

Supplementary Table 3. Differentially expressed genes between cervical cancer patients with lc

Low H2A.Z.1 and high H2A.Z.1				
ID	log2FC	padj	symbol	ID
ENSG00000243236	-6.14829303	2.35E-05	NA	ENSG00000157005
ENSG00000196091	-6.037291069	1.38E-06	MYBPC1	ENSG00000142515
ENSG00000165643	-5.810375124	0.012766935	SOHLH1	ENSG00000101441
ENSG00000251676	-5.637543995	0.041766368	SNHG27	ENSG00000227121
ENSG00000186867	-5.263788155	0.000133548	QRFPR	ENSG00000180745
ENSG00000164900	-5.098138263	0.000620525	GBX1	ENSG00000175311
ENSG00000099769	-4.88639189	4.86E-08	IGFALS	ENSG00000207148
ENSG00000244468	-4.819709733	7.87E-08	NA	ENSG00000077327
ENSG00000263612	-4.758144085	9.32E-05	NA	ENSG00000262117
ENSG00000183072	-4.550781954	4.03E-06	NKX2-5	ENSG00000267015
ENSG00000227121	-4.501404416	0.046054118	NA	ENSG00000226172
ENSG00000181617	-4.336131444	0.000556268	FDCSP	ENSG00000279427
ENSG00000137090	-4.232378844	5.83E-07	DMRT1	ENSG00000134193
ENSG00000163982	-4.202083948	0.003295462	OTOP1	ENSG00000248771
ENSG00000152931	-4.119980156	1.76E-07	PART1	ENSG00000186867
ENSG00000262801	-4.085215722	0.004157964	NA	ENSG00000164266
ENSG00000107187	-4.041186437	5.68E-06	LHX3	ENSG00000169903
ENSG00000265992	-4.032185875	0.000727228	ESRG	ENSG00000179902
ENSG00000166558	-4.026245796	0.000686452	SLC38A8	ENSG00000215217
ENSG00000250426	-3.98522818	0.046677235	FTLP10	ENSG00000205267
ENSG00000179673	-3.969987245	0.000199618	RPRML	ENSG00000169064
ENSG00000256321	-3.889326875	0.010704678	LOC101928441	ENSG00000244468
ENSG00000231561	-3.827474103	5.06E-06	NA	ENSG00000173557
ENSG00000267670	-3.798449559	0.004194666	NA	ENSG00000231720
ENSG00000081138	-3.796684011	0.007478609	CDH7	ENSG00000204644
ENSG00000173467	-3.775893608	0.001707076	AGR3	ENSG00000280623
ENSG00000261399	-3.772904977	0.003267073	NA	ENSG00000080572
ENSG00000249509	-3.726247452	0.000648921	NA	ENSG00000170367
ENSG00000207148	-3.681743168	0.026636165	NA	ENSG00000110484
ENSG00000251491	-3.619705783	0.001214751	NA	ENSG00000277268
ENSG00000261780	-3.60913282	0.005503145	LINC02582	ENSG00000243236
ENSG00000265185	-3.565255713	3.98E-05	SNORD3B-1	ENSG00000261411
ENSG00000259001	-3.530022363	2.68E-05	NA	ENSG00000163879
ENSG00000236078	-3.505766267	0.029694207	LINC01447	ENSG00000165215
ENSG00000259527	-3.485603587	0.013584191	LINC00052	ENSG00000124939
ENSG00000156885	-3.483877761	0.000511848	COX6A2	ENSG00000230076
ENSG00000256007	-3.477157097	0.006402181	NA	ENSG00000278642
ENSG00000275186	-3.46419033	0.010874493	NA	ENSG00000166589
ENSG00000244094	-3.460789762	0.000616944	SPRR2F	ENSG00000233125
ENSG00000225178	-3.440619803	3.33E-07	NA	ENSG00000228349

ENSG00000258700	-3.424690366	0.010237953	LINC00871	ENSG00000127831
ENSG00000163825	-3.402550114	0.00456606	RTP3	ENSG00000167751
ENSG00000250348	-3.340014607	0.041914444	NA	ENSG00000257935
ENSG00000256995	-3.327046389	0.001372162	NA	ENSG00000101198
ENSG00000165194	-3.327008941	7.41E-05	PCDH19	ENSG00000275718
ENSG00000188000	-3.324465681	0.000426449	OR7D2	ENSG00000114204
ENSG00000233125	-3.310499142	0.001309526	NA	ENSG00000237076
ENSG00000228295	-3.298223695	0.039059024	NA	ENSG00000259925
ENSG00000260072	-3.287769305	0.006140461	NA	ENSG00000095932
ENSG00000249599	-3.242348362	0.006718235	BMPR1B-DT	ENSG00000100557
ENSG00000231995	-3.196619543	0.000255278	NA	ENSG00000188833
ENSG00000267057	-3.192428418	0.021209002	LINC01905	ENSG00000259485
ENSG00000102387	-3.170057058	5.93E-05	TAF7L	ENSG00000176381
ENSG00000183434	-3.166933555	0.011384755	TFDP3	ENSG00000128242
ENSG00000080572	-3.158858027	0.001560223	PIH1D3	ENSG00000166959
ENSG00000141668	-3.157180069	0.003783045	CBLN2	ENSG00000006128
ENSG00000144485	-3.128019711	1.30E-10	HES6	ENSG00000136918
ENSG00000253807	-3.122468052	0.000245536	NA	ENSG00000231738
ENSG00000142515	-3.114638901	0.011320981	KLK3	ENSG00000235931
ENSG00000240521	-3.108850928	0.003138011	NA	ENSG00000177108
ENSG00000230525	-3.084121238	0.038565914	LINC01799	ENSG00000156076
ENSG00000244280	-3.076878795	0.005683576	ECEL1P2	ENSG00000019505
ENSG00000217646	-3.052843959	5.77E-05	NA	ENSG00000256618
ENSG00000250710	-3.046336317	0.042324157	NA	ENSG00000253892
ENSG00000234715	-3.031271439	0.000159841	LOC101927870	ENSG00000185681
ENSG00000254532	-3.02564535	0.021283253	NA	ENSG00000228695
ENSG00000188095	-3.018784423	3.07E-07	MESP2	ENSG00000248663
ENSG00000154269	-3.014081042	0.00023922	ENPP3	ENSG00000188523
ENSG00000230990	-2.99399341	0.044109243	NA	ENSG00000178828
ENSG00000168539	-2.987052918	0.001495538	CHRM1	ENSG00000257512
ENSG00000116783	-2.985599762	0.000280081	TNNI3K	ENSG00000257588
ENSG00000237359	-2.980659602	0.014073715	NA	ENSG00000159763
ENSG00000230750	-2.963806696	0.018834984	NA	ENSG00000159625
ENSG00000226825	-2.957280776	0.004650535	NA	ENSG00000101197
ENSG00000237515	-2.957206108	0.008795659	SHISA9	ENSG00000141744
ENSG00000157856	-2.953166915	0.000105662	DRC1	ENSG00000138100
ENSG00000230076	-2.952584005	0.000521144	NA	ENSG00000238225
ENSG00000225544	-2.952256276	0.009682472	NA	ENSG00000272121
ENSG00000214544	-2.947736714	0.000422252	NA	ENSG00000157856
ENSG00000077327	-2.945449494	0.000303074	SPAG6	ENSG00000275186
ENSG00000276067	-2.942516953	0.005586182	NA	ENSG00000231170
ENSG00000185942	-2.93205988	0.036502732	NKAIN3	ENSG00000146910
ENSG00000254584	-2.926952212	0.002607379	LOC100506675	ENSG00000145920

ENSG00000244009	-2.926199406	3.94E-06	NA	ENSG00000173467
ENSG00000266373	-2.924034691	0.014412233	NA	ENSG00000165309
ENSG00000172497	-2.919613343	0.026046391	ACOT12	ENSG00000253943
ENSG00000177359	-2.907897379	2.19E-05	OVOS2	ENSG00000170788
ENSG00000175018	-2.897228201	0.022631622	TEX36	ENSG00000257660
ENSG00000277586	-2.892659949	0.007906512	NEFL	ENSG00000152611
ENSG00000237787	-2.887594423	0.005595082	C3orf79	ENSG00000219159
ENSG00000257570	-2.885165388	0.000471732	NA	ENSG00000153347
ENSG00000050030	-2.879537823	0.003952255	NEXMIF	ENSG00000243518
ENSG00000250049	-2.862907738	0.027795283	NA	ENSG00000257989
ENSG00000163499	-2.858700328	0.000489921	CRYBA2	ENSG00000213085
ENSG00000163273	-2.855979647	0.00032119	NPPC	ENSG00000273063
ENSG00000161860	-2.853960551	1.77E-13	SYCE2	ENSG00000187094
ENSG00000157060	-2.853689708	0.020686564	SHCBP1L	ENSG00000200651
ENSG00000204832	-2.852244832	0.002452916	ST8SIA6-AS1	ENSG00000241641
ENSG00000161905	-2.844227681	0.001359798	ALOX15	ENSG00000138083
ENSG00000249610	-2.842972384	0.001104534	NA	ENSG00000214207
ENSG00000178934	-2.83269716	0.003810661	LGALS7	ENSG00000249231
ENSG00000243429	-2.831480336	0.002383439	NA	ENSG00000173826
ENSG00000204710	-2.822769084	0.00270921	SPDYC	ENSG00000124657
ENSG00000163331	-2.813913409	0.001719068	DAPL1	ENSG00000244414
ENSG00000179902	-2.799716007	0.007462838	C1orf194	ENSG00000124935
ENSG00000249768	-2.789394074	0.00055598	NA	ENSG00000173610
ENSG00000262074	-2.786772513	0.003915888	SNORD3B-2	ENSG00000213130
ENSG00000188816	-2.769749526	0.004214331	HMX2	ENSG00000234152
ENSG00000185633	-2.768818382	0.000304876	NDUFA4L2	ENSG00000261548
ENSG00000261292	-2.768411469	0.046052193	NA	ENSG00000169562
ENSG00000231322	-2.765241538	0.03706163	RPL13AP17	ENSG00000229652
ENSG00000161609	-2.761501148	0.010080754	CCDC155	ENSG00000272514
ENSG00000145879	-2.760417141	0.036454176	SPINK7	ENSG00000204950
ENSG00000127129	-2.755746219	8.52E-05	EDN2	ENSG00000129654
ENSG00000231453	-2.753681496	0.001513034	LINC01305	ENSG00000234210
ENSG00000154027	-2.74700654	4.60E-05	AK5	ENSG00000174776
ENSG00000125144	-2.746908776	1.54E-05	MT1G	ENSG00000255118
ENSG00000124939	-2.741151002	0.009104754	SCGB2A1	ENSG00000261713
ENSG00000234819	-2.718846195	0.015172334	NA	ENSG00000177238
ENSG00000073146	-2.712205448	0.001081451	MOV10L1	ENSG00000112539
ENSG00000115138	-2.708099509	7.10E-05	POMC	ENSG00000226644
ENSG00000077800	-2.699957788	6.35E-05	FKBP6	ENSG00000273044
ENSG00000279397	-2.698728836	0.032394202	NA	ENSG00000205212
ENSG00000253764	-2.698045987	0.044091214	LOC101928058	ENSG00000164746
ENSG00000129170	-2.696165523	0.004210748	CSRP3	ENSG00000260740
ENSG00000266312	-2.694353682	0.033200584	NA	ENSG00000179673

ENSG00000171102	-2.686673701	0.042800715	OBP2B	ENSG00000160181
ENSG00000136918	-2.675393965	8.68E-05	WDR38	ENSG00000234183
ENSG00000230203	-2.675051134	0.003229616	NA	ENSG00000243910
ENSG00000100024	-2.67121834	0.000418378	UPB1	ENSG00000175018
ENSG00000166823	-2.663047283	0.000122309	MESP1	ENSG00000145491
ENSG00000179008	-2.659864134	0.000833811	C14orf39	ENSG00000182351
ENSG00000251313	-2.648873363	0.000980451	NA	ENSG00000187821
ENSG00000105278	-2.648519995	0.002905591	ZFR2	ENSG00000125798
ENSG00000252118	-2.646828847	0.023121721	NA	ENSG00000178882
ENSG00000146013	-2.63658587	4.02E-05	GFRA3	ENSG00000215606
ENSG00000263923	-2.634845269	0.001086286	NA	ENSG00000266830
ENSG00000279725	-2.625881905	0.03125806	NA	ENSG00000204001
ENSG00000172900	-2.623850067	0.02596127	FLJ42102	ENSG00000140297
ENSG00000200651	-2.614741185	0.006232309	NA	ENSG00000177133
ENSG00000223486	-2.613487954	0.012895809	NA	ENSG00000117148
ENSG00000181323	-2.600716342	0.02332083	SPEM1	ENSG00000261736
ENSG00000205358	-2.598120435	0.000397229	MT1H	ENSG00000260944
ENSG00000262198	-2.594878861	0.010076444	NA	ENSG00000255545
ENSG00000231625	-2.594001853	0.005214746	NA	ENSG00000243955
ENSG00000261083	-2.593620207	0.00174978	LINC02516	ENSG00000236146
ENSG00000105519	-2.593054398	9.88E-05	CAPS	ENSG00000181378
ENSG00000186910	-2.588751449	0.022152572	SERPINA11	ENSG00000256321
ENSG00000248771	-2.586827171	0.030357992	SMIM31	ENSG00000254224
ENSG00000201524	-2.585146138	0.003446129	NA	ENSG00000231156
ENSG00000153132	-2.581992501	0.000334257	CLGN	ENSG00000269303
ENSG00000179799	-2.575677432	0.00229834	NA	ENSG00000217776
ENSG00000213218	-2.573155341	0.009035704	CSH2	ENSG00000124664
ENSG00000242837	-2.570435052	0.002387186	NA	ENSG00000215148
ENSG00000215217	-2.570339005	0.018095002	C5orf49	ENSG00000234224
ENSG00000260838	-2.568386185	0.043603105	NA	ENSG00000269293
ENSG00000169900	-2.564472729	0.041048013	PYDC1	ENSG00000280440
ENSG00000163687	-2.562212214	0.001066405	DNASE1L3	ENSG00000162174
ENSG00000114638	-2.558841451	0.003776598	UPK1B	ENSG00000168539
ENSG00000100867	-2.545404126	0.00017388	DHRS2	ENSG00000225969
ENSG00000273027	-2.543320983	4.86E-08	NA	ENSG00000161798
ENSG00000202198	-2.54104337	2.56E-05	RN7SK	ENSG00000224928
ENSG00000114204	-2.533382002	0.007355646	SERPINI2	ENSG00000176840
ENSG00000267004	-2.518113715	0.002587745	NA	ENSG00000079841
ENSG00000155918	-2.512518027	0.001699242	RAET1L	ENSG00000217646
ENSG00000008196	-2.50406142	0.049298065	TFAP2B	ENSG00000254864
ENSG00000242968	-2.501935988	0.000230648	NA	ENSG00000196570
ENSG00000149735	-2.495876633	0.001843176	GPHA2	ENSG00000234928
ENSG00000188508	-2.494909997	0.026814307	KRTDAP	ENSG00000274276

ENSG00000186710	-2.48965836	1.27E-05	CFAP73	ENSG00000077009
ENSG00000236804	-2.479209167	0.007302075	NA	ENSG00000261575
ENSG00000244619	-2.471357004	0.015333785	NA	ENSG00000162989
ENSG00000109255	-2.46999028	2.88E-05	NMU	ENSG00000241570
ENSG00000182798	-2.462772408	0.016439057	MAGEB17	ENSG00000129991
ENSG00000214128	-2.461896901	0.039621887	TMEM213	ENSG00000227755
ENSG00000255129	-2.459363961	9.84E-11	NA	ENSG00000231086
ENSG00000187288	-2.457404608	0.006098888	CIDEC	ENSG00000102109
ENSG00000234152	-2.448716445	0.012042391	NA	ENSG00000112280
ENSG00000238225	-2.448576374	0.010923386	NA	ENSG00000156885
ENSG00000153347	-2.445653812	0.017943775	FAM81B	ENSG00000123843
ENSG00000272567	-2.43907543	2.08E-20	NA	ENSG00000199461
ENSG00000236060	-2.436567044	3.22E-06	NA	ENSG00000267424
ENSG00000158516	-2.434477508	0.00114388	CPA2	ENSG00000100079
ENSG00000258670	-2.43364747	0.01186275	NA	ENSG00000222465
ENSG00000271977	-2.432780729	0.03899547	NA	ENSG00000118271
ENSG00000163286	-2.430898985	0.034845892	ALPG	ENSG00000277011
ENSG00000254343	-2.430878473	0.000810643	NA	ENSG00000260765
ENSG00000145832	-2.428641913	0.008386836	SLC25A48	ENSG00000092850
ENSG00000109846	-2.428256492	0.00281202	CRYAB	ENSG00000250834
ENSG00000234692	-2.417618412	0.018834984	NA	ENSG00000267175
ENSG00000213606	-2.392697511	0.007901249	NA	ENSG00000161055
ENSG00000135097	-2.390752881	0.003829492	MSI1	ENSG00000227165
ENSG00000167077	-2.389318575	0.00071365	MEI1	ENSG00000197893
ENSG00000239911	-2.387980419	4.88E-05	NA	ENSG00000131094
ENSG00000163440	-2.38728469	0.000413766	PDCL2	ENSG00000215478
ENSG00000118156	-2.386782457	0.002367986	ZNF541	ENSG00000252546
ENSG00000169064	-2.383861875	0.03939856	ZBBX	ENSG00000096088
ENSG00000237594	-2.382853115	5.78E-08	LOC150051	ENSG00000260183
ENSG00000174871	-2.377632218	1.61E-08	CNIH2	ENSG00000224791
ENSG00000206069	-2.372386702	0.029377501	TMEM211	ENSG00000187837
ENSG00000253825	-2.360891478	0.007669237	NA	ENSG00000235268
ENSG00000250381	-2.36039841	0.006852894	NA	ENSG00000237614
ENSG00000267417	-2.35836781	0.02967031	NA	ENSG00000175877
ENSG00000232385	-2.357645549	0.00018113	NA	ENSG00000249815
ENSG00000170454	-2.355772926	0.025682342	KRT75	ENSG00000254675
ENSG00000263934	-2.349221323	0.000356001	SNORD3A	ENSG00000273407
ENSG00000257407	-2.348337949	0.015296652	NA	ENSG00000133640
ENSG00000196570	-2.338150742	0.043315553	PFN3	ENSG00000242860
ENSG00000171119	-2.337532555	0.000150743	NRTN	ENSG00000130700
ENSG00000092850	-2.332261156	0.000389001	TEKT2	ENSG00000229119
ENSG00000237076	-2.329736921	0.024533292	NA	ENSG00000250658
ENSG00000163888	-2.321081313	1.13E-05	CAMK2N2	ENSG00000250584

ENSG00000156689	-2.320828872	0.020128899	GLYATL2	ENSG00000277459
ENSG00000245293	-2.320140045	2.40E-05	LOC101929595	ENSG00000255277
ENSG00000241418	-2.317199252	0.000548598	NA	ENSG00000146453
ENSG00000105479	-2.298345575	0.00070291	CCDC114	ENSG00000254290
ENSG00000226944	-2.293144492	4.29E-05	LOC102724450	ENSG00000178623
ENSG00000204140	-2.284266212	0.045809581	CLPSL1	ENSG00000173237
ENSG00000243181	-2.28229986	1.25E-05	NA	ENSG00000275155
ENSG00000165215	-2.27935746	0.022256699	CLDN3	ENSG00000163888
ENSG00000272121	-2.276513448	0.021984292	NA	ENSG00000224822
ENSG00000229983	-2.272717353	0.000148033	NA	ENSG00000269012
ENSG00000260496	-2.271052349	0.035091392	NA	ENSG00000274641
ENSG00000196503	-2.268746983	0.000800102	ARL9	ENSG00000243709
ENSG00000213757	-2.261672848	7.43E-06	NA	ENSG00000186075
ENSG00000124664	-2.258015142	0.023862024	SPDEF	ENSG00000163286
ENSG00000225840	-2.251218913	0.031505449	NA	ENSG00000104537
ENSG00000178429	-2.247474408	4.58E-06	NA	ENSG00000260390
ENSG00000213085	-2.246707473	9.14E-05	CFAP45	ENSG00000264107
ENSG00000214237	-2.245784299	0.00095744	MINDY4B	ENSG00000243449
ENSG00000226272	-2.241948871	0.024533141	ARHGAP26-AS1	ENSG00000277386
ENSG00000224079	-2.240744261	0.008332853	NA	ENSG00000241388
ENSG00000237265	-2.239876698	0.009528523	LOC100129291	ENSG00000197353
ENSG00000135324	-2.239740819	0.000894451	MRAP2	ENSG00000258792
ENSG00000229652	-2.23849407	0.0021858	NA	ENSG00000255020
ENSG00000205038	-2.238394829	0.008795659	PKHD1L1	ENSG00000266086
ENSG00000233324	-2.23644454	0.003800467	NA	ENSG00000256802
ENSG00000132026	-2.235122521	0.005533578	RTBDN	ENSG00000272071
ENSG00000240233	-2.233863885	0.015436278	NA	ENSG00000186710
ENSG00000269210	-2.231471914	0.00037299	LOC375196	ENSG00000233080
ENSG00000273172	-2.229594101	0.005769671	NA	ENSG00000223361
ENSG00000229814	-2.22901064	0.045028704	NA	ENSG00000260001
ENSG00000128564	-2.225780587	4.54E-05	VGF	ENSG00000277235
ENSG00000277748	-2.225057733	0.015989319	NA	ENSG00000272236
ENSG00000267751	-2.224961995	1.12E-05	LOC105372233	ENSG00000203897
ENSG00000249256	-2.2226231	0.008408784	NA	ENSG00000267751
ENSG00000139144	-2.219103105	0.007356807	PIK3C2G	ENSG00000213174
ENSG00000262445	-2.218429802	0.024730288	NA	ENSG00000265480
ENSG00000174326	-2.21786275	0.000857961	SLC16A11	ENSG00000105707
ENSG00000205704	-2.213194074	1.05E-11	LINC00634	ENSG00000215089
ENSG00000186281	-2.213050784	0.018834984	GPAT2	ENSG00000114455
ENSG00000121211	-2.21236646	5.17E-28	MND1	ENSG00000260247
ENSG00000224712	-2.210502375	9.57E-05	NPIPA3	ENSG00000261829
ENSG00000242860	-2.209623646	0.001658265	NA	ENSG00000122735
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ENSG00000222465	-1.830008146	0.041460606	NA	ENSG00000275417
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ENSG00000188186	-1.760544173	1.76E-07	LAMTOR4	ENSG00000139410
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ENSG00000100156	-1.754734236	0.001735411	SLC16A8	ENSG00000170421
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ENSG00000163631	-1.748263647	0.029945497	ALB	ENSG00000174326
ENSG00000215063	-1.746204125	0.002056274	NA	ENSG00000146540
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ENSG00000004838	-1.74326628	0.006679863	ZMYND10	ENSG00000240052
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ENSG00000220793	-1.734965468	0.001245296	NA	ENSG00000254030
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ENSG00000213145	-1.725943672	0.00093008	CRIP1	ENSG00000213069
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ENSG00000214612	-1.722983343	0.006247722	NA	ENSG00000197826
ENSG00000266117	-1.722644743	0.002979188	NA	ENSG00000146049
ENSG00000272795	-1.720458039	0.000394919	NA	ENSG00000226032
ENSG00000178226	-1.719605335	3.13E-07	PRSS36	ENSG00000227404
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ENSG00000239593	-1.692631928	0.030730479	NA	ENSG00000265688
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ENSG00000224132	-1.663321773	0.046938673	NA	ENSG00000277450
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ENSG00000255504	-1.657153371	0.045575952	NA	ENSG00000224712
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ENSG00000237512	-1.647025007	0.042806151	UNC5B-AS1	ENSG00000214530
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ENSG00000152128	1.656973784	0.006137425	TMEM163	ENSG00000228350
ENSG00000235105	1.657230172	0.00689892	NA	ENSG00000171858
ENSG00000034239	1.657403202	0.048885805	EFCAB1	ENSG00000099769



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ENSG00000280828	1.659618526	0.003840344	NA	ENSG00000164556
ENSG00000146477	1.659660072	0.007635627	SLC22A3	ENSG00000202198
ENSG00000176659	1.659907497	0.037594684	C20orf197	ENSG00000243779
ENSG00000230266	1.659972015	0.01946534	XXYLT1-AS2	ENSG00000273233
ENSG00000161958	1.660076133	0.008418459	FGF11	ENSG00000100156
ENSG00000206989	1.660757266	0.003950147	SNORD63	ENSG00000204128
ENSG00000259498	1.66145224	0.044103656	NA	ENSG00000164898
ENSG00000254263	1.661585416	0.041694801	NA	ENSG00000130222
ENSG00000239264	1.661657742	0.003942143	TXNDC5	ENSG00000215326
ENSG00000271105	1.664328288	0.032739972	NA	ENSG00000253978
ENSG00000206848	1.665025728	0.038121711	NA	ENSG00000214089
ENSG00000226318	1.665915968	0.000798281	NA	ENSG00000128266
ENSG00000218586	1.665918241	0.003982467	NA	ENSG00000002330
ENSG00000027644	1.666411791	0.020768629	INSRR	ENSG00000231006
ENSG00000125966	1.666836653	0.003331477	MMP24	ENSG00000132514
ENSG00000248126	1.667774763	0.016302503	NA	ENSG00000233196
ENSG00000122121	1.668659176	0.03706163	XPNPEP2	ENSG00000263531
ENSG00000198406	1.669642236	0.000100703	NA	ENSG00000183617
ENSG00000278638	1.670365416	0.010032761	NA	ENSG00000169738
ENSG00000185666	1.671634038	0.008605269	SYN3	ENSG00000228551
ENSG00000104055	1.67236211	0.042698898	TGM5	ENSG00000266970
ENSG00000177103	1.673374158	0.006413604	DSCAML1	ENSG00000112514
ENSG00000264801	1.67375264	0.010753475	NA	ENSG00000250222
ENSG00000255422	1.673910887	0.029166028	LOC105369519	ENSG00000225644
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ENSG00000130684	1.676682344	0.000679606	ZNF337	ENSG00000260136
ENSG00000256188	1.677084741	0.049705269	TAS2R30	ENSG00000256632
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ENSG00000223459	1.677824287	0.015333785	NA	ENSG00000272655
ENSG00000086300	1.679016184	0.000205556	SNX10	ENSG00000273139
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ENSG00000026751	1.680962691	0.014010601	SLAMF7	ENSG00000249679
ENSG00000158517	1.681413533	0.004486643	NCF1	ENSG00000233921
ENSG00000261934	1.681451504	0.006309407	PCDHGA9	ENSG00000259687
ENSG00000087495	1.682850429	0.017753653	PHACTR3	ENSG00000237753
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ENSG00000251593	1.68480181	0.003569584	NA	ENSG00000162814

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ENSG00000171873	1.686175247	0.007430135	ADRA1D	ENSG00000244021
ENSG00000278616	1.686680911	0.009703338	NA	ENSG00000249610
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ENSG00000183873	1.688584945	0.004438917	SCN5A	ENSG00000104879
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ENSG00000202078	1.692892859	0.015965613	NA	ENSG00000278677
ENSG00000166924	1.692912664	0.001856234	NYAP1	ENSG00000234936
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ENSG00000187952	1.693036288	0.013808391	NA	ENSG00000184925
ENSG00000100234	1.694368786	0.039492134	TIMP3	ENSG00000213343
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ENSG00000099937	1.697067584	0.038121711	SERPIND1	ENSG00000225067
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ENSG00000228028	1.697518263	0.017525397	NA	ENSG00000231164
ENSG00000090659	1.697786444	0.006377331	CD209	ENSG00000182809
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ENSG00000204277	1.701304113	0.029396003	LINC01993	ENSG00000273216
ENSG00000204936	1.701919553	0.016208983	CD177	ENSG00000272192
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ENSG00000236320	1.702500461	0.018417924	SLFN14	ENSG00000277602
ENSG00000151693	1.70293811	0.000530609	ASAP2	ENSG00000268129
ENSG00000279649	1.704797447	0.000890672	NA	ENSG00000198937
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ENSG00000252711	1.706744681	0.046938673	NA	ENSG00000172965
ENSG00000226232	1.708185298	0.000696387	NA	ENSG00000105968
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ENSG00000222460	1.709677539	0.030703666	NA	ENSG00000213757
ENSG00000224769	1.709688987	0.024198106	NA	ENSG00000227507
ENSG00000234630	1.71140939	0.039712094	NA	ENSG00000261839
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ENSG00000213976	1.714160357	0.027267647	NA	ENSG00000104883
ENSG00000271532	1.714749408	0.009677674	NA	ENSG00000237668
ENSG00000248714	1.714979741	0.018929923	NA	ENSG00000123143
ENSG00000218976	1.715570326	0.018086647	NA	ENSG00000273106
ENSG00000269148	1.715801707	0.000529229	NA	ENSG00000073150
ENSG00000228663	1.716163613	0.002323327	NA	ENSG00000269210
ENSG00000166257	1.71687984	0.005756618	SCN3B	ENSG00000107014
ENSG00000101134	1.717714797	0.006675042	DOK5	ENSG00000279130
ENSG00000240219	1.719882128	0.014010601	NA	ENSG00000226580
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ENSG00000129048	1.721844944	0.010686312	ACKR4	ENSG00000243167
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ENSG00000280331	1.725760587	0.00955488	NA	ENSG00000275714
ENSG00000198879	1.726914798	0.000415793	SFMBT2	ENSG00000121653
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ENSG00000213250	1.730373207	0.000556819	NA	ENSG00000227705
ENSG00000272087	1.730660123	0.000603911	NA	ENSG00000272707
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ENSG00000264113	1.733125763	0.04410654	NA	ENSG00000239569
ENSG00000226148	1.7344133	0.029247773	NA	ENSG00000185250
ENSG00000228784	1.735286299	0.00321806	LINC00954	ENSG00000262188
ENSG00000081237	1.735983479	0.003485479	PTPRC	ENSG00000184908
ENSG00000261754	1.736259003	0.025361245	NA	ENSG00000229833
ENSG00000205041	1.737107789	0.013690076	NA	ENSG00000063241
ENSG00000130988	1.737440469	0.027159318	RGN	ENSG00000170906
ENSG00000281896	1.741367353	0.007995419	NA	ENSG00000171855
ENSG00000132970	1.741662191	0.006051391	WASF3	ENSG00000156509
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ENSG00000163491	1.743070867	0.001635856	NEK10	ENSG00000276863
ENSG00000229688	1.743282521	0.024837811	CRPPA-AS1	ENSG00000272966
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ENSG00000227212	1.744222912	0.029338596	NA	ENSG00000117691
ENSG00000124091	1.744337115	0.001461048	GCNT7	ENSG00000250254
ENSG00000274963	1.745528899	0.005774111	NA	ENSG00000163083
ENSG00000268743	1.745917067	0.005791823	NA	ENSG00000058404
ENSG00000274816	1.746146091	0.014104914	MIR6772	ENSG00000214182
ENSG00000260635	1.746272344	0.014766304	NA	ENSG00000090266
ENSG00000234511	1.746536522	0.007810061	C5orf58	ENSG00000254170
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ENSG00000237766	1.748092211	0.009023734	NA	ENSG00000234287
ENSG00000254732	1.748724923	0.005759561	NA	ENSG00000178125
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ENSG00000271119	1.749379733	0.002032399	NA	ENSG00000100908
ENSG00000236700	1.749447271	0.013692544	LINC01010	ENSG00000167157
ENSG00000182890	1.749970756	0.000119004	GLUD2	ENSG00000214456
ENSG00000267632	1.750193473	0.000930619	NA	ENSG00000223891
ENSG00000235681	1.751471641	0.003295462	NA	ENSG00000243802
ENSG00000186150	1.752116692	0.015760892	UBL4B	ENSG00000235559
ENSG00000125735	1.753423557	7.26E-05	TNFSF14	ENSG00000172590
ENSG00000166523	1.753531431	0.015138465	CLEC4E	ENSG00000135617
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ENSG00000242550	1.756520015	0.042756002	SERPINB10	ENSG00000169696
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ENSG00000265201	1.763489909	0.010154679	MIR4677	ENSG00000213970
ENSG00000103044	1.763615373	0.023173974	HAS3	ENSG00000177699
ENSG00000228107	1.76387238	9.45E-06	NA	ENSG00000168070
ENSG00000261582	1.764393889	1.42E-05	NA	ENSG00000158423
ENSG00000213171	1.76445637	0.028079578	LINGO4	ENSG00000233223

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ENSG00000258947	1.768923465	0.014237737	TUBB3	ENSG00000235297
ENSG00000203414	1.769469083	0.045477573	NA	ENSG00000230837
ENSG00000161082	1.769631892	0.005984348	CELF5	ENSG00000099377
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ENSG00000184792	1.774241978	0.001214751	OSBP2	ENSG00000218175
ENSG00000257150	1.77439942	0.017579346	PGAM1P5	ENSG00000111834
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ENSG00000254428	1.775347055	0.00050866	NA	ENSG00000005075
ENSG00000162878	1.775722273	0.04355412	PKDCC	ENSG00000213937
ENSG00000132821	1.776469099	0.035842417	VSTM2L	ENSG00000280649
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ENSG00000278925	1.77779251	0.046602523	NA	ENSG00000131495
ENSG00000208002	1.778063439	0.041914444	MIR643	ENSG00000278546
ENSG00000225506	1.779408653	1.68E-05	NA	ENSG00000261183
ENSG00000279700	1.779800117	0.00064019	NA	ENSG00000240087
ENSG00000139220	1.780073894	0.025015499	PPFIA2	ENSG00000145642
ENSG00000252743	1.781092657	0.001847054	NA	ENSG00000277075
ENSG00000232545	1.782053975	0.043210977	NA	ENSG00000240231
ENSG00000073737	1.783742127	0.002842218	DHRS9	ENSG00000270469
ENSG00000279296	1.783911524	0.00171489	NA	ENSG00000183145
ENSG00000238151	1.784788802	0.025186803	NA	ENSG00000230629
ENSG00000237094	1.784908332	0.001239608	NA	ENSG00000215915
ENSG00000127588	1.78495166	0.017028176	GNG13	ENSG00000223803
ENSG00000253326	1.786209226	0.014807066	NA	ENSG00000234985
ENSG00000173262	1.786416591	0.028974015	SLC2A14	ENSG00000275484
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ENSG00000075213	1.792482944	0.028301494	SEMA3A	ENSG00000110717
ENSG00000269102	1.794064901	0.009242174	NA	ENSG00000239246
ENSG00000245667	1.794142655	0.018448561	NA	ENSG00000005981
ENSG00000272564	1.794457947	0.03728868	NA	ENSG00000233927
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ENSG00000255197	1.796169299	0.004107328	NA	ENSG00000160318
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ENSG00000257298	1.802612748	0.000550666	NA	ENSG00000115138
ENSG00000225075	1.802745117	0.000121443	NA	ENSG00000169692
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ENSG00000269901	1.809997452	0.018756382	NA	ENSG00000241431
ENSG00000186481	1.815245796	0.009943414	NA	ENSG00000249617
ENSG00000268379	1.815702915	0.00854397	NA	ENSG00000188800
ENSG00000270427	1.815736168	0.000555598	NA	ENSG00000232134
ENSG00000254780	1.817159177	0.043120027	NA	ENSG00000108961
ENSG00000113209	1.817159814	0.002175103	PCDHB5	ENSG00000272137
ENSG00000250116	1.817489369	0.012247519	LOC100506142	ENSG00000229168
ENSG00000103888	1.817779854	0.003823085	CEMIP	ENSG00000128228
ENSG00000256427	1.819121794	0.047001918	NA	ENSG00000231747
ENSG00000231395	1.819373013	0.033313329	NA	ENSG00000278816
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ENSG00000259205	1.820403308	0.00070775	NA	ENSG00000269313
ENSG00000250274	1.820990128	0.005282429	LOC100128059	ENSG00000151366
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ENSG00000159450	1.821465163	0.030972676	TCHH	ENSG00000260342
ENSG00000003989	1.8217841	0.047880108	SLC7A2	ENSG00000237708
ENSG00000246627	1.823001389	0.002609563	CACNA1C-AS1	ENSG00000101412
ENSG00000133083	1.823168041	0.019649364	DCLK1	ENSG00000172183
ENSG00000226312	1.823630929	2.29E-06	CFLAR-AS1	ENSG00000234975
ENSG00000236975	1.823794407	0.046799323	NA	ENSG00000231663
ENSG00000237238	1.824904312	0.006256735	NA	ENSG00000261040
ENSG00000170396	1.827464185	0.001512418	ZNF804A	ENSG00000118307
ENSG00000124391	1.827739809	0.010823836	IL17C	ENSG00000170412
ENSG00000115232	1.828030159	0.00114388	ITGA4	ENSG00000250471
ENSG00000240970	1.828214831	5.31E-05	NA	ENSG00000233276
ENSG00000165895	1.831093626	0.000368285	ARHGAP42	ENSG00000247675
ENSG00000268750	1.831321266	0.00214073	NA	ENSG00000132432
ENSG00000245711	1.831386465	0.005959774	NA	ENSG00000260979

ENSG00000223725	1.831806915	0.002857412	NA	ENSG00000266378
ENSG00000230953	1.832216941	0.000846666	NA	ENSG00000204055
ENSG00000279631	1.834804893	0.001375725	NA	ENSG00000237991
ENSG00000172179	1.83512623	0.031357063	PRL	ENSG00000007314
ENSG00000211967	1.836701007	0.032218259	NA	ENSG00000230537
ENSG00000084628	1.837309202	0.003439344	NKAIN1	ENSG00000267484
ENSG00000235151	1.83752576	0.043635612	NA	ENSG00000279415
ENSG00000212743	1.837602228	0.000141377	NA	ENSG00000175854
ENSG00000160867	1.83837421	0.006815356	FGFR4	ENSG00000187608
ENSG00000102908	1.840911217	3.22E-06	NFAT5	ENSG00000206647
ENSG00000168631	1.842569428	0.016281878	MUCL3	ENSG00000185347
ENSG00000238247	1.843090351	0.029797608	NA	ENSG00000173486
ENSG00000130962	1.844016026	0.00014702	PRRG1	ENSG00000204392
ENSG00000170370	1.844594453	0.003830444	EMX2	ENSG00000183048
ENSG00000121406	1.844942358	0.004008464	ZNF549	ENSG00000121089
ENSG00000111452	1.845243462	0.001215038	ADGRD1	ENSG00000137198
ENSG00000211789	1.845519119	0.030661821	NA	ENSG00000167733
ENSG00000243238	1.846895985	0.040914847	NA	ENSG00000226944
ENSG00000271590	1.84742031	0.002679415	NA	ENSG00000276390
ENSG00000253873	1.847593362	3.05E-05	PCDHGA11	ENSG00000164100
ENSG00000184368	1.848061719	0.019036588	MAP7D2	ENSG00000231884
ENSG00000202290	1.848609886	0.018398052	NA	ENSG00000252147
ENSG00000082074	1.849114843	0.000310883	FYB1	ENSG00000251576
ENSG00000181690	1.850769263	0.002909045	PLAG1	ENSG00000115350
ENSG00000127366	1.851432788	2.23E-05	TAS2R5	ENSG00000213455
ENSG00000279693	1.851744181	0.043471728	NA	ENSG00000159197
ENSG00000238575	1.852374569	0.030063583	NA	ENSG00000198816
ENSG00000277681	1.852573833	0.003634654	MIR6739	ENSG00000226360
ENSG00000182195	1.852665387	0.014040938	LDOC1	ENSG00000231636
ENSG00000223117	1.853531033	0.01330328	NA	ENSG00000213005
ENSG00000185477	1.855087325	0.00015083	GPRIN3	ENSG00000141294
ENSG00000163564	1.855722878	0.001372162	PYHIN1	ENSG00000223551
ENSG00000244578	1.856116761	0.012749302	LINC01391	ENSG00000126267
ENSG00000236529	1.856158177	0.002335757	NA	ENSG00000250490
ENSG00000232712	1.857901078	0.005989998	KIZ-AS1	ENSG00000260081
ENSG00000281756	1.858112442	0.004248804	C2-AS1	ENSG00000230698
ENSG00000226686	1.858934526	0.029547741	LINC01535	ENSG00000257704
ENSG00000223503	1.859502848	0.043112898	NA	ENSG00000229278
ENSG00000240654	1.860607393	0.024630881	C1QTNF9	ENSG00000182196
ENSG00000233590	1.860807661	0.046263696	NA	ENSG00000273287
ENSG00000218233	1.860899508	0.033992079	NA	ENSG00000225764
ENSG00000255443	1.861171078	0.002160406	NA	ENSG00000265055
ENSG00000242797	1.86207498	0.010340063	NA	ENSG00000259704

ENSG00000261117	1.863271902	0.015867012	NA	ENSG00000175701
ENSG00000267560	1.864628973	0.000984286	NA	ENSG00000140264
ENSG00000196345	1.865481842	0.000311121	ZKSCAN7	ENSG00000273143
ENSG00000204956	1.865626345	0.000164542	PCDHGA1	ENSG00000185641
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ENSG00000087258	1.870924405	0.00025473	GNAO1	ENSG00000234031
ENSG00000225422	1.87136705	0.000122614	NA	ENSG00000225169
ENSG00000267691	1.871855567	0.018427538	NA	ENSG00000272905
ENSG00000198947	1.871951209	0.006006043	DMD	ENSG00000132821
ENSG00000155961	1.872028079	0.001845465	RAB39B	ENSG00000105672
ENSG00000239799	1.873169124	0.049178253	ITIH4-AS1	ENSG00000214253
ENSG00000135116	1.874751603	0.02122778	HRK	ENSG00000228546
ENSG00000278281	1.876942765	0.003794721	MIR7856	ENSG00000276754
ENSG00000100368	1.87694596	0.00037614	CSF2RB	ENSG00000244398
ENSG00000202227	1.877668342	0.030717508	NA	ENSG00000125743
ENSG00000274021	1.878599914	0.009696186	NA	ENSG00000197165
ENSG00000233048	1.878833604	0.041590695	LINC01722	ENSG00000183971
ENSG00000162006	1.880047076	0.048960793	NA	ENSG00000226471
ENSG00000010379	1.880926064	0.033151651	SLC6A13	ENSG00000233762
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ENSG00000253485	1.884797796	0.000519634	PCDHGA5	ENSG00000109113
ENSG00000267044	1.885084335	0.042696941	NA	ENSG00000185043
ENSG00000276851	1.885894744	0.027159318	NA	ENSG00000184986
ENSG00000231563	1.887789699	0.00144734	NA	ENSG00000264148
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ENSG00000244731	1.887994332	0.014513164	C4A	ENSG00000163263
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ENSG00000185565	1.890098225	0.002135354	LSAMP	ENSG00000238103
ENSG00000237914	1.890144433	0.028686885	SIRPG-AS1	ENSG00000180767
ENSG00000264520	1.890417188	0.029654209	NA	ENSG00000233081
ENSG00000166510	1.892637848	0.001999858	CCDC68	ENSG00000108846
ENSG00000254810	1.893127402	0.009181198	NA	ENSG00000241935
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ENSG00000177614	1.894776137	0.006307255	PGBD5	ENSG00000265121
ENSG00000232216	1.894926627	0.036393416	NA	ENSG00000255114
ENSG00000253132	1.895093556	0.030219951	NA	ENSG00000240418
ENSG00000198788	1.896313957	0.035813619	MUC2	ENSG00000005448
ENSG00000278864	1.90025776	6.62E-05	NA	ENSG00000232368
ENSG00000200924	1.900427855	0.007886448	NA	ENSG00000260871
ENSG00000200090	1.901390456	0.000280139	NA	ENSG00000101333
ENSG00000211942	1.902576156	0.01087206	NA	ENSG00000221890
ENSG00000167232	1.902698	0.001899587	ZNF91	ENSG00000230798
ENSG00000250282	1.903747058	0.045000401	NA	ENSG00000259262



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ENSG00000069431	1.907988322	0.00042037	ABCC9	ENSG00000108106
ENSG00000130598	1.908162691	0.008312469	TNNI2	ENSG00000232858
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ENSG00000101977	1.912255505	0.027726647	MCF2	ENSG00000225642
ENSG00000188738	1.91330082	0.012000673	FSIP2	ENSG00000236481
ENSG00000269068	1.914262984	0.046509696	NA	ENSG00000204435
ENSG00000171714	1.914362623	0.001533401	ANO5	ENSG00000168894
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ENSG00000155659	1.916062053	0.002948619	VSIG4	ENSG00000273073
ENSG00000259984	1.916356742	0.010080754	NA	ENSG00000124257
ENSG00000203327	1.916978109	0.006077758	NA	ENSG00000049769
ENSG00000267046	1.917570072	0.030681818	NA	ENSG00000272660
ENSG00000205002	1.917659655	0.030593662	AARD	ENSG00000244332
ENSG00000259834	1.920115498	0.007818792	NA	ENSG00000272432
ENSG00000214264	1.920259414	0.003884211	NA	ENSG00000231453
ENSG00000169071	1.920398826	0.002543991	ROR2	ENSG00000237372
ENSG00000231431	1.922547001	0.049471206	LOC440910	ENSG00000171236
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ENSG00000232229	1.923486127	0.000616944	LINC00865	ENSG00000144130
ENSG00000228113	1.924318128	0.003600861	NA	ENSG00000272953
ENSG00000214820	1.925688302	0.000385987	NA	ENSG00000240006
ENSG00000167653	1.926277553	0.026978436	PSCA	ENSG00000188086
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ENSG00000236489	1.926792835	0.026646317	NA	ENSG00000224877
ENSG00000275512	1.927437972	0.040246014	NA	ENSG00000142546
ENSG00000256746	1.928115791	0.03190737	MADD-AS1	ENSG00000168765
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ENSG00000258498	1.928873792	0.003829492	DIO3OS	ENSG00000124602
ENSG00000254162	1.929451466	0.001305201	NA	ENSG00000115297
ENSG00000157168	1.930160599	0.01089589	NRG1	ENSG00000280012
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ENSG00000278266	1.93097361	0.021906701	NA	ENSG00000225357
ENSG00000049192	1.930977959	0.000162578	ADAMTS6	ENSG00000236305
ENSG00000234292	1.932883283	0.003890846	NA	ENSG00000255857
ENSG00000251187	1.934177385	0.031952133	NA	ENSG00000188747
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ENSG00000233578	1.944596745	0.000603911	NA	ENSG00000149932
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ENSG00000201579	1.948087815	0.004763782	NA	ENSG00000176912
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ENSG00000269300	1.953563575	0.011294939	NA	ENSG00000222365
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ENSG00000265975	1.96749325	0.004798033	NA	ENSG00000225213
ENSG00000269397	1.968856134	0.032185992	NA	ENSG00000213462
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ENSG00000254122	1.971327027	8.58E-05	PCDHGB7	ENSG00000258851
ENSG00000188488	1.973003036	0.010080754	SERPINA5	ENSG00000134909
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ENSG00000281183	1.978007692	0.00043439	NPTN-IT1	ENSG00000279833
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ENSG00000149948	1.979043762	0.049527902	HMGA2	ENSG00000120868
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ENSG00000171049	1.981000036	0.004313795	FPR2	ENSG00000231329
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ENSG00000211643	1.984946436	0.024126872	NA	ENSG00000270427
ENSG00000258949	1.986314018	0.013765007	LOC101927418	ENSG00000263727
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ENSG00000164197	1.991861375	0.004695865	RNF180	ENSG00000103479
ENSG00000259417	1.993960072	0.003551009	CTXND1	ENSG00000196172
ENSG00000124194	1.994219265	0.007191745	GDAP1L1	ENSG00000226318
ENSG00000214711	1.994608726	0.015125413	CAPN14	ENSG00000224110
ENSG00000242019	1.995637907	0.011042267	KIR3DL3	ENSG00000279555
ENSG00000184206	1.997873421	0.00088684	GOLGA6L4	ENSG00000235602
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ENSG00000111886	2.000775555	0.001111898	GABRR2	ENSG00000230872
ENSG00000268117	2.005892106	0.03706163	NA	ENSG00000211945
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ENSG00000206145	2.009888964	0.032962281	NA	ENSG00000228808
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ENSG00000125848	2.018763181	0.019176543	FLRT3	ENSG00000278987
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ENSG00000253239	2.022283019	0.033992079	NA	ENSG00000113742
ENSG00000271687	2.024202408	0.039837208	NA	ENSG00000198626
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ENSG00000236946	2.032913725	0.023436687	NA	ENSG00000172159
ENSG00000274376	2.033292178	0.019609307	ADAMTS7P1	ENSG00000212371
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ENSG00000212175	2.03558516	0.003852213	NA	ENSG00000211950
ENSG00000254909	2.035679069	4.32E-05	NA	ENSG00000259856
ENSG00000231666	2.035705528	0.011113109	LINC01704	ENSG00000235408
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ENSG00000237988	2.040512889	0.009203395	NA	ENSG00000207652
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ENSG00000265728	2.042888466	0.00865284	NA	ENSG00000252355
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ENSG00000259367	2.387288257	0.000370445	NA	ENSG00000266124
ENSG00000266968	2.38745765	0.01338068	NA	ENSG00000211699
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ENSG00000251209	2.397765868	0.034199447	LINC00923	ENSG00000206989
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2.98585393	8.64E-05	NA
2.989620276	2.69E-06	NA
2.991180641	0.000545459	AGAP11
2.992737516	1.23E-06	GALNT4

2.994035519	3.02E-05	NA
2.995852926	2.15E-06	NA
2.996938765	0.001069686	HCG22
3.002185558	0.000309987	NA
3.004122516	5.73E-05	NA
3.007865988	0.01038506	NA
3.010181603	5.92E-06	CXCL5
3.010236075	6.32E-06	NA
3.013265336	0.01514412	LINC01475
3.01824909	1.83E-09	GCOM1
3.024204964	9.79E-09	NA
3.025951962	4.54E-05	CAPN14
3.03316062	0.003983177	NA
3.038451431	0.000111305	LINC00540
3.048392656	0.000370701	NA
3.051437869	0.036213032	NA
3.052993973	0.000561178	NA
3.055771029	0.000125183	NA
3.060889789	6.40E-05	NA
3.062847046	4.52E-06	NA
3.063826024	2.85E-07	CXCL6
3.068924202	8.88E-05	PPP1R3C
3.080714423	0.000872808	NA
3.083775071	0.000108506	SLC6A14
3.085961134	0.001996622	NA
3.08731822	0.002396998	NA
3.092278248	0.02914854	ERVV-1
3.096010208	0.024250242	NA
3.108852352	0.018449385	NA
3.11402837	3.87E-05	NA
3.116455938	5.95E-07	PLA2G4E-AS1
3.118097507	5.58E-05	NA
3.134550127	0.00192935	FAM205A
3.139994145	2.23E-09	SULT1C4
3.144461931	0.000797855	NA
3.146317307	0.000108458	TGFB2-AS1
3.146951115	0.000915018	NA
3.157804259	0.000895796	MUC21
3.160130468	8.98E-05	SERPINB12
3.161884558	0.00020862	HTR1B
3.167255872	0.000457607	NA
3.175782104	2.37E-06	PCDHGA10
3.192594275	0.000756601	TMPRSS11F

3.198358937	1.05E-06	NA
3.201406586	4.35E-05	GPR78
3.201481357	0.005613548	TAS2R60
3.208033975	0.004068454	PCDHA12
3.224980089	9.58E-06	NA
3.225854995	0.035201616	NA
3.245846766	0.021535651	NA
3.25202353	4.76E-07	RNF222
3.256496927	0.002349856	CHL1-AS1
3.25852782	0.002371213	LINC02487
3.275790261	0.001328546	NA
3.276638382	0.009923716	TAS2R38
3.285404045	5.94E-06	SV2B
3.288037874	3.75E-08	ZBED6
3.289531225	0.003644628	NA
3.29292203	0.000169659	MIR135B
3.29970369	0.008238582	NA
3.305149408	0.000107535	KLK13
3.310420138	4.13E-07	NA
3.320369515	0.000827125	ZNF727
3.322854276	0.035209477	ERVV-2
3.32608022	0.003203723	NA
3.328201084	0.00019111	NA
3.346807123	0.002969523	NA
3.349699437	3.18E-06	NA
3.350201002	7.82E-05	NUTM1
3.359128884	0.032703638	NA
3.360742054	0.022813962	FGB
3.362536417	0.007344637	CLDN17
3.368765941	2.45E-06	NA
3.370587445	0.007982698	KRT38
3.373944165	1.53E-05	GABRB3
3.376599875	2.99E-07	NA
3.409514173	2.32E-07	NA
3.416609164	0.000457607	NA
3.425483806	2.51E-05	METTL24
3.436483567	0.006670783	NA
3.463578822	4.59E-08	RNF225
3.46449902	0.000128255	NA
3.464618986	0.022212763	NA
3.474441183	4.50E-06	PCDHGB4
3.496056461	0.005248167	NA
3.5162845	0.013595661	NA

3.519069268	0.00737006	FDCSP
3.529312829	1.10E-08	NA
3.541681759	1.77E-05	GDPD2
3.62210129	0.000106401	FLG2
3.665038672	0.001141911	NA
3.683094838	0.001796865	CRNN
3.691375962	0.012347585	NA
3.724793214	0.031500125	LOC728755
3.740762654	2.15E-06	CPS1
3.752210688	4.10E-05	FER1L6
3.7596965	0.024464195	NA
3.773440358	0.004522875	NA
3.794037415	1.71E-06	NA
3.800395494	0.006038553	GPR50
3.839451957	0.000748641	MAGEA10
3.874074876	0.003279384	NA
3.917736483	3.62E-06	NA
3.958873288	0.001152894	IL36A
4.024595557	7.38E-05	TMPRSS11B
4.044831446	3.17E-05	NA
4.107014442	0.002061251	NA
4.133380197	2.36E-05	NA
4.160905493	4.88E-05	NA
4.205734809	7.37E-07	GPR15
4.221807974	0.000663982	NA
4.223605138	0.000253067	MAPK4
4.246095696	0.004852863	NA
4.27468966	1.87E-08	PCDHGB5
4.283887617	1.21E-06	FLG
4.43681603	0.005102952	HTR2C
4.54364653	3.90E-05	NA
4.60886772	0.002100586	TGM6
5.070297111	5.07E-09	OR10H1
6.14440315	7.91E-09	MUCL1

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