



Supplementary Figure 1 Cell surface markers and multidirectional differentiation potential of MSCs. A. Detection of cell surface markers in hUC-MSCs by flow cytometry; B. Oil red O staining after lipogenic differentiation; C. Alizarin red S staining after osteogenic differentiation; D. Alizarin blue staining after chondrogenic differentiation.

Supplementary Table 1 Differentially expressed genes in skin wound tissue of diabetic mice

GeneName	EPO_1	EPO_2	EPO_3	NC_1	NC_2	NC_3	Pvalue	Q-value	log2(FC)
Plk3	1191	964	1945	411	502	557	1.21E-05	0.0076039	1.5018313
Abca9	328	187	289	1247	804	713	3.79E-06	0.0033618	-1.733992
Mir22hg	2311	1928	1915	746	1061	962	0.0001562	0.0456717	1.2085668
Abcg3	55	19	34	193	113	120	0.0001294	0.0417103	-1.925388
Chd7	1590	1543	2527	534	819	838	3.05E-05	0.014755	1.398056
Abcd2	195	248	410	2304	887	572	1.55E-05	0.0094335	-2.105559
Chga	220	113	43	2	12	20	1.18E-05	0.0075276	3.5386029
F3	10936	7635	3199	930	1700	1273	2.17E-08	7.34E-05	2.5659438
Tmem95	82	52	49	11	13	23	0.0001569	0.0456717	2.0143957
Rgs18	46	46	77	253	167	156	3.31E-05	0.0154619	-1.73146
Rgs16	1877	1208	610	148	404	168	2.12E-06	0.002166	2.4369895
Slco4a1	1089	486	706	46	210	53	5.91E-07	0.0009408	2.9227739
Cma1	196	304	897	1842	1859	1556	2.09E-05	0.0117677	-1.919424
Gm8818	221	246	18	1	1	2	2.75E-10	2.94E-06	6.9125218
Sphk1	1652	1485	1389	560	754	495	3.00E-05	0.014755	1.3815091

Ptx3	10543	8660	3765	270	1236	2165	8.16E-06	0.0055243	2.7294988
Gm11843	770	756	182	14	66	22	3.92E-09	2.26E-05	4.1558034
Lipa	1004	1094	1235	6286	1963	2253	0.0001377	0.0429822	-1.597424
Cpa3	45	66	184	520	544	422	1.27E-06	0.0014302	-2.332741
Tm4sf19	8	19	9	532	40	84	7.29E-06	0.0050624	-4.077478
Apobec1	502	587	1156	2837	1633	2044	3.56E-05	0.0163158	-1.514153
Stard8	420	329	876	1475	1678	1196	0.0001548	0.0455308	-1.41143
Crem	1635	1003	473	295	434	256	0.0001713	0.0485376	1.7429623
Csf2	41	22	18	5	0	2	2.46E-05	0.0129051	3.5366555
Smim10l2a	2	1	2	13	12	20	0.0001676	0.048004	-3.034308
Gm45663	29	10	10	0	2	1	0.0001005	0.0346669	3.9303431
Has1	1455	2773	242	105	31	175	3.57E-07	0.0006656	3.9763631
Ctgf	4756	4784	2438	702	1967	1182	7.17E-05	0.0269356	1.7149977
Cxcl1	18606	12880	3758	183	2094	1337	4.12E-06	0.0034891	3.373278
Hba-a1	1507	4163	15736	1087	1228	930	5.00E-06	0.0038498	2.6928675
Hba-a2	599	1456	1785	222	239	231	1.32E-09	1.02E-05	2.5086241
4930512H18Rik	2	6	0	23	28	36	2.92E-05	0.0146646	-3.297098

Inhba	10432	3099	2240	189	851	892	1.23E-06	0.0014302	3.100274
Kctd21	62	44	83	204	197	164	8.90E-05	0.032115	-1.545665
Errfi1	17194	10678	2622	1260	2076	1514	6.76E-07	0.0009631	2.7497005
Cybb	1726	1101	1597	4835	2509	3855	0.0001363	0.0429067	-1.290919
Zfp36	8519	7596	7961	1703	3077	2764	2.12E-07	0.000459	1.7260678
Cd180	50	120	80	1008	253	512	4.46E-07	0.0007795	-2.745746
Pnmal2	35	95	28	415	180	236	7.02E-05	0.0268603	-2.285332
Tpsb2	101	203	409	995	835	757	2.95E-05	0.0146646	-1.846558
Slc16a11	218	128	117	15	27	50	1.25E-05	0.0077875	2.3896278
Mfsd4b1	0	1	0	10	14	8	5.47E-05	0.022442	-4.508313
Krt86	14	5	15	0	0	0	9.39E-06	0.0062729	6.5222569
Trim14	17	11	25	229	67	101	1.21E-06	0.0014302	-2.860705
Maff	1075	803	736	173	395	330	6.39E-05	0.0248744	1.5995352
Mir1b	1	4	0	58	18	15	5.80E-05	0.0232392	-3.992733
Thbs1	57645	39383	15233	2647	7398	12216	1.67E-05	0.0100465	2.4221796
Nrcam	61	47	191	511	391	274	9.51E-05	0.033858	-1.982001
Gm32742	0	3	0	32	30	13	2.20E-06	0.0022019	-4.408534

Folr2	34	14	70	371	194	210	7.53E-07	0.0010189	-2.70804
Lrrn2	202	119	74	15	28	15	7.34E-07	0.0010184	2.8343568
Qpct	72	111	92	642	213	320	1.81E-05	0.0103073	-2.024868
Gm5431	14	17	35	177	66	146	4.12E-06	0.0034891	-2.524848
Serpina3j	287	449	560	145	178	152	8.07E-05	0.0295013	1.4865916
1700016P03Rik	67	58	8	0	0	6	0.0001329	0.0423097	4.4953277
Fosl1	1580	1062	1370	69	258	287	1.13E-08	5.39E-05	2.750555
Fosl2	11642	6775	5902	1999	3706	3457	0.0001062	0.0359266	1.4723684
Ccdc3	8	2	2	61	36	27	4.40E-06	0.0036056	-3.265888
Lair1	107	163	174	707	285	503	6.10E-05	0.0242662	-1.695761
Ifit2	112	224	152	769	450	1064	1.03E-06	0.0013542	-2.152285
2510016D11Rik	11	6	15	147	21	69	0.0001059	0.0359266	-2.836733
Ccdc170	1	2	0	27	14	16	4.92E-06	0.0038498	-4.020593
Hbegf	1112	1274	492	86	246	202	5.60E-07	0.0009194	2.5170294
Gm32443	16	7	7	0	0	0	2.41E-05	0.0129051	6.3776342
Prelp	952	1272	1497	6757	2804	2742	1.77E-05	0.0102154	-1.673186
Ier5	2898	2713	3050	948	1309	1393	3.16E-05	0.0149795	1.2962142

Ier2	1902	2002	1658	512	914	685	2.14E-05	0.0118439	1.4586808
Ier3	6784	3894	6014	509	1888	1764	5.00E-06	0.0038498	2.0407166
Igf2	23	52	6	235	172	137	0.0001015	0.0347627	-2.622232
Mfsd12	143	192	223	1716	467	499	1.03E-05	0.0067919	-2.208615
Csrnp1	2924	2648	1603	204	542	639	5.54E-08	0.0001579	2.4465452
Smim3	2032	1449	1276	172	513	748	0.0001302	0.0417194	1.7914605
Ifit1bl1	23	16	12	95	52	113	2.11E-05	0.0117677	-2.272556
Il11	360	148	88	15	36	26	1.75E-06	0.0018956	3.0225716
C3ar1	842	842	1524	3421	1841	3437	7.10E-05	0.0268603	-1.409579
Prkcg	799	999	296	97	131	78	1.91E-08	6.89E-05	2.8723657
Adgre1	727	406	690	3001	1647	4014	1.19E-08	5.39E-05	-2.205502
Ifrd1	4511	3875	2595	1234	1272	1375	3.38E-06	0.003103	1.5753721
Rnf144b	278	196	472	1040	780	816	7.94E-05	0.0292517	-1.458546
Procr	1856	1727	893	368	436	306	9.65E-08	0.0002271	2.0941864
Myoc	6	16	10	137	62	151	1.36E-08	5.65E-05	-3.366898
Cd300ld4	9	2	13	55	138	50	2.12E-06	0.002166	-3.311157
Ephb1	83	59	41	13	17	14	6.20E-05	0.0244806	2.1178854

Dppa3	5	2	12	55	19	57	0.0001405	0.0429822	-2.747803
Tm4sf1	3206	3275	1961	708	1273	1301	0.0001267	0.0416392	1.4381523
Gm4951	25	77	36	164	229	170	0.000169	0.0481375	-1.944407
Gm16548	46	19	8	0	3	1	7.07E-05	0.0268603	4.1464614
Cytip	1679	935	579	279	411	358	8.97E-05	0.032165	1.6838952
Egr1	6613	6034	1603	1411	1804	1034	0.0001383	0.0429822	1.8460521
Egr3	1979	1554	427	398	269	307	2.45E-05	0.0129051	2.1260999
Egr4	31	84	1	0	1	0	4.28E-05	0.0185237	6.5337653
Mrgprb1	10	8	26	116	118	62	1.09E-06	0.0013694	-2.727604
Mrgprb2	0	3	4	61	13	44	6.43E-06	0.0047506	-3.961335
Rnd1	4004	2604	1198	71	551	415	2.42E-06	0.0023356	2.9901555
Selenop	7107	5140	15961	39455	35524	17260	4.86E-05	0.0204715	-1.706157
Pacrg	3	5	3	21	22	34	3.75E-05	0.0167782	-2.707544
Itga5	9689	9934	6451	1953	3640	3975	4.44E-05	0.0189337	1.5183023
Siglec1	203	117	461	1448	1164	1485	2.95E-08	9.38E-05	-2.39264
Gm43430	16	32	19	0	2	2	3.01E-06	0.0028585	4.0131525
Itih5	306	637	759	4029	1815	1163	1.71E-05	0.0100465	-1.994349

Gm43834	68	76	40	0	8	0	6.55E-07	0.0009631	4.5317149
Hpgds	149	170	303	1201	496	674	6.77E-06	0.0047574	-1.898549
A730049H05Rik	165	110	33	0	14	11	5.29E-05	0.0220297	3.6906792
Ereg	15806	7256	791	142	342	137	1.50E-10	2.03E-06	5.3620443
Tceal6	1	6	0	22	22	27	0.0001491	0.0450956	-3.185605
Trib1	2772	2491	1848	677	961	1132	4.03E-05	0.0177574	1.4287857
Nfil3	1956	985	1491	389	613	587	2.59E-05	0.0133397	1.5235086
Gm18787	1031	832	242	15	130	178	0.0001405	0.0429822	2.7949806
Ets2	6268	3307	5326	1335	2145	2289	5.37E-05	0.0221823	1.4090672
Il6	6529	3867	837	21	336	221	3.32E-07	0.0006487	4.3708163
Itk	106	88	68	7	24	24	3.91E-05	0.0173281	2.3078665
Gm6093	3375	2276	902	24	584	244	0.0001292	0.0417103	3.0210459
Noct	6395	5871	3054	1108	1517	1496	1.70E-07	0.0003833	1.9763041
Gpr85	9	20	13	54	51	67	0.0001531	0.0455308	-1.959684
Dusp2	606	534	344	58	141	142	2.10E-06	0.002166	2.1919071
Dusp5	2242	1609	1044	156	349	332	1.79E-09	1.21E-05	2.6199214
Dusp1	6896	5274	3333	1822	1732	2110	1.73E-05	0.0100465	1.5307178

Lif	751	169	121	23	65	80	0.0001451	0.0441345	2.7036091
Apold1	2615	2155	441	48	201	122	4.17E-09	2.26E-05	3.9086095
Ly9	142	136	186	840	300	676	6.49E-06	0.0047506	-1.919943
Il1rl1	10660	8341	1127	224	676	1547	2.50E-05	0.0129931	3.1471715
Sorbs1	178	176	229	1288	563	482	4.65E-06	0.003759	-1.949809
Mx1	31	139	59	341	262	859	2.93E-05	0.0146646	-2.581196
Myc	2138	3042	1259	586	956	850	0.0001589	0.0459992	1.5173571
Ntn1	181	112	162	433	402	496	3.08E-05	0.014755	-1.501792
Osm	1898	632	1495	79	372	217	1.25E-06	0.0014302	2.61659
Pgf	666	290	545	39	154	102	4.29E-06	0.0035727	2.3777322
Sdc3	889	689	580	2501	1317	2112	9.79E-05	0.0343984	-1.387572
Sele	522	633	96	72	101	94	0.0001287	0.0417103	2.3388866
Gm37666	11	13	39	0	1	4	0.0001655	0.0476444	3.5578683
Depdc5	5973	5036	2049	359	787	665	3.26E-10	2.94E-06	2.9365723
Areg	966	224	58	28	76	29	7.41E-05	0.0274921	3.312669
Serpine1	27105	20626	7377	1650	3320	4952	6.72E-07	0.0009631	2.5646318
Serpinb2	14419	8826	5351	136	1151	1780	1.60E-06	0.0017671	3.2939525

Phlda1	1162	1373	585	111	322	160	4.92E-07	0.0008322	2.4782889
Gm13889	647	823	706	111	251	261	6.19E-06	0.004656	1.861193
Slc37a2	706	640	762	4618	1337	1597	4.08E-05	0.017816	-1.7826
Snca	35	96	512	12	19	16	6.76E-06	0.0047574	3.7185593
Cmpk2	84	130	84	341	174	702	0.0001764	0.0497216	-1.95296
BC002189	0	0	0	20	11	20	8.04E-08	0.0001978	-7.071457
1700110C19Rik	0	0	0	10	20	7	6.67E-06	0.0047574	-6.619741
Junb	12015	11071	12593	2184	4411	4919	2.25E-06	0.0022186	1.6789746
Sox7	1036	752	502	122	376	174	0.0001269	0.0416392	1.8366501
Gm42913	0	0	0	4	14	10	7.07E-05	0.0268603	-6.223599
Slamf7	62	124	90	591	160	402	0.0001085	0.0364939	-1.987063
Gm37354	16	7	8	0	0	0	1.52E-05	0.0093619	6.4205319
Stc1	964	349	209	32	75	79	3.36E-07	0.0006487	3.1073037
Gm37033	100	189	288	13	47	56	7.37E-05	0.0274921	2.3326296
Fosb	6042	6454	577	175	102	125	1.67E-12	9.06E-08	5.1450987
Gm29101	38	63	86	12	17	7	1.69E-05	0.0100465	2.3986382
Gm30262	13	42	14	0	3	0	3.04E-05	0.014755	4.4499985

Sertad1	875	1335	1141	341	487	534	0.0001227	0.0407572	1.3572919
Tnfaip6	4614	6509	1371	407	503	786	1.60E-08	6.21E-05	2.9902511
Tnfaip3	10775	5038	4318	863	2123	2040	4.11E-06	0.0034891	2.0671089
Ptgs2	8458	2987	6323	75	697	1441	2.31E-05	0.0126525	3.0378084
Gm10521	21	9	12	112	62	46	5.59E-05	0.0225758	-2.321109
Gm10639	549	294	84	11	14	11	2.03E-11	3.67E-07	4.7673648
Gm20056	17	36	26	603	63	111	3.45E-05	0.0159436	-3.211989
Gadd45g	1247	2618	1731	566	595	852	3.69E-05	0.0166328	1.5466614
Zfp324	52	21	77	206	177	181	5.57E-05	0.0225758	-1.893838
Hbb-bt	202	537	2885	169	219	142	6.28E-05	0.0246524	2.7275756
Hbb-bs	2814	5540	27776	1866	2565	1449	2.40E-05	0.0129051	2.5789722
Tcim	2650	1549	762	275	578	389	1.06E-05	0.0068937	2.0786766
Olfr1258	29	7	5	0	0	0	3.59E-05	0.0163158	6.8377147
Btg2	8179	6321	2159	1036	1419	1093	3.91E-07	0.0007059	2.3246251
Mcpt4	102	132	432	911	855	731	4.88E-05	0.0204715	-1.915281
Mcpt2	219	228	681	1183	1597	1059	3.18E-05	0.0149795	-1.770695
Thbd	2999	2444	1376	657	947	1021	0.0001394	0.0429822	1.4563843

Vsig4	17	14	51	277	100	129	1.15E-05	0.0073931	-2.613273
AC110211.1	97	30	127	9	12	14	3.27E-06	0.0030514	2.8554949
Nr4a3	3388	1719	240	102	165	231	6.59E-07	0.0009631	3.5262426
Nr4a2	2164	1214	292	116	165	123	4.53E-08	0.0001362	3.2798523
Nr4a1	8790	7726	2394	463	840	659	1.17E-11	3.16E-07	3.3632364
Herpud1	924	1033	1430	2966	2964	2078	0.0001526	0.0455308	-1.20258
Gm2862	25	29	29	5	8	3	0.0001003	0.0346669	2.3997732
Hilpda	1895	1388	2601	586	718	817	5.05E-06	0.0038498	1.4998937
Tnxb	754	1157	1142	3667	2904	2856	1.17E-06	0.0014302	-1.571424
Gm28653	195	493	223	1758	778	887	9.96E-05	0.0346669	-1.814863
Pdk4	776	1173	1743	4582	2509	3611	2.91E-05	0.0146646	-1.500338
Tpte	0	0	0	5	10	9	9.70E-05	0.0343044	-6.001838
Pdpr	88	89	118	357	209	268	0.0001355	0.0429051	-1.451814
Pdxk	217	77	131	683	357	407	0.0001541	0.0455308	-1.71379
Daglb	201	205	206	1197	421	459	0.0001198	0.0400342	-1.69865
Rasl11a	279	246	346	69	96	69	2.94E-07	0.0006128	1.9337753
Car1	0	0	0	9	8	8	4.31E-05	0.0185237	-6.056261

Plaur	3921	3506	3201	1348	1225	1370	1.06E-06	0.0013678	1.4930331
Cd14	11745	5970	11095	1220	3114	3692	7.63E-06	0.005231	1.8757231
Cd5l	19	24	129	797	422	515	7.91E-08	0.0001978	-3.355605
Nfkbid	746	558	1601	204	364	360	8.14E-05	0.0295601	1.6485451
Trim30c	4	5	7	45	41	50	7.05E-08	0.0001909	-3.014767
Gnat1	17	20	16	3	3	2	0.0001546	0.0455308	2.732527
Kdm6b	4751	3656	4719	1143	1948	1665	3.46E-06	0.003119	1.5085318

Supplementary Table 2 Differentially expressed proteins in skin wound tissue of diabetic mice

Gene_symbol	EPO_1	EPO_2	EPO_3	NC_1	NC_2	NC_3	pValue	Q-value	log2(FC)
Gm1553	0.00021	0.4272	0.7939	11.3218	5.9935	13.6419	0.047122	0.8983428	-4.663774
Mtch1	0.00021	0.00021	0.00021	0.9165	0.7702	0.3813	0.0497341	0.8983428	-11.6806
Lsm7	0.6603	1.8687	0.00021	1.9938	3.4205	3.8165	0.0454568	0.8983428	-1.867769
Entpd2	1.1324	0.6433	0.1606	1.3559	2.0971	1.9045	0.0357947	0.8983428	-1.468257
Aamp	0.3269	0.2603	0.00021	0.4727	0.6786	0.8484	0.0334548	0.8983428	-1.767344
Zyx	0.5171	0.7885	0.7718	1.7248	1.9404	2.3332	0.0077685	0.8983428	-1.529799
Eif4ebp2	0.00021	0.00021	0.00021	0.2468	0.2393	0.3673	0.0206305	0.8983428	-10.40365
Yars	3.1425	2.2715	2.4844	0.9046	1.3894	0.7503	0.0095057	0.8983428	1.3754499
Hsd17b10	46.6477	36.2455	42.7816	9.4335	26.8627	12.7384	0.0227488	0.8983428	1.3578234
Nup98	2.5447	2.8222	3.8161	2.0691	1.3352	0.3965	0.0468664	0.8983428	1.2726624
Urah	177.5385	137.7142	149.6881	10.4306	66.8166	16.5729	0.0068392	0.8983428	2.3090781
Ctsk	0.6462	0.9275	0.5499	0.4221	0.00021	0.00021	0.0370377	0.8983428	2.3294205
Csnk2b	3.4732	6.5043	5.6284	2.7171	0.4067	1.9634	0.0396746	0.8983428	1.6171478
Marchf5	0.4228	0.2455	0.2712	0.00021	0.1685	0.0835	0.0366198	0.8983428	1.8972677
Tmem258	4.673	3.6657	2.8066	1.9434	0.00021	1.3222	0.0290548	0.8983428	1.7709227

Trip11	0.4949	0.439	0.3299	0.2242	0.1923	0.0268	0.0269458	0.8983428	1.5114129
Col6a2	35.7763	36.9406	32.3979	23.656	12.5559	8.1826	0.0390042	0.8983428	1.243513
Fus	14.5888	14.8517	13.5874	9.2035	4.6553	4.5474	0.0272801	0.8983428	1.2250806
Golt1b	1.6811	2.5233	2.6707	0.4822	1.2707	0.6094	0.020549	0.8983428	1.5411885
Eps8l1	7.0473	3.998	4.6143	2.3206	1.4513	0.3056	0.0325987	0.8983428	1.9412906
Sgpl1	15.5764	19.5939	12.2475	1.0584	6.6713	0.00021	0.0111707	0.8983428	2.6169052
Nefl	9.4797	8.1444	7.1689	0.2751	2.0915	0.4913	0.0012766	0.8983428	3.1169055
Aifm1	4.7329	3.3273	3.8021	2.5853	2.0154	0.6254	0.0416545	0.8983428	1.1825771
Nmral1	3.3453	3.8051	2.3402	0.2479	1.1241	1.4211	0.0174215	0.8983428	1.7646321
Pccb	7.5497	5.5125	4.0641	1.8363	1.1527	0.8231	0.0391325	0.8983428	2.1675556
Lancl1	3.9436	3.6335	2.2576	1.0818	0.4406	0.6083	0.0268803	0.8983428	2.2065536
Ear6	2.692	2.4641	2.0153	0.2784	0.1704	0.4391	0.0039958	0.8983428	3.0137857
Glmp	2.449	1.8926	2.0126	0.8117	0.9636	0.00021	0.0189978	0.8983428	1.839477
Macf1	0.9492	1.1512	0.7442	0.5249	0.5282	0.3535	0.0369923	0.8983428	1.0160137
Mpc2	4.3544	4.4911	2.735	1.2584	2.1624	0.6608	0.0273654	0.8983428	1.5044908
Cnot2	0.2724	0.1415	0.2356	0.0886	0.1138	0.0297	0.04882	0.8983428	1.484583
Ciao2b	7.5376	6.3872	7.9225	0.7065	0.8519	3.6363	0.0148639	0.8983428	2.0723427

Tap1	0.3516	0.5585	0.5519	0.2592	0.2234	0.0509	0.0297916	0.8983428	1.4543831
Skic8	6.2587	4.5452	5.1104	0.9923	1.254	1.128	0.0127581	0.8983428	2.2376635
Gpaa1	0.3687	0.3338	0.4959	0.1558	0.258	0.0472	0.03697	0.8983428	1.3782709
Nrbp1	0.4667	0.5466	0.2777	0.072	0.1159	0.00021	0.0295665	0.8983428	2.7788406
Kif3a	1.6593	1.2932	1.9367	0.8523	0.00021	0.00021	0.0221072	0.8983428	2.5194544
Smarcd2	1.1786	1.081	1.3181	0.5272	0.1281	0.5103	0.0117368	0.8983428	1.6179596
Trim25	2.0815	2.0025	1.3841	0.7171	1.1247	0.8808	0.0340816	0.8983428	1.0060546
Tubgcp2	0.5734	0.4297	0.6078	0.0326	0.0984	0.0438	0.0067431	0.8983428	3.2040898
Krt14	460.3227	302.4657	426.8251	283.0189	203.4778	96.2531	0.0497922	0.8983428	1.0295444
Babam1	0.5941	0.401	0.6887	0.3286	0.00021	0.00021	0.033882	0.8983428	2.3554736
Cox6c	10.2649	6.7558	6.1378	4.739	0.9025	0.205	0.0393877	0.8983428	1.9858967
Nefm	8.209	6.4333	5.0632	0.1548	0.00021	0.6383	0.0168473	0.8983428	4.6345698
Pld4	2.1278	1.7949	1.5455	0.5833	0.4532	1.3067	0.0379018	0.8983428	1.2225859
Gnpda2	2.2671	2.0658	1.9288	1.0394	1.0798	0.6401	0.0035866	0.8983428	1.1822521
Krt5	384.2724	344.1658	282.2532	196.5261	119.4448	57.0815	0.0158067	0.8983428	1.4378924
Sub1	19.8164	16.9459	10.8593	1.9901	8.3483	5.8148	0.0367038	0.8983428	1.5597961
Ndufb8	4.239	3.2628	2.6659	1.8915	1.4389	0.6871	0.0265415	0.8983428	1.3396234

Dido1	0.0482	0.0266	0.038	0.0149	0.00021	0.00021	0.0166392	0.8983428	2.8802789
Cog7	0.1413	0.2311	0.2543	0.0516	0.1136	0.00021	0.0319956	0.8983428	1.9217285
Fkbp15	2.9917	2.4919	2.7146	1.267	1.5007	1.2497	0.0029564	0.8983428	1.0290451
Hexa	5.7472	3.7703	3.9106	0.7478	2.1549	2.5759	0.0357221	0.8983428	1.293376
Atp6v0c	12.633	6.755	9.4777	0.00021	5.2373	0.00021	0.0318962	0.8983428	2.4623454
Dffa	0.3529	0.3741	0.3366	0.00021	0.1731	0.1681	0.0470406	0.8983428	1.6393785
Bloc1s1	1.8546	2.2237	1.0768	0.00021	0.4592	0.6762	0.0373359	0.8983428	2.182533
Aldh4a1	2.9849	1.7898	1.7757	0.00021	0.7927	1.1101	0.0424758	0.8983428	1.7832999
Homer3	0.1668	0.1875	0.089	0.00021	0.0639	0.00021	0.0310597	0.8983428	2.7849441
Septin1	0.1308	0.115	0.0694	0.00021	0.0651	0.00021	0.0441507	0.8983428	2.2662603
Mthfsl	1.0134	0.8191	0.7802	0.00021	0.5092	0.00021	0.0383293	0.8983428	2.3580477
Bcap31	2.2399	2.0405	1.4635	0.00021	0.9623	0.4398	0.0172571	0.8983428	2.0342253
Zc3hav1	0.0323	0.0292	0.0431	0.00021	0.00021	0.0162	0.0139699	0.8983428	2.6538906
Pml	0.1585	0.1601	0.2161	0.00021	0.00021	0.0101	0.0098493	0.8983428	5.6675231
Gspt2	3.6071	2.9387	2.6348	0.00021	0.00021	0.00021	0.008693	0.8983428	13.830949
Hycc1	0.0802	0.124	0.1036	0.00021	0.00021	0.00021	0.014932	0.8983428	8.9324257
Slc25a13	0.2959	0.4542	0.4173	0.00021	0.00021	0.00021	0.0147824	0.8983428	10.85566

Garin2	0.0773	0.033	0.063	0.00021	0.00021	0.00021	0.0477776	0.8983428	8.1037041
Chst12	0.1691	0.1454	0.251	0.00021	0.00021	0.00021	0.0276729	0.8983428	9.8099595
Cd93	0.1134	0.2208	0.1993	0.00021	0.00021	0.00021	0.0324659	0.8983428	9.7259207
Tmem256	0.6804	0.6503	0.7416	0.00021	0.00021	0.00021	0.0015096	0.8983428	11.683593
Tomm22	11.4952	8.6859	6.3584	0.00021	0.00021	0.00021	0.0270429	0.8983428	15.36243
Nipsnap1	5.8337	7.6383	8.9134	0.00021	0.00021	0.00021	0.014035	0.8983428	15.116847
Tbl2	0.6304	0.422	0.3972	0.00021	0.00021	0.00021	0.0226474	0.8983428	11.168015
