

Gene ID	Gene name	Ensembl biotype	Ensembl intergenic ?	LR*
ENSG00000247844	CCAT1	lincRNA	Yes	59,56561386
ENSG00000230838	AC093850.2	lincRNA	Yes	55,55894216
ENSG00000265688	MAFG-AS1	antisense	Yes	51,89723474
ENSG00000265992	ESRG	sense_intronic	No	50,4901889
ENSG00000259807	RP11-426C22.4	lincRNA	Yes	50,00592415
ENSG00000203499	FAM83H-AS1	lincRNA	Yes	48,24816474
ENSG00000232679	RP11-400N13.3	lincRNA	Yes	46,50532657
ENSG00000255874	LINC00346	lincRNA	Yes	46,12995975
ENSG00000272620	AFAP1-AS1	antisense	No	45,34082785
ENSG00000251026	RP11-138J23.1	lincRNA	Yes	44,5316766
ENSG00000247381	PDX1-AS1	antisense	No	43,5729282
ENSG00000224397	LINC01272	lincRNA	Yes	42,40484382
ENSG00000281406	BLACAT1	lincRNA	No	42,39114957
ENSG00000233912	AC026202.3	antisense	No	42,14175957
ENSG00000206195	DUXAP8	processed_transcript	No	40,24969984
ENSG00000275216	RP11-54H7.4	lincRNA	Yes	39,65568149
ENSG00000229404	LINC00858	lincRNA	Yes	39,61714424
ENSG00000232956	SNHG15	lincRNA	Yes	37,73577873
ENSG00000130600	H19	processed_transcript	No	37,71260019
ENSG00000214039	RP11-474D1.3	lincRNA	Yes	36,92273578
ENSG00000213468	FIRRE	lincRNA	No	36,35347776
ENSG00000232445	RP11-132A1.4	antisense	Yes	36,09768386
ENSG00000230316	FEZF1-AS1	antisense	No	36,08748985
ENSG00000197085	NPSR1-AS1	processed_transcript	No	36,03284327
ENSG00000100181	TPTEP1	lincRNA	No	35,13077112
ENSG00000228437	RP11-400N13.2	lincRNA	Yes	34,88538799
ENSG00000223485	RP11-417E7.1	lincRNA	Yes	34,57677093
ENSG00000250899	RP11-253E3.3	lincRNA	Yes	34,53891796
ENSG00000255650	FAM222A-AS1	antisense	No	34,53302657
ENSG00000225194	LINC00092	lincRNA	Yes	34,50137815
ENSG00000236081	ELFN1-AS1	lincRNA	No	34,35186249
ENSG00000232803	SLCO4A1-AS1	antisense	No	34,13679487
ENSG00000262585	RP11-353N14.5	lincRNA	Yes	33,85493325
ENSG00000238042	RP11-815M8.1	lincRNA	Yes	33,79558521
ENSG00000259237	RP11-209E8.1	lincRNA	Yes	33,76962953
ENSG00000236452	AC123023.1	lincRNA	Yes	33,55177109
ENSG00000248571	RP11-768B22.2	antisense	No	33,07279336
ENSG00000262188	RP11-353N14.4	lincRNA	Yes	32,63144729
ENSG00000256288	RP11-277P12.10	lincRNA	Yes	31,77015332
ENSG00000243832	RP11-202A13.1	lincRNA	Yes	30,85027851
ENSG00000260604	RP1-140K8.5	lincRNA	Yes	30,82922963
ENSG00000257588	RP11-469H8.6	antisense	No	30,54696868
ENSG00000224099	AC064834.1	lincRNA	Yes	30,52287813
ENSG00000274979	RP11-1143G9.5	lincRNA	Yes	30,26403373
ENSG00000228566	RP11-170M17.1	lincRNA	No	30,20448331
ENSG00000235621	LINC00494	lincRNA	Yes	30,04051533
ENSG00000250961	CTD-2023N9.1	antisense	No	30,02114825

Gene name	LogFC paired	Freq >2 times upreg	LogFC pooled	logCPM	PValue	FDR
CCAT1	3,096906	72%	4,112266	2,267597	1,18E-14	1,19E-11
AC093850.2	2,517791	78%	5,163038	-0,81365	9,07E-14	6,04E-11
MAFG-AS1	2,023808	78%	2,231256	0,881302	5,85E-13	2,81E-10
ESRG	2,116122	61%	3,429201	3,068462	1,20E-12	5,19E-10
RP11-426C22.4	2,427162	72%	3,342933	0,148027	1,53E-12	6,24E-10
FAM83H-AS1	1,766052	72%	2,229379	3,795415	3,76E-12	1,28E-09
RP11-400N13.3	1,916146	56%	6,21236	-1,48238	9,14E-12	2,64E-09
LINC00346	2,258149	72%	2,552375	1,842616	1,11E-11	3,03E-09
AFAP1-AS1	1,794855	39%	6,166348	3,231754	1,66E-11	4,33E-09
RP11-138J23.1	2,442996	78%	4,050934	-0,66954	2,50E-11	6,11E-09
PDX1-AS1	2,323804	72%	5,32011	-0,4942	4,08E-11	8,86E-09
LINC01272	1,891081	83%	2,07527	1,29875	7,42E-11	1,45E-08
BLACAT1	2,816269	78%	3,706122	0,489188	7,47E-11	1,45E-08
AC026202.3	-1,39409	0%	-2,053245	-1,75784	8,49E-11	1,60E-08
DUXAP8	2,285753	72%	3,404154	1,688332	2,23E-10	3,50E-08
RP11-54H7.4	1,756748	56%	2,763948	3,510115	3,03E-10	4,44E-08
LINC00858	2,561975	72%	4,169863	-0,32268	3,09E-10	4,48E-08
SNHG15	1,158074	56%	1,340258	4,088242	8,10E-10	9,98E-08
H19	2,659934	72%	3,84165	5,742524	8,20E-10	1,00E-07
RP11-474D1.3	3,746678	72%	5,240733	2,186521	1,23E-09	1,36E-07
FIRRE	1,784115	56%	3,698683	-0,8623	1,65E-09	1,73E-07
RP11-132A1.4	1,876262	61%	2,827074	1,149698	1,88E-09	1,91E-07
FEZF1-AS1	2,293927	50%	7,689099	0,908038	1,89E-09	1,91E-07
NPSR1-AS1	1,907476	56%	5,835187	-0,93533	1,94E-09	1,95E-07
TPTEP1	1,541236	61%	2,07623	3,292784	3,08E-09	2,83E-07
RP11-400N13.2	1,451466	39%	6,199272	-1,48711	3,50E-09	3,13E-07
RP11-417E7.1	1,423607	67%	3,853208	-2,17332	4,10E-09	3,53E-07
RP11-253E3.3	1,350681	67%	1,448427	2,118659	4,18E-09	3,58E-07
FAM222A-AS1	1,868709	78%	3,069305	-0,86708	4,19E-09	3,58E-07
LINC00092	-1,8397	0%	-1,759026	-0,40492	4,26E-09	3,61E-07
ELFN1-AS1	2,708777	78%	3,407765	1,258859	4,60E-09	3,83E-07
SLCO4A1-AS1	1,545126	72%	2,271068	0,529051	5,14E-09	4,18E-07
RP11-353N14.5	1,775434	72%	2,365475	-0,69044	5,94E-09	4,68E-07
RP11-815M8.1	1,274036	50%	4,962054	-2,23889	6,12E-09	4,78E-07
RP11-209E8.1	-2,38405	0%	-3,428496	-0,79874	6,20E-09	4,79E-07
AC123023.1	1,774102	67%	3,62274	-1,48516	6,94E-09	5,27E-07
RP11-768B22.2	-1,41811	0%	-2,030234	-1,53725	8,88E-09	6,45E-07
RP11-353N14.4	1,755875	67%	2,601613	-0,40732	1,11E-08	7,71E-07
RP11-277P12.10	1,444398	56%	4,2566	-1,60996	1,74E-08	1,11E-06
RP11-202A13.1	-2,33774	0%	-2,274051	-0,76951	2,79E-08	1,63E-06
RP1-140K8.5	2,126569	72%	3,887964	-0,70275	2,82E-08	1,64E-06
RP11-469H8.6	1,075826	44%	4,717675	-2,34411	3,26E-08	1,84E-06
AC064834.1	1,414233	56%	4,614037	-1,64937	3,30E-08	1,86E-06
RP11-1143G9.5	1,418072	56%	2,703164	0,965165	3,77E-08	2,09E-06
RP11-170M17.1	1,30132	56%	4,154997	-2,12612	3,89E-08	2,15E-06
LINC00494	-1,81705	0%	-1,972521	-0,21879	4,23E-08	2,32E-06
CTD-2023N9.1	-1,45997	0%	-2,768146	-2,16838	4,27E-08	2,34E-06

* Likelihood ratio according to edgeR software package