

gene	value_1 (NHBEF FPKM)	value_2 (B-HBEC FPKM)	log2(fold_change)	p_value	q_value
COX7A1	0.274766	0	.-inf	5.00E-05	0.005578
GUSBP2	0.113764	5.89283	5.69484	5.00E-05	0.005578
HAS2	0.0236277	0.988465	5.38664	5.00E-05	0.005578
THY1	0.569995	9.19773	4.01226	5.00E-05	0.005578
DENND2A	0.0401943	0.606154	3.91462	5.00E-05	0.005578
DMBT1	0.0334296	0.394785	3.56187	0.00015	0.013326
TOX2	0.216937	2.52481	3.54082	5.00E-05	0.005578
CSF3	1.73168	17.5351	3.34	5.00E-05	0.005578
CPNE7	0.840086	7.73145	3.20213	5.00E-05	0.005578
ATP1A3	0.033532	0.300184	3.16224	5.00E-05	0.005578
BCL2A1	0.568538	4.27885	2.9119	5.00E-05	0.005578
RP6-91H8.3	0.0692846	0.509327	2.87799	0.0003	0.023121
KIAA1644	0.302398	2.12941	2.81593	5.00E-05	0.005578
DPF3	0.0523882	0.351433	2.74593	5.00E-05	0.005578
PMP22	0.058532	0.384072	2.71408	5.00E-05	0.005578
ANPEP	5.71394	36.9927	2.69469	5.00E-05	0.005578
TSPAN18	0.0437121	0.275059	2.65364	5.00E-05	0.005578
PLAT	1.65235	10.2861	2.6381	5.00E-05	0.005578
BM11,COMMMD3,COMM	43.6574	270.143	2.62943	5.00E-05	0.005578
KCNJ12	0.228171	1.3552	2.57032	0.00045	0.032102
LGR6	0.0900057	0.524112	2.54179	5.00E-05	0.005578
KIF26A	0.112083	0.619931	2.46755	5.00E-05	0.005578
ZFP57	0.105466	0.574102	2.44453	0.0007	0.044043
ZYG11A	0.0733509	0.398404	2.44135	5.00E-05	0.005578
ADAMTS15	0.509336	2.60069	2.35221	5.00E-05	0.005578
MEG9,MIR369,MIR377,	0.205368	1.02095	2.31362	0.00045	0.032102
ANO1	2.97209	14.5044	2.28694	5.00E-05	0.005578
COL22A1	3.23769	15.2584	2.23656	5.00E-05	0.005578
MYCBPAP	0.346841	1.62836	2.23107	5.00E-05	0.005578
ADAM12	0.14163	0.654749	2.20882	5.00E-05	0.005578
RTN4RL1	0.922949	4.03704	2.12897	5.00E-05	0.005578
SH2D2A	3.14786	13.5819	2.10924	0.0001	0.009692
RP11-336A10.4	3.56013	15.3113	2.10459	5.00E-05	0.005578
VNN1	0.35341	1.51865	2.10337	5.00E-05	0.005578
IGF2,INS,INS-IGF2	4.24958	18.2047	2.09892	5.00E-05	0.005578
H19	25.5095	107.148	2.0705	5.00E-05	0.005578
B4GALNT1	0.256898	1.06227	2.04788	0.00015	0.013326
FAP	1.49925	6.14605	2.03542	5.00E-05	0.005578
KLHL4	0.406132	1.65877	2.03009	0.00025	0.020415
FOXC2	0.387427	1.53793	1.989	0.00015	0.013326
SH3RF3	0.599272	2.36702	1.98179	0.0003	0.023121
P2RY6	0.152664	0.60172	1.97874	5.00E-05	0.005578
L1TD1	0.593702	2.30385	1.95624	5.00E-05	0.005578
C15orf52	5.67426	21.9224	1.9499	5.00E-05	0.005578
SLC46A3	0.841654	3.24734	1.94796	5.00E-05	0.005578
ZNF469	0.0838173	0.320788	1.9363	5.00E-05	0.005578
GDPD5	0.884717	3.26402	1.88336	5.00E-05	0.005578
CYP27C1	0.585058	2.13868	1.87007	0.00035	0.026134
GOLGA7B	0.748671	2.70899	1.85535	5.00E-05	0.005578
SEMA7A	8.24916	29.1234	1.81986	5.00E-05	0.005578
TGM2	10.3797	36.3905	1.8098	5.00E-05	0.005578
APLN	0.583756	2.03947	1.80476	0.0006	0.039703
DOCK2	0.082299	0.286008	1.79711	0.00025	0.020415
MGAT5B	0.177727	0.617471	1.79671	0.0001	0.009692
SLC35F3	1.16363	3.97299	1.77159	5.00E-05	0.005578
LCK	0.13144	0.446925	1.76562	0.0001	0.009692
HEPH1	2.5763	8.73974	1.76229	5.00E-05	0.005578
C9orf47,S1PR3	1.12236	3.76996	1.74801	5.00E-05	0.005578

STMN3	0.513396	1.69538	1.72346	0.0002	0.016833
INPP5J	0.211489	0.691197	1.70852	0.0001	0.009692
STC1	0.650872	2.07701	1.67406	0.0002	0.016833
NEFH	0.31338	0.997584	1.67052	0.0003	0.023121
NRGN	1.38424	4.36724	1.65762	0.00055	0.037295
TNS1	1.5929	4.95098	1.63606	5.00E-05	0.005578
APBB1	0.808134	2.48916	1.623	5.00E-05	0.005578
MT1L	26.6701	81.977	1.61999	5.00E-05	0.005578
MFI2	7.03735	20.9312	1.57255	5.00E-05	0.005578
GPR68	4.7522	14.0932	1.56833	5.00E-05	0.005578
COL4A1	15.0093	43.8907	1.54806	0.0001	0.009692
TP53I11	5.68144	16.384	1.52796	5.00E-05	0.005578
ADAMTS6	0.825711	2.30023	1.47807	5.00E-05	0.005578
NRIP3	0.596546	1.65884	1.47547	0.0001	0.009692
GAL	2.98007	8.26974	1.4725	0.0008	0.049205
ARHGDI8	14.2664	39.4932	1.46898	5.00E-05	0.005578
IL7R	0.316957	0.870745	1.45796	0.0006	0.039703
UHRF1	2.3734	6.47393	1.44769	5.00E-05	0.005578
PAK3	0.468847	1.25294	1.41812	0.00025	0.020415
SLC29A1	7.16163	19.1128	1.41618	5.00E-05	0.005578
LBH	5.10381	13.521	1.40555	0.00055	0.037295
KANK4	1.85918	4.9105	1.4012	5.00E-05	0.005578
HAPLN3	1.64353	4.31969	1.39413	0.00065	0.041717
SCAPER	3.50507	9.12863	1.38096	5.00E-05	0.005578
SFRP1	12.0989	31.4344	1.37747	5.00E-05	0.005578
KCNN4	5.95563	15.4041	1.37099	0.0001	0.009692
PGBD5	1.48398	3.80897	1.35993	0.0001	0.009692
PDE4B	0.121462	0.310263	1.35299	0.00045	0.032102
TNNT1	13.3329	33.8706	1.34505	5.00E-05	0.005578
RP11-424C20.2	3.8109	9.65226	1.34074	5.00E-05	0.005578
NACAD	0.713821	1.80707	1.34002	5.00E-05	0.005578
SERPINE1	261.722	659.102	1.33246	5.00E-05	0.005578
CPNE2	5.16571	13.0058	1.33212	5.00E-05	0.005578
MVB12B	0.731912	1.78046	1.28251	0.0002	0.016833
ELFN2	1.95064	4.72632	1.27677	5.00E-05	0.005578
PLOD2	62.1789	150.154	1.27194	5.00E-05	0.005578
CNTNAP2	2.51227	6.02438	1.26182	5.00E-05	0.005578
CORO1A	4.76412	11.3398	1.25112	0.0003	0.023121
ELAVL2	1.42117	3.34304	1.23408	0.0005	0.034639
ITGB6	32.3211	75.0265	1.21493	5.00E-05	0.005578
LPXN	13.2452	30.6802	1.21184	5.00E-05	0.005578
PGM2L1	1.15866	2.6672	1.20288	5.00E-05	0.005578
MCM6	3.71762	8.5212	1.19668	5.00E-05	0.005578
ARHGAP22	4.30971	9.87678	1.19645	5.00E-05	0.005578
SPARC	72.8725	164.27	1.17262	5.00E-05	0.005578
TFPI2	41.3027	92.9629	1.17042	5.00E-05	0.005578
RP4-555D20.2	2.19385	4.92348	1.16621	5.00E-05	0.005578
MCM5	8.64001	19.3763	1.16519	0.0004	0.02941
FLI1	5.46216	12.1859	1.15766	0.00045	0.032102
HMGCS1	62.4791	138.292	1.14627	5.00E-05	0.005578
AC096677.1,NAV1	5.16886	11.381	1.13872	0.0002	0.016833
CDH11	12.9351	27.9328	1.11067	0.0005	0.034639
SPOCK1	35.1549	75.089	1.09487	0.0003	0.023121
INHBA	12.8564	27.2771	1.08521	0.0002	0.016833
WNT5A	1.49349	3.16347	1.08282	0.00035	0.026134
NTM	13.0533	27.5339	1.0768	0.00075	0.046578
AKAP12	3.35153	7.05103	1.07302	5.00E-05	0.005578
SOX9	4.49584	9.42085	1.06727	0.0001	0.009692
AC010441.1,SMIM3	5.51788	11.4981	1.05921	0.00035	0.026134

NEDD9	4.76931	9.8822	1.05105	5.00E-05	0.005578
IVNS1ABP	28.7497	59.5159	1.04973	0.00025	0.020415
GRK5	3.61897	7.4869	1.04879	0.00035	0.026134
MCM3	9.36816	19.3727	1.04819	0.00015	0.013326
SLC2A6	4.5932	9.48894	1.04675	0.0008	0.049205
SORBS2	2.4683	5.09129	1.04451	5.00E-05	0.005578
COL4A2	74.8604	154.035	1.04098	5.00E-05	0.005578
GJC1	2.45669	5.03583	1.03552	0.00075	0.046578
LTBP1	8.94325	18.1927	1.02449	5.00E-05	0.005578
THBS1	226.274	458.275	1.01814	0.00045	0.032102
ZBED2	18.0352	36.3565	1.0114	5.00E-05	0.005578
PTHLH	279.824	563.733	1.01049	5.00E-05	0.005578
STK38	14.6001	29.0689	0.993502	0.0008	0.049205
AFAP1L2	8.39347	16.6672	0.989673	0.0007	0.044043
SAMHD1	1.43449	2.82885	0.979678	0.00065	0.041717
PDPN	38.8218	75.4421	0.958502	0.0005	0.034639
CCDC8	6.94926	13.4778	0.955654	0.0002	0.016833
SIPA1L3	5.29109	10.2479	0.953697	0.0004	0.02941
ALDH1A3	88.572	171.513	0.953394	5.00E-05	0.005578
SLC6A11	3.78845	7.25183	0.936737	0.0007	0.044043
MOB3B	4.35153	8.29223	0.930236	0.0001	0.009692
RAC2	68.849	129.69	0.913556	0.0003	0.023121
CSRNP1	6.10616	11.4072	0.901603	0.0005	0.034639
DPYSL2	5.12634	9.55298	0.898021	0.00015	0.013326
EFNB2	16.0533	29.7862	0.891777	5.00E-05	0.005578
CDC42EP2	9.75863	18.0294	0.8856	0.0007	0.044043
ARL4C	20.5814	37.9492	0.882728	0.0001	0.009692
SDC3	8.70639	16.0315	0.880765	5.00E-05	0.005578
THBS2	6.34944	11.6893	0.880494	0.00075	0.046578
PRG2,RP11-872D17.8,SI	8.7072	15.9366	0.872064	0.0004	0.02941
TGFBI	477.163	873.286	0.871972	0.0001	0.009692
LPIN1	9.67595	17.6249	0.865139	5.00E-05	0.005578
MARVELD1	19.667	35.6014	0.856152	5.00E-05	0.005578
EPHB2	23.0615	41.1094	0.833981	5.00E-05	0.005578
NET1	84.8866	151.268	0.833497	0.0001	0.009692
SMTN	45.5151	80.9741	0.831115	0.00015	0.013326
EPN3,SPATA20	34.3044	60.9186	0.828491	0.0003	0.023121
AMIGO2	46.9072	82.8529	0.820744	0.00025	0.020415
TNS3	4.08504	7.1832	0.814277	0.0003	0.023121
TUBA1B	356.266	614.336	0.786074	0.00055	0.037295
RP11-121L10.3	53.9437	92.9208	0.784547	0.00045	0.032102
CAMK2N1	18.5484	31.7681	0.776286	0.0006	0.039703
IL1B	65.8002	111.079	0.755423	0.0002	0.016833
CD276	40.9351	69.0981	0.755308	0.00065	0.041717
SYNPO	21.7693	35.3139	0.69794	0.0006	0.039703
EGR1	90.1468	53.3793	-0.755994	5.00E-05	0.005578
S100A8	502.034	289.475	-0.794345	0.0006	0.039703
RAB11FIP1	11.4544	6.57325	-0.801222	0.00015	0.013326
FTL	1969.59	1098.78	-0.841998	0.00015	0.013326
FTLP3	1009.78	561.826	-0.845848	0.0001	0.009692
CBX4	37.0305	20.3625	-0.862798	0.00065	0.041717
GLTP	86.2923	47.3182	-0.866838	0.0003	0.023121
EPPK1	12.5242	6.81375	-0.878194	0.0001	0.009692
OTUD1	8.3742	4.41921	-0.922163	0.0003	0.023121
ABLIM1	49.7419	25.7092	-0.952176	5.00E-05	0.005578
LYPD3	98.7163	50.8973	-0.955699	0.00035	0.026134
SERPINB7	33.5386	17.1997	-0.96344	0.0002	0.016833
PIM3	35.042	17.7879	-0.978189	5.00E-05	0.005578
SERPINB1	44.6258	22.0303	-1.01839	0.0005	0.034639

RAPGEFL1	25.7927	12.6652	-1.02609	0.00015	0.013326
AQP3	117.609	57.1564	-1.04101	0.0003	0.023121
ZFP36	112.574	54.2161	-1.05408	5.00E-05	0.005578
CSTA	444.976	214.002	-1.05611	5.00E-05	0.005578
BEX4	18.4075	8.80809	-1.06339	0.00045	0.032102
UGT1A1,UGT1A10,UGT:	23.8851	11.3537	-1.07294	0.0005	0.034639
CSTB	216.243	102.757	-1.07342	5.00E-05	0.005578
CD55	52.6521	24.872	-1.08197	5.00E-05	0.005578
ALOX15B	23.0346	10.8355	-1.08803	5.00E-05	0.005578
SPRR2D	54.9826	25.4084	-1.11367	0.00045	0.032102
WNT10A	10.7994	4.95827	-1.12304	0.00035	0.026134
ADM	80.2394	36.8079	-1.1243	0.0001	0.009692
NOTCH3	31.5552	14.3052	-1.14134	0.0001	0.009692
KRT16	911.138	412.854	-1.14204	0.0004	0.02941
UNC5B	26.8896	12.1793	-1.14261	5.00E-05	0.005578
LINC00665	8.14538	3.64017	-1.16198	0.00015	0.013326
FOXA2	27.7073	12.2628	-1.17598	0.0003	0.023121
PVRL4	14.308	6.13963	-1.2206	0.00015	0.013326
PRKAA2	0.681742	0.288938	-1.23847	0.00065	0.041717
NUPR1	353.839	149.838	-1.23969	5.00E-05	0.005578
ZSCAN18	18.9868	7.98273	-1.25004	0.00015	0.013326
GDF15	178.421	74.8479	-1.25326	0.00075	0.046578
GRHL1	19.0809	7.98327	-1.25708	5.00E-05	0.005578
RHOV	5.75413	2.37762	-1.27508	0.0003	0.023121
RGMA	2.51696	1.03804	-1.27782	0.00015	0.013326
ABCA12	4.98778	2.0534	-1.28038	5.00E-05	0.005578
RABGGTA,TGM1	143.753	58.9765	-1.28538	5.00E-05	0.005578
SORT1	6.96631	2.82572	-1.30178	5.00E-05	0.005578
SPOCK3	1.03499	0.414922	-1.31871	0.00025	0.020415
CD74	14.6632	5.71605	-1.35911	0.0001	0.009692
PPFIBP2	8.52832	3.31749	-1.36217	0.0001	0.009692
PRSS22	6.82504	2.56698	-1.41076	0.00065	0.041717
BAMBI	4.26998	1.60059	-1.41563	0.00055	0.037295
SPRR1B	966.01	353.649	-1.44972	5.00E-05	0.005578
NCOA1	2.60948	0.932432	-1.48469	5.00E-05	0.005578
HLA-G	5.74863	2.0067	-1.51839	0.0002	0.016833
NEO1	10.2038	3.53911	-1.52764	5.00E-05	0.005578
TMPRSS4	18.299	6.32826	-1.53188	5.00E-05	0.005578
KRT10	26.0799	8.9421	-1.54426	5.00E-05	0.005578
ALDH3A1	131.81	43.592	-1.59633	5.00E-05	0.005578
PHACTR3	7.2167	2.30292	-1.64788	0.00015	0.013326
FAM181B	1.19229	0.380162	-1.64905	0.0001	0.009692
CCNA1	13.5713	4.3271	-1.64908	5.00E-05	0.005578
PPM1L	0.87467	0.276326	-1.66237	0.0002	0.016833
POLR2J2,POLR2J3,RASA	196.58	61.9173	-1.6667	5.00E-05	0.005578
SLPI	250.618	77.5568	-1.69216	5.00E-05	0.005578
RHCG	50.4926	15.5733	-1.697	5.00E-05	0.005578
TRIM36	0.436496	0.134326	-1.70023	0.0001	0.009692
PRODH	25.4123	7.78279	-1.70717	0.00065	0.041717
NDN	2.70738	0.823098	-1.71776	5.00E-05	0.005578
PGLYRP4	3.53728	1.06247	-1.73523	0.00065	0.041717
IVL	26.3932	7.81802	-1.75529	5.00E-05	0.005578
NCCRP1	7.11095	2.05223	-1.79285	0.0002	0.016833
SERPINB4	5.9146	1.70576	-1.79386	0.0006	0.039703
HPGD	0.845657	0.229612	-1.88088	5.00E-05	0.005578
GNPMB	30.2913	8.22135	-1.88146	5.00E-05	0.005578
MIR203	4.81747	1.29717	-1.8929	0.0001	0.009692
HOPX	22.0542	5.9091	-1.90005	5.00E-05	0.005578
BSPRY	1.79081	0.46939	-1.93175	0.0005	0.034639

LIPH	1.45708	0.376045	-1.9541	0.0006	0.039703
LY6D	24.4812	6.1179	-2.00056	5.00E-05	0.005578
SPINK5	12.6363	3.14473	-2.00657	5.00E-05	0.005578
SERPINB3	42.2564	10.4076	-2.02153	5.00E-05	0.005578
GGT6	3.38639	0.807739	-2.06779	0.0001	0.009692
TSPAN12	0.587772	0.138063	-2.08993	5.00E-05	0.005578
GUCY1B3	0.531211	0.124231	-2.09626	5.00E-05	0.005578
CDH26	2.00954	0.464041	-2.11454	5.00E-05	0.005578
TMEM47	2.68374	0.607974	-2.14217	5.00E-05	0.005578
LGALS7B	258.151	58.1955	-2.14924	5.00E-05	0.005578
RRAD	22.6372	5.05516	-2.16287	5.00E-05	0.005578
SPON2	5.75357	1.27915	-2.16928	5.00E-05	0.005578
DNASE1L3	0.547773	0.121725	-2.16995	0.0002	0.016833
PHYHIP	1.95994	0.430144	-2.18792	5.00E-05	0.005578
SULT2B1	20.7257	4.54144	-2.1902	5.00E-05	0.005578
FOXP2	2.08685	0.440047	-2.2456	0.0001	0.009692
KRT4	28.7858	6.04515	-2.25151	5.00E-05	0.005578
KRT23	14.5004	3.00174	-2.27222	5.00E-05	0.005578
SEPP1	4.81338	0.989215	-2.28269	0.0007	0.044043
SNHG1	276.415	56.4915	-2.29073	5.00E-05	0.005578
ATP10B	1.08541	0.220773	-2.29761	5.00E-05	0.005578
ABLM2	0.697112	0.138775	-2.32864	0.0001	0.009692
CYP2J2	0.54017	0.107096	-2.33451	5.00E-05	0.005578
ULBP1	5.76158	1.13544	-2.34321	5.00E-05	0.005578
NR3C2	0.280957	0.0550818	-2.3507	5.00E-05	0.005578
EPHB6	0.772945	0.150294	-2.36258	0.0003	0.023121
SLC40A1	0.581979	0.112989	-2.36479	5.00E-05	0.005578
IL34	0.427902	0.0820703	-2.38235	0.00015	0.013326
GJA3	0.366521	0.0673024	-2.44517	0.0001	0.009692
C3orf30,RP11-484M3.5,	25.174	4.62035	-2.44586	5.00E-05	0.005578
EPB41L3	0.752289	0.131323	-2.51817	5.00E-05	0.005578
PPARGC1A	0.522896	0.0880876	-2.56951	5.00E-05	0.005578
ALDH3B2	12.0942	1.88337	-2.68292	5.00E-05	0.005578
CTD-2015G9.2	0.447021	0.0610608	-2.87202	5.00E-05	0.005578
CEA,CEACAM5,CEACAM	5.5307	0.743117	-2.8958	5.00E-05	0.005578
CACNA2D1	0.591385	0.0755967	-2.9677	0.00025	0.020415
MYH14	2.07695	0.26457	-2.97274	0.00055	0.037295
PARK2	0.55436	0.0703572	-2.97805	0.0005	0.034639
PI3	55.1248	6.45894	-3.09333	5.00E-05	0.005578
EPHX3	1.71145	0.194597	-3.13666	5.00E-05	0.005578
SPRR1A	448.865	50.6637	-3.14726	5.00E-05	0.005578
SGPP2	6.68724	0.742211	-3.17151	5.00E-05	0.005578
ADH7	4.68089	0.443451	-3.39994	5.00E-05	0.005578
ASPG	0.884397	0.0792927	-3.47943	0.00055	0.037295
PIP5K1B	0.574197	0.0480304	-3.57953	5.00E-05	0.005578
KRT13	57.8395	4.80154	-3.59049	5.00E-05	0.005578
SBSN	27.5502	2.0531	-3.74618	5.00E-05	0.005578
CALB1	0.989574	0.0711629	-3.79761	5.00E-05	0.005578
SPRR3	111.299	7.79874	-3.83505	5.00E-05	0.005578
TMPRSS11B,TMPRSS11f	0.607314	0.0403553	-3.91161	0.00065	0.041717
DSG1	0.733636	0.0327509	-4.48546	0.00035	0.026134
TGM3	1.35551	0.0523183	-4.69538	0.00015	0.013326
MUC15	3.05094	0.105599	-4.85259	5.00E-05	0.005578
PROSP	4.78603	0.149477	-5.00084	5.00E-05	0.005578
ATP12A	4.69971	0.108813	-5.43265	5.00E-05	0.005578
SPINK7	2.06505	0.0470659	-5.45535	5.00E-05	0.005578
SNTB1	0.275652	0.00530515	-5.69931	0.00015	0.013326
HEATR6	523.533	7.52907	-6.11966	5.00E-05	0.005578