

p_val	avg_log2F	pct. 1	pct. 2	p_val_adj	cluster	gene
CCL23	0	2.651228	0.634	0.078	0	Endotheli:CCL23
EMCN	0	2.2278348	0.821	0.075	0	Endotheli:EMCN
PCAT19	6.29E-267	2.2706199	0.844	0.159	1.26E-263	Endotheli:PCAT19
IFI27	3.36E-262	3.9424235	0.966	0.244	6.73E-259	Endotheli:IFI27
AQP1	4.88E-251	3.0063653	0.891	0.177	9.76E-248	Endotheli:AQP1
ECSCR.1	1.21E-250	2.3108478	0.838	0.093	2.41E-247	Endotheli:ECSCR.1
RNASE1	3.44E-243	2.6816132	0.877	0.159	6.88E-240	Endotheli:RNASE1
VWF	3.22E-240	2.8454161	0.844	0.146	6.44E-237	Endotheli:VWF
HLA-DRB5	1.20E-233	2.9518823	0.972	0.389	2.39E-230	Endotheli:HLA-DRB5
RAMP2	3.18E-231	2.7690945	0.863	0.2	6.35E-228	Endotheli:RAMP2
HLA-DRB1	2.15E-227	3.089671	0.978	0.323	4.29E-224	Endotheli:HLA-DRB1
GNG11	1.48E-219	2.5380538	0.941	0.282	2.96E-216	Endotheli:GNG11
PECAM1	5.75E-217	2.1870867	0.793	0.109	1.15E-213	Endotheli:PECAM1
HLA-DRA	7.39E-217	2.4660482	0.969	0.281	1.48E-213	Endotheli:HLA-DRA
C2CD4B	2.66E-213	2.9524438	0.799	0.246	5.32E-210	Endotheli:C2CD4B
TM4SF1	9.95E-212	3.5383685	0.989	0.528	1.99E-208	Endotheli:TM4SF1
ACKR1	2.49E-203	4.743122	0.832	0.23	4.99E-200	Endotheli:ACKR1
SELE	7.13E-200	3.7220063	0.782	0.239	1.43E-196	Endotheli:SELE
CD74	3.54E-196	2.9040327	0.994	0.6	7.07E-193	Endotheli:CD74
CAV1	1.42E-193	2.5561463	0.933	0.322	2.84E-190	Endotheli:CAV1
CLDN5	7.45E-187	2.6902631	0.732	0.114	1.49E-183	Endotheli:CLDN5
HLA-DQB1	2.69E-186	1.7972535	0.855	0.217	5.39E-183	Endotheli:HLA-DQB1
HLA-DPA1	4.63E-179	1.7838243	0.849	0.261	9.25E-176	Endotheli:HLA-DPA1
HLA-DPB1	6.77E-179	1.6985661	0.855	0.245	1.35E-175	Endotheli:HLA-DPB1
IFITM2	2.73E-178	1.9580479	0.939	0.336	5.46E-175	Endotheli:IFITM2
PLVAP	4.02E-178	2.1259452	0.721	0.056	8.03E-175	Endotheli:PLVAP
TCF4	8.93E-178	2.0424056	0.83	0.209	1.79E-174	Endotheli:TCF4
CXorf36	1.07E-177	1.411777	0.62	0.064	2.15E-174	Endotheli:CXorf36
HLA-DQA1	8.58E-177	1.6131452	0.768	0.134	1.72E-173	Endotheli:HLA-DQA1
SPARCL1	2.24E-175	2.3425083	0.955	0.361	4.48E-172	Endotheli:SPARCL1
ICAM1	6.94E-173	2.5485211	0.866	0.329	1.39E-169	Endotheli:ICAM1
IGFBP7	4.58E-168	2.4038812	0.983	0.537	9.16E-165	Endotheli:IGFBP7
ADAMTS9	5.75E-167	2.2962547	0.76	0.226	1.15E-163	Endotheli:ADAMTS9
ADGRL4	3.41E-163	1.5624201	0.626	0.095	6.81E-160	Endotheli:ADGRL4
CD93	8.28E-159	1.6731642	0.656	0.082	1.66E-155	Endotheli:CD93
VCAM1	1.85E-156	3.1750163	0.768	0.29	3.70E-153	Endotheli:VCAM1
SOX17	1.52E-154	1.2818282	0.536	0.1	3.04E-151	Endotheli:SOX17
GIMAP7	3.01E-149	1.8527124	0.642	0.098	6.02E-146	Endotheli:GIMAP7
CD200	5.92E-142	1.4005797	0.637	0.114	1.18E-138	Endotheli:CD200
TSPAN7	5.19E-141	1.729538	0.707	0.218	1.04E-137	Endotheli:TSPAN7
IFITM1	1.08E-140	1.6848541	0.74	0.246	2.15E-137	Endotheli:IFITM1
NNMT	6.63E-137	1.8470259	0.835	0.297	1.33E-133	Endotheli:NNMT
VIM	1.20E-135	1.5663884	0.994	0.403	2.41E-132	Endotheli:VIM
TMEM255B	1.24E-134	1.2406437	0.623	0.145	2.49E-131	Endotheli:TMEM255B
MYCT1	9.30E-134	1.0017154	0.52	0.067	1.86E-130	Endotheli:MYCT1
CALCRL	1.02E-132	1.6163621	0.659	0.108	2.04E-129	Endotheli:CALCRL
NPDC1	4.37E-132	1.7590539	0.777	0.251	8.75E-129	Endotheli:NPDC1
RCAN1	9.10E-131	1.7296204	0.723	0.184	1.82E-127	Endotheli:RCAN1
MCTP1	2.76E-128	1.3053751	0.628	0.18	5.52E-125	Endotheli:MCTP1
HLA-DMA	8.25E-128	1.5404673	0.743	0.227	1.65E-124	Endotheli:HLA-DMA

RND1	8.53E-126	1.738191	0.642	0.165	1.71E-122	Endotheli	RND1
IFITM3	2.78E-123	1.5846337	0.992	0.67	5.56E-120	Endotheli	IFITM3
ARHGAP29	2.81E-123	1.5390612	0.684	0.204	5.61E-120	Endotheli	ARHGAP29
SOX7	5.56E-123	1.3283656	0.603	0.143	1.11E-119	Endotheli	SOX7
RAMP3	3.56E-121	1.9011376	0.659	0.176	7.11E-118	Endotheli	RAMP3
STC1	7.37E-121	2.8565775	0.687	0.249	1.47E-117	Endotheli	STC1
ENG	5.31E-113	1.3097992	0.654	0.158	1.06E-109	Endotheli	ENG
NRN1	4.48E-112	1.1631582	0.511	0.08	8.97E-109	Endotheli	NRN1
ANGPT2	1.11E-111	1.4788921	0.55	0.121	2.22E-108	Endotheli	ANGPT2
ZNF385D	2.50E-111	1.6980139	0.634	0.179	5.01E-108	Endotheli	ZNF385D
IL6	4.10E-111	2.7918448	0.651	0.174	8.20E-108	Endotheli	IL6
SLC2A3	2.49E-110	1.6284175	0.696	0.196	4.98E-107	Endotheli	SLC2A3
MGST1	4.98E-109	-1.877363	0.397	0.853	9.96E-106	Endotheli	MGST1
CSF3	1.05E-106	2.4650963	0.67	0.293	2.10E-103	Endotheli	CSF3
FLT1	3.29E-106	1.1555852	0.531	0.095	6.58E-103	Endotheli	FLT1
FAM167B	1.09E-105	1.357732	0.561	0.167	2.19E-102	Endotheli	FAM167B
ADAMTS4	2.64E-99	1.3573787	0.626	0.209	5.28E-96	Endotheli	ADAMTS4
UPP1	6.99E-99	1.3948682	0.715	0.292	1.40E-95	Endotheli	UPP1
JAM2	4.74E-97	1.3817215	0.668	0.279	9.49E-94	Endotheli	JAM2
BCAM	2.65E-96	1.3930345	0.751	0.343	5.31E-93	Endotheli	BCAM
TNFSF10	1.27E-95	1.6352071	0.668	0.246	2.54E-92	Endotheli	TNFSF10
LY96	7.65E-95	1.2364722	0.626	0.201	1.53E-91	Endotheli	LY96
CNKS3	5.14E-93	1.2997656	0.609	0.241	1.03E-89	Endotheli	CNKS3
RHOJ	7.33E-89	1.1750116	0.57	0.2	1.47E-85	Endotheli	RHOJ
MT2A	6.56E-88	1.7536108	0.832	0.441	1.31E-84	Endotheli	MT2A
CCL2	9.14E-88	2.1304787	0.743	0.303	1.83E-84	Endotheli	CCL2
MEF2C	3.04E-86	1.2388495	0.659	0.257	6.08E-83	Endotheli	MEF2C
A2M	4.37E-85	1.2395102	0.804	0.41	8.74E-82	Endotheli	A2M
S1PR1	7.72E-85	1.1238405	0.545	0.196	1.54E-81	Endotheli	S1PR1
CXCL2	6.04E-84	2.2345501	0.807	0.453	1.21E-80	Endotheli	CXCL2
IL3RA	2.80E-81	1.107187	0.567	0.247	5.61E-78	Endotheli	IL3RA
FX3D3	1.89E-80	-1.941941	0.425	0.85	3.77E-77	Endotheli	FX3D3
FNIP2	1.31E-79	1.26549	0.69	0.302	2.61E-76	Endotheli	FNIP2
C1orf54	1.42E-78	1.0129749	0.595	0.207	2.84E-75	Endotheli	C1orf54
YPEL2	1.53E-78	1.1692188	0.603	0.254	3.05E-75	Endotheli	YPEL2
INSIG1	2.32E-77	1.2759292	0.735	0.378	4.64E-74	Endotheli	INSIG1
ESAM	1.57E-75	1.3230904	0.564	0.218	3.14E-72	Endotheli	ESAM
AQP3	8.39E-75	-1.924972	0.553	0.906	1.68E-71	Endotheli	AQP3
SELP	2.34E-74	1.2393511	0.503	0.117	4.69E-71	Endotheli	SELP
CSRP2	2.21E-73	1.3000715	0.651	0.305	4.41E-70	Endotheli	CSRP2
PTRF	2.54E-72	1.0019288	0.757	0.326	5.07E-69	Endotheli	PTRF
SOCS3	1.24E-71	1.6238831	0.765	0.422	2.48E-68	Endotheli	SOCS3
SPRY1	1.64E-71	1.8858208	0.642	0.259	3.28E-68	Endotheli	SPRY1
KRT19	2.02E-71	-2.142143	0.592	0.898	4.04E-68	Endotheli	KRT19
PALMD	3.82E-71	1.1998018	0.528	0.162	7.63E-68	Endotheli	PALMD
THBD	1.78E-70	1.2790803	0.645	0.276	3.55E-67	Endotheli	THBD
CD34	9.81E-70	1.0601834	0.556	0.162	1.96E-66	Endotheli	CD34
LY6D	1.69E-69	-2.097141	0.461	0.842	3.39E-66	Endotheli	LY6D
COL15A1	4.58E-69	1.1159484	0.615	0.27	9.15E-66	Endotheli	COL15A1
DUSP6	6.65E-69	1.0864983	0.615	0.24	1.33E-65	Endotheli	DUSP6
AGR2	1.88E-67	-1.81423	0.433	0.823	3.76E-64	Endotheli	AGR2

KLF2	7.37E-66	1.3050493	0.648	0.281	1.47E-62	Endotheli	KLF2
HPGD	8.06E-64	-1.59321	0.369	0.743	1.61E-60	Endotheli	HPGD
ARL4A	7.10E-63	1.366894	0.628	0.297	1.42E-59	Endotheli	ARL4A
CYP1B1	1.99E-62	1.4037417	0.511	0.175	3.98E-59	Endotheli	CYP1B1
HSPG2	4.62E-62	1.002473	0.598	0.22	9.24E-59	Endotheli	HSPG2
SFN	2.50E-61	-1.761701	0.466	0.827	5.00E-58	Endotheli	SFN
EZR	1.69E-60	-1.277491	0.492	0.832	3.38E-57	Endotheli	EZR
KRT8	1.04E-58	-1.510696	0.494	0.83	2.09E-55	Endotheli	KRT8
S100A4	1.27E-58	-1.877165	0.447	0.751	2.54E-55	Endotheli	S100A4
ADAMTS1	4.49E-58	1.2099241	0.564	0.198	8.98E-55	Endotheli	ADAMTS1
GPX2	4.99E-58	-1.427448	0.436	0.816	9.97E-55	Endotheli	GPX2
KRT18	1.24E-57	-1.441861	0.444	0.816	2.47E-54	Endotheli	KRT18
C19orf33	1.32E-57	-1.401047	0.411	0.79	2.63E-54	Endotheli	C19orf33
CFD	3.08E-57	-3.082278	0.332	0.686	6.16E-54	Endotheli	CFD
KRT13	6.19E-56	-1.882546	0.553	0.868	1.24E-52	Endotheli	KRT13
AKR1C2	1.87E-54	-1.400234	0.472	0.806	3.75E-51	Endotheli	AKR1C2
CLDN4	5.26E-50	-2.017136	0.433	0.764	1.05E-46	Endotheli	CLDN4
GPRC5A	9.95E-50	-1.138158	0.455	0.769	1.99E-46	Endotheli	GPRC5A
KLF5	1.55E-49	-1.284968	0.422	0.768	3.11E-46	Endotheli	KLF5
SMIM22	1.62E-49	-1.347696	0.38	0.738	3.25E-46	Endotheli	SMIM22
KRT7	4.07E-49	-1.564295	0.355	0.723	8.15E-46	Endotheli	KRT7
SPINT2	4.02E-47	-1.297382	0.422	0.757	8.04E-44	Endotheli	SPINT2
DHRS2	2.47E-43	-1.659521	0.453	0.76	4.95E-40	Endotheli	DHRS2
SERPINB5	8.18E-42	-1.054485	0.399	0.731	1.64E-38	Endotheli	SERPINB5
HN1	1.06E-41	-1.010216	0.321	0.69	2.12E-38	Endotheli	HN1
LYPD3	4.95E-39	-1.075226	0.254	0.57	9.89E-36	Endotheli	LYPD3
ANXA10	5.58E-39	-1.078144	0.355	0.659	1.12E-35	Endotheli	ANXA10
FAM3B	3.39E-38	-1.046532	0.363	0.671	6.77E-35	Endotheli	FAM3B
LAMB3	4.60E-36	-1.023802	0.391	0.701	9.20E-33	Endotheli	LAMB3
PTGDS		0 3.7084805	0.847	0.125		Fibroblas	PTGDS
PLA2G2A		0 3.3046148	0.685	0.155		Fibroblas	PLA2G2A
APOE		0 3.5003441	0.825	0.162		Fibroblas	APOE
CCL11		0 1.3848068	0.77	0.123		Fibroblas	CCL11
SFRP4		0 2.5848317	0.605	0.052		Fibroblas	SFRP4
PCP4		0 -1.658295	0.686	0.223		Fibroblas	PCP4
IGHG1		0 -2.160151	0.655	0.177		Fibroblas	IGHG1
APOD		0 2.0857326	0.843	0.174		Fibroblas	APOD
MYLK		0 -1.190416	0.701	0.232		Fibroblas	MYLK
MYH11		0 -1.216996	0.725	0.259		Fibroblas	MYH11
MT2A1		0 2.0212149	0.806	0.328		Fibroblas	MT2A
SFRP1		0 2.9111197	0.889	0.05		Fibroblas	SFRP1
CHRD12		0 1.2314591	0.791	0.146		Fibroblas	CHRD12
IGHA1		0 -1.506902	0.598	0.138		Fibroblas	IGHA1
MFAP5		0 3.312343	0.75	0.077		Fibroblas	MFAP5
TNFAIP6		0 3.1141523	0.802	0.109		Fibroblas	TNFAIP6
PCOLCE2		0 2.195435	0.735	0.081		Fibroblas	PCOLCE2
AGR21		0 -2.63162	0.582	0.893		Fibroblas	AGR2
PI16		0 2.5511948	0.723	0.092		Fibroblas	PI16
CTGF		0 1.6021967	0.668	0.085		Fibroblas	CTGF
POSTN		0 1.2101334	0.64	0.093		Fibroblas	POSTN
SERPINE2		0 2.9724156	0.855	0.136		Fibroblas	SERPINE2

KRT71	0 -2. 228122	0. 459	0. 803	0 Fibroblas·KRT7
A2M1	0 1. 6630751	0. 9	0. 253	0 Fibroblas·A2M
IGLC2	0 -2. 053412	0. 516	0. 052	0 Fibroblas·IGLC2
CTHRC1	0 1. 5168443	0. 652	0. 076	0 Fibroblas·CTHRC1
MEG3	0 2. 248989	0. 846	0. 063	0 Fibroblas·MEG3
IGFBP5	0 3. 1189015	0. 933	0. 42	0 Fibroblas·IGFBP5
IGFBP6	0 3. 5028309	0. 869	0. 147	0 Fibroblas·IGFBP6
IGHM	0 -1. 093852	0. 652	0. 15	0 Fibroblas·IGHM
SFRP2	0 4. 4164523	0. 936	0. 112	0 Fibroblas·SFRP2
SRPX	0 1. 4606192	0. 831	0. 058	0 Fibroblas·SRPX
TSTD1	0 -1. 371031	0. 265	0. 647	0 Fibroblas·TSTD1
ATP1B1	0 -1. 275924	0. 287	0. 591	0 Fibroblas·ATP1B1
BDKRB1	0 1. 4675594	0. 607	0. 136	0 Fibroblas·BDKRB1
C11orf96	0 2. 01182	0. 864	0. 465	0 Fibroblas·C11orf96
SMPDL3A	0 1. 24155	0. 822	0. 137	0 Fibroblas·SMPDL3A
SOWAHC	0 -1. 299318	0. 267	0. 605	0 Fibroblas·SOWAHC
TIMP1	0 3. 5534666	0. 991	0. 673	0 Fibroblas·TIMP1
CILP	0 1. 4925777	0. 668	0. 056	0 Fibroblas·CILP
MGP	0 5. 386015	0. 988	0. 276	0 Fibroblas·MGP
DPT	0 2. 9184114	0. 836	0. 053	0 Fibroblas·DPT
BASP1	0 1. 4131067	0. 793	0. 166	0 Fibroblas·BASP1
CCDC80	0 4. 1603701	0. 937	0. 094	0 Fibroblas·CCDC80
FGF7	0 1. 3280437	0. 666	0. 045	0 Fibroblas·FGF7
RBP1	0 1. 6936301	0. 881	0. 119	0 Fibroblas·RBP1
CD248	0 1. 5195228	0. 715	0. 056	0 Fibroblas·CD248
FN1	0 1. 540171	0. 853	0. 147	0 Fibroblas·FN1
ADH1B	0 1. 7825533	0. 769	0. 065	0 Fibroblas·ADH1B
TIMP3	0 2. 2707042	0. 895	0. 274	0 Fibroblas·TIMP3
VCAN	0 2. 19523	0. 86	0. 069	0 Fibroblas·VCAN
C7	0 1. 5606817	0. 777	0. 063	0 Fibroblas·C7
OGN	0 2. 1636335	0. 807	0. 055	0 Fibroblas·OGN
BGN	0 2. 1181429	0. 844	0. 105	0 Fibroblas·BGN
TMEM176B	0 1. 5651935	0. 812	0. 145	0 Fibroblas·TMEM176B
EMP3	0 2. 2485615	0. 924	0. 194	0 Fibroblas·EMP3
COL6A3	0 3. 2433583	0. 967	0. 151	0 Fibroblas·COL6A3
IGF1	0 2. 2593093	0. 784	0. 06	0 Fibroblas·IGF1
TCF21	0 1. 5688606	0. 843	0. 123	0 Fibroblas·TCF21
CYR61	0 1. 3028396	0. 646	0. 136	0 Fibroblas·CYR61
C3	0 1. 8755212	0. 749	0. 095	0 Fibroblas·C3
HTRA3	0 1. 175874	0. 592	0. 063	0 Fibroblas·HTRA3
LINC01082	0 1. 0444682	0. 79	0. 125	0 Fibroblas·LINC01082
MMP23B	0 1. 6761918	0. 814	0. 122	0 Fibroblas·MMP23B
MATN2	0 1. 6137598	0. 818	0. 101	0 Fibroblas·MATN2
EFEMP1	0 2. 8817072	0. 855	0. 077	0 Fibroblas·EFEMP1
ABI3BP	0 1. 5256339	0. 724	0. 047	0 Fibroblas·ABI3BP
HTRA1	0 1. 7545665	0. 865	0. 101	0 Fibroblas·HTRA1
ITM2A	0 2. 3637313	0. 846	0. 127	0 Fibroblas·ITM2A
PLAT	0 1. 3838696	0. 747	0. 225	0 Fibroblas·PLAT
COL1A1	0 4. 4482216	0. 973	0. 163	0 Fibroblas·COL1A1
THY1	0 2. 749879	0. 878	0. 113	0 Fibroblas·THY1
RARRES2	0 2. 1984658	0. 835	0. 136	0 Fibroblas·RARRES2

TMEM176A	0 1.2457206	0.685	0.057	0 Fibroblas·TMEM176A
SERPINF1	0 3.6812893	0.96	0.102	0 Fibroblas·SERPINF1
LUM	0 5.4742675	0.978	0.209	0 Fibroblas·LUM
CTSK	0 2.1853777	0.88	0.063	0 Fibroblas·CTSK
SPON2	0 2.353187	0.895	0.084	0 Fibroblas·SPON2
PDPN	0 1.1500692	0.646	0.123	0 Fibroblas·PDPN
PLPP3	0 1.4791408	0.8	0.145	0 Fibroblas·PLPP3
FBLN2	0 1.5801163	0.762	0.058	0 Fibroblas·FBLN2
COL8A1	0 1.1477093	0.629	0.067	0 Fibroblas·COL8A1
MFAP4	0 2.8156155	0.885	0.1	0 Fibroblas·MFAP4
NNMT1	0 1.610783	0.804	0.139	0 Fibroblas·NNMT
ELN	0 1.6582484	0.77	0.065	0 Fibroblas·ELN
C1R	0 3.2479591	0.963	0.126	0 Fibroblas·C1R
CALD1	0 1.6583073	0.995	0.254	0 Fibroblas·CALD1
COL14A1	0 2.1668118	0.898	0.045	0 Fibroblas·COL14A1
GSN	0 3.8421753	0.974	0.333	0 Fibroblas·GSN
FSTL1	0 2.4877422	0.887	0.157	0 Fibroblas·FSTL1
PLAC9	0 3.7678601	0.974	0.087	0 Fibroblas·PLAC9
VAMP8	0 -1.59629	0.321	0.703	0 Fibroblas·VAMP8
SLIT3	0 1.0485549	0.631	0.101	0 Fibroblas·SLIT3
PLTP	0 1.8387061	0.877	0.093	0 Fibroblas·PLTP
SOD3	0 2.8393689	0.943	0.121	0 Fibroblas·SOD3
IGFBP4	0 3.0646583	0.969	0.299	0 Fibroblas·IGFBP4
HSPB6	0 1.2755276	0.81	0.163	0 Fibroblas·HSPB6
FBLN1	0 4.2510161	0.972	0.328	0 Fibroblas·FBLN1
COL3A1	0 4.0290772	0.974	0.188	0 Fibroblas·COL3A1
PCOLCE	0 3.0799144	0.932	0.068	0 Fibroblas·PCOLCE
PTN	0 2.0330148	0.874	0.119	0 Fibroblas·PTN
MMP2	0 3.1944958	0.949	0.162	0 Fibroblas·MMP2
SPARC	0 3.6341137	0.981	0.186	0 Fibroblas·SPARC
CFD1	0 4.9472906	0.975	0.573	0 Fibroblas·CFD
LOXL1	0 1.0384713	0.603	0.098	0 Fibroblas·LOXL1
COL5A1	0 1.350008	0.699	0.044	0 Fibroblas·COL5A1
TFPI	0 1.0902823	0.883	0.338	0 Fibroblas·TFPI
OLFML3	0 1.7157681	0.872	0.103	0 Fibroblas·OLFML3
NUPR1	0 1.9569851	0.936	0.235	0 Fibroblas·NUPR1
ISLR	0 1.0660747	0.586	0.052	0 Fibroblas·ISLR
COL1A2	0 3.9610052	0.985	0.191	0 Fibroblas·COL1A2
CFH	0 1.7595198	0.872	0.318	0 Fibroblas·CFH
SDC2	0 1.6889092	0.811	0.115	0 Fibroblas·SDC2
CXCL12	0 1.4005215	0.833	0.047	0 Fibroblas·CXCL12
PRRX1	0 1.0375804	0.65	0.047	0 Fibroblas·PRRX1
GPNMB	0 1.2088701	0.87	0.3	0 Fibroblas·GPNMB
FBN1	0 1.9570787	0.757	0.053	0 Fibroblas·FBN1
QSOX1	0 1.0328189	0.839	0.297	0 Fibroblas·QSOX1
DCN	0 5.3920398	0.978	0.199	0 Fibroblas·DCN
FOS	0 1.5491417	0.869	0.464	0 Fibroblas·FOS
LGALS1	0 3.6376676	0.999	0.319	0 Fibroblas·LGALS1
IGFBP7	0 2.1975243	0.974	0.4	0 Fibroblas·IGFBP7
VIM1	0 3.172578	0.997	0.216	0 Fibroblas·VIM
C1S	0 2.8582549	0.94	0.082	0 Fibroblas·C1S

SPARCL11	0	2.1867304	0.956	0.174	0	Fibroblas·SPARCL1
GNG111	0	1.3064716	0.839	0.111	0	Fibroblas·GNG11
COL6A2	0	3.473322	0.992	0.162	0	Fibroblas·COL6A2
SERPING1	0	2.2612009	0.914	0.15	0	Fibroblas·SERPING1
TUBA1A	0	2.07315	0.913	0.214	0	Fibroblas·TUBA1A
COL6A1	0	2.5863105	0.94	0.116	0	Fibroblas·COL6A1
SELM	0	1.8529339	0.973	0.262	0	Fibroblas·SELM
CLEC11A	0	1.9767204	0.882	0.113	0	Fibroblas·CLEC11A
PMP22	0	2.1147523	0.869	0.096	0	Fibroblas·PMP22
JUN	0	1.4157297	0.914	0.554	0	Fibroblas·JUN
EGR1	0	1.0248485	0.773	0.242	0	Fibroblas·EGR1
IFITM21	0	1.7451325	0.898	0.161	0	Fibroblas·IFITM2
MFGES	0	1.5463695	0.741	0.122	0	Fibroblas·MFGES
TNXB	0	1.6140629	0.745	0.047	0	Fibroblas·TNXB
IFITM31	0	2.4706339	0.998	0.567	0	Fibroblas·IFITM3
PRKCDBP	0	1.7345726	0.85	0.108	0	Fibroblas·PRKCDBP
FXDY1	0	1.7859575	0.868	0.055	0	Fibroblas·FXDY1
SEPP1	0	1.2651641	0.877	0.323	0	Fibroblas·SEPP1
AEBP1	0	1.476945	0.787	0.075	0	Fibroblas·AEBP1
AKAP12	0	1.2394203	0.739	0.153	0	Fibroblas·AKAP12
TIMP2	0	1.7350803	0.86	0.162	0	Fibroblas·TIMP2
PLPP1	0	1.4335226	0.874	0.276	0	Fibroblas·PLPP1
PTRF1	0	1.1592484	0.782	0.182	0	Fibroblas·PTRF
COL5A2	0	1.4642512	0.721	0.082	0	Fibroblas·COL5A2
FGFR1	0	1.1742718	0.679	0.118	0	Fibroblas·FGFR1
GYPC	0	1.3968434	0.76	0.123	0	Fibroblas·GYPC
PRSS23	0	1.4218756	0.742	0.226	0	Fibroblas·PRSS23
COX7A1	0	1.2210434	0.747	0.134	0	Fibroblas·COX7A1
RCN3	0	1.2432087	0.796	0.084	0	Fibroblas·RCN3
CYBRD1	0	1.420935	0.729	0.068	0	Fibroblas·CYBRD1
PPIC	0	1.9974764	0.913	0.289	0	Fibroblas·PPIC
FBLN5	0	1.0957273	0.648	0.04	0	Fibroblas·FBLN5
ECM1	0	1.1935911	0.771	0.027	0	Fibroblas·ECM1
SERPINH1	0	1.6668138	0.872	0.164	0	Fibroblas·SERPINH1
EFEMP2	0	1.2836762	0.785	0.086	0	Fibroblas·EFEMP2
FCGRT	0	1.5067195	0.907	0.259	0	Fibroblas·FCGRT
TSPAN4	0	1.224361	0.78	0.094	0	Fibroblas·TSPAN4
GPX8	0	1.1689807	0.726	0.081	0	Fibroblas·GPX8
GADD45B	1.79E-305	1.3372725	0.792	0.407	3.59E-302	Fibroblas·GADD45B
RGS16	2.70E-294	1.0969972	0.613	0.159	5.40E-291	Fibroblas·RGS16
C1QTNF3	8.52E-292	1.1195461	0.531	0.04	1.70E-288	Fibroblas·C1QTNF3
GEM	3.56E-280	1.3410398	0.614	0.119	7.13E-277	Fibroblas·GEM
PRELP	1.21E-269	1.1179181	0.574	0.081	2.41E-266	Fibroblas·PRELP
LINC01133	3.50E-236	1.0725482	0.538	0.08	7.00E-233	Fibroblas·LINC01133
DES	2.16E-234	-2.554137	0.725	0.305	4.33E-231	Fibroblas·DES
CYGB	1.05E-229	1.0550533	0.56	0.101	2.10E-226	Fibroblas·CYGB
CCL21	5.65E-224	1.6663389	0.65	0.197	1.13E-220	Fibroblas·CCL2
GPX3	1.15E-222	1.264973	0.557	0.049	2.30E-219	Fibroblas·GPX3
CXCL14	1.30E-222	2.9807283	0.523	0.064	2.60E-219	Fibroblas·CXCL14
TPPP3	4.22E-189	1.4074543	0.539	0.122	8.44E-186	Fibroblas·TPPP3
ACTG2	3.86E-179	-2.470269	0.741	0.318	7.71E-176	Fibroblas·ACTG2

JCHAIN	1.18E-154	-1.911375	0.579	0.173	2.35E-151	Fibroblas	JCHAIN
CEBPB	3.98E-154	1.0061601	0.727	0.416	7.97E-151	Fibroblas	CEBPB
HLA-DPB11	1.91E-128	-1.134222	0.565	0.155	3.82E-125	Fibroblas	HLA-DPB1
IGKC	2.13E-31	-4.774407	0.616	0.312	4.26E-28	Fibroblas	IGKC
HLA-DRB51	7.91E-20	-1.412061	0.636	0.323	1.58E-16	Fibroblas	HLA-DRB5
PTGDS1	0	-3.384456	0.098	0.66		0	Epithelia
PLA2G2A1	0	-3.488188	0.11	0.586		0	Epithelia
ACTG21	0	-3.822972	0.239	0.734		0	Epithelia
APOE1	0	-3.227118	0.146	0.636		0	Epithelia
HLA-DPB12	0	-2.121772	0.088	0.543		0	Epithelia
DES1	0	-3.490191	0.225	0.72		0	Epithelia
CCL111	0	-1.08245	0.103	0.594		0	Epithelia
SPINK1	0	3.01671	0.772	0.462		0	Epithelia
ACTA2	0	-3.14401	0.186	0.685		0	Epithelia
RGS161	0	-1.218725	0.106	0.553		0	Epithelia
PCP41	0	-2.426553	0.137	0.677		0	Epithelia
HLA-DPA11	0	-1.639108	0.068	0.615		0	Epithelia
PSCA	0	2.3866389	0.725	0.365		0	Epithelia
MYL9	0	-3.72894	0.257	0.824		0	Epithelia
TPM1	0	-3.352459	0.272	0.783		0	Epithelia
TPM2	0	-3.840053	0.26	0.848		0	Epithelia
TAGLN	0	-4.270883	0.274	0.687		0	Epithelia
IGHG11	0	-2.776929	0.148	0.549		0	Epithelia
APOD1	0	-1.730086	0.156	0.656		0	Epithelia
CCL22	0	-3.226986	0.124	0.623		0	Epithelia
MYLK1	0	-2.580644	0.157	0.671		0	Epithelia
RGS5	0	-1.205171	0.136	0.596		0	Epithelia
MYH111	0	-2.649355	0.179	0.705		0	Epithelia
CNN1	0	-2.145741	0.148	0.57		0	Epithelia
MT2A2	0	-2.991302	0.251	0.776		0	Epithelia
SFRP11	0	-2.547183	0.026	0.657		0	Epithelia
CHRD121	0	-1.009716	0.11	0.641		0	Epithelia
FXD31	0	2.6133945	0.988	0.598		0	Epithelia
IGHA11	0	-2.603336	0.102	0.508		0	Epithelia
MFAP51	0	-2.996083	0.051	0.575		0	Epithelia
TNFAIP61	0	-2.725821	0.089	0.611		0	Epithelia
SYNM	0	-1.156258	0.127	0.586		0	Epithelia
PCOLCE21	0	-1.877751	0.062	0.557		0	Epithelia
AGR22	0	2.5030248	0.967	0.562		0	Epithelia
RRAD	0	-1.07985	0.139	0.572		0	Epithelia
PI161	0	-2.215307	0.07	0.554		0	Epithelia
CTGF1	0	-1.693478	0.047	0.542		0	Epithelia
POSTN1	0	-1.065466	0.066	0.506		0	Epithelia
SERPINE21	0	-2.60262	0.116	0.657		0	Epithelia
SYNPO2	0	-1.417789	0.136	0.569		0	Epithelia
KRT72	0	2.209376	0.871	0.459		0	Epithelia
A2M2	0	-2.183523	0.168	0.83		0	Epithelia
SNCG	0	2.3895871	0.951	0.64		0	Epithelia
TACSTD2	0	2.4835243	0.977	0.61		0	Epithelia
CTHRC11	0	-1.397203	0.031	0.54		0	Epithelia
MEG31	0	-1.923306	0.04	0.631		0	Epithelia

CSRP1	0 -1.374185	0.183	0.639	0 Epithelia\CSRP1
SPINT21	0 1.7560154	0.873	0.544	0 Epithelia\SPINT2
IGFBP51	0 -2.917133	0.401	0.797	0 Epithelia\IGFBP5
IGFBP61	0 -3.224921	0.122	0.676	0 Epithelia\IGFBP6
IGHM1	0 -1.657247	0.114	0.547	0 Epithelia\IGHM
SFRP21	0 -4.129773	0.094	0.701	0 Epithelia\SFRP2
SRPX1	0 -1.234458	0.02	0.642	0 Epithelia\SRPX
RAMP1	0 -1.165665	0.106	0.712	0 Epithelia\RAMP1
TSTD11	0 1.3951099	0.714	0.28	0 Epithelia\TSTD1
C11orf961	0 -1.844539	0.423	0.803	0 Epithelia\C11orf96
PHLDA2	0 2.3560913	0.978	0.659	0 Epithelia\PHLDA2
LINC00152	0 -1.156249	0.154	0.625	0 Epithelia\LINC00152
SOWAHC1	0 1.2663477	0.643	0.314	0 Epithelia\SOWAHC
CILP1	0 -1.223645	0.03	0.513	0 Epithelia\CILP
MGP1	0 -5.832094	0.211	0.864	0 Epithelia\MGP
DPT1	0 -2.588117	0.035	0.613	0 Epithelia\DPT
BASP11	0 -1.395692	0.122	0.662	0 Epithelia\BASP1
CCDC801	0 -3.965446	0.074	0.699	0 Epithelia\CCDC80
FGF71	0 -1.13217	0.02	0.507	0 Epithelia\FGF7
RBP11	0 -1.55687	0.083	0.693	0 Epithelia\RBP1
CD2481	0 -1.253843	0.028	0.549	0 Epithelia\CD248
FN11	0 -2.458646	0.07	0.751	0 Epithelia\FN1
ADH1B1	0 -1.457214	0.049	0.57	0 Epithelia\ADH1B
TIMP31	0 -1.995188	0.259	0.72	0 Epithelia\TIMP3
VCAN1	0 -1.970235	0.037	0.657	0 Epithelia\VCAN
C71	0 -1.359678	0.031	0.599	0 Epithelia\C7
OGN1	0 -1.851862	0.031	0.603	0 Epithelia\OGN
BGN1	0 -1.795679	0.084	0.639	0 Epithelia\BGN
TMEM176B1	0 -1.382473	0.115	0.646	0 Epithelia\TMEM176B
EMP31	0 -2.509401	0.11	0.825	0 Epithelia\EMP3
COL6A31	0 -3.09384	0.095	0.795	0 Epithelia\COL6A3
IGF11	0 -1.956651	0.027	0.603	0 Epithelia\IGF1
TCF211	0 -1.295146	0.097	0.654	0 Epithelia\TCF21
CTSH	0 1.3364695	0.719	0.384	0 Epithelia\CTSH
C31	0 -1.57942	0.08	0.563	0 Epithelia\C3
MMP23B1	0 -1.466903	0.083	0.655	0 Epithelia\MMP23B
MATN21	0 -1.349591	0.069	0.639	0 Epithelia\MATN2
EFEMP11	0 -2.584758	0.049	0.649	0 Epithelia\EFEMP1
CAV11	0 -1.902257	0.137	0.662	0 Epithelia\CAV1
ABI3BP1	0 -1.242873	0.03	0.532	0 Epithelia\ABI3BP
HTRA11	0 -1.586875	0.056	0.692	0 Epithelia\HTRA1
ITM2A1	0 -2.176619	0.086	0.68	0 Epithelia\ITM2A
COL1A11	0 -4.654939	0.113	0.793	0 Epithelia\COL1A1
THY11	0 -2.439101	0.085	0.677	0 Epithelia\THY1
RARRES21	0 -2.289522	0.079	0.702	0 Epithelia\RARRES2
TMEM176A1	0 -1.071057	0.022	0.539	0 Epithelia\TMEM176A
TXNDC17	0 1.5922032	0.875	0.509	0 Epithelia\TXNDC17
SERPINF11	0 -3.360431	0.076	0.726	0 Epithelia\SERPINF1
LUM1	0 -5.520532	0.188	0.764	0 Epithelia\LUM
CTSK1	0 -1.880768	0.035	0.662	0 Epithelia\CTSK
SPON21	0 -2.021446	0.057	0.676	0 Epithelia\SPON2



PLPP31	0 -1. 356192	0. 106	0. 653	0 Epithelia\PLPP3
FBLN21	0 -1. 378947	0. 032	0. 578	0 Epithelia\FBLN2
MFAP41	0 -2. 589537	0. 068	0. 685	0 Epithelia\MFAP4
NNMT2	0 -1. 969264	0. 061	0. 715	0 Epithelia\NNMT
ELN1	0 -1. 496241	0. 029	0. 602	0 Epithelia\ELN
C1R1	0 -3. 002423	0. 084	0. 761	0 Epithelia\C1R
CALD11	0 -3. 860477	0. 152	0. 922	0 Epithelia\CALD1
COL14A11	0 -1. 828175	0. 02	0. 665	0 Epithelia\COL14A1
GSN1	0 -4. 000793	0. 262	0. 883	0 Epithelia\GSN
FSTL11	0 -2. 442109	0. 098	0. 748	0 Epithelia\FSTL1
PLAC91	0 -3. 519841	0. 055	0. 74	0 Epithelia\PLAC9
VAMP81	0 1. 4456252	0. 756	0. 359	0 Epithelia\VAMP8
PLTP1	0 -1. 55649	0. 058	0. 681	0 Epithelia\PLTP
SOD31	0 -2. 913984	0. 059	0. 779	0 Epithelia\SOD3
IGFBP41	0 -2. 961041	0. 247	0. 838	0 Epithelia\IGFBP4
HSPB61	0 -1. 88706	0. 087	0. 724	0 Epithelia\HSPB6
FBLN11	0 -3. 886262	0. 336	0. 752	0 Epithelia\FBLN1
COL3A11	0 -4. 442375	0. 115	0. 839	0 Epithelia\COL3A1
PCOLCE1	0 -2. 713931	0. 053	0. 679	0 Epithelia\PCOLCE
PTN1	0 -1. 702959	0. 101	0. 661	0 Epithelia\PTN
MMP21	0 -2. 83592	0. 148	0. 717	0 Epithelia\MMP2
SPARC1	0 -4. 050659	0. 102	0. 86	0 Epithelia\SPARC
COL5A11	0 -1. 170636	0. 023	0. 522	0 Epithelia\COL5A1
OLFML31	0 -1. 450236	0. 061	0. 693	0 Epithelia\OLFML3
NUPR11	0 -2. 306214	0. 16	0. 831	0 Epithelia\NUPR1
GEM1	0 -1. 345052	0. 067	0. 537	0 Epithelia\GEM
COL1A21	0 -4. 510668	0. 126	0. 835	0 Epithelia\COL1A2
CFH1	0 -1. 377805	0. 318	0. 693	0 Epithelia\CFH
SDC21	0 -1. 516264	0. 08	0. 645	0 Epithelia\SDC2
CXCL121	0 -1. 208847	0. 026	0. 613	0 Epithelia\CXCL12
CYSTM1	0 1. 8635313	0. 973	0. 663	0 Epithelia\CYSTM1
GADD45B1	0 -1. 672451	0. 347	0. 765	0 Epithelia\GADD45B
FBN11	0 -1. 687724	0. 029	0. 569	0 Epithelia\FBN1
DCN1	0 -5. 476808	0. 162	0. 787	0 Epithelia\DCN
FOS1	0 -1. 511006	0. 428	0. 796	0 Epithelia\FOS
LGALS11	0 -4. 991387	0. 215	0. 95	0 Epithelia\LGALS1
IGFBP72	0 -3. 560515	0. 322	0. 914	0 Epithelia\IGFBP7
VIM2	0 -4. 18817	0. 107	0. 923	0 Epithelia\VIM
C1S1	0 -2. 624027	0. 043	0. 726	0 Epithelia\C1S
SPARCL12	0 -3. 191911	0. 073	0. 868	0 Epithelia\SPARCL1
GNG112	0 -1. 853198	0. 035	0. 727	0 Epithelia\GNG11
COL6A21	0 -3. 627504	0. 089	0. 843	0 Epithelia\COL6A2
SERPING11	0 -2. 115354	0. 088	0. 768	0 Epithelia\SERPING1
TUBA1A1	0 -2. 435328	0. 131	0. 822	0 Epithelia\TUBA1A
COL6A11	0 -2. 522518	0. 058	0. 767	0 Epithelia\COL6A1
SELM1	0 -2. 778871	0. 169	0. 895	0 Epithelia\SELM
CLEC11A1	0 -1. 646516	0. 078	0. 689	0 Epithelia\CLEC11A
PMP221	0 -1. 975098	0. 035	0. 718	0 Epithelia\PMP22
1-Jun	0 -1. 402587	0. 532	0. 833	0 Epithelia\JUN
EGR11	0 -1. 279118	0. 191	0. 684	0 Epithelia\EGR1
IFITM22	0 -1. 960427	0. 107	0. 749	0 Epithelia\IFITM2

KLF21	0	-1.091949	0.128	0.555	0	Epithelia	KLF2
MFGES1	0	-1.47662	0.086	0.6	0	Epithelia	MFGES
TNXB1	0	-1.349061	0.025	0.556	0	Epithelia	TNXB
IFITM3	0	-2.830348	0.517	0.94	0	Epithelia	IFITM3
CTSL	0	-1.00704	0.19	0.714	0	Epithelia	CTSL
PRKCDBP1	0	-1.792141	0.052	0.702	0	Epithelia	PRKCDBP
FXYD11	0	-1.5483	0.032	0.643	0	Epithelia	FXYD1
COL4A2	0	-1.307657	0.105	0.629	0	Epithelia	COL4A2
SEPP1	0	-1.088773	0.329	0.688	0	Epithelia	SEPP1
AEBP1	0	-1.374563	0.032	0.626	0	Epithelia	AEBP1
AKAP121	0	-1.433725	0.083	0.664	0	Epithelia	AKAP12
TIMP21	0	-1.831336	0.095	0.742	0	Epithelia	TIMP2
PLPP1	0	-1.182296	0.258	0.711	0	Epithelia	PLPP1
PTRF2	0	-1.71294	0.1	0.721	0	Epithelia	PTRF
COL5A21	0	-1.311166	0.052	0.564	0	Epithelia	COL5A2
FGFR11	0	-1.114224	0.065	0.585	0	Epithelia	FGFR1
GYP1	0	-1.435936	0.061	0.656	0	Epithelia	GYP1
PRSS231	0	-1.573043	0.172	0.663	0	Epithelia	PRSS23
COX7A11	0	-1.6509	0.058	0.673	0	Epithelia	COX7A1
CYBRD11	0	-1.241132	0.033	0.573	0	Epithelia	CYBRD1
PPIC1	0	-1.90453	0.239	0.794	0	Epithelia	PPIC
PKIG	0	-1.006462	0.132	0.631	0	Epithelia	PKIG
SERPINH11	0	-1.467905	0.124	0.709	0	Epithelia	SERPINH1
EFEMP21	0	-1.109954	0.043	0.63	0	Epithelia	EFEMP2
FCGRT1	0	-1.454033	0.219	0.762	0	Epithelia	FCGRT
TSPAN41	0	-1.141079	0.053	0.625	0	Epithelia	TSPAN4
ACTC1	1.53E-302	-1.522205	0.136	0.548	3.06E-299	Epithelia	ACTC1
CYR611	2.34E-284	-1.406717	0.099	0.541	4.69E-281	Epithelia	CYR61
CLIC4	7.95E-284	-1.044283	0.098	0.545	1.59E-280	Epithelia	CLIC4
MAP1B	3.69E-281	-1.053143	0.128	0.55	7.37E-278	Epithelia	MAP1B
BDKRB11	3.99E-278	-1.228715	0.108	0.5	7.98E-275	Epithelia	BDKRB1
SPRY11	5.90E-271	-1.100414	0.113	0.523	1.18E-267	Epithelia	SPRY1
COL4A1	5.46E-245	-1.140175	0.103	0.528	1.09E-241	Epithelia	COL4A1
PALLD	7.14E-244	-1.321478	0.153	0.567	1.43E-240	Epithelia	PALLD
PLAT1	2.72E-243	-1.07885	0.219	0.589	5.44E-240	Epithelia	PLAT
JCHAIN1	3.91E-230	-2.70234	0.136	0.507	7.82E-227	Epithelia	JCHAIN
FHL1	4.32E-218	-1.224551	0.049	0.501	8.64E-215	Epithelia	FHL1
PDLIM7	4.73E-198	-1.036312	0.139	0.539	9.45E-195	Epithelia	PDLIM7
CRYAB	1.45E-194	-1.190452	0.083	0.5	2.89E-191	Epithelia	CRYAB
FLNA	4.71E-192	-1.703683	0.174	0.568	9.42E-189	Epithelia	FLNA
HLA-DRB52	1.35E-138	-1.028754	0.276	0.612	2.71E-135	Epithelia	HLA-DRB5
DERL3	9.02E-103	2.1014336	0.864	0.139	1.80E-99	B_cells	DERL3
MZB1	2.03E-94	3.805643	1	0.263	4.06E-91	B_cells	MZB1
IGKV1-12	3.73E-92	4.0436898	0.795	0.138	7.45E-89	B_cells	IGKV1-12
JCHAIN2	9.68E-84	8.2976138	1	0.273	1.94E-80	B_cells	JCHAIN
IGKC1	1.13E-55	11.146061	0.932	0.387	2.25E-52	B_cells	IGKC
SRGN	1.61E-44	2.1370931	0.852	0.192	3.23E-41	B_cells	SRGN
CD79A	4.34E-44	2.1368271	0.727	0.12	8.67E-41	B_cells	CD79A
SEC11C	2.26E-41	1.8524031	0.852	0.287	4.53E-38	B_cells	SEC11C
IGKV3-15	4.40E-40	1.725619	0.716	0.262	8.79E-37	B_cells	IGKV3-15
ADIRF	4.08E-38	-3.178994	0.477	0.944	8.16E-35	B_cells	ADIRF

CYTIP	7.79E-37	1.0214472	0.636	0.153	1.56E-33	B_cells	CYTIP
IGHM2	1.94E-34	6.9972857	0.693	0.277	3.88E-31	B_cells	IGHM
PPDPF	3.39E-34	-1.924269	0.489	0.93	6.78E-31	B_cells	PPDPF
CD9	6.27E-34	-2.088227	0.511	0.948	1.25E-30	B_cells	CD9
CD27	9.00E-34	1.0122751	0.557	0.072	1.80E-30	B_cells	CD27
IGHG12	4.77E-33	8.2900865	0.705	0.298	9.54E-30	B_cells	IGHG1
IGHG4	1.86E-30	8.5941292	0.67	0.25	3.72E-27	B_cells	IGHG4
MGST11	2.96E-30	-2.134562	0.443	0.844	5.91E-27	B_cells	MGST1
DNAAF1	3.56E-29	1.4170049	0.534	0.123	7.11E-26	B_cells	DNAAF1
SOD2	9.38E-29	-2.26139	0.477	0.862	1.88E-25	B_cells	SOD2
LINC00152	1.11E-28	1.4648201	0.83	0.33	2.23E-25	B_cells	LINC00152
IER3	3.83E-28	-2.220049	0.466	0.862	7.66E-25	B_cells	IER3
PKM	5.79E-28	-1.638476	0.455	0.887	1.16E-24	B_cells	PKM
C9orf16	6.84E-26	-1.670593	0.557	0.893	1.37E-22	B_cells	C9orf16
LDHB	1.85E-24	-1.286564	0.409	0.888	3.70E-21	B_cells	LDHB
CYB5A	2.69E-24	-1.724328	0.409	0.804	5.39E-21	B_cells	CYB5A
SNCG1	3.62E-24	-2.578677	0.42	0.835	7.24E-21	B_cells	SNCG
KRT191	8.60E-24	-2.945209	0.58	0.892	1.72E-20	B_cells	KRT19
AGR23	2.60E-23	-2.399277	0.364	0.816	5.20E-20	B_cells	AGR2
FABP5	4.15E-23	-2.864732	0.534	0.899	8.29E-20	B_cells	FABP5
TACSTD21	4.31E-23	-2.323951	0.409	0.84	8.62E-20	B_cells	TACSTD2
KRT81	7.50E-23	-2.027362	0.375	0.824	1.50E-19	B_cells	KRT8
PHLDA21	8.83E-23	-2.223649	0.477	0.859	1.77E-19	B_cells	PHLDA2
KRT131	4.08E-22	-2.910372	0.511	0.862	8.16E-19	B_cells	KRT13
TXNDC171	5.99E-22	-1.707723	0.239	0.739	1.20E-18	B_cells	TXNDC17
HIST1H1C	1.12E-21	1.3348897	0.705	0.346	2.24E-18	B_cells	HIST1H1C
FXYD32	1.62E-21	-2.430501	0.511	0.841	3.24E-18	B_cells	FXYD3
IGFBP2	2.01E-21	-1.929687	0.398	0.791	4.02E-18	B_cells	IGFBP2
AKR1C21	2.74E-21	-1.913544	0.455	0.799	5.48E-18	B_cells	AKR1C2
KRT181	5.31E-21	-2.024873	0.42	0.809	1.06E-17	B_cells	KRT18
PERP	1.65E-20	-1.696926	0.432	0.8	3.30E-17	B_cells	PERP
IGHA12	2.20E-20	8.0838336	0.614	0.255	4.41E-17	B_cells	IGHA1
SPINT22	3.88E-20	-1.532851	0.295	0.751	7.76E-17	B_cells	SPINT2
C19orf331	4.67E-20	-1.796673	0.386	0.783	9.35E-17	B_cells	C19orf33
GPRC5A1	7.56E-20	-1.729398	0.432	0.762	1.51E-16	B_cells	GPRC5A
SFN1	1.17E-19	-2.488299	0.477	0.82	2.34E-16	B_cells	SFN
MDK	4.51E-19	-1.533782	0.307	0.674	9.02E-16	B_cells	MDK
LY6D1	6.36E-19	-2.892074	0.523	0.834	1.27E-15	B_cells	LY6D
MGST2	7.15E-19	-1.503632	0.375	0.74	1.43E-15	B_cells	MGST2
PHLDA1	7.95E-19	-1.834884	0.443	0.782	1.59E-15	B_cells	PHLDA1
ENO1	1.13E-18	-1.16895	0.341	0.757	2.26E-15	B_cells	ENO1
KLF51	4.80E-18	-1.780056	0.398	0.761	9.60E-15	B_cells	KLF5
EMP1	5.32E-18	-1.663556	0.33	0.671	1.06E-14	B_cells	EMP1
HEBP2	7.51E-18	-1.1719	0.307	0.739	1.50E-14	B_cells	HEBP2
GPX21	1.04E-17	-2.00341	0.466	0.809	2.08E-14	B_cells	GPX2
SMIM221	9.88E-16	-1.693365	0.386	0.73	1.98E-12	B_cells	SMIM22
ETS2	1.97E-15	-1.33626	0.375	0.696	3.94E-12	B_cells	ETS2
FAM162A	2.04E-15	-1.084198	0.386	0.734	4.07E-12	B_cells	FAM162A
SERPINB51	3.38E-15	-1.457574	0.386	0.724	6.77E-12	B_cells	SERPINB5
LRRFIP1	1.18E-14	-1.258676	0.33	0.725	2.35E-11	B_cells	LRRFIP1
IGFBP73	1.19E-14	-2.606519	0.205	0.551	2.39E-11	B_cells	IGFBP7

MAST4	2. 61E-14	-1. 320732	0. 284	0. 653	5. 22E-11	B_cells	MAST4
TSC22D1	1. 09E-13	-1. 296151	0. 261	0. 64	2. 18E-10	B_cells	TSC22D1
TIMP11	2. 09E-12	-2. 471624	0. 455	0. 758	4. 18E-09	B_cells	TIMP1
LGALS12	0. 0603353	-1. 861244	0. 83	0. 493	1	B_cells	LGALS1
PTPRC	6. 33E-149	1. 6842981	0. 727	0. 102	1. 27E-145	T_cells	PTPRC
SRGN1	4. 95E-137	1. 7653709	0. 909	0. 183	9. 91E-134	T_cells	SRGN
CD7	1. 41E-113	1. 4989636	0. 711	0. 17	2. 82E-110	T_cells	CD7
CCL5	1. 10E-109	3. 3364297	0. 74	0. 107	2. 20E-106	T_cells	CCL5
CD52	1. 55E-106	1. 8667379	0. 723	0. 115	3. 10E-103	T_cells	CD52
CD3D	4. 39E-106	1. 8417475	0. 64	0. 05	8. 78E-103	T_cells	CD3D
TRBC1	2. 76E-97	1. 6034135	0. 624	0. 107	5. 52E-94	T_cells	TRBC1
CXCR4	5. 18E-93	1. 7741436	0. 669	0. 107	1. 04E-89	T_cells	CXCR4
HCST	5. 66E-86	1. 7988911	0. 599	0. 078	1. 13E-82	T_cells	HCST
CD2	8. 33E-83	1. 5778222	0. 607	0. 146	1. 67E-79	T_cells	CD2
CD69	8. 19E-79	1. 3522142	0. 591	0. 114	1. 64E-75	T_cells	CD69
CD3E	1. 43E-74	1. 1688134	0. 583	0. 12	2. 85E-71	T_cells	CD3E
TRBC2	1. 87E-68	1. 5633328	0. 579	0. 06	3. 74E-65	T_cells	TRBC2
TRAC	5. 81E-67	1. 5756673	0. 603	0. 12	1. 16E-63	T_cells	TRAC
AC092580. 4	1. 28E-66	1. 3765119	0. 57	0. 079	2. 55E-63	T_cells	AC092580. 4
CREM	2. 22E-66	1. 3852195	0. 888	0. 452	4. 45E-63	T_cells	CREM
COR01A	2. 20E-63	1. 413063	0. 55	0. 102	4. 41E-60	T_cells	COR01A
IL32	4. 26E-63	2. 4133781	0. 702	0. 282	8. 53E-60	T_cells	IL32
RGS1	6. 89E-62	1. 3857141	0. 591	0. 091	1. 38E-58	T_cells	RGS1
IL2RG	2. 31E-61	1. 0670785	0. 554	0. 122	4. 62E-58	T_cells	IL2RG
CST7	2. 16E-54	1. 1650933	0. 525	0. 058	4. 32E-51	T_cells	CST7
NKG7	2. 63E-50	1. 9561448	0. 562	0. 149	5. 26E-47	T_cells	NKG7
ALOX5AP	1. 56E-48	1. 028269	0. 558	0. 111	3. 11E-45	T_cells	ALOX5AP
ARHGDIB	3. 19E-44	1. 2885209	0. 789	0. 452	6. 38E-41	T_cells	ARHGDIB
IL7R	7. 29E-31	1. 2046833	0. 517	0. 158	1. 46E-27	T_cells	IL7R
SDS	0	2. 2137675	0. 869	0. 153	0	Monocyte_c	SDS
MMP9	0	1. 2712564	0. 81	0. 045	0	Monocyte_c	MMP9
SRGN2	3. 83E-292	4. 5100366	0. 997	0. 175	7. 65E-289	Monocyte_c	SRGN
LYZ	3. 20E-279	4. 652962	0. 929	0. 063	6. 40E-276	Monocyte_c	LYZ
TYROBP	6. 71E-279	4. 0061224	0. 935	0. 048	1. 34E-275	Monocyte_c	TYROBP
FCER1G	4. 74E-269	3. 159808	0. 912	0. 038	9. 48E-266	Monocyte_c	FCER1G
AIF1	1. 67E-267	2. 8283883	0. 912	0. 078	3. 34E-264	Monocyte_c	AIF1
C1QC	1. 60E-266	2. 3738594	0. 81	0. 016	3. 21E-263	Monocyte_c	C1QC
C1QB	2. 11E-263	3. 110663	0. 83	0. 015	4. 22E-260	Monocyte_c	C1QB
CCR7	9. 45E-263	1. 5429371	0. 812	0. 059	1. 89E-259	Monocyte_c	CCR7
HLA-DQA11	5. 58E-259	4. 037803	0. 938	0. 129	1. 12E-255	Monocyte_c	HLA-DQA1
HLA-DPB13	5. 74E-258	5. 0539742	0. 972	0. 242	1. 15E-254	Monocyte_c	HLA-DPB1
CST71	9. 89E-254	1. 5948887	0. 818	0. 047	1. 98E-250	Monocyte_c	CST7
HLA-DPA12	3. 41E-251	4. 3809692	0. 952	0. 259	6. 82E-248	Monocyte_c	HLA-DPA1
FCER1A	1. 47E-248	1. 2902683	0. 608	0. 002	2. 94E-245	Monocyte_c	FCER1A
HLA-DRA1	2. 29E-246	4. 9992694	0. 994	0. 281	4. 57E-243	Monocyte_c	HLA-DRA
C1QA	5. 95E-243	3. 3489484	0. 844	0. 024	1. 19E-239	Monocyte_c	C1QA
C15orf48	7. 24E-241	3. 5043465	0. 929	0. 156	1. 45E-237	Monocyte_c	C15orf48
GPR183	2. 19E-239	3. 4339396	0. 892	0. 064	4. 38E-236	Monocyte_c	GPR183
HLA-DRB53	1. 48E-229	3. 4692385	0. 994	0. 389	2. 96E-226	Monocyte_c	HLA-DRB5
HLA-DQB11	4. 85E-228	4. 2346477	0. 943	0. 215	9. 69E-225	Monocyte_c	HLA-DQB1
HLA-DRB11	1. 37E-222	3. 944887	0. 98	0. 323	2. 73E-219	Monocyte_c	HLA-DRB1

CLEC10A	3. 24E-218	1. 4879792	0. 699	0. 012	6. 49E-215	Monocyte_	CLEC10A
VM01	3. 14E-215	1. 7824465	0. 824	0. 151	6. 27E-212	Monocyte_	VM01
DNASE1L3	1. 21E-211	1. 494473	0. 784	0. 153	2. 41E-208	Monocyte_	DNASE1L3
CD741	1. 66E-196	4. 1576292	1	0. 6	3. 32E-193	Monocyte_	CD74
LST1	1. 02E-189	2. 5588406	0. 838	0. 045	2. 03E-186	Monocyte_	LST1
HLA-DMA1	2. 82E-186	2. 1988294	0. 898	0. 223	5. 63E-183	Monocyte_	HLA-DMA
MS4A6A	2. 58E-171	1. 9947493	0. 787	0. 04	5. 16E-168	Monocyte_	MS4A6A
OLR1	1. 11E-162	1. 4273274	0. 759	0. 147	2. 21E-159	Monocyte_	OLR1
EREG	1. 03E-146	3. 0818487	0. 747	0. 032	2. 05E-143	Monocyte_	EREG
HLA-DMB	2. 88E-145	1. 3251034	0. 713	0. 047	5. 77E-142	Monocyte_	HLA-DMB
CREM1	1. 88E-140	2. 3624535	0. 963	0. 447	3. 76E-137	Monocyte_	CREM
MMP19	3. 51E-138	1. 0649613	0. 73	0. 099	7. 02E-135	Monocyte_	MMP19
MS4A7	2. 18E-128	1. 6327493	0. 676	0. 026	4. 37E-125	Monocyte_	MS4A7
GOS2	1. 83E-126	3. 0511177	0. 906	0. 385	3. 67E-123	Monocyte_	GOS2
LAPTM5	2. 62E-125	1. 7649771	0. 747	0. 043	5. 23E-122	Monocyte_	LAPTM5
SERPINB9	4. 83E-117	1. 9597853	0. 756	0. 18	9. 66E-114	Monocyte_	SERPINB9
CD83	4. 36E-115	1. 7219033	0. 747	0. 206	8. 73E-112	Monocyte_	CD83
SPP1	2. 21E-114	1. 7012299	0. 648	0. 13	4. 42E-111	Monocyte_	SPP1
SAMSN1	6. 04E-108	1. 7423411	0. 705	0. 046	1. 21E-104	Monocyte_	SAMSN1
EMP32	6. 91E-104	1. 3634824	0. 929	0. 369	1. 38E-100	Monocyte_	EMP3
CSF2RA	6. 88E-96	1. 2141063	0. 668	0. 098	1. 38E-92	Monocyte_	CSF2RA
RGS2	7. 51E-93	1. 7965775	0. 747	0. 169	1. 50E-89	Monocyte_	RGS2
PLEK	2. 54E-91	1. 4631046	0. 651	0. 014	5. 09E-88	Monocyte_	PLEK
BASP12	5. 39E-91	1. 2221352	0. 841	0. 315	1. 08E-87	Monocyte_	BASP1
C5AR1	7. 93E-91	1. 0367089	0. 642	0. 08	1. 59E-87	Monocyte_	C5AR1
PLAUR	2. 92E-83	1. 4989995	0. 912	0. 532	5. 83E-80	Monocyte_	PLAUR
CXCL16	1. 74E-82	1. 2365426	0. 824	0. 37	3. 48E-79	Monocyte_	CXCL16
RP11-1143G9.4	9. 01E-82	1. 3538665	0. 631	0. 065	1. 80E-78	Monocyte_	RP11-1143G9.4
CXCL3	3. 82E-81	2. 5403488	0. 767	0. 322	7. 65E-78	Monocyte_	CXCL3
HCST1	2. 30E-80	1. 3459015	0. 676	0. 072	4. 60E-77	Monocyte_	HCST
BCL2A1	3. 05E-80	1. 9273884	0. 656	0. 053	6. 11E-77	Monocyte_	BCL2A1
JCHAIN3	4. 72E-78	-1. 622427	0. 716	0. 266	9. 45E-75	Monocyte_	JCHAIN
CLEC7A	1. 10E-73	1. 1477624	0. 594	0. 055	2. 21E-70	Monocyte_	CLEC7A
CTSL1	1. 31E-71	1. 3059362	0. 861	0. 378	2. 62E-68	Monocyte_	CTSL
IL1B	7. 29E-71	2. 2578719	0. 705	0. 213	1. 46E-67	Monocyte_	IL1B
IGSF6	1. 13E-69	1. 1339799	0. 597	0. 079	2. 27E-66	Monocyte_	IGSF6
IGHG41	3. 75E-68	-2. 019854	0. 707	0. 241	7. 50E-65	Monocyte_	IGHG4
PCP42	5. 56E-68	-1. 338077	0. 747	0. 332	1. 11E-64	Monocyte_	PCP4
INSIG11	6. 99E-68	1. 3808992	0. 821	0. 376	1. 40E-64	Monocyte_	INSIG1
CTSS	1. 22E-67	1. 4882786	0. 815	0. 475	2. 44E-64	Monocyte_	CTSS
LGALS2	5. 75E-67	1. 3927004	0. 565	0. 01	1. 15E-63	Monocyte_	LGALS2
CXCL21	1. 93E-65	1. 2519588	0. 864	0. 451	3. 85E-62	Monocyte_	CXCL2
RGS11	5. 69E-59	1. 7696007	0. 619	0. 086	1. 14E-55	Monocyte_	RGS1
ITGB2	8. 60E-57	1. 0118585	0. 602	0. 075	1. 72E-53	Monocyte_	ITGB2
ID2	2. 82E-56	1. 5001083	0. 767	0. 364	5. 63E-53	Monocyte_	ID2
CPVL	3. 22E-56	1. 5478216	0. 67	0. 224	6. 45E-53	Monocyte_	CPVL
IGHA13	3. 02E-54	-1. 588084	0. 67	0. 246	6. 03E-51	Monocyte_	IGHA1
IGKC2	3. 50E-51	-3. 981527	0. 781	0. 381	6. 99E-48	Monocyte_	IGKC
FGL2	4. 90E-47	1. 0285583	0. 693	0. 296	9. 80E-44	Monocyte_	FGL2
FCN1	4. 60E-45	1. 1764397	0. 514	0. 022	9. 19E-42	Monocyte_	FCN1
SPI1	1. 47E-38	1. 1375962	0. 543	0. 022	2. 94E-35	Monocyte_	SPI1

CCL3	9.14E-36	2.486751	0.528	0.057	1.83E-32	Monocyte_c	CCL3
IGHG13	1.14E-34	-1.823251	0.636	0.292	2.27E-31	Monocyte_c	IGHG1
CXCR41	1.62E-32	1.12075	0.554	0.106	3.25E-29	Monocyte_c	CXCR4
MYH112	2.11E-27	-1.627176	0.73	0.37	4.21E-24	Monocyte_c	MYH11
FAM26F	3.19E-26	1.0913656	0.543	0.147	6.37E-23	Monocyte_c	FAM26F
JAML	6.83E-23	1.0176488	0.506	0.05	1.37E-19	Monocyte_c	JAML
RNASE6	4.99E-22	1.1854835	0.52	0.075	9.98E-19	Monocyte_c	RNASE6
RGS10	2.89E-19	1.0042753	0.599	0.265	5.78E-16	Monocyte_c	RGS10
ACTG22	3.63E-17	-2.651627	0.764	0.419	7.26E-14	Monocyte_c	ACTG2
DES2	1.32E-16	-2.413718	0.75	0.405	2.63E-13	Monocyte_c	DES
CNN11	5.28E-16	-1.182671	0.622	0.301	1.06E-12	Monocyte_c	CNN1
ACTA21	1.38E-15	-1.825293	0.73	0.367	2.76E-12	Monocyte_c	ACTA2
ALOX5AP1	4.75E-15	1.3033542	0.5	0.109	9.49E-12	Monocyte_c	ALOX5AP
APOC1	1.12E-14	1.4983441	0.554	0.238	2.24E-11	Monocyte_c	APOC1
ACTG23	0	6.6097999	1	0.4	0	Smooth_mu:	ACTG2
DES3	0	6.3908863	1	0.386	0	Smooth_mu:	DES
ACTA22	0	4.9034472	1	0.346	0	Smooth_mu:	ACTA2
PCP43	0	5.200022	0.981	0.313	0	Smooth_mu:	PCP4
ACTC11	0	4.042585	0.864	0.266	0	Smooth_mu:	ACTC1
MYL91	0	5.490399	1	0.448	0	Smooth_mu:	MYL9
TPM11	0	5.2370574	1	0.442	0	Smooth_mu:	TPM1
TPM21	0	5.7737995	1	0.46	0	Smooth_mu:	TPM2
TAGLN1	0	5.9120234	1	0.405	0	Smooth_mu:	TAGLN
MYLK2	0	5.1173276	1	0.322	0	Smooth_mu:	MYLK
MYH113	0	5.196913	1	0.35	0	Smooth_mu:	MYH11
CNN12	0	4.6390379	0.997	0.276	0	Smooth_mu:	CNN1
PPP1R14A	0	4.2086205	0.984	0.219	0	Smooth_mu:	PPP1R14A
SYNM1	0	3.4370616	0.932	0.272	0	Smooth_mu:	SYNM
SMTN	0	3.2627129	0.898	0.227	0	Smooth_mu:	SMTN
SYNP021	0	3.6701761	0.958	0.27	0	Smooth_mu:	SYNP02
CSRP11	0	3.4967428	0.969	0.328	0	Smooth_mu:	CSRP1
RAMP11	0	2.584655	0.856	0.313	0	Smooth_mu:	RAMP1
PALLD1	0	2.9363263	0.942	0.281	0	Smooth_mu:	PALLD
FN12	0	2.5473464	0.919	0.301	0	Smooth_mu:	FN1
SORBS1	0	2.4310925	0.788	0.201	0	Smooth_mu:	SORBS1
FHL11	0	2.3002403	0.819	0.193	0	Smooth_mu:	FHL1
FLNA1	0	3.7408624	0.974	0.293	0	Smooth_mu:	FLNA
CKB	0	2.601891	0.945	0.476	0	Smooth_mu:	CKB
CALD12	0	3.4511065	1	0.419	0	Smooth_mu:	CALD1
LPP	0	3.1801937	0.974	0.414	0	Smooth_mu:	LPP
SVIL	0	2.4056324	0.864	0.297	0	Smooth_mu:	SVIL
SELM2	0	2.3552784	0.977	0.42	0	Smooth_mu:	SELM
TNS1	2.00E-294	2.2393472	0.782	0.217	3.99E-291	Smooth_mu:	TNS1
CAV12	2.67E-294	2.1267775	0.895	0.311	5.33E-291	Smooth_mu:	CAV1
PDLIM71	1.41E-293	2.2549533	0.822	0.266	2.83E-290	Smooth_mu:	PDLIM7
HSPB62	3.80E-288	2.2747748	0.868	0.304	7.60E-285	Smooth_mu:	HSPB6
PPP1R12B	8.43E-286	2.1721348	0.763	0.185	1.69E-282	Smooth_mu:	PPP1R12B
PKIG1	1.40E-272	2.2877365	0.808	0.299	2.79E-269	Smooth_mu:	PKIG
PDLIM3	1.40E-248	2.0282849	0.729	0.198	2.80E-245	Smooth_mu:	PDLIM3
SORBS2	4.05E-239	2.3009825	0.724	0.249	8.10E-236	Smooth_mu:	SORBS2
CRYAB1	3.33E-231	2.071205	0.724	0.219	6.65E-228	Smooth_mu:	CRYAB

RGS51	1. 30E-227	2. 7845489	0. 729	0. 291	2. 59E-224	Smooth_mu:RGS5
MAP1B1	4. 49E-223	1. 9572404	0. 737	0. 268	8. 98E-220	Smooth_mu:MAP1B
LMOD1	3. 23E-222	1. 9839639	0. 664	0. 197	6. 47E-219	Smooth_mu:LMOD1
CLIC41	2. 28E-219	1. 9954825	0. 714	0. 248	4. 56E-216	Smooth_mu:CLIC4
FILIP1	7. 50E-215	2. 0031188	0. 635	0. 17	1. 50E-211	Smooth_mu:FILIP1
FLNC	3. 49E-208	1. 9977894	0. 63	0. 171	6. 99E-205	Smooth_mu:FLNC
PTRF3	8. 22E-207	1. 8196126	0. 782	0. 316	1. 64E-203	Smooth_mu:PTRF
PLN	3. 26E-201	2. 147012	0. 654	0. 248	6. 52E-198	Smooth_mu:PLN
COL4A21	1. 95E-199	1. 9357733	0. 721	0. 285	3. 91E-196	Smooth_mu:COL4A2
HOPX	4. 32E-199	2. 1392364	0. 612	0. 168	8. 63E-196	Smooth_mu:HOPX
COX7A12	4. 80E-198	1. 7736964	0. 74	0. 271	9. 59E-195	Smooth_mu:COX7A1
NUPR12	9. 07E-187	1. 5626341	0. 866	0. 395	1. 81E-183	Smooth_mu:NUPR1
COL4A11	1. 85E-186	1. 992503	0. 669	0. 246	3. 70E-183	Smooth_mu:COL4A1
IGFBP74	7. 20E-184	1. 4543433	0. 971	0. 528	1. 44E-180	Smooth_mu:IGFBP7
ADIRF1	1. 02E-168	-1. 988945	0. 515	0. 962	2. 05E-165	Smooth_mu:ADIRF
ITGA5	4. 12E-167	1. 6339506	0. 559	0. 157	8. 24E-164	Smooth_mu:ITGA5
AQP31	1. 92E-164	-2. 064272	0. 37	0. 922	3. 84E-161	Smooth_mu:AQP3
KRT192	6. 29E-164	-2. 299237	0. 383	0. 915	1. 26E-160	Smooth_mu:KRT19
PTGS1	3. 52E-162	1. 673683	0. 504	0. 123	7. 05E-159	Smooth_mu:PTGS1
S100P	1. 09E-161	-2. 423716	0. 498	0. 947	2. 17E-158	Smooth_mu:S100P
KRT182	1. 21E-160	-1. 668414	0. 22	0. 834	2. 42E-157	Smooth_mu:KRT18
LGALS13	2. 36E-160	1. 1309054	1	0. 471	4. 73E-157	Smooth_mu:LGALS1
FABP51	4. 76E-160	-2. 092174	0. 352	0. 923	9. 52E-157	Smooth_mu:FABP5
SFN2	9. 82E-158	-1. 971438	0. 241	0. 845	1. 96E-154	Smooth_mu:SFN
SLMAP	3. 71E-156	1. 7279406	0. 698	0. 363	7. 42E-153	Smooth_mu:SLMAP
FXYD33	2. 35E-155	-1. 93786	0. 296	0. 865	4. 70E-152	Smooth_mu:FXYD3
AKR1C22	2. 73E-154	-1. 580099	0. 218	0. 825	5. 46E-151	Smooth_mu:AKR1C2
C19orf332	4. 21E-154	-1. 526192	0. 199	0. 808	8. 42E-151	Smooth_mu:C19orf33
GPX22	5. 26E-154	-1. 601698	0. 228	0. 834	1. 05E-150	Smooth_mu:GPX2
SPARCL13	2. 27E-152	1. 0486111	0. 872	0. 353	4. 54E-149	Smooth_mu:SPARCL1
SNCG2	1. 58E-151	-1. 940264	0. 276	0. 859	3. 16E-148	Smooth_mu:SNCG
TACSTD22	1. 59E-149	-1. 935798	0. 288	0. 863	3. 17E-146	Smooth_mu:TACSTD2
KRT17	6. 91E-147	-2. 309224	0. 412	0. 924	1. 38E-143	Smooth_mu:KRT17
KRT132	2. 59E-146	-2. 051697	0. 328	0. 886	5. 17E-143	Smooth_mu:KRT13
KCNMB1	1. 81E-145	1. 630595	0. 557	0. 206	3. 62E-142	Smooth_mu:KCNMB1
PHLDA22	1. 82E-145	-1. 946379	0. 334	0. 881	3. 64E-142	Smooth_mu:PHLDA2
AGR24	4. 25E-144	-1. 913628	0. 25	0. 84	8. 50E-141	Smooth_mu:AGR2
NEXN	4. 69E-144	1. 5745803	0. 548	0. 194	9. 37E-141	Smooth_mu:NEXN
HSPG21	2. 34E-136	1. 5489818	0. 572	0. 214	4. 67E-133	Smooth_mu:HSPG2
GAS6	2. 94E-136	1. 4010159	0. 556	0. 194	5. 87E-133	Smooth_mu:GAS6
A2M3	1. 28E-135	1. 4601261	0. 745	0. 405	2. 55E-132	Smooth_mu:A2M
CCL24	9. 16E-135	2. 3216197	0. 666	0. 298	1. 83E-131	Smooth_mu:CCL2
LY6D2	5. 84E-134	-2. 103964	0. 312	0. 857	1. 17E-130	Smooth_mu:LY6D
SERPINB52	6. 49E-133	-1. 183983	0. 166	0. 748	1. 30E-129	Smooth_mu:SERPINB5
CXCL8	1. 18E-132	-2. 201451	0. 373	0. 889	2. 37E-129	Smooth_mu:CXCL8
IGFBP21	5. 34E-131	-1. 537868	0. 249	0. 815	1. 07E-127	Smooth_mu:IGFBP2
AREG	7. 54E-130	-1. 92462	0. 242	0. 816	1. 51E-126	Smooth_mu:AREG
SMIM222	1. 36E-127	-1. 363714	0. 179	0. 755	2. 72E-124	Smooth_mu:SMIM22
RARRES22	2. 06E-127	1. 113014	0. 716	0. 298	4. 12E-124	Smooth_mu:RARRES2
FABP4	3. 08E-126	-2. 103362	0. 439	0. 923	6. 16E-123	Smooth_mu:FABP4
CYSTM11	1. 99E-123	-1. 494568	0. 402	0. 877	3. 97E-120	Smooth_mu:CYSTM1

CAPG	6.95E-120	-1.125882	0.129	0.683	1.39E-116	Smooth_mu:CAPG
HPGD1	7.28E-120	-1.480592	0.204	0.759	1.46E-116	Smooth_mu:HPGD
DHRS21	1.41E-119	-1.785662	0.231	0.776	2.83E-116	Smooth_mu:DHRS2
MPZL2	6.47E-119	-1.120132	0.16	0.723	1.29E-115	Smooth_mu:MPZL2
MGST12	8.65E-119	-1.224667	0.388	0.863	1.73E-115	Smooth_mu:MGST1
LAMB31	9.64E-116	-1.137818	0.171	0.718	1.93E-112	Smooth_mu:LAMB3
S100A2	1.25E-114	-2.391003	0.491	0.928	2.51E-111	Smooth_mu:S100A2
KLF52	6.97E-114	-1.182901	0.234	0.784	1.39E-110	Smooth_mu:KLF5
S100A41	1.38E-113	-2.031026	0.305	0.764	2.75E-110	Smooth_mu:S100A4
CLDN7	5.50E-112	-1.338183	0.141	0.698	1.10E-108	Smooth_mu:CLDN7
CFD2	4.40E-111	-3.319641	0.204	0.7	8.80E-108	Smooth_mu:CFD
FAM3B1	2.88E-106	-1.066621	0.16	0.688	5.75E-103	Smooth_mu:FAM3B
ANXA101	1.30E-105	-1.07635	0.147	0.676	2.61E-102	Smooth_mu:ANXA10
TUBA1A2	7.77E-104	1.222717	0.727	0.379	1.55E-100	Smooth_mu:TUBA1A
EZR1	1.04E-102	-1.201656	0.378	0.844	2.07E-99	Smooth_mu:EZR
PRSS232	2.93E-101	1.0915889	0.675	0.344	5.86E-98	Smooth_mu:PRSS23
CDC42EP5	3.53E-100	-1.083002	0.15	0.665	7.06E-97	Smooth_mu:CDC42EP5
CLDN41	4.04E-100	-2.032216	0.286	0.777	8.09E-97	Smooth_mu:CLDN4
KRT73	9.22E-100	-1.775827	0.213	0.738	1.84E-96	Smooth_mu:KRT7
PMAIP1	1.86E-98	-1.118676	0.199	0.716	3.72E-95	Smooth_mu:PMAIP1
HLA-B	7.08E-98	-1.363871	0.596	0.926	1.42E-94	Smooth_mu:HLA-B
PERP1	1.83E-95	-1.109463	0.341	0.819	3.66E-92	Smooth_mu:PERP
KRT82	3.53E-95	-1.263291	0.394	0.842	7.07E-92	Smooth_mu:KRT8
DUSP5	4.28E-95	-1.146458	0.317	0.812	8.56E-92	Smooth_mu:DUSP5
CRABP2	1.64E-94	-1.321935	0.132	0.613	3.28E-91	Smooth_mu:CRABP2
EMP11	2.26E-91	-1.22536	0.2	0.691	4.53E-88	Smooth_mu:EMP1
DUOXA2	8.59E-88	-1.261611	0.136	0.621	1.72E-84	Smooth_mu:DUOXA2
TSPAN1	1.02E-87	-1.120411	0.16	0.661	2.04E-84	Smooth_mu:TSPAN1
ELF3	3.88E-87	-1.412503	0.184	0.686	7.76E-84	Smooth_mu:ELF3
C9orf161	4.98E-87	-1.039489	0.593	0.905	9.95E-84	Smooth_mu:C9orf16
HN11	8.72E-87	-1.254374	0.199	0.703	1.74E-83	Smooth_mu:HN1
LYPD31	1.02E-84	-1.01322	0.105	0.584	2.04E-81	Smooth_mu:LYPD3
HMGAI	3.42E-84	-1.08943	0.342	0.803	6.85E-81	Smooth_mu:HMGAI
PHLDA11	3.81E-83	-1.280291	0.342	0.801	7.63E-80	Smooth_mu:PHLDA1
VSIG2	9.32E-83	-1.042509	0.123	0.613	1.86E-79	Smooth_mu:VSIG2
CD742	1.82E-73	-2.004872	0.179	0.632	3.64E-70	Smooth_mu:CD74
MMP1	1.31E-69	-1.479761	0.121	0.543	2.61E-66	Smooth_mu:MMP1
SLPI	1.38E-68	-1.546295	0.116	0.565	2.76E-65	Smooth_mu:SLPI
TXNDC172	1.97E-67	-1.126484	0.33	0.755	3.94E-64	Smooth_mu:TXNDC17
HES4	2.00E-67	-1.064664	0.373	0.777	4.01E-64	Smooth_mu:HES4
FBLN12	3.24E-67	-2.71215	0.116	0.513	6.48E-64	Smooth_mu:FBLN1
PLIN2	3.87E-64	-1.006115	0.183	0.617	7.75E-61	Smooth_mu:PLIN2
SPINK11	1.40E-63	-2.236172	0.242	0.673	2.80E-60	Smooth_mu:SPINK1
GDF15	8.12E-63	-1.426796	0.165	0.576	1.62E-59	Smooth_mu:GDF15
VAMP82	1.48E-58	-1.211587	0.162	0.626	2.96E-55	Smooth_mu:VAMP8
HES1	9.43E-54	-1.541323	0.202	0.594	1.89E-50	Smooth_mu:HES1
PSCA1	6.47E-51	-1.925238	0.192	0.607	1.29E-47	Smooth_mu:PSCA
CCL20	1.31E-50	-1.593518	0.166	0.561	2.62E-47	Smooth_mu:CCL20
TSTD12	1.01E-41	-1.033013	0.142	0.568	2.03E-38	Smooth_mu:TSTD1
DKK1	4.88E-40	-1.440604	0.157	0.547	9.76E-37	Smooth_mu:DKK1
TM4SF11	3.52E-37	-1.004361	0.205	0.557	7.04E-34	Smooth_mu:TM4SF1