TNFRSF19
A_21_P0012115	1,90794	3,59272	-3,214913676	N/A	100996695	XR_248917	LOC100996695
A_21_P0002556	1,48756	3,17284	-3,216028073	ENST00000457178	N/A	N/A	N/A
A_33_P3347707	1,58186	3,26745	-3,216719193	ENST00000263257	4858	NM_002516	NOVA2
A_22_P00022659	3,20201	4,88801	-3,217633484	N/A	N/A	AK125755	Inc-GPR144-3
A_22_P00016184	4,46527	6,15136	-3,217834216	ENST00000558702	N/A	N/A	N/A
A_23_P390172	7,24951	8,93625	-3,219284324	ENST00000367559	6041	NM_021133	RNASEL
A_22_P00015557	1,54996	3,23686	-3,219641374	N/A	N/A	N/A	Inc-STOML1-2
A_23_P77908	4,96608	6,65305	-3,219797596	ENST00000463318	146802	NM_152908	SLC47A2
A_23_P29939	8,11834	9,80546	-3,220132382	ENST00000508895	6622	NM_007308	SNCA

A_22_P00005407	1,40579	3,09365	-3,221784505	ENST00000584482	N/A	N/A	N/A
A_23_P55731	9,54448	11,2326	-3,222365182	ENST00000575354	23152	NM_015125	CIC
A_33_P3369799	4,8717	6,56012	-3,223035324	ENST00000331858	340146	NM_001008783	SLC35D3
A_21_P0005161	2,2627	3,95169	-3,224308977	N/A	N/A	N/A	Inc-CCHCR1-1
A_33_P7292982	2,15093	3,84008	-3,224666584	N/A	101926943	NR_110044	LOC101926943
A_21_P0011877	1,51712	3,20654	-3,225270136	ENST00000424010	102725407	XR_425533	LOC102725407
A_22_P00009464	1,60412	3,29357	-3,225337204	ENST00000568389	102467146	NR_104663	LOC102467146
A_23_P433132	9,31843	11,0079	-3,225381917	ENST00000453171	200634	NM_173853	KRTCAP3
A_23_P145874	7,50505	9,19515	-3,226790693	ENST00000411955	219285	XM_005250193	SAMD9L
A_33_P3314550	4,63811	6,32984	-3,230438478	ENST00000222256	5864	NM_002866	RAB3A
A_22_P00000625	1,39939	3,09123	-3,230684796	ENST00000449119	N/A	N/A	N/A
A_21_P0003199	4,85913	6,55217	-3,233373122	N/A	N/A	N/A	Inc-BCL6-1
A_23_P343398	3,29926	4,99624	-3,242215533	ENST00000246657	1236	NM_001838	CCR7
A_33_P3338300	2,62761	4,32666	-3,24687085	ENST00000377022	54897	NM_001079843	CASZ1
A_22_P00006546	1,98473	3,68426	-3,247951298	ENST00000430537	N/A	N/A	N/A
A_33_P3390868	2,40066	4,10125	-3,250338562	ENST00000610556	171024	NM_133477	SYNPO2
A_23_P59388	9,70315	11,4054	-3,254080633	ENST00000370765	667	NM_001723	DST
A_21_P0000978	2,90607	4,61159	-3,261464669	ENST00000451914	N/A	N/A	N/A
A_23_P100001	7,232	8,93824	-3,263092761	ENST00000327355	400451	NM_207446	FAM174B
A_22_P00007677	2,55197	4,25888	-3,264608521	N/A	N/A	N/A	Inc-HIATL1-7
A_22_P00022896	1,46886	3,17619	-3,265559058	N/A	101927596	XR_241378	LOC101927596
A_23_P214267	10,9292	12,6366	-3,265717508	ENST00000419892	266977	NM_153840	GPR110
A_33_P3387365	6,78844	8,49604	-3,266170264	ENST00000409299	11264	NM_007238	PXMP4
A_24_P207139	7,87106	9,57874	-3,266351384	ENST00000268058	5371	NM_033238	PML
A_21_P0002311	1,7234	3,43217	-3,268820145	N/A	N/A	N/A	Inc-CSRNP3-4
A_32_P66364	6,48776	8,1973	-3,270565256	ENST00000479855	151242	NM_001080545	PPP1R1C
A_24_P306594	3,17799	4,88781	-3,271200073	ENST00000433342	284498	NM_001010881	C1orf167
A_23_P57856	9,97424	11,6847	-3,272651545	ENST00000419510	604	NM_001130845	BCL6
A_23_P35871	6,01677	7,72923	-3,27719155	ENST00000620009	79733	NM_024680	E2F8
A_32_P205053	1,65227	3,36543	-3,278782039	ENST00000375099	127733	XM_005245742	UBXN10
A_33_P3311083	4,77423	6,48813	-3,280464252	ENST00000599242	653583	AK097512	PHLDB3
A_22_P00011302	1,65487	3,36935	-3,281783347	N/A	N/A	BC035064	Inc-OSBPL10-1
A_21_P0007243	1,71472	3,42985	-3,283262274	N/A	N/A	N/A	Inc-USP35-8

A_21_P0001730	2,09622	3,81176	-3,284195478	N/A	N/A	N/A	Inc-C1orf180-1
A_21_P0001568	1,55081	3,26697	-3,285607168	N/A	440600	NR_036595	LOC440600
A_21_P0001926	1,55536	3,27366	-3,290484441	ENST00000443811	101929282	NR_110245	LOC101929282
A_23_P63725	2,8785	4,59682	-3,290530057	ENST00000369719	80217	NM_025145	CFAP43
A_23_P97826	1,67988	3,3996	-3,293724757	ENST00000369422	6975	NM_058222	TECTB
A_33_P3273911	1,55091	3,27068	-3,293838911	ENST00000505836	N/A	N/A	N/A
A_22_P00024583	1,58649	3,30635	-3,294044397	ENST00000435092	N/A	N/A	N/A
A_22_P00020019	1,52549	3,24561	-3,294638098	ENST00000565401	N/A	N/A	N/A
A_24_P313993	6,34691	8,0673	-3,295254746	ENST00000222125	828	NM_004058	CAPS
A_21_P0010987	1,38097	3,1016	-3,295802975	ENST00000531785	100506127	NM_001282456	LOC100506127
A_23_P161190	7,51557	9,23708	-3,297813928	ENST00000544301	7431	NM_003380	VIM
A_33_P3267865	5,4653	7,18775	-3,299963346	ENST00000490720	3137	N/A	HLA-J
A_22_P00007531	2,03016	3,75293	-3,300695383	N/A	641518	NR_029373	LEF1-AS1
A_33_P3309319	11,112	12,8349	-3,300992819	ENST00000524486	55367	NM_145886	PIDD1
A_22_P00021759	1,7024	3,42602	-3,302640643	N/A	100873930	NR_046586	DLG3-AS1
A_33_P3296348	3,18827	4,91277	-3,304655768	N/A	N/A	N/A	N/A
A_21_P0000351	11,1267	12,8518	-3,306030421	N/A	677770	NR_003004	SCARNA22
A_22_P00015293	1,69977	3,42515	-3,306672122	ENST00000580225	N/A	N/A	N/A
A_33_P3235048	1,58747	3,31301	-3,307038864	ENST00000398290	390231	NM_001146162	TRIM77
A_23_P104188	11,0288	12,756	-3,310846213	ENST00000475698	1999	NM_004433	ELF3
A_23_P415974	1,69873	3,42682	-3,312889308	ENST00000374855	229	NM_000035	ALDOB
A_24_P277657	3,79903	5,52926	-3,317807079	ENST00000540478	2766	NM_006877	GMPR
A_33_P3358893	2,72618	4,45718	-3,319578342	ENST00000241808	5620	NM_001286359	PRM2
A_33_P3710442	5,92537	7,65765	-3,322524873	N/A	79904	AK021772	FLJ11710
A_22_P00014845	1,68084	3,4135	-3,323400128	N/A	N/A	N/A	Inc-SLC4A10-2
A_33_P3388006	2,39766	4,13035	-3,323469237	ENST00000295872	152185	NM_144718	SPICE1
A_23_P16078	9,8771	11,6099	-3,323722649	ENST00000597333	5050	NM_002573	PAFAH1B3
A_22_P00006726	1,45195	3,18547	-3,325381819	ENST00000441659	N/A	N/A	N/A
A_33_P3250356	4,06543	5,79898	-3,32545097	ENST00000505871	79729	NM_001162530	SH3D21
A_33_P3215392	1,35735	3,09099	-3,325658428	ENST00000413988	90332	NM_138568	EXOC3L2
A_21_P0009147	2,92389	4,65987	-3,331056905	ENST00000583195	100505576	NR_038847	LINC00672
A_21_P0005590	3,59605	5,33246	-3,332049885	N/A	N/A	N/A	Inc-WDR60-1
A_21_P0009137	1,45784	3,19656	-3,337389337	ENST00000563931	N/A	N/A	N/A

A_23_P430658	3,84995	5,58887	-3,33785203	ENST00000372852	26508	NM_014571	HEYL
A_32_P74752	5,0224	6,76217	-3,339819188	N/A	100131289	NR_038929	LOC100131289
A_33_P3262281	1,72104	3,4621	-3,342806856	ENST00000330487	390265	NM_001004463	OR10G7
A_23_P121533	12,0606	13,8017	-3,34289954	ENST00000617421	10417	NM_012445	SPON2
A_23_P2705	7,92808	9,67017	-3,345194277	ENST00000345941	10161	NM_005767	LPAR6
A_33_P3237927	6,28032	8,02249	-3,345379779	ENST00000350060	393	NM_001164741	ARHGAP4
A_33_P3324814	3,6249	5,36772	-3,346887365	N/A	101927777	NR_125803	SATB1-AS1
A_22_P00012269	2,17151	3,91494	-3,348302795	ENST00000522765	N/A	N/A	N/A
A_21_P0013700	1,40665	3,15088	-3,350160003	ENST00000413269	N/A	N/A	N/A
A_23_P28815	5,4124	7,15777	-3,352808305	ENST00000395955	1591	NM_000782	CYP24A1
A_33_P3323722	6,96269	8,7094	-3,355923897	ENST00000390645	10123	NM_001282431	ARL4C
A_19_P00321648	1,80326	3,55067	-3,357552597	ENST00000456816	N/A	N/A	N/A
A_22_P00011760	1,71766	3,466	-3,359717663	ENST00000581248	N/A	BX103636	N/A
A_21_P0010605	1,57099	3,31989	-3,361022033	ENST00000443127	N/A	N/A	N/A
A_21_P0014358	7,23819	8,98845	-3,364191895	ENST00000571724	100507520	XR_109439	LOC100507520
A_21_P0005537	1,51849	3,2704	-3,368041699	N/A	N/A	N/A	Inc-EZH2-1
A_22_P00003673	1,90147	3,65361	-3,368578687	ENST00000436113	N/A	N/A	N/A
A_33_P3301221	3,44863	5,20133	-3,369886497	N/A	79906	NR_125361	MORN1
A_21_P0005351	3,54225	5,29545	-3,371054613	N/A	N/A	N/A	Inc-CHST12-1
A_23_P73858	1,47477	3,22827	-3,371755677	ENST00000622167	90655	NM_139214	TGIF2LY
A_23_P307274	1,58029	3,33394	-3,372106264	ENST00000383546	7932	NM_007160	OR2H2
A_23_P48740	2,39215	4,14646	-3,373649278	ENST00000557010	1734	NM_013989	DIO2
A_21_P0009960	3,8266	5,58143	-3,374865484	N/A	N/A	N/A	Inc-NCOA3-2
A_23_P346673	7,72644	9,48129	-3,37491227	ENST00000482723	55890	XM_005257514	GPRC5C
A_24_P231302	2,30716	4,06232	-3,375637534	ENST00000368739	57115	NM_020393	PGLYRP4
A_24_P649282	4,49624	6,25399	-3,381703094	ENST00000620308	338645	NM_001009909	LUZP2
A_33_P3224307	8,55759	10,3161	-3,383485017	ENST00000537646	677777	NR_003010	SCARNA12
A_23_P500206	6,96368	8,72233	-3,383813369	ENST00000434065	132014	NM_153483	IL17RE
A_24_P70906	1,52884	3,28794	-3,384869	ENST00000302451	204474	NM_174924	PDILT
A_23_P125383	1,66462	3,42383	-3,385127093	ENST00000272771	23671	NM_016192	TMEFF2
A_33_P3365860	1,85604	3,61543	-3,385549469	ENST00000602297	347541	NM_001271752	MAGEB5
A_21_P0000603	1,536	3,29584	-3,386605642	N/A	728619	NR_033769	ASB9P1
A_33_P3339650	9,21332	10,9732	-3,38669954	ENST00000370765	667	NM_001723	DST

A_21_P0012259	1,50811	3,26832	-3,387474297	N/A	N/A	N/A	XLOC_I2_009328
A_33_P3267420	1,4144	3,17483	-3,387990901	N/A	338	BC051278	APOB
A_33_P3374947	1,4656	3,2291	-3,395208092	ENST00000583337	136259	NM_138693	KLF14
A_23_P252541	5,78944	7,55321	-3,395843564	ENST00000617991	338382	NM_177403	RAB7B
A_23_P98910	8,48085	10,2456	-3,398151091	ENST00000354454	4033	NM_006152	LRMP
A_24_P687594	5,43511	7,19993	-3,398315974	ENST00000604000	128077	NM_153713	LIX1L
A_21_P0006086	5,20588	6,97101	-3,399046268	ENST00000425666	101927873	N/A	LINC01508
A_23_P129835	6,18179	7,94706	-3,399376129	ENST00000492037	84152	NM_032192	PPP1R1B
A_24_P367242	2,14142	3,90733	-3,400884475	ENST00000390689	337882	NM_181607	KRTAP19-1
A_24_P49747	1,38215	3,14856	-3,402063336	ENST00000433260	N/A	N/A	N/A
A_21_P0000622	7,52223	9,28973	-3,40463467	N/A	100131176	NR_034012	WDR86-AS1
A_23_P105138	10,2632	12,0315	-3,406523124	ENST00000241052	847	NM_001752	CAT
A_23_P83028	1,39084	3,15916	-3,406570349	ENST00000377966	8434	NM_021111	RECK
A_22_P00006097	1,54349	3,31211	-3,407278799	ENST00000565297	N/A	BX648186	N/A
A_22_P00017804	5,69978	7,46988	-3,410775976	ENST00000570269	26137	NM_001164343	ZBTB20
A_22_P00019186	1,47644	3,24798	-3,41418208	ENST00000492731	N/A	N/A	N/A
A_23_P45871	9,68484	11,4565	-3,414466075	ENST00000476521	10964	NM_006820	IFI44L
A_23_P137665	2,6165	4,38978	-3,418302327	ENST00000404436	1116	NM_001276	CHI3L1
A_21_P0002882	2,54557	4,32054	-3,422308937	ENST00000459861	N/A	N/A	N/A
A_21_P0012770	1,39855	3,17407	-3,423613876	N/A	N/A	N/A	XLOC_I2_011076
A_22_P00012751	1,63358	3,40952	-3,42461071	N/A	N/A	AK125316	Inc-RAD1-1
A_22_P00017466	3,26622	5,0424	-3,425180459	N/A	N/A	N/A	Inc-VSIG2-1
A_33_P3343972	7,32868	9,10503	-3,425584089	ENST00000493019	89765	NM_080860	RSPH1
A_32_P331052	3,67843	5,45521	-3,426605248	ENST00000252998	140893	NM_080833	RBBP8NL
A_24_P62659	4,06783	5,84619	-3,430360028	ENST00000369516	10100	NM_005725	TSPAN2
A_23_P88303	3,87511	5,6536	-3,430669148	ENST00000247207	3306	NM_021979	HSPA2
A_33_P3216763	1,97526	3,75379	-3,430764268	ENST00000388740	2138	NM_000503	EYA1
A_22_P00020850	1,34766	3,1281	-3,435309303	N/A	N/A	BX105562	Inc-MED10-5
A_23_P118025	1,49423	3,27501	-3,436118998	ENST00000572888	64174	NM_022355	DPEP2
A_23_P216935	2,23703	4,01818	-3,437000353	N/A	81571	NR_026677	MIR600HG
A_22_P00007439	1,50405	3,28525	-3,437119473	N/A	N/A	N/A	Inc-GSN-2
A_32_P167705	5,58105	7,36379	-3,440790373	ENST00000357610	79841	NM_024783	AGBL2
A_21_P0000169	5,44996	7,23353	-3,442770471	ENST00000526090	84000	NM_001206790	TMPRSS13

A_24_P181254	2,86438	4,6484	-3,443844495	ENST00000219022	10562	NM_006418	OLFM4
A_23_P37359	7,31069	9,09496	-3,444441319	ENST00000336557	27141	NM_014430	CIDEB
A_22_P00022754	1,58366	3,36799	-3,444584573	ENST00000416510	N/A	N/A	N/A
A_33_P3399571	1,93385	3,71887	-3,446232413	ENST00000367928	8876	NM_004666	VNN1
A_24_P319684	1,57497	3,36008	-3,446447407	ENST00000394775	79635	NM_024584	CCDC121
A_33_P3223488	1,49042	3,27562	-3,446662415	ENST00000436046	10129	NM_023037	FRY
A_33_P3232516	1,44709	3,2336	-3,449793484	ENST00000590129	146909	NM_001265577	KIF18B
A_21_P0007530	6,29904	8,08646	-3,451970176	N/A	N/A	N/A	Inc-PLEKHA5-1
A_24_P252078	7,16142	8,94887	-3,452041958	ENST00000356386	11118	NM_007047	BTN3A2
A_24_P87931	8,75673	10,5443	-3,452329103	ENST00000319136	8542	NM_145343	APOL1
A_23_P210708	1,58938	3,37868	-3,456471428	ENST00000400068	140885	NM_001040022	SIRPA
A_23_P329340	1,52965	3,31929	-3,457286111	ENST00000261383	N/A	XM_006721062	N/A
A_23_P408285	7,27539	9,06563	-3,458724255	ENST00000552240	144165	NM_153026	PRICKLE1
A_33_P3254579	1,34796	3,13926	-3,461266438	ENST00000361883	83895	NM_031957	KRTAP1-5
A_33_P3641427	1,5439	3,33597	-3,463114289	ENST00000559057	50804	NM_016132	MYEF2
A_33_P3407314	2,59097	4,38409	-3,465635677	N/A	100132707	BC050402	PAXIP1-AS2
A_33_P3306679	1,79283	3,58657	-3,467125358	ENST00000344636	440107	NM_001004330	PLEKHG7
A_22_P00012118	1,66166	3,45566	-3,467750254	ENST00000536100	100507055	NM_001195520	LRCOL1
A_24_P12065	4,11003	5,90409	-3,467894477	ENST00000316355	901	NM_004354	CCNG2
A_33_P3239417	1,44205	3,23667	-3,469240844	ENST00000383490	645369	NM_001080209	TMEM200C
A_33_P3404257	2,8178	4,61368	-3,472272083	N/A	N/A	AK125546	N/A
A_22_P00013300	2,74563	4,54189	-3,473186786	ENST00000526453	N/A	N/A	N/A
A_23_P129064	8,84941	10,6479	-3,478559505	ENST00000558362	2628	NM_001482	GATM
A_23_P103310	5,1294	6,9286	-3,480271846	ENST00000368723	6278	NM_002963	S100A7
A_33_P3278455	2,43653	4,23604	-3,481019751	ENST00000369408	22881	NM_001242811	ANKRD6
A_23_P38427	8,97737	10,777	-3,481309307	ENST00000621161	84440	AJ314646	RAB11FIP4
A_24_P149124	6,07631	7,87634	-3,482274664	ENST00000446294	9315	NM_004772	NREP
A_32_P217750	1,45678	3,25823	-3,485703847	ENST00000331035	3563	NM_002183	IL3RA
A_23_P67971	7,04086	8,84237	-3,485848816	ENST00000272252	130589	NM_138801	GALM
A_24_P901986	5,51006	7,31182	-3,48645292	N/A	102725300	XR_424687	LOC102725300
A_33_P3305780	3,22789	5,03069	-3,488967116	ENST00000614847	645121	NM_001287252	CCNI2
A_23_P72077	1,42611	3,22897	-3,489112221	ENST00000262345	3595	NM_001559	IL12RB2
A_23_P7397	3,00969	4,81257	-3,489160591	ENST00000239446	56126	NM_018930	PCDHB10

A_24_P16856	1,54666	3,35156	-3,494049386	ENST00000381261	8227	BC028151	AKAP17A
A_33_P3351686	1,93692	3,74332	-3,497684111	ENST00000479529	149483	NM_001114938	CCDC17
A_21_P0008692	1,958	3,76469	-3,498387261	ENST00000611654	N/A	N/A	N/A
A_22_P00014526	1,60192	3,40879	-3,498823769	N/A	100874029	NR_046728	CFAP44-AS1
A_21_P0001485	1,41281	3,22067	-3,501225541	N/A	N/A	N/A	Inc-DNAJC8-1
A_22_P00022173	1,76133	3,56957	-3,502147871	N/A	101928266	NR_110828	LOC101928266
A_33_P3416804	3,36203	5,17032	-3,502269249	ENST00000391394	100509445	CR749395	LOC100509445
A_22_P00002542	4,00738	5,81573	-3,502414907	N/A	N/A	N/A	Inc-C17orf62-3
A_23_P75630	1,50479	3,314	-3,504503342	ENST00000542499	116519	NM_052968	APOA5
A_22_P00001391	1,55223	3,36203	-3,505936826	N/A	101928846	NR_110726	HIPK1-AS1
A_23_P87238	2,38422	4,19454	-3,507200721	ENST00000615694	6291	NM_006512	SAA4
A_23_P416774	1,55489	3,36528	-3,507370896	ENST00000339561	53405	NM_016929	CLIC5
A_21_P0014243	1,41486	3,22586	-3,508854195	N/A	N/A	N/A	Inc-OLFML2A-1
A_23_P408271	8,79718	10,6086	-3,509875848	ENST00000502576	51170	NM_016245	HSD17B11
A_23_P141362	7,91316	9,72849	-3,519401234	ENST00000315323	2535	NM_001466	FZD2
A_32_P86245	1,34822	3,16464	-3,522061254	ENST00000538167	114327	NM_018100	EFHC1
A_21_P0014302	1,63707	3,45451	-3,524552267	ENST00000558449	N/A	XR_133090	N/A
A_33_P3356696	1,56418	3,38246	-3,526605013	N/A	N/A	N/A	N/A
A_32_P8221	1,49876	3,31741	-3,527509578	ENST00000489939	2918	NM_000845	GRM8
A_19_P00813482	5,23494	7,05463	-3,530053381	ENST00000578000	147081	NR_026905	CRHR1-IT1
A_33_P3325349	6,95076	8,77064	-3,530518313	ENST00000305798	10098	NM_005723	TSPAN5
A_33_P3327842	3,19114	5,01229	-3,533627585	ENST00000374608	80818	NM_001077195	ZNF436
A_21_P0010211	6,30394	8,12576	-3,535269014	ENST00000442815	101928399	XR_244328	LOC101928399
A_22_P00014841	6,08799	7,91	-3,535734632	N/A	N/A	N/A	Inc-SLC48A1-1
A_24_P14932	4,31356	6,13564	-3,535906191	ENST00000295868	55779	NM_018338	CFAP44
A_33_P3620087	2,16971	3,99204	-3,53651897	N/A	400756	XR_159044	LOC400756
A_24_P24972	6,42435	8,247	-3,537303482	ENST00000434894	N/A	N/A	N/A
A_21_P0012551	3,69014	5,51333	-3,538627741	ENST00000465363	N/A	N/A	N/A
A_23_P126908	11,1911	13,0166	-3,544298224	ENST00000466750	8764	NM_003820	TNFRSF14
A_21_P0001780	1,47255	3,29841	-3,545182753	N/A	101927881	N/A	LOC101927881
A_33_P3407540	1,61148	3,43762	-3,545870874	ENST00000380578	6399	AK098253	TRAPPC2
A_21_P0005021	1,52023	3,34685	-3,547050819	ENST00000506222	100507584	NR_038989	LINC01016
A_33_P3389593	1,47002	3,29749	-3,549141269	N/A	N/A	XM_006710034	Inc-AC040934.1-3

A_24_P743802	8,4525	10,2801	-3,549461093	ENST00000615615	114991	NM_133374	ZNF618
A_22_P00005172	1,55808	3,38598	-3,550199259	ENST00000555328	N/A	N/A	N/A
A_21_P0005030	1,90349	3,73152	-3,550519179	N/A	N/A	N/A	Inc-KLHL31-2
A_22_P00012243	5,25464	7,08402	-3,553843128	N/A	N/A	N/A	Inc-PPM1D-1
A_21_P0007420	1,85265	3,68226	-3,55440974	N/A	N/A	N/A	Inc-ZBTB44-1
A_21_P0007359	1,69783	3,52914	-3,558600549	N/A	102723765	XR_424240	LOC102723765
A_33_P3519424	2,21799	4,05015	-3,560697805	N/A	N/A	AK057135	Inc-CMPK2-2
A_22_P00022555	1,9467	3,77903	-3,561117405	ENST00000508616	N/A	BC104637	N/A
A_21_P0006094	1,48409	3,3166	-3,561561741	ENST00000421507	N/A	N/A	N/A
A_22_P00011996	4,03689	5,87112	-3,565810414	N/A	N/A	N/A	Inc-PLCD1-1
A_23_P129466	6,66206	8,49736	-3,56845604	ENST00000356427	80063	NM_024997	ATF7IP2
A_21_P0011546	1,67859	3,51416	-3,569123938	N/A	N/A	N/A	XLOC_I2_005804
A_21_P0008874	2,94439	4,78026	-3,569866194	ENST00000499966	100505865	N/A	LINC00920
A_23_P86021	9,14535	10,9829	-3,574025679	ENST00000463664	8991	NM_003944	SELENBP1
A_33_P3273436	6,03368	7,87382	-3,580447716	ENST00000272252	130589	NM_138801	GALM
A_33_P3209741	6,99273	8,83475	-3,585116498	ENST00000245121	83473	NM_031303	KATNAL2
A_21_P0013379	6,91013	8,7522	-3,585240751	ENST00000423781	N/A	N/A	N/A
A_33_P3842551	4,82225	6,66634	-3,590264168	ENST00000484040	22807	NM_001079526	IKZF2
A_23_P147311	1,39171	3,23648	-3,591956802	ENST00000371124	139741	NM_138289	ACTRT1
A_33_P3332487	4,43295	6,27924	-3,595743224	ENST00000368689	92565	N/A	FANK1
A_33_P3292540	7,58521	9,4318	-3,596491015	ENST00000371761	1031	NM_078626	CDKN2C
A_33_P3305790	7,10265	8,95259	-3,604851926	ENST00000461406	4846	NM_000603	NOS3
A_24_P13024	2,40528	4,25526	-3,604951875	ENST00000371790	387700	NM_213606	SLC16A12
A_23_P21207	7,68449	9,5348	-3,605776561	ENST00000333486	7318	NM_003335	UBA7
A_33_P3248265	3,50312	5,35424	-3,60780159	ENST00000376117	4050	NM_002341	LTB
A_22_P00007883	8,66804	10,5209	-3,612155498	ENST00000502576	51170	NM_016245	HSD17B11
A_24_P756289	1,52652	3,38066	-3,615361727	N/A	347689	NR_075091	SOX2-OT
A_21_P0013679	1,48618	3,34051	-3,615837894	ENST00000425157	101928496	NR_121578	LINC01492
A_23_P90333	5,11036	6,96507	-3,616790416	ENST00000324394	342908	NM_001033719	ZNF404
A_19_P00322262	1,42953	3,28429	-3,616915767	ENST00000447481	100507254	N/A	LINC01013
A_33_P3266429	2,3162	4,17127	-3,617693038	ENST00000370671	148418	NM_001010971	SAMD13
A_24_P208704	2,19294	4,0483	-3,618420313	ENST00000316161	1582	NM_004391	CYP8B1
A_22_P00002038	1,70398	3,55965	-3,619197907	N/A	N/A	BE896823	Inc-BHLHE41-1



A_23_P205997	7,57137	9,42721	-3,6196244	ENST00000380340	83464	NM_031301	APH1B
A_21_P0005768	1,47209	3,32818	-3,620251688	ENST00000519500	552853	NR_126028	NCRNA00250
A_23_P36531	4,25927	6,11559	-3,620828888	ENST00000552128	7103	NM_004616	TSPAN8
A_23_P57036	4,00248	5,85921	-3,621858039	ENST00000477696	958	NM_001250	CD40
A_21_P0000350	5,74633	7,60328	-3,622410387	N/A	677681	NR_002999	SCARNA20
A_23_P389897	8,1758	10,0332	-3,623540452	ENST00000172229	4804	NM_002507	NGFR
A_33_P3352019	9,29009	11,1488	-3,626832203	ENST00000337221	51435	NM_182826	SCARA3
A_33_P3407324	6,53441	8,39365	-3,62816483	ENST00000409609	51454	NM_001252668	GULP1
A_33_P3340802	1,60975	3,4709	-3,632971379	ENST00000374186	79947	N/A	DHDDS
A_23_P257763	1,90117	3,76323	-3,635263649	ENST00000466059	91653	NM_033254	BOC
A_21_P0009151	1,42574	3,28829	-3,636498547	ENST00000571914	N/A	N/A	N/A
A_33_P3404601	2,15443	4,01712	-3,636851453	ENST00000460487	717	NM_001282458	C2
A_23_P256473	8,09237	9,95548	-3,637910373	ENST00000265361	10512	NM_006379	SEMA3C
A_23_P386254	1,69448	3,56063	-3,645584142	ENST00000382438	579	NM_001189	NKX3-2
A_22_P00022486	2,02399	3,89115	-3,648137231	ENST00000512551	23234	XM_006717734	DNAJC9
A_21_P0002213	2,22189	4,0913	-3,653831236	N/A	N/A	N/A	Inc-FOXN2-1
A_21_P0004387	2,01823	3,89009	-3,660041483	N/A	102467080	N/A	LOC102467080
A_21_P0003680	3,16708	5,03971	-3,661995454	N/A	102723627	XR_425813	LOC102723627
A_23_P250245	1,49761	3,37181	-3,665982757	ENST00000490239	971	NM_001782	CD72
A_21_P0011706	8,91826	10,7927	-3,666592663	ENST00000573266	147650	NR_024330	SPACA6P
A_23_P24157	7,67244	9,54788	-3,669135032	ENST00000483923	84795	NM_032709	PYROXD2
A_33_P3399090	4,38978	6,26601	-3,671144751	ENST00000440460	85458	NM_001037954	DIXDC1
A_21_P0005421	1,52493	3,40435	-3,679271145	N/A	N/A	N/A	Inc-ASB15-2
A_22_P00025424	1,67236	3,55296	-3,682281702	N/A	100128191	NR_027157	TMPO-AS1
A_22_P00018292	1,6471	3,52808	-3,683251728	ENST00000441026	N/A	N/A	N/A
A_33_P3344414	1,56209	3,4438	-3,685115915	ENST00000301529	81168	NM_001004064	OR8J3
A_23_P413180	2,44983	4,33663	-3,698140406	ENST00000303145	56890	NM_017440	MDM1
A_23_P62967	5,01369	6,90067	-3,698601839	ENST00000366637	27185	NM_018662	DISC1
A_33_P3305373	1,64042	3,52784	-3,699730028	ENST00000279783	390157	NM_001002907	OR8K1
A_23_P332399	6,81827	8,70578	-3,699960836	ENST00000409580	51454	NM_016315	GULP1
A_22_P00006798	2,52948	4,41779	-3,702013099	ENST00000523605	101927115	NR_109876	LOC101927115
A_22_P00020060	1,66303	3,55137	-3,702090081	ENST00000513283	N/A	N/A	N/A
A_22_P00005097	1,53531	3,42366	-3,702115742	N/A	N/A	N/A	Inc-DHCR24-1

A_24_P153840	8,50059	10,3904	-3,705864161	ENST00000337352	89846	NM_033086	FGD3
A_24_P83787	1,58579	3,47602	-3,706943176	ENST00000366636	27185	NM_001012959	DISC1
A_33_P3256844	1,56216	3,45405	-3,711210929	N/A	151790	AK097556	WDR49
A_33_P3267532	3,79413	5,68634	-3,712034194	ENST00000398925	3772	NM_170736	KCNJ15
A_21_P0011535	5,44116	7,334	-3,713655529	ENST00000584386	3965	XM_006721895	LGALS9
A_32_P223210	1,71312	3,60645	-3,714917057	ENST00000297819	136263	NM_145268	SSMEM1
A_22_P00003957	1,70702	3,60056	-3,715457843	N/A	N/A	N/A	Inc-CHAF1B-2
A_22_P00004283	1,54627	3,43995	-3,715818411	ENST00000416191	N/A	XR_428800	N/A
A_21_P0013602	1,55321	3,44744	-3,717235266	N/A	N/A	N/A	XLOC_I2_015038
A_23_P105691	3,18347	5,07845	-3,719168211	ENST00000396333	55507	NM_018654	GPRC5D
A_33_P3237220	6,90321	8,79994	-3,723682328	ENST00000427939	26261	NM_033506	FBXO24
A_24_P365975	5,34339	7,24078	-3,725386217	ENST00000397799	1296	NM_005202	COL8A2
A_21_P0013119	3,62223	5,51967	-3,725515331	N/A	N/A	N/A	XLOC_I2_013233
A_23_P429977	6,17089	8,06838	-3,72564445	ENST00000155840	3784	NM_000218	KCNQ1
A_23_P115785	7,026	8,92478	-3,728977262	ENST00000368693	92565	NM_145235	FANK1
A_22_P00017347	1,71957	3,61846	-3,729261593	N/A	100130950	NR_034082	LOC100130950
A_33_P3655775	1,62409	3,5252	-3,735004549	ENST00000579787	100287898	AK096384	TTC34
A_24_P844984	5,37477	7,27601	-3,735341122	ENST00000356495	5284	NM_002644	PIGR
A_21_P0005806	1,76853	3,67094	-3,738371646	ENST00000518967	N/A	N/A	N/A
A_21_P0012921	1,64956	3,55227	-3,739149099	ENST00000522838	N/A	N/A	N/A
A_23_P121564	1,673	3,57681	-3,742001145	ENST00000264424	2983	NM_000857	GUCY1B3
A_33_P3671291	5,14185	7,04689	-3,745192827	N/A	677800	AA378382	SNORA12
A_21_P0010798	4,84998	6,75826	-3,753613221	ENST00000566597	646627	N/A	LYPD8
A_21_P0001232	2,92831	4,83701	-3,754706139	N/A	N/A	N/A	Inc-LBR-1
A_22_P00001242	1,77592	3,68534	-3,756580453	ENST00000584414	N/A	N/A	N/A
A_24_P915806	6,22447	8,13468	-3,758638068	ENST00000280096	3176	NM_001024074	HNMT
A_33_P3310164	1,44626	3,35671	-3,759263389	ENST00000407950	1607	NM_004080	DGKB
A_22_P00005115	1,59115	3,50206	-3,760462213	N/A	339260	NR_123730	LOC339260
A_22_P00025660	1,63347	3,54488	-3,761765716	N/A	N/A	N/A	Inc-VPS41-1
A_22_P00012013	1,48269	3,39423	-3,7621047	N/A	102723740	XR_425851	LOC102723740
A_33_P3260307	9,7029	11,6146	-3,762521954	ENST00000618335	23589	NM_001042476	CARHSP1
A_24_P233488	3,84008	5,7529	-3,765444028	ENST00000249075	3976	NM_002309	LIF
A_33_P3369854	2,03174	3,94626	-3,769883655	ENST00000339764	374407	NM_153614	DNAJB13

A_32_P133767	2,50143	4,41688	-3,772314606	ENST00000551134	374470	NM_198521	C12orf42
A_32_P4018	2,40215	4,31771	-3,772602242	ENST00000371079	4919	NM_005012	ROR1
A_22_P00003761	7,8768	9,79406	-3,777050309	N/A	N/A	AK097472	Inc-CDIPT-1
A_33_P3390539	3,94747	5,86626	-3,781058053	ENST00000525609	120071	NM_152312	GYLTL1B
A_24_P350546	1,47289	3,39182	-3,781424987	N/A	646976	XR_248659	LOC646976
A_33_P3403117	6,71675	8,6358	-3,78173953	ENST00000615873	7025	NM_005654	NR2F1
A_33_P3411333	1,72132	3,64046	-3,781975454	ENST00000460619	1118	N/A	CHIT1
A_24_P52697	11,7557	13,6764	-3,786067153	ENST00000411754	283120	NR_002196	H19
A_33_P6815452	5,77889	7,69976	-3,78651331	N/A	101928153	NR_110532	ITGA9-AS1
A_21_P0014233	2,93257	4,85408	-3,788193434	N/A	102723989	XR_426400	LOC102723989
A_33_P3226060	3,02716	4,94952	-3,790426001	ENST00000610315	100507421	N/A	TMEM178B
A_22_P00012944	1,38063	3,30355	-3,791897587	N/A	N/A	N/A	Inc-RDH10-4
A_23_P162171	3,88955	5,81293	-3,793106818	ENST00000525586	4162	NM_006500	MCAM
A_23_P38206	1,9831	3,90696	-3,794369035	ENST00000333775	84316	NM_032356	NAA38
A_21_P0003642	4,28156	6,20718	-3,799000758	N/A	N/A	N/A	Inc-SYNPO2-2
A_21_P0002457	1,60866	3,53629	-3,804297313	ENST00000442326	N/A	N/A	N/A
A_21_P0004026	1,55812	3,48903	-3,812956309	N/A	N/A	N/A	Inc-RASA1-3
A_23_P419213	4,90995	6,84101	-3,813352771	ENST00000295878	57577	NM_020817	KIAA1407
A_33_P3228902	1,54998	3,482	-3,815891101	N/A	100133306	AK125136	LOC100133306
A_23_P10995	1,82646	3,75925	-3,817928275	ENST00000497319	27303	NM_014483	RBMS3
A_33_P3367126	5,32376	7,25701	-3,819145807	ENST00000296794	64283	NM_001177693	ARHGEF28
A_33_P3398111	1,47575	3,40904	-3,819251697	N/A	400555	AK127438	ZC3H18-AS1
A_23_P17192	1,61455	3,54862	-3,821317152	ENST00000484645	11069	NM_007023	RAPGEF4
A_23_P40866	5,488	7,42211	-3,821423103	ENST00000464560	26137	NM_015642	ZBTB20
A_21_P0003932	2,31157	4,24574	-3,821582035	ENST00000524295	101927115	NR_109876	LOC101927115
A_23_P107744	7,46316	9,39998	-3,828608121	ENST00000439028	53637	NM_030760	S1PR5
A_33_P3264846	5,89113	7,82872	-3,830652084	ENST00000610760	219285	XM_005250193	SAMD9L
A_33_P3221203	4,94666	6,88528	-3,833387922	ENST00000260302	4322	NM_002427	MMP13
A_23_P216920	9,54379	11,4846	-3,839211395	ENST00000539416	10783	NM_014397	NEK6
A_33_P3386547	4,1238	6,06683	-3,84512367	ENST00000321276	130367	NM_152386	SGPP2
A_21_P0003587	1,3784	3,32165	-3,845710067	N/A	102723744	XR_425718	LOC102723744
A_23_P202448	1,69621	3,63989	-3,846856464	ENST00000343575	6387	NM_199168	CXCL12
A_22_P00014906	1,5063	3,45032	-3,84776316	ENST00000543778	N/A	N/A	N/A

A_24_P206624	4,92163	6,86592	-3,848483335	ENST00000457416	2263	NM_022970	FGFR2
A_21_P0009368	5,2809	7,22546	-3,849203645	ENST00000608155	100507520	XR_109439	LOC100507520
A_23_P134542	1,62595	3,57068	-3,849657243	ENST00000393489	93986	NM_148900	FOXP2
A_33_P3351175	7,93132	9,87608	-3,849737295	ENST00000467401	65268	NM_006648	WNK2
A_23_P42358	1,48195	3,4287	-3,855051144	ENST00000326771	9457	NM_020482	FHL5
A_23_P381261	4,95606	6,90297	-3,855478706	ENST00000554781	196883	NM_139247	ADCY4
A_22_P00020359	7,33327	9,28055	-3,856467626	ENST00000607039	55917	XM_006710769	CTTNBP2NL
A_22_P00009917	1,39737	3,34623	-3,860693437	ENST00000418574	N/A	AK129608	N/A
A_33_P3407880	5,22967	7,17885	-3,861549861	N/A	118932	NM_144590	ANKRD22
A_33_P3242820	8,25605	10,2055	-3,862272617	ENST00000449660	115110	NR_037844	LOC115110
A_24_P329065	5,1222	7,07376	-3,86792548	ENST00000082468	11119	NM_007048	BTN3A1
A_33_P3336053	3,76123	5,7134	-3,869561261	ENST00000303941	255239	NM_178510	ANKK1
A_23_P379649	6,57099	8,52617	-3,877643037	ENST00000397573	90427	NM_001003940	BMF
A_19_P00323082	11,4361	13,3916	-3,878503222	ENST00000447298	283120	NR_002196	H19
A_33_P3252605	5,75348	7,70962	-3,880224162	ENST00000332884	113612	NM_183075	CYP2U1
A_23_P350678	1,66692	3,62361	-3,881703706	ENST00000369720	80217	AL136901	CFAP43
A_33_P3297580	1,4895	3,44766	-3,885660892	ENST00000347598	775	NM_199460	CACNA1C
A_33_P3227086	1,43257	3,39114	-3,886765316	N/A	N/A	AK095662	N/A
A_21_P0008745	1,62742	3,58603	-3,886873082	N/A	N/A	N/A	Inc-VPS13C-1
A_23_P154217	5,37092	7,33001	-3,888166501	ENST00000409872	3694	NM_000888	ITGB6
A_24_P460419	1,57054	3,52986	-3,888786417	ENST00000378075	390205	NM_001145077	LRRC10B
A_24_P870620	2,47266	4,43317	-3,891995387	ENST00000348225	5764	NM_002825	PTN
A_21_P0005218	1,52534	3,48635	-3,893344483	ENST00000412413	N/A	N/A	N/A
A_23_P342709	2,06908	4,03016	-3,893533394	ENST00000578399	201456	NM_152676	FBXO15
A_33_P3397995	3,71511	5,67732	-3,896584223	ENST00000367220	26034	NM_001130699	IPCEF1
A_21_P0006407	1,56845	3,53214	-3,900583616	ENST00000608576	4281	XR_247300	MID1
A_23_P38732	1,75159	3,71616	-3,902963579	ENST00000269141	1000	NM_001792	CDH2
A_22_P00005358	1,72102	3,68643	-3,905236716	ENST00000435311	101928241	NR_110693	LOC101928241
A_22_P00013301	1,68038	3,64754	-3,909976672	N/A	N/A	N/A	Inc-RP11-11011.12.1-2
A_22_P00012063	1,66978	3,63706	-3,910301908	N/A	N/A	N/A	Inc-PLS3-1
A_23_P74701	2,24139	4,21131	-3,917463954	ENST00000370571	255631	NM_152890	COL24A1
A_21_P0011113	1,37748	3,34826	-3,919799876	ENST00000377548	100240735	NR_026658	LOC100240735
A_21_P0009929	1,74586	3,71674	-3,920071585	N/A	N/A	N/A	Inc-PRND-1

A_21_P0009262	1,95294	3,9247	-3,922463439	N/A	N/A	N/A	Inc-MSI2-1
A_21_P0010624	1,83925	3,8115	-3,923795899	N/A	N/A	N/A	XLOC_I2_000941
A_21_P0007171	1,75166	3,72508	-3,926979318	N/A	N/A	N/A	Inc-ILK-4
A_24_P418816	2,52809	4,50155	-3,927088199	ENST00000361314	2882	NM_015696	GPX7
A_33_P3376350	1,48652	3,46053	-3,928585612	N/A	124565	AK128263	SLC38A10
A_32_P220770	1,40754	3,38161	-3,928749001	N/A	352961	N/A	HCG26
A_21_P0012926	1,55326	3,53066	-3,937827734	N/A	N/A	N/A	XLOC_I2_012210
A_33_P3343365	2,96791	4,94549	-3,938319074	ENST00000513522	401145	NM_207491	CCSER1
A_24_P84657	1,44337	3,42154	-3,939930006	N/A	4583	NM_002457	MUC2
A_23_P154784	1,84914	3,8277	-3,940995221	ENST00000253354	92747	NM_033197	BPIFB1
A_33_P3221683	1,65939	3,63811	-3,941432316	ENST00000332912	149643	NM_001024601	SPATA45
A_24_P270460	13,7445	15,7233	-3,941650881	ENST00000614648	3429	NM_005532	IFI27
A_21_P0008899	3,8066	5,78558	-3,942142698	N/A	N/A	N/A	Inc-NME4-1
A_24_P226332	1,36523	3,34458	-3,943153847	ENST00000369303	2045	NM_004440	EPHA7
A_33_P3338215	1,86372	3,84705	-3,954046946	N/A	728283	AK090863	FLJ33544
A_33_P3252048	3,24685	5,23064	-3,955307885	ENST00000330261	116729	NM_001007533	PPP1R27
A_33_P3387951	3,08995	5,07499	-3,958736384	ENST00000251691	57221	NM_020340	KIAA1244
A_24_P945113	1,38695	3,37403	-3,964338077	ENST00000550683	94	NM_000020	ACVRL1
A_33_P3370600	2,55291	4,54064	-3,966124594	ENST00000556126	100130933	NM_001162997	SMIM6
A_22_P00005313	3,39303	5,38106	-3,966949412	N/A	N/A	N/A	Inc-DNAJC8-1
A_23_P14769	1,97699	3,96771	-3,974352951	ENST00000464684	2242	NM_002005	FES
A_21_P0014014	3,33534	5,32649	-3,975537697	ENST00000621574	100652883	NR_045985	ALOX15P1
A_23_P59452	8,18259	10,1738	-3,975703038	ENST00000622116	26	NM_001091	AOC1
A_21_P0014222	1,64723	3,63858	-3,976088861	N/A	100505501	XR_171725	LOC100505501
A_33_P3285156	7,97914	9,97205	-3,98039057	ENST00000577066	440465	NR_026857	BAIAP2-AS1
A_24_P333421	6,89923	8,89223	-3,980638887	ENST00000223210	643641	NM_001099220	ZNF862
A_22_P00006056	1,70572	3,70079	-3,986354466	N/A	65072	NR_040030	CFLAR-AS1
A_32_P207767	2,04611	4,04207	-3,98881441	N/A	N/A	N/A	N/A
A_21_P0012255	2,66269	4,66136	-3,996314156	N/A	102724248	N/A	LOC102724248
A_33_P3381943	8,05515	10,0554	-4,000693207	ENST00000584619	9988	NR_024549	DMTF1
A_24_P10233	1,9606	3,96541	-4,013358408	ENST00000457488	23604	NM_014326	DAPK2
A_21_P0000228	1,50202	3,50716	-4,014276523	N/A	338433	NR_001291	SNORD115-1
A_24_P230282	4,81049	6,81719	-4,018619546	ENST00000398729	51480	NM_016378	VCX2

A_33_P3244593	1,42606	3,4331	-4,019566726	ENST00000483120	N/A	BC015238	N/A
A_33_P3310588	1,43663	3,44397	-4,020402659	ENST00000620637	N/A	N/A	N/A
A_22_P00018715	1,67752	3,6852	-4,021350259	N/A	N/A	N/A	Inc-ADCY2-5
A_24_P163237	4,24899	6,25674	-4,02154538	ENST00000506529	56977	NM_020225	STOX2
A_21_P0000906	3,36639	5,37572	-4,025952079	N/A	100128025	NR_040250	WWTR1-AS1
A_22_P00001028	1,47514	3,48452	-4,02609161	N/A	100874087	NR_046637	PCDH9-AS4
A_21_P0001159	1,41782	3,42743	-4,026733517	N/A	N/A	N/A	Inc-FRRS1-1
A_23_P385063	7,22193	9,23235	-4,028994958	ENST00000459889	10049	NM_058246	DNAJB6
A_21_P0005098	1,99156	4,00248	-4,030391543	N/A	N/A	N/A	Inc-DLL1-2
A_33_P3230189	5,1077	7,11953	-4,032934571	ENST00000400286	84189	NM_032229	SLITRK6
A_23_P23669	7,43115	9,44485	-4,03816539	ENST00000615664	54873	NM_017734	PALMD
A_33_P3285195	1,53514	3,5497	-4,040573285	ENST00000510795	100507012	N/A	BMPR1B-AS1
A_21_P0005599	1,40567	3,42065	-4,041749755	N/A	N/A	N/A	Inc-HERPUD2-1
A_24_P411186	2,59444	4,61136	-4,047188374	ENST00000335712	53335	NM_022893	BCL11A
A_23_P34700	3,3202	5,33715	-4,047272534	ENST00000509001	7139	NM_000364	TNNT2
A_24_P246196	1,3867	3,40472	-4,050275378	ENST00000598879	10332	NM_001144911	CLEC4M
A_32_P56249	5,37071	7,39033	-4,054769769	N/A	100131733	NR_038996	USP30-AS1
A_23_P202219	3,73688	5,75652	-4,05482598	ENST00000260743	51063	NM_015916	CALHM2
A_33_P3409090	1,95113	3,97132	-4,0563721	ENST00000547849	1272	NM_001256064	CNTN1
A_23_P377212	1,8609	3,88182	-4,058425133	ENST00000307266	150678	NM_138336	MYEOV2
A_32_P178966	2,22386	4,24972	-4,072345597	ENST00000379426	100113407	NM_001100829	TMEM170B
A_22_P00006204	3,19424	5,22205	-4,077853652	N/A	101410543	NR_102711	XXYLT1-AS2
A_33_P3311663	1,41695	3,44523	-4,079182348	N/A	100873998	XR_245014	MEIS1-AS2
A_33_P3236676	3,42065	5,45224	-4,08855203	ENST00000400613	401546	NM_001012993	C9orf152
A_23_P152262	1,57985	3,61232	-4,091046683	ENST00000393092	1800	NM_004413	DPEP1
A_23_P96271	5,74603	7,7827	-4,102973966	ENST00000261606	8736	NM_003803	MYOM1
A_33_P3303717	1,46427	3,50186	-4,105591248	ENST00000233710	33	NM_001608	ACADL
A_33_P3399208	9,25706	11,2974	-4,113424603	ENST00000466304	3106	XR_246962	HLA-B
A_33_P3286937	3,59544	5,63827	-4,120530243	ENST00000433881	55607	NM_001166163	PPP1R9A
A_21_P0011515	1,83677	3,87992	-4,121444307	ENST00000411576	N/A	N/A	N/A
A_23_P215111	3,47352	5,51694	-4,122215707	ENST00000310018	50617	NM_020632	ATP6V0A4
A_22_P00001597	3,70947	5,7545	-4,126818531	N/A	N/A	N/A	Inc-ARPP19-1
A_33_P3221859	4,53965	6,58492	-4,127505106	ENST00000483851	6474	NM_003030	SHOX2

A_23_P19134	6,79335	8,83931	-4,129479647	ENST00000405460	84059	NM_032119	GPR98
A_21_P0003882	9,44309	11,4894	-4,130481586	N/A	N/A	N/A	Inc-CTBP1-1
A_33_P3348714	1,50315	3,55038	-4,133116416	ENST00000382353	2254	NM_002010	FGF9
A_22_P00018956	1,71965	3,768	-4,136326302	N/A	101928103	NR_110292	LOC101928103
A_33_P3329522	2,56629	4,61549	-4,138764041	ENST00000485478	10234	NM_001031692	LRRC17
A_22_P00004956	1,52177	3,57193	-4,141518979	ENST00000399143	728597	NM_001287444	DCDC2C
A_33_P3319815	3,69268	5,74408	-4,145080155	ENST00000457435	100129464	NR_038428	LINC01546
A_32_P61495	1,45836	3,51119	-4,149190797	ENST00000495195	114827	NM_052929	FHAD1
A_23_P136683	2,35128	4,40429	-4,14970851	ENST00000484729	3119	NM_001243961	HLA-DQB1
A_23_P26386	5,77529	7,82955	-4,153305516	ENST00000562206	51673	NM_016140	TPPP3
A_32_P202759	1,4787	3,53491	-4,158923073	ENST00000612606	165215	NM_177454	FAM171B
A_22_P00011997	4,7859	6,84216	-4,159067213	N/A	N/A	BC040563	Inc-PLCD1-1
A_24_P120251	1,71792	3,7742	-4,15912487	ENST00000470080	116441	NM_138786	TM4SF18
A_22_P00009716	2,66877	4,72677	-4,164086391	N/A	N/A	N/A	Inc-MCHR1-1
A_23_P258887	7,17247	9,23156	-4,167233673	ENST00000462808	10840	NM_012190	ALDH1L1
A_23_P365218	4,87541	6,93544	-4,169949754	ENST00000493249	266977	NM_025048	GPR110
A_22_P00006725	1,52577	3,58715	-4,173853605	ENST00000418076	N/A	BC036296	N/A
A_21_P0000164	1,39867	3,46121	-4,177210945	N/A	100287362	NM_001205271	PRSS46
A_24_P203328	6,5725	8,63644	-4,181266503	ENST00000424053	348825	NR_002223	TPRXL
A_33_P3367392	5,85558	7,92089	-4,185238968	ENST00000373582	84734	NM_032648	FAM167B
A_23_P107283	6,04757	8,11386	-4,188082901	ENST00000330070	3212	NM_002145	HOXB2
A_22_P00025596	1,67325	3,74075	-4,191596954	N/A	101928630	NR_109908	CTC-436P18.1
A_33_P3393456	1,39256	3,46075	-4,193602155	N/A	100131129	AK127184	LOC100131129
A_22_P00015563	1,97364	4,04186	-4,193689359	N/A	N/A	N/A	Inc-STOX2-1
A_33_P3358745	7,66702	9,73568	-4,194968565	ENST00000506577	6414	NM_001093726	SEPP1
A_23_P124190	5,64948	7,71844	-4,195840975	ENST00000491385	53840	NM_130390	TRIM34
A_21_P0000355	1,39538	3,46817	-4,206994698	N/A	677778	NR_003011	SCARNA15
A_23_P54770	3,56418	5,63739	-4,208219625	ENST00000564831	55911	NM_018690	APOBR
A_23_P23947	7,1331	9,20774	-4,212392882	ENST00000263056	1326	NM_005204	MAP3K8
A_23_P116557	5,96619	8,04141	-4,214086711	ENST00000467111	3965	NM_009587	LGALS9
A_23_P90320	1,51879	3,59462	-4,215868887	ENST00000587682	7638	NM_013359	ZNF221
A_23_P21976	4,44162	6,51761	-4,216336468	ENST00000308508	1464	NM_001897	CSPG4
A_23_P69863	1,7079	3,78638	-4,22361988	ENST00000231134	26167	NM_015669	PCDHB5

A_33_P3219090	9,99541	12,0756	-4,228629027	ENST00000344756	3638	NM_005542	INSIG1
A_23_P422831	5,87916	7,96312	-4,239693583	ENST00000257515	9413	NM_004816	FAM189A2
A_33_P3897698	2,58749	4,67179	-4,240692869	N/A	100147773	NR_125374	LOC100147773
A_21_P0010498	1,40475	3,49736	-4,26518997	N/A	N/A	N/A	Inc-EVX1-3
A_33_P3338698	5,8947	7,98776	-4,266520559	ENST00000295731	3549	NM_002181	IHH
A_33_P3310189	6,5592	8,65372	-4,270840442	ENST00000369295	153	NM_000684	ADRB1
A_24_P212481	4,25171	6,34821	-4,276705901	ENST00000505208	79772	NM_024717	MCTP1
A_23_P202334	8,00302	10,1028	-4,286440151	ENST00000358487	2263	NM_022970	FGFR2
A_21_P0012552	1,44899	3,55263	-4,297924084	ENST00000482639	N/A	N/A	N/A
A_33_P3282489	5,37491	7,47974	-4,301470668	ENST00000442371	2650	NM_001097634	GCNT1
A_23_P66767	4,15347	6,26141	-4,310753297	ENST00000574154	124975	NM_153338	GGT6
A_23_P93141	1,75265	3,8611	-4,31227744	ENST00000619736	221357	NM_153699	GSTA5
A_21_P0014575	1,64061	3,74966	-4,314071239	ENST00000550177	N/A	XR_110357	N/A
A_33_P3337931	6,07436	8,18377	-4,315147876	N/A	N/A	N/A	N/A
A_22_P00010816	1,65251	3,76287	-4,317990293	N/A	N/A	N/A	Inc-NMNAT3-3
A_23_P121795	5,88782	7,99946	-4,321823036	ENST00000284776	8470	NM_021069	SORBS2
A_23_P139687	4,70003	6,81205	-4,322961537	ENST00000266397	121506	NM_152321	ERP27
A_33_P3423420	7,8985	10,0149	-4,336105925	ENST00000269394	79755	NM_024702	ZNF750
A_23_P130753	8,75291	10,871	-4,341188296	ENST00000222122	1628	NM_001352	DBP
A_22_P00016533	6,60871	8,72729	-4,342662997	N/A	101926967	XR_243706	LOC101926967
A_33_P3342448	2,57759	4,69694	-4,344981396	ENST00000510382	288	AK172736	ANK3
A_23_P380857	2,64893	4,76845	-4,345493418	ENST00000616056	80832	NM_030643	APOL4
A_23_P123086	3,84104	5,96076	-4,346095873	ENST00000457484	114796	NR_027329	PSMG3-AS1
A_21_P0007308	1,93072	4,0505	-4,346276626	N/A	N/A	N/A	Inc-GLB1L2-1
A_24_P416997	4,94437	7,06447	-4,347240767	ENST00000397287	80833	NM_145641	APOL3
A_23_P370682	5,11013	7,23074	-4,348777811	ENST00000527454	116071	NM_138456	BATF2
A_33_P3361388	4,72705	6,84818	-4,350345552	ENST00000323776	84073	NM_032133	MYCBPAP
A_21_P0000493	5,79584	7,91715	-4,350888363	N/A	692149	NR_004388	SCARNA14
A_33_P3361037	1,69213	3,81505	-4,355746521	ENST00000261839	55930	NM_018728	MYO5C
A_33_P3360972	5,95932	8,08366	-4,360035858	ENST00000559693	91828	NM_001077594	EXOC3L4
A_23_P160354	2,69125	4,81705	-4,364450425	ENST00000619536	10000	NM_181690	AKT3
A_22_P00017436	1,33757	3,4644	-4,3675675	N/A	101927422	NR_121184	GNA14-AS1
A_22_P00004631	1,97833	4,10581	-4,369535732	N/A	101929196	NR_120349	THSD4-AS1



A_24_P555473	2,7635	4,89346	-4,377053446	ENST00000308660	115123	NM_178450	mar-03
A_24_P404840	2,47253	4,60774	-4,393010659	ENST00000361726	2705	NM_000166	GJB1
A_22_P00001874	1,62264	3,75846	-4,394868504	N/A	100873979	NR_109804	RBMS3-AS3
A_21_P0013601	1,57836	3,71467	-4,39636144	N/A	N/A	N/A	XLOC_I2_015033
A_23_P29922	6,01648	8,1538	-4,399440316	ENST00000512264	7098	NM_003265	TLR3
A_23_P258612	1,64169	3,78028	-4,403314835	ENST00000255283	51761	NM_016529	ATP8A2
A_23_P90732	10,3783	12,517	-4,403650584	ENST00000469689	25953	NM_001077399	PNKD
A_33_P3387616	6,94981	9,0904	-4,409423359	ENST00000620174	114822	NM_052924	RHPN1
A_24_P342829	2,89475	5,0355	-4,409912406	ENST00000295190	151473	NM_152527	SLC16A14
A_33_P3291097	5,68099	7,82345	-4,415142494	ENST00000589558	4059	NM_005581	BCAM
A_23_P383118	1,75162	3,89548	-4,419429054	ENST00000359600	57643	NM_020883	ZSWIM5
A_33_P3400763	6,06834	8,21405	-4,425099822	ENST00000301286	729359	NM_001080400	PLIN4
A_23_P88404	3,80844	5,95897	-4,439908669	ENST00000238682	7043	NM_003239	TGFB3
A_19_P00322454	1,77052	3,9217	-4,441909501	ENST00000473352	730091	N/A	LINC00886
A_23_P253012	8,75921	10,9124	-4,448102398	ENST00000440446	54762	NM_017577	GRAMD1C
A_23_P161439	14,1888	16,343	-4,451217509	ENST00000372013	10974	NM_006829	ADIRF
A_22_P00001634	1,5478	3,70298	-4,454242178	ENST00000427341	N/A	N/A	N/A
A_21_P0003426	1,48301	3,63901	-4,456774603	ENST00000512652	N/A	N/A	N/A
A_23_P142878	1,6989	3,85579	-4,45952484	ENST00000306279	84913	NM_032827	ATOH8
A_24_P335092	7,79236	9,94948	-4,460235851	ENST00000532858	6288	NM_000331	SAA1
A_21_P0007398	4,83623	6,99697	-4,471441496	ENST00000603154	N/A	N/A	N/A
A_22_P00021895	1,79166	3,95391	-4,47612399	N/A	N/A	N/A	Inc-CTNNA1-1
A_33_P3304983	5,48656	7,64899	-4,476682495	ENST00000393613	5577	NM_002736	PRKAR2B
A_24_P521994	8,35462	10,5176	-4,478389471	ENST00000454652	54800	NM_017644	KLHL24
A_21_P0002963	3,49825	5,66133	-4,4786999	N/A	N/A	N/A	Inc-KCTD6-1
A_23_P60990	2,84174	5,00581	-4,481774309	ENST00000307486	79919	NM_024861	C2orf54
A_23_P133293	3,23467	5,39889	-4,482240312	ENST00000505078	79772	NM_024717	MCTP1
A_33_P3322230	1,48822	3,65341	-4,485254972	N/A	440137	XR_159012	FLJ31945
A_33_P3395403	4,7927	6,95794	-4,485410422	N/A	100996724	XM_006710081	LOC100996724
A_33_P3364607	2,78186	4,94973	-4,49359468	N/A	100130051	AK127296	LOC100130051
A_21_P0008364	3,32668	5,49503	-4,495089995	ENST00000553668	101928767	NR_110155	LOC101928767
A_22_P00012780	3,06689	5,23628	-4,498331553	N/A	N/A	AK123575	Inc-RALGAPA1-1
A_21_P0001482	2,81344	4,98289	-4,498518637	ENST00000568701	N/A	XR_425130	N/A

A_32_P234184	5,5302	7,70044	-4,500982639	ENST00000612705	388585	NM_001010926	HES5
A_21_P0003877	1,41237	3,58868	-4,519959983	N/A	N/A	N/A	Inc-TRIML1-3
A_23_P121926	7,93166	10,1093	-4,524128791	ENST00000506577	6414	NM_005410	SEPP1
A_23_P80162	4,98539	7,16378	-4,526481318	ENST00000478680	64699	NM_032405	TMPRSS3
A_33_P3415280	1,94737	4,1296	-4,538545434	ENST00000582229	26256	NM_012189	CABYR
A_22_P00013298	1,63905	3,82282	-4,543392676	N/A	N/A	DA880232	Inc-RP11-1105G2.3.1-3
A_33_P3380472	7,27508	9,46303	-4,556575587	ENST00000432564	27198	NM_032554	HCAR1
A_33_P3454679	6,37708	8,56804	-4,566092228	N/A	N/A	XM_006710179	N/A
A_33_P3282840	9,68298	11,8742	-4,566915195	ENST00000396020	6235	NM_001030001	RPS29
A_22_P00001804	1,66845	3,86226	-4,575121319	ENST00000518266	N/A	N/A	N/A
A_24_P843020	1,60609	3,80015	-4,575914196	N/A	N/A	N/A	N/A
A_32_P102935	1,56178	3,75628	-4,577309993	ENST00000467226	245711	NM_001008779	SPDYA
A_23_P168669	5,19765	7,39297	-4,579912387	ENST00000331536	54677	NM_021151	CROT
A_21_P0007641	1,60218	3,79878	-4,583977618	N/A	102723712	XR_424417	LOC102723712
A_24_P71904	8,27971	10,4803	-4,596672876	ENST00000296522	3248	NM_000860	HPGD
A_21_P0007299	1,45439	3,6556	-4,598648727	N/A	N/A	N/A	Inc-C11orf44-1
A_21_P0013388	1,62316	3,82942	-4,614774012	ENST00000446227	101927542	XR_246354	LOC101927542
A_23_P85800	5,67116	7,87888	-4,619446503	ENST00000374213	1043	NM_001803	CD52
A_23_P145984	6,14302	8,35177	-4,622745696	ENST00000222747	23554	NM_012338	TSPAN12
A_21_P0009341	6,33307	8,54184	-4,622809781	ENST00000592556	645638	NR_030732	WFDC21P
A_24_P122746	3,46895	5,67789	-4,623354542	ENST00000476993	64856	NM_022834	VWA1
A_32_P172141	3,6719	5,88141	-4,625181562	ENST00000392693	50937	NM_016952	CDON
A_33_P3211198	1,83871	4,04848	-4,62601518	ENST00000374392	400746	NM_001010980	NCMAP
A_23_P386356	1,47312	3,68342	-4,627714942	ENST00000374118	113220	NM_138424	KIF12
A_21_P0006788	2,08835	4,30182	-4,637894491	N/A	100505869	N/A	CCDC147-AS1
A_23_P334727	5,7103	7,9261	-4,645390895	ENST00000568203	145957	NM_138573	NRG4
A_24_P48539	1,64569	3,86308	-4,650513421	ENST00000570106	8778	NM_003830	SIGLEC5
A_33_P3340808	1,73157	3,95703	-4,67659988	N/A	400627	XR_159298	FLJ46026
A_23_P217755	4,52758	6,76188	-4,705343348	ENST00000418909	357	NM_001649	SHROOM2
A_23_P134953	6,32332	8,55915	-4,710336083	ENST00000464326	123	NM_001122	PLIN2
A_23_P168761	6,07099	8,30919	-4,718080389	ENST00000474500	5803	NM_002851	PTPRZ1
A_23_P213562	4,19936	6,43976	-4,72528059	ENST00000319211	2149	NM_001992	F2R
A_33_P3393801	5,85968	8,10207	-4,731802964	ENST00000371885	10158	NM_005764	PDZK1IP1

A_24_P140475	3,44017	5,68394	-4,736331303	ENST00000498125	8470	NM_021069	SORBS2
A_33_P3366336	3,33926	5,58305	-4,736396963	ENST00000341901	388228	NM_001024401	SBK1
A_32_P55241	6,01152	8,2558	-4,738005916	ENST00000319420	387914	NM_001007538	SHISA2
A_33_P3381052	1,70835	3,95429	-4,743460719	ENST00000289451	391109	NM_001004473	OR10K1
A_23_P361544	4,28097	6,52946	-4,751852319	ENST00000535696	283848	NM_173815	CES4A
A_23_P218058	6,7613	9,01377	-4,764979476	ENST00000309384	8302	NM_013431	KLRC4
A_23_P68577	1,66009	3,91306	-4,766631178	ENST00000454749	29075	NR_026883	LINC00652
A_23_P363301	1,57365	3,8289	-4,774170201	ENST00000615028	132954	NM_152401	PDCL2
A_23_P316410	2,28034	4,53805	-4,782317784	ENST00000372964	27035	NM_007052	NOX1
A_21_P0011721	3,28411	5,54338	-4,787491747	ENST00000589038	N/A	XR_244092	N/A
A_23_P416965	2,68777	4,94729	-4,788321428	ENST00000514956	25854	NM_015398	FAM149A
A_21_P0008724	1,74794	4,00785	-4,789616017	ENST00000560198	N/A	BC015903	N/A
A_21_P0011102	2,14769	4,40761	-4,789649217	ENST00000552998	N/A	XR_429160	N/A
A_23_P45751	7,70044	9,96343	-4,799852259	ENST00000370563	22802	NM_012128	CLCA4
A_23_P105873	1,74137	4,00462	-4,800717358	ENST00000358477	7223	NM_016179	TRPC4
A_24_P339126	6,60743	8,87314	-4,808910246	ENST00000575199	10942	NM_144957	PRSS21
A_23_P153251	5,69259	7,96062	-4,816649683	ENST00000595146	10782	NM_133502	ZNF274
A_22_P00012698	2,73024	4,9994	-4,820423832	N/A	N/A	N/A	lnc-RAB1A-1
A_23_P314805	1,6942	3,96469	-4,824869761	ENST00000370203	148534	NM_152487	TMEM56
A_22_P00006963	1,66333	3,93663	-4,834276529	N/A	N/A	AK024241	lnc-GCSH-1
A_33_P3293918	5,72379	8,0002	-4,84470896	ENST00000314830	10044	NM_170600	SH2D3C
A_23_P434919	4,21318	6,49046	-4,847631385	ENST00000465518	115273	NM_152304	RAB42
A_23_P40880	6,78777	9,06525	-4,848303456	ENST00000307526	152189	NM_178868	CMTM8
A_23_P150379	9,65351	11,9319	-4,851362555	ENST00000438295	10205	NM_144765	MPZL2
A_21_P0005832	1,67659	3,95631	-4,855837019	N/A	N/A	N/A	lnc-ATP6V1H-2
A_33_P3217983	10,3837	12,6654	-4,862505898	ENST00000354655	51703	NM_203380	ACSL5
A_22_P00021125	3,4709	5,75406	-4,86742922	N/A	N/A	N/A	lnc-ZCRB1-1
A_33_P3284763	1,3618	3,64593	-4,87070295	ENST00000378680	1756	NM_004021	DMD
A_22_P00022590	1,9558	4,24141	-4,875702162	N/A	N/A	N/A	lnc-C2orf71-1
A_33_P3318766	4,30092	6,58778	-4,879928467	N/A	N/A	N/A	N/A
A_23_P152406	10,1326	12,4247	-4,897685039	ENST00000457326	84290	NM_032330	CAPNS2
A_33_P3352253	4,67274	6,96532	-4,899314823	ENST00000523718	57509	NM_001001925	MTUS1
A_33_P3552465	1,53706	3,83004	-4,900673389	ENST00000463067	285346	NM_001287349	ZNF852

A_33_P3289296	7,57304	9,86609	-4,900911177	ENST00000306406	140738	NM_183240	TMEM37
A_33_P3378126	7,82672	10,1211	-4,905431341	ENST00000287396	114907	NM_058229	FBXO32
A_22_P00004438	1,71495	4,00985	-4,907199756	N/A	N/A	N/A	Inc-COX17-1
A_23_P120794	7,76202	10,0618	-4,92382675	ENST00000382932	6545	NM_004173	SLC7A4
A_32_P196193	3,53066	5,83779	-4,948975843	ENST00000340634	344838	NM_198504	PAQR9
A_21_P0011850	3,01046	5,31897	-4,953712016	N/A	N/A	N/A	XLOC_I2_007543
A_22_P00022529	1,76992	4,07893	-4,955429139	N/A	101928716	XR_242166	LOC101928716
A_22_P00004191	6,64193	8,95221	-4,959793309	N/A	101928617	XR_246017	LOC101928617
A_21_P0001154	1,54096	3,85287	-4,965400199	ENST00000414039	N/A	N/A	N/A
A_23_P42811	1,40607	3,71842	-4,966914801	ENST00000486448	155465	XM_005249627	AGR3
A_24_P127564	5,96165	8,27465	-4,969153127	ENST00000576093	147650	NR_024330	SPACA6P
A_23_P316511	4,65719	6,97443	-4,983778671	ENST00000311626	3213	NM_002146	HOXB3
A_22_P00001358	1,77367	4,09613	-5,001843783	N/A	N/A	BX119671	Inc-AP001496.1-6
A_21_P0001878	1,49063	3,82087	-5,028890011	ENST00000449073	104355141	NR_126384	LINC01143
A_21_P0009965	2,62535	4,95606	-5,030528586	N/A	N/A	N/A	Inc-NCOA3-11
A_33_P3221989	1,53904	3,87008	-5,031679393	ENST00000539935	785	NM_001005747	CACNB4
A_22_P00001027	1,70721	4,03975	-5,036913655	N/A	100874086	NR_046636	PCDH9-AS3
A_32_P199551	1,48084	3,81381	-5,038415148	ENST00000497137	165679	NM_001040100	SPTSSB
A_22_P00000226	2,0136	4,34843	-5,044915133	N/A	N/A	AY312367	Inc-AC005493.1-1
A_23_P328545	4,97349	7,31145	-5,055872213	ENST00000518525	2568	NM_014211	GABRP
A_23_P15692	6,35057	8,68915	-5,058045448	ENST00000575919	55065	NM_017986	SLC52A1
A_32_P129120	1,58714	3,92659	-5,061096561	ENST00000376398	284800	NR_026713	FAM182A
A_21_P0006269	1,72327	4,06628	-5,073600765	N/A	N/A	N/A	Inc-FAM75A6-2
A_23_P39840	7,54237	9,88661	-5,077928214	ENST00000306384	10791	NM_006634	VAMP5
A_21_P0000824	1,5095	3,85436	-5,080110929	N/A	100506215	NR_038880	PAXBP1-AS1
A_33_P3286704	1,35863	3,70492	-5,085148834	N/A	N/A	DB200921	N/A
A_22_P00021096	1,6132	3,96491	-5,104288945	N/A	414760	N/A	HCG14
A_24_P183128	8,82721	11,1807	-5,110590514	ENST00000505406	51316	NM_016619	PLAC8
A_33_P3392391	5,30676	7,66094	-5,113035349	ENST00000598259	126129	NM_001199752	CPT1C
A_23_P88559	1,52268	3,87837	-5,11838972	ENST00000356113	3990	NM_000236	LIPC
A_33_P3409974	1,54055	3,89975	-5,13085765	N/A	7068	NM_001252634	THRB
A_22_P00016539	1,54321	3,90286	-5,132458297	ENST00000581844	N/A	N/A	N/A
A_21_P0013913	2,66864	5,03485	-5,155848957	N/A	N/A	N/A	N/A

A_32_P452655	10,1905	12,5581	-5,160818881	ENST00000580674	654346	NM_001040078	LGALS9C
A_22_P00010335	1,64564	4,01461	-5,165721982	N/A	N/A	AK093870	Inc-MYBBP1A-2
A_23_P33196	3,7939	6,1631	-5,166545587	ENST00000618828	1290	NM_000393	COL5A2
A_33_P3415247	5,67556	8,04514	-5,167906613	ENST00000448624	115110	NR_037844	LOC115110
A_32_P130788	4,28634	6,65685	-5,171239059	ENST00000370673	148418	NM_001010971	SAMD13
A_33_P3249595	1,58265	3,9541	-5,174609521	ENST00000489516	53335	NM_138559	BCL11A
A_22_P00021095	1,93484	4,3071	-5,177515617	ENST00000564046	N/A	DA799376	N/A
A_21_P0007963	1,52111	3,89396	-5,179633343	ENST00000455487	N/A	N/A	N/A
A_33_P3272090	3,55423	5,93103	-5,193834343	ENST00000530062	9659	NM_014644	PDE4DIP
A_21_P0005112	1,71744	4,09569	-5,1990571	N/A	N/A	N/A	Inc-BTN2A1-1
A_23_P330616	1,40132	3,78199	-5,207785401	ENST00000467149	7456	NM_001077269	WIPF1
A_21_P0001111	1,54072	3,92243	-5,211540906	ENST00000440492	N/A	N/A	N/A
A_33_P3413612	2,02357	4,40552	-5,212407946	N/A	N/A	AK096239	N/A
A_33_P3844650	2,56886	4,95186	-5,216202941	ENST00000373417	23452	NM_012098	ANGPTL2
A_23_P42975	4,38267	6,76974	-5,230939195	ENST00000265717	5577	NM_002736	PRKAR2B
A_33_P3361636	3,58536	5,97548	-5,242009615	ENST00000539261	4256	NM_001190839	MGP
A_23_P86470	3,76273	6,15501	-5,249863819	ENST00000371852	9023	NM_003956	CH25H
A_24_P942600	1,85528	4,2493	-5,256199374	ENST00000427277	65268	NM_001282394	WNK2
A_33_P3396886	6,43257	8,82982	-5,267980481	ENST00000534100	91894	NM_080659	C11orf52
A_22_P00009537	1,63087	4,0291	-5,271560152	ENST00000470091	100287569	NR_027346	LINC00173
A_21_P0005970	1,47191	3,87064	-5,273387453	N/A	N/A	N/A	Inc-RUNX1T1-4
A_23_P88678	2,92939	5,33147	-5,285646713	ENST00000484722	123591	NM_152335	C15orf27
A_24_P13041	1,42429	3,82809	-5,291952088	ENST00000373789	219790	NM_145307	RTKN2
A_21_P0012427	4,61327	7,01787	-5,294887384	N/A	N/A	N/A	XLOC_l2_010064
A_22_P00013717	1,50244	3,91779	-5,334488706	N/A	N/A	N/A	Inc-RP11-80A15.1.1-2
A_23_P159237	9,19602	11,6135	-5,342370381	ENST00000377741	2843	NM_005293	GPR20
A_22_P00011598	1,58223	4,00103	-5,347260643	ENST00000479098	85474	N/A	LBX2
A_23_P164196	1,47088	3,89157	-5,354270402	ENST00000411890	1748	NM_138281	DLX4
A_22_P00003760	4,48263	6,90365	-5,35549527	N/A	N/A	AK298762	Inc-CDIPT-1
A_23_P200801	4,46336	6,88509	-5,358131543	ENST00000313431	9659	NM_001002811	PDE4DIP
A_21_P0002359	1,62952	4,05477	-5,371220692	N/A	N/A	N/A	Inc-SLC4A3-8
A_33_P3275487	5,00313	7,43115	-5,381543438	ENST00000285013	146857	NM_144682	SLFN13
A_22_P00016509	1,64347	4,07497	-5,394540208	ENST00000355189	101927797	NR_109925	LOC101927797

A_22_P00000754	1,48527	3,92421	-5,42243179	N/A	N/A	BG208167	Inc-ADCK3-2
A_21_P0012519	1,58064	4,01986	-5,423484284	ENST00000492416	N/A	N/A	N/A
A_23_P56734	5,28038	7,72391	-5,439710976	ENST00000485653	3176	NM_006895	HNMT
A_24_P691826	5,03916	7,48287	-5,440389712	ENST00000587298	645638	N/A	WFDC21P
A_24_P330518	6,32835	8,77292	-5,443633731	ENST00000178638	771	NM_001218	CA12
A_23_P500861	3,1996	5,64481	-5,44604914	ENST00000367256	23345	NM_182961	SYNE1
A_21_P0007023	1,43689	3,88261	-5,447974686	N/A	N/A	N/A	Inc-RAB11FIP2-2
A_24_P23625	3,6656	6,11453	-5,460109939	ENST00000360954	9953	NM_006041	HS3ST3B1
A_24_P192627	2,91265	5,36345	-5,467191842	ENST00000380323	4300	NM_004529	MLLT3
A_22_P00001965	2,24423	4,69584	-5,470262254	N/A	100287559	NR_040107	ADPGK-AS1
A_23_P109488	4,68026	7,13374	-5,477357324	ENST00000402249	113791	NM_052880	PIK3IP1
A_23_P94840	1,59598	4,05162	-5,485564154	ENST00000338542	83657	NM_130897	DYNLRB2
A_23_P427023	1,36859	3,82618	-5,492983659	ENST00000307194	170575	NM_130759	GIMAP1
A_23_P151046	5,23808	7,69829	-5,502968231	ENST00000544822	3821	NM_002259	KLRC1
A_23_P170574	2,70189	5,16242	-5,504188964	ENST00000332281	333929	NM_178310	SNAI3
A_23_P143274	4,73369	7,19646	-5,512741679	ENST00000621012	80023	NM_024958	NRSN2
A_33_P3360341	5,90855	8,37143	-5,513162021	ENST00000379328	2625	NM_001002295	GATA3
A_22_P00017342	2,87142	5,33507	-5,516105309	N/A	N/A	N/A	Inc-USP47-1
A_22_P00007283	7,82644	10,2903	-5,516908297	N/A	N/A	N/A	Inc-GPR20-1
A_33_P3379644	2,3961	4,87021	-5,556244169	ENST00000376939	216	NM_000689	ALDH1A1
A_24_P322771	8,60686	11,0845	-5,569855886	ENST00000291527	7031	NM_003225	TFF1
A_21_P0010752	2,35172	4,83813	-5,603817608	ENST00000447500	N/A	N/A	N/A
A_22_P00011006	1,47176	3,9611	-5,615210085	N/A	N/A	N/A	Inc-NSRP1-2
A_21_P0005776	5,63037	8,12106	-5,62046697	N/A	N/A	N/A	Inc-PTP4A3-1
A_33_P3245238	2,38269	4,87831	-5,639706171	ENST00000326853	6819	NM_176825	SULT1C2
A_23_P85693	6,94917	9,44868	-5,65493327	ENST00000463660	2634	NM_004120	GBP2
A_33_P3209229	11,185	13,6848	-5,656070097	ENST00000564426	25837	NM_014353	RAB26
A_33_P3253877	1,43061	3,93325	-5,667215252	ENST00000518415	6867	BC041391	TACC1
A_33_P3337901	1,7346	4,23737	-5,667725943	ENST00000612480	9659	NM_001198834	PDE4DIP
A_32_P171313	1,38154	3,88781	-5,681492625	ENST00000595265	59345	NM_021629	GNB4
A_33_P3245439	2,3567	4,86625	-5,694424322	ENST00000477696	958	NM_001250	CD40
A_24_P227141	1,45611	3,96704	-5,69987389	ENST00000312319	2001	NM_198381	ELF5
A_23_P71480	10,4104	12,922	-5,702521576	ENST00000297439	1672	NM_005218	DEFB1

A_23_P157136	1,34436	3,85951	-5,716570892	ENST00000341757	85477	NM_033128	SCIN
A_21_P0005365	1,76337	4,27892	-5,718156082	ENST00000412413	N/A	N/A	N/A
A_21_P0004954	1,63303	4,15093	-5,727477953	N/A	N/A	N/A	Inc-UTRN-2
A_24_P921683	1,60476	4,12267	-5,727517653	ENST00000459666	93986	NM_014491	FOXP2
A_22_P00014357	1,60043	4,12042	-5,735781235	N/A	101929716	NR_104137	ARMC2-AS1
A_33_P3245415	4,80527	7,33431	-5,771874776	ENST00000613078	90634	NM_001286459	N4BP2L1
A_23_P133691	1,61563	4,14553	-5,775316454	ENST00000369415	58528	NM_021244	RRAGD
A_21_P0005193	1,50157	4,03769	-5,800269764	N/A	N/A	N/A	Inc-PHTF2-1
A_23_P360542	1,66118	4,20733	-5,840735284	ENST00000584492	56651	NR_023925	LINC00470
A_33_P3326992	4,6176	7,16507	-5,846081736	ENST00000369356	9659	NM_014644	PDE4DIP
A_33_P3393170	8,37589	10,9236	-5,847054343	ENST00000278559	726	NM_004055	CAPN5
A_23_P29975	5,89017	8,43802	-5,847621773	ENST00000284437	55286	NM_018302	C4orf19
A_33_P3290040	6,98008	9,52992	-5,855693331	ENST00000598293	126129	NM_001199752	CPT1C
A_23_P71530	2,73643	5,28916	-5,867435185	ENST00000521597	4982	NM_002546	TNFRSF11B
A_23_P94800	9,9406	12,4968	-5,881564647	ENST00000368714	6275	NM_002961	S100A4
A_22_P00003042	6,73225	9,29173	-5,89495173	ENST00000423781	N/A	N/A	N/A
A_21_P0008205	4,5489	7,10949	-5,899489012	N/A	N/A	N/A	Inc-GPR183-2
A_23_P358410	5,82679	8,3877	-5,900797706	ENST00000360413	9901	NM_014850	SRGAP3
A_23_P124892	4,38632	6,94745	-5,901697601	ENST00000367194	3814	NM_002256	KISS1
A_23_P90470	1,73484	4,29978	-5,917303938	N/A	N/A	N/A	N/A
A_23_P365412	4,35985	6,92886	-5,934020867	ENST00000367147	148808	NM_181644	MFSD4
A_33_P3323803	5,288	7,85703	-5,93410313	ENST00000369356	9659	NM_014644	PDE4DIP
A_22_P00020943	1,97184	4,54366	-5,945590081	ENST00000428783	196549	N/A	EEF1DP3
A_23_P216693	4,23644	6,80922	-5,94954772	ENST00000380321	4300	NM_004529	MLLT3
A_23_P98786	2,32934	4,90258	-5,951445022	ENST00000409709	4647	NM_000260	MYO7A
A_23_P112026	5,29222	7,87143	-5,976123655	ENST00000523779	3620	NM_002164	IDO1
A_21_P0002255	1,45388	4,03689	-5,99188527	N/A	N/A	N/A	Inc-SMYD1-1
A_23_P134347	7,73866	10,3219	-5,992840596	ENST00000612187	54504	NM_019029	CPVL
A_23_P353014	1,65338	4,23785	-5,997952097	ENST00000545595	93589	NM_172364	CACNA2D4
A_23_P436618	1,60418	4,18875	-5,998367857	ENST00000355395	2558	NM_000810	GABRA5
A_33_P3238375	1,74719	4,33477	-6,010895755	N/A	730081	AK097502	LOC730081
A_24_P237175	6,42503	9,01451	-6,018817197	ENST00000304725	1470	NM_001322	CST2
A_33_P3391915	1,53841	4,12937	-6,024994816	ENST00000375366	388419	NM_001080466	BTBD17

A_33_P3385351	5,45746	8,05275	-6,043104961	N/A	N/A	N/A	N/A
A_23_P132515	6,36368	8,96053	-6,049642962	ENST00000264852	54847	NM_017699	SIDT1
A_23_P200670	4,00586	6,60772	-6,07068788	ENST00000371023	79819	NM_207014	WDR78
A_23_P500501	12,4998	15,105	-6,084758481	ENST00000260795	2261	NM_000142	FGFR3
A_21_P0000128	5,29902	7,90745	-6,098396698	ENST00000561645	100129480	NM_001195279	MKRN2OS
A_23_P30603	1,34878	3,95751	-6,099664955	ENST00000368924	8528	NM_003649	DDO
A_33_P3237899	3,49849	6,10826	-6,104063625	ENST00000409350	1124	NM_001293070	CHN2
A_33_P3715177	8,61627	11,2308	-6,124236515	ENST00000251268	1954	NM_001271938	MEGF8
A_33_P3409854	3,381	5,99581	-6,125425229	ENST00000614239	3975	NM_005568	LHX1
A_33_P3409234	1,75727	4,37424	-6,134603072	N/A	N/A	DA399191	N/A
A_22_P00013335	1,61714	4,23644	-6,144518663	N/A	100507403	XR_426301	LOC100507403
A_33_P3271156	4,00985	6,62939	-6,145540921	ENST00000506886	50859	NM_001204352	SPOCK3
A_23_P42353	4,57477	7,19513	-6,149034921	ENST00000339796	51513	NM_016135	ETV7
A_23_P215883	1,6185	4,23956	-6,152019175	ENST00000395923	83988	NM_001040630	NCALD
A_23_P168882	6,27924	8,90689	-6,180184893	ENST00000342697	94241	NM_033285	TP53INP1
A_33_P3394178	1,52441	4,1526	-6,182498566	ENST00000615422	4810	NM_001291867	NHS
A_24_P191781	1,64932	4,27828	-6,18579919	ENST00000307428	25849	NM_015393	PARM1
A_33_P3379922	6,82348	9,45276	-6,187171397	ENST00000234071	5624	NM_000312	PROC
A_33_P3599591	1,61521	4,24736	-6,199491988	ENST00000328252	5069	NM_002581	PAPPA
A_32_P94667	2,48722	5,12274	-6,213990346	ENST00000530062	9659	NM_014644	PDE4DIP
A_33_P3354451	8,45686	11,0996	-6,245166346	ENST00000357569	11074	NM_007028	TRIM31
A_21_P0012197	3,78159	6,42649	-6,254523599	N/A	N/A	N/A	XLOC_I2_009182
A_21_P0000113	1,68316	4,33003	-6,263069985	ENST00000466777	8743	NM_001190943	TNFSF10
A_21_P0012198	1,4977	4,15488	-6,307988369	N/A	102724420	N/A	LOC102724420
A_21_P0002082	1,48772	4,15023	-6,331336173	ENST00000458182	N/A	N/A	N/A
A_23_P103932	4,1646	6,83184	-6,35212807	ENST00000374004	2268	NM_001042747	FGFR
A_33_P3412233	8,03547	10,7035	-6,355607361	ENST00000615241	22932	NM_152992	POMZP3
A_33_P3421163	2,4518	5,12018	-6,357149428	ENST00000342697	94241	NM_033285	TP53INP1
A_24_P182947	1,65053	4,32412	-6,380148484	ENST00000308910	257144	NM_001190259	GCSAM
A_22_P00009115	1,37252	4,04665	-6,382537017	ENST00000616559	374462	NM_001145026	PTPRQ
A_22_P00016499	1,64609	4,32437	-6,400923205	N/A	550113	NR_046116	LOC550113
A_21_P0002129	2,3479	5,02748	-6,406693621	ENST00000448977	N/A	N/A	N/A
A_24_P329795	6,81719	9,49858	-6,41473648	ENST00000298295	11067	NM_007021	C10orf10



A_22_P00016480	3,09324	5,77712	-6,425817467	N/A	N/A	BC041939	Inc-TMEM88B-1
A_33_P3362311	1,51743	4,20295	-6,433126242	ENST00000437635	389384	NM_001010903	C6orf222
A_33_P3402091	3,57761	6,26323	-6,433572168	ENST00000295408	10461	NM_006343	MERTK
A_21_P0006270	3,89499	6,58169	-6,438390136	ENST00000377547	N/A	XR_432395	N/A
A_33_P3395083	1,56495	4,25274	-6,443256374	ENST00000399422	341392	NM_001080454	ACSM4
A_23_P216455	2,55046	5,23967	-6,449601393	ENST00000381627	6019	NM_005059	RLN2
A_21_P0014166	1,45481	4,14505	-6,454207676	ENST00000606522	100506379	N/A	LOC100506379
A_23_P415021	10,4628	13,1583	-6,477782372	ENST00000550097	25840	NM_014033	METTL7A
A_21_P0012196	2,79544	5,49112	-6,478590632	ENST00000433310	N/A	N/A	N/A
A_33_P3401295	4,7989	7,49795	-6,4937417	ENST00000368790	54544	NM_019060	CRCT1
A_24_P402588	5,35619	8,05773	-6,504959163	ENST00000489516	53335	NM_018014	BCL11A
A_33_P3216640	1,51887	4,22437	-6,522838911	N/A	N/A	N/A	N/A
A_33_P3410806	1,37733	4,0842	-6,529036017	ENST00000376873	9071	NM_182848	CLDN10
A_24_P293530	4,68833	7,39685	-6,5365075	ENST00000371901	260293	NM_178033	CYP4X1
A_22_P00002959	1,67161	4,38103	-6,540586458	N/A	N/A	N/A	Inc-C5orf63-1
A_23_P160159	4,40182	7,11151	-6,541810642	ENST00000377424	6518	NM_003039	SLC2A5
A_23_P85903	4,18669	6,90432	-6,577913332	ENST00000366881	7100	NM_003268	TLR5
A_24_P172481	6,15681	8,87452	-6,578278099	ENST00000379965	10346	NM_006074	TRIM22
A_23_P72668	3,96198	6,68075	-6,583113173	ENST00000304141	8436	NM_004657	SDPR
A_23_P212830	6,78113	9,50042	-6,585486395	ENST00000260795	2261	NM_000142	FGFR3
A_23_P40096	5,00497	7,73435	-6,63170577	ENST00000234071	5624	NM_000312	PROC
A_33_P3286774	1,97354	4,71179	-6,672604525	ENST00000479369	N/A	XM_006710077	N/A
A_23_P204286	2,5118	5,25527	-6,696791261	N/A	4256	NM_000900	MGP
A_33_P3327673	3,23862	5,99091	-6,737857888	ENST00000395540	23242	NM_001287438	COBL
A_24_P146683	5,24123	7,99732	-6,755628524	ENST00000582163	4477	NM_002443	MSMB
A_33_P3223497	1,48836	4,24636	-6,764578299	ENST00000380250	10129	NM_023037	FRY
A_23_P333228	2,03304	4,7924	-6,770958139	ENST00000273067	57574	NM_020814	mar-04
A_24_P237927	2,81486	5,57687	-6,783406736	ENST00000483371	284611	NM_001010883	FAM102B
A_22_P00003687	1,74964	4,52708	-6,8563464	ENST00000502861	N/A	N/A	N/A
A_21_P0004401	1,39971	4,18435	-6,890649619	N/A	N/A	N/A	Inc-C5orf43-2
A_23_P40919	1,67187	4,46658	-6,938914547	ENST00000481506	84873	NM_032787	GPR128
A_23_P4714	3,3363	6,13363	-6,951527382	ENST00000263369	8190	NM_006533	MIA
A_33_P3229617	8,48377	11,2814	-6,952973062	ENST00000445866	8910	NM_001099401	SGCE

A_22_P00021161	2,64257	5,44269	-6,964983813	N/A	N/A	AK093870	Inc-MYBBP1A-2
A_21_P0003215	1,82231	4,62292	-6,967349817	N/A	N/A	N/A	Inc-CHL1-1
A_23_P86599	7,07708	9,87896	-6,973485854	ENST00000338354	1755	NM_007329	DMBT1
A_33_P3296587	6,68486	9,48793	-6,979240273	ENST00000264613	1356	NM_000096	CP
A_33_P3226775	5,78822	8,5976	-7,009832639	N/A	200958	NM_001098516	MUC20
A_33_P3237260	5,91124	8,72873	-7,049348842	ENST00000280325	341032	NM_198498	C11orf53
A_22_P00017913	2,04543	4,87146	-7,091201049	N/A	100996664	XR_159025	LOC100996664
A_21_P0000361	4,18597	7,0175	-7,118286499	N/A	677845	NR_003021	SNORA79
A_19_P00801752	4,61734	7,45221	-7,134785217	N/A	N/A	N/A	Inc-SIK1-2
A_33_P3403576	1,56578	4,40741	-7,168294948	ENST00000271450	9103	NM_201563	FCGR2C
A_23_P320739	2,54854	5,39411	-7,187898317	ENST00000510942	4208	NM_002397	MEF2C
A_23_P80594	4,484	7,32959	-7,187997963	ENST00000432376	23228	NM_015184	PLCL2
A_22_P00004171	1,9277	4,77731	-7,208054903	N/A	N/A	AK024956	Inc-CLGN-2
A_33_P3314176	5,39088	8,24227	-7,216953704	ENST00000369448	54855	NM_017709	FAM46C
A_21_P0000854	1,78624	4,64174	-7,237542927	N/A	100506497	NR_038965	LOC100506497
A_21_P0012664	2,74882	5,61047	-7,268461378	N/A	102723415	XR_427513	LOC102723415
A_21_P0006414	1,57403	4,4374	-7,277132101	N/A	104798195	N/A	LOC104798195
A_23_P323180	1,97741	4,84662	-7,306649485	ENST00000410016	3232	NM_006898	HOXD3
A_23_P204885	1,61359	4,48288	-7,307054663	ENST00000409186	64881	NM_022843	PCDH20
A_23_P250347	1,72067	4,59023	-7,308422304	ENST00000512453	814	NM_001744	CAMK4
A_33_P3248439	6,46805	9,34605	-7,351303068	ENST00000361171	89853	NM_033446	MVB12B
A_23_P345808	3,08034	5,96102	-7,364971793	ENST00000332647	286499	NM_173698	FAM133A
A_23_P127068	6,35318	9,24333	-7,413475249	ENST00000613292	57715	NM_017893	SEMA4G
A_23_P414654	7,17606	10,067	-7,417535878	ENST00000392613	326624	NM_175738	RAB37
A_23_P81898	7,08333	9,97759	-7,434625129	ENST00000355973	10537	NM_006398	UBD
A_23_P143247	4,27133	7,17778	-7,497709868	ENST00000329613	128553	NM_173485	TSHZ2
A_23_P358917	6,51021	9,41768	-7,503012699	ENST00000336374	1551	NM_000765	CYP3A7
A_23_P150609	6,27979	9,19747	-7,556300101	ENST00000300632	3481	NM_000612	IGF2
A_33_P3315390	1,43466	4,35599	-7,575441647	ENST00000448418	744	NM_001145399	MPPED2
A_22_P00000852	1,40609	4,32921	-7,584846585	N/A	N/A	AK091499	Inc-AGMAT-1
A_24_P408047	9,10335	12,028	-7,592894696	ENST00000263265	57664	NM_020904	PLEKHA4
A_23_P42882	2,20375	5,13161	-7,609807714	ENST00000395747	816	NM_172082	CAMK2B
A_33_P3312676	2,25753	5,18709	-7,618780018	ENST00000621996	N/A	BC062313	N/A

A_23_P71880	6,28209	9,21651	-7,644488645	ENST00000379725	27290	NM_014471	SPINK4
A_33_P3248108	1,59967	4,53532	-7,651008893	ENST00000452710	114991	NM_133374	ZNF618
A_22_P00017629	5,0956	8,0372	-7,682628539	ENST00000520149	101927822	NR_125424	LOC101927822
A_32_P126375	5,39916	8,35231	-7,744381373	ENST00000615422	4810	NM_198270	NHS
A_23_P307536	5,63857	8,60215	-7,800572445	ENST00000480549	79729	AK056459	SH3D21
A_22_P00011465	2,06525	5,03639	-7,841556235	N/A	N/A	N/A	Inc-PAPPA2-2
A_32_P138396	2,59179	5,56302	-7,842045432	N/A	N/A	N/A	Inc-NUB1-1
A_23_P13382	5,66243	8,63367	-7,842099789	ENST00000406638	4046	NM_001013254	LSP1
A_23_P124252	2,81831	5,79838	-7,890244464	ENST00000378845	57118	AK289393	CAMK1D
A_23_P40174	6,93356	9,91634	-7,905079656	ENST00000372330	4318	NM_004994	MMP9
A_23_P54144	1,64516	4,634	-7,938354557	ENST00000558984	652	NM_001202	BMP4
A_33_P3304170	5,13526	8,12676	-7,95300457	ENST00000496166	5294	NM_002649	PIK3CG
A_23_P250228	1,55719	4,55593	-7,993016127	ENST00000476325	23553	NM_012269	HYAL4
A_33_P3511777	1,48101	4,48724	-8,034621154	N/A	201477	NR_038895	DLGAP1-AS3
A_21_P0010882	3,57779	6,58535	-8,042031572	N/A	N/A	N/A	Inc-MBL2-3
A_23_P57364	8,11256	11,1267	-8,078794314	ENST00000475297	7032	NM_005423	TFF2
A_21_P0000587	1,6106	4,6253	-8,081930807	N/A	100289673	NR_033175	LOC100289673
A_32_P170481	6,01935	9,03454	-8,084676237	ENST00000377548	100240735	NR_026658	LOC100240735
A_23_P362191	1,49179	4,50997	-8,101449185	ENST00000315707	284029	NR_026951	LINC00324
A_33_P3287348	4,77222	7,79045	-8,101729965	ENST00000435288	1124	NM_001293070	CHN2
A_22_P00008376	1,58802	4,61231	-8,135832628	ENST00000423581	N/A	N/A	N/A
A_33_P3347301	2,38966	5,41607	-8,147796794	N/A	100127947	AY240960	LOC100127947
A_23_P6909	3,31366	6,34055	-8,150508104	ENST00000449542	51554	NM_178445	ACKR4
A_21_P0013484	3,47556	6,50268	-8,151807593	N/A	N/A	N/A	XLOC_I2_014217
A_23_P150583	8,97028	12,0043	-8,190888752	ENST00000278282	7356	NM_003357	SCGB1A1
A_33_P3214491	1,52967	4,56602	-8,204127996	ENST00000618462	9659	NM_001198832	PDE4DIP
A_33_P3219279	5,78794	8,83958	-8,291539537	ENST00000397118	84502	NM_032452	JPH4
A_22_P00022868	1,71051	4,76495	-8,307647484	N/A	N/A	N/A	Inc-CLDN16-1
A_24_P342312	1,63591	4,69118	-8,31242835	ENST00000612046	26011	NM_001098816	TENM4
A_21_P0000727	1,37283	4,43272	-8,339090239	ENST00000456749	154092	NR_038216	LINC01010
A_21_P0014365	1,77104	4,83264	-8,34898027	N/A	100287082	NR_120598	GACAT2
A_23_P121676	3,06072	6,1249	-8,363924274	ENST00000515509	80319	NM_025212	CXXC4
A_33_P3410259	1,36118	4,42581	-8,366533525	N/A	100133545	N/A	MRPL23-AS1

A_23_P50269	4,93404	8,00884	-8,425720154	ENST00000341918	284340	NM_198477	CXCL17
A_24_P388786	3,73264	6,82087	-8,50452111	ENST00000265104	1767	NM_001369	DNAH5
A_21_P0000188	3,42969	6,51844	-8,507587003	ENST00000312319	2001	NM_001422	ELF5
A_24_P185854	1,40265	4,49246	-8,51384013	ENST00000357033	1756	NM_004010	DMD
A_24_P199251	1,49363	4,58819	-8,541917712	ENST00000361228	9182	NM_005447	RASSF9
A_23_P428373	1,46111	4,56675	-8,607772807	ENST00000379010	254958	XR_428372	REXO1L1P
A_22_P00001123	1,82319	4,92886	-8,607951802	N/A	N/A	AX805334	Inc-ALX3-1
A_21_P0013976	4,5223	7,63538	-8,652277879	N/A	100130476	NR_049793	LOC100130476
A_33_P3346966	3,18871	6,30222	-8,654857103	ENST00000406979	79582	NM_024532	SPAG16
A_23_P357104	4,62558	7,74394	-8,68400165	ENST00000354546	309	NM_001155	ANXA6
A_23_P51002	3,09929	6,22349	-8,719225555	ENST00000442801	6819	NM_176825	SULT1C2
A_23_P904	2,81466	5,94026	-8,727690851	ENST00000463562	79656	NM_024603	BEND5
A_23_P8801	6,19695	9,32488	-8,741797748	ENST00000339843	1577	NM_000777	CYP3A5
A_33_P3408918	6,44288	9,58402	-8,822209376	ENST00000526900	6289	NM_030754	SAA2
A_32_P38623	4,12111	7,2638	-8,831692858	ENST00000433881	55607	NM_017650	PPP1R9A
A_33_P3301871	1,49763	4,64815	-8,879755788	ENST00000527165	2875	NM_005309	GPT
A_23_P319598	1,70892	4,86585	-8,919296972	ENST00000492730	725	NM_000716	C4BPB
A_33_P3419988	2,32723	5,4842	-8,919544271	ENST00000461341	N/A	N/A	N/A
A_33_P8056745	3,73797	6,89783	-8,937429769	N/A	90634	AL832677	N4BP2L1
A_23_P48663	1,52324	4,68326	-8,938421017	ENST00000554845	5015	NM_021728	OTX2
A_23_P302005	2,7868	5,94958	-8,955537354	ENST00000404752	11037	NM_006873	STON1
A_24_P385732	1,49627	4,66183	-8,972810856	ENST00000475271	200931	NM_152672	SLC51A
A_21_P0014213	2,34029	5,51303	-9,017578018	N/A	N/A	N/A	N/A
A_21_P0004036	1,93523	5,11475	-9,060056204	ENST00000504012	102546227	N/A	LINC01340
A_22_P00010436	1,8018	4,98148	-9,061061052	ENST00000437194	101927973	NR_126012	LOC101927973
A_32_P208120	4,51901	7,70261	-9,085714674	ENST00000615792	57118	XM_006717483	CAMK1D
A_21_P0003681	3,65502	6,84175	-9,105447991	N/A	N/A	N/A	Inc-CEP44-1
A_23_P430718	1,41409	4,62014	-9,22820466	ENST00000299140	219938	NM_174927	SPATA19
A_23_P112859	6,11359	9,33436	-9,322843183	ENST00000398402	1469	NM_001898	CST1
A_23_P65307	7,93584	11,1575	-9,328596229	ENST00000400286	84189	NM_032229	SLITRK6
A_21_P0009306	1,40089	4,62266	-9,329307526	N/A	N/A	N/A	Inc-C17orf51-2
A_21_P0001913	1,44794	4,67089	-9,336941215	ENST00000430692	N/A	N/A	N/A
A_23_P116173	6,17808	9,41277	-9,413231007	ENST00000398035	120376	NM_001136105	COLCA2

A_24_P52921	1,95105	5,18689	-9,420737466	ENST00000612790	586	NM_005504	BCAT1
A_21_P0009091	1,69755	4,94521	-9,498238615	N/A	N/A	N/A	Inc-NME4-1
A_32_P94160	1,62523	4,87406	-9,505944641	ENST00000371244	5563	NM_006252	PRKAA2
A_23_P31073	5,42243	8,67304	-9,517680333	ENST00000341911	4602	NM_005375	MYB
A_21_P0012692	2,59013	5,84803	-9,565895294	N/A	N/A	N/A	XLOC_I2_011309
A_33_P3343196	5,79507	9,05507	-9,579829637	ENST00000264613	1356	NM_000096	CP
A_24_P684183	1,7477	5,00898	-9,588332905	ENST00000544672	80736	NM_025257	SLC44A4
A_22_P00022475	2,77918	6,0461	-9,62589042	N/A	N/A	BC041939	Inc-TMEM88B-1
A_23_P208866	6,53783	9,81074	-9,665939736	ENST00000601731	9535	NM_004877	GMFG
A_23_P41476	4,053	7,32898	-9,686530387	ENST00000319234	152573	NM_001080505	SHISA3
A_22_P00004453	1,57161	4,85231	-9,718273267	ENST00000505572	N/A	N/A	N/A
A_23_P211909	4,04529	7,32625	-9,720024835	ENST00000337777	5357	NM_002670	PLS1
A_23_P112798	8,85186	12,1359	-9,740798218	ENST00000548309	1397	NM_001312	CRIP2
A_24_P340954	1,93625	5,22518	-9,773870571	ENST00000484019	389161	NM_001144960	ANKUB1
A_23_P201551	8,38959	11,6944	-9,882047566	ENST00000370056	10451	NM_006113	VAV3
A_23_P312920	1,8582	5,1678	-9,914912221	ENST00000393067	5450	NM_006235	POU2AF1
A_23_P167367	3,93468	7,24627	-9,92859792	ENST00000607868	5308	NM_153426	PITX2
A_23_P257111	5,26293	8,57966	-9,964034384	ENST00000415431	2203	NM_000507	FBP1
A_33_P3313835	4,59971	7,92831	-10,04635322	N/A	100130449	NR_024014	PP14571
A_23_P92730	2,35335	5,68776	-10,08689332	ENST00000302005	8988	NM_006308	HSPB3
A_33_P3738458	2,98589	6,32205	-10,09913622	ENST00000171887	7145	NM_022648	TNS1
A_23_P81158	8,32079	11,6745	-10,2227398	ENST00000515683	126	NM_000669	ADH1C
A_23_P213699	2,61153	5,97285	-10,27680569	ENST00000361474	9542	NM_013982	NRG2
A_24_P79040	2,50353	5,86764	-10,29669903	ENST00000597354	147968	NM_144691	CAPN12
A_23_P166797	8,46369	11,83	-10,31241269	ENST00000259030	64108	NM_022147	RTP4
A_33_P3332252	4,53098	7,8985	-10,32106542	ENST00000479328	79861	NM_024803	TUBAL3
A_21_P0009813	2,01514	5,38609	-10,3456329	ENST00000412321	101927820	XR_244202	LOC101927820
A_19_P00322746	2,38656	5,76798	-10,42098685	ENST00000430247	N/A	XR_244302	N/A
A_33_P3303414	1,71772	5,09939	-10,42279283	ENST00000368468	4121	NM_005907	MAN1A1
A_23_P333029	2,15106	5,53327	-10,4266948	ENST00000318528	203111	NM_173549	ERICH5
A_21_P0002289	2,09391	5,49377	-10,55503897	N/A	N/A	N/A	Inc-CNTNAP5-2
A_24_P132383	1,77113	5,18639	-10,66831187	ENST00000307271	155038	NM_175571	GIMAP8
A_23_P129005	5,58406	9,01123	-10,7567474	ENST00000382554	57523	NM_025081	NYNRIN

A_23_P2674	11,5518	14,9818	-10,77786861	ENST00000548097	3851	NM_002272	KRT4
A_33_P3384552	1,85586	5,29597	-10,85366214	N/A	N/A	N/A	N/A
A_24_P787947	3,2788	6,72854	-10,92635275	ENST00000312655	388403	NM_001005404	YPEL2
A_23_P42768	7,29178	10,7428	-10,93605122	ENST00000611745	222183	NM_001110199	SRRM3
A_24_P321525	5,07499	8,5348	-11,00288539	ENST00000536465	85004	NM_032918	RERG
A_23_P83347	1,64777	5,1222	-11,11495344	ENST00000478815	138065	NM_145051	RNF183
A_33_P3363485	1,54569	5,02171	-11,12721003	ENST00000477448	55084	NM_018013	SOBP
A_33_P3403400	3,70028	7,18041	-11,15895481	ENST00000373861	340204	NM_001010886	CLPSL1
A_23_P145631	5,42722	8,90942	-11,17497733	ENST00000618759	474344	NM_024711	GIMAP6
A_23_P82503	7,20645	10,6913	-11,19552284	ENST00000493935	23089	NM_001040152	PEG10
A_23_P201459	9,47585	12,9724	-11,2866857	ENST00000362020	2537	NM_022873	IFI6
A_32_P35969	5,0329	8,53014	-11,29208509	ENST00000306901	1139	NM_001190455	CHRNA7
A_23_P81676	1,4696	4,96792	-11,3005415	ENST00000368664	8838	NM_198239	WISP3
A_33_P3235147	1,84741	5,34776	-11,31645355	ENST00000222598	1749	NM_005221	DLX5
A_33_P3364741	5,27683	8,7942	-11,45074849	ENST00000583597	9902	NM_006039	MRC2
A_21_P0005248	1,60519	5,12514	-11,47124441	N/A	N/A	N/A	Inc-ASB4-3
A_22_P00004436	1,51459	5,04789	-11,57788639	ENST00000584683	N/A	AK057070	N/A
A_22_P00013918	1,65623	5,19212	-11,59869027	ENST00000515575	6192	N/A	RPS4Y1
A_23_P118894	2,29643	5,83632	-11,63089329	ENST00000300557	79170	NM_024320	PRR15L
A_23_P134426	4,94689	8,50875	-11,8093692	ENST00000381990	10457	NM_001005340	GPNMB
A_23_P8961	2,06101	5,62646	-11,83879221	ENST00000518982	3574	NM_000880	IL7
A_23_P63209	1,70938	5,27653	-11,85275068	ENST00000367028	3290	NM_181755	HSD11B1
A_23_P65278	3,97518	7,55216	-11,93378677	ENST00000400445	26960	NM_015678	NBEA
A_22_P00022635	3,0087	6,60015	-12,05408301	ENST00000581533	N/A	N/A	N/A
A_33_P3226810	7,79684	11,3957	-12,11615471	ENST00000241261	8743	NM_003810	TNFSF10
A_22_P00013718	1,56223	5,16567	-12,15467995	N/A	N/A	N/A	Inc-RP11-80A15.1.1-2
A_23_P500400	2,6377	6,25547	-12,27601152	ENST00000284425	23460	NM_080284	ABCA6
A_22_P00025141	3,1383	6,76526	-12,35445959	N/A	N/A	N/A	Inc-RNASET2-1
A_24_P281988	2,07554	5,72852	-12,57930229	ENST00000432376	23228	NM_015184	PLCL2
A_24_P291658	3,14965	6,80436	-12,59439574	ENST00000209668	124	NM_000667	ADH1A
A_23_P518	2,19739	5,85378	-12,60907029	ENST00000539893	79679	NM_024626	VTCN1
A_33_P3364389	6,2894	9,95361	-12,6776022	ENST00000475245	90019	AK293395	SYT8
A_22_P00019997	2,18494	5,85578	-12,73599703	N/A	N/A	N/A	Inc-CHAF1B-2

A_23_P21485	2,62032	6,29427	-12,76348148	ENST00000392055	55022	NM_017933	PID1
A_23_P151598	2,57717	6,26065	-12,8480722	ENST00000558995	9362	NM_006032	CPNE6
A_33_P3403595	1,68027	5,36639	-12,87160452	N/A	100130976	AK128633	LOC100130976
A_24_P62783	2,12652	5,81973	-12,9350166	ENST00000482018	2170	NM_004102	FABP3
A_23_P121253	8,28495	11,9931	-13,06966267	ENST00000241261	8743	NM_003810	TNFSF10
A_22_P00023274	1,76708	5,47561	-13,07310562	ENST00000621707	101928796	N/A	LOC101928796
A_23_P382811	1,40797	5,11762	-13,08325853	ENST00000428383	169166	NM_152628	SNX31
A_33_P3216090	2,50238	6,21385	-13,09977384	ENST00000375831	53358	NM_016848	SHC3
A_21_P0004659	3,50042	7,21486	-13,12676943	ENST00000418403	101928353	NR_125857	LOC101928353
A_22_P00004895	4,63984	8,36363	-13,21211933	ENST00000424343	N/A	N/A	N/A
A_33_P3355014	6,19814	9,9231	-13,22283847	ENST00000357461	161145	NM_182526	TMEM229B
A_21_P0002779	3,34873	7,07736	-13,25651821	N/A	100874091	NR_109809	TM4SF1-AS1
A_23_P389588	5,16954	8,90802	-13,34733676	ENST00000369389	6934	NM_030756	TCF7L2
A_24_P243749	4,32213	8,07259	-13,45863321	ENST00000005178	5166	NM_002612	PDK4
A_33_P3267118	9,34706	13,0999	-13,48085411	ENST00000374933	8672	N/A	EIF4G3
A_23_P1682	7,55348	11,3066	-13,48347075	ENST00000281441	120224	NM_138788	TMEM45B
A_24_P91566	1,63865	5,39944	-13,55534569	ENST00000395863	655	NM_001719	BMP7
A_33_P3326777	1,70415	5,47112	-13,61353658	ENST00000442019	285782	NM_001170692	CAGE1
A_23_P61406	2,84254	6,61635	-13,67823333	ENST00000375835	53358	NM_016848	SHC3
A_33_P3258244	1,71257	5,49165	-13,72828972	ENST00000614895	65217	NM_001142771	PCDH15
A_24_P406754	7,83607	11,625	-13,82234032	ENST00000260702	84171	NM_032211	LOXL4
A_33_P3362861	1,50764	5,30278	-13,88196604	ENST00000514101	22835	NM_014898	ZFP30
A_22_P00013103	3,97661	7,77176	-13,88206227	ENST00000440100	N/A	AI425063	N/A
A_23_P35725	1,38471	5,18562	-13,93759757	ENST00000256737	63982	NM_031418	ANO3
A_22_P00007082	2,42249	6,26466	-14,34195708	N/A	N/A	BX105657	Inc-GLIPR1L1-2
A_21_P0002897	1,76043	5,60461	-14,36195259	ENST00000488999	N/A	N/A	N/A
A_33_P3341499	1,49158	5,34641	-14,46836506	ENST00000264634	7474	NM_003392	WNT5A
A_22_P00017678	5,88141	9,75622	-14,67013254	N/A	101927885	XR_245288	LOC101927885
A_23_P304110	2,14029	6,04467	-14,97391952	ENST00000378693	134548	NM_175873	SOWAHA
A_23_P161424	1,69932	5,60579	-14,99562762	ENST00000377242	84898	NM_032812	PLXDC2
A_23_P48585	2,48738	6,40223	-15,08298428	ENST00000614342	6297	NM_005407	SALL2
A_22_P00006060	5,54369	9,4698	-15,20116511	N/A	N/A	AB074268	Inc-FAM131B-1
A_21_P0010372	1,88288	5,81109	-15,22330818	ENST00000454387	N/A	N/A	N/A

A_22_P00006065	2,99668	6,92528	-15,22742401	ENST00000418403	101928353	NR_125857	LOC101928353
A_21_P0004221	1,53131	5,46356	-15,26599798	N/A	N/A	N/A	Inc-ADCY2-5
A_33_P3223495	3,29165	7,2384	-15,42020457	ENST00000602645	N/A	BX537670	N/A
A_22_P00007661	4,71376	8,6969	-15,81410496	ENST00000423208	643623	N/A	LOC643623
A_23_P10936	1,60533	5,59187	-15,85141802	ENST00000398472	85285	NM_033060	KRTAP4-1
A_22_P00008961	6,13814	10,1255	-15,86043022	ENST00000560336	645687	NR_026796	LINC00520
A_33_P3380311	6,47127	10,46	-15,87549862	ENST00000480283	546	NM_000489	ATRX
A_33_P3719083	4,14757	8,14723	-15,99622972	ENST00000401522	89832	NM_139320	CHRFAM7A
A_23_P139146	2,06825	6,07694	-16,09666602	ENST00000300226	83661	NM_031457	MS4A8
A_32_P111639	1,34723	5,36618	-16,21154854	ENST00000284224	83539	NM_031422	CHST9
A_24_P105933	4,43423	8,47569	-16,46647679	ENST00000498102	7433	NM_004624	VIPR1
A_33_P3277575	3,95391	8,01197	-16,6570383	ENST00000404147	113130	N/A	CDCAS
A_23_P168339	1,95906	6,02969	-16,80280283	ENST00000252660	4142	NM_002377	MAS1
A_23_P161769	3,66796	7,76164	-17,07341798	ENST00000532984	486	NM_021603	FXD2
A_23_P107173	2,34984	6,45482	-17,2076717	ENST00000329168	4222	NM_004527	MEOX1
A_22_P00007151	5,83916	9,95424	-17,3285616	ENST00000417851	10991	NM_006841	SLC38A3
A_33_P3372840	5,17505	9,29143	-17,34418326	ENST00000374426	6387	NM_001033886	CXCL12
A_33_P3424057	8,63794	12,7744	-17,58727425	ENST00000599534	5178	NM_006210	PEG3
A_33_P3274710	1,65587	5,80688	-17,76554448	ENST00000526892	102724876	N/A	LOC102724876
A_21_P0007314	1,56942	5,73446	-17,93915462	N/A	102724711	XR_424203	LOC102724711
A_33_P3290709	2,44686	6,61368	-17,96130164	ENST00000361306	25975	NM_001167890	EGFL6
A_23_P83098	1,7168	5,93072	-18,5573654	ENST00000297785	216	NM_000689	ALDH1A1
A_22_P00015719	4,8646	9,07951	-18,57010413	ENST00000555518	646113	NR_015358	LINC00643
A_23_P95029	1,56097	5,79945	-18,87598467	ENST00000395601	6641	NM_021021	SNTB1
A_22_P00021608	3,28967	7,5606	-19,30536599	ENST00000414875	102723736	XR_426017	LOC102723736
A_24_P280846	1,60392	5,87748	-19,34059133	ENST00000475517	127845	NM_198447	GOLT1A
A_23_P37167	4,0935	8,36846	-19,35936866	ENST00000356287	4624	NM_002471	MYH6
A_21_P0010304	1,61045	5,89017	-19,42334808	ENST00000435744	91074	NM_052997	ANKRD30A
A_33_P3372727	3,45173	7,73381	-19,45514732	ENST00000382496	9037	NM_003966	SEMA5A
A_33_P3223503	1,46613	5,75626	-19,56400726	ENST00000380217	10129	NM_023037	FRY
A_22_P00001421	1,51471	5,84086	-20,05861375	ENST00000529282	102723644	NR_120584	LINC01499
A_22_P00010329	8,05843	12,3882	-20,10900788	N/A	N/A	N/A	Inc-MYB-1
A_23_P17420	4,24141	8,5888	-20,35611018	ENST00000371440	8537	NM_003657	BCAS1



A_23_P105862	4,39858	8,74794	-20,38392543	ENST00000380250	10129	NM_023037	FRY
A_23_P91910	2,54926	6,90889	-20,52954859	ENST00000354952	57088	NM_020353	PLSCR4
A_23_P399001	6,51449	10,9192	-21,18116446	ENST00000515038	51523	NM_016463	CXXC5
A_23_P71379	7,53574	11,9434	-21,22451968	ENST00000301258	8000	NM_005672	PSCA
A_33_P3309471	1,67908	6,09016	-21,27489343	ENST00000616559	374462	NM_001145026	PTPRQ
A_23_P164100	1,47374	5,88647	-21,29923929	ENST00000269127	124773	NM_181707	C17orf64
A_21_P0001862	5,73937	10,1553	-21,34653495	ENST00000415159	N/A	N/A	N/A
A_33_P3315699	1,86892	6,30148	-21,59402091	N/A	100130778	AK125937	LOC100130778
A_21_P0001233	2,94272	7,40433	-22,03324375	N/A	N/A	N/A	Inc-LBR-1
A_22_P00022128	2,61472	7,0821	-22,12154126	N/A	100874091	NR_109809	TM4SF1-AS1
A_33_P3227269	2,84754	7,32087	-22,21296388	ENST00000355358	399717	NR_024256	GATA3-AS1
A_33_P3332414	2,30429	6,81745	-22,83476441	ENST00000416177	5243	NM_000927	ABCB1
A_21_P0006549	2,19836	6,71324	-22,86200455	N/A	N/A	N/A	Inc-APLN-1
A_22_P00018671	1,72941	6,24433	-22,86263843	ENST00000509399	N/A	N/A	N/A
A_22_P00010649	1,49081	6,01344	-22,9851472	ENST00000445976	N/A	CD655906	N/A
A_23_P156907	1,78413	6,31459	-23,1102346	ENST00000317357	55084	NM_018013	SOBP
A_32_P32254	6,81942	11,3602	-23,27614123	ENST00000361866	1291	NM_001848	COL6A1
A_23_P128974	7,28982	11,8357	-23,35856918	ENST00000286639	10538	NM_006399	BATF
A_22_P00002402	2,88896	7,44041	-23,44892695	N/A	N/A	N/A	Inc-C14orf126-2
A_23_P368681	5,1924	9,75071	-23,56069187	ENST00000223293	26157	NM_015660	GIMAP2
A_22_P00010159	3,42928	8,0075	-23,88809661	ENST00000569588	283738	NR_038229	NTRK3-AS1
A_24_P272088	5,34576	9,93217	-24,02409201	ENST00000556227	6710	NM_001024858	SPTB
A_33_P3366175	1,71399	6,31667	-24,29655729	ENST00000525556	100130298	NR_034003	LOC100130298
A_33_P3406677	3,33007	7,95394	-24,65605363	ENST00000437033	131	NM_000673	ADH7
A_21_P0003675	1,58526	6,24141	-25,21394576	N/A	101928223	NR_125889	LOC101928223
A_33_P3330911	6,03825	10,7272	-25,79375665	ENST00000371440	8537	NM_003657	BCAS1
A_21_P0005622	3,96854	8,65904	-25,82148379	ENST00000426023	N/A	N/A	N/A
A_23_P116653	1,58337	6,2855	-26,03047982	ENST00000298566	79370	NM_138722	BCL2L14
A_21_P0005708	3,06036	7,76255	-26,03156242	ENST00000523728	101929628	XR_426319	LOC101929628
A_24_P209455	1,6496	6,39622	-26,8457164	ENST00000255945	55303	NM_018326	GIMAP4
A_23_P92562	3,58391	8,34254	-27,07013167	ENST00000437033	131	NM_000673	ADH7
A_33_P3253717	1,5277	6,29071	-27,15244106	N/A	N/A	N/A	N/A
A_33_P3464555	2,14533	6,9329	-27,61863282	ENST00000619168	57118	XM_006717483	CAMK1D

A_33_P3350169	1,65498	6,46511	-28,05391088	ENST00000300227	374864	NM_001105528	CCDC178
A_22_P00004113	1,54752	6,37098	-28,31432045	ENST00000504509	101928223	NR_125889	LOC101928223
A_23_P68487	5,33867	10,1631	-28,33336406	ENST00000395863	655	NM_001719	BMP7
A_33_P3356935	1,53317	6,35942	-28,36912994	N/A	399948	NM_207429	COLCA1
A_24_P113264	2,3375	7,25319	-30,18353763	ENST00000509137	126433	XM_006723017	FBXO27
A_23_P36187	7,24167	12,1743	-30,54003901	ENST00000490707	90019	NM_138567	SYT8
A_33_P3314579	1,40582	6,42119	-32,34273999	ENST00000481501	83871	NM_001142625	RAB34
A_23_P114713	3,82962	8,89962	-33,59093388	ENST00000371923	1580	NM_000779	CYP4B1
A_24_P289208	3,9067	9,06949	-35,82239772	ENST00000518498	7033	NM_003226	TFF3
A_22_P00008868	1,45754	6,6455	-36,45285737	N/A	730159	NM_001195190	LOC730159
A_33_P3315375	1,6375	6,85041	-37,08875667	ENST00000394566	91607	NM_001104587	SLFN11
A_23_P24784	8,10332	13,4012	-39,33877151	ENST00000617947	7136	NM_003282	TNNI2
A_24_P61490	1,4134	6,84283	-43,09444474	ENST00000518149	7080	NM_003317	NKX2-1
A_23_P337262	2,16264	7,67244	-45,56328941	ENST00000355285	147495	NM_153000	APCDD1
A_23_P154643	2,13228	7,66606	-46,32695647	ENST00000395863	655	NM_001719	BMP7
A_33_P3268622	11,9132	17,4933	-47,83849175	ENST00000518469	8581	NM_003695	LY6D
A_33_P3334305	4,51799	10,2764	-54,132008	ENST00000518498	7033	NM_003226	TFF3
A_23_P401055	5,21133	10,9999	-55,27556647	ENST00000325404	6657	NM_003106	SOX2
A_23_P393099	6,55135	12,5992	-66,15828815	ENST00000291525	7033	NM_003226	TFF3
A_23_P70448	3,12609	9,21901	-68,25770486	ENST00000244573	3024	NM_005325	HIST1H1A
A_33_P3234697	1,37133	7,50938	-70,42667176	ENST00000264265	56925	NM_020169	LXN
A_32_P105825	1,36835	7,51902	-71,04543266	ENST00000528686	744	NM_001584	MPPED2
A_33_P3433388	2,92371	9,08065	-71,35487037	N/A	790953	NR_122122	TSL
A_23_P383009	1,81937	8,15113	-80,54705856	ENST00000233813	3488	NM_000599	IGFBP5
A_32_P53524	1,47881	8,55123	-134,5893085	ENST00000173229	9423	NM_004822	NTN1
A_33_P3315385	1,56464	9,10253	-185,83649	ENST00000358117	744	NM_001584	MPPED2