

upreg_DEGs

Gene_ID	Gene_Symbol	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj
ENSG0000019991.11	HGF	120.5839366	2.019034016	0.183460741	11.00526471	3.60456E-28	8.97319E-24
ENSG00000136689.14	IL1RN	191.5120792	3.899807095	0.372774989	10.4615578	1.29705E-25	1.61444E-21
ENSG00000103888.11	KIAA1199	116.7224759	3.624497812	0.352837951	10.27241486	9.38261E-25	7.78569E-21
ENSG0000018280.12	SLC11A1	37.2592514	3.966209652	0.388146963	10.21831944	1.64162E-24	1.02166E-20
ENSG00000119535.13	CSF3R	171.463044	3.144067579	0.318371118	9.875477972	5.31788E-23	2.64767E-19
ENSG00000169429.6	IL8	301.1804291	5.361234298	0.546021064	9.818731642	9.35127E-23	3.87984E-19
ENSG00000095752.2	IL11	30.51118759	6.673933463	0.682028101	9.785423002	1.3005E-22	4.62496E-19
ENSG00000125538.7	IL1B	210.8287069	3.885492628	0.400029158	9.71302355	2.65347E-22	8.25693E-19
ENSG00000162493.12	PDPN	88.92067759	2.34287363	0.242702723	9.653264724	4.76152E-22	1.31704E-18
ENSG00000124731.8	TREM1	27.53353743	4.862884426	0.506349283	9.603814191	7.70396E-22	1.74348E-18
ENSG00000149968.7	MMP3	314.1495277	5.231984215	0.544554038	9.607832923	7.40919E-22	1.74348E-18
ENSG00000102265.7	TIMP1	364.2507087	1.940732512	0.204730564	9.479446933	2.55634E-21	4.8952E-18
ENSG00000157551.13	KCNJ15	26.6300245	4.400092025	0.46378394	9.48737471	2.36926E-21	4.8952E-18
ENSG00000105825.7	TFPI2	58.94360077	3.510554163	0.371076032	9.460471326	3.06558E-21	5.45104E-18
ENSG00000159167.7	STC1	39.16217104	3.094443154	0.329197225	9.39996732	5.458E-21	9.0581E-18
ENSG00000129451.7	KLK10	29.90976127	4.888711929	0.521504939	9.374238981	6.96766E-21	1.08408E-17
ENSG0000007908.11	SELE	36.83411078	4.342720825	0.467489783	9.289445428	1.55094E-20	2.27113E-17
ENSG00000122641.9	INHBA	84.39235027	3.763523492	0.408189269	9.220045149	2.96975E-20	4.10717E-17
ENSG00000106366.7	STRIPINE1	107.0411026	3.623869407	0.395819744	9.155352813	5.41805E-20	7.09878E-17
ENSG00000184557.3	SOCS3	453.7585382	2.892171559	0.316364353	9.141900876	6.13641E-20	7.63799E-17
ENSG00000123496.3	IL13RA2	13.14344889	4.420804849	0.488328624	9.052929992	1.39183E-19	1.54924E-16
ENSG00000134827.3	TCN1	30.89819586	4.974009326	0.549622125	9.049870986	1.43137E-19	1.54924E-16
ENSG00000163347.5	CLDN1	45.71831882	2.493143225	0.275259665	9.057423002	1.33569E-19	1.54924E-16
ENSG00000171049.8	FRP2	50.76386314	4.684317869	0.522356941	8.967656984	3.02889E-19	3.14171E-16
ENSG00000164932.8	CTHRC1	24.05824362	2.243684445	0.251561197	8.919040279	4.70346E-19	4.68352E-16
ENSG00000163739.4	CXCL1	184.4010815	2.955981315	0.331669022	8.912443195	4.99201E-19	4.77966E-16
ENSG00000122861.11	PLAU	228.8654753	1.735204667	0.196171229	8.845357597	9.12357E-19	8.41193E-16
ENSG00000078098.9	FAP	23.21574502	2.762523846	0.312624662	8.836551241	9.87187E-19	8.7768E-16
ENSG00000087916.7	SLC6A14	182.4224505	4.292757059	0.486067329	8.831609955	1.0318E-18	8.85709E-16
ENSG00000174175.12	SELP	67.26375651	1.919487948	0.217507682	8.82492027	1.09538E-18	9.08945E-16
ENSG00000128578.5	STRIP2	34.03279829	2.185769909	0.248352463	8.801080059	1.35506E-18	1.08815E-15
ENSG00000114270.11	COL7A1	226.6817433	2.661551661	0.303155702	8.779487381	1.64221E-18	1.27754E-15
ENSG00000163220.10	S100A9	395.1738396	4.022027568	0.46007379	8.742135841	2.28744E-18	1.72556E-15
ENSG00000196611.4	MMP1	434.7686468	3.909477113	0.447903242	8.728396552	2.58309E-18	1.89127E-15
ENSG00000171051.4	FRP1	91.77504541	3.689345765	0.424127022	8.698681223	3.35763E-18	2.38814E-15
ENSG00000163735.6	CXCL5	90.33120471	5.37000063	0.621622498	8.638684482	5.6864E-18	3.93214E-15
ENSG00000162747.5	FCGR3B	82.99052125	4.454044336	0.519354832	8.57611032	9.81354E-18	6.4289E-15
ENSG00000164294.9	GPX8	100.9571863	1.504564524	0.175416734	8.577086634	9.73063E-18	6.4289E-15
ENSG00000166670.5	MMP10	25.5546138	4.502536486	0.525541815	8.567418162	1.05831E-17	6.75528E-15
ENSG00000070193.4	FGF10	16.89511841	1.964393716	0.229800848	8.548243996	1.24975E-17	7.77784E-15
ENSG00000211896.2	IGHG1	9190.797756	3.770387258	0.44124648	8.544855145	1.28698E-17	7.81414E-15
ENSG00000140285.5	FGF7	128.9722913	1.878812227	0.221044523	8.499700441	1.90081E-17	1.12663E-14
ENSG00000196352.9	CD55	875.8406819	1.989503589	0.234379738	8.488377049	2.09543E-17	1.21311E-14
ENSG00000151726.9	ACSL1	391.9278697	2.044678026	0.241134687	8.479402336	2.26354E-17	1.28065E-14
ENSG00000163359.11	COL6A3	2661.762691	1.598139872	0.189421468	8.436952194	3.2572E-17	1.80188E-14
ENSG00000103569.5	AQP9	120.3690239	5.17289932	0.615608259	8.402908595	4.35554E-17	2.3571E-14
ENSG00000255398.2	HCAR3	25.56282868	4.097194973	0.4902006	8.358200656	6.36821E-17	3.37298E-14
ENSG00000123843.8	CABPB	54.49097508	2.75865682	0.33242206	8.298657501	1.05294E-17	5.2424E-14
ENSG00000128918.10	ALDH1A2	54.61644547	3.891675145	0.46887375	8.300049091	1.04068E-16	5.2424E-14
ENSG00000253755.1	IGHG1	26.15292803	4.678472047	0.564124732	8.293329083	1.10122E-16	5.37526E-14
ENSG00000143546.5	S100A8	162.8081675	4.29343643	0.519777007	8.260150735	1.45489E-16	6.96499E-14
ENSG00000110799.9	VWF	758.6482656	1.596097254	0.193539836	8.246866826	1.62601E-16	7.63736E-14
ENSG00000123610.3	TNFAIP6	35.52777147	3.513969115	0.429714973	8.177441652	2.89934E-16	1.33659E-13
ENSG00000167460.10	TPM4	2428.514637	0.781503411	0.095687479	8.167248436	3.15503E-16	1.42802E-13
ENSG00000158859.9	ADAMTS4	44.5123493	2.793897977	0.342895733	8.147952013	3.70139E-16	1.6454E-13
ENSG00000104415.9	WISP1	42.93118094	2.484750141	0.305271395	8.13947911	3.96982E-16	1.73377E-13
ENSG00000173852.9	DPY19L1	304.1922635	0.806623142	0.099336298	8.120124846	4.65704E-16	1.99884E-13
ENSG00000111344.7	RASAL1	36.20494915	1.260941176	0.155334656	8.117577925	4.75577E-16	2.00662E-13
ENSG00000135480.10	KRT7	11.03694585	3.564951088	0.441688859	8.071181815	6.9621E-16	2.88857E-13
ENSG00000162745.6	OLFML2B	35.59738144	1.508692263	0.186977711	8.068834798	7.09722E-16	2.89636E-13
ENSG00000163638.9	ADAMTS9	137.0938915	1.318188894	0.163575647	8.058588899	7.71802E-16	3.09891E-13
ENSG00000073756.7	PTGS2	198.1729446	2.940997371	0.365527951	8.045889146	8.56215E-16	3.38327E-13
ENSG00000185201.12	IFITM2	208.1391875	1.51230155	0.188187282	8.036151713	9.2704E-16	3.60589E-13
ENSG00000162551.9	ALPL	50.81537119	2.277609925	0.283744901	8.026963364	9.99149E-16	3.82659E-13
ENSG00000091879.9	ANGPT2	40.24496642	1.589488638	0.198776734	7.996351525	1.2816E-15	4.83397E-13
ENSG00000198759.7	EGFL6	9.197546961	3.014604685	0.377131579	7.993509028	1.31151E-15	4.87295E-13
ENSG00000102359.5	SRPX2	34.29846048	1.806924746	0.226604295	7.973920992	1.53718E-15	5.62743E-13
ENSG00000145623.8	OSMR	189.6991107	1.461769398	0.183447193	7.968338856	1.60821E-15	5.74286E-13
ENSG00000152661.7	GJA1	287.1293929	1.039901127	0.130512464	7.967829994	1.61485E-15	5.74286E-13
ENSG00000151012.9	SLC7A11	191.4145587	1.77166381	0.223019847	7.943973763	1.95805E-15	6.76996E-13
ENSG00000163191.5	S100A11	634.2040352	1.288735282	0.162219359	7.944398829	1.95135E-15	6.76996E-13
ENSG00000104312.6	RIPK2	77.78008067	1.23886525	0.156095724	7.936573936	2.07842E-15	7.08771E-13
ENSG00000211936.2	IGHV4-4	40.87067206	4.695969815	0.594039045	7.905153461	2.67604E-15	9.00233E-13
ENSG00000115461.4	IGHFBP5	1672.857418	1.958794304	0.248091447	7.895452775	2.89263E-15	9.60122E-13
ENSG00000166130.10	IKBIP	100.9866907	1.001932738	0.127001292	7.889153883	3.04242E-15	9.96553E-13
ENSG00000108342.8	CSF3	11.3373803	6.939504408	0.879898371	7.886711283	3.10254E-15	1.00305E-12
ENSG00000198535.5	C2CD4A	26.43926127	2.89819522	0.368597584	7.862762388	3.75753E-15	1.18405E-12
ENSG00000186340.10	THBS2	80.00703607	2.726266745	0.347419182	7.847196942	4.25439E-15	1.30752E-12
ENSG00000244482.5	LILRA6	15.80542385	2.920348433	0.37209959	7.848297907	4.21722E-15	1.30752E-12
ENSG00000247844.1	CCAT1	11.8417659	2.485581334	0.317638284	7.825194438	5.06873E-15	1.53879E-12
ENSG00000211897.3	IGHG3	874.6201047	3.700382188	0.473324487	7.817854968	5.3731E-15	1.61154E-12
ENSG00000258227.2	CLEC5A	9.398429019	3.857869519	0.495217034	7.790260137	6.68714E-15	1.98178E-12
ENSG00000182782.7	HCAAR2	23.74432845	3.082586712	0.396091306	7.782515463	7.10965E-15	2.08221E-12
ENSG00000112559.9	MDF1	12.74154153	2.037357685	0.262198998	7.77027257	7.83174E-15	2.26702E-12
ENSG00000124875.5	CXCL6	61.3931554	2.805447769	0.361946711	7.750996708	9.11741E-15	2.60884E-12
ENSG00000154096.9	THY1	195.4425184	1.518444083	0.197078456	7.704769548	1.3108E-14	3.69716E-12
ENSG00000180871.3	CXCR2	38.44848449	3.692453629	0.479786706	7.696031554	1.40357E-14	3.88228E-12
ENSG00000087245.8	MMP2	943.7712665	1.311831202	0.170520634	7.693093645	1.43619E-14	3.92886E-12
ENSG00000125810.9	CD93	588.6334161	0.871779852	0.113365227	7.690011089	1.47122E-14	3.98094E-12
ENSG00000165434.6	PNGM2L1	250.2336422	0.815897939	0.106160303	7.685527568	1.52368E-14	4.07854E-12
ENSG00000139289.9	PHLDA1	336.1188256	1.300747547	0.169378831	7.679516601	1.5969E-14	4.22907E-12
ENSG00000099985.3	OSM	25.2166815	4.079543743	0.532213036	7.665245816	1.78489E-14	4.67716E-12
ENSG00000103257.4	SLC7A5	95.49125317	1.746416008	0.229334239	7.615156024	2.63373E-14	6.82959E-12
ENSG00000151388.6	ADAMTS12	55.01099116	1.579763392	0.207518847	7.612626097	2.68582E-14	6.89286E-12
ENSG00000168404.8	MLKL	211.8314237	0.924569294	0.122069173	7.574142339	3.61508E-14	9.18304E-1

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ENSG00000005102.8	MEOX1	33.49327256	1.485845033	0.199687712	7.440843606	1.00044E-13	2.14699E-11
ENSG00000203747.5	FCGR3A	144.6646232	2.742875256	0.369025014	7.432762424	1.06353E-13	2.26286E-11
ENSG00000166741.3	NNMT	128.911537	1.830170623	0.246342028	7.429388484	1.09101E-13	2.2995E-11
ENSG00000167755.9	KLK6	8.09058011	8.833408436	1.189140725	7.428396192	1.09922E-13	2.2995E-11
ENSG00000127954.8	STEAP4	130.7004374	1.794565748	0.241723782	7.424034701	1.13605E-13	2.35674E-11
ENSG00000143226.9	FCGR2A	327.4969244	1.877563915	0.253179262	7.4159467	1.20759E-13	2.48444E-11
ENSG00000049449.4	RCN1	370.3852907	0.826565052	0.111970168	7.382011355	1.55916E-13	3.18145E-11
ENSG00000140274.9	DUOXA2	195.4120558	4.911682659	0.666067378	7.374152857	1.65393E-13	3.3204E-11
ENSG00000185479.5	KRT6B	5.01354301	6.290327725	0.853008659	7.374283558	1.65231E-13	3.3204E-11
ENSG00000115956.9	PLEK	519.3975956	2.024523663	0.274784106	7.367688383	1.73612E-13	3.45752E-11
ENSG00000176697.14	BDNF	5.37621502	2.537748924	0.344524656	7.36594285	1.75899E-13	3.47527E-11
ENSG00000006075.11	CCL3	44.17238865	2.604495845	0.354062703	7.356029954	1.89461E-13	3.71372E-11
ENSG00000116701.10	NCF2	200.5316751	1.59200325	0.216568125	7.351050621	1.96655E-13	3.82463E-11
ENSG00000128595.12	CALU	968.6564057	0.882645635	0.120571983	7.320487	2.47073E-13	4.76793E-11
ENSG00000087510.5	TFAP2C	6.756049861	2.254792893	0.308104356	7.318276581	2.51176E-13	4.80982E-11
ENSG00000108821.9	COL1A1	1624.505284	1.867369666	0.255362114	7.312633956	2.61956E-13	4.97796E-11
ENSG00000112541.9	PDE10A	47.82481898	1.659002484	0.227101046	7.305129206	2.77E-13	5.22398E-11
ENSG00000182240.11	BACE2	674.9928005	1.217518528	0.166784733	7.299939908	2.87896E-13	5.38864E-11
ENSG00000152766.5	ANKRD22	141.4513441	1.871710747	0.256916438	7.28528997	3.20979E-13	5.96303E-11
ENSG00000163464.7	CXCR1	19.04505686	4.602921285	0.631921962	7.28400271	3.24058E-13	5.97564E-11
ENSG00000224397.1	RP11-290F20.3	6.480675807	3.090926466	0.424403557	7.282989074	3.26504E-13	5.97646E-11
ENSG00000118946.7	PCDH17	74.03842218	1.478697945	0.203292626	7.273741174	3.49666E-13	6.35371E-11
ENSG00000187116.9	LILRA5	35.37618112	2.376501669	0.326979485	7.268045179	3.64727E-13	6.57935E-11
ENSG0000011422.7	PLAUR	245.1181998	1.814683164	0.249725515	7.266711083	3.68345E-13	6.59683E-11
ENSG00000164379.4	FOXQ1	11.28541533	2.628460266	0.361774015	7.26547556	3.71728E-13	6.60986E-11
ENSG00000140937.9	CDH11	386.1408748	1.060531172	0.14613344	7.25727917	3.94954E-13	6.92393E-11
ENSG00000163032.7	VSNL1	24.92045337	2.229548615	0.307205328	7.25751936	3.94254E-13	6.92393E-11
ENSG00000248323.1	LUCAT1	9.651472176	4.332545499	0.597268066	7.25393796	4.04826E-13	7.04736E-11
ENSG00000213088.5	DARC	66.0373767	1.250144946	0.172490771	7.247604816	4.24206E-13	7.33346E-11
ENSG00000197405.3	C5AR1	44.38877021	1.978093518	0.273322656	7.237210224	4.58008E-13	7.80935E-11
ENSG00000211973.2	IGHV1-69	95.65221703	2.615860102	0.361412298	7.237883486	4.55741E-13	7.80935E-11
ENSG00000131746.8	TNSA	64.43130679	2.037563942	0.28184305	7.229427673	4.85034E-13	8.2139E-11
ENSG00000249992.1	TMEM158	14.60501072	2.39409042	0.331549554	7.220912803	5.16399E-13	8.68595E-11
ENSG00000259379.1	RP11-925D8.5	2.893994481	6.019922976	0.83482523	7.210997891	5.55433E-13	9.27983E-11
ENSG00000108691.5	CCL2	177.4341628	1.6536383	0.22950049	7.205380247	5.78821E-13	9.60611E-11
ENSG00000169248.8	CXCL11	191.6068537	4.317027847	0.5996252	7.199543729	6.04144E-13	9.95997E-11
ENSG00000029153.10	ARNTL2	172.3035346	1.340275533	0.186389975	7.190706127	6.44571E-13	1.05565E-10
ENSG00000166527.3	CLEC4D	7.352252223	3.721705753	0.518656788	7.175661896	7.19582E-13	1.1708E-10
ENSG00000131873.5	CHSY1	282.4380267	0.698685102	0.097395321	7.173702937	7.29959E-13	1.17997E-10
ENSG00000081041.8	CXCL2	47.33087649	2.205604249	0.307812332	7.165418736	7.75491E-13	1.24549E-10
ENSG00000140105.13	WARS	1923.480551	2.215376546	0.30976635	7.151766324	8.56683E-13	1.36707E-10
ENSG00000211893.3	IGHG2	2664.372238	3.41095035	0.477907499	7.137260569	9.52093E-13	1.50964E-10
ENSG00000065911.7	MTHFD2	446.993319	0.918391716	0.129026228	7.117868445	1.09609E-12	1.69479E-10
ENSG00000145860.7	RNF145	480.9784083	0.824743057	0.115855639	7.11871313	1.08939E-12	1.69479E-10
ENSG00000204262.7	COL5A2	988.7466096	1.220157719	0.171683198	7.107030453	1.18566E-12	1.82197E-10
ENSG00000133048.8	CH13L1	163.6675739	4.281401119	0.602728139	7.103370227	1.21751E-12	1.85942E-10
ENSG00000085063.10	CD59	1313.689468	0.737975928	0.10395844	7.098759177	1.25882E-12	1.9108E-10
ENSG00000164692.13	COL1A2	2795.267044	1.437300579	0.202826096	7.086369111	1.37676E-12	2.07716E-10
ENSG00000163734.4	CXCL3	53.13282633	2.450700498	0.345921366	7.084559488	1.39487E-12	2.09181E-10
ENSG00000050555.13	LAMC3	29.80132156	2.134217196	0.301740631	7.073018944	1.51599E-12	2.23949E-10
ENSG00000176170.9	SPHK1	24.70447894	1.621906239	0.230039395	7.050558634	1.78201E-12	2.59423E-10
ENSG00000215182.6	MUC5AC	9.037681075	5.531847023	0.784869918	7.048106819	1.81368E-12	2.62499E-10
ENSG00000151617.11	EDNRA	56.89588263	1.196684173	0.17014256	7.033420538	2.01531E-12	2.88328E-10
ENSG00000000938.8	FGFR	88.55736073	1.841390094	0.261951399	7.029510455	2.07259E-12	2.94829E-10
ENSG00000103494.8	RPGRIPL1	67.24699383	0.603377876	0.085872433	7.026444402	2.11863E-12	2.99666E-10
ENSG00000120708.12	TGFB1	1115.500938	0.936086157	0.133543419	7.009601535	2.38998E-12	3.34248E-10
ENSG00000124107.5	SLPI	121.2472365	1.972754369	0.281430965	7.00972747	2.38783E-12	3.34248E-10
ENSG00000100644.12	HIF1A	1852.453917	0.913436395	0.13033449	7.008401203	2.41057E-12	3.35244E-10
ENSG00000105835.7	NAMPT	1071.351722	1.491920365	0.213012002	7.003926299	2.48887E-12	3.44211E-10
ENSG00000173535.9	TNFRSF10C	47.57193358	2.194006806	0.313309053	7.002692032	2.5109E-12	3.45339E-10
ENSG00000122679.4	RAMP3	67.1550527	1.294565765	0.184909496	7.001077788	2.54001E-12	3.45524E-10
ENSG00000131203.8	IDO1	562.7049033	3.353568937	0.478966034	7.001684245	2.52904E-12	3.45524E-10
ENSG00000136859.5	ANGPTL2	167.0336209	1.335414848	0.19081282	6.998559361	2.58608E-12	3.49879E-10
ENSG00000112303.9	VNN2	87.19367224	2.066356024	0.29547443	6.993349718	2.68399E-12	3.61164E-10
ENSG00000115008.5	IL1A	9.011645911	3.532285794	0.506265984	6.977134361	3.01262E-12	4.03205E-10
ENSG00000229644.4	NAMPTL	619.8606962	1.49919013	0.215074823	6.970551515	3.15701E-12	4.18035E-10
ENSG00000135636.9	DYSF	139.7469698	1.571182596	0.225587553	6.964846147	3.28763E-12	4.33028E-10
ENSG00000211950.2	IGHV1-24	41.71448383	2.676656922	0.385418613	6.944804508	3.78985E-12	4.9395E-10
ENSG00000114251.9	WNT5A	281.7237515	1.426112863	0.205745307	6.931447836	4.16555E-12	5.4009E-10
ENSG00000131042.9	LILRB2	59.19760659	1.576751288	0.227721181	6.924043179	4.38932E-12	5.66154E-10
ENSG00000163563.7	MNDA	116.0636851	1.849238284	0.267454147	6.914225494	4.70426E-12	5.98628E-10
ENSG00000151948.7	GLT1D1	7.805073403	3.639407072	0.527359672	6.901185791	5.15702E-12	6.48378E-10
ENSG00000185499.12	MUC1	251.4910967	2.006590612	0.290886892	6.898181617	5.26724E-12	6.58908E-10
ENSG00000142748.8	FCN3	5.937962994	3.826908197	0.555266364	6.892022359	5.50047E-12	6.84644E-10
ENSG00000159339.9	PADI4	4.115445268	3.251179264	0.473713471	6.863176718	6.73458E-12	8.27504E-10
ENSG00000130508.6	PXDN	368.0210998	1.094883331	0.159559826	6.861898527	6.79513E-12	8.29206E-10
ENSG00000117394.15	SLC2A1	271.9914468	0.949260192	0.138372606	6.860174301	6.87766E-12	8.35183E-10
ENSG00000110080.14	ST3GAL4	300.4763347	1.161961267	0.169425515	6.858242481	6.97129E-12	8.42443E-10
ENSG00000136048.9	DRAM1	173.0869877	1.214688667	0.177603981	6.839309904	7.95756E-12	0.00000001
ENSG00000142089.11	IFITM3	495.2722163	1.390120043	0.203612376	6.827286596	8.65357E-12	0.00000001
ENSG00000050344.8	NFE2L3	238.3228265	0.861604594	0.126298092	6.821992151	8.97866E-12	1.06436E-09
ENSG00000113916.13	BCL6	156.3227696	1.469415628	0.215612287	6.815082983	9.42094E-12	1.1075E-09
ENSG00000166923.6	GREM1	859.2111335	2.575248436	0.377883847	6.814920654	9.43158E-12	1.1075E-09
ENSG00000164111.10	ANXA5	976.9164573	0.84451401	0.124105915	6.804784552	1.01201E-11	1.18276E-09
ENSG00000153395.5	LPCAT1	265.0057788	1.260939853	0.185576241	6.794726754	1.08518E-11	1.25649E-09
ENSG00000126262.4	FFAR2	67.03631129	2.291052052	0.337859188	6.781085535	1.19276E-11	1.36205E-09
ENSG00000144837.4	PLA1A	23.95454973	2.527011082	0.372626011	6.78162825	1.18829E-11	1.36205E-09
ENSG00000211962.2	IGHV1-46	67.37439617	2.312133841	0.340927841	6.781886264	1.18617E-11	1.36205E-09
ENSG00000112096.12	SOD2	4244.890592	1.23623886	0.182587137	6.770678817	1.2818E-11	1.45041E-09
ENSG00000168461.8	RAB31	335.1044181	1.076738519	0.159170787	6.76467423	1.33609E-11	1.50369E-09
ENSG00000106080.6	FKBP14	124.4741622	0.572576629	0.084682431	6.761457158	1.36611E-11	1.52312E-09
ENSG00000117385.11	LEPRE1	114.6586742	0.786059022	0.116263909	6.760989106	1.37053E-11	1.52312E-09
ENSG00000101294.12	HM13	366.7690154	0.612829559	0.090674893	6.758536335	1.39393E-11	1.54224E-09
ENSG00000129277.9	CCL4	46.62887782	2.114775527	0.313597879	6.743590014	1.5452E-11	1.68712E-09
ENSG00000211640.3	IGLV6-57	89.32458743	2.256051069	0.334754708	6.73941551	1.59025E-11	1.72872E-09
ENSG00000134013.11	LOXL2	140.4980783	1.345088961				

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ENSG00000182885.12	GPR97	32.63938607	1.968240634	0.297872158	6.607669027	3.90418E-11	3.87214E-09
ENSG00000164542.8	KIAA0895	36.84732191	1.228865712	0.186040228	6.605376282	3.96509E-11	3.90146E-09
ENSG00000159403.11	C1R	580.2292579	1.062802703	0.161143849	6.59536625	4.24207E-11	4.14126E-09
ENSG00000140379.7	BCL2A1	85.63261705	1.944152912	0.294973955	6.59093076	4.37078E-11	4.25024E-09
ENSG00000060558.3	GNA15	46.52063441	1.540734364	0.234164522	6.579708788	4.71371E-11	4.53062E-09
ENSG00000179776.13	CDH5	171.3981769	0.998228099	0.151810437	6.575490567	4.8493E-11	4.64302E-09
ENSG00000068366.15	ACSL4	652.3683099	1.178430852	0.179299546	6.57241404	4.9506E-11	4.72185E-09
ENSG00000103313.7	MEFV	52.56767846	2.050061128	0.311946944	6.571826294	4.97018E-11	4.72243E-09
ENSG00000143387.8	CTSK	322.0986016	1.347408712	0.205493266	6.556948258	5.49201E-11	5.1984E-09
ENSG00000006118.10	TMEM132A	50.55575273	1.454561121	0.221894116	6.555203672	5.5566E-11	5.23962E-09
ENSG00000187513.8	GJA4	16.46186613	1.478566395	0.225790248	6.548406812	5.81541E-11	5.44244E-09
ENSG00000163629.8	PTPN13	186.3014523	0.893643896	0.136492951	6.547179847	5.86337E-11	5.46677E-09
ENSG00000183615.5	FAM167B	9.67068863	1.530370252	0.234035254	6.539058644	6.19072E-11	5.75044E-09
ENSG00000100368.9	CSF2RB	437.6957195	1.482781022	0.226909984	6.53466628	6.37515E-11	5.89974E-09
ENSG00000145391.9	SETD7	638.115894	0.712930976	0.10913119	6.532788443	6.45563E-11	0.000000006
ENSG00000102794.5	IRG1	16.78051002	8.555119309	1.309709319	6.532074854	6.48647E-11	0.000000006
ENSG00000161638.6	ITGA5	355.4826776	1.267146508	0.194035356	6.53049288	6.55536E-11	0.000000006
ENSG00000117461.10	PIK3R3	235.2101464	0.926041317	0.142423658	6.502018917	7.92491E-11	7.2001E-09
ENSG00000162734.8	PEA15	325.4313835	0.70916085	0.109207463	6.493703185	8.37517E-11	7.58151E-09
ENSG00000170525.14	PFKFB3	310.9622919	1.378330273	0.212359674	6.4905462	8.55257E-11	7.71405E-09
ENSG0000017483.10	SLC38A5	93.24445215	1.000424402	0.15418776	6.488351606	8.67806E-11	7.79897E-09
ENSG00000184588.13	PDE4B	297.9494008	1.666697941	0.256910613	6.487462401	8.72941E-11	7.81691E-09
ENSG00000253686.1	CTB-43E15.3	2.968038076	3.724555692	0.574741989	6.480396013	9.14822E-11	8.13342E-09
ENSG00000113721.9	PDGFRB	380.6189612	0.968091391	0.149413266	6.479286741	9.21572E-11	8.16222E-09
ENSG00000173110.6	HSPA6	25.3377719	1.693660117	0.261416166	6.478788748	9.24618E-11	8.16222E-09
ENSG00000204577.7	LILRB3	8.569142577	2.447273696	0.377859347	6.476678987	9.37634E-11	8.21987E-09
ENSG00000223350.2	IGLV9-49	12.57196368	2.885390418	0.445729952	6.473404811	9.58188E-11	8.36952E-09
ENSG00000101194.13	SLC17A9	86.63246793	1.421395182	0.219783922	6.467239138	9.98096E-11	8.66145E-09
ENSG00000118785.9	SPP1	44.83357434	1.880388491	0.290759203	6.467167591	9.98569E-11	8.66145E-09
ENSG00000062038.9	CDH3	64.69553266	3.362240101	0.520552352	6.458985515	1.05407E-10	9.11113E-09
ENSG00000175592.4	FOSL1	7.584482381	3.430057384	0.531322465	6.455698014	1.07721E-10	9.27894E-09
ENSG00000122862.4	SRGN	918.6111069	1.335903013	0.206985664	6.454084734	1.08875E-10	9.34597E-09
ENSG00000108639.3	SYNGR2	655.1613539	0.458996344	0.071165405	6.449711715	1.12063E-10	9.58659E-09
ENSG00000172927.3	MYEOV	42.464411	2.700455516	0.418752201	6.448815094	1.12728E-10	9.61045E-09
ENSG00000182492.11	BGN	60.65137887	1.508349561	0.233957375	6.44711269	1.14001E-10	9.68581E-09
ENSG00000179431.5	FJX1	7.749013275	1.810664465	0.280986675	6.443951346	1.16402E-10	9.82279E-09
ENSG00000110347.7	MMP12	441.3558118	2.469096689	0.383455722	6.439065959	1.20211E-10	1.01099E-08
ENSG00000254087.3	LYN	483.4308607	0.791772061	0.123018831	6.43618589	1.22513E-10	1.02688E-08
ENSG00000211945.2	IGHV1-18	71.56946028	2.576019815	0.400314533	6.434989492	1.23482E-10	1.03153E-08
ENSG00000090376.4	IRAK3	228.9472252	1.148699045	0.178567849	6.432843607	1.25238E-10	1.0427E-08
ENSG00000214050.3	FBXO16	11.19096565	1.341235311	0.208745021	6.425232577	1.31668E-10	1.09258E-08
ENSG00000137462.6	TLR2	135.4828532	1.426375105	0.222284766	6.41688195	1.39094E-10	1.14604E-08
ENSG00000141756.14	FKBP10	135.2428546	0.968041923	0.150868839	6.416447079	1.39491E-10	1.14604E-08
ENSG00000249751.1	ECSCR	23.05941225	1.053526822	0.164218779	6.415385815	1.40467E-10	1.15026E-08
ENSG00000088882.7	CPXM1	32.75263884	2.100236807	0.327570401	6.411558559	1.44039E-10	1.1718E-08
ENSG00000166147.9	FBN1	1082.069551	1.051967612	0.1640692	6.411731226	1.43876E-10	1.1718E-08
ENSG00000059377.11	TBXAS1	175.8041224	0.846981864	0.132291517	6.402389851	1.52963E-10	1.24035E-08
ENSG00000118473.17	SGIP1	36.77703904	1.324196068	0.20690992	6.399867497	1.55512E-10	1.25692E-08
ENSG00000123838.6	CABPA	48.72907305	2.838153785	0.443658652	6.397156404	1.58297E-10	1.27529E-08
ENSG00000038427.11	VCAN	989.7986433	1.082138077	0.169265173	6.393152584	1.625E-10	0.000000013
ENSG00000136231.9	IGFBP3	16.79942456	2.727298843	0.426645525	6.392423418	1.63277E-10	0.000000013
ENSG00000154451.10	GBP5	637.193993	2.162048602	0.338236007	6.392130215	1.6359E-10	0.000000013
ENSG00000181458.6	TMEM45A	36.18045857	1.144565167	0.179143495	6.389097004	1.66868E-10	1.31042E-08
ENSG00000214455.3	RCN1P2	111.0298905	0.782323951	0.12243857	6.389522117	1.66405E-10	1.31042E-08
ENSG00000211953.2	IGHV3-30	118.7829448	2.568172079	0.402097045	6.38694591	1.69231E-10	1.32479E-08
ENSG00000057657.10	PRDM1	397.0207329	1.082173988	0.169522103	6.383674871	1.72888E-10	1.34918E-08
ENSG00000178726.6	THBD	74.72980266	1.083315975	0.169717282	6.383062237	1.73581E-10	1.35035E-08
ENSG00000149485.12	FADS1	104.5062986	1.16919213	0.183201968	6.381984543	1.74808E-10	1.35566E-08
ENSG00000221926.7	TRIM16	97.74357988	0.631621919	0.099046399	6.377030592	1.80554E-10	1.39155E-08
ENSG00000174473.11	GALNTL6	18.77199689	2.016037514	0.316259477	6.374631162	1.83404E-10	1.40915E-08
ENSG00000115590.9	IL1R2	226.3294419	1.94260469	0.304794261	6.373494963	1.84768E-10	1.41527E-08
ENSG00000156049.6	GNA14	66.46473026	0.797760412	0.125200784	6.371848367	1.86763E-10	1.42616E-08
ENSG00000041982.10	TNC	1060.970564	1.490152818	0.234030688	6.367339381	1.92335E-10	1.46422E-08
ENSG00000147697.4	GSDMC	2.967579049	3.140615526	0.495233586	6.341685247	2.27265E-10	1.71962E-08
ENSG00000251095.2	RP11-115D19.1	2.157259255	3.796998168	0.598928434	6.339652542	2.30284E-10	1.73718E-08
ENSG00000156219.12	ART3	7.183287202	2.417743127	0.381406691	6.339016032	2.31237E-10	1.7391E-08
ENSG00000137673.4	MMP7	58.72449386	4.451913464	0.702734575	6.335127971	2.37144E-10	1.77815E-08
ENSG00000169385.2	RNASE2	2.980305587	3.102818804	0.48989543	6.333581754	2.39534E-10	1.78532E-08
ENSG00000113140.6	SPARC	1950.963366	0.992452371	0.15678105	6.33018067	2.44874E-10	1.81841E-08
ENSG00000182752.8	PAPPA	111.771239	1.592142928	0.251530213	6.329827765	2.45435E-10	1.81841E-08
ENSG00000164761.4	TNFRSF11B	83.13955217	1.30265908	0.206291961	6.314638122	2.70794E-10	1.99442E-08
ENSG00000169035.7	KLK7	3.946796782	7.473979913	1.184483745	6.309905005	2.79207E-10	2.05032E-08
ENSG00000259671.1	RP11-925D8.6	1.750228262	6.312772921	1.000871313	6.30727731	2.83987E-10	2.07928E-08
ENSG00000067225.13	PKM	3236.249459	0.584266686	0.092943396	6.286263598	3.25198E-10	2.3602E-08
ENSG00000182022.13	CHST15	237.2771436	0.973382252	0.154862152	6.285475439	3.26852E-10	2.36531E-08
ENSG00000174705.7	SH3PXD2B	226.9630037	0.936855002	0.149340937	6.273263173	3.53559E-10	2.55116E-08
ENSG00000042062.7	FAM65C	57.44225673	1.146954055	0.183192277	6.260930169	3.82688E-10	2.75336E-08
ENSG00000171004.13	HS6ST2	12.29690501	1.607957382	0.256898583	6.25911348	3.87172E-10	2.7776E-08
ENSG00000071242.7	RPS6KA2	228.8371111	0.712426396	0.113927215	6.25334688	4.01748E-10	2.87389E-08
ENSG00000102096.9	PIM2	451.5889258	1.394836591	0.223113127	6.251701144	4.06006E-10	0.000000029
ENSG00000128052.8	KDR	267.7671669	0.838613839	0.134224309	6.247853644	4.16131E-10	2.95133E-08
ENSG00000091527.11	CDV3	1605.796886	0.501854823	0.080332603	6.247212253	4.17843E-10	2.95505E-08
ENSG00000125746.10	EML2	219.5385528	0.53721616	0.0860345	6.244194576	4.25989E-10	0.000000003
ENSG00000138448.7	ITGAV	1598.731651	0.497225517	0.079634618	6.24383625	4.26967E-10	0.000000003
ENSG00000108950.7	FAM20A	34.2259064	1.613280705	0.2583984	6.243385034	4.28201E-10	0.000000003
ENSG00000114999.7	TTL	275.9643726	0.507106563	0.081264417	6.240204262	4.37E-10	3.05581E-08
ENSG00000111145.3	ELK3	252.0970458	0.876635674	0.140497593	6.239506696	4.38953E-10	3.06087E-08
ENSG00000115919.10	KYNU	67.82827565	1.904747086	0.305405695	6.236776592	4.46679E-10	3.10604E-08
ENSG00000088826.13	SMOX	44.53409354	1.125295334	0.180475303	6.235176308	4.5127E-10	3.12922E-08
ENSG00000151929.5	BAG3	95.18149129	0.859658272	0.138164591	6.22198688	4.90898E-10	3.35726E-08
ENSG00000167207.7	NOD2	35.24913727	1.130545405	0.182405053	6.197993911	5.71874E-10	3.88968E-08
ENSG00000109511.6	ANXA10	6.73075415	4.865734247	0.785455565	6.194792504	5.83619E-10	3.95875E-08
ENSG00000177674.11	AGTRAP	74.8693573	0.805274409	0.130069833	6.191092817	5.97485E-10	4.04179E-08
ENSG00000140511.7	HAPLN3	68.75562665	1.961638673	0.316957024	6.188973654	6.05572E-10	4.0854E-08
ENSG00000106348.12	IMPDH1	149.3780393	0.80964396	0.130947051	6.182987364	6.28998E-10	4.23196E-08
ENSG00000239998.1	LILRA2	8.927789458					

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ENSG00000128512.15	DOCK4	221.6133463	0.860057411	0.140867287	6.10544457	0.000000001	6.57734E-08
ENSG00000115902.6	SLC1A4	264.7138588	0.684427796	0.11213096	6.103825349	0.000000001	6.61028E-08
ENSG00000251230.1	RP11-701P16.5	2.664931989	5.184601782	0.849365953	6.104084773	0.000000001	6.61028E-08
ENSG00000166033.7	HTRA1	137.2940526	0.985082762	0.161403426	6.103233307	0.000000001	6.61785E-08
ENSG00000185291.6	IL3RA	49.55453488	1.340283321	0.22001397	6.091810093	1.11641E-09	7.07174E-08
ENSG00000113749.5	HRH2	13.70021543	1.509959147	0.248125464	6.085466286	1.16153E-09	7.33885E-08
ENSG00000211653.2	IGLV1-40	140.2534491	1.983058906	0.325958771	6.083772184	1.17387E-09	7.3794E-08
ENSG00000137393.8	RNF144B	144.3956937	0.983043692	0.161778891	6.076464533	1.22861E-09	7.68469E-08
ENSG00000093134.9	VNN3	4.225289423	3.204370759	0.527414926	6.07561637	1.23512E-09	7.70606E-08
ENSG00000120254.11	MTHFD1L	67.93522496	0.793621941	0.130853701	6.064956037	1.3199E-09	8.21438E-08
ENSG00000149380.7	P4HA3	3.530355956	2.30142071	0.379775538	6.059949841	1.36164E-09	8.45303E-08
ENSG00000105388.10	CEACAM5	15719.97498	1.334448892	0.220296105	6.05752376	1.38233E-09	8.56013E-08
ENSG00000169403.7	PTAFR	196.2612917	1.157704146	0.191136362	6.05695398	1.38723E-09	8.56917E-08
ENSG00000166780.6	C16orf45	48.26154482	0.866010358	0.143040524	6.054300801	1.41029E-09	8.66857E-08
ENSG00000180509.7	KCNE1	5.777925753	2.304610172	0.38073832	6.053002942	1.4217E-09	8.71721E-08
ENSG00000123405.9	NFE2	9.575743549	2.689174908	0.444860093	6.044990209	1.49419E-09	9.09447E-08
ENSG00000162174.8	ASRGL1	143.4273478	1.05611225	0.174743851	6.043773469	1.50551E-09	9.14101E-08
ENSG00000186431.14	FCAR	8.471987914	4.056574957	0.671762298	6.03870591	1.55355E-09	9.40976E-08
ENSG00000182871.10	COL18A1	705.2379309	1.253986405	0.207735958	6.036443658	1.57548E-09	9.5194E-08
ENSG00000128965.7	CHAC1	17.77060753	1.613031189	0.267256643	6.035513924	1.58458E-09	9.55119E-08
ENSG00000166401.9	SERPINB8	115.7662606	0.809236479	0.1343379	6.02388813	1.70276E-09	1.01166E-07
ENSG00000174007.7	CEP19	16.54354897	0.869455185	0.144327513	6.024181845	1.69967E-09	1.01166E-07
ENSG00000154598.5	FOXO3	7.268750309	1.37548718	0.228528193	6.01889493	1.75612E-09	1.03632E-07
ENSG00000113739.6	STC2	9.201360248	1.893314141	0.314564846	6.018835744	1.75676E-09	1.03632E-07
ENSG00000100219.12	XBP1	3063.687804	0.82963985	0.138075227	6.008607558	1.87123E-09	1.09765E-07
ENSG00000148344.10	PTGES	17.15354064	1.383634368	0.230453201	6.003971153	1.92549E-09	1.12256E-07
ENSG00000133107.10	TRPC4	10.4827146	1.536405521	0.256186166	5.997222812	0.000000002	1.16474E-07
ENSG00000166073.4	GPR176	54.92741838	1.160238363	0.193476526	5.996791378	0.000000002	1.16512E-07
ENSG00000116649.5	SRM	71.62338806	0.761044282	0.126936735	5.995461305	0.000000002	1.17197E-07
ENSG00000244437.1	IGKV3-15	215.126614	2.158119142	0.360079432	5.993452976	2.05432E-09	1.1838E-07
ENSG00000166986.8	MARS	475.1634594	0.480203445	0.080174959	5.989444258	2.10559E-09	1.21055E-07
ENSG00000162618.8	ELTD1	109.2238872	0.949767493	0.158981369	5.974080462	2.31392E-09	1.31513E-07
ENSG00000174807.3	CD248	33.36185332	1.180368345	0.197597	5.973614701	2.32053E-09	1.31589E-07
ENSG00000059804.11	SLC2A3	257.9824807	1.582537087	0.265366902	5.963581281	2.46769E-09	1.38669E-07
ENSG00000179241.8	LDLRAD3	37.12500902	0.874111317	0.146616454	5.961890998	2.49335E-09	1.39796E-07
ENSG00000173894.6	CBX2	11.77353966	1.406243481	0.235966258	5.959510882	2.52994E-09	1.41529E-07
ENSG00000123342.11	MMP19	64.25773298	1.355262016	0.227508365	5.95697665	2.56947E-09	1.43097E-07
ENSG00000146374.9	RSP30	34.39675642	1.618246591	0.271721761	5.955528139	2.59233E-09	0.000000144
ENSG000000069122.14	GPR116	199.5954386	0.800020526	0.134360601	5.954279159	2.61221E-09	1.44187E-07
ENSG00000166123.9	GPT2	128.6190186	0.974999839	0.163730143	5.954919609	2.602E-09	1.44187E-07
ENSG00000231475.2	IGHV4-31	31.06308798	2.761852675	0.463830921	5.954438459	2.60966E-09	1.44187E-07
ENSG00000130775.11	THEMIS2	226.8456053	1.090850066	0.18324987	5.952801314	2.63591E-09	1.44853E-07
ENSG00000250771.2	RP11-153M7.3	4.005542033	3.125708573	0.525207983	5.95137293	2.65902E-09	1.45801E-07
ENSG00000155660.6	PDI4A	2091.346677	0.797267184	0.134052491	5.947425354	2.72393E-09	1.48705E-07
ENSG00000157227.8	MMP14	784.0462844	0.840109258	0.141266746	5.946971119	2.7315E-09	1.48792E-07
ENSG00000100453.8	GZMB	43.01829994	2.719660696	0.457437037	5.945431773	2.75729E-09	1.49869E-07
ENSG00000120217.9	CD274	134.7814901	1.639984356	0.276231169	5.936999658	2.90285E-09	1.57437E-07
ENSG00000205403.8	CFI	306.6909151	1.595970004	0.269133222	5.930037137	0.000000003	1.6249E-07
ENSG00000112414.10	GPR126	586.3398773	0.947874818	0.159889621	5.928307355	3.06073E-09	1.63858E-07
ENSG00000249138.1	RP11-701P16.1	2.320686306	3.311266026	0.558958122	5.923996617	3.1421E-09	1.67493E-07
ENSG00000119729.6	RHOQ	219.4163463	0.797706549	0.134739439	5.920364189	3.21229E-09	1.70869E-07
ENSG00000211658.2	IGLV3-27	17.99579583	2.287040515	0.386953815	5.91037076	3.41339E-09	0.00000018
ENSG00000163453.7	IGFBP7	873.7154396	0.823511139	0.139396648	5.907682508	3.46954E-09	1.82217E-07
ENSG00000196396.5	PTPN11	453.2964196	0.564263588	0.095555618	5.905080192	3.52475E-09	1.84727E-07
ENSG00000101825.7	MXRA5	880.3852086	1.061385925	0.179879545	5.900537072	3.6232E-09	0.000000189
ENSG00000117016.5	RIMS3	180.545479	0.700975677	0.118804815	5.900229538	3.62996E-09	0.000000189
ENSG00000134668.8	SPOCD1	8.78077453	1.683754357	0.285473315	5.898114715	3.67678E-09	1.91085E-07
ENSG00000128422.11	KRT17	4.31646303	3.915455911	0.664531121	5.892058008	3.81415E-09	1.96177E-07
ENSG00000147113.12	CXorf36	62.68724144	0.871104793	0.147819986	5.893010944	3.79221E-09	1.96177E-07
ENSG00000211648.2	IGLV1-47	69.62217229	1.97604874	0.335347312	5.89254385	3.80295E-09	1.96177E-07
ENSG00000164691.12	TAGAP	256.9844029	1.474868335	0.250423486	5.889496858	3.87373E-09	1.9883E-07
ENSG00000124216.3	SNAI1	5.775264865	1.821172699	0.309261313	5.8887828	3.8905E-09	1.9928E-07
ENSG00000172965.10	MIR4435-1HG	55.36668258	1.117140966	0.18978554	5.88633343	3.94857E-09	2.01839E-07
ENSG00000122870.7	BICC1	118.2427	0.783774373	0.133668511	5.863567783	4.53026E-09	2.29687E-07
ENSG00000106236.3	NPTX2	34.62350293	1.905260463	0.325006156	5.862228843	4.56695E-09	2.31077E-07
ENSG00000106991.9	ENG	206.3079712	0.921118135	0.157375875	5.852981818	4.82837E-09	2.41846E-07
ENSG00000162892.11	IL24	4.39849606	7.06486646	1.20714562	5.852538701	4.84126E-09	0.000000242
ENSG00000100097.7	LGALS1	343.3280544	0.825445863	0.141073963	5.851156716	4.88166E-09	0.000000243
ENSG00000250548.2	RP11-47I22.2	2.973957147	2.590846397	0.44278383	5.85126697	4.87842E-09	0.000000243
ENSG00000145040.3	UCN2	2.564284929	4.351103077	0.744100595	5.847466201	0.000000005	2.47318E-07
ENSG00000113016.10	EHD3	71.81048396	1.118612436	0.191401317	5.844329883	5.08611E-09	2.5023E-07
ENSG00000150457.7	LATS2	114.8853898	0.706638481	0.120910169	5.844326297	5.08622E-09	2.5023E-07
ENSG00000163823.3	CCR1	135.5479947	1.194319602	0.204714511	5.834073987	5.40901E-09	0.000000264
ENSG00000200972.1	RNU5A-8P	0.92303851	3.7419151	0.641928799	5.829174678	5.57022E-09	2.70302E-07
ENSG00000117152.9	RGS4	15.44585864	1.610691386	0.276383305	5.827744869	5.61814E-09	2.72097E-07
ENSG00000138119.12	MYOF	943.4457476	0.975759392	0.167565484	5.823152641	5.77478E-09	0.000000277
ENSG00000184489.7	PTP4A3	48.34160248	1.22541914	0.2104787	5.822057731	5.81275E-09	2.78274E-07
ENSG00000196083.5	ILIRAP	102.7936703	0.725884172	0.124688041	5.821602186	5.82862E-09	2.78498E-07
ENSG00000170866.7	LILRA3	10.29023079	3.155558902	0.542402204	5.817747198	0.000000006	2.8445E-07
ENSG00000088836.8	SLC4A11	4.484280875	2.008813767	0.345681439	5.81117047	6.20376E-09	2.93605E-07
ENSG00000158869.6	FECR1G	165.0566238	1.25791677	0.216454849	5.811451109	6.19336E-09	2.93605E-07
ENSG00000166394.10	CYB5R2	28.33302306	0.730310767	0.125663762	5.811625828	6.1869E-09	2.93605E-07
ENSG00000110880.6	CORO1C	730.8664307	0.455599396	0.078421485	5.80962473	6.2613E-09	2.95766E-07
ENSG00000158023.5	WDR6	9.421238905	1.18210652	0.203597047	5.806108383	6.39416E-09	3.009E-07
ENSG00000211673.2	IGLV3-1	311.9714219	2.202863717	0.37948206	5.804921894	6.4396E-09	3.02467E-07
ENSG00000129450.4	SIGLEC9	23.47765416	1.234858976	0.212883588	5.800630222	6.60661E-09	3.09727E-07
ENSG00000108960.3	MMD	170.1917322	0.582805419	0.100616256	5.792358433	6.94048E-09	3.23551E-07
ENSG00000211651.2	IGLV1-44	108.2521687	1.866394602	0.32229587	5.790935528	0.000000007	3.25087E-07
ENSG00000148346.7	LCN2	1322.232465	2.597674185	0.448796163	5.788093565	7.11898E-09	0.00000033
ENSG00000243466.1	IGKV1-5	483.643235	1.844950363	0.318884389	5.785640267	7.22367E-09	3.32395E-07
ENSG00000138028.10	CGREF1	35.45008578	1.609129098	0.278195683	5.784162721	7.28744E-09	3.34711E-07
ENSG00000211966.2	IGHV5-51	175.376285	1.699537862	0.294034017	5.780072258	7.46685E-09	3.41691E-07
ENSG00000158669.7	AGPAT6	421.304437	0.23407055	0.040524059	5.776088532	7.64572E-09	3.47392E-07
ENSG00000203499.6	FAM83H-AS1	50.81014872	0.985024008	0.170534932	5.776083496	7.64594E-09	3.47392E-07
ENSG00000211955.2	IGHV3-33	74.17342604	2.26860289	0.392759955	5.776054468	7.64726E-09	3.47392E-07
ENSG00000166396.8	SERPINB7	10.27777106	5.551742911	0.961554206	5.773718089	7.75411E-09	0.000000351
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ENSG00000129657.10	SEC14L1	383.6377353	0.677476396	0.118236447	5.729843991	1.00523E-08	0.000000436
ENSG00000102024.13	PLS3	440.7529465	0.828528303	0.144628121	5.728680557	1.01215E-08	4.38198E-07
ENSG00000270172.1	RP5-1024G6.8	11.02168515	1.578043238	0.275789518	5.721911593	1.05332E-08	4.52874E-07
ENSG00000143479.11	DYRK3	25.42928038	0.959917508	0.167828381	5.719637538	1.06752E-08	4.58185E-07
ENSG00000136869.13	TLR4	471.1403844	0.847606886	0.148232353	5.718096408	1.07724E-08	4.61563E-07
ENSG00000114378.12	HYAL1	49.13987556	1.240121641	0.216986409	5.715204216	0.000000011	4.66073E-07
ENSG00000196189.8	SEMA4A	96.43985021	1.119457402	0.195866912	5.715398227	1.09447E-08	4.66073E-07
ENSG00000065308.4	TRAM2	713.3274252	0.43114305	0.075464145	5.713217207	1.1086E-08	4.69345E-07
ENSG00000259772.2	RP11-16E12.2	8.816400617	1.434793375	0.251295153	5.7095943	1.13246E-08	0.000000477
ENSG00000165886.4	UBTD1	11.47812406	1.1054855	0.193668433	5.708134697	1.14221E-08	4.80307E-07
ENSG00000087303.12	NID2	143.7828669	0.927257857	0.162468288	5.707315988	1.14772E-08	4.81808E-07
ENSG00000068001.9	HYAL2	179.6195257	0.728538142	0.127698132	5.705158976	1.16235E-08	4.86146E-07
ENSG00000099260.6	PALMD	40.06591606	1.030781953	0.180682653	5.704930348	1.16391E-08	4.86146E-07
ENSG00000211949.2	IGHV3-23	687.3440035	1.924246522	0.337481593	5.701782147	1.18561E-08	4.93556E-07
ENSG00000185215.4	TNFAIP2	599.9797829	1.184541001	0.20807609	5.69282612	1.24954E-08	5.19298E-07
ENSG00000111799.16	COL12A1	1228.641165	1.193138908	0.209649843	5.691103281	1.26221E-08	5.23691E-07
ENSG00000166523.3	CLEC4E	19.07055112	2.960736981	0.520302216	5.690417779	1.26729E-08	5.24923E-07
ENSG00000172716.12	SLFN11	282.3569166	0.845023658	0.148551516	5.688421626	1.28219E-08	5.30213E-07
ENSG00000130309.6	COLGALT1	478.9766471	0.38073852	0.067018875	5.681064064	1.33859E-08	5.51473E-07
ENSG00000132205.6	EMILIN2	148.9651875	0.888413734	0.156640699	5.671666038	1.41415E-08	0.000000579
ENSG00000169245.4	CXCL10	311.5313931	2.758823557	0.486553972	5.670128533	1.4269E-08	5.83273E-07
ENSG00000268734.1	CTB-61M7.2	1.525687256	5.222914594	0.9215491	5.667538053	1.44864E-08	5.89255E-07
ENSG00000150337.9	FCGR1A	22.13050088	2.329111197	0.411028479	5.666544569	1.45706E-08	5.9022E-07
ENSG00000224373.2	IGHV4-59	44.66646722	2.001681251	0.353270637	5.666141022	1.46049E-08	5.9022E-07
ENSG00000111335.8	OAS2	328.2657909	1.331111901	0.234976119	5.664881638	1.47126E-08	5.92902E-07
ENSG00000211660.3	IGLV2-23	227.8186565	1.857967938	0.327984292	5.664807684	1.4719E-08	5.92902E-07
ENSG00000115758.8	ODC1	811.9930992	0.727228513	0.128448937	5.661615678	0.000000015	6.02325E-07
ENSG00000128203.6	ASPHD2	65.91821558	0.922365218	0.163035977	5.657433636	1.53653E-08	0.000000613
ENSG00000089723.5	OTUB2	26.16939413	1.1362738	0.201183075	5.647959209	1.62364E-08	6.44638E-07
ENSG00000260528.2	FAM157C	8.112021469	1.972268517	0.349414002	5.644503389	1.65659E-08	6.54589E-07
ENSG00000205420.6	KRT6A	2.858043255	7.434952778	1.317445263	5.64346238	1.66664E-08	6.57065E-07
ENSG00000143333.6	RGS16	27.62848218	1.560564771	0.276641242	5.641113961	1.68953E-08	6.64444E-07
ENSG00000211959.2	IGHV4-39	247.9505267	2.167943742	0.384580994	5.637157783	1.7288E-08	6.75615E-07
ENSG00000113083.8	LOX	84.65933854	0.921737056	0.163605018	5.633916795	1.76162E-08	6.87363E-07
ENSG00000116132.7	PRRX1	79.58922053	1.960961239	0.348112489	5.63312522	1.76973E-08	6.89446E-07
ENSG00000115170.9	ACVR1	141.7236203	0.464612683	0.082541689	5.628824521	1.81442E-08	7.03554E-07
ENSG00000112319.13	EYA4	2.25369615	2.38418152	0.423803835	5.62567236	1.84787E-08	0.000000711
ENSG00000101842.9	VSIG1	8.394163326	1.847850836	0.328547264	5.624307478	1.86254E-08	7.14422E-07
ENSG00000122711.4	SPINK4	1956.951506	2.243004373	0.398855753	5.623597895	1.87021E-08	7.16261E-07
ENSG00000104974.6	LILRA1	14.39836444	1.678447764	0.298523411	5.622499617	1.88214E-08	7.18619E-07
ENSG00000114013.11	CD86	117.7095095	0.882459125	0.1570496	5.61898358	1.92084E-08	7.28924E-07
ENSG00000166557.8	TMED3	324.8785421	0.556097642	0.098966275	5.619062084	1.91997E-08	7.28924E-07
ENSG00000175489.9	LRRC25	55.1108543	0.931709816	0.165814122	5.6190016	1.92064E-08	7.28924E-07
ENSG00000135631.11	RAB11FIP5	108.6627498	0.662363976	0.117890588	5.618463578	1.92663E-08	0.000000073
ENSG00000173391.4	OLR1	9.493314805	1.810769974	0.322315936	5.617997042	1.93184E-08	7.30869E-07
ENSG00000204291.6	COL15A1	553.9601498	0.954369478	0.170103611	5.610518629	2.01721E-08	7.58557E-07
ENSG00000106105.9	GARS	479.2388953	0.552682058	0.098516853	5.610025523	2.02297E-08	7.59574E-07
ENSG00000107968.5	MAP3K8	109.9545858	0.803801986	0.143293701	5.609471871	2.02945E-08	7.6086E-07
ENSG00000092929.7	UNC13D	226.0871269	1.166961846	0.208155575	5.606195595	2.06822E-08	7.73068E-07
ENSG00000177409.7	SAMD9L	999.5923409	1.137421466	0.203279234	5.595364788	0.000000022	8.19226E-07
ENSG00000244575.1	IGKV1-27	66.76169582	1.932431441	0.345431658	5.594251115	2.21576E-08	8.23271E-07
ENSG00000159399.5	HK2	1377.802025	1.099526957	0.196698306	5.58991575	2.2718E-08	8.41579E-07
ENSG00000211666.2	IGLV2-14	739.9061509	1.826753265	0.326833867	5.589241045	2.28064E-08	8.42349E-07
ENSG00000182326.10	C1S	1572.093771	0.871540026	0.155973901	5.587729888	0.000000023	8.47195E-07
ENSG00000211939.2	IGHV1-8	51.69176879	2.676578635	0.479009572	5.587735173	0.000000023	8.47195E-07
ENSG00000140932.5	CMTM2	3.431596429	3.284550209	0.588105856	5.584964295	2.33748E-08	0.000000857
ENSG00000138772.8	ANXA3	265.8545856	1.029945281	0.184470333	5.583257005	2.36056E-08	8.62902E-07
ENSG00000211976.2	IGHV3-73	62.92866065	2.016777733	0.361218724	5.583259111	2.36053E-08	8.62902E-07
ENSG00000157168.14	NRG1	123.2521105	1.081564339	0.194122483	5.571556285	2.52474E-08	9.1753E-07
ENSG00000185947.10	ZNF267	357.7886167	0.597805287	0.107369856	5.56771995	2.58094E-08	9.36588E-07
ENSG00000165507.8	C10orf10	91.84945393	0.845843142	0.151928258	5.567385254	2.5859E-08	0.000000937
ENSG00000170956.12	CEACAM3	13.28328719	1.927136124	0.346476844	5.562092117	2.6656E-08	9.44496E-07
ENSG00000168140.4	VASN	33.35914717	1.28786435	0.23165935	5.559302272	2.70855E-08	9.77199E-07
ENSG00000211947.2	IGHV3-21	219.2762242	1.881223594	0.338556989	5.556593593	2.7509E-08	0.00000099
ENSG00000150977.9	RILPL2	57.82308315	0.842553245	0.151696073	5.554219233	2.78855E-08	9.99426E-07
ENSG00000170476.11	MZB1	320.4086346	1.413349327	0.254457378	5.554365689	2.78622E-08	9.99426E-07
ENSG00000100625.8	SIX4	6.816723693	1.280305025	0.230596262	5.552149948	2.82177E-08	1.00638E-06
ENSG00000186832.4	KRT16	1.094885653	6.128722125	1.104642472	5.548149995	2.88708E-08	1.02526E-06
ENSG00000124102.4	PI3	336.4528804	2.46259691	0.444256858	5.543182662	2.97023E-08	1.05179E-06
ENSG00000105707.9	HPN	4.871870341	1.804665053	0.325668126	5.541423635	0.000000003	1.05991E-06
ENSG00000095319.10	NUP188	325.3285577	0.418250905	0.075553356	5.535834881	0.000000031	1.09065E-06
ENSG00000167123.14	CERCAM	70.47389203	0.85927474	0.155259039	5.534458687	3.12191E-08	1.0977E-06
ENSG00000135604.9	STX11	45.87084524	1.353635749	0.244700704	5.531801613	3.16958E-08	1.10664E-06
ENSG00000171241.4	SHCBP1	58.32326677	0.971706236	0.175643153	5.532275058	3.16104E-08	1.10664E-06
ENSG00000169247.7	SH3TC2	26.05063731	1.148343682	0.207614421	5.531136406	3.18163E-08	1.10929E-06
ENSG00000086300.11	SNX10	174.26022	1.476812536	0.267131541	5.528409449	3.23147E-08	1.12509E-06
ENSG00000135821.2	GLUL	2660.019452	0.69686332	0.126076814	5.527291626	3.25212E-08	1.12913E-06
ENSG00000144802.7	NFKBIZ	747.9351423	0.88838841	0.160869029	5.522432851	3.34338E-08	1.15919E-06
ENSG00000169902.9	TPST1	60.88397801	0.953406636	0.172656936	5.521971243	3.35217E-08	1.16063E-06
ENSG00000104783.7	CKCNA	118.739844	0.985131831	0.178474023	5.51974912	3.39484E-08	1.17377E-06
ENSG00000211659.2	IGLV3-25	58.40934026	1.854095707	0.336394275	5.511674376	3.55436E-08	1.22382E-06
ENSG00000226197.2	RP11-536O18.1	1.242306721	2.344037042	0.4253525	5.510810537	3.57185E-08	1.22814E-06
ENSG00000130600.11	H19	34.57941195	1.884315756	0.342036912	5.509100605	3.60672E-08	1.23842E-06
ENSG00000167645.12	YIF1B	94.14351936	0.627137426	0.113966018	5.502845803	3.73709E-08	1.2779E-06
ENSG00000139329.4	LUM	1901.328767	1.078467996	0.196112809	5.499222632	3.81469E-08	1.29863E-06
ENSG00000134757.4	DSG3	69.43552701	2.607117815	0.474177888	5.498185129	3.8372E-08	1.30318E-06
ENSG00000134871.13	COL4A2	1682.182802	1.002038835	0.182305458	5.496482909	3.87441E-08	0.000001314
ENSG00000088992.13	TESC	23.43338681	1.360220165	0.247909524	5.486760436	4.09372E-08	1.38652E-06
ENSG00000145423.4	SFRP2	24.79400331	2.975261508	0.542307625	5.486298494	0.000000041	1.38826E-06
ENSG00000237172.3	B3GNT9	58.86228363	0.758592404	0.138276547	5.486052563	4.11015E-08	1.3883E-06
ENSG00000084652.11	TXLNA	668.4273302	0.32220248	0.058749015	5.484389495	4.149E-08	1.39953E-06
ENSG00000211892.2	IGHG4	562.4266754	2.504760421	0.45673948	5.484002432	4.15809E-08	1.4007E-06
ENSG00000235568.2	NFAM1	83.66076026	1.145928885	0.208984978	5.483307441	4.17447E-08	1.40431E-06
ENSG00000213846.3	AC098614.2	112.4734807	0.603104337	0.109999381	5.482797537	4.18652E-08	1.40457E-06
ENSG00000211644.2	IGLV1-51	285.282834	1.723417195	0.314373455	5.482069714	0.000000042	1.40847E-06
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ENSG00000075420.8	FNDC3B	1307.844883	0.558439287	0.102747281	5.435076088	5.47731E-08	1.75938E-06
ENSG000000211663.2	IGLV3-19	353.7923535	1.854095152	0.341328943	5.431989258	5.57293E-08	1.78549E-06
ENSG00000146592.12	CREB5	54.72800014	1.273425372	0.234703432	5.425678525	5.77348E-08	1.83792E-06
ENSG00000135862.5	LAMC1	1126.092833	0.70295026	0.129574653	5.425059933	5.79351E-08	1.84194E-06
ENSG00000104369.4	JPH1	76.96727892	0.784582135	0.14463499	5.4245666	5.80953E-08	1.84467E-06
ENSG00000111817.12	DSE	334.0305733	0.761126395	0.140324106	5.424060175	5.82603E-08	1.84756E-06
ENSG00000133687.11	TMTC1	223.1200612	0.830222187	0.153173528	5.420141432	5.95519E-08	1.88133E-06
ENSG00000267107.2	AC011526.1	18.80132717	0.995178209	0.183660665	5.418570205	6.00775E-08	1.89553E-06
ENSG00000101187.11	SLCO4A1	53.63338715	1.130624681	0.208715537	5.417060462	6.05869E-08	1.90918E-06
ENSG00000184164.10	CRELD2	215.437229	0.842116697	0.155472897	5.416485545	6.07819E-08	1.9129E-06
ENSG00000076706.10	MCAM	261.1252866	0.876317042	0.161963944	5.410568669	6.28249E-08	1.97221E-06
ENSG00000054938.11	CHRD12	6.583751391	3.087631742	0.570810417	5.409207073	6.33044E-08	1.98476E-06
ENSG000000072110.9	ACTN1	697.9122069	0.683495176	0.126390958	5.407785389	6.38088E-08	1.99806E-06
ENSG00000170801.5	HTRA3	55.07270729	1.283715883	0.237457213	5.406093448	6.44142E-08	2.01448E-06
ENSG00000183722.7	LHFP	103.0398967	0.753653502	0.139566333	5.399966358	6.66534E-08	2.07929E-06
ENSG00000108001.9	EBF3	4.417553316	2.733285507	0.506188654	5.39973681	6.67387E-08	2.07934E-06
ENSG00000184014.3	DENND5A	252.5607891	0.790444229	0.146558985	5.393352226	6.91552E-08	2.13592E-06
ENSG00000157554.14	ERG	76.53604933	0.652111914	0.120940682	5.391997994	6.96785E-08	2.14941E-06
ENSG00000131477.6	RAMP2	31.45989577	0.764348169	0.14178176	5.391019067	7.00592E-08	2.15848E-06
ENSG00000108641.10	B9D1	21.50836557	0.840409135	0.156035714	5.386005003	0.000000072	2.21406E-06
ENSG00000066056.9	TIE1	79.16043873	0.743170826	0.138116079	5.380769782	7.4168E-08	0.000002271
ENSG00000188897.4	CTD-3088G3.8	16.76007018	1.418820283	0.263976517	5.374797345	7.66689E-08	2.3361E-06
ENSG00000134317.13	GRHL1	20.99806695	1.323746496	0.246349253	5.373454479	7.72423E-08	2.3507E-06
ENSG00000070081.11	NUCB2	456.952399	0.708732978	0.131946727	5.371357004	7.81463E-08	2.3753E-06
ENSG00000032389.8	TSSC1	143.3693329	0.399632451	0.074453399	5.36755149	7.98127E-08	2.4171E-06
ENSG00000181104.6	F2R	351.4899131	0.762534032	0.142063074	5.367573778	7.98029E-08	2.4171E-06
ENSG00000138356.9	AOX1	29.39679508	1.47597565	0.275598619	5.355526285	8.53077E-08	2.5648E-06
ENSG00000026508.12	CD44	1751.723785	0.728371989	0.136134412	5.350388481	8.77656E-08	2.63551E-06
ENSG00000211934.2	IGHV1-2	180.430431	2.12329038	0.397050135	5.347663156	8.90971E-08	2.67227E-06
ENSG00000116962.10	NID1	712.1726289	0.814912095	0.15242511	5.346311348	8.97647E-08	2.68645E-06
ENSG00000135363.7	LMO2	72.05908192	0.704872005	0.131843728	5.346268778	8.97859E-08	2.68645E-06
ENSG00000147408.10	CSGALNACT1	48.11656956	1.108838495	0.207439088	5.345369114	9.0233E-08	2.69336E-06
ENSG00000239951.1	IGKV3-20	1086.776104	1.6898194305	0.316198296	5.344160059	9.08373E-08	2.70815E-06
ENSG00000114450.5	GNB4	202.484094	0.660774044	0.123664378	5.343285212	9.1277E-08	0.000002718
ENSG00000127507.13	EMR2	97.3548478	1.226664978	0.229594276	5.342750688	9.15466E-08	2.72277E-06
ENSG00000159216.14	RUNX1	303.1602139	0.612603102	0.114767045	5.33779624	9.40831E-08	2.79154E-06
ENSG00000184838.10	PRR16	22.51309734	1.217722153	0.228148737	5.337404742	9.42864E-08	2.79425E-06
ENSG00000211942.2	IGHV3-13	37.94026939	2.322189877	0.435593842	5.331089771	9.76251E-08	2.88289E-06
ENSG00000126709.10	IFI6	270.4614333	1.411455831	0.264826006	5.329747822	9.83492E-08	2.90084E-06
ENSG00000188343.8	FAM92A1	34.9121246	0.671708996	0.126101561	5.326730214	0.0000001	2.94245E-06
ENSG00000104490.13	NCALD	106.6407932	0.750113028	0.140921663	5.322907869	1.02121E-07	2.99436E-06
ENSG00000152049.5	KCNE4	24.00454764	0.972877113	0.182835404	5.321054293	1.03168E-07	3.02148E-06
ENSG00000100629.12	CEP128	110.8589866	0.812292571	0.152662815	5.32082793	1.03296E-07	3.02168E-06
ENSG00000113319.7	RASGRF2	118.2988281	0.602356901	0.113274735	5.317663297	1.05108E-07	3.06749E-06
ENSG00000253276.1	CCDC71L	256.5440706	0.635920857	0.119642319	5.315183304	1.0655E-07	3.10229E-06
ENSG00000142405.17	NLRP1	7.203293521	1.630962809	0.307225104	5.308689905	1.10416E-07	3.20735E-06
ENSG00000135919.8	SERPINE2	143.7757356	0.937425124	0.176645966	5.30680175	1.11565E-07	0.000003237
ENSG00000074219.9	TEAD2	68.52982977	0.563933606	0.106395617	5.300346203	1.15583E-07	3.34593E-06
ENSG00000110092.3	CND1	564.1161427	0.749744628	0.141538122	5.297121506	1.17642E-07	3.3935E-06
ENSG00000232216.1	IGHV3-43	26.53899515	2.321122837	0.438234561	5.296530773	0.000000118	3.39613E-06
ENSG00000139178.6	C1RL	292.3455887	0.399287123	0.075392394	5.296119443	1.18289E-07	3.39642E-06
ENSG00000071539.9	TRIP13	49.62058872	0.915777786	0.172946002	5.295165978	1.18908E-07	3.40633E-06
ENSG00000187955.7	COL14A1	732.881583	1.000123558	0.188867966	5.295358333	1.18783E-07	3.40633E-06
ENSG00000148926.5	ADM	174.6881911	1.336943667	0.252862574	5.287234268	1.2418E-07	0.00000355
ENSG00000159423.12	ALDH4A1	26.68144749	0.829078512	0.15680893	5.287189401	1.2421E-07	0.00000355
ENSG00000134278.10	SPIRE1	104.9289583	0.496113585	0.093854885	5.28596443	0.000000125	3.56978E-06
ENSG00000116793.11	PHTF1	112.4800662	0.516608011	0.097772778	5.283761215	1.26558E-07	3.60887E-06
ENSG00000105173.9	CCNE1	32.99975744	0.655527046	0.124210003	5.277570495	1.30908E-07	3.72011E-06
ENSG00000140678.12	ITGAX	186.9834242	1.416247843	0.268505058	5.274566712	1.3307E-07	3.77295E-06
ENSG00000134802.13	SLC43A3	73.27678278	0.834136141	0.158234856	5.271506953	1.35308E-07	3.82334E-06
ENSG00000160932.6	LY6E	154.7320491	1.111590483	0.21091151	5.270411657	1.36118E-07	3.84186E-06
ENSG00000224959.1	ACO17002.2	3.828461127	1.578429465	0.299700965	5.266681289	1.38912E-07	3.90743E-06
ENSG00000101916.11	TLR8	121.3663839	1.207470459	0.229641449	5.258068455	1.45576E-07	4.08566E-06
ENSG00000183853.13	KIRREL	217.1686214	0.723048919	0.137526601	5.257520449	0.000000146	4.08863E-06
ENSG00000243279.2	PRAF2	16.54939109	0.765740149	0.145642514	5.257669111	1.45893E-07	4.08863E-06
ENSG00000135679.17	MDM2	1216.904067	0.528279035	0.100547161	5.254042274	1.48797E-07	0.000004148
ENSG00000248008.2	DYNLL1-AS1	49.75189735	0.465794988	0.088680535	5.252505403	0.00000015	4.1734E-06
ENSG00000172183.10	ISG20	282.2700292	0.903405066	0.172023658	5.251632694	1.50757E-07	4.18855E-06
ENSG00000099958.10	DERL3	181.3204657	1.175376739	0.224213718	5.242216009	1.58659E-07	4.3934E-06
ENSG00000128791.7	TWSC1	320.0566952	0.584219512	0.111456244	5.241693897	1.59109E-07	0.000004401
ENSG00000145050.11	MANF	300.3185142	0.735702275	0.140429484	5.238944502	1.61498E-07	4.45218E-06
ENSG00000196208.9	GREB1	12.45383358	1.278030663	0.244022577	5.237345978	1.62902E-07	0.000004481
ENSG00000204394.8	VAR5	262.3190363	0.54102541	0.103331439	5.235825772	1.64249E-07	0.000004513
ENSG00000065485.13	PDIA5	178.8914197	0.494316341	0.094421431	5.235213406	1.64794E-07	4.51805E-06
ENSG00000134602.11	MST4	286.5355412	0.542657636	0.103655271	5.235215064	1.64793E-07	4.51805E-06
ENSG00000122188.8	LAX1	115.9954599	1.304308879	0.2491536	5.234958995	0.000000165	4.5193E-06
ENSG00000119630.9	PGF	25.53277073	0.992380963	0.189689483	5.231607705	0.000000168	0.000004597
ENSG00000229132.2	EIF4A1P10	392.4317068	0.488668306	0.093440626	5.229719939	1.69767E-07	4.63906E-06
ENSG00000237989.1	AP001046.5	6.123015866	1.557899399	0.298117305	5.225793238	1.7341E-07	4.73139E-06
ENSG00000179403.10	VVA1	187.6198606	0.917910096	0.175731435	5.223368812	1.75697E-07	4.78011E-06
ENSG00000075618.13	FSCN1	104.5375941	1.001156784	0.191727129	5.221779461	1.77212E-07	0.000004804
ENSG00000158055.11	GRHL3	4.262855593	2.113283563	0.404716517	5.221639032	1.77346E-07	0.000004804
ENSG00000166171.8	DPDC	33.92561932	0.73387351	0.140605828	5.219367645	1.79535E-07	4.85271E-06
ENSG00000074181.4	NOTCH3	139.4799218	0.989868492	0.18972299	5.21744093	1.81412E-07	4.88752E-06
ENSG00000143369.10	ECM1	91.38046269	0.779255956	0.149492302	5.212682853	1.86129E-07	4.99838E-06
ENSG00000137033.7	IL33	154.7779595	1.086177061	0.20840785	5.211785735	0.000000187	5.0172E-06
ENSG00000065833.7	ME1	155.8112706	1.007240315	0.193402219	5.208008056	1.90879E-07	5.09682E-06
ENSG00000188910.7	GJB3	46.01329549	1.223251527	0.234946907	5.206501942	1.92434E-07	0.000005129
ENSG00000129187.10	DCTD	269.8865945	0.305821082	0.058788943	5.202017019	1.97137E-07	5.23749E-06
ENSG00000142733.10	MAP3K6	89.78089952	0.744161351	0.143093814	5.200513766	1.98738E-07	5.27441E-06
ENSG00000178752.11	FAM132B	5.604768659	1.929072708	0.371173016	5.197233166	2.02277E-07	5.35689E-06
ENSG00000087494.11	PTHLH	4.984803111	2.102199568	0.404850344	5.192534966	2.0745E-07	5.47641E-06
ENSG00000259600.2	RP11-925D8.3	2.903906056	5.55083444	1.069308297	5.191051501	2.0911E-07	5.51438E-06
ENSG00000153086.9	ACMSD	1.860157945	4.601092985	0.88643957	5.190532033	2.09694E-07	5.52394E-06
ENSG00000143140.6	GJA5	23.95266541	1.419833112	0.273865763	5.184412594	2.16697E-07	5.68032E-06
ENSG00000225492.2							

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ENSG00000237807.3	RP11-400K9.4	34.31918151	1.224902188	0.237611021	5.155073119	2.53532E-07	6.46275E-06
ENSG00000184374.2	COLEC10	4.1660422	1.79683012	0.348598452	5.154440907	2.54389E-07	6.47521E-06
ENSG00000183914.10	DNAH2	6.982604274	1.203313658	0.233595363	5.151273736	2.58723E-07	6.55871E-06
ENSG00000236438.2	FAM157A	4.437086092	1.841404585	0.357460955	5.151344675	2.58625E-07	6.55871E-06
ENSG00000148841.11	ITPRIP	73.58316028	0.878119313	0.170570244	5.14813893	2.63084E-07	6.65569E-06
ENSG00000183010.12	PYCR1	212.5992693	0.906848865	0.176200004	5.146701724	2.65106E-07	6.67971E-06
ENSG00000196839.8	ADA	35.28026286	1.065074281	0.20693934	5.146794612	0.000000265	6.67971E-06
ENSG00000160181.4	TFF2	15.16208651	2.468354238	0.480064251	5.141716412	2.7224E-07	6.84559E-06
ENSG00000173868.7	PHOSPHO1	2.874212863	2.503500638	0.487372339	5.136731071	2.79559E-07	7.00839E-06
ENSG0000004468.8	CD38	246.7904302	1.147422739	0.223431166	5.135464135	2.81449E-07	7.04867E-06
ENSG00000199377.1	RNU5F-1	8.846647577	2.125135542	0.413930925	5.134034236	2.83596E-07	7.09533E-06
ENSG00000164220.6	F2RL2	38.99775883	1.493841893	0.290993255	5.133596293	2.84257E-07	7.10472E-06
ENSG00000153250.13	RBMS1	225.9866626	0.680138544	0.132511898	5.132660206	2.85675E-07	0.000007133
ENSG00000173557.10	C2orf70	2.978458671	1.694918076	0.330265081	5.131992978	2.8669E-07	0.000007144
ENSG00000165124.13	SVEP1	294.9521571	0.943538091	0.183892249	5.130929104	2.88315E-07	7.17733E-06
ENSG00000117594.5	HSD11B1	10.3086091	1.930633418	0.376838636	5.123236401	3.00335E-07	7.42458E-06
ENSG00000103353.11	UBFD1	346.3051116	0.311395723	0.060924656	5.111160922	3.20185E-07	7.86064E-06
ENSG00000147689.12	FAM83A	11.6107094	2.305351666	0.4512052	5.109319811	3.23321E-07	0.000007922
ENSG00000137507.7	LRRC32	90.95049533	0.832040839	0.162890824	5.107966284	3.25645E-07	7.94765E-06
ENSG00000198019.8	FCGR1B	4.881673218	2.904798529	0.568640839	5.10831852	0.000000325	7.94765E-06
ENSG00000172817.3	CYP7B1	52.62836945	0.99533786	0.194886624	5.107266158	3.26853E-07	7.96933E-06
ENSG00000111432.4	FZD10	6.873995619	1.145989391	0.224524902	5.104063642	3.32436E-07	8.07383E-06
ENSG00000061918.8	GUCY1B3	77.76841112	1.137213798	0.222987629	5.099896366	3.3984E-07	8.22154E-06
ENSG00000175538.6	KCNE3	507.4637164	0.686848246	0.134694099	5.099319516	3.40877E-07	8.23064E-06
ENSG00000240563.1	L1TD1	148.2838166	1.900169349	0.372824233	5.096688942	3.45645E-07	8.3296E-06
ENSG00000240864.1	IGKV1-16	89.46198125	1.785851778	0.350488285	5.095325159	3.48143E-07	8.3736E-06
ENSG00000272327.1	RP11-1002K11.1	45.70322203	1.057894344	0.207637914	5.0948997	3.48926E-07	8.38085E-06
ENSG00000197930.8	ERO1L	1155.75573	0.557912394	0.109533088	5.093551237	3.51418E-07	8.42794E-06
ENSG00000092621.7	PHGDH	32.38345256	0.979780876	0.192456746	5.090914699	3.5634E-07	8.52728E-06
ENSG00000104522.11	TSTA3	410.7935154	0.706399592	0.138752559	5.091074328	0.000000356	8.52728E-06
ENSG00000149131.11	SERPING1	374.0809177	1.120268541	0.220058201	5.090782954	3.56588E-07	8.52728E-06
ENSG00000137962.8	ARHGAP29	154.0123469	0.727331025	0.142880814	5.090473692	3.5717E-07	0.000008533
ENSG00000163221.7	S100A12	12.4618603	5.089185543	0.999813777	5.090133442	3.57812E-07	8.54014E-06
ENSG00000128274.11	A4GALT	34.57200555	0.978504757	0.192284379	5.08884166	3.60257E-07	8.58205E-06
ENSG00000164038.10	SLC9B2	35.95079304	0.83420514	0.16397107	5.087514148	3.62787E-07	8.63406E-06
ENSG00000120149.7	MSX2	13.06739421	1.320669759	0.259606145	5.087205308	3.63378E-07	8.63987E-06
ENSG00000064932.11	SBNO2	482.1123575	0.953589169	0.187457954	5.086949627	3.63868E-07	8.64326E-06
ENSG00000198734.6	F5	31.25095824	1.032920897	0.203201801	5.083227085	3.71076E-07	8.79767E-06
ENSG00000154856.8	APCDD1	94.73956239	0.840463571	0.165365348	5.082464862	3.72568E-07	8.82466E-06
ENSG00000173706.8	HEG1	366.0566157	0.70660687	0.139090299	5.080202413	0.000000377	8.91345E-06
ENSG00000188015.5	S100A3	3.14157883	2.003934894	0.394566544	5.078826182	3.79774E-07	8.96973E-06
ENSG00000166250.7	CLMP	135.3233085	0.798382409	0.157241784	5.077418923	3.82597E-07	9.01928E-06
ENSG00000143217.7	PVRL4	33.07485093	0.999427818	0.196856531	5.07693503	3.83572E-07	9.03372E-06
ENSG00000137868.14	STRA6	2.989757389	2.921109807	0.575454059	5.076182475	3.85093E-07	9.0529E-06
ENSG00000184867.9	ARMCX2	78.2827088	0.577250421	0.113720268	5.076055759	3.8535E-07	9.0529E-06
ENSG00000225485.3	ARHGAP23	67.26261648	0.92374919	0.181983934	5.075993078	3.85477E-07	9.0529E-06
ENSG00000096006.7	CRISP3	2.362056081	3.643481959	0.718131656	5.073557099	3.90447E-07	0.000009161
ENSG00000224041.2	IGKV3D-15	14.1993796	1.95999157	0.386382489	5.072671842	3.92269E-07	0.000009195
ENSG00000187908.11	DNMT3	10724.85741	2.088031349	0.411681745	5.07195516	3.93749E-07	9.22106E-06
ENSG00000172985.8	SH3RF3	52.44447548	0.716907241	0.14135437	5.071701997	3.94273E-07	9.22467E-06
ENSG00000164070.7	HSPA4L	82.63779042	0.958922399	0.189185803	5.06868056	4.00583E-07	9.34593E-06
ENSG00000111331.8	OAS3	497.1236801	1.116681815	0.220327479	5.068282076	4.01422E-07	9.35675E-06
ENSG00000100979.10	PLTP	212.2936615	0.799230391	0.157704281	5.067905495	4.02217E-07	9.36012E-06
ENSG00000108797.1	CNTNAP1	36.50043918	0.897116627	0.177020898	5.067857165	4.02319E-07	9.36012E-06
ENSG00000271225.1	RP11-460N11.3	8.012583001	1.746088331	0.344938142	5.062033209	4.14809E-07	9.63269E-06
ENSG00000117525.9	F3	618.4175515	0.650323862	0.128812403	5.048612143	0.000000445	1.02821E-05
ENSG00000095794.15	CREM	96.12044883	0.605276483	0.119937024	5.046619155	4.49696E-07	1.03655E-05
ENSG00000112242.10	E2F3	148.9283403	0.461855534	0.091541555	5.045310122	4.52786E-07	0.000010409
ENSG00000155304.4	HSPA13	457.634329	0.543378381	0.107696037	5.045481669	4.5238E-07	0.000010409
ENSG00000266554.1	RP11-527H14.2	8.89551511	1.352560998	0.268084025	5.045287568	4.5284E-07	0.000010409
ENSG00000068438.10	FTSJ1	150.2554981	0.43473288	0.086217961	5.042254245	4.60079E-07	1.05657E-05
ENSG00000128383.8	AOBEC3A	16.91363481	2.968347269	0.589110355	5.038694782	4.68717E-07	1.07254E-05
ENSG00000144867.7	SRPRB	429.2971831	0.499556344	0.099166247	5.037564271	4.71493E-07	1.07583E-05
ENSG00000182199.6	SHMT2	316.3808184	0.42234842	0.08383718	5.037722151	4.71105E-07	1.07583E-05
ENSG00000178860.8	MSC	24.73741779	1.051625786	0.209028179	5.031023998	4.87867E-07	1.10812E-05
ENSG00000138801.4	PAPSS1	300.5603169	0.400603138	0.0797084	5.025858515	5.01185E-07	1.13278E-05
ENSG00000264868.1	CTB-167B5.2	17.30846079	1.173440026	0.233640049	5.022426729	5.10227E-07	1.14789E-05
ENSG00000154133.10	ROBO4	43.23741003	0.839976265	0.167311844	5.020423205	5.15578E-07	1.15837E-05
ENSG00000198959.7	TGM2	1260.55086	1.177958001	0.234688634	5.019237527	5.1877E-07	0.000011645
ENSG00000087077.7	TRIP6	109.2454071	0.772877107	0.154002502	5.018600967	5.20491E-07	1.16731E-05
ENSG00000162702.7	ZNF281	272.2290439	0.375600622	0.074848952	5.018114625	5.2181E-07	1.16921E-05
ENSG00000143248.8	RG55	979.887766	0.846222797	0.168673156	5.01693818	0.000000525	1.17533E-05
ENSG00000171017.6	LRRC8E	15.69102104	1.133468756	0.225954439	5.016359757	5.26597E-07	1.17782E-05
ENSG00000174899.6	C3orf55	2.054862375	2.085235664	0.415819912	5.014756641	0.000000531	1.18555E-05
ENSG00000211933.2	IGHV6-1	67.88573937	1.734876279	0.346035244	5.013582601	5.34258E-07	1.19067E-05
ENSG00000092853.9	CLSPN	80.91739577	0.813177004	0.162317188	5.009802187	5.4486E-07	1.21213E-05
ENSG00000143384.8	MCL1	3913.837926	0.483047816	0.096451755	5.008180656	5.49469E-07	1.22073E-05
ENSG00000071575.7	TRIB2	208.5327919	0.90368089	0.180451809	5.007879352	5.5033E-07	1.22103E-05
ENSG00000061656.5	SPAG4	16.26971337	1.204787625	0.24077637	5.003761898	5.62222E-07	1.24508E-05
ENSG00000180879.9	SSR4	963.9466171	0.556775431	0.111274803	5.003607423	5.62673E-07	1.24508E-05
ENSG00000067955.9	CBFB	349.2729803	0.486921735	0.097317855	5.003416208	5.63232E-07	1.24521E-05
ENSG00000104972.10	LILRB1	73.20123696	1.025845079	0.205074179	5.00231226	5.66467E-07	1.25125E-05
ENSG00000163378.9	EOGT	193.3109173	0.460433544	0.092060889	5.001402341	5.69148E-07	1.25606E-05
ENSG00000152669.8	CCNT1	6.492795943	2.078005483	0.415508946	5.001108895	0.000000557	1.25612E-05
ENSG00000169855.15	ROBO1	462.5362073	0.682089816	0.136389262	5.001052164	5.70183E-07	1.25612E-05
ENSG00000088340.11	FER1L4	69.94616378	1.419483059	0.284041326	4.997452595	5.80926E-07	1.27752E-05
ENSG00000172243.13	CLEC7A	148.5795817	0.838613824	0.167828122	4.996861161	5.8271E-07	0.00001279
ENSG00000196118.7	C16orf93	13.12232029	0.771159852	0.154333237	4.996719234	5.83139E-07	0.00001279
ENSG00000214212.4	C19orf38	17.87092766	1.166499866	0.233468881	4.996382657	5.84157E-07	1.28011E-05
ENSG00000077232.12	DNAJC10	1710.426678	0.540444292	0.108177167	4.995918312	5.85564E-07	0.000012814
ENSG00000079215.9	SLC1A3	40.84819405	1.762874892	0.352867937	4.995848893	5.85775E-07	0.000012814
ENSG00000108932.7	SLC16A6	23.29564803	1.219879588	0.244187854	4.995660376	5.86348E-07	1.28152E-05
ENSG00000099866.10	MADCAM1	40.61628241	1.459456088	0.292219586	4.994381487	5.90246E-07	1.28891E-05
ENSG00000171388.9	APLN	6.988151579	1.57001509	0.31464546	4.989791021	6.04446E-07	1.31531E-05
ENSG00000134590.9	FAM127A	97.32929734	0.550907894	0.110468999	4.986990927	6.13269E-07	1.33218E-05
ENSG00000151							

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ENSG00000108946.10	PRKAR1A	1612.965926	0.399077696	0.080483463	4.958505546	7.10375E-07	1.50503E-05
ENSG00000196754.6	S100A2	2.514374544	2.045856171	0.41285337	4.955406253	7.21793E-07	1.52532E-05
ENSG00000096968.8	JAK2	546.7679679	0.620720106	0.125285518	4.954444195	7.25373E-07	1.53159E-05
ENSG00000211965.2	IGHV3-49	99.2094005	1.993379963	0.402418467	4.953500222	7.28903E-07	1.53644E-05
ENSG00000110328.5	GALNT18	37.9511473	0.86806942	0.175327618	4.951127665	7.37847E-07	1.55135E-05
ENSG00000163565.14	IFI16	439.3781506	0.757056421	0.153016868	4.947535718	7.51589E-07	1.57625E-05
ENSG00000164116.12	GUCY1A3	227.5597476	1.002733111	0.202707189	4.94670719	7.54794E-07	1.58053E-05
ENSG00000197622.8	CDC42SE1	878.4509392	0.409628849	0.082812407	4.94646714	7.55725E-07	1.58093E-05
ENSG00000250899.3	RP11-253E3.3	12.25173638	0.849727235	0.171900527	4.943133404	7.68768E-07	1.60417E-05
ENSG00000167476.6	JSRP1	9.143392468	1.658834293	0.335653783	4.942099207	7.72859E-07	0.0000161
ENSG00000140545.10	MFGES	163.6222384	0.848739432	0.171770933	4.941112087	7.76782E-07	1.61682E-05
ENSG00000170379.15	FAM115C	31.53126554	0.915712547	0.185354674	4.94032617	7.7992E-07	0.00001622
ENSG00000134193.10	REG4	4716.59179	1.668408152	0.337750637	4.939763161	7.82175E-07	1.62533E-05
ENSG00000182118.5	FAM89A	20.32093783	0.903189719	0.182882077	4.938645345	7.86671E-07	1.63271E-05
ENSG00000188313.8	PLSCR1	755.9352798	0.549288897	0.111273046	4.936405666	7.95755E-07	1.64942E-05
ENSG00000172156.3	CCL11	148.5973297	1.381830415	0.280239458	4.930891699	8.18551E-07	1.69244E-05
ENSG00000028116.12	VRK2	184.8692779	0.421191495	0.085451331	4.929022065	8.26422E-07	1.70346E-05
ENSG00000011426.6	ANLN	277.6821441	0.799099444	0.162134691	4.928614828	8.28147E-07	0.000017052
ENSG00000174837.10	EMR1	44.8073346	1.16828708	0.237051007	4.92842067	0.00000829	1.70549E-05
ENSG00000243290.1	IGKV1-12	53.70309066	1.688993983	0.342717446	4.928240451	8.29735E-07	1.70565E-05
ENSG00000112576.8	CCND3	290.1076173	0.483938209	0.098207821	4.927695213	8.32053E-07	0.00001709
ENSG00000067177.10	PHKA1	59.65239729	0.822375634	0.166928874	4.92650322	8.37142E-07	1.71804E-05
ENSG00000150510.11	FAM124A	12.55102949	1.063595977	0.215902551	4.926277962	8.38108E-07	0.000017186
ENSG00000171385.5	KCND3	166.676381	1.235110875	0.250730293	4.926053647	8.3907E-07	1.71916E-05
ENSG00000132622.6	HSPA12B	22.56470079	0.840206512	0.170597392	4.925084159	8.43241E-07	1.72629E-05
ENSG00000114353.12	GNAI2	721.5830972	0.496315284	0.100779757	4.924751727	8.44675E-07	0.000017278
ENSG00000198873.10	GRK5	223.7492165	0.51605589	0.104798138	4.924284897	8.46694E-07	1.73051E-05
ENSG00000119777.14	TMEM214	435.4311242	0.376781535	0.076585303	4.919762951	8.66491E-07	1.76807E-05
ENSG00000146555.14	SDK1	92.07857202	0.858184377	0.174524827	4.917262438	8.77629E-07	1.78933E-05
ENSG00000174950.6	CD164L2	0.967139757	2.427790859	0.493781268	4.916733409	0.00000088	0.000017927
ENSG00000113273.11	ARSB	213.9477913	0.436802261	0.088875777	4.914750411	0.00000889	1.80946E-05
ENSG00000166148.2	AVPR1A	3.921156485	1.437077934	0.292513978	4.912852187	8.97609E-07	1.82558E-05
ENSG00000170909.9	OSCAR	7.47109894	1.471185988	0.299781513	4.907527399	9.22318E-07	1.86972E-05
ENSG00000100522.4	GNPNAT1	616.1335152	0.617432878	0.12585372	4.905956521	9.29731E-07	1.88322E-05
ENSG00000130558.14	OLFM1	62.77335381	0.822429059	0.167662008	4.905279794	9.32943E-07	1.88665E-05
ENSG000000011465.12	DCN	1519.352529	0.81810499	0.166808191	4.904465338	9.36822E-07	1.89296E-05
ENSG00000118655.4	DCLRE1B	69.86456111	0.407333102	0.083110736	4.901088829	9.53069E-07	1.91956E-05
ENSG00000152413.10	HOMER1	35.22452501	0.741927278	0.151393908	4.900641567	9.55242E-07	1.92238E-05
ENSG00000266970.1	RP11-806H10.4	0.788272348	2.717651689	0.554760274	4.898785683	9.64308E-07	1.93749E-05
ENSG00000204020.5	LIPN	0.899940972	3.246418092	0.662770283	4.898255359	9.66913E-07	1.94116E-05
ENSG00000163874.8	ZC3H12A	279.7258005	0.915523157	0.186930198	4.89767392	9.69778E-07	1.94377E-05
ENSG00000008516.12	MMP25	61.91160519	1.232789607	0.251871746	4.894513292	9.85493E-07	1.97051E-05
ENSG00000026751.12	SLAMF7	411.7248781	0.948201174	0.193756383	4.893780312	9.89173E-07	1.97628E-05
ENSG00000218809.1	RP1-229K20.5	0.518958082	4.59382151	0.938759522	4.893501907	9.90574E-07	1.97749E-05
ENSG00000123130.12	ACOT9	196.4394508	0.404346723	0.082655939	4.891925821	9.98541E-07	0.000019918
ENSG00000175792.7	RUVBL1	159.1127208	0.50683031	0.103665309	4.889102403	0.000001013	2.01896E-05
ENSG00000215533.4	LINC00189	2.590298325	2.074441997	0.424597796	4.885663604	1.03081E-06	2.05124E-05
ENSG00000103222.14	ABCC1	329.5221665	0.60592719	0.124032526	4.885228178	1.03309E-06	2.05386E-05
ENSG00000197442.8	MAP3K5	480.51601	0.358149854	0.073320011	4.884749073	1.03561E-06	2.05585E-05
ENSG00000169896.12	ITGAM	113.7753535	0.999962518	0.204772716	4.883280048	1.04336E-06	2.06629E-05
ENSG00000139318.7	DUSP6	682.2825121	0.612417924	0.125462086	4.881298757	1.05389E-06	0.000020855
ENSG00000123374.6	CDK2	185.3737103	0.323843945	0.066436988	4.874452544	1.09111E-06	2.14719E-05
ENSG00000197632.4	SERPIN2	1.40837159	3.351942419	0.68788919	4.872794147	1.10031E-06	2.16359E-05
ENSG0000011912.14	NCOA7	706.1064932	0.787667313	0.161729472	4.870276909	1.11442E-06	2.18788E-05
ENSG00000139618.10	BRCA2	258.8394355	0.57300623	0.117664771	4.869819809	0.000001117	2.19122E-05
ENSG00000125657.3	TNFSF9	8.28159808	1.88700771	0.38773695	4.86672139	1.13465E-06	2.22234E-05
ENSG00000137575.7	SDCBP	1029.106889	0.575879067	0.118355324	4.865679448	1.14064E-06	2.23232E-05
ENSG00000180739.12	S1PR5	2.855348785	1.574195875	0.323713947	4.862922617	1.15665E-06	0.000022601
ENSG00000151694.8	ADAM17	336.6411588	0.271768665	0.055899753	4.861714964	1.16373E-06	2.27192E-05
ENSG00000064666.10	CNN2	469.9825601	0.771411805	0.158769161	4.858700515	1.18159E-06	2.29852E-05
ENSG00000226238.2	CTA-217C2.1	30.12300824	0.608283753	0.125195896	4.858655687	1.18185E-06	2.29852E-05
ENSG00000064102.10	ASUN	183.0478806	0.324053086	0.06671081	4.857579812	1.18829E-06	2.30384E-05
ENSG00000211632.2	IGKV3D-11	4.958130054	1.963957773	0.404387692	4.856621038	1.19406E-06	2.31322E-05
ENSG00000119699.3	TGFB3	42.90370321	0.88785939	0.182829699	4.856209877	1.19654E-06	2.31622E-05
ENSG00000183486.8	MX2	188.0605737	0.784303907	0.161628199	4.852519007	0.000001219	2.300023561
ENSG00000112249.9	ASCC3	1228.421343	0.392796414	0.080994229	4.849684002	1.23658E-06	2.38078E-05
ENSG00000243649.4	CFB	185.4056719	1.322206801	0.272924481	4.844588498	1.26874E-06	2.43704E-05
ENSG00000188906.9	LRRK2	344.0723423	1.199629598	0.247735412	4.842382405	1.28292E-06	2.45858E-05
ENSG00000189067.8	LITAF	1297.285611	0.719927485	0.148690786	4.841776028	1.28684E-06	0.000024642
ENSG00000134824.9	FADS2	152.3323413	1.314356127	0.271525526	4.840635606	1.29425E-06	2.47647E-05
ENSG00000172031.6	EPHX4	2.566649109	1.76606837	0.364926582	4.83951693	1.30155E-06	2.48854E-05
ENSG00000159231.5	CBR3	20.90808937	1.158539718	0.23940027	4.839341725	1.3027E-06	2.48882E-05
ENSG00000181026.13	AEN	182.7242348	0.62088108	0.128376298	4.836415224	0.000001322	2.51122E-05
ENSG00000198785.4	GRIN3A	26.6345775	1.68460751	0.348379617	4.835551307	1.32777E-06	2.51932E-05
ENSG00000163762.2	TM4SF18	59.84597669	0.695610906	0.143868262	4.835054634	1.33109E-06	0.000025237
ENSG00000259261.2	IGHV4OR15-8	18.02826466	2.60546377	0.538912916	4.834665663	1.3337E-06	2.52543E-05
ENSG00000085265.6	FCN1	35.38444768	2.304491376	0.476763846	4.83361185	1.34078E-06	0.000025305
ENSG00000142156.10	COL6A1	1142.121256	0.961277716	0.198939439	4.832011801	1.3516E-06	2.54707E-05
ENSG00000204516.5	MICB	59.54177663	0.824807995	0.170848978	4.827702245	1.38117E-06	0.000025969
ENSG00000259401.1	RP11-566K19.8	7.087951313	0.963267721	0.199556082	4.827052692	1.38568E-06	2.60341E-05
ENSG00000062716.6	VMP1	2441.251713	0.63277802	0.131121817	4.825878992	1.39387E-06	2.61485E-05
ENSG00000184985.12	SORCS2	30.96808698	1.006503857	0.208769095	4.821134361	1.42744E-06	2.66978E-05
ENSG00000167995.11	BEST1	26.93326902	1.06178126	0.220250453	4.820790352	1.42991E-06	2.67238E-05
ENSG00000155307.13	SAMSN1	228.134947	1.047709139	0.217362008	4.820111618	1.43478E-06	2.67947E-05
ENSG00000153317.10	ASAP1	274.8779645	0.509793385	0.105773129	4.819687099	1.43784E-06	2.68116E-05
ENSG00000124256.10	ZBP1	97.34597996	1.13729353	0.236034235	4.818341419	1.44757E-06	2.69728E-05
ENSG00000070669.12	ASNS	147.9669969	0.589269674	0.122326742	4.817177849	0.000001456	0.00002709
ENSG00000223722.2	RP11-467L13.5	4.985707758	1.4197289	0.294720027	4.817212167	1.45578E-06	2.71689E-05
ENSG00000168062.5	BATF2	158.1253446	1.26932109	0.263526761	4.816668661	1.45975E-06	2.71389E-05
ENSG00000086548.8	CEACAM6	4829.551011	1.328014605	0.275762676	4.815788074	1.4662E-06	2.71689E-05
ENSG00000196230.8	TUBB	2190.247444	0.42781807	0.088832784	4.815993018	1.4647E-06	2.71689E-05
ENSG00000169908.6	TM4SF1	393.0072468	0.793124882	0.164800474	4.81263714	1.48952E-06	2.75483E-05
ENSG00000160013.4	PTGIR	10.87949142	1.071938059	0.222803501	4.811136519	1.50074E-06	2.77354E-05
ENSG00000182718.12	ANXA2	1806.093097	0.596185458	0.123917422	4.810902051	1.50251E-06	2.77473E-05
ENSG00000168917.8	SLC35G2	10.41832643	0.917367369	0.190790573	4.808242652	1.52263E-06	2.80565E-05

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ENSG00000138175.8	ARL3	60.18683019	0.452363433	0.094982801	4.762582593	1.91131E-06	3.41321E-05
ENSG00000101307.11	SIRPB1	20.45125282	1.348148221	0.283100318	4.762086574	0.000001916	3.41916E-05
ENSG00000134107.4	BHLHE40	463.6623414	0.847494983	0.1781786	4.756435299	1.97041E-06	3.50368E-05
ENSG00000134109.6	EDEM1	1075.215116	0.449644801	0.09456461	4.754895086	1.98549E-06	3.52294E-05
ENSG00000186283.9	TOR3A	222.8021172	0.430781699	0.090651463	4.752065612	2.01349E-06	3.56753E-05
ENSG00000125821.7	DTD1	110.9752575	0.404281854	0.085121113	4.749489726	2.03931E-06	3.60814E-05
ENSG00000101670.7	LIPG	225.8530304	0.826638627	0.174121701	4.747476173	2.05971E-06	3.63906E-05
ENSG00000077514.4	POLD3	283.3940312	0.49675459	0.104650979	4.746774439	2.06686E-06	3.64524E-05
ENSG00000143507.13	DUSP10	79.70860311	0.705859588	0.148705256	4.746702338	2.0676E-06	3.64524E-05
ENSG00000182463.11	TSHZ2	89.4081857	0.860465831	0.181282644	4.746542805	2.06923E-06	3.64553E-05
ENSG00000105339.6	DENND3	289.6304301	0.758840381	0.15998733	4.743127968	2.10443E-06	3.70493E-05
ENSG00000007171.12	NOS2	828.558588	1.906599493	0.402057495	4.74210658	2.11507E-06	3.71578E-05
ENSG00000188677.10	PARVB	82.89320969	0.701095061	0.147884963	4.740813704	2.12862E-06	3.73694E-05
ENSG00000180828.1	BHLHE22	10.67352356	1.29974238	0.274205106	4.740037113	2.13679E-06	3.74864E-05
ENSG00000011105.7	TSPAN9	97.46735872	0.615075528	0.129807992	4.738348682	2.15467E-06	3.77469E-05
ENSG00000078237.4	C12orf5	76.37717056	0.768716636	0.162251129	4.737819953	2.1603E-06	3.78189E-05
ENSG00000241839.5	PLEKHO2	212.5382016	0.691149963	0.14588782	4.737543984	2.16324E-06	3.78438E-05
ENSG00000085514.11	PILRA	42.00228032	1.198265883	0.253043205	4.735420108	0.000002186	3.81084E-05
ENSG00000103742.7	IGDCC4	46.20706173	1.05715359	0.223237333	4.73555914	2.18452E-06	3.81084E-05
ENSG00000138180.11	CEP55	165.189438	0.810656559	0.171254101	4.733647562	2.20521E-06	3.84159E-05
ENSG00000272511.1	RP11-180N14.1	2.453074774	1.517403166	0.320649173	4.732284673	2.22007E-06	3.86478E-05
ENSG00000004399.8	PLXND1	293.7474607	0.717511085	0.151733255	4.728766183	2.25888E-06	3.92412E-05
ENSG00000026036.16	RTEL1-TNFRSF6B	26.07717481	0.975411119	0.206334084	4.727338802	2.27482E-06	3.94354E-05
ENSG00000228612.2	HK2P1	63.38485613	1.03554474	0.219115901	4.726013654	2.2897E-06	3.96383E-05
ENSG00000142227.6	EMP3	76.44184591	0.716663618	0.151684492	4.724699338	2.30456E-06	3.98401E-05
ENSG00000157827.15	FMNL2	261.5634007	0.470084036	0.099590881	4.720151425	2.35669E-06	4.06848E-05
ENSG00000176788.7	BASP1	140.2321619	1.149396325	0.243627535	4.717842442	2.38359E-06	4.10922E-05
ENSG00000178202.8	KDEL2	306.5164395	0.437516139	0.092745855	4.717365936	2.38918E-06	0.00004116
ENSG00000198832.6	SELM	144.4917899	0.5894018	0.124974189	4.716188248	0.000002403	4.13702E-05
ENSG00000197506.6	SLC28A3	60.3384951	1.026867322	0.217778224	4.715197436	2.41476E-06	4.15146E-05
ENSG00000159871.10	LYPD5	21.26591993	1.536695518	0.326034424	4.713292233	2.43746E-06	4.18595E-05
ENSG00000211943.2	IGHV3-15	271.673488	1.696039294	0.35984636	4.713231769	2.43819E-06	4.18595E-05
ENSG00000104728.11	ARHGEF10	97.55966509	0.595706662	0.126455641	4.710795479	2.46752E-06	4.23338E-05
ENSG00000250274.1	CTB-114C7.4	1.589974388	2.626366184	0.557707206	4.70922046	2.48666E-06	4.26329E-05
ENSG00000017260.15	ATP2C1	877.8944013	0.323195573	0.068650319	4.707852482	2.5034E-06	4.28609E-05
ENSG00000112578.5	BYSL	36.14276079	0.429262723	0.091254215	4.704031759	2.55074E-06	4.36103E-05
ENSG00000165188.9	RNF183	4.927797729	1.497390734	0.318463325	4.701925211	2.5772E-06	4.40033E-05
ENSG00000091317.7	CMTM6	1423.849978	0.464668278	0.098830693	4.701659605	2.58055E-06	4.40304E-05
ENSG00000197646.6	PDCD1L1G2	40.45543809	1.09868237	0.233693417	4.70138348	0.000002584	4.40598E-05
ENSG00000188215.5	DCUN1D3	146.2786757	0.435430398	0.092759311	4.694196127	2.67657E-06	4.53887E-05
ENSG00000157570.7	TSPAN18	49.48810887	0.85950716	0.183150411	4.692903259	2.69355E-06	4.55834E-05
ENSG00000181649.5	PHLDA2	17.84926159	1.154706361	0.246084336	4.69231963	2.70125E-06	4.56826E-05
ENSG00000160182.2	TFF1	343.512185	1.260093648	0.268576434	4.691750608	2.70877E-06	4.57788E-05
ENSG00000163923.5	RPL39L	17.23416688	0.80623979	0.17190805	4.689947864	2.73275E-06	4.61214E-05
ENSG00000127920.5	GNG11	139.3619636	0.674800876	0.143917703	4.688796884	2.74816E-06	4.63501E-05
ENSG00000163577.3	E1F5A2	59.16718316	0.63287378	0.135015673	4.687409746	2.76685E-06	4.66021E-05
ENSG00000135046.9	ANXA1	557.8163011	0.808227943	0.172432317	4.68721849	2.76943E-06	4.66141E-05
ENSG00000142669.9	SH3BGL3	727.1444882	0.539980624	0.115213318	4.686789971	2.77524E-06	4.66802E-05
ENSG00000160951.3	PTGER1	3.405506993	1.722825608	0.367612445	4.686526889	2.7788E-06	4.67087E-05
ENSG00000138722.5	MMRN1	260.4865485	1.102236944	0.235514434	4.680124793	0.000002867	4.80614E-05
ENSG00000149564.7	ESAM	67.97817406	0.681136846	0.145577202	4.678870288	2.8846E-06	4.82913E-05
ENSG00000167721.6	TSR1	312.0744049	0.339399466	0.07254628	4.678385504	2.89143E-06	4.83731E-05
ENSG00000122863.5	CHST3	62.51148032	0.828647546	0.177216518	4.675904674	2.92661E-06	4.88304E-05
ENSG00000177464.4	GNP4	6.307295256	1.214973349	0.259853376	4.67561118	2.93079E-06	4.88675E-05
ENSG00000185885.11	IFITM1	571.3683253	0.960064504	0.205362495	4.674974882	2.9399E-06	4.89865E-05
ENSG00000145113.17	MUC4	1023.547793	1.376416388	0.294715696	4.670319247	3.00732E-06	4.99095E-05
ENSG00000272636.1	DOC2B	9.9786423	1.268331772	0.271736631	4.66750385	3.04881E-06	5.04971E-05
ENSG00000127528.5	KLF2	49.51439358	0.993815613	0.213113927	4.663306733	3.11168E-06	5.14358E-05
ENSG00000109861.11	CTSC	1925.109727	0.556933966	0.119436586	4.663009767	3.11618E-06	5.14418E-05
ENSG00000170854.13	MINA	264.299684	0.389715694	0.083574443	4.66309654	3.11487E-06	5.14418E-05
ENSG00000168334.8	XIRP1	1.989659992	3.571159932	0.765963774	4.662309177	3.12681E-06	0.000051583
ENSG00000136040.4	PLXNC1	447.024132	0.678185926	0.145484127	4.661580195	3.13791E-06	5.16976E-05
ENSG00000196305.13	IARS	1163.638245	0.405765621	0.087089175	4.659196964	3.17445E-06	5.22306E-05
ENSG00000185386.10	MAPK11	21.91295247	0.884010929	0.189801948	4.657544028	0.0000032	5.24572E-05
ENSG00000123352.13	SPATS2	167.5932294	0.431501604	0.092665334	4.656559089	3.21538E-06	5.26257E-05
ENSG00000181260.8	MTHFD2P7	4.224303723	1.187476685	0.255122991	4.654526356	3.24726E-06	5.31126E-05
ENSG00000165733.7	BMS1	435.6038545	0.229032602	0.049265414	4.648953169	3.33624E-06	5.43892E-05
ENSG00000070190.8	DAPP1	178.1791683	1.190018173	0.256032815	4.64791271	3.35311E-06	5.46284E-05
ENSG00000127241.12	MASP1	55.23847875	1.46188359	0.314582612	4.647057825	0.000003367	5.48194E-05
ENSG00000211935.2	IGHV1-3	20.67708266	1.807004888	0.389024505	4.644964166	3.40135E-06	5.53059E-05
ENSG00000163513.13	TGFBR2	1475.422414	0.434252705	0.093536189	4.642617044	3.44024E-06	5.58253E-05
ENSG00000173918.10	C1QTNF1	82.32124963	0.724613849	0.156082848	4.642495039	3.44227E-06	5.58253E-05
ENSG00000197157.6	SND1	1348.590919	0.317580991	0.068434035	4.6406878	3.47251E-06	0.000056265
ENSG00000269728.1	RP11-145M9.4	122.9078136	0.607395652	0.130887157	4.64060542	3.4739E-06	0.000056265
ENSG00000128581.11	RABL5	43.32707243	0.514732039	0.111110714	4.632604913	3.61093E-06	5.81475E-05
ENSG00000251593.1	MSNP1	24.49708262	0.851566173	0.183823816	4.632512761	3.61254E-06	5.81475E-05
ENSG00000241351.1	IGKV3-11	768.4399783	1.654941864	0.357662473	4.62710513	3.70812E-06	5.94781E-05
ENSG00000020129.11	NCDN	71.11169263	0.618280104	0.133631198	4.626764646	3.71422E-06	5.94875E-05
ENSG00000100427.11	MLC1	2.050960373	1.830396694	0.39570263	4.625687466	3.73358E-06	5.96558E-05
ENSG00000133065.6	SLC41A1	80.66625236	0.660589148	0.142826373	4.625120225	3.74381E-06	5.97483E-05
ENSG00000169826.6	CSGALNACT2	147.8734036	0.616303566	0.133306755	4.623198322	3.77868E-06	6.01833E-05
ENSG00000239819.1	IGKV1D-8	3.172634229	1.837617757	0.397474826	4.62323055	3.77809E-06	6.01833E-05
ENSG00000132718.7	SYT11	119.7919949	0.698110011	0.151132143	4.619202757	3.85217E-06	6.12754E-05
ENSG00000239672.3	NME1	127.6530832	0.668048049	0.144636815	4.618796747	3.85972E-06	0.000061317
ENSG00000008513.10	ST3GAL1	321.9707894	0.712297135	0.154251036	4.617778611	3.8787E-06	6.15793E-05
ENSG00000187801.10	ZFP69B	21.20450199	0.677707788	0.146796409	4.616650992	3.89982E-06	6.18657E-05
ENSG00000211938.2	IGHV3-7	425.8654004	1.583141287	0.342927308	4.616550656	3.90171E-06	6.18657E-05
ENSG00000211946.2	IGHV3-20	12.5643022	2.475745124	0.536337783	4.616018494	3.91172E-06	0.000061985
ENSG00000071282.7	LMCD1	46.33328468	0.681537074	0.147747458	4.612851446	3.97182E-06	6.28174E-05
ENSG00000163993.6	S100P	356.9882955	1.38426025	0.300181012	4.611418423	3.99931E-06	6.31718E-05
ENSG00000101347.7	SAMHD1	1196.904918	0.566899546	0.123081787	4.605876772	4.10732E-06	6.46149E-05
ENSG00000170989.8	S1PR1	117.6075227	0.772071448	0.167630264	4.605799862	4.10883E-06	6.46149E-05
ENSG00000175040.4	CHST2	84.22950266	0.930328115	0.202196693	4.601104501	4.20257E-06	6.59223E-05
ENSG00000160255.12	ITGB2	532.152607	0.941670537	0.204730601	4.599559293	4.23386E-06	6.63713E-05
ENSG00000078053.12	AMPH	11.3388524	1.098041605	0.238957771	4.595128252	4.32483E-06	6.74999E-05
ENSG00000135077.4	HAVCR2						

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ENSG00000132507.13	EIF5A	783.4433455	0.444194185	0.097446119	4.558356873	5.15554E-06	7.84876E-05
ENSG00000233901.1	RP11-65J3.1	2.228685833	1.391167283	0.305197503	4.558252505	5.1581E-06	7.84876E-05
ENSG00000134571.6	MYBPC3	1.645563612	2.031008135	0.445909322	4.554755947	5.24464E-06	7.96098E-05
ENSG00000186818.8	LILRB4	81.81300722	1.263471379	0.277450692	4.553859169	5.26706E-06	7.98042E-05
ENSG00000213694.3	S1PR3	63.84751747	1.063186608	0.233501941	4.553223852	0.000005283	0.000079997
ENSG00000086062.8	B4GALT1	654.421682	0.589569645	0.129506456	4.552434387	5.30287E-06	0.000080249
ENSG00000243766.3	HOTTIP	93.52902918	1.546013561	0.339720447	4.550840471	5.3432E-06	8.07612E-05
ENSG00000169330.4	KIAA1024	15.04438709	0.861974647	0.189460985	4.549615564	5.3744E-06	8.11835E-05
ENSG0000005238.15	FAM214B	193.6979519	0.500764087	0.11012251	4.547336315	5.43291E-06	0.000081919
ENSG00000173227.9	SYT12	7.587057551	1.862220412	0.409530618	4.547206799	5.43626E-06	0.000081919
ENSG00000173621.8	LRFN4	76.58077964	0.724343773	0.159288465	4.547371165	0.000005432	0.000081919
ENSG00000051108.10	HERPUD1	1210.018679	0.450805756	0.09916823	4.545868724	5.47091E-06	8.23914E-05
ENSG00000164736.5	SOX17	8.442087047	1.000352516	0.22015013	4.543956056	5.52082E-06	8.29923E-05
ENSG00000176014.8	TUBB6	168.2097771	0.699053459	0.154040204	4.538123431	5.6757E-06	8.51663E-05
ENSG00000140030.4	GPR65	99.80699581	0.822372563	0.181267536	4.536789002	5.71172E-06	8.56036E-05
ENSG00000182934.7	SRPR	972.5973246	0.312459253	0.068885377	4.535930052	0.000005735	8.59011E-05
ENSG00000150347.10	ARIDS5B	689.2599335	0.42376416	0.09348673	4.532880359	5.81848E-06	8.69941E-05
ENSG00000164867.6	NOS3	49.31838599	0.788836711	0.174077708	4.531520559	5.85606E-06	0.000087451
ENSG00000122691.8	TWIST1	4.275094966	1.53112955	0.338127875	4.528255915	5.94725E-06	8.86002E-05
ENSG00000141424.8	SLC39A6	273.3947626	0.492291076	0.108741466	4.52716975	5.97789E-06	8.89502E-05
ENSG00000130052.9	STARD8	45.479449	0.731153192	0.161546478	4.525961829	6.01214E-06	8.92997E-05
ENSG00000110446.5	SLC15A3	117.2835818	0.794311086	0.175608991	4.523180054	6.09174E-06	9.03203E-05
ENSG00000118985.10	ELL2	512.9357052	0.598735433	0.132368391	4.523250812	6.0897E-06	9.03203E-05
ENSG00000101017.9	CD40	106.2506683	0.972444761	0.215000893	4.522980108	6.0975E-06	9.03216E-05
ENSG00000135838.9	NPL	96.14246171	0.611166292	0.135149012	4.522166175	0.000006121	9.05616E-05
ENSG00000187583.6	PLEKHN1	3.740161335	1.686274708	0.372987882	4.520990603	6.15509E-06	9.08807E-05
ENSG00000103021.5	CCDC113	27.49182333	0.603713664	0.133550786	4.520480038	0.00000617	9.10462E-05
ENSG00000109790.12	KLHL5	244.9297983	0.688400939	0.152304306	4.519904644	6.18675E-06	9.11859E-05
ENSG00000105612.4	DNASE2	187.0576679	0.446114104	0.09874788	4.517708174	6.25126E-06	9.19189E-05
ENSG00000106683.10	LIMK1	140.162764	0.653379781	0.144640358	4.517271609	6.26415E-06	9.20542E-05
ENSG00000158092.2	NCK1	309.7525741	0.369942122	0.081935949	4.515016016	6.3312E-06	9.29297E-05
ENSG00000225422.3	RBMS1P1	33.44466181	0.655671801	0.145257332	4.513863723	6.36571E-06	9.33263E-05
ENSG00000167656.4	LY6D	3.306844871	5.000561654	1.107993596	4.513168373	6.38663E-06	9.35228E-05
ENSG00000180644.6	PRF1	107.1096528	1.167460239	0.258987166	4.507791855	6.55058E-06	9.57546E-05
ENSG00000157021.9	FAM92A1P1	9.601627961	0.804168353	0.17848266	4.505582529	6.61911E-06	9.64732E-05
ENSG00000133962.3	CATSPERB	51.87704118	1.003825351	0.222805601	4.505386512	6.62522E-06	9.65057E-05
ENSG00000100342.16	APOL1	504.584422	1.205182651	0.267702902	4.501940934	6.73357E-06	9.79693E-05
ENSG00000127589.4	TUBBP1	98.23022649	0.475284306	0.105577657	4.501750829	6.7396E-06	9.79997E-05
ENSG00000072042.8	RDH11	438.7252671	0.544323886	0.120923083	4.501405957	6.75054E-06	9.81016E-05
ENSG00000143641.8	GALNT2	474.4899702	0.473069835	0.105096978	4.501269628	6.75488E-06	9.81073E-05
ENSG00000156795.2	WDYHV1	43.13597866	0.339489098	0.075427164	4.500886394	6.76707E-06	0.000098227
ENSG00000255737.2	AGAP2-AS1	14.88623084	0.71521052	0.158981604	4.498699852	0.000006837	9.90117E-05
ENSG00000169129.10	AFAP1L2	140.3326184	0.494650718	0.109967711	4.49814507	6.85489E-06	9.92126E-05
ENSG00000223414.2	LINC00473	7.118651499	2.018505299	0.44876799	4.497881628	6.86339E-06	9.92779E-05
ENSG00000043462.7	LCP2	339.5301006	0.826587386	0.183801222	4.497181117	0.000006886	9.95447E-05
ENSG00000111341.5	MGP	113.5311061	1.009437983	0.224522718	4.495928041	6.92672E-06	0.00010002
ENSG00000142686.7	C1orf216	45.52948926	0.657452833	0.14625811	4.495154714	6.95194E-06	0.000100267
ENSG00000167191.7	GPRC5B	78.92038916	0.638497597	0.142060751	4.494539076	6.97208E-06	0.000100442
ENSG00000165490.8	C11orf82	43.6176234	0.736536407	0.163888945	4.494118906	6.98586E-06	0.000100582
ENSG00000136634.5	IL10	9.56244114	1.187217357	0.26451534	4.488274136	7.18025E-06	0.000103142
ENSG00000128656.9	CHN1	47.3219159	0.948642165	0.211382153	4.487806326	0.000007196	0.000103309
ENSG00000235750.5	KIAA0040	384.2592807	0.463739917	0.103367262	4.486332578	0.000007246	0.000103966
ENSG00000183018.4	SPNS2	236.4845478	0.84828891	0.189122309	4.485398431	7.27778E-06	0.000104362
ENSG00000180535.3	BHLHA15	16.61863663	1.083610225	0.241670818	4.483827347	7.3316E-06	0.000105074
ENSG00000222041.6	LINC00152	31.84991969	0.988948213	0.220588707	4.483222301	7.35243E-06	0.000105312
ENSG00000159212.8	CLIC6	34.64491618	1.008018726	0.224877541	4.4825229	7.37657E-06	0.000105597
ENSG00000171488.10	LRRRC8C	215.5267227	0.603634363	0.134692104	4.481586845	0.000007409	0.000106
ENSG00000100290.2	BIK	56.11663601	0.734789915	0.164009258	4.480173408	7.45824E-06	0.000106582
ENSG00000179271.1	GADD45GIP1	89.59444459	0.389215146	0.086897947	4.47899126	7.49966E-06	0.000106928
ENSG00000227295.2	ELL2P1	36.14178066	0.617230418	0.137802146	4.479105986	7.49563E-06	0.000106928
ENSG00000183696.9	UPP1	131.1982414	0.63011248	0.1407381	4.477199004	7.56287E-06	0.000107583
ENSG00000114346.9	ECT2	437.4622514	0.634684744	0.141801911	4.475854672	7.61062E-06	0.000108
ENSG00000165929.8	TC2N	1281.915558	0.493766473	0.110395993	4.472684743	7.72436E-06	0.000109755
ENSG00000116670.10	MAD2L2	51.63622022	0.581578773	0.13008946	4.470606421	7.79981E-06	0.000110574
ENSG00000115271.6	GCA	240.0023567	0.64125422	0.143463055	4.469821307	7.8285E-06	0.000110855
ENSG00000170425.3	ADORA2B	91.15998891	0.894357348	0.200112138	4.469280857	7.8483E-06	0.000111009
ENSG00000216490.3	IFI30	19.49016488	0.994273828	0.222557007	4.4675018	7.91383E-06	0.000111701
ENSG00000262001.1	DLGAP1-AS2	25.30471523	0.652500137	0.146068364	4.467087312	7.92918E-06	0.000111835
ENSG00000143702.11	CEP170	267.4228502	0.579463166	0.129723558	4.466907748	7.93583E-06	0.000111866
ENSG00000166197.12	NOLC1	507.4658841	0.362514367	0.081159472	4.466692021	7.94384E-06	0.000111915
ENSG00000183019.3	C19orf59	2.17046786	4.809945818	1.07818417	4.461154179	8.15194E-06	0.000114523
ENSG00000168032.4	ENTPD3	14.5699447	1.553194937	0.348227495	4.460288063	0.000008185	0.000114857
ENSG00000219891.2	ZSCAN12P1	10.92042914	0.803990822	0.180455365	4.455344518	8.37586E-06	0.000117206
ENSG00000263426.1	RN7SL471P	7.428157795	1.499352633	0.336725251	4.452747843	8.47783E-06	0.000118433
ENSG00000175352.6	NRIP3	10.49961673	0.960909496	0.215826396	4.452233423	8.49817E-06	0.00011865
ENSG00000169032.5	MAP2K1	265.5115578	0.370382331	0.083207904	4.45128782	8.53568E-06	0.000119107
ENSG00000150630.2	VEGFC	17.84135924	0.792413571	0.178029896	4.451014056	8.54657E-06	0.000119126
ENSG00000137198.5	GMFR	15.63876268	1.003167577	0.225415881	4.450296808	8.57517E-06	0.000119403
ENSG00000117122.9	MFAP2	14.32145332	1.043702649	0.234739281	4.446220698	8.73942E-06	0.00012127
ENSG00000129128.8	SPCS3	1910.575033	0.385026368	0.086595108	4.446283124	8.73688E-06	0.00012127
ENSG00000111450.9	STX2	83.13600508	0.514911234	0.115873022	4.443754257	8.84026E-06	0.000122465
ENSG00000173846.8	PLK3	61.96245451	0.970596247	0.218545394	4.441165413	8.9473E-06	0.000123879
ENSG00000153002.7	CPB1	4.827493829	2.418309431	0.544593286	4.440578855	8.97172E-06	0.000124079
ENSG00000225873.1	LINC00694	1.955041153	1.879560375	0.423365666	4.439567326	0.000009014	0.000124525
ENSG00000144908.9	ALDH1L1	109.7483099	1.502123515	0.338446131	4.438294238	9.06746E-06	0.000125056
ENSG00000128829.7	EIF2AK4	394.6547618	0.290818521	0.065537684	4.437424424	9.10417E-06	0.000125447
ENSG00000172638.8	EFEMP2	76.61842971	0.585197818	0.131906442	4.436461243	0.000009145	0.000125846
ENSG00000111716.8	LDHB	829.4424683	0.742415917	0.167357884	4.436097661	9.16043E-06	0.000125919
ENSG00000186591.7	UBE2H	597.487994	0.241013024	0.054354505	4.434094722	0.000009246	0.000126747
ENSG00000113356.6	POLR3G	18.42965726	0.746817368	0.168442067	4.433674926	0.000009264	0.000126923
ENSG00000177575.8	CD163	308.3642706	0.793897447	0.179112116	4.432405049	9.31877E-06	0.000127491
ENSG00000126660.9	ELOVL5	388.0446463	0.689886831	0.155756887	4.429254113	0.000009456	0.000129268
ENSG00000128567.12	PDXL	395.0778527	0.480269373	0.108442122	4.428808312	9.47552E-06	0.000129464
ENSG00000144815.10	NXPE3	164.6363057	0.821168375	0.185529047	4.426090625	9.59562E-06	0.000130746
ENSG00000175283.7	DOLK	84.36898425	0.355465262	0.080348472	4.424045086	0.000009687	0.000131847
ENSG00000061337.11	LZTS1	13.6					

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ENSG0000078618.15	NRD1	629.3110964	0.313626567	0.071291225	4.399231031	1.08635E-05	0.000145474
ENSG00000186377.6	CYP4X1	13.35796968	1.144267183	0.260259498	4.396639476	0.000010994	0.000147063
ENSG00000164647.4	STEAP1	90.01547844	0.779446167	0.177300439	4.396188597	1.10168E-05	0.000147289
ENSG00000131459.8	GFPT2	19.08033568	1.110083635	0.252586374	4.394867457	0.000011084	0.000148108
ENSG00000175471.15	MCTP1	160.1713343	0.602160035	0.137049351	4.393745994	1.11414E-05	0.000148715
ENSG00000175745.7	NR2F1	41.01664186	0.781797787	0.177996854	4.392200038	1.12209E-05	0.000149617
ENSG00000239948.2	RN7SL368P	1.523356139	2.265421367	0.51583809	4.39172952	1.12453E-05	0.000149851
ENSG00000211637.2	IGLV4-69	41.18087042	1.472194625	0.33527487	4.39100797	1.12826E-05	0.000150118
ENSG00000106541.7	AGR2	9429.093137	0.932434782	0.212404611	4.389898959	1.13403E-05	0.000150724
ENSG00000184160.6	ADRA2C	3.964160597	1.753876638	0.39952337	4.389922514	1.13391E-05	0.000150724
ENSG00000120156.16	TEK	136.8590776	0.607891748	0.13850248	4.389031512	1.13857E-05	0.000151246
ENSG00000106803.5	SEC61B	315.21472	0.40333091	0.091937445	4.38701457	1.14917E-05	0.000152248
ENSG0000019186.5	CYP24A1	5.426566095	3.646140401	0.831187035	4.386666599	1.15101E-05	0.00015233
ENSG00000143537.9	ADAM15	550.4046725	0.46699603	0.106516193	4.384272645	1.16374E-05	0.000153769
ENSG00000111199.6	TRPV4	5.027673767	1.137608835	0.259567675	4.382706115	1.17214E-05	0.000154797
ENSG00000112769.14	LAMA4	949.4921666	0.582624185	0.132941083	4.382574382	1.17285E-05	0.000154809
ENSG00000167695.10	FAM57A	102.3092927	0.627000094	0.143146952	4.380114887	1.18617E-05	0.000156401
ENSG00000232742.2	RHOQP2	6.852087016	0.995790143	0.227473514	4.377609181	1.19988E-05	0.000158125
ENSG00000259863.1	SH3RF3-AS1	1.443807359	1.650171851	0.377017029	4.376915956	0.000012037	0.000158545
ENSG00000137573.9	SULF1	430.5618684	0.875197792	0.20011107	4.373560097	1.22237E-05	0.000160694
ENSG00000117114.15	LPHN2	347.3863906	0.658312488	0.150602142	4.37120269	1.23564E-05	0.000162236
ENSG00000049323.11	LTBP1	444.346509	0.50197158	0.114843597	4.37091482	1.23727E-05	0.000162365
ENSG00000116157.5	GPX7	31.88137465	0.841579704	0.192580303	4.370019629	1.24235E-05	0.000162946
ENSG00000101255.6	TRIB3	37.63287128	0.751355249	0.171941585	4.369828554	1.24344E-05	0.000163003
ENSG00000104290.6	FZD3	165.5726085	0.441159613	0.100959857	4.369653692	1.24444E-05	0.000163048
ENSG00000118503.13	TNFAIP3	547.0955316	0.75806843	0.173533919	4.368416457	1.25151E-05	0.000163715
ENSG00000159840.11	ZYX	317.85111	0.704020368	0.161171192	4.368152648	1.25302E-05	0.000163741
ENSG00000154511.7	FAM69A	145.7823299	0.407010747	0.093182733	4.367877321	0.000012546	0.000163862
ENSG00000100196.6	KDEL3	265.919999	0.795181039	0.182252419	4.363075359	1.28247E-05	0.000166997
ENSG00000119812.14	FAM98A	225.8230309	0.413819423	0.094846408	4.363047918	1.28263E-05	0.000166997
ENSG00000141526.10	SLC16A3	436.7365418	0.674428477	0.154596097	4.362519423	1.28573E-05	0.000167313
ENSG00000175445.10	LPL	106.5001126	1.234239203	0.282957457	4.361924988	1.28923E-05	0.000167681
ENSG00000148175.8	STOM	1277.228718	0.726919465	0.166768396	4.358856252	1.30744E-05	0.000169872
ENSG00000173210.15	ABLIM3	63.87808412	0.512220805	0.117539744	4.357851956	1.31345E-05	0.000170564
ENSG00000164690.3	SHH	54.09946427	0.880510301	0.20207009	4.357449936	1.31587E-05	0.000170788
ENSG00000137959.11	IFI44L	174.7445436	1.473120599	0.338090992	4.357171991	1.31754E-05	0.000170916
ENSG00000163584.13	RPL22L1	127.9938847	0.568337252	0.130488213	4.355468113	1.32783E-05	0.000171982
ENSG00000163162.4	RNF149	652.5943074	0.415386603	0.095420242	4.353233611	1.34144E-05	0.000173565
ENSG00000118257.12	NRP2	178.3218769	0.687472778	0.157981682	4.351598033	1.35149E-05	0.000174616
ENSG00000073146.11	MOV10L1	2.393361669	1.622394077	0.373023261	4.349310749	1.36566E-05	0.000176058
ENSG00000109205.12	ODAM	1.435653924	3.172615412	0.729594726	4.348462648	1.37095E-05	0.000176646
ENSG00000126457.16	PRMT1	390.2464306	0.378092301	0.086979445	4.34691553	1.38065E-05	0.000177715
ENSG00000012232.4	EXTL3	233.9771111	0.294887508	0.067850706	4.346122906	1.38565E-05	0.000178081
ENSG00000104320.9	NBN	810.7127495	0.425477778	0.097975227	4.342707764	1.40737E-05	0.000180698
ENSG00000224650.2	IGHV3-74	149.3062873	1.499301801	0.345246946	4.342693884	1.40746E-05	0.000180698
ENSG000000257017.4	HP	1.751693141	2.386927556	0.549729769	4.342001636	0.000014119	0.000181082
ENSG000000330011.7	ALG1	158.5309402	0.320902537	0.073916986	4.341391001	1.41584E-05	0.000181492
ENSG00000155629.10	PIK3AP1	533.9602191	0.790369074	0.182140213	4.339344178	1.42909E-05	0.00018272
ENSG00000115355.11	CDC88A	433.5809086	0.583864432	0.134579075	4.338448836	1.43492E-05	0.000183184
ENSG00000213523.5	SRA1	170.4213439	0.334598582	0.077122401	4.338539519	1.43433E-05	0.000183184
ENSG00000162654.8	GBP4	864.499216	1.26146514	0.290837551	4.337353051	1.44209E-05	0.000183911
ENSG00000112531.12	QKI	624.2200009	0.513899432	0.118526454	4.33573614	1.45273E-05	0.000184998
ENSG00000105219.4	CNTD2	0.971037373	2.156798492	0.497550307	4.334835012	1.45869E-05	0.000185616
ENSG00000127946.12	HIP1	190.3960685	0.496357844	0.114558554	4.332787267	1.47233E-05	0.000187001
ENSG00000101310.10	SEC23B	680.3623834	0.384550787	0.088767294	4.332122424	1.47679E-05	0.000187472
ENSG00000259626.2	RP11-925D8.2	0.468009135	4.707293131	1.086901117	4.33093044	1.48481E-05	0.000188297
ENSG000000253193.4	FCGR1C	1.744733431	2.674363361	0.617570397	4.330459127	1.48799E-05	0.000188605
ENSG00000181192.7	DHTKD1	399.6404626	0.2503336	0.057817311	4.329734393	1.49289E-05	0.00018913
ENSG00000165732.8	DDX21	1047.38089	0.476364005	0.110042377	4.328914186	1.49846E-05	0.000189739
ENSG00000151135.5	C12orf23	523.3673165	0.471860329	0.109057775	4.326700507	0.000015136	0.000191266
ENSG00000183621.2	ZNF438	89.29128281	0.367968682	0.085045624	4.326720932	1.51346E-05	0.000191266
ENSG00000077150.13	NFKB2	241.80702	0.667151938	0.154212749	4.326178879	1.51718E-05	0.00019152
ENSG00000079819.12	EPB41L2	848.2620551	0.449396659	0.103880966	4.326073162	1.51791E-05	0.00019152
ENSG00000272666.1	CTA-384D8.35	2.535305227	1.826433668	0.422316149	4.324801864	1.52669E-05	0.00019253
ENSG00000186827.6	TNFRSF4	18.74637792	1.140697781	0.264043117	4.320119359	1.55945E-05	0.000196462
ENSG00000145088.4	EAF2	81.09837109	0.732668414	0.169790324	4.315136427	1.59504E-05	0.000200439
ENSG00000002549.8	LAP3	1012.516612	0.936482104	0.217374758	4.308145592	1.64629E-05	0.000206284
ENSG00000161940.6	BCL6B	46.13112915	0.627097777	0.145562033	4.308113639	1.64653E-05	0.000206284
ENSG00000110108.5	TMEM109	228.8658023	0.415642102	0.096494109	4.307435013	1.65159E-05	0.00020671
ENSG00000104689.5	TNFRSF10A	165.5680729	0.455847823	0.105864568	4.305952721	1.66269E-05	0.00020789
ENSG00000090861.11	AARS	497.4012448	0.463106571	0.107579693	4.304776831	1.67154E-05	0.000208788
ENSG00000135698.5	MPHOSPH6	88.99652127	0.44966781	0.10456907	4.300198982	1.70645E-05	0.000212508
ENSG00000169418.9	NPR1	30.40555657	0.650434955	0.151268593	4.29986783	0.00001709	0.000212719
ENSG00000230257.1	NFE4	0.876392251	3.273702737	0.761395961	4.299606123	1.71102E-05	0.000212864
ENSG00000146006.7	LRRTM2	14.94167422	0.890475246	0.207170835	4.298265478	0.000017214	0.000213942
ENSG00000235001.2	E1FAA1P2	73.67142419	0.484479933	0.112714111	4.298307714	1.72107E-05	0.000213942
ENSG00000196511.9	TPK1	185.1063461	0.581394048	0.135310324	4.296745664	1.73324E-05	0.000215306
ENSG00000164733.16	CTSB	3424.563894	0.619827319	0.144413057	4.292044856	1.77035E-05	0.000219573
ENSG00000100504.12	PYGL	224.4705191	0.903173317	0.210481101	4.290994832	1.77874E-05	0.000220409
ENSG00000180773.10	SLC36A4	95.29375584	0.48170709	0.112277161	4.290339079	1.78401E-05	0.00022095
ENSG00000150048.6	CLEC1A	14.94986596	0.737481723	0.171917433	4.289743681	1.78879E-05	0.000221433
ENSG00000162849.11	KIF26B	27.53721264	1.039388953	0.242313152	4.289445054	0.000017912	0.000221621
ENSG00000087253.7	LPCAT2	340.0028802	0.475426942	0.110915633	4.286383525	1.81605E-05	0.000224139
ENSG00000143669.9	LYST	908.483053	0.402954573	0.094080978	4.283061058	0.000018434	0.000227243
ENSG00000079150.13	FKBP7	41.30675721	0.554705635	0.129532415	4.282369291	1.84914E-05	0.000227771
ENSG00000196668.3	LINC00173	2.121644059	1.582045119	0.369818984	4.277890506	1.88673E-05	0.000232171
ENSG00000100036.11	SLC35E4	35.88034268	0.591909595	0.138415702	4.276318259	0.000019001	0.000233575
ENSG00000180801.11	ARSL	68.03352762	0.838814626	0.196193005	4.275456336	1.90746E-05	0.000234028
ENSG00000185155.7	MIXL1	6.720201958	1.233429556	0.288486591	4.275517803	1.90694E-05	0.000234028
ENSG00000077984.4	CST7	45.87549192	0.971290682	0.22724267	4.274244282	1.91787E-05	0.000235189
ENSG00000198363.11	ASPH	1678.917086	0.452864547	0.105982012	4.273032164	1.92833E-05	0.000236123
ENSG00000224593.1	RP11-30B1.1	3.044201727	1.260240698	0.295023191	4.271666552	1.94018E-05	0.000237285
ENSG00000134352.15	IL6ST	3277.967463	0.42298013	0.099086393	4.268801355	1.96526E-05	0.000239937
ENSG00000039139.9	DNAH5	9.191673956	1.338679411	0.313610965	4.26859887	1.96705E-05	0.000240038
ENSG00000118849.5	RARRS1	646.06085	0.943272052	0.221016654	4.267877716	1.97341E-05	0.000240461
ENSG00000026025.9	VIM	3019.260826	0.610231353	0.143079446	4.264982655	1.99918E-05	0.000

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ENSG00000168394.9	TAP1	1527.210407	0.912918036	0.215025833	4.245620272	0.000021799	0.000261903
ENSG00000164574.11	GALNT10	683.5284322	0.291174519	0.068701393	4.23826221	2.25257E-05	0.000269983
ENSG00000269640.1	CTD-2521M24.9	44.69861288	0.753304257	0.177811925	4.236522693	2.27008E-05	0.000271709
ENSG00000138135.5	CH25H	31.35279755	1.055866219	0.249361152	4.234285136	0.000022928	0.000274277
ENSG00000182963.5	GJC1	53.67880028	0.818357671	0.193317397	4.233233447	2.30355E-05	0.000275298
ENSG00000077943.7	ITGA8	269.8721523	0.508067065	0.120035344	4.232645561	2.30958E-05	0.000275887
ENSG00000161955.12	TNFSF13	84.49942258	0.697088348	0.164745327	4.231308784	2.32335E-05	0.000277266
ENSG00000137168.7	PPIL1	148.2861938	0.592505624	0.140063159	4.230274618	2.33406E-05	0.000278148
ENSG00000159388.5	BTG2	1065.972422	0.724986308	0.171384936	4.230163553	2.33521E-05	0.000278148
ENSG00000172023.3	REG1B	3068.913218	2.938464813	0.694749191	4.22953326	2.34177E-05	0.000278795
ENSG00000088727.8	KIF9	34.39789676	0.449108586	0.10621765	4.228191705	2.35577E-05	0.000280194
ENSG00000262074.3	SNORD3B-2	37.57618911	0.946530552	0.223884882	4.227755553	2.36034E-05	0.000280335
ENSG00000174600.9	CMKLR1	203.5779585	0.64504083	0.152583733	4.227454786	0.000023635	0.000280576
ENSG00000130429.8	ARPC1B	786.4284067	0.420106304	0.09938905	4.226887202	2.36946E-05	0.000281151
ENSG00000196843.11	ARID5A	118.4804088	0.788808126	0.186653549	4.226054794	2.37824E-05	0.000281789
ENSG00000165424.6	ZCCHC24	148.5540996	0.519005813	0.122818894	4.225781534	2.38113E-05	0.000281997
ENSG00000174307.5	PHLDA3	37.00046502	0.845740538	0.200145002	4.225639061	2.38264E-05	0.000282042
ENSG00000197905.4	TEAD4	30.19210534	0.670347469	0.158664096	4.224947465	2.38997E-05	0.000282775
ENSG00000203760.4	CENPW	39.24002774	0.702504985	0.166360188	4.222795094	2.41291E-05	0.000284948
ENSG00000240834.1	IGKV1D-12	18.19599428	1.825953272	0.432396737	4.222865518	2.41216E-05	0.000284948
ENSG00000151651.11	ADAM8	138.1858538	0.943084743	0.223390209	4.221692374	2.42475E-05	0.000286074
ENSG00000111537.4	IFNG	14.52808041	2.724981232	0.645651934	4.220511224	2.43749E-05	0.000287058
ENSG00000131725.9	WDR44	282.3435851	0.330638253	0.078341782	4.220458688	2.43806E-05	0.000287058
ENSG00000231632.1	RP11-82L18.4	0.623135815	3.089411732	0.731984446	4.220597515	2.43656E-05	0.000287058
ENSG00000090924.10	PLEKHG2	130.3841216	0.782716956	0.185658827	4.215888728	2.48796E-05	0.000292148
ENSG00000131462.3	TUBG1	74.88736164	0.470805859	0.111683079	4.215552275	2.49168E-05	0.00029218
ENSG00000154640.10	BTG3	88.39983464	0.411200307	0.097539082	4.21574921	0.000024895	0.00029218
ENSG00000185880.8	TRIM69	371.0361156	0.714267996	0.169728643	4.208293791	2.57306E-05	0.000300863
ENSG00000111729.8	CLEC4A	32.94598637	0.735737135	0.174849552	4.207829693	2.57835E-05	0.000301199
ENSG00000185904.7	LINC00839	3.566925587	1.685558487	0.400736559	4.206151019	2.59757E-05	0.000303159
ENSG00000128335.9	APOL2	393.8747578	0.851468822	0.202537038	4.204015369	2.62221E-05	0.00030532
ENSG00000183671.8	GPR1	2.059478777	1.555039144	0.370038774	4.202368113	2.64137E-05	0.000307407
ENSG00000168005.4	C11orf84	47.9445174	0.487491001	0.116022879	4.201679939	2.64942E-05	0.000308199
ENSG00000104356.6	POP1	78.56132903	0.377154998	0.089770842	4.201308447	2.65377E-05	0.000308417
ENSG00000124201.10	ZNF11	1206.194811	0.437512684	0.104186195	4.199334502	2.67701E-05	0.000310683
ENSG00000165168.6	CYBB	1142.373377	0.760214338	0.181073436	4.198375834	2.68836E-05	0.000311855
ENSG00000226025.5	LGALS17A	2.229498964	2.717964207	0.647453254	4.197931184	2.69364E-05	0.000312322
ENSG00000232882.1	PHKA1P1	9.283414586	0.696734842	0.166001328	4.197164274	2.70278E-05	0.000313161
ENSG00000240184.2	PCDHGC3	79.68152171	0.613999455	0.146290906	4.197112945	2.70339E-05	0.000313161
ENSG00000172322.9	CLEC12A	25.95020233	0.935048186	0.222875046	4.195392005	0.00002724	0.000315255
ENSG00000179294.5	C17orf96	11.50073248	1.208883176	0.288283208	4.19338742	2.74819E-05	0.000317907
ENSG00000166598.8	HSP90B1	6525.836501	0.528727363	0.126125074	4.192087642	2.76399E-05	0.000319099
ENSG00000182809.6	CRIP2	86.16840771	0.620783544	0.148087227	4.192012742	0.000027649	0.000319099
ENSG00000230825.1	AC005532.5	1.914956378	2.318560233	0.55332315	4.190246214	2.78652E-05	0.000321444
ENSG00000102007.6	PLP2	390.4059229	0.453336947	0.108235565	4.188428694	2.80893E-05	0.000323879
ENSG00000123146.15	CD97	423.1168372	0.524192566	0.1251759	4.187647667	2.81861E-05	0.000324544
ENSG00000102119.6	EMD	79.81692924	0.271334951	0.064806038	4.186877647	2.82818E-05	0.000325496
ENSG00000149480.2	MTA2	753.2103002	0.245987887	0.058780374	4.184864309	2.85336E-05	0.000328091
ENSG00000094963.9	FMO2	12.05670915	1.356995391	0.324340261	4.183863529	2.86599E-05	0.000329387
ENSG00000116663.6	FBXO6	77.32498843	0.852101426	0.203789402	4.18128429	2.89867E-05	0.000332993
ENSG00000179051.9	RCO2	700.3564112	0.339166531	0.081132123	4.180422254	2.90968E-05	0.000334104
ENSG00000171777.11	RASGRP4	24.77883095	0.907461	0.217097697	4.179966033	2.91553E-05	0.00033462
ENSG00000181577.11	C6orf223	18.99518615	1.756834001	0.420381525	4.1791418	2.92611E-05	0.000335371
ENSG00000062598.13	ELMO2	211.2685962	0.31449198	0.075264651	4.178481894	2.93461E-05	0.000336191
ENSG00000138755.5	CXCL9	599.6855503	2.150558598	0.51486933	4.176901734	2.95507E-05	0.000338223
ENSG00000065328.12	MCM10	66.76005577	0.63256581	0.15147766	4.175967677	2.96722E-05	0.000339413
ENSG00000158234.8	FAIM	41.79724091	0.365444784	0.087512962	4.175893203	2.96819E-05	0.000339413
ENSG00000149428.14	HYOU1	1602.917427	0.534125308	0.1279141	4.175656224	2.97128E-05	0.00033961
ENSG00000100055.16	CYTH4	232.3433092	0.745328746	0.178517507	4.175101704	2.97853E-05	0.000340282
ENSG00000139567.8	ACVRL1	932.0114219	0.480497326	0.115210778	4.170593519	3.03807E-05	0.000346132
ENSG00000141582.10	CBX4	109.8119127	0.526133868	0.126224451	4.168240508	0.000030696	0.000349244
ENSG000000211679.2	IGLC3	2261.015134	1.258753706	0.302063893	4.167176998	3.08395E-05	0.000350556
ENSG00000104332.7	SFRP1	113.7839141	1.178535685	0.283051072	4.163685645	3.13151E-05	0.000355314
ENSG00000152402.6	GUCY1A2	70.70183181	0.676655857	0.162566726	4.162326906	3.15021E-05	0.00035711
ENSG00000261625.1	RP11-554A11.4	3.925700772	1.109483693	0.266572222	4.162037904	0.000031542	0.000357399
ENSG00000196569.7	LAMA2	321.1028475	0.711666279	0.171025448	4.161171843	3.16619E-05	0.000358269
ENSG00000178878.8	APOLD1	73.60413494	0.618483191	0.148638601	4.160986355	3.16876E-05	0.000358397
ENSG00000197696.5	NMB	7.865165298	0.781032637	0.187715258	4.160730711	3.17231E-05	0.000358635
ENSG00000066336.7	SPI1	116.9394608	0.838105212	0.201526934	4.158775182	3.19959E-05	0.000361063
ENSG00000143799.8	PARP1	715.9803046	0.377352861	0.090741468	4.158549224	3.20275E-05	0.000361257
ENSG00000119508.13	NR4A3	46.27773374	1.685913235	0.40559025	4.156690734	3.22891E-05	0.000363877
ENSG00000241244.1	IGKV1D-16	20.15031949	1.443608283	0.347451558	4.15484763	3.25504E-05	0.000366267
ENSG00000189377.4	CXCL17	0.505398072	4.890692604	1.178115611	4.1512841	3.30615E-05	0.000370903
ENSG00000165409.11	TSHR	5.196958339	1.316308677	0.317144741	4.150498205	3.31752E-05	0.000371891
ENSG00000188820.8	FAM26F	86.90915989	1.220991222	0.294188822	4.150365786	3.31944E-05	0.000371891
ENSG00000013297.6	CLDN11	7.918407198	1.444987477	0.348268487	4.149061808	3.33841E-05	0.000373848
ENSG00000006074.4	CCL18	105.3416413	1.658636491	0.399889934	4.147732543	3.35784E-05	0.000375855
ENSG00000157350.8	ST3GAL2	194.312327	0.50478617	0.121731493	4.146717973	3.37275E-05	0.000377354
ENSG00000141682.11	PMAIP1	54.58670948	0.806085167	0.194582895	4.14263118	3.43344E-05	0.000383283
ENSG00000104213.8	PDGFRL	5.131573726	0.835510195	0.201708012	4.142176536	3.44025E-05	0.000383871
ENSG00000141506.9	PIK3R5	133.5606279	0.647791714	0.156421218	4.141328919	3.45299E-05	0.00038512
ENSG00000186318.12	BACE1	151.6918315	0.461287228	0.111461762	4.13852447	3.49547E-05	0.00038931
ENSG00000196209.8	SIRPB2	26.21928595	0.882252974	0.213185123	4.138435935	3.49681E-05	0.00038931
ENSG00000179388.8	EGR3	40.98529137	1.561351008	0.37736093	4.137553421	3.51029E-05	0.000390635
ENSG00000005059.11	CCDC109B	113.0961058	0.644765949	0.155837882	4.137414749	3.51241E-05	0.000390697
ENSG00000129038.11	LOXL1	41.37996797	0.854317122	0.206528835	4.136551311	3.52565E-05	0.000391994
ENSG00000169679.10	BUB1	197.8419106	0.616453352	0.149034064	4.136325196	3.52912E-05	0.000392205
ENSG00000106178.2	CCL24	172.9366667	0.917766364	0.221921203	4.135550603	3.54105E-05	0.000393355
ENSG00000005243.5	COP22	18.72795031	0.655690456	0.158621131	4.133689199	3.56986E-05	0.000396379
ENSG00000134470.15	IL15RA	123.9442506	0.683568152	0.165618486	4.127366261	3.66942E-05	0.000406526
ENSG00000167004.8	PDIA3	106.980689	0.483371806	0.117120665	4.127126537	3.67324E-05	0.000406588
ENSG00000189171.9	S100A13	105.3627216	0.380336066	0.092237402	4.123447307	3.73244E-05	0.000412774
ENSG00000259674.1	RP11-356M20.1	16.51954894	0.655408585	0.158945355	4.123483743	3.73185E-05	0.000412774
ENSG00000230067.3	HSPD1P6	5.730286653	0.797867226	0.193647977	4.120193968	3.78554E-05	0.000417718
ENSG00000158122.7	AAED1	82.56121085	0.455836272	0.110679682	4.118518087	3.81317E-05	0.0004202

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ENSG00000088756.8	ARHGAP28	89.11822982	0.590702926	0.144290792	4.093836606	4.24293E-05	0.000460836
ENSG00000211967.2	IGHV3-53	54.26957852	1.70897836	0.417519757	4.093167649	0.000042552	0.000461564
ENSG00000183508.4	FAM46C	1199.45571	0.596095699	0.145676449	4.091915347	4.27825E-05	0.000463458
ENSG00000087589.12	CASS4	33.87841774	0.821701502	0.200904195	4.090016646	4.31342E-05	0.000467065
ENSG00000131370.11	SH3BP5	173.8913502	0.569334901	0.139236249	4.088984755	4.33265E-05	0.00046874
ENSG00000111907.16	TPD52L1	62.84041394	0.583003329	0.142593431	4.088570736	4.34039E-05	0.000469373
ENSG00000042832.7	TG	11.00006479	0.935268845	0.228918257	4.085601807	4.39627E-05	0.000474592
ENSG00000125726.6	CD70	2.768032363	1.543703116	0.377919404	4.084741611	4.41259E-05	0.000476147
ENSG00000091106.14	NLRC4	39.24558814	0.695921906	0.170390486	4.084276787	4.42143E-05	0.000476894
ENSG00000121904.13	CSMD2	7.61152553	1.15095343	0.281834798	4.083787517	4.43075E-05	0.000477324
ENSG00000182481.4	KPNA2	431.1389583	0.614335942	0.150433683	4.083765881	4.43117E-05	0.000477324
ENSG00000152256.9	PDK1	581.8252227	0.61129926	0.149719221	4.082971161	4.44635E-05	0.000478752
ENSG00000128683.9	GAD1	2.431643608	2.846656264	0.697251358	4.082682997	4.45187E-05	0.000479139
ENSG00000106624.4	AEBP1	330.9017741	0.870308526	0.213194333	4.082231049	4.46054E-05	0.000479865
ENSG00000181143.11	MUC16	6.656628117	1.972218594	0.483172012	4.081814641	4.46854E-05	0.000480518
ENSG00000164045.7	CDC25A	75.9229674	0.580248884	0.142176641	4.081182953	4.48071E-05	0.000481618
ENSG00000183386.5	FHL3	21.29720439	0.719136385	0.176260616	4.079960703	4.50433E-05	0.00048374
ENSG00000137809.12	ITGA11	55.92631009	0.740726795	0.181586798	4.079188597	4.51932E-05	0.00048493
ENSG00000161944.12	ASGR2	3.732907776	1.218323489	0.298720067	4.078478895	4.53313E-05	0.000485852
ENSG00000103710.6	RASL12	48.8772218	0.63207054	0.155000753	4.077854643	4.54532E-05	0.000486881
ENSG0000011600.7	TYROBP	199.6905945	0.672393365	0.16489871	4.077614469	4.55001E-05	0.000486965
ENSG00000067445.16	TRO	23.35178951	0.659711287	0.161809567	4.077084562	4.56039E-05	0.000487866
ENSG00000124225.11	PMEPA1	254.0310477	0.540141922	0.132488339	4.076901615	4.56398E-05	0.00048804
ENSG00000179914.4	ITLN1	3662.11379	1.15150436	0.282538254	4.075569749	4.59018E-05	0.00049021
ENSG00000273320.1	RP11-22N19.2	4.12197238	1.431341792	0.351335846	4.073998736	4.62127E-05	0.000492474
ENSG00000102900.8	NUBP3	236.1774641	0.356201896	0.087446751	4.073357691	4.63402E-05	0.000493621
ENSG00000233966.1	UBE2SP1	24.91265227	0.685720721	0.168357299	4.073008563	4.64097E-05	0.00049415
ENSG00000137745.7	MMP13	1.885744455	2.716134802	0.667015111	4.072073871	4.65964E-05	0.000495714
ENSG00000177469.12	PTRF	553.4593519	0.65874248	0.161797053	4.0714121	0.000046729	0.000496912
ENSG00000161798.6	AQP5	2.575772786	4.732934357	1.162594022	4.071012123	4.68093E-05	0.000497342
ENSG00000106031.6	HOXA13	272.6120033	1.874577257	0.460535343	4.07043006	4.69264E-05	0.000498161
ENSG00000211961.2	IGHV1-45	2.166439938	4.297250143	1.055758704	4.070295729	4.69535E-05	0.000498235
ENSG00000188176.7	SMTNL2	2.72108663	1.279652048	0.314402294	4.070110399	4.69909E-05	0.00049842
ENSG00000266037.1	RN7SL3	1071.814918	0.838326315	0.206025814	4.069035326	4.72082E-05	0.000500085
ENSG00000108700.4	CCL8	68.02885239	1.231602756	0.302908071	4.065929148	4.78415E-05	0.000506148
ENSG00000153923.6	CLCA3P	2.745456706	2.237761961	0.550475995	4.065139953	4.80036E-05	0.000507648
ENSG00000137509.6	PRCP	437.6317927	0.38253956	0.094129915	4.06395311	4.82485E-05	0.000509804
ENSG00000094804.5	CDC6	125.1760575	0.592376878	0.14577853	4.063539934	0.000048334	0.000510163
ENSG00000105464.3	GRIN2D	7.309767109	1.449352985	0.356685367	4.063393451	4.83644E-05	0.000510163
ENSG00000138185.12	ENTPD1	506.1032315	0.603834606	0.148601738	4.063442407	4.83543E-05	0.000510163
ENSG00000232801.1	SDCBPP3	9.538331501	0.669915978	0.164858413	4.063583803	0.000048325	0.000510163
ENSG00000156127.6	BATF	29.72969814	1.137141165	0.279872664	4.063066219	4.84323E-05	0.000510662
ENSG00000123131.8	PRDX4	370.432981	0.589324612	0.145120589	4.060930413	4.88775E-05	0.000514485
ENSG00000148848.10	ADAM12	32.7138507	1.196842332	0.294748099	4.060559969	4.89552E-05	0.000515084
ENSG00000129667.8	RHBF2	126.2552875	0.833702305	0.20532983	4.060307768	4.90081E-05	0.000515423
ENSG00000157766.11	ACAN	4.094782131	1.965069567	0.484091144	4.059296666	4.92207E-05	0.000517005
ENSG00000174125.3	TLR1	212.235533	0.658663911	0.162267509	4.059123823	4.92572E-05	0.000517169
ENSG00000198909.3	MAP3K3	236.4490467	0.36807477	0.090684129	4.058866449	4.93115E-05	0.000517521
ENSG00000132274.11	TRIM22	735.2299503	0.826472791	0.20364913	4.058317321	4.94276E-05	0.000518521
ENSG00000135114.8	OASL	106.2740876	1.136634344	0.280184763	4.056731464	4.97642E-05	0.000521394
ENSG00000233013.4	FAM157B	0.659419094	4.110541004	1.013438063	4.056035741	4.99126E-05	0.000522508
ENSG00000249096.2	RP11-290F5.1	43.66717178	0.95613516	0.235866253	4.053717508	5.04101E-05	0.000526609
ENSG00000148082.5	SHC3	3.807843354	1.622355399	0.400238607	4.053470535	5.04634E-05	0.000526944
ENSG00000164171.6	ITGA2	915.2137261	0.639372854	0.157755773	4.052928404	5.05805E-05	0.000527503
ENSG00000241529.2	RN7SL767P	2.581385387	1.272504948	0.314265806	4.04913587	5.14071E-05	0.000534333
ENSG00000233276.2	GPX1	401.6151899	0.411481663	0.10168814	4.046505949	5.19878E-05	0.000539918
ENSG00000143870.8	PDIA6	2229.423691	0.426699972	0.105482613	4.04521616	5.22749E-05	0.000541995
ENSG00000126767.13	ELK1	136.7997407	0.27830467	0.068806776	4.04472768	0.000052384	0.000542675
ENSG00000118705.12	RPN2	1990.15792	0.39889658	0.098626041	4.044536068	5.24268E-05	0.000542893
ENSG00000175183.5	CSRP2	41.17375518	0.730872979	0.180745291	4.043662623	5.26226E-05	0.000544693
ENSG00000163053.6	SLC16A14	66.65758876	0.935056852	0.231308709	4.042462808	5.28927E-05	0.00054658
ENSG00000253522.2	MIR146A	32.32235543	0.945271654	0.233835114	4.042470948	5.28909E-05	0.00054658
ENSG00000135404.7	CD63	2116.046356	0.379377708	0.093867966	4.041609986	5.30855E-05	0.000548344
ENSG00000128016.4	ZFP36	664.834912	0.851902939	0.210808365	4.041124921	5.31954E-05	0.000549252
ENSG00000151718.11	WWC2	89.66478956	0.428454813	0.106045897	4.040277118	5.33881E-05	0.000550785
ENSG00000102760.12	RGCC	52.60699263	0.675402646	0.167172477	4.040154562	0.000053416	0.000550836
ENSG00000179104.4	TMT2C	223.008266	0.398390203	0.098609947	4.040061031	5.34373E-05	0.000550836
ENSG00000078081.3	LAMP3	93.63266439	1.177090779	0.29141922	4.039166601	5.36415E-05	0.000552483
ENSG00000233516.1	RP11-388N2.1	2.289652406	1.754865263	0.434525431	4.038578954	0.000053776	0.000553639
ENSG00000134830.3	CSAR2	9.341683657	1.082810372	0.268244728	4.03665108	5.42196E-05	0.000557055
ENSG00000137574.6	TGS1	295.5690427	0.201275908	0.049900174	4.033571246	5.49355E-05	0.000563348
ENSG00000159674.7	SPON2	153.0899723	0.66560295	0.165024535	4.033357532	5.49855E-05	0.00056376
ENSG00000185621.7	LMLN	67.8540236	0.276070403	0.068450724	4.033126138	5.50397E-05	0.000564083
ENSG00000165891.11	E2F7	42.88772807	0.711179095	0.176434766	4.030833101	5.55795E-05	0.000568913
ENSG00000138303.13	ASCC1	107.0356302	0.283363897	0.070339091	4.028540807	5.61241E-05	0.000574016
ENSG00000134910.8	STT3A	1174.222656	0.423049406	0.105022971	4.028160703	5.62149E-05	0.000574472
ENSG00000163754.13	GYG1	154.0830557	0.381212304	0.094655023	4.027385891	5.64004E-05	0.000575895
ENSG00000132003.5	ZSWIM4	28.35902158	0.643339649	0.159747579	4.027226272	5.64387E-05	0.00057605
ENSG00000151014.4	CCRN4L	48.57756561	0.781190302	0.194036478	4.025997122	5.67344E-05	0.000578356
ENSG00000119403.9	PHF19	142.4300001	0.410241908	0.101912144	4.025446742	5.68673E-05	0.000579473
ENSG00000124784.4	RIOK1	132.5759471	0.280011041	0.069562467	4.025317873	5.68984E-05	0.000579554
ENSG00000058085.10	LAMC2	690.9281555	0.606868657	0.150799148	4.024350709	5.71327E-05	0.000581702
ENSG00000122420.5	PTGFR	80.74124101	0.886958407	0.220420638	4.02393539	5.72336E-05	0.000582364
ENSG00000180447.5	GAS1	17.76295153	1.377665466	0.34241079	4.023428896	5.73569E-05	0.000583031
ENSG00000169744.8	LDB2	73.38021961	0.552537666	0.13733984	4.023141897	5.74269E-05	0.000583504
ENSG00000153789.8	FAM92B	2.009724523	1.693876212	0.421729597	4.016498306	5.90693E-05	0.000597735
ENSG00000092969.7	TGFB2	15.41932232	0.857029238	0.21347219	4.014711422	5.95186E-05	0.000601077
ENSG00000138821.8	SLC39A8	840.2707816	0.541206437	0.134827774	4.014057497	5.96838E-05	0.000602257
ENSG00000184575.7	XPOT	418.92419	0.291176154	0.07253758	4.014142128	5.96624E-05	0.000602257
ENSG00000075624.9	ACTB	21461.61342	0.423735153	0.105634385	4.011337335	6.03758E-05	0.000607516
ENSG00000100462.11	PRMT5	266.2890125	0.334507426	0.083405455	4.010618099	0.000060526	0.000609124
ENSG00000128594.3	LRR4C	9.782807019	1.096425865	0.273703874	4.005883614	6.17861E-05	0.000620168
ENSG00000229989.3	MIR181A1HG	20.06019004	0.850114237	0.212264077	4.004984016	6.20217E-05	0.000621815
ENSG00000120370.8	GORAB	137.4485522	0.254535432	0.063587951	4.002887798	0.000062574	0.000626848
ENSG00000126785.8	RHOJ	54.41600986	0.583551379	0.145813409	4.002041951	6.27982E-05	0.000628588
ENSG00000082805.15	ERC1	450.4609613	0.301694212	0.075397181	4.001399108	0.000062969	0.000629539
ENSG00000171310.6							

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ENSG00000117906.9	RCN2	305.5402717	0.220896129	0.055398388	3.987410749	6.67983E-05	0.000661447
ENSG00000134339.4	SA2	15.57533313	3.031631752	0.760407554	3.986851177	0.000066956	0.000662218
ENSG00000115604.6	IL18R1	103.6324498	0.656723569	0.164742605	3.986361454	6.70943E-05	0.000663322
ENSG00000134901.8	KDEL1	24.08361344	0.46720316	0.117219405	3.985715181	6.72772E-05	0.00066408
ENSG00000164970.10	FAM219A	67.69052339	0.428600531	0.107535943	3.985649085	6.72959E-05	0.00066408
ENSG00000260943.1	RP11-476D10.1	0.993694042	4.884204044	1.225693537	3.98484931	0.000067523	0.00066571
ENSG00000170581.9	STAT2	1055.073257	0.474503886	0.119197038	3.980836231	6.86733E-05	0.000675712
ENSG00000248166.1	AC008984.2	0.672612229	3.130826131	0.786497764	3.980718415	6.87073E-05	0.00067578
ENSG00000146070.12	PLA2G7	116.5371933	0.946736969	0.237842223	3.980525229	6.87632E-05	0.000676063
ENSG00000156587.11	UBE2L6	470.6682557	0.971241908	0.244042709	3.979803019	6.89724E-05	0.000677567
ENSG00000085662.9	AKR1B1	144.9559832	0.497240173	0.124997841	3.97799008	6.95003E-05	0.000681426
ENSG00000073712.9	FERMT2	269.0251126	0.560280865	0.140868865	3.977322223	6.96957E-05	0.000682962
ENSG00000161980.5	POLR3K	32.50078594	0.475222668	0.119484724	3.977267158	6.97118E-05	0.000682962
ENSG00000134853.7	PDGFRA	1293.077702	0.452394197	0.113766577	3.976512329	6.99334E-05	0.000684325
ENSG00000235831.2	BHLHE40-AS1	9.167225375	0.734860019	0.184837633	3.975705637	7.01709E-05	0.000686379
ENSG00000198937.8	CCDC167	41.14910484	0.567951001	0.14292432	3.973788368	7.07384E-05	0.000691116
ENSG00000107984.5	DKK1	4.059094675	1.572064219	0.395748175	3.972385268	7.11565E-05	0.000694655
ENSG00000171860.4	C3AR1	112.5300679	0.689779612	0.173698552	3.971130463	7.15324E-05	0.000697777
ENSG00000185275.6	CD24P4	293.2768324	0.830825928	0.209336362	3.968856246	7.22184E-05	0.000703367
ENSG00000211671.2	IGLV2-8	348.2095389	1.326519982	0.334343387	3.967537667	0.000072699	0.000706992
ENSG00000164430.11	MB21D1	120.0544849	0.595382265	0.150165669	3.964836101	7.34464E-05	0.000713733
ENSG00000172935.8	MRGPRF	52.64272285	0.867084193	0.218689879	3.964903166	7.34257E-05	0.000713733
ENSG00000018408.10	WWTR1	214.9974482	0.45740551	0.115371738	3.964623569	7.35119E-05	0.000714009
ENSG00000126778.7	SIX1	0.797850813	2.813566058	0.709690289	3.964498462	7.35504E-05	0.000714105
ENSG00000123728.5	RAP2C	396.6179847	0.244390279	0.061653124	3.96395616	7.37178E-05	0.000715451
ENSG00000187688.10	TRPV2	115.5169554	0.598780242	0.151129104	3.962044541	7.43107E-05	0.000719802
ENSG00000125347.9	IRF1	1283.319507	0.79454984	0.200600623	3.960854293	7.46821E-05	0.000722837
ENSG00000212719.6	C17orf51	33.1423653	0.501446474	0.126626075	3.960056987	7.49319E-05	0.000724973
ENSG00000120949.10	TNFRSF8	6.293545765	1.150395687	0.290554786	3.959307301	7.51675E-05	0.000726969
ENSG00000204482.6	LST1	73.50392873	0.656980639	0.165978403	3.958229674	7.55073E-05	0.000729973
ENSG00000102401.15	ARMCX3	403.9136188	0.302602577	0.076491698	3.956018567	7.62092E-05	0.000735901
ENSG00000054967.8	RELT	98.95013186	0.798260212	0.201844456	3.954828517	7.65896E-05	0.000739287
ENSG00000109625.14	CPZ	1.03657002	2.096564174	0.530243876	3.953962075	7.68678E-05	0.000741683
ENSG00000153234.9	NR4A2	68.7822307	1.310167459	0.33139074	3.953542755	7.70025E-05	0.000742409
ENSG00000101974.10	ATP11C	387.6933391	0.246317874	0.062318272	3.952578719	7.73135E-05	0.000745119
ENSG00000004660.10	CAMKK1	50.04021555	0.387933323	0.098236173	3.948986514	7.84828E-05	0.000754344
ENSG00000148516.17	ZEB1	319.8318523	0.488057382	0.123606393	3.948480084	0.000078649	0.000755649
ENSG00000188596.5	C12orf55	19.6123435	0.891043715	0.22568358	3.948199126	7.87413E-05	0.000756245
ENSG00000175832.8	ETV4	27.42191814	0.788249398	0.199688394	3.947397158	7.90054E-05	0.000758196
ENSG00000116285.8	ERRF1	435.6939331	0.621331661	0.157507896	3.944765165	7.98782E-05	0.000765687
ENSG00000150556.12	LYPD6B	12.50986204	1.320401035	0.334810031	3.94373201	8.02233E-05	0.000768107
ENSG00000267534.1	S1PR2	17.54888023	0.846048392	0.214547324	3.943411533	8.03306E-05	0.000768249
ENSG00000134697.8	GNL2	356.3874405	0.287873331	0.07302746	3.941987431	8.08092E-05	0.000771936
ENSG00000159261.6	CLDN14	1.541897303	1.989934694	0.504801952	3.942010693	8.08014E-05	0.000771936
ENSG00000169604.15	ANTXR1	398.8736896	0.536109689	0.136034096	3.940994965	8.11443E-05	0.000774332
ENSG00000201955.1	RNY3P1	9.044480304	0.916254944	0.232494881	3.940968253	8.11534E-05	0.000774332
ENSG00000058262.5	SEC61A1	2144.465484	0.352489971	0.089519589	3.937573623	8.23097E-05	0.000784463
ENSG00000037897.12	METTL1	25.09934839	0.589396818	0.14972202	3.936607455	8.26416E-05	0.000786935
ENSG00000175065.7	DSG4	4.165676015	1.056634471	0.268416865	3.936542776	8.26639E-05	0.000786935
ENSG00000234602.3	MCIDAS	0.791993636	2.464568759	0.626289399	3.935191565	8.31304E-05	0.000790771
ENSG00000240671.1	IGKV1-8	9.194485899	1.403169036	0.356769573	3.932984038	8.38978E-05	0.000797462
ENSG00000135074.11	ADAM19	372.3827686	0.803361062	0.204354961	3.931204103	8.45215E-05	0.000802777
ENSG00000151468.9	CCDC3	40.71495223	0.864139032	0.219911721	3.929481459	8.51292E-05	0.000807933
ENSG00000186188.6	FFAR4	167.0328221	0.889481604	0.226653997	3.924402907	8.69451E-05	0.000824224
ENSG00000197272.2	IL27	1.521819614	2.593843567	0.661033908	3.923919083	0.000087512	0.000825567
ENSG00000178033.5	FAM26E	48.03330488	0.558904292	0.142541683	3.920988457	8.81865E-05	0.000834583
ENSG00000219438.4	FAM19A5	8.812091782	0.909310658	0.231967988	3.919983382	8.85551E-05	0.000837572
ENSG00000170027.5	YWHAG	1001.938645	0.27556119	0.070305048	3.91950791	8.87299E-05	0.000838752
ENSG00000047849.17	MAP4	1170.0226	0.203721705	0.052052113	3.913802817	9.08538E-05	0.000857035
ENSG00000136560.9	TANK	468.2070748	0.289564633	0.074025988	3.911661856	9.16632E-05	0.000864342
ENSG00000204899.5	MZT1	109.8867651	0.365982991	0.093572871	3.911208322	9.18355E-05	0.000865639
ENSG00000004700.11	RECQL	365.7600487	0.398735431	0.101970954	3.91028441	9.21875E-05	0.0008683
ENSG00000256391.1	SDIM1	0.861365072	2.657900814	0.679704714	3.910375723	9.21527E-05	0.0008683
ENSG00000198604.6	BAZ1A	845.3968947	0.298285618	0.076290536	3.909863989	9.23481E-05	0.000869483
ENSG00000214049.6	UCA1	8.928830147	1.929890953	0.493699785	3.909037461	9.26646E-05	0.000872133
ENSG00000211638.2	IGLV8-61	178.2734256	2.104982046	0.53861571	3.908133402	9.30119E-05	0.000874741
ENSG00000158485.6	CD1B	2.360143093	1.730829489	0.443028292	3.9068148	9.35208E-05	0.000878641
ENSG00000267881.1	CEA	13.54213269	1.177757099	0.301545966	3.905729912	9.39414E-05	0.000882149
ENSG00000116288.8	PARK7	468.1381362	0.316359083	0.081011668	3.905105152	9.41844E-05	0.000884098
ENSG00000171444.13	MCC	199.1551334	0.512200846	0.131260447	3.902172047	9.53334E-05	0.000893199
ENSG00000110218.4	PANX1	164.0088407	0.388488379	0.099562774	3.901944092	9.54232E-05	0.000893405
ENSG00000063587.12	ZNF275	186.9326503	0.367229106	0.094120464	3.901692473	9.55225E-05	0.000893754
ENSG00000131669.5	NINJ1	166.1010817	0.503574205	0.129084289	3.901126998	9.57459E-05	0.000895043
ENSG00000254709.2	IGLL5	546.1716793	1.115237818	0.285981558	3.899684393	9.63182E-05	0.000899379
ENSG00000199347.1	RNU5E-1	56.90199502	0.958661353	0.246019262	3.896692256	9.75154E-05	0.000909535
ENSG00000118113.7	MMP8	0.930685871	3.852739582	0.98916112	3.894956549	9.82163E-05	0.000914702
ENSG00000146094.9	DOK3	79.96095491	0.996044322	0.255995748	3.890862761	9.98884E-05	0.000928884
ENSG00000149557.8	FEZ1	26.63923328	0.644064236	0.165610353	3.889033653	0.0000934864	0.000934864
ENSG00000115828.11	QPCT	64.55203362	0.669103609	0.172143013	3.886905406	0.00010153	0.000942041
ENSG00000126759.8	CFP	43.18765066	0.831510022	0.213935419	3.886733789	0.000101602	0.000942355
ENSG00000100365.10	NCF4	156.3607795	0.587915172	0.151373803	3.883863405	0.00010281	0.000952137
ENSG00000163486.8	SRGAP2	111.3059244	0.479624607	0.123533119	3.882558878	0.000103363	0.000956549
ENSG00000077585.9	GPR137B	105.3068049	0.524134259	0.135057088	3.880834885	0.000104099	0.000962998
ENSG00000074800.9	ENO1	4491.596684	0.401873749	0.103571344	3.880163483	0.000104386	0.000965302
ENSG00000172123.8	SLFN12	61.1614196	0.513988591	0.132469214	3.880060704	0.00010443	0.000965319
ENSG00000197872.7	FAM49A	126.3791904	0.677086068	0.174507686	3.879978487	0.000104466	0.000965319
ENSG00000185897.6	FFAR3	2.562781661	2.173579217	0.560337534	3.879053399	0.000104864	0.000968278
ENSG00000130816.10	DNMT1	483.428522	0.439554398	0.113319621	3.878890483	0.000104934	0.000968568
ENSG00000076043.5	REXO2	182.0767991	0.341649315	0.088146048	3.875945917	0.000106211	0.000978543
ENSG00000105948.9	TTC26	32.85950464	0.461543008	0.119116749	3.874711274	0.000106751	0.000983154
ENSG00000115204.10	MPV17	139.700292	0.230383874	0.059461977	3.874473859	0.000106855	0.000983385
ENSG00000143110.7	C1orf162	59.07555817	0.83605113	0.215805399	3.87409738	0.000107021	0.000984542
ENSG00000044574.7	HSPA5	1884.747372	0.651132587	0.168087066	3.873781617	0.000107159	0.000985399
ENSG00000089041.12	P2RX7	34.25067343	0.88434606	0.228294776	3.873702569	0.000107194	0.000985399
ENSG00000187024.9	PTRH1	22.8449709	0.560578441	0.144738467	3.873043932	0.000107484	0.00098735
ENSG00000248329.1	RP11-						

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ENSG00000163931.11	TKT	844.3009698	0.362041884	0.093876086	3.856593294	0.000114978	0.001046151
ENSG00000225614.2	ZNF469	34.82978459	0.776692152	0.201436646	3.855763921	0.000115369	0.001048554
ENSG00000241755.1	IGKV1-9	143.3837261	1.427714795	0.370266862	3.855907566	0.000115301	0.001048554
ENSG00000113070.6	HBEGF	161.2136851	1.090546142	0.282851348	3.855545151	0.000115472	0.00104911
ENSG00000106511.5	MEOX2	8.622263217	1.364450016	0.353911034	3.855347488	0.000115565	0.001049575
ENSG00000232810.3	TNF	44.48478737	0.991044455	0.257085463	3.854922196	0.000115766	0.001050634
ENSG00000155115.6	GTF3C6	158.0074151	0.368759302	0.09572943	3.852099645	0.000117109	0.001060502
ENSG00000173821.15	RNF213	5555.372035	0.627415399	0.16289358	3.851688938	0.000117306	0.001061896
ENSG00000144118.9	RALB	597.2799929	0.432417776	0.112286399	3.851025417	0.000117624	0.001064391
ENSG00000239855.1	IGKV1-6	39.64327687	1.347705649	0.350144627	3.848997086	0.000118602	0.001072852
ENSG00000180198.11	RCC1	217.8981554	0.3512446	0.091259931	3.84883703	0.00011868	0.001072949
ENSG00000108179.9	PPIF	317.3991893	0.445770857	0.115839879	3.848164051	0.000119006	0.001074554
ENSG00000110651.7	CD81	610.7679525	0.457949054	0.119048338	3.846748834	0.000119696	0.001079011
ENSG00000184220.6	CMSS1	56.19716783	0.381608491	0.099206007	3.846626847	0.000119755	0.001079011
ENSG00000234362.1	AC104654.2	0.589619007	2.186021114	0.568297084	3.846616808	0.00011976	0.001079011
ENSG00000184979.9	USP18	39.21708364	0.828442628	0.215418669	3.845732733	0.000120193	0.001082517
ENSG00000005001.5	PRSS22	11.75287073	1.647857258	0.428567731	3.845033443	0.000120536	0.001085216
ENSG00000237513.1	RP11-325F22.2	11.96547852	1.001268471	0.260449108	3.844392017	0.000120852	0.001087665
ENSG00000164949.3	GEM	145.7119529	0.850675891	0.221289847	3.844170458	0.000120961	0.001088255
ENSG00000138496.12	PARP9	839.8849271	0.748410435	0.194719324	3.843534484	0.000121275	0.001090398
ENSG00000172269.12	DPAGT1	185.3355012	0.341394669	0.088823659	3.843510547	0.000121287	0.001090398
ENSG00000184988.4	TMEM106A	102.4740769	0.470686162	0.122472935	3.843185129	0.000121448	0.001091058
ENSG00000204131.6	NHSL2	32.08814624	0.666894714	0.173526345	3.843190005	0.000121445	0.001091058
ENSG00000103202.8	NME4	94.29054319	0.443718021	0.115464785	3.842886148	0.000121596	0.001091994
ENSG00000162804.9	SNED1	148.6571785	0.623041084	0.162167267	3.841965731	0.000122053	0.001095308
ENSG00000120262.8	CCDC170	47.89715429	0.753061853	0.196014323	3.841871563	0.000122121	0.001095334
ENSG00000117395.6	EBNA1BP2	214.1754567	0.327556667	0.085270591	3.841379119	0.000122345	0.001097138
ENSG00000107937.14	GTBPB4	332.9067324	0.267009857	0.069516769	3.840941678	0.000122563	0.001098304
ENSG00000072401.10	UBE2D1	259.991266	0.385555472	0.100464552	3.837726495	0.000124179	0.001110382
ENSG00000158042.8	MRPL17	175.9932347	0.334974492	0.087304178	3.836866702	0.000124614	0.001113875
ENSG00000141314.8	RHBDL3	6.777067169	1.004348862	0.26179128	3.836448875	0.000124826	0.001114197
ENSG00000133131.10	MORC4	152.0084675	0.345470852	0.090058705	3.836062861	0.000125022	0.001115523
ENSG00000163393.8	SLC22A15	30.59995627	0.5187839	0.135236557	3.836121771	0.000124993	0.001115523
ENSG00000259856.1	RAB43P1	24.76725515	0.611393022	0.159374781	3.836196786	0.000124954	0.001115523
ENSG00000236452.1	AC123023.1	0.872940758	1.901761101	0.496130738	3.833185395	0.000126495	0.001127446
ENSG00000230006.3	ANKRD36BP2	386.4058073	1.028821511	0.268499182	3.831749151	0.000127235	0.001133643
ENSG0000015475.14	BID	202.2906272	0.366623895	0.095730416	3.829753483	0.000128272	0.001140427
ENSG00000203883.5	SOX18	13.25730683	0.909470268	0.237627409	3.827295309	0.000129559	0.001149409
ENSG00000207834.1	D86994.2	8.53406829	1.592215682	0.416210615	3.825504743	0.000130504	0.001156566
ENSG00000142684.7	ZNF593	46.16381471	0.418693364	0.109494958	3.823859744	0.000131379	0.001163479
ENSG00000101361.10	NOP56	432.1209194	0.343900463	0.09000284	3.820995702	0.000132914	0.001175403
ENSG00000075131.5	TIPIN	37.49457294	0.46693354	0.122304217	3.817804107	0.000134645	0.001188598
ENSG00000184445.7	KNTC1	495.9706395	0.32264349	0.084515736	3.81755525	0.000134781	0.001188954
ENSG00000111012.5	CYP27B1	12.13148738	1.074670626	0.281549573	3.816985454	0.000135092	0.001191189
ENSG00000198053.7	SIRPA	268.3895825	0.504719424	0.132232231	3.816916809	0.00013513	0.001191189
ENSG00000101447.9	FAM83D	96.0456267	0.690354977	0.180929987	3.815591805	0.000135857	0.001197176
ENSG00000261295.1	RP11-524D16__A.3	1.955606723	1.598522056	0.419189304	3.813365566	0.000137087	0.001207162
ENSG00000148541.8	FAM13C	58.40341893	0.616556245	0.161688063	3.813245301	0.000137154	0.001207323
ENSG00000153292.11	GPR110	31.24388149	1.72971038	0.453793348	3.811669753	0.000138031	0.001213758
ENSG00000152229.14	PSTPIP2	102.128678	0.806146093	0.211646109	3.808934145	0.000139567	0.001224237
ENSG00000130303.8	BST2	195.7636059	0.829485282	0.21778368	3.808757758	0.000139667	0.001224679
ENSG00000133874.1	RNF122	31.0144592	0.587541385	0.154271583	3.808487441	0.000139819	0.001225155
ENSG00000211968.2	IGHV1-58	9.847827997	2.10781097	0.553564091	3.807708994	0.00014026	0.001228585
ENSG00000176826.11	FKBP9L	6.325585491	0.908306287	0.238607207	3.806700971	0.000140833	0.001232733
ENSG00000213500.3	LAP3P2	13.71419879	1.095549446	0.287963921	3.804467735	0.000142109	0.001243033
ENSG00000272914.1	RP11-330O11.3	2.773535265	0.92592076	0.243394688	3.804194612	0.000142266	0.001243968
ENSG00000166562.4	SEC11C	412.0146263	0.449641685	0.118290279	3.801171894	0.000144013	0.001257919
ENSG00000049249.4	TNFRSF9	19.719295	1.403860337	0.369341975	3.800976962	0.000144127	0.001258467
ENSG00000110852.4	CLECS2B	110.3711163	0.57585799	0.151535204	3.800159806	0.000144603	0.001262182
ENSG00000167693.12	NXN	60.17466628	0.656070449	0.172712201	3.798634058	0.000145496	0.001268641
ENSG00000123685.4	BATF3	13.09878392	0.814016078	0.214313965	3.798240957	0.000145727	0.001269449
ENSG00000224367.2	OACYLP	0.804669051	2.621968836	0.690325467	3.798163273	0.000145772	0.001269449
ENSG00000099250.13	NRP1	647.4851491	0.412241372	0.108592524	3.796222404	0.000146918	0.001278354
ENSG00000123219.8	CENPK	88.71614444	0.476353643	0.125568372	3.793579819	0.000148491	0.001291139
ENSG00000239713.3	APOBEC3G	110.1731497	0.721302745	0.190175708	3.79282272	0.000148945	0.001294631
ENSG00000149798.3	CDC42EP2	82.38907795	0.59320481	0.156411871	3.792581769	0.000149089	0.001295436
ENSG00000186094.12	AGBL4	2.132581208	1.30040822	0.342953901	3.791787218	0.000149567	0.001299135
ENSG00000128262.4	POM121L9P	5.921669643	1.177772558	0.310798475	3.789505595	0.000150947	0.001308842
ENSG00000196154.7	S100A4	203.9094573	0.615978695	0.162563269	3.78916283	0.000151156	0.001309737
ENSG00000087263.12	OGFOD1	255.0514291	0.285201769	0.07528704	3.788192071	0.000151748	0.001313949
ENSG00000212747.3	FAM127C	13.97387406	0.58121601	0.153436715	3.787985223	0.000151874	0.001314586
ENSG00000072864.8	NDE1	165.8752463	0.395461569	0.104430361	3.786844803	0.000152572	0.001319714
ENSG00000060656.15	PTPRU	20.31628103	0.988488507	0.261056683	3.786489956	0.00015279	0.001320508
ENSG00000033170.12	FUT8	631.176047	0.415403748	0.109771334	3.784264357	0.000154164	0.001331168
ENSG00000109320.7	NFKB1	637.9154462	0.239246032	0.063220604	3.78430475	0.000154139	0.001331168
ENSG00000106628.6	POLD2	219.2206508	0.344110452	0.090951247	3.783460516	0.000154663	0.001333626
ENSG00000122970.11	IFT81	63.441461	0.421682559	0.111452883	3.783505166	0.000154635	0.001333626
ENSG00000137440.3	FGFBP1	81.09735304	1.153127074	0.304869482	3.782363079	0.000155337	0.001338187
ENSG00000206538.3	VGLL3	59.54544968	0.823723307	0.217780681	3.782352521	0.000155353	0.001338187
ENSG00000204301.5	NOTCH4	62.94894331	0.635428533	0.16802273	3.781801036	0.000155698	0.001340692
ENSG00000140464.15	PML	302.968985	0.656850762	0.173755174	3.780323463	0.000156625	0.001347742
ENSG00000304063.9	UHRF1	51.14910177	0.653013577	0.172751162	3.780082112	0.000156777	0.001348117
ENSG00000255248.2	RP11-166D19.1	58.91243436	0.916933446	0.242642904	3.778941948	0.000157496	0.001353369
ENSG00000197956.5	S100A6	4837.743393	0.509698548	0.134885876	3.778739215	0.000157624	0.001354003
ENSG00000156802.8	ATAD2	371.6431916	0.390636866	0.103391697	3.778222806	0.000157952	0.001355878
ENSG00000135148.7	TRAFD1	327.5350783	0.489498916	0.1295675	3.77794522	0.000158128	0.001356922
ENSG00000235649.2	MXRA5P1	3.955312256	1.206025855	0.319286367	3.777254463	0.000158567	0.00136022
ENSG00000102048.11	ASB9	11.01577379	0.621822529	0.164704625	3.775379901	0.000159764	0.001368605
ENSG00000137699.12	TRIM29	39.00205232	1.395803087	0.369759722	3.774892192	0.000160077	0.001370813
ENSG00000061273.13	HDAC7	197.8323209	0.677139168	0.17942654	3.77390752	0.00016071	0.001375292
ENSG00000258399.2	MEG8	6.566464214	0.8264389	0.219034788	3.773094256	0.000161235	0.00137931
ENSG00000105509.6	HAS1	2.965998989	3.403558581	0.902181858	3.772585928	0.000161564	0.00138165
ENSG00000123700.4	KCNJ2	268.9640772	0.794336698	0.210623688	3.771355002	0.000162364	0.001387531
ENSG00000260078.3	RP11-44F14.1	2.870509491	1.603590114	0.425253931	3.770900154	0.000162666	0.001389585
ENSG00000102524.7	TNFSF13B	153.2982334	0.85785617	0.227624245	3.768738118	0.0001	

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ENSG00000147224.6	PRPS1	96.35674216	0.432376609	0.115485247	3.743998657	0.000181115	0.00152063
ENSG00000269071.1	AC138517.1	6.441294877	0.922874142	0.246770148	3.739812739	0.000184157	0.001543655
ENSG00000132746.10	ALDH3B2	1.061471946	2.208404336	0.590558342	3.739519332	0.000184373	0.001544682
ENSG00000116260.12	QSOX1	1330.091476	0.533849481	0.142799551	3.738453507	0.000185156	0.001549854
ENSG00000071462.7	WBSCR22	179.6375618	0.268140773	0.071757023	3.736787854	0.000186386	0.001559628
ENSG00000155099.3	TMEM55A	54.92735575	0.506639114	0.135629933	3.735452057	0.000187378	0.001566878
ENSG00000075702.12	WDR62	29.84404969	0.72343438	0.193711767	3.734591813	0.00018802	0.001571187
ENSG00000183831.6	ANKRD45	2.613733727	1.873798623	0.501730578	3.73467097	0.000187961	0.001571187
ENSG00000111711.5	GOLT1B	399.8381861	0.40734203	0.10907819	3.734404023	0.00018816	0.001571833
ENSG00000167851.9	CD300A	115.6561953	0.607998803	0.162925439	3.731761015	0.000190146	0.001586291
ENSG00000166592.7	RRAD	12.26195379	0.745283346	0.199754463	3.730997213	0.000190723	0.00158951
ENSG00000185022.7	MAFF	117.7104569	0.794752124	0.213058666	3.730203235	0.000191325	0.001593994
ENSG00000109079.5	TNFAIP1	348.0339065	0.264646808	0.070953425	3.729866586	0.000191581	0.001595591
ENSG00000091129.15	NRCAM	30.78267175	1.041218654	0.279185758	3.72948341	0.000191873	0.001596501
ENSG00000244038.5	DDOST	1435.662125	0.293876743	0.078798379	3.729477011	0.000191878	0.001596501
ENSG00000206075.9	SERPINB5	367.5901065	1.166467484	0.312865997	3.728329362	0.000192753	0.001602811
ENSG00000244682.3	FCGR2C	42.61177091	0.89709071	0.240645448	3.727852402	0.000193118	0.001604636
ENSG00000134686.12	PHC2	373.6360495	0.326916249	0.087751185	3.72549098	0.000194935	0.001616563
ENSG00000198729.4	PPP1R14C	100.4211311	0.822107737	0.220664136	3.72560649	0.000194846	0.001616563
ENSG00000223749.3	MIR503HG	3.019002819	1.075703962	0.288800738	3.724727189	0.000195527	0.001620859
ENSG00000006125.12	AP2B1	1597.19643	0.327796774	0.08801766	3.724215957	0.000195923	0.001623528
ENSG00000213886.3	UBD	93.22044142	1.797507438	0.482663249	3.724143994	0.000195979	0.001623528
ENSG00000136630.11	HLX	31.46258993	0.799637472	0.214762477	3.723357459	0.000196591	0.001628055
ENSG00000128294.11	TPST2	147.0515085	0.405592362	0.108984029	3.72157613	0.000197983	0.00163904
ENSG00000048991.12	R3HDM1	201.1558367	0.278451356	0.074831432	3.721048077	0.000198398	0.001640391
ENSG00000137710.10	RDX	289.6729832	0.461932484	0.124138559	3.721103955	0.000198354	0.001640391
ENSG00000091831.17	ESR1	15.22755242	0.786919515	0.21161067	3.718713786	0.00020024	0.001652775
ENSG00000035862.8	TIMP2	744.5676425	0.438299375	0.117913121	3.717138269	0.000201492	0.00166201
ENSG00000161091.8	MFSD12	203.2611211	0.429629156	0.115597919	3.716582093	0.000201936	0.001664568
ENSG00000203995.5	ZYG11A	3.397305886	1.448193317	0.389652296	3.716629754	0.000201898	0.001664568
ENSG00000198792.8	TMEM184B	248.1604745	0.419141236	0.11278692	3.716222011	0.000202224	0.001666389
ENSG00000135334.8	AKIRIN2	101.0955807	0.425849894	0.114597784	3.716039519	0.00020237	0.001667041
ENSG00000234389.1	AC007278.3	3.03906108	1.251668304	0.336978309	3.71438834	0.000203696	0.001676853
ENSG00000169756.12	LIMS1	520.0458439	0.307829116	0.082885708	3.71389864	0.000204091	0.001679547
ENSG00000182827.8	ACBD3	696.0960191	0.324134674	0.087286491	3.713457509	0.000204447	0.001681923
ENSG00000163083.5	INHBB	8.187483705	1.035100726	0.278808134	3.71259157	0.000205148	0.001686262
ENSG00000213406.3	ANXA2P1	24.0018673	0.60855508	0.163921822	3.712471422	0.000205245	0.001686262
ENSG00000111700.8	SLCO1B3	5.711327099	3.413598143	0.919831127	3.711113967	0.000206349	0.001693872
ENSG000000011201.6	KAL1	25.87656053	0.748683919	0.201844247	3.709216033	0.000207902	0.001704153
ENSG00000161649.8	CD300LG	1.640633327	1.497852401	0.403817117	3.709234545	0.000207887	0.001704153
ENSG00000169071.10	ROR2	44.89563978	0.673801968	0.181665915	3.709017002	0.000208066	0.001704931
ENSG00000131386.13	GALNT15	32.79568547	1.164489078	0.314098388	3.707402279	0.000209396	0.001713579
ENSG00000131019.6	ULBP3	3.563507745	0.995961989	0.268718085	3.70634522	0.000210272	0.001720178
ENSG00000108771.8	DHX58	95.20932034	0.428655471	0.115675571	3.705669825	0.000210833	0.001723947
ENSG00000165271.12	NOL6	222.7350002	0.376677831	0.101650309	3.705624079	0.000210871	0.001723947
ENSG00000120725.8	SIL1	216.722743	0.430866667	0.116293799	3.704984011	0.000211404	0.001726605
ENSG00000146242.5	TPBG	130.4617186	0.406097081	0.10963568	3.704059501	0.000212177	0.001731777
ENSG00000212743.1	DKFZP667F0711	4.753707114	0.892107918	0.240886357	3.703438949	0.000212696	0.001735452
ENSG00000206337.6	HCP5	610.8761633	0.453920743	0.122591145	3.702711255	0.000213308	0.001738729
ENSG00000185989.9	RASA3	156.9601558	0.576746763	0.1558367	3.700968793	0.000214778	0.001749568
ENSG00000064886.9	CHI3L2	50.52696908	1.269734509	0.343168969	3.700027173	0.000215576	0.001754924
ENSG00000137692.7	DCUN1D5	86.06514851	0.353965572	0.095668677	3.699910817	0.000215675	0.001755155
ENSG00000102226.5	USP11	147.3257509	0.36154449	0.097739749	3.699052797	0.000216406	0.001759948
ENSG00000108829.9	LRRC59	1246.615892	0.397658963	0.107547712	3.697512083	0.000217723	0.001770083
ENSG00000142173.10	COL6A2	1898.114368	0.760087355	0.205572733	3.697413287	0.000217808	0.001770193
ENSG00000223806.3	LINC00114	4.274317068	1.134766101	0.306919253	3.697278981	0.000217923	0.001770552
ENSG00000211650.2	IGLV5-45	61.31145642	1.267331567	0.342784595	3.697166054	0.00021802	0.001770761
ENSG00000169710.6	FASN	496.1914905	0.73771994	0.199552618	3.696869263	0.000218275	0.001771676
ENSG00000103042.4	SLC38A7	89.55253897	0.284650029	0.077017823	3.69589813	0.000219111	0.001777304
ENSG00000105538.4	RASIP1	26.5221359	0.665399515	0.18004742	3.695690363	0.00021929	0.001778178
ENSG00000144554.6	FANCD2	202.2752755	0.375412102	0.101583408	3.695604514	0.000219364	0.0017782
ENSG00000239264.4	TXNDC5	203.9137064	0.548254539	0.148375337	3.695051695	0.000219842	0.001780914
ENSG00000181381.9	DDX60L	727.4078903	0.447526417	0.121125684	3.694727691	0.000220123	0.001782026
ENSG00000102837.6	OLFM4	19718.08488	1.654523419	0.447837183	3.694475315	0.000220341	0.001783217
ENSG00000173950.11	XXYL1	65.27621935	0.344062248	0.093161134	3.693195157	0.000221454	0.001790476
ENSG0000006788.8	MYH13	3.573324116	1.330584131	0.360295185	3.69303889	0.00022159	0.001790995
ENSG00000139370.6	SLC15A4	169.6619944	0.330720784	0.089588296	3.691562377	0.000222881	0.001799394
ENSG00000198892.6	SHISA4	9.346493361	0.625143696	0.169383046	3.690709967	0.000223629	0.001803376
ENSG00000108883.8	EFTUD2	545.5252047	0.210403452	0.057046284	3.688293714	0.000225763	0.00181764
ENSG00000160326.9	SLC2A6	45.26527762	1.008832617	0.273535811	3.68811898	0.000225918	0.00181813
ENSG00000173275.8	ZNF449	75.18706207	0.290682954	0.078850016	3.686530041	0.000227333	0.001827323
ENSG00000131037.10	EPS8L1	110.062928	0.870993898	0.236272099	3.686401834	0.000227447	0.001827653
ENSG00000140749.7	IGSF6	123.6261959	0.707616588	0.191967008	3.686136472	0.000227684	0.001828968
ENSG00000196968.6	FUT11	132.8795401	0.37817481	0.102634261	3.684683917	0.000228987	0.001838244
ENSG00000101084.12	C20orf24	190.9060131	0.449226416	0.121941673	3.683945007	0.000229652	0.001842395
ENSG00000103064.9	SLC7A6	320.6715455	0.384631969	0.104460491	3.682080791	0.000231338	0.001854131
ENSG00000136026.9	CKAP4	606.1504361	0.488845878	0.132761953	3.682123284	0.0002313	0.001854131
ENSG00000162511.7	LAPTM5	1062.065047	0.652433463	0.177225195	3.681380986	0.000231974	0.00185863
ENSG0000042493.11	CAPG	369.379087	0.503744151	0.136848674	3.681030562	0.000232293	0.001860588
ENSG00000153714.5	LURAP1L	110.8867477	0.374485146	0.101754961	3.680264248	0.000232992	0.001865588
ENSG000000031081.6	ARHGAP31	372.9290304	0.368155025	0.100062054	3.679267117	0.000233905	0.001871091
ENSG00000134001.8	EIF2S1	567.5235322	0.28499099	0.077468511	3.678797852	0.000234336	0.001873935
ENSG000000003137.4	CYP26B1	31.49820901	0.974968374	0.265134067	3.677265558	0.000235748	0.001882804
ENSG00000159147.13	DONSON	78.9583415	0.345480529	0.094055563	3.673153593	0.000239575	0.001910311
ENSG00000091622.11	PITPNM3	130.3844448	0.495737316	0.134969707	3.672952455	0.000239764	0.001911203
ENSG00000203697.7	CAPN8	191.6622118	0.777873942	0.211793373	3.672796416	0.000239911	0.001911626
ENSG00000112699.6	GMD5	552.2447164	0.565346592	0.153952616	3.672211675	0.00024046	0.001914302
ENSG00000162078.7	ZG16B	118.478392	0.768572172	0.209290917	3.672267202	0.000240408	0.001914302
ENSG00000105131.3	EPHX3	1.537626255	1.881442419	0.512429967	3.671608882	0.000241028	0.00191821
ENSG00000224083.1	RP11-39K24.4	10.10440219	0.754927549	0.20565418	3.670859259	0.000241736	0.001922081
ENSG00000007933.8	FMO3	10.20349804	1.535226851	0.418666251	3.666946758	0.000245464	0.001947905
ENSG00000116489.8	CAPZA1	1783.827125	0.344671791	0.094003189	3.666596793	0.0002458	0.00194995
ENSG00000115415.14	STAT1	2357.811908	0.92222744	0.251613329	3.665256695	0.000247091	0.001957071
ENSG00000163485.11	ADORA1	8.136205065	0.76006528	0.192616723	3.665343889	0.000247006	0.001957071
ENSG00000168872.11	DDX19A	198.9175717	0.21550225	0.058793183	3.665429189	0.000246924	0.001957071
ENSG00000136167.9							

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ENSG00000200314.1	Y_RNA	5.039909507	0.758162611	0.207433148	3.654973275	0.000257209	0.002021135
ENSG00000116106.7	EPHA4	155.3181799	0.383009192	0.104805558	3.654474044	0.000257771	0.002024171
ENSG00000224287.2	MSL3P1	33.88554225	0.365676762	0.10006407	3.654426216	0.000257758	0.002024171
ENSG00000127423.6	AUNIP	13.4007052	0.77459448	0.211995964	3.653817098	0.00025837	0.002027702
ENSG00000136950.9	ARPC5L	166.3794299	0.325624289	0.089147614	3.652641659	0.000259556	0.002035085
ENSG00000232894.1	MRPS31P2	1.352376361	2.129253723	0.583137818	3.651373067	0.000260842	0.002043878
ENSG00000008086.6	CDKL5	45.09150824	0.366472896	0.100407747	3.649846812	0.000262397	0.002053869
ENSG00000124772.7	CPNE5	76.8023139	0.88673279	0.242987994	3.649286431	0.00026297	0.002057313
ENSG00000155755.14	TMEM237	52.4210186	0.430614725	0.118012262	3.648898168	0.000263368	0.002059777
ENSG00000211652.2	IGLV7-43	37.28096445	1.278346816	0.350434285	3.647893121	0.0002644	0.00206655
ENSG00000074590.9	NUAK1	77.3112751	0.4881281	0.133818434	3.647689518	0.000264609	0.002067064
ENSG00000269952.1	RP11-324I22.3	1.21711421	1.804043115	0.494882989	3.645393266	0.000266983	0.002082168
ENSG00000164604.8	GPR85	6.273003067	0.98090482	0.269090325	3.645262317	0.000267119	0.002082576
ENSG00000175899.10	A2M	5159.862621	0.469681668	0.128915585	3.643327274	0.000269136	0.002097645
ENSG00000169122.7	FAM110B	16.19979316	0.60023908	0.164772082	3.64284455	0.000269642	0.002100927
ENSG00000143603.14	KCNN3	97.56960305	0.699402318	0.192262905	3.637739261	0.000275042	0.00214099
ENSG00000236480.1	PKMP1	6.243267316	0.810472763	0.222820138	3.637340724	0.000275467	0.002143634
ENSG00000140575.8	IQGAP1	4911.791183	0.235597059	0.064796011	3.635980899	0.000276925	0.002154302
ENSG00000156140.4	ADAMTS3	10.94458788	0.719666201	0.19799829	3.634709175	0.000278294	0.002162254
ENSG00000106992.13	AK1	55.23553871	0.801099969	0.220477716	3.633473642	0.000279631	0.002171283
ENSG00000182534.9	MXRA7	171.624409	0.484754796	0.133442466	3.632687632	0.000280485	0.002176553
ENSG00000223960.2	AC009948.5	38.68960313	0.500834486	0.137974305	3.629911269	0.000283519	0.002196674
ENSG00000202354.1	RNY3	6.246216249	0.909797866	0.250732737	3.628556359	0.000285011	0.002207546
ENSG00000139625.8	MAP3K12	61.19758331	0.568017467	0.156546227	3.628432803	0.000285147	0.002207915
ENSG00000196584.2	XRCC2	52.82658987	0.449080143	0.123799901	3.627467719	0.000286215	0.002214804
ENSG00000122877.9	EGR2	41.41400667	1.287794543	0.355025225	3.627332512	0.000286364	0.002215275
ENSG00000070404.5	FSTL3	49.11924054	0.831998833	0.229412534	3.626649418	0.000287123	0.002219762
ENSG00000117899.6	MESDC2	461.988435	0.191558318	0.052842733	3.62506454	0.000288889	0.00223134
ENSG00000270933.1	CTD-222E11.1	14.94645562	0.615141543	0.169717723	3.624497981	0.000289523	0.002234636
ENSG00000271811.1	RP1-79C4.4	2.023434008	1.623969105	0.448060367	3.62444265	0.000290585	0.002234636
ENSG00000154328.11	NEIL2	44.95195541	0.396517531	0.109455913	3.622623221	0.000291631	0.002247631
ENSG00000130513.6	GDF15	70.28861793	1.006663808	0.277970488	3.62147728	0.000292926	0.002256914
ENSG00000179593.11	ALOX15B	9.317978074	1.320832811	0.364900401	3.619707756	0.000294936	0.002270295
ENSG00000158050.4	DUSP2	38.87918307	1.208001364	0.333940255	3.617417623	0.000297557	0.002288348
ENSG00000257221.1	RP11-689B22.2	3.300545758	1.31583882	0.363772567	3.617201898	0.000297805	0.002289548
ENSG00000227115.2	RP11-267C16.1	0.64096527	3.988103568	1.102658923	3.616806146	0.000298261	0.002292342
ENSG00000140853.11	NLRC5	726.2135724	0.687752415	0.19018349	3.616257198	0.000298893	0.002296498
ENSG00000256540.1	RP11-598F7.6	0.75076933	2.069002069	0.57222114	3.615738607	0.000299493	0.002298972
ENSG00000115598.5	IL1RL2	6.397386837	0.776987394	0.214934439	3.614997199	0.000300351	0.002304347
ENSG00000131355.10	EMR3	29.90069053	1.077494968	0.298290721	3.612230924	0.000303574	0.002324718
ENSG00000162512.11	SDC3	354.5808438	0.549557573	0.1521387	3.612214208	0.000303594	0.002324718
ENSG00000090863.7	GLG1	1381.401371	0.182054022	0.050406981	3.611682676	0.000304217	0.002328773
ENSG00000211964.2	IGHV3-48	178.0709209	1.194739411	0.330855725	3.611058602	0.00030495	0.002333667
ENSG00000161714.7	PLCD3	444.9785028	0.556771918	0.15419435	3.610845123	0.000305201	0.002334871
ENSG00000132958.13	TPTE2	2.058665955	1.525879206	0.422615225	3.61056374	0.000305532	0.00233597
ENSG00000110911.10	SLC11A2	476.0293002	0.356340134	0.098705937	3.610118556	0.000306057	0.002339265
ENSG00000120709.6	FAM53C	235.8140866	0.222395232	0.061612072	3.609604814	0.000306664	0.002342579
ENSG00000069482.6	GAL	1.822887041	2.215698639	0.613995108	3.608658455	0.000307785	0.002349582
ENSG00000108654.7	DDX5	4086.960106	0.25391003	0.070422992	3.605499029	0.000311554	0.002373987
ENSG00000173193.9	PARP14	3372.358138	0.541803854	0.150295278	3.604929324	0.000312238	0.002378074
ENSG00000143297.14	FCRL5	296.0285982	1.295074637	0.359394659	3.603488824	0.000313974	0.002389135
ENSG00000160285.10	LSS	332.2835068	0.492476747	0.136672418	3.603336756	0.000314158	0.002389135
ENSG00000188133.5	TMEM215	1.978834813	1.565755032	0.434529125	3.603337368	0.000314157	0.002389135
ENSG00000159110.15	IFNAR2	197.4763469	0.446761248	0.124023812	3.602221538	0.000315509	0.002396728
ENSG00000261997.1	RP11-212I21.4	17.28500475	0.603340353	0.167510671	3.601802503	0.000316018	0.002399929
ENSG00000110944.4	IL23A	5.042250412	1.589385609	0.441334453	3.601317776	0.000316608	0.002403674
ENSG00000090520.6	DNAJB11	654.471062	0.366445285	0.101765323	3.600885584	0.000317135	0.00240694
ENSG00000168610.10	STAT3	2479.967345	0.37701538	0.104734499	3.599724855	0.000318554	0.002416972
ENSG00000134375.6	TIMM17A	349.4449038	0.320462585	0.08902982	3.599497182	0.000318833	0.002418352
ENSG00000213190.2	MLLT11	8.268699537	0.77982055	0.216669092	3.599131486	0.000319282	0.002421017
ENSG00000240382.1	IGKV1-17	85.68532726	1.499690268	0.416838784	3.597770472	0.000320957	0.002431496
ENSG00000111231.4	GNP3	65.53460248	0.29543155	0.08214971	3.596257995	0.000322828	0.002442696
ENSG00000197977.3	ELOVL2	4.775294831	1.274224175	0.354335126	3.596098955	0.000323025	0.002443447
ENSG00000164332.6	UBLCP1	251.5061537	0.332724998	0.092536766	3.595597868	0.000323647	0.002447412
ENSG00000065600.8	TMEM206	46.95821776	0.49244681	0.137092263	3.592083155	0.000328045	0.002476115
ENSG00000196369.6	SRGAP2B	29.86216969	0.463116901	0.128929797	3.592008312	0.000328139	0.002476115
ENSG00000105556.6	MIER2	61.2113958	0.428199582	0.119214847	3.591830997	0.000328363	0.002476299
ENSG00000106852.11	LHX6	15.99604874	0.796377626	0.221783209	3.590793147	0.000329673	0.002484676
ENSG00000092607.9	TBX15	1.534480409	2.014955981	0.561185679	3.5905335	0.000330002	0.002485648
ENSG00000249437.3	NAIP	55.25727816	0.574395933	0.159975043	3.590534663	0.000330033	0.002485648
ENSG00000078900.10	TP73	5.637885015	1.002105241	0.279166507	3.589632769	0.000331144	0.002493497
ENSG00000111252.6	SH2B3	405.117232	0.420429433	0.11714404	3.588995509	0.000331955	0.002497334
ENSG00000234130.2	RP13-88F20.1	14.09808025	0.529480519	0.147576758	3.587831362	0.00033344	0.002506992
ENSG00000104447.7	TRPS1	230.1070906	0.571843988	0.159411558	3.587217867	0.000334225	0.002512137
ENSG00000142347.12	MYO1F	259.179932	0.640992189	0.17882536	3.584459103	0.000337778	0.002534247
ENSG00000254166.1	RP11-255B23.4	0.632074578	2.448059287	0.682981761	3.584369931	0.000337893	0.002534349
ENSG00000225968.4	ELFN1	3.726231936	0.965887343	0.269593048	3.582760577	0.000339982	0.002547717
ENSG00000127124.9	HIVEP3	87.03033391	0.56230006	0.156966132	3.582301831	0.00034058	0.002551429
ENSG00000166750.5	SLFN5	738.9357997	0.591690769	0.165221855	3.581189476	0.000342034	0.002560776
ENSG00000111229.11	ARPC3	733.1936306	0.279205334	0.07797934	3.580503949	0.000342932	0.002566733
ENSG00000087586.13	AURKA	159.5378884	0.499751346	0.139579617	3.580403468	0.000343064	0.002566948
ENSG00000235531.5	RP11-383H13.1	23.32627049	0.589678617	0.16473495	3.57955988	0.000344173	0.002574475
ENSG00000223609.3	HBD	0.942681608	2.19859765	0.614485812	3.577946974	0.000346304	0.002588077
ENSG00000168807.12	SNTB2	678.2281136	0.228348391	0.063826272	3.57765517	0.00034669	0.002590189
ENSG00000166845.9	C18orf54	46.72972499	0.438738968	0.122719026	3.575150333	0.000350027	0.002611666
ENSG00000211669.2	IGLV3-10	54.6625164	1.52566172	0.426746185	3.575103359	0.00035009	0.002611666
ENSG00000146233.3	CYP39A1	33.54197142	0.587239087	0.164273756	3.574758992	0.000350551	0.002614322
ENSG00000109046.10	WSB1	1062.423557	0.274930715	0.076912727	3.574580261	0.00035079	0.002615325
ENSG00000135842.12	FAM129A	371.8465219	0.67190463	0.187991577	3.574120936	0.000351407	0.002617568
ENSG00000225205.1	AC093818.1	16.32395467	0.733080924	0.205125085	3.573823864	0.000351806	0.002618974
ENSG00000153012.7	LG12	26.83098169	1.279985552	0.358170463	3.573677017	0.000352003	0.002619661
ENSG00000121005.4	CRISPLD1	9.289977162	1.027090538	0.287505841	3.572416245	0.000353703	0.002631522
ENSG00000108688.7	CCL7	2.593427821	1.775183929	0.496959482	3.572089865	0.000354144	0.002634018
ENSG00000106415.8	GLCC1	197.532904	0.577036509	0.161553786	3.571791934	0.000354547	0.002636137
ENSG00000240024.1	LINC00888	22.5179008	0.467322968	0.130839651	3.571722837		

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ENSG00000189369.7	GSPT2	71.6761995	0.420982818	0.118271225	3.559469495	0.000371605	0.002736902
ENSG00000232450.1	RP4-730K3.3	2.20791494	1.161097489	0.326245979	3.558963368	0.000372322	0.00274137
ENSG00000243398.2	RN7SL141P	1.267610161	1.495278891	0.420183848	3.558630102	0.000372794	0.002744038
ENSG00000245648.1	RP11-277P12.20	5.380476281	0.939570676	0.264129687	3.557232389	0.000374783	0.00275623
ENSG00000155966.9	AFF2	26.01615767	1.331501346	0.37433884	3.556941477	0.000375198	0.002758468
ENSG00000119917.9	IFIT3	436.3165752	0.995936147	0.280025136	3.556595529	0.000375692	0.002761286
ENSG00000251442.1	RP11-792D21.2	9.163415212	0.71774138	0.201848624	3.555839847	0.000376774	0.002768418
ENSG00000120279.6	MYCT1	59.10322569	0.47226533	0.132836799	3.555229674	0.000377649	0.002772362
ENSG00000171223.4	JUNB	821.6337495	0.770240997	0.216660367	3.55506181	0.00037789	0.002772532
ENSG00000146457.10	WTAP	645.6374902	0.220619982	0.062085358	3.553494563	0.000380149	0.002787461
ENSG00000157693.10	C9orf91	121.8984358	0.387406968	0.109028156	3.553274519	0.000380467	0.002788152
ENSG00000100078.3	PLA2G3	5.396095234	2.654203317	0.74701093	3.553098369	0.000380722	0.002789198
ENSG00000112655.11	PTK7	184.8901506	0.445533865	0.125436973	3.551854411	0.000382527	0.002800769
ENSG00000109321.6	AREG	1.57535046	1.536920233	0.432773882	3.551323909	0.000383298	0.002804771
ENSG00000121211.3	MND1	16.74487283	0.460826425	0.129792709	3.550480062	0.000384529	0.002812951
ENSG00000144655.10	CSRNP1	215.2529085	0.607625381	0.171156024	3.550125601	0.000385047	0.002815914
ENSG00000118418.10	HMG3	208.5274328	0.284976154	0.080285283	3.549544099	0.000385899	0.002820483
ENSG00000144401.10	METTL21A	96.95202198	0.344335489	0.097030737	3.548725883	0.0003871	0.002828431
ENSG00000065923.5	SLC9A7	61.38484509	0.756792207	0.213365081	3.546935627	0.00038974	0.002842714
ENSG00000254612.2	RP11-676M6.1	125.2613985	0.242323087	0.068317087	3.547034852	0.000389593	0.002842714
ENSG00000187079.10	TEAD1	637.3761332	0.27116748	0.076473046	3.545922317	0.000391242	0.002851161
ENSG00000198700.5	IPO9	434.1260038	0.177313468	0.050023155	3.54462781	0.000393168	0.002862685
ENSG00000212588.1	SNORA26	14.58853612	0.799237793	0.225524223	3.543911077	0.000394238	0.00286688
ENSG00000157617.12	C2CD2	235.6933104	0.284433693	0.080269157	3.54349919	0.000394855	0.002872446
ENSG00000086189.5	DIMT1	103.0051455	0.313737257	0.088543461	3.543313696	0.000395132	0.002873203
ENSG00000135899.12	SP110	305.9479483	0.519226116	0.146600168	3.541783922	0.000397431	0.00288697
ENSG00000254098.1	IGKV2-26	0.887766385	2.111647969	0.596502782	3.540047143	0.000400056	0.002903494
ENSG00000010539.7	ZNF200	114.1315473	0.256848042	0.072568932	3.539366446	0.000401089	0.002909295
ENSG00000076685.14	NT5C2	657.2857641	0.287293224	0.081177613	3.539069606	0.00040154	0.002910872
ENSG00000175054.10	ATR	587.2936012	0.271252012	0.076673035	3.537775861	0.000403512	0.002924232
ENSG00000102316.12	MAGED2	504.9003743	0.230322893	0.065124953	3.536630487	0.000405266	0.002935321
ENSG00000265078.1	RN7SL664P	1.274796489	1.473814086	0.416793037	3.536081356	0.00040611	0.002940574
ENSG00000151746.9	BICD1	76.01387608	0.58229268	0.164712216	3.535212479	0.000407447	0.002948545
ENSG00000177337.3	DLGAP1-AS1	40.07454847	0.476954134	0.134936116	3.534666237	0.000408291	0.002953788
ENSG00000163599.10	CTLA4	25.96702722	1.271165657	0.359807988	3.532900048	0.000411028	0.002971001
ENSG00000108622.6	ICAM2	105.6825113	0.592958992	0.167853176	3.532605134	0.000411487	0.002973453
ENSG00000161647.14	MPP3	12.3893672	0.667484918	0.189013496	3.531414065	0.000413344	0.002984278
ENSG00000225101.3	OR52K3P	0.925472052	2.55682692	0.724134838	3.530871305	0.000414193	0.002989541
ENSG00000096996.11	IL12RB1	72.61744441	0.647584427	0.183462324	3.529795173	0.000415882	0.002996514
ENSG00000136997.10	MYC	254.6861142	0.454112307	0.128676162	3.529109822	0.00041696	0.003002547
ENSG00000039560.9	RAI14	251.4328782	0.437380648	0.123942381	3.528903058	0.000417286	0.003004025
ENSG00000131788.11	PIAS3	97.46188482	0.253561353	0.071859201	3.52858577	0.000417787	0.003006759
ENSG00000104267.5	CA2	3550.915371	0.831273006	0.235588527	3.528495282	0.000417929	0.003006918
ENSG00000162139.5	NEU3	86.1816039	0.303390382	0.085992005	3.528123144	0.000418517	0.003010278
ENSG0000010818.4	HIVEP2	576.6649884	0.350511777	0.099407528	3.526008387	0.000421874	0.003029167
ENSG00000170458.9	CD14	296.3047718	0.553398821	0.156971215	3.525479625	0.000422717	0.00303179
ENSG00000188404.4	SELL	216.9008272	1.41497961	0.40135871	3.525473781	0.000422726	0.003033179
ENSG00000198844.6	ARHGEF15	28.09039108	0.581207613	0.164854307	3.525583434	0.000422551	0.00303179
ENSG00000109956.8	B3GAT1	4.323289934	1.166289042	0.330863674	3.524980631	0.000423514	0.00303569
ENSG00000072694.14	FCGR2B	50.72088369	1.038591902	0.294662737	3.524680162	0.000423994	0.003038063
ENSG00000164520.7	RAET1E	2.654386165	1.378050937	0.390978461	3.524621107	0.000424089	0.003038063
ENSG00000128590.4	DNAJB9	453.6923694	0.437260527	0.124081718	3.523972233	0.000425129	0.003043761
ENSG00000234883.2	MIR155HG	33.551062	0.927592168	0.263416415	3.521390901	0.000429289	0.003065613
ENSG00000084110.6	HAL	8.721967002	0.954528352	0.271080163	3.521203249	0.000429593	0.003066904
ENSG00000010295.15	IFFO1	69.19683966	0.526439091	0.149541788	3.520347708	0.000430981	0.003075051
ENSG00000179218.9	CALR	6174.084982	0.445209158	0.12647102	3.520246443	0.000431146	0.003075343
ENSG00000204472.8	AIF1	186.7816202	0.494954426	0.140613508	3.51996357	0.000431606	0.003077743
ENSG00000135763.5	URB2	151.6102049	0.345885665	0.098278084	3.519458782	0.000432428	0.003082723
ENSG00000173898.7	SPTBN2	59.15391696	0.76845885	0.218451322	3.517757838	0.000435209	0.003098999
ENSG00000253234.1	IGLV2-5	1.374553522	2.052248566	0.583413394	3.517657611	0.000435374	0.003099283
ENSG00000105246.5	EBI3	19.9256238	0.825149162	0.234605296	3.51718045	0.000436157	0.003103973
ENSG00000170445.8	HARS	320.4478783	0.250757947	0.071310727	3.516412729	0.00043742	0.003112073
ENSG00000109805.5	NCAPG	168.8038766	0.529723613	0.150690972	3.515297617	0.000439261	0.003124278
ENSG00000131620.13	ANO1	87.8229312	0.739694874	0.210439107	3.515006721	0.000439743	0.003126809
ENSG00000114850.2	SSR3	1723.639056	0.365931455	0.104146599	3.513618864	0.000442047	0.003137056
ENSG00000211598.2	IGKV4-1	1230.951574	1.026282997	0.292088146	3.513607143	0.000442066	0.003137056
ENSG00000133740.6	E2F5	94.5434054	0.678289456	0.193181047	3.511159439	0.000446157	0.00316338
ENSG00000180340.5	FZD2	11.3745301	0.63787643	0.181944198	3.505890468	0.000455083	0.003218416
ENSG00000100968.9	NFATC4	87.88153427	0.526991753	0.150348143	3.50514309	0.000456362	0.003224716
ENSG00000260916.1	CCEP1	235.0155215	0.283908495	0.081012506	3.50450206	0.000457462	0.003230655
ENSG00000156110.9	ADK	106.9148121	0.293390565	0.083726356	3.504160185	0.000458505	0.003233888
ENSG00000123094.11	RASSF8	93.21712682	0.5860261	0.167251651	3.503858393	0.000458569	0.00323572
ENSG00000236739.3	RP11-370B11.1	15.38387245	0.495879917	0.141568994	3.502743797	0.000460492	0.003247448
ENSG00000110427.10	KIAA1549L	3.895263845	1.425640142	0.407036786	3.502484762	0.00046094	0.003249687
ENSG00000181631.6	P2RY13	123.9865574	0.615822818	0.175892341	3.501134925	0.000463281	0.003265267
ENSG00000143942.4	CHAC2	44.5390191	0.476383916	0.13607438	3.500908216	0.000463676	0.003266385
ENSG00000153551.9	CMTM7	65.85963819	0.665796533	0.190183165	3.500817405	0.000463834	0.003266385
ENSG00000223648.2	IGHV3-64	12.45493462	1.50891278	0.431016557	3.500823241	0.000463828	0.003266385
ENSG0000011837.7	MAK	1.260586804	2.093325885	0.598053533	3.500231615	0.000464854	0.003270796
ENSG00000171711.2	DEFB4A	1.209721967	5.762186179	1.646523923	3.499606717	0.000465945	0.003277546
ENSG00000102898.7	NUTF2	236.6837265	0.284624113	0.081360665	3.498301215	0.000468232	0.003291773
ENSG00000105501.7	SIGLEC5	4.161567164	1.306697421	0.373656985	3.497050704	0.000470432	0.003304443
ENSG00000143753.8	DEGS1	308.8020758	0.273215795	0.078126613	3.497089992	0.000470363	0.003304443
ENSG00000162692.6	VCAM1	589.9140913	0.666286836	0.190551502	3.496623381	0.000471187	0.003308806
ENSG00000070501.7	POLB	88.98728668	0.252255052	0.072172328	3.495176871	0.000473748	0.00332117
ENSG00000224126.2	UBE2SP2	6.719532842	0.766867679	0.219444817	3.494580954	0.000474807	0.00332672
ENSG00000053372.4	MRTO4	144.376002	0.334682256	0.095851853	3.491661827	0.000480026	0.003355731
ENSG00000197498.8	RPF2	155.2944022	0.331921332	0.095093262	3.490482137	0.00048215	0.003369635
ENSG00000100364.14	KIAA0930	394.1250558	0.30852334	0.088401745	3.49001413	0.000482995	0.003371979
ENSG00000172819.12	RARG	73.27976933	0.508586076	0.145729949	3.489921444	0.000483163	0.003371979
ENSG00000174799.6	CEP135	154.2841767	0.363458804	0.104141697	3.490041109	0.000482946	0.003371979
ENSG0000007306.10	CEACAM7	9512.422113	1.035133659	0.296826321	3.487337831	0.000487855	0.003401323
ENSG00000240929.2	HIST2H2BB	1.955437704	1.744478827	0.500419666	3.486031714	0.000490243	0.003415647
ENSG00000139515.5	PDX1	2.149373724	1.96069093	0.562455414	3.485949078	0.000490394	0.003415746
ENSG00000184922.9	FMNL1	158.6006393	0.767131463	0.220091842	3.485506116	0.000491207	0.00342045
ENSG00000169174.9							

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ENSG00000132256.14	TRIM5	296.9707048	0.283861239	0.081841506	3.468426408	0.000523516	0.003603819
ENSG00000117399.9	CDC20	105.0582296	0.565740141	0.163121202	3.468219549	0.000523919	0.003604876
ENSG00000159131.12	GART	541.7367363	0.276849334	0.079843341	3.467406663	0.000525506	0.003613799
ENSG00000147119.3	CHST7	16.16710107	0.588070513	0.169628613	3.466812012	0.00052667	0.003619803
ENSG00000164318.13	EGFLAM	27.19021109	0.580661734	0.167561927	3.465356024	0.00052953	0.00363745
ENSG00000184602.5	SNN	130.2537909	0.595893945	0.172027012	3.463955675	0.000532294	0.00365543
ENSG0000004897.7	CDC27	624.2539637	0.276020725	0.079719754	3.46238808	0.000535405	0.003674762
ENSG00000158517.9	NCF1	55.67425374	0.847702706	0.244865585	3.461910365	0.000536356	0.003680276
ENSG00000183520.7	UTP11L	158.304292	0.260781748	0.075344929	3.461171842	0.000537829	0.00368937
ENSG00000128641.13	MYO1B	1103.248699	0.370417983	0.107055314	3.460061625	0.000540052	0.003702575
ENSG00000100906.6	NFKBIA	895.8917065	0.438971639	0.126881689	3.459692594	0.000540792	0.003704592
ENSG00000172346.10	CSDC2	2.394841766	1.377367405	0.39820264	3.458961012	0.000542263	0.003712625
ENSG00000198795.6	ZNF521	91.00790546	0.512299116	0.148133204	3.458367902	0.000543459	0.003719786
ENSG00000103522.11	IL21R	62.70712662	1.14839767	0.332082156	3.458173379	0.000543851	0.003721016
ENSG00000125089.12	SH3TC1	110.7972013	0.632355832	0.182893706	3.457504619	0.000545203	0.003728649
ENSG00000240809.1	RP11-550F7.1	84.53927721	0.354875005	0.102685861	3.455928616	0.000548401	0.003745373
ENSG00000100234.11	TIMP3	681.8023083	0.629830172	0.182316616	3.454595569	0.000551119	0.003762905
ENSG00000100228.8	RAB36	9.053768003	0.534464353	0.154746235	3.453811686	0.000552723	0.00377179
ENSG00000105639.14	JAK3	257.5875288	0.920337741	0.266590892	3.452247504	0.000555938	0.003790608
ENSG00000152377.8	SPOCK1	19.98398748	0.910010318	0.26361729	3.452013028	0.000556421	0.003792864
ENSG00000103196.7	CRISPLD2	400.0414454	0.611334355	0.177185067	3.450258898	0.000560049	0.003815507
ENSG00000106799.8	TGFBR1	785.7196196	0.258155227	0.074827156	3.450020562	0.000560544	0.003817833
ENSG00000128342.4	LIF	92.26379539	0.479468172	0.138993321	3.449577056	0.000561466	0.003822018
ENSG00000226380.3	MIR29B1	111.6285075	0.547764195	0.158832665	3.448687294	0.000563319	0.003830444
ENSG00000197043.9	ANXA6	709.1259051	0.508986054	0.147635379	3.447588626	0.000565615	0.003843957
ENSG00000167100.10	SAMD14	9.467768589	0.768691208	0.222987817	3.447234104	0.000566358	0.003847322
ENSG00000241644.2	INMT	52.49406486	0.642114489	0.18627504	3.447131125	0.000566574	0.003847322
ENSG00000136811.12	ODF2	242.6409674	0.256009247	0.074273164	3.446860681	0.000567141	0.003848026
ENSG00000179934.5	CCR8	2.916876359	1.349490565	0.391497665	3.446995182	0.000566859	0.003848026
ENSG00000243753.1	HLA-L	16.94887167	0.788576734	0.228778146	3.446905867	0.000567046	0.003848026
ENSG00000136295.10	TTYH3	301.1854984	0.531848795	0.154321364	3.446371784	0.000568168	0.003853945
ENSG00000136840.15	ST6GALNAC4	110.7353508	0.471708945	0.136882725	3.446080906	0.00056878	0.003856676
ENSG00000174442.7	ZWILCH	154.3756247	0.389464449	0.113038593	3.445411322	0.000570191	0.003863455
ENSG00000137310.7	TCF19	142.9067491	0.364253976	0.10574148	3.444759561	0.000571568	0.003871239
ENSG00000112078.9	KCTD20	753.9513097	0.206412202	0.059937464	3.443792736	0.000573615	0.003883486
ENSG00000152128.13	TMEM163	16.1029475	1.485695361	0.431464179	3.44338055	0.000574449	0.003888353
ENSG00000154582.12	TCEB1	118.837474	0.279334084	0.081123865	3.443303459	0.000574654	0.003888404
ENSG00000177432.6	NAP1L5	15.64485188	0.569124258	0.165304928	3.442875332	0.000575565	0.003891392
ENSG00000101144.8	BMP7	39.44242421	0.796083961	0.231275337	3.442148096	0.000577114	0.003899751
ENSG00000131831.13	RAI2	34.48790236	0.456387842	0.132591031	3.442071766	0.000577277	0.003899793
ENSG00000180672.4	AC007362.1	20.97574314	0.687410117	0.199717494	3.441912391	0.000577617	0.003901032
ENSG00000124067.12	SLC12A4	136.0755175	0.482190951	0.140187247	3.43962067	0.00058253	0.003928026
ENSG00000202695.12	BTN3A1	595.2544496	0.450744867	0.131069419	3.43897814	0.000583914	0.003936086
ENSG00000110900.10	TSPAN11	148.9566087	0.56599654	0.164640832	3.437765294	0.000586536	0.003952686
ENSG00000136286.10	MYO1G	149.7450435	0.638881685	0.185857937	3.437473234	0.000587169	0.00395481
ENSG00000146021.10	KLHL3	69.92147112	0.453517909	0.131933392	3.437476315	0.000587162	0.00395481
ENSG00000257605.1	RP11-680A11.5	0.595030604	2.019313914	0.587763294	3.43559037	0.000591264	0.003978592
ENSG00000124783.8	SSR1	1911.077633	0.255211272	0.074286945	3.435479458	0.000591506	0.003978643
ENSG00000196632.6	WNK3	14.58788058	0.622784402	0.181295114	3.435196832	0.000592124	0.003981719
ENSG00000164134.8	NAA15	609.5461843	0.298766062	0.087008448	3.433759225	0.000595273	0.003998575
ENSG00000106477.14	CEP41	72.03977114	0.285278382	0.083083055	3.43365302	0.000595506	0.003999063
ENSG00000115457.5	IGFBP2	349.9906075	0.704115873	0.205108323	3.432912251	0.000597135	0.004008923
ENSG00000231047.1	GCNT1P3	0.733773101	1.884720861	0.549063023	3.432612982	0.000597795	0.004011187
ENSG00000169241.13	SLC50A1	381.7891496	0.461632577	0.134500081	3.432210392	0.000598683	0.004016064
ENSG00000240065.3	PSMB9	317.0657716	0.785529649	0.228880176	3.432056295	0.000599023	0.004017264
ENSG00000166839.12	ANKDD1A	20.60669979	0.729214634	0.212479012	3.431937238	0.000599286	0.004017945
ENSG00000221818.4	EBF2	1.504520575	1.565860409	0.456411237	3.430810378	0.000601781	0.004031415
ENSG00000167552.9	TUBA1A	343.1162795	0.442790661	0.129095852	3.429937166	0.000603721	0.004040537
ENSG00000145632.10	PLK2	310.795305	0.442960003	0.129194098	3.428639627	0.000606614	0.004057243
ENSG00000131055.4	COX4I2	3.044006676	0.991053675	0.289158779	3.427368445	0.000609462	0.00407191
ENSG00000130635.11	COL5A1	767.8365795	0.76373767	0.222849423	3.427146728	0.000609959	0.00407305
ENSG00000091986.11	CCDC80	224.7713494	0.763381401	0.222820221	3.425996965	0.000612547	0.004089233
ENSG00000197299.6	BLM	132.1842988	0.474704406	0.138601311	3.424963317	0.000614882	0.004101523
ENSG00000152856	WAS	82.43216841	0.667336303	0.194884114	3.424272456	0.000616448	0.004109762
ENSG00000166974.8	MAPRE2	469.000314	0.18369422	0.053653145	3.423736305	0.000617665	0.004116776
ENSG00000111328.2	CDK2AP1	193.0741357	0.367566025	0.107361002	3.423645632	0.000617871	0.004117048
ENSG00000173039.14	RELA	290.4419785	0.321598352	0.093956375	3.42284759	0.000619688	0.004126944
ENSG00000163132.6	MSX1	2.158145105	1.137207146	0.332248652	3.422759244	0.00061989	0.004127181
ENSG00000130589.12	HELZ2	441.9211685	0.704357968	0.205859061	3.421554357	0.000622643	0.004142189
ENSG00000246022.2	ALDH1L1-AS2	0.605281716	2.783850223	0.813709794	3.421183134	0.000623493	0.004146739
ENSG00000153956.11	CACNA2D1	95.17161748	0.471285162	0.137764708	3.420942629	0.000624045	0.00414805
ENSG00000160183.9	TMPRSS3	21.93263222	0.992284753	0.290067167	3.420879254	0.00062419	0.00414805
ENSG00000248810.1	RP11-362F19.1	1.097958358	1.9017352	0.555914972	3.420910202	0.000624119	0.00414805
ENSG00000186074.14	CD300LF	45.04649198	0.552941554	0.161728213	3.41895545	0.00062862	0.004173032
ENSG00000113368.7	LMNB1	498.3077966	0.391986473	0.114660088	3.418682835	0.00062925	0.004176101
ENSG00000185862.5	EVII2B	246.314097	0.637958946	0.186684164	3.417316884	0.000632416	0.004193759
ENSG00000197057.4	LYAR	23.94806425	0.817731613	0.239395774	3.415814734	0.000635915	0.004214714
ENSG00000145220.9	LYAR	82.79448412	0.384974514	0.112718001	3.415377422	0.000636937	0.004219241
ENSG00000176390.10	CRLF3	252.163653	0.404080798	0.118358025	3.414054935	0.000640037	0.004236393
ENSG00000198498.5	TMA16	127.8141165	0.268581266	0.078696905	3.412856801	0.000642857	0.00425393
ENSG00000136731.8	UGT1	1783.264785	0.239845883	0.070283099	3.412568431	0.000643573	0.004257302
ENSG00000135912.6	TLL4	196.9004783	0.228444204	0.066958659	3.411720125	0.000645544	0.004266785
ENSG00000143119.8	CD53	560.5996751	0.700173044	0.205219998	3.411816827	0.000645315	0.004266785
ENSG00000211970.2	IGHV4-61	6.755852807	1.549983658	0.454317852	3.411672362	0.000645657	0.004266785
ENSG00000162733.12	DDR2	614.3303208	0.431069091	0.126393637	3.41052841	0.000648371	0.00428245
ENSG00000160991.11	ORAI2	197.1392611	0.672605827	0.197219403	3.410444498	0.000648571	0.004282632
ENSG00000237643.1	RP11-462G2.1	33.11121174	0.768145504	0.225310272	3.409278664	0.000651349	0.004299837
ENSG00000091136.9	LAMB1	1649.619627	0.399919775	0.117319622	3.408805534	0.00065248	0.004306159
ENSG00000258915.1	RP11-114N19.2	1.152973919	1.761679329	0.516977831	3.407649659	0.00065525	0.004320991
ENSG00000179862.5	CITED4	6.656074656	0.931937396	0.27350519	3.407384683	0.000655886	0.004322452
ENSG00000132768.9	DPH2	132.6775563	0.277813935	0.081602606	3.404473807	0.000662917	0.004362317
ENSG00000169504.10	CLIC4	957.0246767	0.439705257	0.129196843	3.403374635	0.00066559	0.00437528
ENSG00000174004.5	NRROS	27.82567522	0.737312133	0.216660947	3.40306892	0.000666335	0.004379022
ENSG00000103187.6	COTL1	584.241447	0.423812269	0.124592073	3.401598996	0.000669929	0.004401479
ENSG0000003249.9	DBNDD1	15.59907272	0.872353574	0.256501283	3.400971583	0.000671468	0.004410429

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ENSG00000175898.4	CTD-2369P2.2	39.45030799	0.606905438	0.179259723	3.385620756	0.000710175	0.004628033
ENSG00000253417.1	RP11-109J4.1	1.953934094	1.632225785	0.482165717	3.385196679	0.000711273	0.004633976
ENSG00000258947.2	TUBB3	2.886311324	1.356426053	0.400716345	3.385003056	0.000711775	0.00463482
ENSG00000169607.8	CKAP2L	73.56662272	0.462282249	0.136647432	3.383029174	0.00071691	0.004662163
ENSG00000249267.2	LINC00939	2.096678271	1.819065527	0.538034387	3.380946592	0.000722366	0.004692739
ENSG00000177885.9	GRB2	778.785091	0.169520669	0.050143893	3.380684248	0.000723056	0.004695996
ENSG00000126561.12	STAT5A	244.1753176	0.477503053	0.141268903	3.380100238	0.000724594	0.004702305
ENSG00000165757.8	KIAA1462	112.0591224	0.608664226	0.180163052	3.378407607	0.000729069	0.004727651
ENSG00000147454.9	SLC25A37	444.7291826	0.448509771	0.132793183	3.377506006	0.000731464	0.004740707
ENSG00000124508.12	BTN2A2	143.3805017	0.556795147	0.164904592	3.376468419	0.000734228	0.004756147
ENSG00000163406.6	SLC15A2	62.82550449	0.60837714	0.18021404	3.375858726	0.000735857	0.004760505
ENSG00000181773.6	GPR3	0.81097206	2.011435648	0.595817757	3.375924304	0.000735682	0.004760505
ENSG00000068878.10	PSME4	699.4011177	0.325211738	0.096341697	3.375607313	0.00073653	0.004763619
ENSG00000137076.14	TLN1	2729.282511	0.254893919	0.075520492	3.375162307	0.000737722	0.004768851
ENSG00000151304.5	SRFBP1	181.2470138	0.217120951	0.064338756	3.374652603	0.000739089	0.004775211
ENSG00000180398.7	MCFD2	767.5754366	0.255446445	0.075703929	3.374282545	0.000740084	0.004780395
ENSG00000198216.6	CACNA1E	9.492622487	1.008873064	0.299022419	3.373904425	0.000741101	0.004780764
ENSG00000203710.6	CR1	144.7393237	1.128951949	0.334593277	3.374102306	0.000740568	0.004780764
ENSG00000157654.13	PALM2-AKAP2	1.286160653	1.66431208	0.493395716	3.373179027	0.000743056	0.004791716
ENSG00000163507.9	KIAA1524	95.12576043	0.39051985	0.11577367	3.373131819	0.000743184	0.004791716
ENSG00000106462.6	EZH2	133.8762007	0.387810392	0.114985058	3.372702504	0.000744343	0.004796708
ENSG00000108592.12	FTSJ3	295.3693474	0.274842927	0.081509722	3.37190361	0.000746506	0.004809398
ENSG00000115091.7	ACTR3	2925.176379	0.304293743	0.090267863	3.371008614	0.000748935	0.004822554
ENSG00000187764.7	SEMA4D	439.4486793	0.565554297	0.167810848	3.370189131	0.000751166	0.00483192
ENSG00000187479.4	C11orf96	90.48773158	0.87708963	0.260265266	3.369983409	0.000751727	0.004834279
ENSG00000123136.10	DDX39A	246.9253657	0.289085925	0.085805356	3.369089502	0.000754169	0.004846931
ENSG00000138385.11	SSB	327.3405478	0.258022737	0.076587827	3.36897843	0.000754473	0.004846931
ENSG00000158077.4	NLRP14	5.712338572	1.041812671	0.309273811	3.368577074	0.000755573	0.004847849
ENSG00000163947.7	ARHGEF3	203.7090664	0.443171004	0.131563318	3.368499769	0.000755785	0.004847849
ENSG00000187800.9	PEAR1	36.75437011	0.506561609	0.150372051	3.368721817	0.000755176	0.004847849
ENSG00000162430.12	SEPN1	275.6386649	0.434133628	0.128902958	3.367910505	0.000757402	0.00485572
ENSG00000168899.4	VAMP5	30.29565592	0.764855653	0.227175774	3.366801127	0.000760455	0.004871531
ENSG00000006634.3	DBF4	108.6934921	0.317075097	0.09420572	3.365773314	0.000763294	0.00488846
ENSG00000204592.5	HLA-E	5794.295366	0.380151564	0.113009161	3.363900418	0.000768493	0.004912906
ENSG00000169047.5	IRS1	233.4754639	0.580760729	0.172784626	3.361182891	0.000776094	0.004958955
ENSG00000233912.1	AC026202.3	4.878658928	0.939169224	0.279429791	3.361020382	0.000776551	0.0049606
ENSG00000154978.8	VOPP1	419.6950574	0.244161165	0.072657072	3.360459749	0.000778129	0.004969404
ENSG00000180353.6	HCLS1	366.325592	0.692814189	0.206184557	3.360165282	0.000778959	0.004972152
ENSG00000231528.2	FAM225A	2.247346368	1.47801043	0.439855912	3.360214993	0.000778818	0.004972152
ENSG00000196628.9	TCF4	955.376967	0.586929128	0.174768344	3.358326306	0.00078416	0.005000224
ENSG00000237683.5	AL627309.1	7.891626004	0.889875012	0.265038268	3.357534064	0.000786411	0.005012008
ENSG00000166840.9	GLYATL1	4.964231664	1.072276872	0.319496308	3.356147929	0.000790363	0.005035908
ENSG00000120820.8	GLT8D2	53.84704027	0.518354299	0.154525126	3.354498475	0.00079509	0.005063435
ENSG00000005302.13	MSL3	238.7117811	0.287401155	0.085705617	3.353352614	0.000798389	0.005081828
ENSG00000107651.8	SEC23IP	558.5046613	0.238894742	0.071242049	3.353282844	0.000798591	0.005081828
ENSG00000132589.11	FLOT2	325.3813252	0.310436297	0.092605708	3.352237163	0.000801613	0.005098456
ENSG00000142871.11	CYR61	116.9213537	1.303805342	0.388928951	3.352296963	0.00080144	0.005098456
ENSG00000151023.12	ENK1	18.34024391	1.194774796	0.356420784	3.352146819	0.000801875	0.005098818
ENSG00000223559.1	RP11-700P18.1	40.66389127	0.312046137	0.09312553	3.350811913	0.00080575	0.005120843
ENSG00000149256.10	TENM4	33.15599194	0.879992964	0.262649305	3.350448478	0.000806808	0.005126259
ENSG00000111602.7	TIMELESS	119.8437862	0.406971908	0.121479942	3.350116094	0.000807777	0.005129969
ENSG00000125869.5	LAMP5	8.497820046	0.811787957	0.24231704	3.350106774	0.000808004	0.005129969
ENSG00000173083.10	HPSE	158.093383	0.37948466	0.113316733	3.348884588	0.000811376	0.00514871
ENSG00000169992.5	NLGN2	38.59491488	0.608959779	0.181860343	3.348502319	0.000812496	0.005154505
ENSG00000049540.12	ELN	65.62456562	0.669728235	0.200045737	3.347875568	0.000814336	0.005164859
ENSG00000055130.11	CUL1	502.4763132	0.1892837	0.056551049	3.347129812	0.00081653	0.005177455
ENSG00000154240.12	CEP112	37.85779467	0.426298966	0.127376743	3.346756669	0.00081763	0.005181789
ENSG00000243063.1	IGKV3-7	0.918608276	1.987087542	0.593898413	3.345837431	0.000820345	0.005196352
ENSG00000189233.7	NUCGC	68.54931842	0.768233112	0.22963384	3.34546996	0.000821433	0.005200596
ENSG00000124802.7	EEF1E1	52.15505576	0.412346902	0.123265442	3.345194693	0.000822248	0.005204437
ENSG00000120280.5	CXorf21	53.09460482	0.564487592	0.168782985	3.344457929	0.000824435	0.005216953
ENSG00000158710.10	TAGLN2	1001.197631	0.27546439	0.082394089	3.343254256	0.00082802	0.005235644
ENSG00000183748.4	MRC1L1	23.35132162	0.728916474	0.218058688	3.342753638	0.000829515	0.005241104
ENSG00000207142.1	Y_RNA	9.256921622	0.826942911	0.247408164	3.342423707	0.000830502	0.005243346
ENSG00000012048.15	BRCA1	223.8967619	0.346549416	0.10372843	3.340929938	0.000834983	0.005266295
ENSG00000183625.10	CCR3	16.57269666	1.101884075	0.329821497	3.34084978	0.000835224	0.005266442
ENSG00000213985.4	AC078899.1	78.6242994	0.348937304	0.104452445	3.340633197	0.000835876	0.005266588
ENSG00000146112.7	PPP1R18	328.3694439	0.624328583	0.186926868	3.339961725	0.000837899	0.005276839
ENSG00000147400.8	CETN2	130.4963975	0.339070959	0.101519688	3.339952721	0.000837927	0.005276839
ENSG00000131467.6	PSME3	466.5664579	0.21368863	0.06401782	3.337955428	0.000843973	0.005312228
ENSG00000067369.9	TP53BP1	460.2471909	0.221962349	0.066498471	3.337856441	0.000844274	0.005312777
ENSG00000197085.7	NPSR1-AS1	0.901689891	2.413499248	0.723153378	3.33746522	0.000845463	0.005318918
ENSG00000116819.6	TFAP2E	2.910093341	0.847852231	0.254098988	3.336700542	0.000847792	0.005332224
ENSG00000110777.7	POU2AF1	151.2935027	1.041541177	0.312407259	3.333921177	0.000856309	0.005381712
ENSG00000196510.8	ANAPC7	236.1829796	0.192139919	0.057698974	3.330040464	0.000868334	0.005454529
ENSG00000129467.9	ADCY4	57.55121101	0.491485409	0.147601001	3.329824353	0.000869008	0.005457387
ENSG00000086991.8	NOX4	4.364927547	0.997618954	0.299609669	3.329728837	0.000869306	0.005457882
ENSG00000118162.9	KPTN	14.77931087	0.48188961	0.144762848	3.328816531	0.000872158	0.00547303
ENSG00000113758.9	DBN1	86.93549821	0.521778863	0.156805518	3.327554226	0.000876119	0.005496501
ENSG00000127564.12	PKMYT1	34.27291004	0.662073046	0.199013506	3.326774438	0.000878575	0.00551
ENSG00000211592.2	IGKC	3719.544761	1.066456451	0.320571958	3.326730314	0.000878414	0.00551
ENSG00000163630.6	SYNPR	2.23163025	1.52911782	0.45968172	3.326470801	0.000879532	0.005513744
ENSG00000184304.10	PRKD1	28.60846476	0.504308827	0.151616221	3.326219475	0.000880326	0.005517329
ENSG00000174255.5	ZNF80	3.282075414	1.371080375	0.412325235	3.325240028	0.000883424	0.005533963
ENSG00000196507.6	TCEAL3	32.37746024	0.448676331	0.134933544	3.325165239	0.000883662	0.005534055
ENSG00000103356.11	EARS2	223.5610419	0.278536882	0.08378404	3.32446229	0.000885892	0.005546348
ENSG00000120158.7	RCL1	91.07355172	0.288235891	0.086737939	3.323065955	0.000890339	0.005567468
ENSG00000265185.2	SNORD3B-1	15.30484251	0.927390806	0.279131685	3.322413241	0.000892424	0.005576307
ENSG00000211937.2	IGHV2-5	141.3620486	1.239315053	0.373041249	3.322193068	0.000893129	0.005579309
ENSG00000224689.3	ZNF812	1.050336698	1.991886925	0.599707763	3.321429285	0.000895577	0.005593198
ENSG00000146918.15	NCAPG2	158.5159957	0.33689431	0.101434835	3.321288098	0.00089603	0.005594625
ENSG00000129219.9	PLD2	135.78541	0.222222255	0.066917071	3.32086047	0.000897404	0.005600394
ENSG00000265451.1	RP11-204L24.2	0.677909824	1.739306784	0.523861531	3.320165122	0.000899642	0.005611549
ENSG00000144893.8	MED12L	8.814455398	0.934714935	0.281611747	3.319161729	0.000902881	0.005630342
ENSG00000152556.11	PFKM	219.4911751	0.222207491	0.066972247	3.317904055	0.000906956	0.005654338
ENSG00000120800.4	UTP20	146.0828194	0.296006122	0.089296222	3.31487844	0.00	

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ENSG00000258791.3	LINC00520	2.376938059	1.793721468	0.542932712	3.303763855	0.000953962	0.005892998
ENSG00000134294.9	SLC38A2	1694.874633	0.311065904	0.094205043	3.30200903	0.00095995	0.005925363
ENSG00000058091.12	CDK14	115.5266774	0.758391274	0.229701003	3.301645469	0.000961195	0.005928887
ENSG00000155287.6	SLC25A28	115.1107243	0.317533983	0.096212824	3.300329111	0.000965715	0.005953569
ENSG00000088325.11	TPX2	291.3041263	0.441096454	0.133693676	3.299306788	0.000969239	0.005972337
ENSG00000142178.7	SIK1	204.112533	1.076784364	0.326376707	3.299207151	0.000969583	0.005972979
ENSG00000113742.8	CPEB4	915.7128636	0.31446436	0.09531955	3.299054198	0.000970112	0.005974756
ENSG00000125977.6	EIF2S2	307.5270997	0.26549987	0.080496897	3.298262161	0.000972853	0.005987192
ENSG00000131378.9	RFTN1	299.5788071	0.609398508	0.18477894	3.297986819	0.000973807	0.005988625
ENSG00000154783.6	FGD5	162.7129756	0.428218517	0.129868045	3.29733552	0.000976068	0.005999566
ENSG00000235513.1	RP4-756G23.5	3.681590492	1.141994826	0.346386927	3.296876228	0.000977666	0.006006419
ENSG00000128513.10	POT1	151.6621824	0.32610998	0.098920753	3.296679124	0.000978352	0.006007671
ENSG00000099860.4	GADD45B	130.192224	0.493247682	0.149645102	3.29611644	0.000980314	0.006018232
ENSG00000163902.7	RPN1	2314.825908	0.3362713	0.10205592	3.294971028	0.000984318	0.006038349
ENSG00000120694.15	HSPH1	769.3865089	0.313592878	0.095212598	3.293606974	0.000989107	0.00606175
ENSG00000125744.7	RTN2	17.78223642	0.475499258	0.14436999	3.293615642	0.000989077	0.00606175
ENSG00000152104.7	PTPN14	175.2106528	0.423374308	0.128541571	3.29367616	0.000988864	0.00606175
ENSG00000143621.12	ILF2	788.6114059	0.238130089	0.07232531	3.29248625	0.000993058	0.00608147
ENSG00000177663.9	IL17RA	390.1495431	0.347634006	0.105617659	3.29143829	0.000996765	0.006099672
ENSG00000145912.4	NHP2	134.2525745	0.271542548	0.082513452	3.290888218	0.000998716	0.006108608
ENSG00000136144.7	RCBTB1	180.4026306	0.261578506	0.079495835	3.290468059	0.001000209	0.006114733
ENSG00000002079.8	MYH16	0.56647377	2.084885895	0.633699884	3.29002095	0.001001799	0.006122954
ENSG00000173786.12	CNP	366.3752842	0.279384376	0.084947217	3.28891735	0.001005736	0.006141814
ENSG00000225670.3	CTA-134P22.2	6.86150955	0.819623547	0.249238322	3.288513335	0.00100718	0.006146787
ENSG00000116852.10	KIF21B	167.5756635	0.571602697	0.173928293	3.286427347	0.001014669	0.006187943
ENSG00000068489.8	PRR11	95.41332947	0.443556633	0.134976203	3.286183963	0.001015547	0.006190259
ENSG00000224543.3	ACO12318.3	8.593459669	0.516525519	0.157195054	3.285889128	0.00101661	0.006195225
ENSG00000197217.8	ENTPD4	830.5785143	0.175002649	0.053262215	3.285680992	0.001017362	0.006198287
ENSG00000100263.9	RHBDD3	61.10411382	0.374327713	0.113948719	3.285054151	0.001019628	0.006209054
ENSG00000239636.1	RP4-728D4.2	2.298932606	1.110702488	0.338225688	3.283909321	0.001023779	0.006227664
ENSG00000214185.3	XPOTP1	33.82090633	0.353731482	0.107734748	3.283355554	0.001025792	0.006235914
ENSG00000125900.8	SIRPD	1.226722804	1.523116768	0.463939171	3.28300963	0.001027052	0.006239952
ENSG00000173432.6	SAA1	10.84975793	2.918389291	0.889182448	3.282104025	0.001030356	0.006257546
ENSG00000133110.10	POSTN	685.2099508	0.849011289	0.258696329	3.281883791	0.001031161	0.006260207
ENSG00000204261.4	TAPSAR1	119.9661296	0.374899639	0.114236753	3.281777796	0.001031549	0.006260207
ENSG00000167264.13	DUS2	86.46357288	0.340772887	0.103890764	3.280107628	0.001037675	0.006295811
ENSG00000094755.12	GABRP	34.03173348	1.266434657	0.386348552	3.277958857	0.001045606	0.006339339
ENSG00000197147.8	LRRRC8B	356.9367874	0.29135561	0.088882533	3.277984986	0.00104551	0.006339339
ENSG00000151835.9	SACS	391.0899589	0.488353623	0.148988836	3.277786683	0.001046244	0.006341662
ENSG00000136982.5	DSCC1	34.50668479	0.519515706	0.158543817	3.276795752	0.001049923	0.006356221
ENSG00000141968.3	VAV1	152.6371427	0.6074443	0.185377019	3.276804773	0.001049889	0.006356221
ENSG00000185507.15	IRF7	175.2615012	0.526521251	0.16067757	3.276880842	0.001049607	0.006356221
ENSG00000244405.3	ETV5	83.46654925	0.365972005	0.111692572	3.276601107	0.001050647	0.006359058
ENSG00000168701.14	TMEM208	120.8930318	0.29124083	0.088894883	3.276238403	0.001051997	0.006365683
ENSG0000013392.6	RWDD2A	67.14788135	0.29844252	0.091108093	3.275697152	0.001054015	0.006376344
ENSG00000163131.6	CTSS	3978.516591	0.3603874	0.110026628	3.275456189	0.001054915	0.006377304
ENSG00000224789.1	ACO12363.4	1.256462733	1.394993304	0.42588151	3.275543249	0.00105459	0.006377304
ENSG00000089195.10	TRMT6	95.42512338	0.291255868	0.089043452	3.270940878	0.001071903	0.006468838
ENSG00000253626.2	EIF5A1	197.7368991	0.342084903	0.10458773	3.27079383	0.001072461	0.006470634
ENSG00000143878.8	RHOB	488.535139	0.587910969	0.179750035	3.27071408	0.001072763	0.006470891
ENSG00000142512.10	SIGLEC10	179.1123558	0.698167701	0.213483259	3.270362765	0.001074096	0.006477364
ENSG00000113460.8	BRIX1	164.7473645	0.253115614	0.077407398	3.269915022	0.001075798	0.006486054
ENSG00000196411.5	EPHB4	322.2401027	0.400359076	0.122498332	3.268281852	0.001082026	0.00652202
ENSG00000075213.6	SEMA3A	117.8720569	0.510853455	0.15638933	3.266549283	0.001088669	0.006557299
ENSG00000171840.7	NINJ2	14.27737978	0.520379605	0.159309158	3.266476392	0.001089949	0.0065574
ENSG00000214063.6	TSPAN4	97.79515506	0.396781043	0.121506675	3.265508189	0.001092679	0.006578268
ENSG00000240972.1	MIF	200.6321573	0.443901009	0.135943864	3.265325807	0.001093382	0.006580914
ENSG00000244642.2	RN7SL396P	5.188202686	0.956361623	0.292944211	3.264654452	0.001095977	0.006594936
ENSG00000157470.7	FAM81A	43.35219697	0.47558765	0.145739969	3.263261638	0.001101378	0.006624233
ENSG00000234231.2	ACO93616.4	4.576523411	1.098555869	0.336683326	3.262875778	0.001102879	0.006631656
ENSG00000132530.12	XAF1	497.9613497	0.655363653	0.200869602	3.262632306	0.001103826	0.006635753
ENSG00000128692.7	EIF2S2P4	237.2188742	0.312084083	0.095727238	3.260138804	0.001113577	0.006689384
ENSG00000161929.10	SCIMP	83.31851209	0.707168225	0.216917693	3.260076282	0.001113823	0.006689384
ENSG00000145358.2	DDIT4L	4.307323711	0.921706981	0.282774473	3.259512689	0.001116038	0.006698086
ENSG00000129680.11	MAP7D3	71.56751006	0.445043363	0.136544151	3.259336697	0.001116731	0.006698769
ENSG00000163872.11	YEATS2	393.1458249	0.177760378	0.054546013	3.258906889	0.001118424	0.006704671
ENSG00000228649.4	ACO05682.5	8.591767577	0.751328429	0.230629545	3.257728448	0.001123078	0.006728739
ENSG00000129048.6	ACKR4	70.48765246	1.089132108	0.33434479	3.257511829	0.001123936	0.006732256
ENSG00000243444.3	PALM2	7.900588861	0.809356181	0.248533578	3.256526493	0.001127844	0.006752417
ENSG00000107317.7	PTGDS	142.5107085	1.224356086	0.376002963	3.25624053	0.001128981	0.006755972
ENSG00000133069.10	TMCC2	10.16784919	0.632710811	0.194383307	3.25496474	0.001134064	0.006778247
ENSG00000138182.10	KIF20B	364.1934807	0.365901322	0.112409652	3.255070317	0.001133643	0.006778247
ENSG00000143545.4	RAB13	89.72453525	0.433971049	0.13332497	3.254987038	0.001133975	0.006778247
ENSG00000189058.4	APOD	37.18937263	0.898416498	0.27617166	3.253108947	0.001141497	0.006814492
ENSG00000153363.8	LINC00467	26.81516745	0.435430206	0.133890049	3.252147628	0.001145365	0.006834305
ENSG00000250565.2	ATP6V1E2	21.3875038	0.573176015	0.176327859	3.25062652	0.00115151	0.00686768
ENSG00000231407.1	RP11-576I22.2	4.102969085	1.103537645	0.339496774	3.250509962	0.001151982	0.00686885
ENSG00000143515.12	ATP8B2	283.2485573	0.484980656	0.149206849	3.250391389	0.001152463	0.006870069
ENSG00000183484.7	GPR132	62.87862273	0.705488014	0.217060458	3.25019131	0.001153274	0.006873259
ENSG00000139044.6	B4GALNT3	473.9957394	0.600204538	0.184673288	3.25008855	0.001153691	0.006874097
ENSG00000235884.2	LINC00941	0.834830037	1.951953445	0.600802612	3.24890972	0.001158442	0.006900996
ENSG0000008438.4	PGLYRP1	1.598156807	1.811990411	0.557921794	3.247749832	0.001163215	0.006925781
ENSG00000137288.5	UQC2C	113.1881479	0.253043447	0.077928704	3.247114778	0.001165814	0.006938027
ENSG00000226535.1	RP11-417L14.1	3.664999197	0.772607153	0.237956142	3.246846867	0.001169912	0.006942901
ENSG00000133026.8	MYH10	137.3068915	0.566812101	0.174609669	3.246166737	0.001169703	0.006956185
ENSG00000179041.2	RRS1	68.29324469	0.426281565	0.131354391	3.24527838	0.001173359	0.006974591
ENSG00000122786.15	CALD1	1165.397211	0.467819879	0.144163326	3.245068577	0.001174223	0.0069764
ENSG00000154429.6	CCSAP	122.8519873	0.316525151	0.09753836	3.245135044	0.001173949	0.0069764
ENSG00000184933.3	ORGA2	1.3234935	1.229267605	0.378833339	3.244877044	0.001175014	0.006977764
ENSG00000187634.6	SAMD11	35.41377146	0.622011161	0.191772268	3.243488586	0.001180755	0.007009768
ENSG00000197329.7	PELL1	603.4355097	0.260916649	0.080444475	3.2434378	0.001180966	0.007009768
ENSG00000248927.1	CTD-2334D19.1	3.472891073	0.840384698	0.259179307	3.242483774	0.001184927	0.007029927
ENSG00000181195.6	PENK	0.472067266	3.264253158	1.006800567	3.242204329	0.00118609	0.007035147
ENSG00000128059.4	PPAT	122.1684055	0.331298314	0.102199838	3.241671606	0.001188309	0.007046631
ENSG00000109047.7	RCVRN	0.575910405	2.08437367	0.643065111	3.241310461	0.001189815	0.007053885
ENSG000001							

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ENSG00000163071.6	SPATA18	85.39084023	0.455384969	0.140992739	3.22984695	0.001238565	0.007283921
ENSG00000116885.14	OSCP1	12.97491258	0.557772976	0.172701913	3.229686151	0.001239262	0.007286297
ENSG00000133574.5	GIMAP4	346.7837842	0.47261129	0.146351701	3.22929558	0.001240956	0.007292812
ENSG00000198624.8	CCDC69	324.0790335	0.50210563	0.155509705	3.2287736	0.001243223	0.00730441
ENSG00000113657.8	DPYSL3	492.3884718	0.487420963	0.151080467	3.226234148	0.001254307	0.007359113
ENSG00000204839.4	MROH6	60.50285542	0.857594625	0.265865513	3.22567081	0.001256778	0.007371875
ENSG00000102312.16	PORCN	21.33839425	0.405865649	0.125833066	3.225429242	0.001257839	0.007374623
ENSG00000089154.6	GCN1L1	1041.150592	0.25269216	0.078348644	3.225226977	0.001258728	0.007378098
ENSG00000166452.7	AKIP1	59.95536205	0.245950904	0.076302077	3.223384113	0.001266856	0.007417004
ENSG0000052749.9	RRP12	127.440235	0.462205837	0.143509406	3.220735488	0.001278621	0.007471829
ENSG00000185070.6	FLRT2	134.9946916	0.749271653	0.232734161	3.219431348	0.001284451	0.007497224
ENSG00000144369.8	FAM171B	95.59542961	0.494674711	0.153735687	3.217696042	0.001292247	0.007533769
ENSG00000115380.14	EFEMP1	292.7994407	0.606962432	0.18865127	3.217377925	0.001293681	0.007540362
ENSG00000258082.1	RP11-443B7.3	1.172284429	1.820295933	0.565907519	3.216596124	0.001297211	0.007557398
ENSG00000123975.4	CKS2	125.9902466	0.519739692	0.161599183	3.216227223	0.00129888	0.00756535
ENSG00000139278.5	GLIPR1	305.0437274	0.466895359	0.145187144	3.215817496	0.001300735	0.007574092
ENSG00000261222.2	CTD-2006K23.1	0.793602193	1.646986148	0.512160534	3.215761544	0.001300989	0.007574092
ENSG00000224962.3	PSAT1P4	0.460124604	2.500048836	0.777667949	3.214802462	0.001305343	0.007597665
ENSG00000135446.12	CDK4	283.6399923	0.217249917	0.067597808	3.213860382	0.001309633	0.007611957
ENSG00000177494.5	ZBED2	4.381662974	1.81921	0.56604329	3.213906129	0.001309425	0.007611957
ENSG00000118193.7	KIF14	114.6693868	0.461787522	0.14376453	3.212110256	0.001317638	0.007655618
ENSG00000076662.5	ICAM3	214.5489911	0.521335774	0.16231426	3.211891388	0.001318642	0.007658954
ENSG00000188643.6	S100A16	680.0735431	0.502856381	0.156584434	3.211407221	0.001320866	0.007668293
ENSG00000158106.8	RHPN1	23.80861335	0.610679602	0.190246397	3.20994044	0.001327625	0.007702142
ENSG00000128228.4	SDF2L1	108.9641977	0.577265024	0.179870699	3.209333296	0.001330432	0.007716628
ENSG00000134363.7	FST	14.37466951	1.058921635	0.329958252	3.209259443	0.001330774	0.007716813
ENSG00000171236.9	LRG1	181.49066	0.778252559	0.242538325	3.208781791	0.001332986	0.007726044
ENSG00000183186.6	C2CD4C	3.775146066	0.847377044	0.264109991	3.208424797	0.001334642	0.007732041
ENSG00000185633.6	NDUFA4L2	12.66930443	0.615660984	0.191898219	3.208268366	0.001335368	0.007734448
ENSG00000086730.12	LAT2	102.4062035	0.625192347	0.194895178	3.20783898	0.001337364	0.007740602
ENSG00000241978.5	AKAP2	14.61868722	0.633856572	0.197593426	3.207882899	0.001337159	0.007740602
ENSG00000120738.7	EGR1	308.9296453	1.166280911	0.363720528	3.206530346	0.001343461	0.007770824
ENSG00000181234.8	TMEM132C	5.482192683	0.918820071	0.286563595	3.20633914	0.001344354	0.00777376
ENSG00000226887.3	ERVMER34-1	6.209855719	0.737896321	0.230145323	3.206219062	0.001344916	0.00777376
ENSG00000169255.9	B3GALNT1	28.02377828	0.577528138	0.180142266	3.205955782	0.001346147	0.007778778
ENSG00000177875.3	C12orf68	2.414534602	1.042376834	0.325278056	3.204571645	0.001352636	0.007812651
ENSG00000253214.1	RP11-1149M10.2	2.190831459	1.100392846	0.343378805	3.20460328	0.001352488	0.007812651
ENSG00000070540.8	WIP1	335.8018231	0.366418288	0.114345927	3.204471715	0.001353106	0.007813551
ENSG00000162434.7	JAK1	2417.582844	0.185174132	0.057809922	3.203193727	0.001359125	0.00784649
ENSG00000103811.11	CTSH	652.826193	0.472162166	0.147558087	3.199839304	0.001375042	0.007923681
ENSG00000089057.10	SLC23A2	278.8998052	0.354258318	0.110727448	3.199372194	0.001377272	0.007931184
ENSG00000120526.6	NUDCD1	200.5354697	0.33212267	0.10380591	3.199458186	0.001376862	0.007931184
ENSG00000171307.14	ZDHHC16	189.9761595	0.204373868	0.063882301	3.199225223	0.001377975	0.007931184
ENSG00000198900.5	TOP1	512.9723346	0.325315384	0.101686541	3.199198042	0.001378105	0.007931184
ENSG00000154319.10	FAM167A	32.77121811	0.665812142	0.208240049	3.197329932	0.001387062	0.007971011
ENSG00000167094.11	TTC16	2.510582267	1.501162486	0.469643548	3.196386902	0.001391604	0.007993212
ENSG00000110665.7	C11orf21	17.18022623	0.882397771	0.276111276	3.195804909	0.001394414	0.008007505
ENSG00000174842.12	GLMN	63.25147199	0.254275994	0.079587603	3.194919601	0.001398698	0.008030256
ENSG00000205413.3	SAMD9	1422.084781	0.401299062	0.125631562	3.194253557	0.001401929	0.00803954
ENSG00000237493.3	RP11-603J24.7	52.84717671	0.332465805	0.104078937	3.194362046	0.001401403	0.00803954
ENSG00000078114.14	NEBL	341.0499551	0.506668183	0.158654372	3.193534326	0.001405426	0.008057734
ENSG00000123989.9	CHPF	272.7211206	0.404453161	0.126669053	3.192991123	0.001408073	0.008071048
ENSG00000165029.11	ABCA1	1129.96242	0.428435876	0.134209523	3.192291189	0.001411149	0.00808691
ENSG00000115233.7	PSMD14	406.9359788	0.345179917	0.108140377	3.191961478	0.001413102	0.008094283
ENSG00000117090.10	SLAMF1	79.04235969	0.645900137	0.202493741	3.189728896	0.001424063	0.008145825
ENSG00000149403.7	GRIK4	3.361080401	0.871842191	0.273323475	3.189781602	0.001423804	0.008145825
ENSG00000251408.1	RP11-586D19.2	1.61645809	1.298431427	0.407092762	3.189522263	0.001425082	0.008149778
ENSG00000166803.6	KIAA0101	84.26722809	0.486679225	0.152613348	3.188968932	0.001427812	0.008161644
ENSG00000232004.1	CAP1P2	20.58787052	0.40381474	0.126768655	3.185446285	0.001445309	0.008254079
ENSG00000120318.11	ARAP3	64.75873549	0.446431249	0.140164111	3.18506105	0.001447235	0.008263179
ENSG00000136280.11	CCM2	221.010057	0.322041556	0.101213727	3.181797223	0.001463643	0.008343466
ENSG00000157796.13	WDR19	98.25643796	0.390256603	0.122670744	3.18133395	0.001465985	0.00835457
ENSG00000236603.1	RANP1	132.411421	0.295785376	0.092994261	3.180684198	0.001469277	0.008367921
ENSG00000115806.8	GORASP2	492.1899744	0.267460046	0.084104477	3.180092848	0.001472279	0.008379265
ENSG00000137312.10	FLOT1	596.6985314	0.199998775	0.062915883	3.17882805	0.001478718	0.008412066
ENSG00000213514.2	RP11-428P16.2	5.196641742	0.722412766	0.22733692	3.177718631	0.001484387	0.008434681
ENSG00000065882.11	TBC1D1	577.3127833	0.172381389	0.054248265	3.17763876	0.001484796	0.008435079
ENSG00000164330.12	EBF1	71.28454588	0.763171243	0.240194389	3.177306705	0.001486497	0.008442817
ENSG00000128944.9	KNSTRN	108.2733099	0.359778614	0.113277807	3.176073251	0.001492833	0.008474931
ENSG00000168658.14	VWA3B	8.961433822	0.622795693	0.196102588	3.175866771	0.001493895	0.008475167
ENSG00000255521.1	RP4-60717.1	0.600579985	1.701078163	0.535618831	3.175911793	0.001493664	0.008475167
ENSG00000126453.5	BCL2L12	19.68897983	0.596158835	0.187726527	3.175677104	0.001494872	0.008476846
ENSG00000033100.10	CHPF2	378.5841481	0.301396683	0.094917246	3.175362694	0.001496493	0.008480242
ENSG00000138944.7	KIAA1644	63.12799283	0.659396316	0.207658808	3.175383321	0.001496387	0.008480242
ENSG00000068650.14	ATP11A	284.4387413	0.378014552	0.119144459	3.172737857	0.001510088	0.008543666
ENSG00000185222.7	WBP5	194.0282568	0.386882894	0.122075143	3.169219253	0.00152849	0.008634046
ENSG00000111913.11	FAM65B	301.7655093	1.045503558	0.32990231	3.169130757	0.001528956	0.008634716
ENSG00000170779.10	CDC4A	71.38295332	0.284656625	0.089850702	3.168106857	0.001534351	0.00866322
ENSG0000011376.5	LARS2	284.5482644	0.26111723	0.08242491	3.167940755	0.001535228	0.008666206
ENSG00000126787.8	DLGAP5	161.0588391	0.523040281	0.165167717	3.166722233	0.001541675	0.00869365
ENSG00000150594.5	ADRA2A	108.4255485	0.521000674	0.164532598	3.166549855	0.001542589	0.00869365
ENSG00000219682.3	RP3-425P12.4	66.59173753	0.276104504	0.087193881	3.166558266	0.001542544	0.00869365
ENSG00000230154.1	ACO18463.4	9.26329239	0.475430185	0.150144402	3.166494309	0.001542884	0.00869365
ENSG00000169258.6	GPRIN1	16.19233754	0.659250136	0.208236294	3.16587529	0.001546171	0.0087102
ENSG00000179978.10	RP11-1319K7.1	16.66917976	0.479380752	0.151428179	3.165730148	0.001546942	0.008712575
ENSG00000168995.9	SIGLEC7	19.1891939	0.584477771	0.184644756	3.165417665	0.001548605	0.008719966
ENSG00000109670.9	FBXW7	569.6580585	0.282700512	0.089334119	3.164530124	0.001553336	0.008738699
ENSG00000183741.7	CBX6	379.4632309	0.44878062	0.141822707	3.164377751	0.001554149	0.008739326
ENSG00000266835.1	RP11-838N2.4	1.759073112	1.226064917	0.387491851	3.164105034	0.001555606	0.008745544
ENSG00000234506.1	RP11-274B18.2	0.58870292	2.295043324	0.725413896	3.163770831	0.001557394	0.008751639
ENSG00000139687.9	RB1	708.6967195	0.243409374	0.076965637	3.162572087	0.00156382	0.008781804
ENSG00000168502.13	SOGA2	87.61639228	0.691749417	0.218744787	3.162358413	0.001564968	0.008786269
ENSG00000204103.2	MAFB	116.7426123	0.548069783	0.17340719	3.160594338	0.001574476	0.008825717
ENSG00000119900.7	OGFRL1	359.2599344	0.402197489	0.127310261	3.159191458	0.001582075	0.008866317
ENSG00000134046.7	MBD2	513.3623499	0.20210881	0.063979348			

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ENSG00000175354.14	PTPN2	283.8916981	0.210840188	0.066911333	3.151038524	0.00162691	0.009065449
ENSG00000196542.4	SPTSSB	8.509389161	0.772911993	0.245305435	3.150814791	0.001628157	0.009069443
ENSG00000154760.9	SLFN13	109.9685547	0.441201703	0.140069315	3.149881207	0.001633369	0.009094404
ENSG00000161896.6	IP6K3	4.776010875	0.996235631	0.316392018	3.148738191	0.00163977	0.009124444
ENSG00000231878.1	SNRFPF1	10.00903451	0.527000883	0.167435889	3.147478637	0.001646851	0.00915514
ENSG00000248632.1	RP11-366M4.11	3.744589506	0.928712347	0.295073471	3.147393579	0.001647331	0.00915576
ENSG00000142627.9	EPHA2	295.7130208	0.561807185	0.178512689	3.147155472	0.001648673	0.009161174
ENSG00000163938.12	GNL3	527.3503676	0.30800661	0.09787575	3.146914423	0.001650033	0.009163436
ENSG00000180370.6	PAK2	984.7272836	0.207201227	0.065844315	3.146835484	0.001650478	0.009163436
ENSG00000198833.6	UBE2J1	1559.342782	0.283355892	0.090061991	3.146231707	0.001653889	0.009177869
ENSG0000028277.16	POU2F2	88.1894089	1.02340996	0.325351321	3.145553419	0.001657729	0.009190982
ENSG00000006606.4	CCL26	2.293990633	1.520453194	0.483408896	3.14527351	0.001659316	0.009195685
ENSG00000105374.5	NKG7	45.94091615	0.763239576	0.242811582	3.143340894	0.001670312	0.009248386
ENSG00000166278.10	C2	280.0266463	0.711404215	0.226355888	3.142857128	0.001673075	0.009257507
ENSG00000105137.8	SYDE1	44.79376217	0.537634606	0.171091424	3.142381965	0.001675793	0.009268425
ENSG00000249859.3	PVT1	41.32752819	0.637829427	0.203048827	3.141261327	0.001682219	0.009298318
ENSG00000132109.8	TRIM21	274.5185134	0.344125864	0.109559296	3.141001064	0.001683714	0.009303969
ENSG00000246430.2	LINC00968	0.662816993	1.959462233	0.624257045	3.138870839	0.001696002	0.009365632
ENSG00000165304.3	MELK	123.9852995	0.466013513	0.148628528	3.135424402	0.001716057	0.009457496
ENSG00000105254.7	TBCB	190.2147208	0.201553008	0.064298772	3.134632334	0.001720696	0.00947887
ENSG00000101955.10	SRPX	41.79390404	0.652958757	0.208337007	3.134146775	0.001723546	0.009490369
ENSG00000100077.10	ADRBK2	219.6681789	0.543180815	0.173352098	3.13339626	0.00172796	0.009508363
ENSG00000200156.1	RNU5B-1	226.1916754	0.693814187	0.221423205	3.133430341	0.001727759	0.009508363
ENSG00000006530.11	AGK	164.5669054	0.20633467	0.065895323	3.131249103	0.001740645	0.0095697
ENSG00000181163.9	NPM1	860.066401	0.276747098	0.088446099	3.128991556	0.001754074	0.009631804
ENSG00000175595.10	ERCC4	149.4205238	0.227069554	0.072580588	3.128516331	0.001756913	0.009643711
ENSG00000090686.11	USP48	475.5130778	0.228849699	0.073153804	3.128336271	0.001757989	0.00964376
ENSG00000163661.3	PTX3	8.232533512	0.746433654	0.238619884	3.128128468	0.001759233	0.009647973
ENSG00000158161.11	EYA3	414.5886728	0.170130886	0.054403431	3.127208777	0.001764746	0.009670169
ENSG00000260604.1	RP1-140K8.5	0.860595043	1.949541023	0.623433808	3.127101864	0.001765388	0.009671557
ENSG00000152784.11	PRDM8	21.90205418	0.667004605	0.213365793	3.126108426	0.001771362	0.00970002
ENSG00000134057.10	CCNB1	254.4889095	0.522227435	0.167069254	3.125814125	0.001773136	0.009707597
ENSG00000166788.5	SAAL1	78.87627326	0.247431345	0.079199752	3.124142927	0.001783238	0.009754324
ENSG00000170606.9	HSPA4	1095.845574	0.206281477	0.066047107	3.123247729	0.001788671	0.009781894
ENSG00000211974.2	IGHV2-70	48.74374761	1.380173571	0.442026417	3.122378029	0.001793964	0.009806532
ENSG00000229083.1	PSMA6P2	6.553730144	0.604083885	0.193465667	3.12243456	0.00179362	0.009806532
ENSG00000101298.9	SNPH	37.83472543	0.652966059	0.209217452	3.120992315	0.001802427	0.009847603
ENSG00000136404.11	TM6SF1	23.13675567	0.485463161	0.155571018	3.120524413	0.001805293	0.009857638
ENSG00000197780.5	TAF13	220.8038541	0.349401253	0.111979191	3.120233764	0.001807076	0.009860491
ENSG00000264964.1	RP11-888D10.3	0.462486106	2.025166613	0.649022987	3.120331105	0.001806479	0.009860491
ENSG00000136770.6	DNAJC1	297.2179799	0.238596877	0.076484614	3.119540862	0.001811331	0.009877609
ENSG00000161921.10	CXCL16	245.8979936	0.402209917	0.128930467	3.119587846	0.001811043	0.009877609
ENSG00000164509.9	IL31RA	4.447805385	1.361834593	0.436653359	3.118800225	0.00181589	0.009900301
ENSG00000174996.7	KLC2	57.04731004	0.397651038	0.127537849	3.117906111	0.001821408	0.009926037
ENSG00000136147.12	PHF11	186.2627584	0.257071806	0.08246505	3.117342524	0.001824894	0.009942857
ENSG00000121621.6	KIF18A	86.28704638	0.466194737	0.149629291	3.115664941	0.001835307	0.009990843
ENSG00000106952.3	TNFSF8	25.74576363	0.740544553	0.237714843	3.115264259	0.001837802	0.009997867