

Protein	Gene Name	Position #	Ordered List	Gene Position
ensp00000354003	gypa	1		0.000103263
ensp00000318409	tmem176b	3		0.000309789
ensp00000004103	tmem176a	4		0.000413052
ensp00000244426	fbxo9	5		0.000516316
ensp00000417601	fbxl2	6		0.000619579
ensp00000420357	rwdd1	9		0.000929368
ensp00000225729	drg2	10		0.001032631
ensp00000368799	kbtbd6	11		0.001135894
ensp00000368797	kbtbd7	12		0.001239157
ensp00000331152	mxi1	13		0.00134242
ensp00000306887	tmem126a	15		0.001548947
ensp00000338235	mtdh	16		0.00165221
ensp00000296597	ndufaf2	17		0.001755473
ensp00000332706	pura	19		0.001961999
ensp00000379051	purb	20		0.002065262
ensp00000388320	ctu2	22		0.002271789
ensp00000264265	lxn	23		0.002375052
ensp00000222482	cpa4	24		0.002478315
ensp00000362616	nap1l2	25		0.002581578
ensp00000362171	nap1l3	26		0.002684841
ensp00000297258	fabp5	27		0.002788104
ensp00000357711	s100a7	28		0.002891367
ensp00000365693	msrb2	30		0.003097893
ensp00000313921	msra	32		0.00330442
ensp00000012134	hivep2	33		0.003407683
ensp00000368698	hivep1	34		0.003510946
ensp00000300107	clpx	35		0.003614209
ensp00000347324	msrb3	37		0.003820735
ensp00000275300	slc22a3	38		0.003923998
ensp00000355930	slc22a1	39		0.004027261
ensp00000282391	pan3	40		0.004130525
ensp00000333920	ttf1	41		0.004233788
ensp00000368754	baz2a	42		0.004337051
ensp00000254325	rfx1	43		0.004440314
ensp00000347514	mier1	44		0.004543577
ensp00000368391	tpd52	45		0.00464684
ensp00000265322	pecr	49		0.005059893
ensp00000215567	tecr	50		0.005163156
ensp00000295491	mrps18c	51		0.005266419
ensp00000265304	ssbp1	52		0.005369682
ensp00000389998	tmem67	55		0.005679471
ensp00000376827	mks1	56		0.005782734
ensp00000335094	tmem17	57		0.005885998
ensp00000261499	b9d1	59		0.006092524
ensp00000398391	cc2d2a	60		0.006195787
ensp00000304941	tctn2	61		0.00629905

ensp00000356774	ahi1	62	0.006402313
ensp00000075120	slc2a3	63	0.006505576
ensp00000358042	qrs1	68	0.007021892
ensp00000229384	gatc	69	0.007125155
ensp00000356134	tfb1m	70	0.007228418
ensp00000420588	tfam	71	0.007331681
ensp00000355471	tfb2m	73	0.007538207
ensp00000304440	has3	74	0.00764147
ensp00000333926	abcc5	75	0.007744734
ensp00000222115	has1	76	0.007847997
ensp00000338573	gnl3l	77	0.00795126
ensp00000362026	trmt2b	78	0.008054523
ensp00000366271	kdm2b	79	0.008157786
ensp00000265651	fbxo3	80	0.008261049
ensp00000329632	fbxl7	81	0.008364312
ensp00000393154	fbxo15	82	0.008467575
ensp00000244333	lypd3	84	0.008674102
ensp00000289361	btn3a1	85	0.008777365
ensp00000315775	cog4	86	0.008880628
ensp00000204726	golga3	87	0.008983891
ensp00000299886	cog1	88	0.009087154
ensp00000397441	cog6	89	0.009190417
ensp00000348751	btn3a2	94	0.009706733
ensp00000244061	rnf114	95	0.009809996
ensp00000410071	tubb	96	0.009913259
ensp00000401321	notch4	101	0.010429575
ensp00000282641	a1cf	103	0.010636101
ensp00000296370	s100p	108	0.011152416
ensp00000282493	pdzd2	109	0.011255679
ensp00000374409	pkp4	112	0.011565469
ensp00000258443	edar	113	0.011668732
ensp00000363680	eda	114	0.011771995
ensp00000355629	cog2	115	0.011875258
ensp00000305442	cog7	116	0.011978521
ensp00000297135	cog5	117	0.012081784
ensp00000258654	cog3	118	0.012185048
ensp00000305459	cog8	119	0.012288311
ensp00000369129	dsp	120	0.012391574
ensp00000363851	eda2r	121	0.012494837
ensp00000333329	usp17l2	123	0.012701363
ensp00000240304	luc7l3	130	0.013424205
ensp00000232978	nktr	131	0.013527468
ensp00000362702	nek6	134	0.013837257
ensp00000356355	nek7	135	0.01394052
ensp00000238616	nek9	136	0.014043784
ensp00000283921	hoxa10	137	0.014147047
ensp00000326296	meis2	138	0.01425031

ensp00000405890	pbx1	139	0.014353573
ensp00000272369	meis1	140	0.014456836
ensp00000282516	nipbl	142	0.014663362
ensp00000312029	ucp2	144	0.014869888
ensp00000320821	kif1c	145	0.014973152
ensp00000417677	zbtb8os	146	0.015076415
ensp00000351132	rhot1	147	0.015179678
ensp00000328998	trak1	148	0.015282941
ensp00000354850	mgea5	149	0.015386204
ensp00000258457	c2orf49	150	0.015489467
ensp00000380734	fam98b	151	0.01559273
ensp00000233084	ddx1	152	0.015695993
ensp00000160382	actl6b	153	0.015799257
ensp00000269138	ss18	154	0.01590252
ensp00000261700	c14orf166	155	0.016005783
ensp00000361584	znf691	157	0.016212309
ensp00000359740	znf451	159	0.016418835
ensp00000359991	pgam1	160	0.016522098
ensp00000385057	apobec3g	161	0.016625361
ensp00000354775	pja2	162	0.016728625
ensp00000309749	apobec3f	163	0.016831888
ensp00000355001	pou3f3	164	0.016935151
ensp00000240619	tas2r10	166	0.017141677
ensp00000247883	tas2r5	171	0.017657993
ensp00000341625	cyb5a	174	0.017967782
ensp00000365243	cox4i2	175	0.018071045
ensp00000226798	frg1	176	0.018174308
ensp00000263384	fam32a	177	0.018277571
ensp00000355217	snx6	178	0.018380834
ensp00000362608	pim1	179	0.018484097
ensp00000389182	rpp30	181	0.018690624
ensp00000382218	zswim7	182	0.018793887
ensp00000295959	rpp14	183	0.01889715
ensp00000278070	pprc1	184	0.019000413
ensp00000223190	nrf1	185	0.019103676
ensp00000387006	cwc22	186	0.019206939
ensp00000355596	disc1	187	0.019310202
ensp00000315112	rnf31	189	0.019516729
ensp00000381698	sharpin	190	0.019619992
ensp00000293441	shank1	191	0.019723255
ensp00000260058	crebzf	192	0.019826518
ensp00000304689	thap11	193	0.019929781
ensp00000278903	ei24	197	0.020342834
ensp00000245441	nin	199	0.02054936
ensp00000389381	yy2	200	0.020652623
ensp00000338814	bag5	201	0.020755886
ensp00000328671	wdr4	202	0.020859149

ensp00000364801	hspa1b	203	0.020962412
ensp00000285737	lonp2	204	0.021065675
ensp00000327724	tas2r60	207	0.021375465
ensp00000240691	tas2r9	213	0.021995043
ensp00000335677	foxk2	215	0.02220157
ensp00000297792	kdm1b	216	0.022304833
ensp00000351416	ankrd17	217	0.022408096
ensp00000362314	eif4ebp2	218	0.022511359
ensp00000328103	eif4enif1	219	0.022614622
ensp00000196169	tdrd3	220	0.022717885
ensp00000350170	fxr1	221	0.022821148
ensp00000225388	nufip2	223	0.023027675
ensp00000357442	pygo2	224	0.023130938
ensp00000302327	pygo1	225	0.023234201
ensp00000353863	znf148	226	0.023337464
ensp00000355228	hmgn2	227	0.023440727
ensp00000350580	hist1h2bb	228	0.02354399
ensp00000259791	hist1h2ab	229	0.023647253
ensp00000340210	cd59	230	0.023750516
ensp00000354458	c8a	232	0.023957043
ensp00000224181	c8g	233	0.024060306
ensp00000360281	c8b	234	0.024163569
ensp00000322061	c7	235	0.024266832
ensp00000324956	rnf14	237	0.024473358
ensp00000381567	tmf1	238	0.024576621
ensp00000314499	gak	239	0.024679884
ensp00000386520	rad54l2	240	0.024783147
ensp00000339906	pax4	241	0.024886411
ensp00000359506	fmr1	243	0.025092937
ensp00000340505	senp8	244	0.0251962
ensp00000379183	panx2	245	0.025299463
ensp00000262646	rab2a	246	0.025402726
ensp00000327541	blzf1	247	0.025505989
ensp00000309031	vcpip1	248	0.025609252
ensp00000272638	ubxn4	249	0.025712515
ensp00000321617	ankzf1	250	0.025815779
ensp00000370293	hus1b	251	0.025919042
ensp00000234160	gorasp2	252	0.026022305
ensp00000257700	rint1	254	0.026228831
ensp00000234739	bcl9	256	0.026435357
ensp00000217073	pabpc1l	257	0.02653862
ensp00000308012	pabpc5	258	0.026641884
ensp00000281589	pabpc3	259	0.026745147
ensp00000362621	pabpc1l2b	261	0.026951673
ensp00000337623	rnaseh2b	262	0.027054936
ensp00000308193	rnaseh2c	263	0.027158199
ensp00000357905	dmbt1	264	0.027261462

ensp00000272424	tprkb	265	0.027364725
ensp00000314311	larp7	266	0.027467988
ensp00000368459	nufip1	267	0.027571252
ensp00000237853	ell2	268	0.027674515
ensp00000232424	hes1	270	0.027881041
ensp00000272937	hes6	271	0.027984304
ensp00000242462	neurog3	272	0.028087567
ensp00000371786	onecut3	273	0.02819083
ensp00000252809	gdf15	274	0.028294093
ensp00000308926	ppm1j	277	0.028603883
ensp00000306734	sesn1	278	0.028707146
ensp00000344215	tp53inp1	281	0.029016935
ensp00000216639	vrk1	282	0.029120198
ensp00000259939	rnf144b	283	0.029223461
ensp00000397157	perp	284	0.029326724
ensp00000299333	scn3b	286	0.029533251
ensp00000219551	rhbd11	287	0.029636514
ensp00000331462	znf704	288	0.029739777
ensp00000354045	rrbp1	289	0.02984304
ensp00000323663	dbf4b	290	0.029946303
ensp00000314441	mettl1	291	0.030049566
ensp00000250937	dohh	292	0.030152829
ensp00000210060	dhps	293	0.030256093
ensp00000392147	ppp6c	294	0.030359356
ensp00000262843	mid2	295	0.030462619
ensp00000312678	mid1	296	0.030565882
ensp00000216218	st13	297	0.030669145
ensp00000361900	tomm34	298	0.030772408
ensp00000349525	ahsa2	299	0.030875671
ensp00000299440	rag1	300	0.030978934
ensp00000228289	znf268	302	0.031185461
ensp00000269973	znf45	304	0.031391987
ensp00000326933	sertad2	305	0.03149525
ensp00000348722	pus7	306	0.031598513
ensp00000315182	shq1	307	0.031701776
ensp00000308332	utp23	308	0.031805039
ensp00000370842	il33	309	0.031908302
ensp00000402406	psmb8	311	0.032114829
ensp00000252329	psmg3	312	0.032218092
ensp00000417748	ddi2	313	0.032321355
ensp00000329915	psmg1	314	0.032424618
ensp00000368872	insc	315	0.032527881
ensp00000295822	EIF5A2	316	0.032631144
ensp00000336702	EIF5A	317	0.032734407
ensp00000353375	map4	319	0.032940933
ensp00000355899	rrp15	320	0.033044197
ensp00000253247	nol11	321	0.03314746

ensp00000380982	kiaa0020	322	0.033250723
ensp00000274289	plk2	323	0.033353986
ensp00000266269	patz1	326	0.033663775
ensp00000346120	ddx21	328	0.033870302
ensp00000258772	ddx56	329	0.033973565
ensp00000261173	atp2b1	331	0.034180091
ensp00000308620	rag2	332	0.034283354
ensp00000377265	tfap2b	334	0.03448988
ensp00000201031	tfap2c	335	0.034593143
ensp00000351593	smtn	336	0.034696406
ensp00000054950	rcn1	337	0.03479967
ensp00000369373	trim5	338	0.034902933
ensp00000319170	dhfrl1	340	0.035109459
ensp00000258484	epc2	341	0.035212722
ensp00000320893	asb8	342	0.035315985
ensp00000343298	lrrc41	343	0.035419248
ensp00000362728	kpna6	344	0.035522511
ensp00000354778	cntnap2	345	0.035625774
ensp00000407310	ppp1r10	346	0.035729038
ensp00000330349	ddx41	347	0.035832301
ensp00000216277	papola	348	0.035935564
ensp00000250024	e2f8	349	0.036038827
ensp00000365505	plp2	350	0.03614209
ensp00000371388	srxn1	351	0.036245353
ensp00000338371	tnrc6b	352	0.036348616
ensp00000379144	tnrc6a	353	0.036451879
ensp00000336783	tnrc6c	354	0.036555143
ensp00000352271	xrcc2	356	0.036761669
ensp00000381237	hm13	358	0.036968195
ensp00000344504	h1f0	359	0.037071458
ensp00000016946	rgpd5	360	0.037174721
ensp00000369162	riok1	361	0.037277984
ensp00000378461	pcbp4	363	0.037484511
ensp00000338770	znf420	365	0.037691037
ensp00000361186	tp53rk	367	0.037897563
ensp00000206542	osgep	368	0.038000826
ensp00000265260	pcnp	369	0.038104089
ensp00000362107	fhl3	370	0.038207352
ensp00000420267	nr6a1	371	0.038310615
ensp00000295934	hesx1	372	0.038413879
ensp00000343746	coro2a	373	0.038517142
ensp00000360660	npdc1	375	0.038723668
ensp00000262888	kcnn4	377	0.038930194
ensp00000311505	iqcb1	378	0.039033457
ensp00000306138	grm5	379	0.03913672
ensp00000377372	gap43	380	0.039239983
ensp00000319104	supt6h	382	0.03944651

ensp00000383301	znf74	383	0.039549773
ensp00000235329	mfn2	384	0.039653036
ensp00000313454	uba6	385	0.039756299
ensp00000359380	scd	386	0.039859562
ensp00000358297	rnf115	387	0.039962825
ensp00000339566	hist1h1c	388	0.040066088
ensp00000284503	neil2	389	0.040169352
ensp00000269346	ttyh2	390	0.040272615
ensp00000333537	sall2	392	0.040479141
ensp00000292782	dcun1d1	394	0.040685667
ensp00000276326	fbxo25	396	0.040892193
ensp00000410007	fbxo46	397	0.040995456
ensp00000258200	fbxl8	399	0.041201983
ensp00000264126	gpsm2	400	0.041305246
ensp00000401867	mxd3	401	0.041408509
ensp00000350331	asb13	403	0.041615035
ensp00000417587	peg10	405	0.041821561
ensp00000298510	prdx3	406	0.041924824
ensp00000328251	mina	407	0.042028088
ensp00000224807	sfxn3	409	0.042234614
ensp00000263239	ddx18	410	0.042337877
ensp00000359478	abcc2	411	0.04244114
ensp00000200652	slc22a4	412	0.042544403
ensp00000294338	pdzk1ip1	413	0.042647666
ensp00000233893	hspe1	416	0.042957456
ensp00000290399	sim2	418	0.043163982
ensp00000262901	sim1	419	0.043267245
ensp00000366482	fxn	420	0.043370508
ensp00000310966	cd3eap	421	0.043473771
ensp00000347178	hspb9	422	0.043577034
ensp00000387278	mpp4	423	0.043680297
ensp00000301011	zc3h18	425	0.043886824
ensp00000262498	c16orf80	426	0.043990087
ensp00000318415	rbmxl1	427	0.04409335
ensp00000350090	hnrnpa1l2	428	0.044196613
ensp00000323687	ube2o	429	0.044299876
ensp00000310590	usp36	430	0.044403139
ensp00000320508	rnf185	431	0.044506402
ensp00000389277	tmbim6	432	0.044609665
ensp00000383911	ubac2	433	0.044712929
ensp00000335106	katna1	434	0.044816192
ensp00000297012	hist1h2aa	435	0.044919455
ensp00000255612	pram1	436	0.045022718
ensp00000265755	gtf2ird1	437	0.045125981
ensp00000358372	nbpf8	438	0.045229244
ensp00000219204	arl2bp	440	0.04543577
ensp00000301068	rhebl1	441	0.045539033

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ensp00000334130	c11orf30	443	0.04574556
ensp00000346080	rpl22l1	446	0.046055349
ensp00000298910	lrrk2	447	0.046158612
ensp00000332359	tceal2	448	0.046261875
ensp00000361707	tceal1	450	0.046468401
ensp00000283943	trip12	451	0.046571665
ensp00000216237	l3mbtl2	452	0.046674928
ensp00000307705	hist1h1e	453	0.046778191
ensp00000344393	fcf1	455	0.046984717
ensp00000304133	scg2	456	0.04708798
ensp00000242159	hoxa7	457	0.047191243
ensp00000417303	klf8	458	0.047294506
ensp00000348849	rps26	459	0.04739777
ensp00000253329	ppil4	460	0.047501033
ensp00000306999	esco2	462	0.047707559
ensp00000269142	taf4b	463	0.047810822
ensp00000393159	rfxank	465	0.048017348
ensp00000262376	ubn1	466	0.048120611
ensp00000263208	hira	467	0.048223874
ensp00000411099	tlk1	468	0.048327138
ensp00000307870	ccs	469	0.048430401
ensp00000354346	matr3	471	0.048636927
ensp00000335614	ppfia3	474	0.048946716
ensp00000348784	igbp1	475	0.049049979
ensp00000383402	ppp4r1	476	0.049153242
ensp00000385722	ints1	478	0.049359769
ensp00000318641	ints3	479	0.049463032
ensp00000360821	ubac1	483	0.049876084
ensp00000259335	kiaa0368	484	0.049979347
ensp00000396813	psmb9	485	0.05008261
ensp00000410818	mad2l1bp	488	0.0503924
ensp00000288071	ddx19b	489	0.050495663
ensp00000274680	fars2	490	0.050598926
ensp00000265529	kif9	492	0.050805452
ensp00000160827	kif22	493	0.050908715
ensp00000381824	sac3d1	494	0.051011979
ensp00000318374	leng8	495	0.051115242
ensp00000337405	pcid2	497	0.051321768
ensp00000358571	hipk1	498	0.051425031
ensp00000367991		8-Sep 499	0.051528294
ensp00000330221	spsb1	501	0.05173482
ensp00000311609	spsb4	502	0.051838083
ensp00000345917	lyar	503	0.051941347
ensp00000406888	tcof1	504	0.05204461
ensp00000370968	mybbp1a	505	0.052147873
ensp00000343619	hoxa9	507	0.052354399



ensp00000239165	hoxb7	508	0.052457662
ensp00000291582	aire	509	0.052560925
ensp00000225648	hoxb6	510	0.052664188
ensp00000226105	rangrf	511	0.052767451
ensp00000381290	chtf8	513	0.052973978
ensp00000306123	rpap1	514	0.053077241
ensp00000258455	mrps9	515	0.053180504
ensp00000276585	mrps28	516	0.053283767
ensp00000350815	nr3c2	517	0.05338703
ensp00000346483	ddrgk1	518	0.053490293
ensp00000297229	usp49	519	0.053593556
ensp00000258499	usp44	520	0.053696819
ensp00000349932	ptprs	521	0.053800083
ensp00000316240	dnajc14	523	0.054006609
ensp00000354580	mrpl21	524	0.054109872
ensp00000332162	c1orf64	527	0.054419661
ensp00000310088	ptms	529	0.054626188
ensp00000329454	rcan2	531	0.054832714
ensp00000327107	pdzd3	532	0.054935977
ensp00000342143	pdzk1	533	0.05503924
ensp00000357484	gopc	534	0.055142503
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ensp00000331305	tob2	536	0.055349029
ensp00000348593	zfyve27	537	0.055452292
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ensp00000230340	bysl	579	0.059789343
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ensp00000250784	RPS4Y1	955	0.098616274
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ensp00000362744	RPS4X	1047	0.108116481
ensp00000307889	RPL13	1049	0.108323007
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ensp00000276682	EIF3H	1054	0.108839323
ensp00000220849	EIF3E	1055	0.108942586
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ensp00000369042	ipo7	1090	0.112556795
ensp00000326381	eif4a2	1094	0.112969847
ensp00000313007	pabpc1	1095	0.11307311
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ensp00000401450	rpl28	1097	0.113279637
ensp00000274242	rpl37	1100	0.113589426
ensp00000309334	rpl15	1102	0.113795952
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ensp00000312735	polr2b	1604	0.165634036

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ensp00000219252	polr2c	1606	0.165840562
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ensp00000415678	pfdn6	1934	0.199710863

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ensp00000323511	pnkp	2044	0.211069806
ensp00000400806	aptx	2046	0.211276332
ensp00000331327	wt1	2049	0.211586121
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ensp00000357283	lmna	2052	0.211895911

ensp00000261366	lmnb1	2053	0.211999174
ensp00000300086	terf2ip	2054	0.212102437
ensp00000297338	rad21	2055	0.2122057
ensp00000224862	fbxl15	2057	0.212412226
ensp00000310841	fbxo31	2058	0.212515489
ensp00000339957	usp47	2059	0.212618753
ensp00000380256	ccnf	2060	0.212722016
ensp00000351052	zc3hc1	2061	0.212825279
ensp00000266087	fbxo7	2062	0.212928542
ensp00000384523	nfia	2063	0.213031805
ensp00000396843	nfic	2064	0.213135068
ensp00000243346	nmi	2065	0.213238331
ensp00000003302	usp28	2066	0.213341594
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ensp00000320898	rnf168	2070	0.213754647
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ensp00000372689	stag1	2075	0.214270962
ensp00000313851	pds5b	2076	0.214374226
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ensp00000292853	fbxo27	2086	0.215406857
ensp00000365944	fbxo6	2087	0.21551012
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ensp00000310686	fbxw8	2089	0.215716646
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ensp00000216879	nsfl1c	2097	0.216542751
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ensp00000321507	azin1	2101	0.216955803
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ensp00000293860	polr3k	2110	0.217885171

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ensp00000343273	klhl7	2128	0.219743907
ensp00000343526	usp1	2129	0.219847171
ensp00000262630	zbtb32	2130	0.219950434
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ensp00000291900	zer1	2149	0.221912433
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ensp00000229854	mcm3	2285	0.235956216
ensp00000216122	mcm5	2286	0.23605948
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ensp00000259457	psmb7	2517	0.259913259
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ensp00000372155	psme1	2552	0.263527468
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ensp00000156825	mbd3	2962	0.305865345
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ensp00000295757	hdac11	2965	0.306175134
ensp00000329933	phf12	2966	0.306278397
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ensp00000225402	aatf	2973	0.307001239
ensp00000300408	phb	2974	0.307104502
ensp00000311816	rest	2975	0.307207765
ensp00000376076	sumo1	2977	0.307414292
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ensp00000411397	mark3	2993	0.309066501
ensp00000370826	hr	2995	0.309273028
ensp00000219596	mefv	2997	0.309479554
ensp00000247470	pycard	2998	0.309582817
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ensp00000362649	hdac1	3002	0.309995869
ensp00000381331	hdac2	3003	0.310099133
ensp00000362674	hdac8	3004	0.310202396
ensp00000321835	etv4	3006	0.310408922
ensp00000325875	hsp90ab1	3008	0.310615448
ensp00000262300	pkmyt1	3010	0.310821974
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ensp00000311219	trim59	3012	0.311028501

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ensp00000344683	cdk5rap3	3017	0.311544816
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ensp00000280326	cct5	3086	0.318669971
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ensp00000256460	camk1	3212	0.331681124
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ensp00000263121	smarcb1	3222	0.332713755
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ensp00000249636	pias1	3230	0.33353986
ensp00000381648	pias2	3231	0.333643123
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ensp00000257555	hnf1a	3236	0.334159438
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ensp00000228682	gli1	3257	0.336327964
ensp00000354586	gli2	3259	0.33653449
ensp00000282561	gja1	3260	0.336637753
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ensp00000231509	nr3c1	3262	0.336844279
ensp00000336591	ppp2r2b	3264	0.337050805
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ensp00000320768	rcan1	3267	0.337360595
ensp00000384026	hmga2	3268	0.337463858
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ensp00000262160	smad2	3272	0.33787691
ensp00000332973	smad3	3273	0.337980173
ensp00000352514	runx2	3274	0.338083437
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ensp00000320447	nr2c2	3288	0.33952912
ensp00000379701	hnf4g	3289	0.339632383
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ensp00000312987	hnf4a	3291	0.33983891
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ensp00000323720	med14	3414	0.352540273
ensp00000348610	med24	3415	0.352643536
ensp00000300651	med1	3416	0.352746799
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ensp00000355231	becn1	3422	0.353366378
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ensp00000363812	rxrb	3425	0.353676167
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ensp00000315442	nr1h4	3428	0.353985956
ensp00000412045	txnrd1	3430	0.354192482
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ensp00000234310	ppp3r1	3433	0.354502272
ensp00000378323	ppp3ca	3434	0.354605535
ensp00000265333	vdac1	3436	0.354812061
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ensp00000364430	sp5	3459	0.357187113
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ensp00000251871	med17	3474	0.358736059
ensp00000363193	med12	3475	0.358839323
ensp00000380888	med13	3476	0.358942586
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ensp00000349076	ATN1	3907	0.403448988

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ensp00000225831	ccl2	4076	0.420900454

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ensp00000312999	gnai2	4116	0.425030979
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ensp00000333896	rps6ka4	4453	0.459830648
ensp00000262752	rps6ka6	4454	0.459933912
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ensp00000260402	plcb2	4458	0.460346964
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ensp00000367830	prkcz	4462	0.460760017
ensp00000219255	pard6a	4463	0.46086328
ensp00000347169	numb	4464	0.460966543
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ensp00000271889	creb3l4	4467	0.461276332
ensp00000387699	creb1	4468	0.461379595
ensp00000359573	lmo4	4469	0.461482858
ensp00000258743	il6	4470	0.461586121
ensp00000357470	il6r	4471	0.461689385
ensp00000178640	map2k5	4472	0.461792648
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ensp00000321805	rit2	4474	0.461999174
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ensp00000332737	unc5a	4478	0.462412226
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ensp00000370503	ccm2	4480	0.462618753
ensp00000226004	dusp3	4482	0.462825279
ensp00000282753	grm1	4484	0.463031805
ensp00000356529	rgs16	4485	0.463135068
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ensp00000353483	mapk8	4489	0.463548121
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ensp00000275364	gna12	4492	0.46385791

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ensp00000262445	map2k4	4526	0.467368856
ensp00000256707	kidins220	4528	0.467575382
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ensp00000268603	cdh11	4556	0.470466749
ensp00000268613	cdh13	4557	0.470570012

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ensp00000370935	csf2ra	4563	0.471189591
ensp00000289153	pik3cb	4564	0.471292854
ensp00000222254	pik3r2	4565	0.471396117
ensp00000262741	pik3r3	4566	0.47149938
ensp00000366563	pik3cd	4569	0.47180917
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ensp00000267383	cdh24	4578	0.472738538
ensp00000289746	cdh15	4579	0.472841801
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ensp00000330572	mapk8ip2	4612	0.476249484
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ensp00000263379	il27ra	4637	0.478831062
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ensp00000409346	cish	4639	0.479037588
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ensp00000306124	prkce	4663	0.481515903
ensp00000263125	prkcq	4664	0.481619166
ensp00000348278	stk39	4666	0.481825692
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ensp00000376684	ephb6	4723	0.487711689
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ensp00000353864	pak3	4736	0.48905411
ensp00000278568	pak1	4737	0.489157373
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ensp00000288986	nck1	4765	0.49204874
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ensp00000300574	crk	4772	0.492771582
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ensp00000341189	ptk2	4774	0.492978108
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ensp00000347464	git2	4781	0.49370095
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ensp00000317272	met	4792	0.494836844
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ensp00000283635	cd8a	4868	0.502684841
ensp00000256935	dock2	4871	0.50299463
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ensp00000261937	flt4	4879	0.503820735
ensp00000376865	pdgfd	4880	0.503923998
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ensp00000373399	pip5kl1	4891	0.505059893
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ensp00000357583	inpp5a	4921	0.508157786
ensp00000298229	inpp1l	4922	0.508261049
ensp00000384534	inpp5j	4923	0.508364312
ensp00000254712	inpp5k	4924	0.508467575
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ensp00000269159	impa2	4927	0.508777365
ensp00000262848	prkx	4928	0.508880628
ensp00000359719	prkacb	4931	0.509190417
ensp00000248594	ptpn12	4932	0.50929368
ensp00000303507	bcr	4933	0.509396943
ensp00000216373	sos2	4935	0.50960347
ensp00000250617	arhgef6	4936	0.509706733
ensp00000336740	limk1	4937	0.509809996
ensp00000361824	sptan1	4938	0.509913259
ensp00000311489	sptbn2	4939	0.510016522
ensp00000265062	rab7a	4940	0.510119785
ensp00000303830	insr	4941	0.510223048
ensp00000233154	nck2	4943	0.510429575
ensp00000223023	wasl	4944	0.510532838
ensp00000365891	was	4945	0.510636101
ensp00000362924	gsn	4946	0.510739364
ensp00000338345	snca	4947	0.510842627
ensp00000356587	nphs2	4949	0.511049153
ensp00000352802	wipf1	4950	0.511152416
ensp00000085219	cd22	4952	0.511358943
ensp00000263674	arhgef17	4953	0.511462206
ensp00000253401	arhgef9	4954	0.511565469
ensp00000364277	fgd1	4955	0.511668732
ensp00000364754	mcf2l	4956	0.511771995
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ensp00000357177	arhgef11	4959	0.512081784
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ensp00000269321	arhgdia	4961	0.512288311
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ensp00000250559	rap1b	4963	0.512494837
ensp00000348786	rap1a	4964	0.5125981
ensp00000265036	depdc1b	4965	0.512701363
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ensp00000412292	depdc1	4967	0.512907889
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ensp00000367747	plch2	4969	0.513114416

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ensp00000391372	sh3gl3	4976	0.513837257
ensp00000369981	sh3gl2	4977	0.51394052
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ensp00000358696	plxna3	4986	0.514869888
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ensp00000356000	plxna2	4989	0.515179678
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ensp00000362115	inpp5b	4995	0.515799257
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ensp00000297494	nos3	5055	0.521995043
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ensp00000354519	inpp5f	5057	0.52220157
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ensp00000262138	cacng4	5060	0.522511359
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ensp00000310244	rasgrp1	5067	0.523234201
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ensp00000371219	rhoh	5076	0.524163569
ensp00000338671	rhobtb1	5077	0.524266832
ensp00000355652	rhov	5078	0.524370095
ensp00000238738	rhoq	5079	0.524473358
ensp00000340594	syde2	5081	0.524679884
ensp00000290974	zfyve28	5082	0.524783147
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ensp00000356346	ptprc	5086	0.5251962

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ensp00000260766	plce1	5098	0.526435357
ensp00000313731	plcd3	5099	0.52653862
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ensp00000357624	marcks	5146	0.531391987
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ensp00000219070	mmp2	5151	0.531908302
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ensp00000391106	myo10	5158	0.532631144
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ensp00000359423	mtm1	5204	0.537381247
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ensp00000408236	cyth2	5218	0.538826931
ensp00000272519	ralb	5219	0.538930194

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ensp00000325239	mylpf	5298	0.54708798
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ensp00000252898	tnni2	5910	0.610285006
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ensp00000350332	mybpc2	5914	0.610698059
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ensp00000221466	fcgrt	6183	0.638475836
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ensp00000409605	trim15	6426	0.663568773
ensp00000194214	hspb11	6427	0.663672036
ensp00000405614	wdr46	6431	0.664085089
ensp00000412217	clic1	6432	0.664188352
ensp00000385479	hist2h3a	6435	0.664498141
ensp00000372873	flot1	6436	0.664601404
ensp00000239849	tnfsf11	6437	0.664704667
ensp00000297350	tnfrsf11b	6439	0.664911194
ensp00000414330	rimkla	6440	0.665014457
ensp00000271651	ctsk	6443	0.665324246
ensp00000349708	zmym6	6445	0.665530772
ensp00000236137	slc19a2	6446	0.665634036
ensp00000181796	fam107b	6449	0.665943825
ensp00000358794	slc16a4	6451	0.666150351
ensp00000358799	rbm15	6452	0.666253614
ensp00000366466	ctnnbip1	6453	0.666356877
ensp00000356652	cacybp	6454	0.66646014
ensp00000373107	ppp1r11	6456	0.666666667
ensp00000229725	neu1	6458	0.666873193
ensp00000355060	arhgef10l	6459	0.666976456
ensp00000407961	c2	6461	0.667182982
ensp00000415941	c4b	6462	0.667286245
ensp00000361005	atpaf1	6464	0.667492772
ensp00000416062	ppt2	6467	0.667802561
ensp00000359978	hhla3	6468	0.667905824
ensp00000358451	gdap2	6470	0.66811235
ensp00000396486	hspace1	6471	0.668215613
ensp00000360222	tm2d1	6472	0.668318876
ensp00000367065	hes2	6473	0.66842214
ensp00000392347	hla-g	6474	0.668525403
ensp00000328173	c1s	6476	0.668731929
ensp00000349270	hbm	6478	0.668938455
ensp00000388000	egfl8	6483	0.669454771

ensp00000388842	pou5f1	6484	0.669558034
ensp00000361311	tmem53	6485	0.669661297
ensp00000359042	prpf38b	6486	0.66976456
ensp00000235835	akr7a2	6490	0.670177613
ensp00000388191	zbtb22	6491	0.670280876
ensp00000407195	tapbp	6492	0.670384139
ensp00000292169	s100a1	6493	0.670487402
ensp00000369335	fbxo18	6494	0.670590665
ensp00000365007	dnajc16	6495	0.670693928
ensp00000364956	plekhm2	6496	0.670797191
ensp00000368623	c1orf159	6497	0.670900454
ensp00000338330	paqr6	6498	0.671003717
ensp00000360583	zyg11a	6499	0.671106981
ensp00000402951	hla-dra	6501	0.671313507
ensp00000400104	rxrb	6502	0.67141677
ensp00000367086	acot7	6503	0.671520033
ensp00000364660	c2	6504	0.671623296
ensp00000410321	ly6g5c	6509	0.672139612
ensp00000401338	tmem8a	6510	0.672242875
ensp00000290039	cachd1	6513	0.672552664
ensp00000373106	rnf39	6514	0.672655927
ensp00000358617	phtf1	6515	0.67275919
ensp00000411286	gabbr1	6516	0.672862454
ensp00000262510	nlrc5	6517	0.672965717
ensp00000292199	nlrx1	6518	0.67306898
ensp00000366593	tmem201	6521	0.673378769
ensp00000335203	atpif1	6522	0.673482032
ensp00000414360	hla-dqa1	6523	0.673585295
ensp00000337425	hyal3	6524	0.673688558
ensp00000357901	scnm1	6525	0.673791822
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ensp00000403154	ddah2	6530	0.674308137
ensp00000409428	ly6g6c	6531	0.6744114
ensp00000271357	gpr161	6537	0.675030979
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ensp00000372752	gpsm3	6539	0.675237505
ensp00000362570	fndc5	6540	0.675340768
ensp00000295314	tmod4	6542	0.675547295
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ensp00000367059	espn	6547	0.67606361
ensp00000356156	ppp1r15b	6550	0.676373399
ensp00000358060	tars2	6553	0.676683189
ensp00000293872	luc7l	6558	0.677199504
ensp00000346729	znf589	6559	0.677302767
ensp00000356411	trove2	6562	0.677612557

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ensp00000403557	ppp1r11	6564	0.677819083
ensp00000359490	gbp4	6566	0.678025609
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ensp00000340396	gbp5	6568	0.678232135
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ensp00000403156	gtf2h4	6574	0.678851714
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ensp00000412553	abcf1	6591	0.680607187
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ensp00000360569	scp2	6595	0.68102024
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ensp00000294353	zyg11b	6617	0.683292028
ensp00000367013	tnfrsf25	6618	0.683395291
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ensp00000228918	ltbr	6620	0.683601817
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ensp00000356363	c1orf53	6624	0.68401487
ensp00000312625	hp1bp3	6629	0.684531185
ensp00000325589	ptprcap	6630	0.684634449
ensp00000356579	cep350	6632	0.684840975
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ensp00000317578	adrbk2	6634	0.685047501
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ensp00000342818	znf669	6649	0.686596448
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ensp00000354677	gpx7	6651	0.686802974
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ensp00000411113	c6orf136	6653	0.6870095
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ensp00000357861	selenbp1	6657	0.687422553
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ensp00000272198	ppfia4	6662	0.687938868
ensp00000363638	lypla2	6663	0.688042131
ensp00000361381	slc6a9	6664	0.688145394
ensp00000406250	hla-dpa1	6665	0.688248658
ensp00000383263	cchcr1	6667	0.688455184
ensp00000408453	hla-dmb	6668	0.688558447
ensp00000350009	usp33	6669	0.68866171
ensp00000355343	ubap2l	6671	0.688868236
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ensp00000362936	trnau1ap	6677	0.689487815
ensp00000355927	rps6kc1	6678	0.689591078
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ensp00000379678	pgm5	6686	0.690417183
ensp00000255108	dph2	6688	0.690623709
ensp00000347038	plscr4	6689	0.690726972
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ensp00000360329	ttc4	6696	0.691449814
ensp00000303148	tmem37	6699	0.691759603
ensp00000245912	tnfsf14	6700	0.691862867
ensp00000278187	gas2	6702	0.692069393
ensp00000353472	hla-g	6703	0.692172656
ensp00000388724	hla-a	6704	0.692275919
ensp00000414808	ppp1r11	6705	0.692379182
ensp00000414110	znrd1	6706	0.692482445

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ensp00000356399	cfh	6712	0.693102024
ensp00000378130	cfi	6713	0.693205287
ensp00000313875	cd46	6715	0.693411813
ensp00000413228	c3orf55	6716	0.693515076
ensp00000398462	ppt2	6718	0.693721603
ensp00000286031	c1orf112	6722	0.694134655
ensp00000294360	c1orf123	6723	0.694237918
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ensp00000394155	psmb8	6729	0.694857497
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ensp00000396656	nfbkil1	6732	0.695167286
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ensp00000272203	plekha6	6738	0.695786865
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ensp00000246914	wnk4	6741	0.696096654
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ensp00000320924	wipf2	6749	0.696922759
ensp00000367595	tprg1l	6750	0.697026022
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ensp00000352455	mfap5	6754	0.697439075
ensp00000340292	dlk1	6755	0.697542338
ensp00000263895	rnd3	6756	0.697645601
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ensp00000364550	kdm5c	6762	0.69826518
ensp00000301178	axl	6763	0.698368443
ensp00000263798	tyro3	6764	0.698471706
ensp00000363157	tnfsf15	6765	0.698574969
ensp00000254654	ilkap	6766	0.698678232
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ensp00000403221	trim15	6770	0.699091285
ensp00000216968	procr	6771	0.699194548
ensp00000367104	bfspl	6772	0.699297811

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ensp00000333938	nexn	6779	0.700020653
ensp00000262776	lgals3bp	6781	0.700227179
ensp00000373572	foxi2	6782	0.700330442
ensp00000366702	errfi1	6783	0.700433705
ensp00000204615	thpo	6786	0.700743494
ensp00000279477	sirpb1	6787	0.700846758
ensp00000329942	cd300e	6788	0.700950021
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ensp00000357020	ly9	6793	0.701466336
ensp00000358674	ubl4a	6794	0.701569599
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ensp00000348394	ncdn	6797	0.701879389
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ensp00000347839	rab11fip2	6799	0.702085915
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ensp00000304250	cdk5r2	6805	0.702705494
ensp00000357206	nes	6806	0.702808757
ensp00000358120	plekho1	6807	0.70291202
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ensp00000355568	irf2bp2	6824	0.704667493
ensp00000246533	capns1	6825	0.704770756
ensp00000279247	capn1	6826	0.704874019
ensp00000263317	nox4	6827	0.704977282
ensp00000386175	or2a1	6830	0.705287071
ensp00000325065	or4a15	6831	0.705390335
ensp00000343656	rapgef5	6836	0.70590665
ensp00000296859	rapgef6	6837	0.706009913
ensp00000253754	pdlim4	6838	0.706113176
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ensp00000305988	alcam	6842	0.706526229
ensp00000367650	or5l2	6845	0.706836018
ensp00000299454	or10a5	6850	0.707352334
ensp00000412591	or5v1	6858	0.708178439
ensp00000324557	or2m7	6861	0.708488228
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ensp00000367079	acacb	6863	0.708694754
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ensp00000264896	scarb2	6870	0.709417596
ensp00000272163	lbr	6871	0.709520859
ensp00000265896	sqlc	6873	0.709727385
ensp00000003100	cyp51a1	6874	0.709830648
ensp00000279263	tm7sf2	6875	0.709933912
ensp00000348762	lss	6877	0.710140438
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ensp00000259030	rtp4	6879	0.710346964
ensp00000360302	gria3	6880	0.710450227
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ensp00000281834	tnfsf4	6887	0.711173069
ensp00000363458	ldlrap1	6890	0.711482858
ensp00000286091	pdia4	6892	0.711689385
ensp00000360519	rbp4	6893	0.711792648
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ensp00000291386	ssu72	6921	0.714684015
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ensp00000353475	cldn7	6939	0.716542751
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ensp00000328674	cldn6	6942	0.71685254
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ensp00000391438	flot1	6944	0.717059067
ensp00000418018	ifne	6945	0.71716233



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ensp00000342445	cldn4	6958	0.71850475
ensp00000339292	cldn14	6963	0.719021066
ensp00000308870	cldn15	6964	0.719124329
ensp00000347379	ocln	6965	0.719227592
ensp00000364403	ubr4	6966	0.719330855
ensp00000253408	gfap	6969	0.719640644
ensp00000296280	masp1	6971	0.719847171
ensp00000315136	apba3	6972	0.719950434
ensp00000354947	capza2	6973	0.720053697
ensp00000263168	capza1	6974	0.72015696
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ensp00000278927	esam	6976	0.720363486
ensp00000236147	sell	6977	0.720466749
ensp00000311688	or1s1	6978	0.720570012
ensp00000414688	or2h2	6983	0.721086328
ensp00000362788	or1l6	6984	0.721189591
ensp00000366460	plxdc2	6987	0.72149938
ensp00000351832	rab3gap2	6989	0.721705907
ensp00000305613	cplx1	6990	0.72180917
ensp00000264839	rims1	6991	0.721912433
ensp00000217420	slc32a1	6992	0.722015696
ensp00000355920	slc22a2	6993	0.722118959
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ensp00000264276	als2	6996	0.722428748
ensp00000331983	lrrc16a	6997	0.722532012
ensp00000358715	sorcs3	7000	0.722841801
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ensp00000411012	nsmaf	7003	0.72315159
ensp00000344106	rtn3	7019	0.7248038
ensp00000337541	fam21c	7020	0.724907063
ensp00000328062	kiaa1033	7021	0.725010326
ensp00000240079	ccdc53	7022	0.725113589
ensp00000318016	kiaa0196	7023	0.725216853
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ensp00000300737	stim1	7026	0.725526642
ensp00000328216	orai1	7027	0.725629905

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ensp00000288221	erc2	7029	0.725836431
ensp00000298472	slc18a2	7030	0.725939694
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ensp00000396876	daxx	7032	0.726146221
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ensp00000291231	or3a3	7038	0.726765799
ensp00000305469	or1s2	7042	0.727178852
ensp00000256592	tshb	7046	0.727591904
ensp00000221421	lhb	7048	0.72779843
ensp00000272227	pdia6	7049	0.727901694
ensp00000349954	cgb	7051	0.72810822
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ensp00000407739	or2h1	7054	0.728418009
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ensp00000420502	or2a7	7061	0.729140851
ensp00000419119	or10c1	7062	0.729244114
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ensp00000263033	sytl4	7067	0.72976043
ensp00000415660	tap1	7068	0.729863693
ensp00000372599	tap2	7069	0.729966956
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ensp00000342554	stx2	7078	0.730896324
ensp00000261205	syt1	7079	0.730999587
ensp00000222256	rab3a	7080	0.73110285
ensp00000363229	slc18a3	7081	0.731206113
ensp00000221485	slc17a7	7082	0.731309376
ensp00000314508	gba	7083	0.731412639
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ensp00000354829	sgms1	7085	0.731619166
ensp00000340409	smpd1	7086	0.731722429
ensp00000219334	smpd3	7087	0.731825692
ensp00000374552	rnf216	7088	0.731928955
ensp00000411321	hla-dmb	7089	0.732032218
ensp00000390632	mog	7090	0.732135481
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ensp00000360371	ssbp3	7142	0.737505163
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ensp00000258062	reps1	7547	0.779326724
ensp00000350018	sh3bp1	7548	0.779429988
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ensp00000262134	lpcat2	7554	0.780049566
ensp00000283415	lpcat1	7555	0.780152829
ensp00000371886	jmjd7-pla2g4b	7556	0.780256093
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ensp00000262428	cotl1	7562	0.780875671
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ensp00000321070	me2	7564	0.781082197
ensp00000358719	me1	7565	0.781185461
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ensp00000307241	pdhb	7571	0.781805039
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ensp00000315167	alox12b	7573	0.782011565
ensp00000330442	plb1	7575	0.782218092
ensp00000333142	pla2g6	7576	0.782321355
ensp00000393847	pla2g10	7579	0.782631144
ensp00000364246	pla2g2d	7580	0.782734407
ensp00000243501	pla2g12a	7581	0.78283767
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ensp00000261007	chrna1	7584	0.78314746
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ensp00000390673	vars	7586	0.783353986
ensp00000229340	rab35	7587	0.783457249

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ensp00000297056	daglb	7589	0.783663775
ensp00000220764	decr1	7591	0.783870302
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ensp00000357880	amd1	7598	0.784593143
ensp00000345341	ptges2	7599	0.784696406
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ensp00000285949	cyp26c1	7664	0.791408509
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ensp00000276651	dpys	7667	0.791718298
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ensp00000261465	hsd11b1	7703	0.79543577
ensp00000337224	lrat	7707	0.795848823
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ensp00000318631	hsd17b6	7717	0.796881454
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ensp00000374265	gpx2	7786	0.804006609
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ensp00000222792	chn2	7872	0.812887237
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ensp00000274353	bhmt	7901	0.815881867
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ensp00000296424	bdh2	8029	0.829099546
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ensp00000359976	cth	8039	0.830132177
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ensp00000253004	ass1	8050	0.831268071
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ensp00000233114	mdh1	8053	0.83157786
ensp00000327070	mdh2	8054	0.831681124
ensp00000328938	afmid	8055	0.831784387
ensp00000274813	mut	8056	0.83188765
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ensp00000281317	mmaa	8059	0.832197439
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ensp00000269980	bckdha	8061	0.832403965
ensp00000359151	dbt	8062	0.832507228
ensp00000318351	bckdhb	8063	0.832610492
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ensp00000227868	pdhx	8065	0.832817018
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ensp00000289004	hpd	8078	0.834159438

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ensp00000370223	idh3b	8083	0.834675754
ensp00000260985	idh1	8084	0.834779017
ensp00000216254	aco2	8085	0.83488228
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ensp00000273398	atp6v1a	8561	0.884035523
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ensp00000415203	pigg	9002	0.929574556
ensp00000338127	tesk1	9003	0.929677819
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ensp00000264605	mlph	9005	0.929884345
ensp00000337761	rab27a	9006	0.929987608
ensp00000262094	rab27b	9007	0.930090872
ensp00000265843	exph5	9008	0.930194135
ensp00000353631	syt13	9009	0.930297398
ensp00000346576	syt12	9011	0.930503924
ensp00000199764	ceacam6	9012	0.930607187
ensp00000316464	syt11	9015	0.930916976
ensp00000242786	cd97	9016	0.93102024
ensp00000319883	emr2	9017	0.931123503
ensp00000361646	zmynd12	9018	0.931226766
ensp00000354620	foxj3	9020	0.931433292
ensp00000352920	zmym1	9021	0.931536555
ensp00000361895	mfsd2a	9022	0.931639818
ensp00000356791	dpt	9023	0.931743081
ensp00000360065	wdr78	9024	0.931846344
ensp00000390282	hla-c	9025	0.931949608
ensp00000365817	hla-e	9026	0.932052871
ensp00000265316	abcb6	9028	0.932259397
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ensp00000349396	abcd4	9030	0.932465923
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ensp00000338777	ap3s2	9032	0.932672449
ensp00000327431	hbg1	9034	0.932878976
ensp00000301021	trappc2l	9035	0.932982239
ensp00000351896	trappc4	9036	0.933085502
ensp00000362261	trappc3	9037	0.933188765
ensp00000006275	trappc6a	9039	0.933395291
ensp00000352708	trappc2	9040	0.933498554
ensp00000302783	trappc1	9042	0.933705081
ensp00000377040	aass	9044	0.933911607
ensp00000306477	btd	9045	0.93401487
ensp00000338387	hlcs	9046	0.934118133
ensp00000295598	atp1a1	9047	0.934221396
ensp00000357060	atp1a4	9048	0.934324659
ensp00000286371	atp1b3	9049	0.934427922
ensp00000302397	atp1a3	9050	0.934531185
ensp00000354490	atp1a2	9053	0.934840975
ensp00000362751	rabgap1	9054	0.934944238
ensp00000311449	rab6a	9055	0.935047501
ensp00000307853	mus81	9056	0.935150764
ensp00000339897	eme1	9057	0.935254027
ensp00000307939	gcc2	9058	0.93535729

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ensp00000349351	bicd2	9065	0.936080132
ensp00000281474	bicd1	9066	0.936183395
ensp00000302936	dynlrb2	9069	0.936493185
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ensp00000281543	guf1	9079	0.937525816
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ensp00000402038	mto1	9081	0.937732342
ensp00000351644	gtpbp3	9082	0.937835605
ensp00000301956	acsm1	9083	0.937938868
ensp00000340200	glyat	9084	0.938042131
ensp00000306185	antxr2	9085	0.938145394
ensp00000288532	coq5	9086	0.938248658
ensp00000301945	antxr1	9087	0.938351921
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ensp00000381333	crhr1	9098	0.939487815
ensp00000331106	pex26	9099	0.939591078
ensp00000303511	pex6	9100	0.939694341
ensp00000248633	pex1	9101	0.939797604
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ensp00000354900	gjb1	9103	0.940004131
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ensp00000227135	spa17	9117	0.941449814
ensp00000184183	ropn1	9118	0.941553077
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ensp00000305714	bmp1	9126	0.942379182
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ensp00000251582	adamts2	9130	0.942792235
ensp00000362304	adamts14	9131	0.942895498
ensp00000286657	adamts3	9132	0.942998761
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ensp00000348959	man1a2	9138	0.94361834
ensp00000357453	man1a1	9139	0.943721603
ensp00000360645	man1b1	9140	0.943824866
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ensp00000311888	mgat1	9142	0.944031392
ensp00000256497	edem1	9143	0.944134655
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ensp00000360252	hook1	9147	0.944547708
ensp00000305699	hook3	9148	0.944650971
ensp00000363616	edem2	9149	0.944754234
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ensp00000280904	dsc2	9151	0.94496076
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ensp00000330587	mt1h	9158	0.945683602
ensp00000274565	spink7	9159	0.945786865
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ensp00000260191	htr3b	9166	0.946509707
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ensp00000361512	prps1	9174	0.947335812
ensp00000405295	hla-dra	9175	0.947439075
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ensp00000345008	fbln5	9178	0.947748864
ensp00000261483	man2a1	9179	0.947852127
ensp00000353655	man2a2	9180	0.94795539
ensp00000345270	mgat3	9181	0.948058653
ensp00000338983	muc1	9182	0.948161917

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ensp00000292401	azgp1		9185	0.948471706
ensp00000291009	pip		9186	0.948574969
ensp00000347140	asgr2		9187	0.948678232
ensp00000269299	asgr1		9188	0.948781495
ensp00000222248	slc5a5		9189	0.948884758
ensp00000278198	lrrc4c		9191	0.949091285
ensp00000359085	ntng1		9192	0.949194548
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ensp00000353157		2-Sep	9196	0.9496076
ensp00000341524		6-Sep	9197	0.949710863
ensp00000381992		7-Sep	9198	0.949814126
ensp00000348565	uba5		9199	0.94991739
ensp00000391249		9-Sep	9200	0.950020653
ensp00000239878	ufm1		9201	0.950123916
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ensp00000386331	myo7a		9206	0.950640231
ensp00000299314	gnptab		9207	0.950743494
ensp00000352665	atp2c1		9210	0.951053284
ensp00000264968	mgat4a		9212	0.95125981
ensp00000338487	mgat4b		9213	0.951363073
ensp00000307423	mgat2		9214	0.951466336
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ensp00000391227	mgat5b		9216	0.951672862
ensp00000281923	mgat5		9217	0.951776126
ensp00000345728	atp7a		9218	0.951879389
ensp00000242839	atp7b		9219	0.951982652
ensp00000342626	eya1		9220	0.952085915
ensp00000316854	atox1		9221	0.952189178
ensp00000247182	six1		9222	0.952292441
ensp00000379680	naga		9224	0.952498967
ensp00000343318	b3galt5		9225	0.95260223
ensp00000379353	st8sia1		9226	0.952705494
ensp00000318142	fut7		9227	0.952808757
ensp00000352456	slc33a1		9229	0.953015283
ensp00000341562	b4galnt1		9230	0.953118546
ensp00000318445	st3gal1		9231	0.953221809
ensp00000345477	st3gal2		9232	0.953325072
ensp00000321343	st8sia5		9233	0.953428335
ensp00000417583	st6galnac5		9234	0.953531599
ensp00000291839	st6galnac6		9235	0.953634862
ensp00000329214	st6galnac3		9236	0.953738125
ensp00000366800	dnajc11		9237	0.953841388
ensp00000355299	tsen15		9238	0.953944651
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ensp00000286955	fut6	9243	0.954460967
ensp00000351602	fut4	9244	0.95456423
ensp00000302599	fut9	9246	0.954770756
ensp00000309096	b3gnt1	9247	0.954874019
ensp00000369055	b4galt1	9248	0.954977282
ensp00000349293	b4galt2	9249	0.955080545
ensp00000320965	b4galt3	9250	0.955183808
ensp00000265012	gcnt2	9252	0.955390335
ensp00000356404	b3galt2	9254	0.955596861
ensp00000303740	b3galt1	9255	0.955700124
ensp00000355273	st6gal2	9256	0.955803387
ensp00000316173	b3gnt5	9257	0.95590665
ensp00000321874	b3gnt3	9258	0.956009913
ensp00000377717	st3gal6	9259	0.956113176
ensp00000266718	lum	9260	0.956216439
ensp00000328983	chst6	9262	0.956422966
ensp00000307911	chst2	9263	0.956526229
ensp00000338783	chst5	9264	0.956629492
ensp00000227495	st3gal4	9265	0.956732755
ensp00000262915	st3gal3	9266	0.956836018
ensp00000336733	st6galnac4	9267	0.956939281
ensp00000396774	muc20	9268	0.957042544
ensp00000304207	muc4	9269	0.957145808
ensp00000406861	muc6	9270	0.957249071
ensp00000415183	muc2	9273	0.95755886
ensp00000302021	muc7	9276	0.957868649
ensp00000305595	b3gnt2	9277	0.957971912
ensp00000319636	b3gnt4	9278	0.958075176
ensp00000287590	b3gnt7	9279	0.958178439
ensp00000417175	vapb	9280	0.958281702
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ensp00000297107	galnt10	9303	0.960656753
ensp00000376465	galnt3	9305	0.96086328
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ensp00000315835	galnt11	9308	0.961173069
ensp00000355632	galnt2	9309	0.961276332
ensp00000380488	galnt9	9310	0.961379595
ensp00000265000	galnt7	9311	0.961482858
ensp00000364150	galnt12	9316	0.961999174
ensp00000223122	c1galt1	9319	0.962308963
ensp00000156626	st6galnac1	9320	0.962412226
ensp00000238633	npc2	9324	0.962825279
ensp00000269228	npc1	9325	0.962928542
ensp00000264773	kcnn2	9327	0.963135068
ensp00000369965	btf3	9329	0.963341594
ensp00000403817	naca	9330	0.963444857
ensp00000315757	lcp1	9331	0.963548121
ensp00000394842	gca	9332	0.963651384
ensp00000280772	ank3	9333	0.963754647
ensp00000283256	scn2a	9334	0.96385791
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ensp00000301420	klk1	9341	0.964580752
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ensp00000311402	slc4a2	9344	0.964890541
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ensp00000283254	scn3a	9348	0.965303594
ensp00000322460	scn4b	9349	0.965406857
ensp00000278947	scn2b	9350	0.96551012
ensp00000251287	hcn2	9352	0.965716646
ensp00000261917	hcn4	9353	0.965819909
ensp00000257312	dzip1	9355	0.966026435
ensp00000394033	kcnk2	9358	0.966336225
ensp00000310568	kcnk10	9359	0.966439488
ensp00000378033	kcnk4	9360	0.966542751
ensp00000246801	tsks	9361	0.966646014
ensp00000367766	rpgr	9364	0.966955803
ensp00000188312	actr6	9365	0.967059067
ensp00000307071	c15orf40	9367	0.967265593
ensp00000333551	prosc	9368	0.967368856
ensp00000410732	gabrg2	9370	0.967575382
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ensp00000328875	trak2	9380	0.968608013
ensp00000252971	mnx1	9381	0.968711276
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ensp00000260649	slc3a1	9386	0.969227592
ensp00000300896	usp32	9388	0.969434118

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ensp00000256658	ap4b1	9406	0.971292854
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ensp00000325076	or10g4	9467	0.977591904
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ensp00000322593	or51g2	9522	0.983271375
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ensp00000334441	or10j5	9544	0.985543164
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ensp00000311038	or6m1	9548	0.985956216
ensp00000293614	or7g1	9550	0.986162743
ensp00000335535	or6n1	9551	0.986266006
ensp00000318834	or10h4	9552	0.986369269
ensp00000386209	or2a2	9556	0.986782321
ensp00000387523	or7e24	9557	0.986885584
ensp00000303096	or5a1	9562	0.9874019
ensp00000334456	or5d14	9573	0.988537794
ensp00000307751	or4x2	9574	0.988641057



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ensp00000329210	or2t10	9592	0.990499793
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ensp00000248072	or7c2	9619	0.993287898
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ensp00000333184	or4f15	9674	0.998967369
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