

Significantly Changed Genes NC-ADPKD vs. NK

Protein	Gene symbol	Position	Relative position	Fold change	P value
ensp00000319814	pck1	3713	0.383415944	5.583712739	1.54E-08
ensp00000314151	klk3	5384	0.555968608	-12.17241192	3.70E-05
ensp00000231751	ltf	5437	0.561441553	4.50460022	8.44E-05
ensp00000358525	ngf	4433	0.457765386	2.005692753	9.80E-05
ensp00000296871	csf2	4562	0.471086328	3.821352941	0.000214939
ensp00000317145	gdnf	4764	0.491945477	2.647404444	0.000302276
ensp00000352064	klrc1	5982	0.61771995	5.273866972	0.000325934
ensp00000296140	ccr1	4050	0.418215613	-2.889418535	0.000710883
ensp00000378359	adh6	7781	0.803490293	-5.081081081	0.000790539
ensp00000318867	cyp8b1	7824	0.807930607	-2.797832169	0.00127787
ensp00000236147	sell	6977	0.720466749	3.044065439	0.00157787
ensp00000268933	epn3	4975	0.513733994	-3.220280846	0.00166315
ensp00000355378	plxnb3	6236	0.643948781	2.084190722	0.00173232
ensp00000263413	c6	2525	0.260739364	7.363227517	0.00177939
ensp00000005180	ccl26	4080	0.421313507	2.413398183	0.0018296
ensp00000265440	tfec	2702	0.279016935	-2.004648614	0.00305922
ensp00000242338	cntfr	4628	0.477901694	-3.379596658	0.0034224
ensp00000329210	or2t10	9592	0.990499793	-3.053191489	0.0038099
ensp00000265643	gal	4036	0.41676993	2.804490385	0.00453194
ensp00000305355	prkcb	5216	0.538620405	-3.297926156	0.00478743
ensp00000269346	ttyh2	390	0.040272615	-3.623704318	0.00516668
ensp00000351671	ccl20	4060	0.419248245	3.235491082	0.00536753
ensp00000244709	trem1	8754	0.903965304	7.405157409	0.00566153
ensp00000287641	sst	3946	0.407476249	3.423913043	0.00606264
ensp00000288490	dgki	7200	0.743494424	3.658469718	0.00684863
ensp00000222482	cpa4	24	0.002478315	2.332882246	0.00742684
ensp00000312326	aoc3	7885	0.814229657	3.410155335	0.00805939
ensp00000339398	hla-dqa1	5722	0.590871541	2.276194685	0.00885913
ensp00000414360	hla-dqa1	6523	0.673585295	2.276194685	0.00885913
ensp00000387892	hla-dqa1	8745	0.903035936	2.276194685	0.00885913
ensp00000409127	hla-dqa1	8746	0.903139199	2.276194685	0.00885913
ensp00000372738	hla-dqa1	8885	0.917492772	2.276194685	0.00885913
ensp00000287713	nmnat2	2775	0.286555143	3.46	0.00905935
ensp00000364430	sp5	3459	0.357187113	2.751449277	0.00995578

Significantly Changed Genes C-ADPKD vs. NK

Protein	Gene symbol	Position	Relative position	Fold change	P value
ensp00000303153	col22a1	5701	0.588703015	14.96810103	1.49E-10
ensp00000064724	cldn11	6940	0.716646014	46.73731658	3.97E-10
ensp00000377265	tfap2b	334	0.03448988	22.32258065	1.59E-09
ensp00000420295	pde6b	2724	0.281288724	20.58120513	2.36E-09
ensp00000270279	cbic	4731	0.488537794	17.0283617	8.79E-09
ensp00000297268	col1a2	5661	0.584572491	8.954545455	9.88E-09
ensp00000363298	bspry	7345	0.758467575	29.10415625	2.29E-08

ensp00000332643	ndn	3762	0.388475836	38.32463854	2.98E-08
ensp00000284440	uchl1	3180	0.328376704	5.007540453	3.59E-08
ensp00000220772	sfrp1	3693	0.381350682	28.04589729	4.19E-08
ensp00000351206	txlnb	7377	0.761771995	24.56	6.23E-08
ensp00000291009	pip	9186	0.948574969	19.4999801	1.93E-07
ensp00000354376	rab25	7494	0.773853779	30.14443333	3.60E-07
ensp00000260197	sorl1	8269	0.853882693	18.9327572	5.26E-07
ensp00000306099	fgb	5420	0.55968608	-2.5778947	6.46E-07
ensp00000368727	xdh	7662	0.791201983	2.361702128	7.66E-07
ensp00000296026	cxcl3	3978	0.410780669	2.197457478	7.83E-07
ensp00000309757	lpl	5103	0.526951673	15.17477201	8.16E-07
ensp00000255192	bhmt2	7900	0.815778604	20.72387259	8.42E-07
ensp00000156626	st6galnac1	9320	0.962412226	17.15466717	8.63E-07
ensp00000259455	gabbr2	4239	0.437732342	39.11545984	9.32E-07
ensp00000296849	nkd2	3549	0.366480793	-2.766307199	9.45E-07
ensp00000262262	cd33	8714	0.899834779	-22.43399286	1.01E-06
ensp00000330658	pappa	5744	0.593143329	3.403507519	1.04E-06
ensp00000279441	mmp10	5504	0.568360182	16.341675	1.08E-06
ensp00000340200	glyat	9084	0.938042131	-7.468387931	1.15E-06
ensp00000244458	pacsin1	5553	0.573420074	-2.465950909	1.23E-06
ensp00000327107	pdzd3	532	0.054935977	-4.927565661	1.29E-06
ensp00000398028	npr3	8551	0.883002891	-2.699724518	1.38E-06
ensp00000367462	olah	7458	0.770136307	9.140350877	1.39E-06
ensp00000299106	jam3	5214	0.538413879	23.47543193	1.48E-06
ensp00000309270	chst1	9289	0.95921107	-13.54070128	1.67E-06
ensp00000258499	usp44	520	0.053696819	18.84692975	1.83E-06
ensp00000296435	camp	603	0.062267658	-14.70454545	1.91E-06
ensp00000306361	fga	5419	0.559582817	-13.74192662	1.91E-06
ensp00000355627	agt	8848	0.913672036	-2.069642448	2.00E-06
ensp00000229030	fzd10	3730	0.385171417	20.64635445	2.14E-06
ensp00000321853	serpinf2	5259	0.543060719	-3.475370806	2.33E-06
ensp00000263341	il1b	4389	0.453221809	2.153845275	2.68E-06
ensp00000372160	dok6	4726	0.488021479	11.29884483	2.89E-06
ensp00000261254	ccnd2	2763	0.285315985	2.156579998	3.01E-06
ensp00000369071	postn	7251	0.748760843	28.15475	3.31E-06
ensp00000355920	slc22a2	6993	0.722118959	11.50000079	3.60E-06
ensp00000306884	cxcl11	4087	0.422036349	10.19492389	3.66E-06
ensp00000260795	fgfr3	4877	0.503614209	-2.836495762	3.81E-06
ensp00000410294	fgfr2	4791	0.494733581	-3.046526502	4.15E-06
ensp00000417583	st6galnac5	9234	0.953531599	11.95276532	4.74E-06
ensp00000261195	gys2	3635	0.375361421	-2.009956008	5.21E-06
ensp00000371372	atp12a	8656	0.893845518	14.38774042	5.57E-06
ensp00000294339	tal1	3153	0.3255886	5.032721806	5.85E-06
ensp00000302648	nrtm	6002	0.619785213	-4.76539378	6.21E-06
ensp00000216274	ripk3	4326	0.446716233	10.72331959	6.23E-06
ensp00000355556	gng4	4194	0.433085502	2.280995163	6.46E-06
ensp00000327453	acsm2b	8508	0.878562577	-3.045171811	8.63E-06

ensp00000365301	fgf14	5029	0.519310202	-2.042141398	8.79E-06
ensp00000282111	tcf7l1	3411	0.352230483	11.79311158	9.23E-06
ensp00000320935	slc2a4	3712	0.383312681	-9.563322953	9.90E-06
ensp00000263182	bbox1	8124	0.838909542	-12.59481673	9.91E-06
ensp00000354677	gpx7	6651	0.686802974	7.051725155	1.02E-05
ensp00000226524	pf4v1	3952	0.408095828	12.05982051	1.03E-05
ensp00000414330	rimkla	6440	0.665014457	11.74011864	1.07E-05
ensp00000288221	erc2	7029	0.725836431	2.736919283	1.09E-05
ensp00000362171	nap1l3	26	0.002684841	8.342867624	1.13E-05
ensp00000260404	pak6	4735	0.488950847	8.262298468	1.15E-05
ensp00000359074	l1cam	5446	0.562370921	18.02610263	1.17E-05
ensp00000316328	ciita	5324	0.549772821	-10.93374153	1.31E-05
ensp00000379310	casc1	1584	0.163568773	-2.523678254	1.33E-05
ensp00000312987	hnf4a	3291	0.33983891	-5.543046122	1.33E-05
ensp00000368632	gata3	3232	0.333746386	19.50494108	1.43E-05
ensp00000383558	gcgr	4125	0.425960347	17.08108108	1.59E-05
ensp00000309572	tert	2947	0.304316398	-2.478050696	1.93E-05
ensp00000301242	ppp1r14a	3676	0.379595209	2.167777825	1.96E-05
ensp00000330959	il1r2	4391	0.453428335	-2.00395962	2.10E-05
ensp00000348170	hp	8651	0.893329203	-2.368095232	2.12E-05
ensp00000282728	hhex	9383	0.968917803	12.70422726	2.35E-05
ensp00000304930	sostdc1	5873	0.606464271	-5.391145901	2.38E-05
ensp00000371471	rsad2	5347	0.552147873	24.71424063	2.62E-05
ensp00000359478	abcc2	411	0.04244114	-2.303585235	2.66E-05
ensp00000295550	col6a3	5688	0.587360595	16.51404819	2.84E-05
ensp00000264708	pomc	3865	0.399111937	11.83694366	2.94E-05
ensp00000172229	ngfr	4432	0.457662123	-8.698853012	3.09E-05
ensp00000381876	daam2	3597	0.371437423	-2.658357341	3.10E-05
ensp00000364898	syk	4836	0.499380421	21.21426407	3.10E-05
ensp00000350928	gad1	7909	0.816707972	15.57260127	3.71E-05
ensp00000258743	il6	4470	0.461586121	2.033492823	3.86E-05
ensp00000264260	il18rap	4285	0.442482445	-15.54783961	4.05E-05
ensp00000265944	myo3a	6056	0.625361421	3.104516949	4.20E-05
ensp00000259365	tmod1	5808	0.599752169	7.140842556	4.30E-05
ensp00000261233	irak3	4345	0.448678232	11.61269128	4.42E-05
ensp00000220809	plat	5318	0.549153242	2.534677716	4.53E-05
ensp00000351190	itih2	6867	0.709107807	-9.540117401	4.72E-05
ensp00000226317	cxcl6	4022	0.415324246	9.928033042	4.78E-05
ensp00000310721	cyp7b1	7843	0.809892606	-2.151328221	4.87E-05
ensp00000263621	elane	5414	0.559066501	-5.95044907	5.04E-05
ensp00000284240	thy1	5422	0.559892606	3.01515322	5.18E-05
ensp00000222792	chn2	7872	0.812887237	4.44528847	5.34E-05
ensp00000265709	ank1	6841	0.706422966	3.365934206	5.63E-05
ensp00000263339	il1a	4388	0.453118546	25.83333333	5.99E-05
ensp00000394033	kcnk2	9358	0.966336225	-2.94778133	6.12E-05
ensp00000335083	ppp2r2c	3265	0.337154069	10.7452234	6.27E-05
ensp00000255082	acy3	7956	0.821561338	-6.386378939	6.77E-05

ensp00000342445	cldn4	6958	0.71850475	2.311060662	6.82E-05
ensp00000254262	c19orf40	2132	0.22015696	-2.321802524	7.08E-05
ensp00000327145	flnc	5683	0.586844279	2.102519851	7.93E-05
ensp00000360918	ch25h	7817	0.807207765	15.7111	8.15E-05
ensp00000351682	cndp1	7968	0.822800496	-9.748673662	8.22E-05
ensp00000292513	ptger1	4210	0.434737712	13.25263329	8.35E-05
ensp00000275815	epha1	4813	0.49700537	8.28358209	8.42E-05
ensp00000415941	c4b	6462	0.667286245	-2.135488051	8.57E-05
ensp00000364321	c4b	7453	0.769619992	-2.135488051	8.57E-05
ensp00000410321	ly6g5c	6509	0.672139612	-2.583778941	8.69E-05
ensp00000289422	nrg2	4649	0.480070219	6.826096101	8.70E-05
ensp00000344874	gucy1a2	2353	0.242978108	-2.188732882	9.71E-05
ensp00000347379	ocln	6965	0.719227592	6.336273128	9.76E-05
ensp00000330074	hist1h1b	2012	0.207765386	18.91840596	9.78E-05
ensp00000264563	il11	6014	0.62102437	2.408425824	9.86E-05
ensp00000410668	tnf	4314	0.445477076	15	0.000100813
ensp00000392858	tnf	4353	0.449504337	15	0.000100813
ensp00000398698	tnf	4354	0.4496076	15	0.000100813
ensp00000365290	tnf	6348	0.65551425	15	0.000100813
ensp00000283921	hoxa10	137	0.014147047	9.976653706	0.000101158
ensp00000264257	il1rl2	8757	0.904275093	4.180453316	0.000102678
ensp00000284818	ly96	4418	0.456216439	2.16111	0.000103689
ensp00000368966	trpc3	5123	0.529016935	-3.765552354	0.000105712
ensp00000306157	il7r	4596	0.474597274	7.666674419	0.000105783
ensp00000308032	cyp2s1	7800	0.805452292	6.402355954	0.000108339
ensp00000228938	mgp	5149	0.531701776	13.21152576	0.000109874
ensp00000296280	masp1	6971	0.719847171	2.343352668	0.000109957
ensp00000343477	runx3	3664	0.378356051	-10.11904762	0.000110619
ensp00000367830	prkc2	4462	0.460760017	2.173560877	0.000110685
ensp00000290341	igf2bp1	1945	0.200846758	2.523163083	0.000112797
ensp00000261205	syt1	7079	0.730999587	11.88289189	0.000113513
ensp00000367714	hes5	3276	0.338289963	10.26597901	0.000115042
ensp00000217407	lbp	4368	0.451053284	-3.325651766	0.000115942
ensp00000254508	nup210	1338	0.138166047	35.36842105	0.000116698
ensp00000263080	aspa	7957	0.821664601	-10.79278378	0.000119527
ensp00000320378	slc7a8	8668	0.895084676	19.62789578	0.000121123
ensp00000282356	camk4	3626	0.374432053	6.20855947	0.000122135
ensp00000306888	fam151a	7592	0.783973565	-6.399118421	0.000123373
ensp00000357040	vangl2	3540	0.365551425	25.09087651	0.000124046
ensp00000338185	plcb1	4457	0.460243701	8.916666667	0.00012471
ensp00000364475	fbp1	7280	0.751755473	14.99002499	0.000130016
ensp00000355884	mark1	2992	0.308963238	10.79103672	0.000130542
ensp00000339292	cldn14	6963	0.719021066	14.86486815	0.000138106
ensp00000296140	ccr1	4050	0.418215613	-4.435429681	0.000140211
ensp00000243213	il13ra2	4592	0.474184221	29.98513431	0.00014043
ensp00000296414	dapp1	4797	0.49535316	10.9395298	0.000142421
ensp00000342114	icam4	5495	0.567430814	3.498495495	0.00014881

ensp00000337731	cideb	4153	0.428851714	-2.568388569	0.00015467
ensp00000358301	adrb1	3819	0.394361834	11.58930499	0.000159368
ensp00000266085	timp3	6030	0.62267658	21.15043261	0.00016184
ensp00000167586	krt14	3446	0.355844692	33.41993316	0.000162532
ensp00000298841	serpina4	9340	0.964477489	-3.000003386	0.000163405
ensp00000258873	acsbg1	7424	0.766625361	-4.70270588	0.000163564
ensp00000342235	erbb4	4694	0.484717059	14.9926	0.000172766
ensp00000353362	cacna1a	4242	0.438042131	19.8111	0.000188387
ensp00000340396	gbp5	6568	0.678232135	7.716490868	0.000191289
ensp00000361943	heyl	3216	0.332094176	11.25518018	0.000192667
ensp00000272134	lefty1	5813	0.600268484	-5.32751761	0.000200717
ensp00000356905	vnn1	8380	0.865344899	11.61445783	0.000203037
ensp00000228850	akap3	8638	0.891986782	10.21593206	0.000206187
ensp00000293272	ccl5	4058	0.419041718	5.829622222	0.000208656
ensp00000234371	kiss1r	4274	0.441346551	4.619836934	0.00020948
ensp00000354490	atp1a2	9053	0.934840975	-32.49017647	0.000217738
ensp00000332052	pcsk6	7440	0.768277571	-6.497647887	0.000225379
ensp00000359410	ephx4	7459	0.77023957	2.004259799	0.000231058
ensp00000173229	ntn1	4856	0.501445684	21.72220833	0.000232817
ensp00000297991	aqp3	5333	0.550702189	-3.356671851	0.000240107
ensp00000378359	adh6	7781	0.803490293	-5.936835856	0.000245435
ensp00000279804	ctf1	6015	0.621127633	2.154882227	0.000248724
ensp00000285018	wnt7a	3757	0.387959521	18.36170213	0.000249232
ensp00000356991	pvr14	5595	0.577757125	7.569582524	0.000250749
ensp00000296871	csf2	4562	0.471086328	6.533771242	0.000252431
ensp00000296027	cxcl5	4061	0.419351508	2.500287271	0.000260221
ensp00000350616	ddc	7945	0.820425444	-12.06565152	0.000261183
ensp00000231751	ltf	5437	0.561441553	3.688933896	0.000270783
ensp00000225964	col1a1	5662	0.584675754	15.35682143	0.000289198
ensp00000253513	ido1	7944	0.820322181	7.657572727	0.000299825
ensp00000282641	a1cf	103	0.010636101	-6.079597015	0.000311038
ensp00000307046	sdc2	5650	0.583436596	-2.888027243	0.000312413
ensp00000337383	nlrp3	2741	0.283044197	14.08917617	0.000314775
ensp00000290399	sim2	418	0.043163982	18.41665625	0.000322042
ensp00000345512	sema6a	6293	0.649834779	5.151829763	0.000329565
ensp00000363157	tnfsf15	6765	0.698574969	12.05299474	0.000337218
ensp00000298472	slc18a2	7030	0.725939694	15.239103	0.000345974
ensp00000379895	gatm	8049	0.831164808	2.57801126	0.00035331
ensp00000307694	kcns1	8449	0.872470054	8.969574536	0.000356517
ensp00000308012	pabpc5	258	0.026641884	23.43753662	0.000366896
ensp00000344173	grm8	8340	0.861214374	6.771611111	0.000371604
ensp00000354416	ccl28	3984	0.411400248	4.05166333	0.000383339
ensp00000252729	cacng6	5172	0.534076828	6.160533057	0.000385731
ensp00000296641	f2rl2	4414	0.455803387	12.03669912	0.000389644
ensp00000361508	pltp	7867	0.812370921	2.236915709	0.00039091
ensp00000296370	s100p	108	0.011152416	13.04348535	0.000391007
ensp00000320886	mixipl	6862	0.708591491	-5.591463415	0.000391032

ensp00000409605	trim15	6426	0.663568773	-9.037300699	0.000394494
ensp00000403221	trim15	6770	0.699091285	-9.037300699	0.000394494
ensp00000297450	angpt1	4717	0.487092111	-4.061575454	0.000406823
ensp00000308576	rhod	5007	0.517038414	7.689050881	0.000407363
ensp00000351671	ccl20	4060	0.419248245	9.987128991	0.00040864
ensp00000354207	ntrk3	4738	0.489260636	-3.211367816	0.000411597
ensp00000340191	fpr2	4131	0.426579926	-4.893333333	0.000411854
ensp00000264399	prkg2	3674	0.379388682	2.27184466	0.000419689
ensp00000263388	notch3	3350	0.345931433	2.317444816	0.000426113
ensp00000309148	klk6	7438	0.768071045	4.192997118	0.00042891
ensp00000346693	elovl2	7559	0.780565882	3.787798079	0.000429405
ensp00000287641	sst	3946	0.407476249	12.5725	0.000433269
ensp00000225275	mpo	4624	0.477488641	3.37037037	0.000446471
ensp00000253754	pdlim4	6838	0.706113176	12.92025333	0.000446832
ensp00000384264	cnga1	3898	0.40251962	7.223459652	0.000462271
ensp00000312021	fut1	9240	0.954151177	2.694159794	0.000474401
ensp00000338171	skap1	6173	0.637443205	3.330409357	0.000474553
ensp00000363985	mtmr8	9114	0.941140025	4.137174397	0.000478122
ensp00000250448	foxa1	5483	0.566191656	9.674901235	0.000481448
ensp00000201031	tfap2c	335	0.034593143	-2.872427984	0.000494946
ensp00000270800	il22ra1	4621	0.477178852	-2.812717645	0.000498527
ensp00000416387	fblim1	5545	0.572593969	4.240440681	0.000522337
ensp00000318867	cyp8b1	7824	0.807930607	-6.566329881	0.000529853
ensp00000358042	qrs1	68	0.007021892	-2.606190065	0.000541189
ensp00000255266	pde6a	2725	0.281391987	-9.937875815	0.000553976
ensp00000291539	pde9a	2744	0.283353986	11.67157353	0.000557508
ensp00000278927	esam	6976	0.720363486	4.07246087	0.000564559
ensp00000277480	lcn2	7529	0.777467988	2.038852459	0.000573697
ensp00000367059	espn	6547	0.67606361	-2.370971218	0.00058212
ensp00000242338	cntfr	4628	0.477901694	-4.909469136	0.000584223
ensp00000244709	trem1	8754	0.903965304	11.31032646	0.000585961
ensp00000396774	muc20	9268	0.957042544	4.094853659	0.000604168
ensp00000304767	p2ry1	4253	0.439178026	-4.400560965	0.00061902
ensp00000331504	fes	4659	0.48110285	10.86573611	0.00062077
ensp00000329797	cadm1	9395	0.97015696	2.262590832	0.000628584
ensp00000259988	fgfbp1	7132	0.736472532	2.086206897	0.000628741
ensp00000256935	dock2	4871	0.50299463	2.075075144	0.000640681
ensp00000259206	il1rn	8756	0.90417183	3.430533142	0.000646588
ensp00000312397	klhl3	2138	0.220776539	8.573333333	0.000657724
ensp00000314151	klk3	5384	0.555968608	-21.39395455	0.000659988
ensp00000297404	kcnv1	8472	0.874845105	-3.929245936	0.000663962
ensp00000304004	foxa3	5485	0.566398183	2.149138382	0.000674311
ensp00000254691	card6	7588	0.783560512	2.090784044	0.00069375
ensp00000406367	gpr124	6290	0.64952499	2.133021824	0.000717474
ensp00000249750	aldh1a2	7729	0.798120611	4.58219335	0.000727153
ensp00000361214	nrg3	9183	0.94826518	15.02439024	0.000731798
ensp00000263126	akr1c4	7756	0.800908715	-3.338503876	0.000736641

ensp00000353475	cldn7	6939	0.716542751	2.236950469	0.000737108
ensp00000299333	scn3b	286	0.029533251	10.20224696	0.000738427
ensp00000258411	wnt10a	3720	0.384138786	3.658335	0.000744936
ensp00000354822	xaf1	5363	0.553800083	8.348423845	0.000769253
ensp00000257818	lmo2	7139	0.737195374	17.66369233	0.000796882
ensp00000278187	gas2	6702	0.692069393	-3.598331796	0.000804642
ensp00000265643	gal	4036	0.41676993	9.073721154	0.000804845
ensp00000361366	sftpd	3294	0.340148699	7.959649309	0.000812159
ensp00000305603	fut3	9242	0.954357703	16.13636762	0.000816259
ensp00000291670	ftcd	8260	0.852953325	4.066668966	0.000818603
ensp00000263925	lnx1	6800	0.702189178	7.854649915	0.00084086
ensp00000353198	pyy	3951	0.407992565	5.625857143	0.000869072
ensp00000420168	gsta2	7805	0.805968608	-2.053712943	0.000871433
ensp00000258443	edar	113	0.011668732	6.442307692	0.000882326
ensp00000289429	cd1a	7337	0.75764147	3.995438356	0.000897145
ensp00000369003	trpc4	5124	0.529120198	3.391553037	0.000907518
ensp00000362334	psmb2	2515	0.259706733	2.064373016	0.000907935
ensp00000261523	rora	3320	0.34283354	2.164024078	0.00091683
ensp00000287713	nmnat2	2775	0.286555143	9.16	0.000925739
ensp00000352064	klrc1	5982	0.61771995	6.743716957	0.000930448
ensp00000302707	fpr1	4013	0.414394878	-4.43949313	0.000938893
ensp00000322390	fgf13	5044	0.520859149	3.629627778	0.000944841
ensp00000324527	myo1d	7237	0.747315159	2.064266975	0.00095134
ensp00000317145	gdnf	4764	0.491945477	2.506666667	0.000953695
ensp00000362784	or5c1	9514	0.982445271	2.515994704	0.000966207
ensp00000277120	ntrk2	4614	0.47645601	3.437698628	0.000967148
ensp00000379204	bmp7	5815	0.60047501	9.076278878	0.000988514
ensp00000410443	hla-dra	5721	0.590768278	-3.258780737	0.00100605
ensp00000372608	hla-dra	5724	0.591078067	-3.258780737	0.00100605
ensp00000372746	hla-dra	6381	0.658921933	-3.258780737	0.00100605
ensp00000402951	hla-dra	6501	0.671313507	-3.258780737	0.00100605
ensp00000405295	hla-dra	9175	0.947439075	-3.258780737	0.00100605
ensp00000348888	pigr	5184	0.535315985	8.12586145	0.00103682
ensp00000358423	rragd	3548	0.36637753	2.215434084	0.00105114
ensp00000282499	gria4	6747	0.696716233	6.855716418	0.00105278
ensp00000307875	b3gat1	6178	0.637959521	10.12697619	0.00105394
ensp00000295156	vsnl1	8115	0.837980173	-2.456845274	0.00105602
ensp00000255189	dmgdh	8162	0.84283354	3.358125678	0.00107681
ensp00000375748	fut2	9241	0.95425444	10.67126119	0.00108607
ensp00000217086	sall4	7246	0.748244527	3.858333333	0.00108925
ensp00000388548	cited1	3217	0.332197439	-2.125377799	0.00109019
ensp00000236147	sell	6977	0.720466749	5.54237476	0.00109823
ensp00000357461	chrnb2	8374	0.86472532	2.688268519	0.00110949
ensp00000362616	nap1l2	25	0.002581578	2.229421053	0.00114621
ensp00000291294	ptgir	3853	0.39787278	9.234840909	0.00115384
ensp00000341032	wnt7b	3699	0.38197026	2.378927911	0.00116582
ensp00000003084	cftr	3256	0.336224701	11.17045455	0.00121097

ensp00000381654	hmgcl1	8205	0.847273854	3.946425483	0.00121305
ensp00000360806	kcnb1	8389	0.866274267	-3.980178378	0.00121332
ensp00000420419	jam2	5213	0.538310615	2.447920967	0.00122548
ensp00000260682	cyp2c9	7752	0.800495663	-3.790232759	0.00122733
ensp00000287020	gdf6	5925	0.611833953	2.971303337	0.00123088
ensp00000301732	abca3	1120	0.115654688	2.304288991	0.00123502
ensp00000288135	kit	4683	0.483581165	14.87877273	0.00124458
ensp00000374309	lama1	5570	0.575175547	2.254828977	0.00125813
ensp00000341682	slc26a9	6924	0.714993804	5.672131148	0.00128743
ensp00000263686	selp	6078	0.627633209	5.862976562	0.0013312
ensp00000357013	cd244	5995	0.619062371	3.562279871	0.00135314
ensp00000369323	npnt	6080	0.627839736	7.522699602	0.00135654
ensp00000216629	bdkrb1	4133	0.426786452	2.438705744	0.00138145
ensp00000265728	dbf4	2326	0.240190004	-3.208462559	0.00139923
ensp00000300406	gngt2	4244	0.438248658	4.173	0.00141045
ensp00000227752	il10ra	4641	0.479244114	9.337016208	0.00142385
ensp00000393847	pla2g10	7579	0.782631144	12.22222222	0.00145371
ensp00000361009	prex1	4310	0.445064023	2.53091308	0.00147265
ensp00000285393	atp6v0d2	8558	0.883725733	4.736609493	0.00153481
ensp00000355245	pax9	625	0.064539447	-2.042850455	0.00153853
ensp00000329668	shc4	4848	0.500619579	2.510723217	0.00156615
ensp00000305355	prkcb	5216	0.538620405	-11.06915007	0.00157441
ensp00000373024	c6orf15	6334	0.654068567	8.120682655	0.00157648
ensp00000261374	hs3st2	6068	0.626600578	4.147854417	0.00158546
ensp00000354478	dlx1	1325	0.136823627	2.72444	0.00158805
ensp00000311997	nefh	5803	0.599235853	4.125568493	0.00159632
ensp00000358309	epha7	4809	0.496592317	13.66240298	0.00160497
ensp00000356505	ncf2	5279	0.545125981	4.906145631	0.00162509
ensp00000245479	sox9	1758	0.181536555	5.547356454	0.00163661
ensp00000359603	col24a1	5698	0.588393226	3.747743243	0.00165979
ensp00000355378	plxnb3	6236	0.643948781	3.530927835	0.00166183
ensp00000360561	entpd8	2616	0.270136307	-5.09375	0.00174171
ensp00000155840	kcnq1	8273	0.854295746	13.92360417	0.00176815
ensp00000365943	pcsk5	6258	0.64622057	2.404695593	0.0017839
ensp00000377303	renbp	8856	0.914498141	2.379312909	0.00178769
ensp00000362299	eng	3465	0.357806691	2.375110758	0.00183576
ensp00000262752	rps6ka6	4454	0.459933912	6.074764521	0.00184097
ensp00000285949	cyp26c1	7664	0.791408509	2.30658642	0.00185084
ensp00000295731	ihh	5853	0.604399009	-4.138646018	0.00185817
ensp00000340937	col17a1	5697	0.588289963	3.474293284	0.00187266
ensp00000260187	usp2	2982	0.307930607	-2.591016178	0.0018845
ensp00000310244	rasgrp1	5067	0.523234201	10.97143484	0.00189432
ensp00000363680	eda	114	0.011771995	6.245617225	0.00190006
ensp00000304408	col3a1	5660	0.584469228	24.16664286	0.00190219
ensp00000220507	rhov	5073	0.523853779	2.264705882	0.00192221
ensp00000301908	pnoc	4009	0.413981826	11.00002658	0.0019231
ensp00000352561	calcr	3854	0.397976043	-2.050762099	0.00193555

ensp00000257549	sds	8150	0.841594382	-2.041204946	0.00193727
ensp00000330442	plb1	7575	0.782218092	2.057804905	0.00195238
ensp00000294117	gng3	4193	0.432982239	-3.991602517	0.00196417
ensp00000385149	neu4	8139	0.840458488	-4.69307163	0.0019793
ensp00000252971	mnx1	9381	0.968711276	9.34321638	0.0019813
ensp00000271636	cgn	5144	0.531185461	2.025493608	0.00201688
ensp00000205948	apoh	5787	0.597583643	-4.41176656	0.00212133
ensp00000200307	ccl7	4077	0.421003717	6.596389516	0.00213953
ensp00000288490	dgki	7200	0.743494424	5.563097117	0.00214467
ensp00000302269	vav1	4831	0.498864106	8.061946045	0.00216638
ensp00000289746	cdh15	4579	0.472841801	-3.013908521	0.00218102
ensp00000299339	cldn10	6957	0.718401487	11.38725	0.00219681
ensp00000288139	cacna1d	5174	0.534283354	-3.67293478	0.00226372
ensp00000369962	igsf5	5212	0.538207352	-5.372006149	0.00226662
ensp00000354280	prss3	5619	0.58023544	3.344739927	0.00230447
ensp00000417229	eif2a	1283	0.132486576	-2.374434138	0.00241877
ensp00000296029	pf4	4336	0.447748864	5.332610865	0.00244271
ensp00000249016	mchr1	4104	0.423791822	9.590485714	0.00244593
ensp00000332116	pde4b	2714	0.280256093	10.5	0.00245842
ensp00000386896	itga6	5563	0.574452705	3.319878658	0.00248379
ensp00000336829	fgg	5421	0.559789343	-5.572908774	0.00249683
ensp00000312506	cspg4	6090	0.628872367	5.084418886	0.00261399
ensp00000375069	col23a1	5712	0.58983891	-2.40740625	0.00274797
ensp00000408617	hdac9	2967	0.30638166	9.840931637	0.00275596
ensp00000318212	kcnh6	8456	0.873192895	-4.558305498	0.00276444
ensp00000222482	cpa4	24	0.002478315	3.25407915	0.00285372
ensp00000243997	atp5e	8622	0.890334572	-3.247026786	0.00296649
ensp00000362566	hpc	6752	0.697232549	6.510376145	0.00298115
ensp00000284562	gsta5	7807	0.806175134	-4.267326733	0.00300445
ensp00000363081	dkk1	3735	0.385687732	2.177283439	0.00303483
ensp00000319343	cpt1c	7610	0.785832301	7.304276923	0.00306099
ensp00000233954	il1r1	7414	0.76559273	12.99999651	0.00306689
ensp00000341138	epb41l3	3614	0.373192895	6.621118012	0.00309331
ensp00000363512	alox5	7677	0.792750929	4.410008516	0.00318019
ensp00000360762	ankrd1	3587	0.370404791	5.122907753	0.00328646
ensp00000350332	mybpc2	5914	0.610698059	8.791497358	0.00332724
ensp00000256722	cmpk2	2634	0.271995043	6.383092912	0.00340272
ensp00000338548	fgf1	5084	0.524989674	3.284856784	0.00340361
ensp00000262345	il12rb2	4529	0.467678645	4.808360694	0.00340984
ensp00000328674	cldn6	6942	0.71685254	7.301037128	0.00347216
ensp00000255465	ccna1	2422	0.250103263	2.707922906	0.00352968
ensp00000317310	cabp1	5185	0.535419248	-6.916673077	0.0035445
ensp00000239243	msx2	1241	0.128149525	-2.869558651	0.00367765
ensp00000354609	cnksr1	5122	0.528913672	3.305861305	0.00376426
ensp00000264012	cdh3	3799	0.392296572	4.947531915	0.00376706
ensp00000261826	p2rx7	1192	0.123089632	6.387604651	0.00387559
ensp00000303208	pcsk9	6295	0.650041305	3.779419939	0.00388316

ensp00000264917	pde8b	3848	0.397356464	-2.138188095	0.00399098
ensp00000256759	fst	5875	0.606670797	4.086333062	0.0041566
ensp00000384169	fbln2	5947	0.614105741	4.18673822	0.00422588
ensp00000350256	ccr9	4030	0.416150351	8.755317825	0.0042585
ensp00000262441	glp2r	3845	0.397046675	-2.034159885	0.00427936
ensp00000372170	msx1	1690	0.174514663	-2.549055221	0.00432845
ensp00000225245	ccl3	4075	0.420797191	5.081635246	0.0044796
ensp00000364336	tbxa2r	4411	0.455493598	5.515969457	0.00448403
ensp00000378577	cldn3	6953	0.717988435	4.915029933	0.00449438
ensp00000386069	adra2c	3994	0.412432879	2.357584383	0.00453235
ensp00000267502	rdh12	7723	0.797501033	-5.388354746	0.00458433
ensp00000240617	plbd1	7480	0.772408096	5.221183822	0.00459683
ensp00000252945	cyp2e1	7749	0.800185874	4	0.00462298
ensp00000219150	coro1a	5921	0.6114209	2.460607273	0.00464528
ensp00000245919	fosb	4487	0.463341594	2.95041844	0.00466014
ensp00000254661	ramp1	3779	0.390231309	6.517368732	0.00466874
ensp00000346901	fmo1	7759	0.801218505	-3.24648659	0.00471725
ensp00000336591	ppp2r2b	3264	0.337050805	4.920607743	0.00482198
ensp00000233809	igfbp2	5745	0.593246592	4.080906149	0.00493268
ensp00000379154	rasgef1a	6382	0.659025196	3.298980152	0.00493576
ensp00000388373	ppfia2	2914	0.300908715	-2.266749347	0.00507743
ensp00000264568	bmpr1b	5818	0.6007848	-2.400946537	0.00511849
ensp00000359892	slc44a5	4804	0.496076002	14.08958819	0.0052223
ensp00000371432	prlr	4758	0.491325898	-4.990023262	0.00537009
ensp00000330330	tmprss2	1514	0.156340355	3.961846101	0.00544492
ensp00000360626	kcng1	8471	0.874741842	2.192008772	0.00548366
ensp00000312185	elmo1	4872	0.503097893	7.217391304	0.00552998
ensp00000343318	b3galt5	9225	0.95260223	-9.166666667	0.0056483
ensp00000357789	flg	7174	0.740809583	3.172686575	0.00566665
ensp00000369858	alox5ap	7647	0.789653036	3.171370722	0.0057822
ensp00000264839	rims1	6991	0.721912433	3.015742907	0.00581889
ensp00000358802	kcnc4	8444	0.871953738	2.87344199	0.00590851
ensp00000230361	guca1b	1939	0.200227179	-4.090204077	0.00592181
ensp00000295408	mertk	5599	0.578170178	3.137204687	0.0059453
ensp00000369050	cyp1a1	7719	0.79708798	3.924212607	0.00595916
ensp00000321106	tac1	4169	0.430503924	3.768290385	0.00597637
ensp00000263816	lrp2	5830	0.602023957	-4.765757295	0.00609611
ensp00000363079	mbi2	7449	0.769206939	-10.17392189	0.00612646
ensp00000361914	oxct2	8025	0.828686493	3.261347418	0.00618922
ensp00000374372	sptb	4741	0.489570425	3.666669725	0.00621648
ensp00000353154	nfasc	6839	0.706216439	2.323279443	0.00684147
ensp00000360020	diras3	1487	0.153552251	9.315779668	0.00685814
ensp00000296474	mst1r	3615	0.373296159	3.75684117	0.00708146
ensp00000414598	mrvi1	3621	0.373915737	-3.022807892	0.00718912
ensp00000354900	gjb1	9103	0.940004131	-5.028484382	0.00719417
ensp00000260598	khk	7322	0.756092524	-2.540983607	0.00722526
ensp00000410715	sfrp4	3695	0.381557208	-6.084287356	0.00725236

ensp00000386209	or2a2	9556	0.986782321	2	0.00735018
ensp00000301466	soat2	7821	0.807620818	2.837209302	0.0073978
ensp00000328181	nog	5890	0.608219744	4.13475	0.00751963
ensp00000393379	kif5c	6160	0.636100785	6.515693505	0.00762179
ensp00000257572	hrk	3443	0.355534903	4.382121951	0.00774568
ensp00000366249	ubd	2106	0.217472119	3.714301906	0.00793468
ensp00000199764	ceacam6	9012	0.930607187	7.245759642	0.00805557
ensp00000324494	grhl1	3431	0.354295746	4.037837838	0.00818461
ensp00000085219	cd22	4952	0.511358943	-7.858325	0.00826404
ensp00000282096	pde3b	2717	0.280565882	14.28	0.00828169
ensp00000338072	avpr2	3821	0.39456836	3.011224688	0.00832125
ensp00000369531	ubqlnl	1520	0.156959934	-2.617716237	0.00833804
ensp00000320130	dync1i1	3136	0.323833127	3.203238345	0.00838799
ensp00000369530	alox15b	7676	0.792647666	2.395152474	0.00843067
ensp00000306459	b4galt6	8588	0.886823627	3.208	0.00845798
ensp00000329454	rca2	531	0.054832714	2.145310944	0.00852552
ensp00000337255	kcne1	8484	0.876084263	4.472982752	0.0088586
ensp00000254695	rap1gap2	3795	0.391883519	3.166352353	0.00886671
ensp00000414187	cpeb1	2529	0.261152416	2.51465711	0.00890127
ensp00000221700	cyp4f2	7618	0.786658406	-4.257257878	0.00891864
ensp00000368872	insc	315	0.032527881	3.889868757	0.0089638
ensp00000244333	lypd3	84	0.008674102	2.05186353	0.00908366
ensp00000387230	upp2	2684	0.277158199	-7.304689606	0.00939085
ensp00000263373	sptbn4	4740	0.489467162	3.515093224	0.0094471
ensp00000234347	prrn3	3451	0.356361008	-2.292222128	0.00945511
ensp00000333122	nr4a3	8987	0.928025609	2.415669323	0.00948869
ensp00000304782	ces3	2738	0.282734407	2.754067073	0.00962081
ensp00000353864	pak3	4736	0.48905411	2.27728698	0.00970403
ensp00000239849	tnfsf11	6437	0.664704667	4.760421875	0.00984965
ensp00000329210	or2t10	9592	0.990499793	-2.777428314	0.00990853
ensp00000078445	creb3l3	3889	0.401590252	-5.285117651	0.0099227

Significantly Changed Genes C-ADPKD vs. NC-ADPKD

Protein	Gene Symbol	Position	Relative Position	Fold Change	P value
ensp00000064724	cldn11	6940	0.716646014	44.51178571	2.56E-10
ensp00000342445	cldn4	6958	0.71850475	2.383543642	3.59E-10
ensp00000220772	sfrp1	3693	0.381350682	29.67964047	6.60E-09
ensp00000291009	pip	9186	0.948574969	17.53212618	7.01E-09
ensp00000296370	s100p	108	0.011152416	13.33333333	7.43E-09
ensp00000270279	cb1c	4731	0.488537794	17.91788961	8.59E-09
ensp00000260404	pak6	4735	0.488950847	11.07691699	1.31E-08
ensp00000364898	syk	4836	0.499380421	24.75	2.05E-08
ensp00000296027	cxcl5	4061	0.419351508	2.185981453	2.18E-08
ensp00000229030	fzd10	3730	0.385171417	19.23864686	2.27E-08
ensp00000332643	ndn	3762	0.388475836	33.91955172	4.18E-08
ensp00000364336	tbxa2r	4411	0.455493598	2.289182119	9.45E-08

ensp00000309270	chst1	9289	0.95921107	-15.91204827	1.01E-07
ensp00000338185	plcb1	4457	0.460243701	8.126586393	1.09E-07
ensp00000371471	rsad2	5347	0.552147873	22.38824987	1.25E-07
ensp00000354376	rab25	7494	0.773853779	22.79829177	2.30E-07
ensp00000263339	il1a	4388	0.453118546	21.37931034	2.95E-07
ensp00000255192	bhmt2	7900	0.815778604	21.19846473	5.11E-07
ensp00000312021	fut1	9240	0.954151177	3.408705236	5.46E-07
ensp00000258499	usp44	520	0.053696819	16.49109508	5.65E-07
ensp00000369962	igsf5	5212	0.538207352	-5.439998176	7.30E-07
ensp00000356505	ncf2	5279	0.545125981	5.573523686	7.36E-07
ensp00000350928	gad1	7909	0.816707972	13.09152333	7.61E-07
ensp00000167586	krt14	3446	0.355844692	18.98865794	9.42E-07
ensp00000329468	adap2	6190	0.639198678	2.008806911	9.81E-07
ensp00000358042	qrsl1	68	0.007021892	-2.536358531	9.84E-07
ensp00000362171	nap1l3	26	0.002684841	12.58620467	1.55E-06
ensp00000330658	pappa	5744	0.593143329	2.035979733	1.59E-06
ensp00000357040	vangl2	3540	0.365551425	22.72943851	1.69E-06
ensp00000279804	ctf1	6015	0.621127633	2.069220061	1.69E-06
ensp00000386896	itga6	5563	0.574452705	2.835539697	1.82E-06
ensp00000296849	nkd2	3549	0.366480793	-2.658345964	1.85E-06
ensp00000330074	hist1h1b	2012	0.207765386	15.98278618	2.05E-06
ensp00000368632	gata3	3232	0.333746386	17.58931035	2.81E-06
ensp00000369071	postn	7251	0.748760843	18.47654025	2.91E-06
ensp00000259396	orm1	8431	0.870611318	-2.138476574	3.12E-06
ensp00000398028	npr3	8551	0.883002891	-2.405876033	3.14E-06
ensp00000348170	hp	8651	0.893329203	-2.445684988	3.21E-06
ensp00000321853	serpinf2	5259	0.543060719	-3.221041573	3.55E-06
ensp00000377265	tfap2b	334	0.03448988	21.40208392	3.72E-06
ensp00000270800	il22ra1	4621	0.477178852	-2.674908702	3.85E-06
ensp00000243213	il13ra2	4592	0.474184221	17.93752494	3.90E-06
ensp00000379310	casc1	1584	0.163568773	-2.344579919	4.36E-06
ensp00000358423	rragd	3548	0.36637753	2.234205521	4.49E-06
ensp00000355920	slc22a2	6993	0.722118959	15.60712457	4.70E-06
ensp00000312987	hnf4a	3291	0.33983891	-4.495562301	4.82E-06
ensp00000296435	camp	603	0.062267658	-12.98484091	4.83E-06
ensp00000359410	ephx4	7459	0.77023957	2.543785453	4.84E-06
ensp00000306099	fgb	5420	0.55968608	-2.406823649	5.40E-06
ensp00000339292	cldn14	6963	0.719021066	16.92308225	6.12E-06
ensp00000417583	st6galnac5	9234	0.953531599	11.24444444	6.15E-06
ensp00000228938	mgp	5149	0.531701776	13.27536232	7.02E-06
ensp00000295550	col6a3	5688	0.587360595	5.25159387	7.51E-06
ensp00000250448	foxa1	5483	0.566191656	4.321700959	8.74E-06
ensp00000343318	b3galt5	9225	0.95260223	-9.211116667	8.76E-06
ensp00000347379	ocln	6965	0.719227592	3.548515545	9.36E-06
ensp00000306361	fga	5419	0.559582817	-13.13548185	9.49E-06
ensp00000291294	ptgir	3853	0.39787278	5.46636568	9.78E-06
ensp00000255189	dmgdh	8162	0.84283354	10.00514948	9.82E-06

ensp00000245312	slc10a2	8413	0.868752582	-3.27800551	1.00E-05
ensp00000264260	il18rap	4285	0.442482445	-14.10436879	1.00E-05
ensp00000301732	abca3	1120	0.115654688	2.602772021	1.08E-05
ensp00000282111	tcf7l1	3411	0.352230483	5.294101257	1.26E-05
ensp00000303153	col22a1	5701	0.588703015	14.21212121	1.38E-05
ensp00000335083	ppp2r2c	3265	0.337154069	13.4959812	1.40E-05
ensp00000293272	ccl5	4058	0.419041718	5.427583054	1.46E-05
ensp00000357789	flg	7174	0.740809583	3.458573177	1.49E-05
ensp00000298472	slc18a2	7030	0.725939694	12.08618786	1.54E-05
ensp00000383558	gcgr	4125	0.425960347	15.66943444	1.87E-05
ensp00000363079	mbi2	7449	0.769206939	-11.27826198	1.92E-05
ensp00000344874	gucy1a2	2353	0.242978108	-2.812584289	2.02E-05
ensp00000406367	gpr124	6290	0.64952499	2.048008152	2.05E-05
ensp00000260197	sorl1	8269	0.853882693	18.16936949	2.12E-05
ensp00000309148	klk6	7438	0.768071045	5.281660553	2.21E-05
ensp00000226524	pf4v1	3952	0.408095828	10.77097651	2.28E-05
ensp00000321735	slc16a8	7312	0.755059893	10.12357289	2.32E-05
ensp00000284440	uchl1	3180	0.328376704	3.498111152	2.45E-05
ensp00000312397	klhl3	2138	0.220776539	14.39551165	2.67E-05
ensp00000352272	myoz1	6213	0.64157373	12.20213	2.71E-05
ensp00000252971	mnx1	9381	0.968711276	20.04543632	2.93E-05
ensp00000306157	il7r	4596	0.474597274	7.607705852	2.93E-05
ensp00000228850	akap3	8638	0.891986782	8.813735294	3.09E-05
ensp00000302648	nrtm	6002	0.619785213	-4.096161723	3.23E-05
ensp00000253513	ido1	7944	0.820322181	11.53880822	3.27E-05
ensp00000261769	cdh1	3594	0.371127633	2.39973029	3.31E-05
ensp00000266085	timp3	6030	0.62267658	27.15913314	3.40E-05
ensp00000354207	ntrk3	4738	0.489260636	-3.690931034	3.41E-05
ensp00000263182	bbox1	8124	0.838909542	-16.54309781	3.53E-05
ensp00000363157	tnfsf15	6765	0.698574969	16.5454486	3.70E-05
ensp00000288221	erc2	7029	0.725836431	3.912391026	3.74E-05
ensp00000245912	tnfsf14	6700	0.691862867	-3.779492308	4.00E-05
ensp00000262262	cd33	8714	0.899834779	-23.50946557	4.35E-05
ensp00000283921	hoxa10	137	0.014147047	9.357671298	4.64E-05
ensp00000420419	jam2	5213	0.538310615	3.130434783	4.65E-05
ensp00000289422	nrg2	4649	0.480070219	8.783217634	4.66E-05
ensp00000394033	kcnk2	9358	0.966336225	-3.576407304	4.74E-05
ensp00000316328	ciita	5324	0.549772821	-10.40362675	4.94E-05
ensp00000172229	ngfr	4432	0.457662123	-10.84090293	5.03E-05
ensp00000310721	cyp7b1	7843	0.809892606	-2.123720859	5.17E-05
ensp00000282728	hhex	9383	0.968917803	12.79431915	5.25E-05
ensp00000260795	fgfr3	4877	0.503614209	-2.477534897	5.33E-05
ensp00000254695	rap1gap2	3795	0.391883519	2.168210373	5.56E-05
ensp00000303208	pcsk9	6295	0.650041305	6.908596774	5.64E-05
ensp00000353362	cacna1a	4242	0.438042131	10.87193849	5.65E-05
ensp00000287020	gdf6	5925	0.611833953	3.737120456	5.69E-05
ensp00000308576	rhod	5007	0.517038414	13.2041868	5.87E-05

ensp00000296474	mst1r	3615	0.373296159	3.279520179	5.92E-05
ensp00000272134	lefty1	5813	0.600268484	-6.222710141	6.77E-05
ensp00000254508	nup210	1338	0.138166047	32	6.99E-05
ensp00000257818	lmo2	7139	0.737195374	21.93407905	7.07E-05
ensp00000173229	ntn1	4856	0.501445684	19.30862963	7.07E-05
ensp00000396774	muc20	9268	0.957042544	7.027908359	7.16E-05
ensp00000299106	jam3	5214	0.538413879	15.5651896	7.21E-05
ensp00000003084	cftr	3256	0.336224701	12.03672978	7.33E-05
ensp00000346693	elovl2	7559	0.780565882	2.627751269	7.53E-05
ensp00000351682	cndp1	7968	0.822800496	-9.05347543	7.93E-05
ensp00000292513	ptger1	4210	0.434737712	15.8364717	8.22E-05
ensp00000284240	thy1	5422	0.559892606	2.811004464	8.67E-05
ensp00000419361	adcy5	3931	0.405927303	4.247963415	8.77E-05
ensp00000308032	cyp2s1	7800	0.805452292	5.656962305	9.28E-05
ensp00000410668	tnf	4314	0.445477076	8.85	9.34E-05
ensp00000392858	tnf	4353	0.449504337	8.85	9.34E-05
ensp00000398698	tnf	4354	0.4496076	8.85	9.34E-05
ensp00000365290	tnf	6348	0.65551425	8.85	9.34E-05
ensp00000338171	skap1	6173	0.637443205	2.576923077	9.34E-05
ensp00000367830	prkcz	4462	0.460760017	2.335155393	9.91E-05
ensp00000277480	lcn2	7529	0.777467988	3.161949153	0.000107292
ensp00000291539	pde9a	2744	0.283353986	7.755728846	0.000114027
ensp00000386069	adra2c	3994	0.412432879	2.460959935	0.000114964
ensp00000330959	il1r2	4391	0.453428335	-2.007916865	0.000117318
ensp00000254262	c19orf40	2132	0.22015696	-2.521800719	0.000118643
ensp00000308461	rnd1	5027	0.519103676	3.513906282	0.000118796
ensp00000320378	slc7a8	8668	0.895084676	12.88549398	0.000122585
ensp00000342114	icam4	5495	0.567430814	4.697574719	0.000122653
ensp00000290399	sim2	418	0.043163982	14.98305507	0.000127176
ensp00000342235	erbb4	4694	0.484717059	14.45713967	0.000138045
ensp00000264257	il1rl2	8757	0.904275093	4.672275072	0.000139219
ensp00000296414	dapp1	4797	0.49535316	15.68	0.000140646
ensp00000350332	mybpc2	5914	0.610698059	9.26458263	0.000141893
ensp00000351190	itih2	6867	0.709107807	-9.481288493	0.000145183
ensp00000264708	pomc	3865	0.399111937	11.11223356	0.000145725
ensp00000327453	acsm2b	8508	0.878562577	-2.966131424	0.000149728
ensp00000287641	sst	3946	0.407476249	3.671968254	0.00015939
ensp00000279441	mmp10	5504	0.568360182	13.07334	0.00016102
ensp00000368966	trpc3	5123	0.529016935	-3.109954129	0.000168462
ensp00000296641	f2rl2	4414	0.455803387	10.0152519	0.000170865
ensp00000354490	atp1a2	9053	0.934840975	-36.35294118	0.000171798
ensp00000263126	akr1c4	7756	0.800908715	-3.033589147	0.000181995
ensp00000319343	cpt1c	7610	0.785832301	8.461386748	0.000186937
ensp00000358309	epha7	4809	0.496592317	8.511904762	0.000187425
ensp00000340200	glyat	9084	0.938042131	-6.418103448	0.000191124
ensp00000297450	angpt1	4717	0.487092111	-3.552769539	0.000195147
ensp00000332116	pde4b	2714	0.280256093	6.485298886	0.000199562

ensp00000357461	chrnb2	8374	0.86472532	3.584358025	0.000211202
ensp00000199764	ceacam6	9012	0.930607187	9.000004737	0.000212397
ensp00000359074	l1cam	5446	0.562370921	11.67886666	0.000216961
ensp00000287713	nmnat2	2775	0.286555143	2.647398844	0.000221315
ensp00000348888	pigr	5184	0.535315985	13.99997108	0.000224224
ensp00000373024	c6orf15	6334	0.654068567	9.145639947	0.000235536
ensp00000234371	kiss1r	4274	0.441346551	6.694612758	0.000244109
ensp00000288135	kit	4683	0.483581165	8.115700922	0.000246724
ensp00000253754	pdlim4	6838	0.706113176	7.686134192	0.000247255
ensp00000410294	fgfr2	4791	0.494733581	-2.570081272	0.000251745
ensp00000360918	ch25h	7817	0.807207765	15.88761136	0.000256918
ensp00000258411	wnt10a	3720	0.384138786	3.310710407	0.000261545
ensp00000355884	mark1	2992	0.308963238	9.770276872	0.000264497
ensp00000381654	hmgcl1	8205	0.847273854	5.122513326	0.000264558
ensp00000341138	epb41l3	3614	0.373192895	5.835755774	0.000266616
ensp00000294339	tal1	3153	0.3255886	7.06122299	0.000275796
ensp00000363512	alox5	7677	0.792750929	2.007598811	0.000282394
ensp00000271636	cgn	5144	0.531185461	3.475094137	0.000294001
ensp00000258443	edar	113	0.011668732	4.466666667	0.000294604
ensp00000249750	aldh1a2	7729	0.798120611	3.15566782	0.000303209
ensp00000354822	xaf1	5363	0.553800083	6.23311232	0.000305488
ensp00000329797	cadm1	9395	0.97015696	2.126596943	0.000307571
ensp00000306888	fam151a	7592	0.783973565	-6.929828947	0.000307596
ensp00000351206	txlnb	7377	0.761771995	15.22315308	0.00032163
ensp00000156626	st6galnac1	9320	0.962412226	10.27161111	0.000332787
ensp00000420295	pde6b	2724	0.281288724	16.49314624	0.000334515
ensp00000367462	olah	7458	0.770136307	5.663043478	0.000343653
ensp00000365943	pcsk5	6258	0.64622057	2.600439038	0.000345547
ensp00000308012	pabpc5	258	0.026641884	22.72727273	0.000345593
ensp00000274353	bhmt	7901	0.815881867	3.387465458	0.000356248
ensp00000362566	hpcA	6752	0.697232549	10.1883183	0.000370248
ensp00000254661	ramp1	3779	0.390231309	3.833335484	0.000380896
ensp00000340191	fpr2	4131	0.426579926	-5.257773333	0.000393429
ensp00000364140	col15a1	5711	0.589735646	-3.522905925	0.000399961
ensp00000225964	col1a1	5662	0.584675754	5.696078431	0.000410597
ensp00000261523	rora	3320	0.34283354	2.038628588	0.00042725
ensp00000263621	elane	5414	0.559066501	-5.04023517	0.00043389
ensp00000226317	cxcl6	4022	0.415324246	8.296319444	0.000444926
ensp00000261007	chrna1	7584	0.78314746	-6.845712483	0.000456533
ensp00000085219	cd22	4952	0.511358943	-9.583325	0.000458843
ensp00000234071	proc	5498	0.567740603	2.342576916	0.000465124
ensp00000416387	fblim1	5545	0.572593969	5.8275	0.000470826
ensp00000350616	ddc	7945	0.820425444	-10.25757576	0.000484651
ensp00000338072	avpr2	3821	0.39456836	4.91742435	0.00048667
ensp00000282499	gria4	6747	0.696716233	4.125757862	0.000491604
ensp00000364475	fbp1	7280	0.751755473	14.2762	0.000508197
ensp00000307046	sdC2	5650	0.583436596	-2.918913284	0.000514775

ensp00000297268	col1a2	5661	0.584572491	4.697925758	0.00052293
ensp00000332052	pcsk6	7440	0.768277571	-4.892014085	0.000528441
ensp00000352547	gpat2	7406	0.764766625	2.261837253	0.000529003
ensp00000409605	trim15	6426	0.663568773	-6.174825175	0.000545512
ensp00000403221	trim15	6770	0.699091285	-6.174825175	0.000545512
ensp00000297991	aqp3	5333	0.550702189	-3.222395023	0.000548472
ensp00000306884	cxcl11	4087	0.422036349	8.531914894	0.000554234
ensp00000285018	wnt7a	3757	0.387959521	11.55803055	0.00056281
ensp00000363965	alpl	6312	0.651796778	-2.19113986	0.000568676
ensp00000320886	mlxipl	6862	0.708591491	-5.20325	0.000575481
ensp00000227752	il10ra	4641	0.479244114	7.012446893	0.000581354
ensp00000264917	pde8b	3848	0.397356464	-2.947228776	0.000584285
ensp00000320935	slc2a4	3712	0.383312681	-8.401746027	0.000588367
ensp00000322390	fgf13	5044	0.520859149	5.444441667	0.000610457
ensp00000363298	bspry	7345	0.758467575	13.62927006	0.000611927
ensp00000309572	tert	2947	0.304316398	-2.583397779	0.000615036
ensp00000361943	heyl	3216	0.332094176	5.164573306	0.000631158
ensp00000362570	fndc5	6540	0.675340768	-4.185714286	0.000645738
ensp00000361214	nrg3	9183	0.94826518	15.4	0.000646211
ensp00000414330	rimkla	6440	0.665014457	14.04055678	0.000648366
ensp00000330330	tmprss2	1514	0.156340355	2.717753535	0.000654348
ensp00000351671	ccl20	4060	0.419248245	3.086742858	0.000674984
ensp00000343477	runx3	3664	0.378356051	-10.34920635	0.000681859
ensp00000289746	cdh15	4579	0.472841801	-2.94631621	0.000711769
ensp00000393847	pla2g10	7579	0.782631144	4.474577788	0.000741751
ensp00000209728	cdc6	2374	0.245146634	-2.776470588	0.000742506
ensp00000340937	col17a1	5697	0.588289963	2.020384539	0.000754216
ensp00000309757	lpl	5103	0.526951673	8.448644082	0.000758161
ensp00000255082	acy3	7956	0.821561338	-4.985809619	0.000781381
ensp00000259206	il1rn	8756	0.90417183	3.684653968	0.000783651
ensp00000304767	p2ry1	4253	0.439178026	-4.042606776	0.000787137
ensp00000335500	c7orf57	6285	0.649008674	-14.03368086	0.000813442
ensp00000302269	vav1	4831	0.498864106	8.801927536	0.000815719
ensp00000263925	lnx1	6800	0.702189178	3.3358	0.000822816
ensp00000339398	hla-dqa1	5722	0.590871541	-3.501084967	0.000827537
ensp00000414360	hla-dqa1	6523	0.673585295	-3.501084967	0.000827537
ensp00000387892	hla-dqa1	8745	0.903035936	-3.501084967	0.000827537
ensp00000409127	hla-dqa1	8746	0.903139199	-3.501084967	0.000827537
ensp00000372738	hla-dqa1	8885	0.917492772	-3.501084967	0.000827537
ensp00000312326	aoc3	7885	0.814229657	-2.213190813	0.000828752
ensp00000363081	dkk1	3735	0.385687732	3.318771845	0.000834814
ensp00000307694	kcns1	8449	0.872470054	6.552775	0.000842488
ensp00000005180	ccl26	4080	0.421313507	-2.561272059	0.000860035
ensp00000357013	cd244	5995	0.619062371	6.458066801	0.000863736
ensp00000417229	eif2a	1283	0.132486576	-2.491023563	0.000868779
ensp00000359478	abcc2	411	0.04244114	-2.10425179	0.00088582
ensp00000295156	vsnl1	8115	0.837980173	-2.48561279	0.000892839

ensp00000368401	pax6	6292	0.649731516	4.61732852	0.000900372
ensp00000161559	ceacam1	8612	0.889301941	2.807851737	0.00093237
ensp00000301908	pnoc	4009	0.413981826	9.244701324	0.000949483
ensp00000233809	igfbp2	5745	0.593246592	3.665697674	0.000958719
ensp00000155840	kcnq1	8273	0.854295746	6.639047553	0.000960882
ensp00000311997	nefh	5803	0.599235853	3.680234867	0.000985835
ensp00000357753	ivl	3908	0.403552251	4.828663551	0.000988758
ensp00000355370	cntf	4610	0.476042957	-2.140802817	0.000990514
ensp00000302707	fpr1	4013	0.414394878	-4.429771308	0.000999422
ensp00000200307	ccl7	4077	0.421003717	4.380001752	0.00100403
ensp00000337383	nlrp3	2741	0.283044197	13.19746997	0.00102865
ensp00000275815	epha1	4813	0.49700537	6.686746988	0.00103728
ensp00000381876	daam2	3597	0.371437423	-2.38965928	0.00106433
ensp00000264012	cdh3	3799	0.392296572	9.965714384	0.00107132
ensp00000360181	sh2d1a	6174	0.637546468	4.188782749	0.00108245
ensp00000292596	ltc4s	7648	0.789756299	3.639490643	0.00108253
ensp00000265643	gal	4036	0.41676993	3.235426017	0.00108592
ensp00000357153	cd1d	6277	0.648182569	3.054218707	0.00110678
ensp00000385149	neu4	8139	0.840458488	-4.995047027	0.00112194
ensp00000217407	lbp	4368	0.451053284	-3.031703216	0.00116372
ensp00000276925	cdkn2b	2759	0.284902933	4.549023529	0.00116468
ensp00000262752	rps6ka6	4454	0.459933912	6.018513889	0.00118815
ensp00000298841	serpina4	9340	0.964477489	-3.019191895	0.00119611
ensp00000367714	hes5	3276	0.338289963	13.04053643	0.00122215
ensp00000363985	mtmr8	9114	0.941140025	3.568707469	0.00122751
ensp00000384264	cnga1	3898	0.40251962	5.824324324	0.00123806
ensp00000268933	epn3	4975	0.513733994	4.101400035	0.00123978
ensp00000259455	gabbr2	4239	0.437732342	12.87340957	0.00124122
ensp00000299339	cldn10	6957	0.718401487	13.19885046	0.00124638
ensp00000304408	col3a1	5660	0.584469228	20.2999394	0.00125116
ensp00000275016	cyp39a1	7815	0.807001239	2.864525369	0.00126559
ensp00000354478	dlx1	1325	0.136823627	2.394528279	0.00134141
ensp00000312837	rab11fip4	7504	0.774886411	3.116567663	0.00137797
ensp00000374372	sptb	4741	0.489570425	2.572969041	0.00141025
ensp00000310244	rasgrp1	5067	0.523234201	7.773282499	0.00141894
ensp00000263413	c6	2525	0.260739364	-9.658811965	0.00142211
ensp00000356905	vnn1	8380	0.865344899	4.504672897	0.0014259
ensp00000356991	pvr14	5595	0.577757125	5.414354167	0.00145337
ensp00000221700	cyp4f2	7618	0.786658406	-6.302907632	0.00147472
ensp00000359892	slc44a5	4804	0.496076002	9.165067151	0.00150483
ensp00000289429	cd1a	7337	0.75764147	3.252790612	0.00162062
ensp00000384169	fbln2	5947	0.614105741	2.176953881	0.00162401
ensp00000367059	espn	6547	0.67606361	-2.567453911	0.00162452
ensp00000360806	kcnb1	8389	0.866274267	-4.605405405	0.00164498
ensp00000260187	usp2	2982	0.307930607	-2.331424765	0.00166925
ensp00000337731	cideb	4153	0.428851714	-2.44824173	0.00167489
ensp00000216115	bik	3463	0.357600165	2.402587875	0.00169197

ensp00000255266	pde6a	2725	0.281391987	-9.552795309	0.00169751
ensp00000201031	tfap2c	335	0.034593143	-3.179699588	0.00178998
ensp00000355245	pax9	625	0.064539447	-2.438453981	0.00182432
ensp00000353198	pyy	3951	0.407992565	7.587172098	0.00182649
ensp00000297404	kcnv1	8472	0.874845105	-4.516933898	0.0018502
ensp00000319814	pck1	3713	0.383415944	-9.602272727	0.00187759
ensp00000336591	ppp2r2b	3264	0.337050805	3.079187765	0.0018851
ensp00000291670	ftcd	8260	0.852953325	5.157452354	0.00188577
ensp00000410321	ly6g5c	6509	0.672139612	-2.493239874	0.00188894
ensp00000386209	or2a2	9556	0.986782321	3.924814981	0.00195691
ensp00000304004	foxa3	5485	0.566398183	2.061748587	0.00207326
ensp00000369858	alox5ap	7647	0.789653036	2.104338927	0.0021103
ensp00000265728	dbf4	2326	0.240190004	-3.600010141	0.00220018
ensp00000305424	or1f1	9666	0.998141264	-4.536315901	0.00223536
ensp00000408617	hdac9	2967	0.30638166	8.927854565	0.00225298
ensp00000305603	fut3	9242	0.954357703	8.874999598	0.00226943
ensp00000261233	irak3	4345	0.448678232	9.993945455	0.00236812
ensp00000358092	prdm1	1754	0.181123503	2.363633481	0.00237627
ensp00000333122	nr4a3	8987	0.928025609	2.727139021	0.00238737
ensp00000249016	mchr1	4104	0.423791822	9.072081081	0.00242392
ensp00000299333	scn3b	286	0.029533251	10.4367931	0.00245294
ensp00000222792	chn2	7872	0.812887237	5.144111417	0.00245543
ensp00000305355	prkcb	5216	0.538620405	-3.356397188	0.00245884
ensp00000278187	gas2	6702	0.692069393	-2.803355237	0.00256702
ensp00000345512	sema6a	6293	0.649834779	3.874014223	0.00260485
ensp00000372160	dok6	4726	0.488021479	9.144177142	0.00268846
ensp00000346160	dusp19	7537	0.778294093	-3.375857457	0.00269066
ensp00000277120	ntrk2	4614	0.47645601	2.418577414	0.0027134
ensp00000290341	igf2bp1	1945	0.200846758	2.035827103	0.00274454
ensp00000356898	ddr2	7680	0.793060719	2.821721945	0.00277948
ensp00000360762	ankrd1	3587	0.370404791	8.733342857	0.00279899
ensp00000336829	fgg	5421	0.559789343	-5.823418529	0.00306269
ensp00000358301	adrb1	3819	0.394361834	5.547012821	0.00311097
ensp00000328181	nog	5890	0.608219744	2.929650665	0.00321233
ensp00000245479	sox9	1758	0.181536555	4.328553036	0.00326749
ensp00000349595	atp2a1	6095	0.629388682	-3.268860162	0.00326965
ensp00000377303	renbp	8856	0.914498141	4.088888889	0.00330581
ensp00000307875	b3gat1	6178	0.637959521	12.15237143	0.00332778
ensp00000233954	il1rl1	7414	0.76559273	12.02151613	0.0033761
ensp00000410443	hla-dra	5721	0.590768278	-3.314692788	0.003499
ensp00000372608	hla-dra	5724	0.591078067	-3.314692788	0.003499
ensp00000372746	hla-dra	6381	0.658921933	-3.314692788	0.003499
ensp00000402951	hla-dra	6501	0.671313507	-3.314692788	0.003499
ensp00000405295	hla-dra	9175	0.947439075	-3.314692788	0.003499
ensp00000257549	sds	8150	0.841594382	-2.125836443	0.00350846
ensp00000420716	c1orf228	6898	0.712308963	2.22689618	0.00354317
ensp00000327251	nos2	5053	0.521788517	2.065224055	0.00357044

ensp00000225245	ccl3	4075	0.420797191	5.107692308	0.00369454
ensp00000261374	hs3st2	6068	0.626600578	2.904637342	0.00370175
ensp00000285393	atp6v0d2	8558	0.883725733	3.093306394	0.00373616
ensp00000354677	gpx7	6651	0.686802974	7.303577608	0.00374474
ensp00000263923	kdr	4692	0.484510533	-2.500995051	0.00378614
ensp00000225474	csf3	7114	0.734613796	8.292403509	0.0038637
ensp00000305464	apln	4035	0.416666667	2.484323143	0.00386891
ensp00000216274	ripk3	4326	0.446716233	6.324013986	0.00393956
ensp00000328968	scn5a	3606	0.372366791	3.240819085	0.0039674
ensp00000252945	cyp2e1	7749	0.800185874	6.293701893	0.00402717
ensp00000263686	selp	6078	0.627633209	5.984783891	0.00432483
ensp00000357905	dmbt1	264	0.027261462	-2.631569391	0.00435826
ensp00000331504	fes	4659	0.48110285	8.823301194	0.0043813
ensp00000387230	upp2	2684	0.277158199	-4.242184186	0.00440393
ensp00000363680	eda	114	0.011771995	4.956952008	0.00448789
ensp00000339992	myb	3487	0.36007848	-2.274347367	0.0045276
ensp00000304930	sostdc1	5873	0.606464271	-3.527680269	0.00461872
ensp00000255380	chrn3	4187	0.43236266	2.564606309	0.00464241
ensp00000375069	col23a1	5712	0.58983891	-2.449072917	0.00464399
ensp00000378577	cldn3	6953	0.717988435	8.244995612	0.00469634
ensp00000263816	lrp2	5830	0.602023957	-4.817455279	0.00485124
ensp00000256722	cmpk2	2634	0.271995043	4.182967696	0.00497197
ensp00000328674	cldn6	6942	0.71685254	6.59372627	0.00497697
ensp00000312506	cspg4	6090	0.628872367	3.764424887	0.00498414
ensp00000295408	mertk	5599	0.578170178	2.432624113	0.00503116
ensp00000219150	coro1a	5921	0.6114209	2.073547573	0.00505603
ensp00000327107	pdzd3	532	0.054935977	-2.835643912	0.00506406
ensp00000372170	msx1	1690	0.174514663	-2.068887121	0.00525792
ensp00000354416	ccl28	3984	0.411400248	3.699994906	0.0053093
ensp00000360561	entpd8	2616	0.270136307	-5.036453125	0.00537546
ensp00000379204	bmp7	5815	0.60047501	12.17046838	0.00538245
ensp00000259365	tmod1	5808	0.599752169	3.627913467	0.00552092
ensp00000262441	glp2r	3845	0.397046675	-2.45807227	0.00552915
ensp00000350256	ccr9	4030	0.416150351	10.68828482	0.00553522
ensp00000284562	gsta5	7807	0.806175134	-3.655113861	0.00556951
ensp00000393379	kif5c	6160	0.636100785	3.418813132	0.00557111
ensp00000349490	mfng	3315	0.342317224	-2.21000321	0.00565854
ensp00000240617	plbd1	7480	0.772408096	5.751281095	0.00597988
ensp00000288139	cacna1d	5174	0.534283354	-2.900814747	0.00603223
ensp00000369003	trpc4	5124	0.529120198	2.297961833	0.00609968
ensp00000379895	gatm	8049	0.831164808	3.683649682	0.00618313
ensp00000340396	gbp5	6568	0.678232135	3.555827924	0.00633805
ensp00000296029	pf4	4336	0.447748864	3.115830116	0.00639547
ensp00000355718	dll1	3480	0.359355638	4.486208798	0.0065011
ensp00000369323	npnt	6080	0.627839736	5.242091045	0.00652353
ensp00000296028	ppbp	4200	0.433705081	5.014992493	0.00658458
ensp00000301061	wnt10b	3572	0.368855845	-3.650203704	0.0068929

ensp00000360020	diras3	1487	0.153552251	3.898676697	0.00737116
ensp00000368253	nr0b1	3311	0.341904172	-2.192654692	0.00753756
ensp00000369531	ubqlnl	1520	0.156959934	-2.663072706	0.00764914
ensp00000356671	serpinc1	5519	0.569909128	-2.263686567	0.00765692
ensp00000078445	creb3l3	3889	0.401590252	-7.92148433	0.0076583
ensp00000239243	msx2	1241	0.128149525	-2.961089334	0.00776777
ensp00000257572	hrk	3443	0.355534903	2.695003652	0.00785935
ensp00000335657	cck	4164	0.429987608	4.532377361	0.0078705
ensp00000225275	mpo	4624	0.477488641	2.951349756	0.00787797
ensp00000265459	nrxn2	8395	0.866893846	-3.358123967	0.00813586
ensp00000358896	as3mt	8218	0.848616274	7.953492996	0.00814644
ensp00000282096	pde3b	2717	0.280565882	13.55697919	0.00819945
ensp00000369497	brca2	2217	0.228934325	-3.768656716	0.00823625
ensp00000357927	bnipl	6357	0.656443618	-2.560306397	0.00836968
ensp00000264839	rims1	6991	0.721912433	2.487001666	0.0085401
ensp00000361813	bex1	4417	0.456113176	2.205605867	0.00856805
ensp00000312185	elmo1	4872	0.503097893	6.303793479	0.00862253
ensp00000414598	mrvi1	3621	0.373915737	-3.42020658	0.0087332
ensp00000345229	dner	3444	0.355638166	-3.341556939	0.00884802
ensp00000262345	il12rb2	4529	0.467678645	4.023335345	0.00892369
ensp00000295731	ihh	5853	0.604399009	-3.90560177	0.00903458
ensp00000371372	atp12a	8656	0.893845518	4.779662637	0.00927954
ensp00000379154	rasgef1a	6382	0.659025196	4.102567308	0.00929213
ensp00000317214	capn6	2581	0.266522098	2.039216912	0.00935106
ensp00000260598	khk	7322	0.756092524	-4.606557377	0.00940445
ensp00000354609	cnksr1	5122	0.528913672	2.561688312	0.00973041