

ensembl_gene_id	external_gene_name	log2FoldChange
1 LORICRIN	loricrin cornified envelope precursor protein	-7,22177
2 GPR15LG	G protein-coupled receptor 15 ligand	-5,7884
3 ZBTB16	zinc finger and BTB domain containing 16	-5,22691
4 PGLYRP4	peptidoglycan recognition protein 4	-4,89238
5 PPP2R2B	protein phosphatase 2 regulatory subunit Bbeta	-4,69335
6 EPHX3	epoxide hydrolase 3	-4,33037
7 RTP4	receptor transporter protein 4	-4,11502
8 SLC15A1	solute carrier family 15 member 1	-4,07504
9 ATP10B	ATPase phospholipid transporting 10B (putative)	-4,0271
10 KRTDAP	keratinocyte differentiation associated protein	-3,6696
11 SPRR1A	small proline rich protein 1A	-3,64273
12 ENSG00000283761		-3,57749
13 EEF1A2	eukaryotic translation elongation factor 1 alpha 2	-3,50031
14 PLA2G4E	phospholipase A2 group IVE	-3,48299
15 TMEM45B	transmembrane protein 45B	-3,3472
16 PPP3	tubulin polymerization promoting protein family member 3	-3,29798
17 HAL	histidine ammonia-lyase	-3,189
18 SDAD1P1		-3,17847
19 RDH12	retinol dehydrogenase 12	-3,16561
20 NEBL	nebulette	-3,00313
21 SBSN	suprabasin	-3,0016
22 CALML5	calmodulin like 5	-2,94458
23 ARG1	arginase 1	-2,93876
24 TMPRSS11F	transmembrane serine protease 11F	-2,82264
25 AKR1B10	aldo-keto reductase family 1 member B10	-2,78411
26 TGM1	transglutaminase 1	-2,63908
27 PGLYRP3	peptidoglycan recognition protein 3	-2,60163
28 SDR9C7	short chain dehydrogenase/reductase family 9C member 7	-2,59588
29 FOXN1	forkhead box N1	-2,56517
30 LURAP1L-AS1		-2,54137
31 SCG5	secretogranin V	-2,5321
32 H2BC15	H2B clustered histone 15	-2,52391
33 DGAT2	diacylglycerol O-acyltransferase 2	-2,48908
34 CYP4F22	cytochrome P450 family 4 subfamily F member 22	-2,41832
35 CARMIL3	capping protein regulator and myosin 1 linker 3	-2,39088
36 CAMK1D	calcium/calmodulin dependent protein kinase ID	-2,35966
37 KRT78	keratin 78	-2,35233
38 ENSG00000286288		-2,33701
39 LINC01376	long intergenic non-protein coding RNA 1376	-2,29011
40 MIR3685	microRNA 3685	-2,25399
41 ENSG00000273186		-2,25156
42 DEGS2	delta 4-desaturase, sphingolipid 2	-2,23552
43 CHRNA10	cholinergic receptor nicotinic alpha 10 subunit	-2,23533
44 POU2F2-AS2	POU2F2 antisense RNA 2	-2,14861
45 SCN1B	sodium channel epithelial 1 subunit beta	-2,13956
46 KRT6C	keratin 6C	-2,12487
47 ZNF750	zinc finger protein 750	-2,11767
48 GGT6	gamma-glutamyltransferase 6	-2,06408
49 SMPD3	sphingomyelin phosphodiesterase 3	-2,06186
50 ALDH3B2	aldehyde dehydrogenase 3 family member B2	-2,03795
51 GNAO1	G protein subunit alpha o1	-2,00212
52 IGFL1	IGF like family member 1	-1,98607
53 ANKRD22	ankyrin repeat domain 22	-1,98041
54 SPRR1B	small proline rich protein 1B	-1,96706
55 BNIPL	BCL2 interacting protein like	-1,9391
56 GDDP2	glycerophosphodiester phosphodiesterase domain containing 2	-1,92521
57 ENSG00000262877		-1,9242
58 RHCG	Rh family C glycoprotein	-1,8973
59 PNPLA7	patatin like phospholipase domain containing 7	-1,89144
60 CLIC3	chloride intracellular channel 3	-1,86928

61	TNXB	tenascin XB	-1,83709
62	NCCRP1	NCCRP1, F-box associated domain containing	-1,79049
63	INTS6-AS1		-1,78439
64	ENSG00000269906		-1,7612
65	KRT80	keratin 80	-1,72387
66	PLA2G3	phospholipase A2 group III	-1,70878
67	SULT2B1	sulfotransferase family 2B member 1	-1,68598
68	SPRR3	small proline rich protein 3	-1,67888
69	ARL9	ADP ribosylation factor like GTPase 9	-1,63964
70	NECTIN4	nectin cell adhesion molecule 4	-1,63124
71	B3GALT4	beta-1,3-galactosyltransferase 4	-1,62985
72	ENSG00000290537		-1,62745
73	PPM1L	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1L	-1,56452
74	RTCA-AS1		-1,55953
75	RRAD	RRAD, Ras related glycolysis inhibitor and calcium channel regulator	-1,55016
76	CNFN	cornifelin	-1,54795
77	ABCA12	ATP binding cassette subfamily A member 12	-1,51458
78	CRABP2	cellular retinoic acid binding protein 2	-1,51213
79	USH1G	USH1 protein network component sans	-1,5035
80	TNFRSF18	TNF receptor superfamily member 18	-1,49478
81	A2ML1	alpha-2-macroglobulin like 1	-1,49104
82	USP51	ubiquitin specific peptidase 51	-1,486
83	C2orf66	chromosome 2 open reading frame 66	-1,48393
84	OVOL1	ovo like transcriptional repressor 1	-1,47312
85	LY6D	lymphocyte antigen 6 family member D	-1,44478
86	GLIPR2	GLI pathogenesis related 2	-1,44053
87	METRNL	meteorin like, glial cell differentiation regulator	-1,43673
88	LINC00520	long intergenic non-protein coding RNA 520	-1,42208
89	SMAD9	SMAD family member 9	-1,39784
90	HSPB8	heat shock protein family B (small) member 8	-1,38883
91	LCN2	lipocalin 2	-1,38728
92	WNT2B	Wnt family member 2B	-1,35277
93	BLNK	B cell linker	-1,33331
94	VGLL1	vestigial like family member 1	-1,32782
95	SPNS2	SPNS lysolipid transporter 2, sphingosine-1-phosphate	-1,32277
96	BACH2	BTB domain and CNC homolog 2	-1,30842
97	CRYAB	crystallin alpha B	-1,30365
98	FAXDC2	fatty acid hydroxylase domain containing 2	-1,29571
99	OCLN	occludin	-1,29232
100	NETO1	neuropilin and tolloid like 1	-1,2764
101	EFNA3	ephrin A3	-1,27594
102	GRHL1	grainyhead like transcription factor 1	-1,27143
103	LGALS7	galectin 7	-1,26319
104	CAPNS2	calpain small subunit 2	-1,2513
105	HAS2	hyaluronan synthase 2	-1,25097
106	MTX1LP		-1,24174
107	LNCOG	lncRNA osteogenesis associated	-1,23164
108	H2BC21	H2B clustered histone 21	-1,21756
109	SORT1	sortilin 1	-1,21257
110	H2AC6	H2A clustered histone 6	-1,19217
111	TMPPRS11D	transmembrane serine protease 11D	-1,18933
112	CSTA	cystatin A	-1,17769
113	EML6	EMAP like 6	-1,17744
114	LMO7	LIM domain 7	-1,17464
115	GSEC		-1,17242
116	PTGER4	prostaglandin E receptor 4	-1,17241
117	SMOC2	SPARC related modular calcium binding 2	-1,16787
118	IL24	interleukin 24	-1,16383
119	PPP1R3C	protein phosphatase 1 regulatory subunit 3C	-1,13619
120	RORA	RAR related orphan receptor A	-1,13605
121	SERPINB10	serpin family B member 10	-1,12567

122	ST6GALNAC5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	-1,09814
123	CLDN1	claudin 1	-1,09595
124	GAS6-DT	GAS6 divergent transcript	-1,09574
125	OASL	2'-5'-oligoadenylate synthetase like	-1,09545
126	LCE3D	late cornified envelope 3D	-1,08978
127	MRPL20-DT		-1,07517
128	SLC1A3	solute carrier family 1 member 3	-1,0728
129	HS3ST3B1	heparan sulfate-glucosamine 3-sulfotransferase 3B1	-1,07272
130	ULBP3	UL16 binding protein 3	-1,0686
131	ODC1	ornithine decarboxylase 1	-1,05043
132	H19	H19 imprinted maternally expressed transcript	-1,04735
133	CREB5	cAMP responsive element binding protein 5	-1,04227
134	HSH2D	hematopoietic SH2 domain containing	-1,03678
135	KITLG	KIT ligand	-1,03278
136	CYR1	cysteine and tyrosine rich 1	-1,0303
137	CDKN2B	cyclin dependent kinase inhibitor 2B	-1,02954
138	VIPR1	vasoactive intestinal peptide receptor 1	-1,02609
139	SPTBN5	spectrin beta, non-erythrocytic 5	-1,01731
140	SERPINB2	serpin family B member 2	-1,01514
141	ENSG00000279806		-1,00854
142	TRAF4	TNF receptor associated factor 4	1,005173
143	SERPINE1	serpin family E member 1	1,011381
144	IDH2	isocitrate dehydrogenase (NADP(+)) 2	1,012689
145	TGFA	transforming growth factor alpha	1,015554
146	NUDT18	nudix hydrolase 18	1,016266
147	CFAP46	cilia and flagella associated protein 46	1,017077
148	TCAF1P1		1,017847
149	FAM89B	family with sequence similarity 89 member B	1,020694
150	LGALS9B	galectin 9B	1,023709
151	ENSG00000290977		1,03398
152	ARSI	arylsulfatase family member I	1,034551
153	LINC01605		1,037334
154	PROSER2	proline and serine rich 2	1,038803
155	ACOT11	acyl-CoA thioesterase 11	1,03941
156	CEBPB	CCAAT enhancer binding protein beta	1,041406
157	CSMD3	CUB and Sushi multiple domains 3	1,041736
158	TDRKH	tudor and KH domain containing	1,045863
159	DMTN	dematin actin binding protein	1,057622
160	DLL1	delta like canonical Notch ligand 1	1,060079
161	SEC14L1	SEC14 like lipid binding 1	1,062642
162	ABHD14A	abhydrolase domain containing 14A	1,067816
163	LINC01322	long intergenic non-protein coding RNA 1322	1,078959
164	MYOSLID	myocardin-induced smooth muscle lncRNA, inducer of differentiation	1,088616
165	PODXL	podocalyxin like	1,092919
166	KRT16P4		1,095109
167	KRT16P5		1,115734
168	UPK3B	uroplakin 3B	1,134097
169	TMEM51-AS1	TMEM51 antisense RNA 1	1,156298
170	RHOF	ras homolog family member F, filopodia associated	1,156611
171	GPCPD1	glycerophosphocholine phosphodiesterase 1	1,160867
172	STS	steroid sulfatase	1,166753
173	EPHB2	EPH receptor B2	1,18222
174	GREB1L	GREB1 like retinoic acid receptor coactivator	1,19052
175	IGFBP3	insulin like growth factor binding protein 3	1,205868
176	MYO5C	myosin VC	1,219634
177	ENSG00000283511		1,229124
178	HES7	hes family bHLH transcription factor 7	1,269123
179	LINC03014	long intergenic non-protein coding RNA 3014	1,274174
180	ENSG00000231628		1,293358
181	CLDN23	claudin 23	1,316403
182	SPATA17	spermatogenesis associated 17	1,344212

183	NKILA	NF-kappaB interacting lncRNA	1,587112
184	HOMER3-AS1		1,590732
185	ENSG00000273314		1,629483
186	ZFP57	ZFP57 zinc finger protein	1,769338
187	MIR647	microRNA 647	1,790696
188	ST3GAL6-AS1		1,806374
189	TNPO1P2		1,829223
190	RNU6-26P		1,906413
191	FBXO24	F-box protein 24	2,174403
192	ENSG00000229167		2,225672
193	ENSG00000288891		2,284097
194	NALCN	sodium leak channel, non-selective	3,006911
195	ENSG00000267218		3,544783
196	MIR3972	microRNA 3972	3,971469
197	SARDH	sarcosine dehydrogenase	4,171647
198	MCF2	MCF.2 cell line derived transforming sequence	4,543115
199	PPIAP14		6,064006
200	ALOX5	arachidonate 5-lipoxygenase	6,299346