

Table SI. All differential expressions of circular RNA.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0084927	-3.126657	5.86E-07	0.00788453	6.19259668
hsa_circ_0029340	4.06211479	2.96E-06	0.01163311	7.45630609
hsa_circ_0035442	-3.1692509	3.92E-06	0.01163311	6.34932537
hsa_circ_0039238	3.26775746	4.00E-06	0.01163311	7.31888664
hsa_circ_0025135	-4.0436149	4.32E-06	0.01163311	8.06939652
hsa_circ_0031594	5.32037472	6.97E-06	0.01339503	9.23906654
hsa_circ_0060937	-2.4438033	1.39E-05	0.0203722	6.5162427
hsa_circ_0029346	2.78875054	2.00E-05	0.0203722	6.2459318
hsa_circ_0030352	-3.6655038	2.24E-05	0.0203722	7.68049033
hsa_circ_0067130	-3.3578752	2.67E-05	0.0203722	9.71352174
hsa_circ_0001626	-2.0039762	2.74E-05	0.0203722	7.17126459
hsa_circ_0072932	2.49146639	2.88E-05	0.0203722	8.22274294
hsa_circ_0005875	3.65973145	3.41E-05	0.02143776	10.2094375
hsa_circ_0022917	-2.4373238	3.73E-05	0.02143776	9.4398098
hsa_circ_0062709	1.92589109	3.99E-05	0.02143776	7.97089762
hsa_circ_0000317	3.34390461	4.19E-05	0.02143776	12.3075442
hsa_circ_0000028	2.17080117	4.24E-05	0.02143776	8.73540099
hsa_circ_0072940	2.8994029	4.33E-05	0.02143776	8.45317076
hsa_circ_0039239	1.86533269	4.59E-05	0.02143776	5.50773423
hsa_circ_0051700	2.00257373	5.31E-05	0.02143776	7.17897546
hsa_circ_0003520	2.95363328	5.66E-05	0.02143776	7.82473042
hsa_circ_0004808	2.3851578	5.99E-05	0.02143776	9.31973257
hsa_circ_0073817	-2.0718546	6.16E-05	0.02143776	6.59897328
hsa_circ_0027491	2.2602009	6.60E-05	0.02143776	10.1234461
hsa_circ_0041915	2.32895369	6.90E-05	0.02143776	7.9388378
hsa_circ_0008491	2.19894997	6.93E-05	0.02143776	7.70057416
hsa_circ_0044065	-2.8543896	7.04E-05	0.02143776	6.82896405
hsa_circ_0062139	-3.3699053	7.36E-05	0.02143776	8.22427764
hsa_circ_0001022	2.72769204	7.43E-05	0.02143776	9.01841876
hsa_circ_0003380	-1.982994	7.44E-05	0.02143776	6.78312783
hsa_circ_0006497	2.00279678	7.68E-05	0.02143776	8.53099861
hsa_circ_0031017	-3.9982315	8.26E-05	0.02143776	7.77508518
hsa_circ_0055095	2.45561157	8.66E-05	0.02143776	8.27215761
hsa_circ_0056285	-2.91854	9.32E-05	0.02143776	8.19783499
hsa_circ_0008529	2.69527708	9.40E-05	0.02143776	9.32828281
hsa_circ_0037100	3.01204529	9.44E-05	0.02143776	7.45646665
hsa_circ_0006232	-2.8678112	9.55E-05	0.02143776	8.72029572
hsa_circ_0037366	-4.3695148	9.64E-05	0.02143776	9.20108979
hsa_circ_0000966	-2.938552	9.84E-05	0.02143776	7.62502636
hsa_circ_0001428	1.62330211	9.84E-05	0.02143776	7.48639748
hsa_circ_0045799	-4.1846792	0.00010087	0.02143776	7.68641352
hsa_circ_0035446	-2.231637	0.00010538	0.02143776	6.19841183
hsa_circ_0081979	2.75580869	0.00010622	0.02143776	6.66809261
hsa_circ_0039857	-3.7676649	0.00010895	0.02143776	9.24043285
hsa_circ_0000416	2.33262787	0.00010927	0.02143776	9.75954509
hsa_circ_0001903	-3.4275989	0.00010979	0.02143776	7.88789233
hsa_circ_0069249	-2.2504196	0.00011078	0.02143776	7.51844093
hsa_circ_0047807	2.18719667	0.00011443	0.02143776	7.01415271
hsa_circ_0001627	-1.8121061	0.00011665	0.02143776	7.61297152
hsa_circ_0056459	-3.8330338	0.0001168	0.02143776	7.93184316
hsa_circ_0057582	2.13318506	0.00011913	0.02143776	8.47852952
hsa_circ_0025887	2.46135505	0.00012374	0.02143776	9.44561228
hsa_circ_0011491	-3.3714411	0.00012421	0.02143776	9.87687338
hsa_circ_0003146	2.30237623	0.00012564	0.02143776	6.10035631
hsa_circ_0035619	2.28891922	0.00012654	0.02143776	7.15130992
hsa_circ_0007192	-4.5576646	0.0001303	0.02143776	9.8029363
hsa_circ_0004121	-4.3773447	0.0001326	0.02143776	11.2319156
hsa_circ_0051778	-3.9807116	0.00013356	0.02143776	9.70072957
hsa_circ_0002151	2.1581364	0.00013521	0.02143776	10.3734497

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0080831	2.83067306	0.00013574	0.02143776	7.88312983
hsa_circ_0068669	-3.3918332	0.00013604	0.02143776	10.0211661
hsa_circ_0001167	-4.8576459	0.0001386	0.02143776	8.84606727
hsa_circ_0004293	1.91466609	0.00014355	0.02143776	9.21214758
hsa_circ_0002383	-3.4850639	0.0001461	0.02143776	8.99853382
hsa_circ_0037104	2.36010152	0.00014902	0.02143776	6.48146684
hsa_circ_0092305	-3.3625795	0.00014995	0.02143776	8.72779179
hsa_circ_0035957	2.20236774	0.00015392	0.02143776	11.0977908
hsa_circ_0008465	2.05110571	0.00015597	0.02143776	8.01689778
hsa_circ_0005240	-1.8735814	0.00015636	0.02143776	6.96053821
hsa_circ_0035445	-4.2093645	0.00016158	0.02143776	8.42973575
hsa_circ_0026426	-2.3466157	0.00016175	0.02143776	6.32825377
hsa_circ_0000507	-2.6757652	0.00016207	0.02143776	7.44967764
hsa_circ_0003988	2.58664061	0.00016921	0.02143776	6.95861758
hsa_circ_0000619	2.00734993	0.00016944	0.02143776	7.63450202
hsa_circ_0000755	-1.910825	0.00017101	0.02143776	6.85334119
hsa_circ_0016726	-2.2342479	0.00017189	0.02143776	6.92901333
hsa_circ_0007850	-3.0405967	0.0001737	0.02143776	10.6201145
hsa_circ_0003517	1.86166971	0.00017988	0.02143776	8.00511202
hsa_circ_0001287	1.53562443	0.00018627	0.02143776	7.06774925
hsa_circ_0063013	-4.4921261	0.00018639	0.02143776	9.37449381
hsa_circ_0018609	-2.4817753	0.00018865	0.02143776	7.45793395
hsa_circ_0037516	-2.4921399	0.00019679	0.02143776	7.50229716
hsa_circ_0000319	3.72066683	0.00019833	0.02143776	10.0125373
hsa_circ_0088200	-2.5435359	0.00020654	0.02143776	7.40325028
hsa_circ_0089558	-2.484951	0.00021627	0.02143776	7.64901072
hsa_circ_0001991	-2.1286175	0.00021641	0.02143776	7.57565871
hsa_circ_0091183	2.23506626	0.00021887	0.02143776	6.33105963
hsa_circ_0000480	-3.3938329	0.00022212	0.02143776	12.0917457
hsa_circ_0005451	1.69616552	0.00022216	0.02143776	6.68093816
hsa_circ_0025768	-3.4575071	0.00022379	0.02143776	8.55230978
hsa_circ_0024615	1.92624943	0.0002249	0.02143776	7.78238384
hsa_circ_0091761	-3.8519369	0.00022694	0.02143776	8.00206058
hsa_circ_0055440	-3.8272904	0.0002301	0.02143776	9.5641767
hsa_circ_0041992	-2.1984101	0.00023375	0.02143776	9.25766343
hsa_circ_0022969	-2.9241324	0.00023777	0.02143776	8.34181512
hsa_circ_0000551	-2.2349803	0.00023907	0.02143776	6.91496758
hsa_circ_0058427	2.14119468	0.00024002	0.02143776	6.98497153
hsa_circ_0046419	-2.8953325	0.00024173	0.02143776	12.5646883
hsa_circ_0056856	-4.7392942	0.00024216	0.02143776	8.6562874
hsa_circ_0000729	-3.3310271	0.00024283	0.02143776	7.39060144
hsa_circ_0014923	2.03794036	0.00024563	0.02143776	6.72913392
hsa_circ_0092299	-2.8745808	0.00024876	0.02143776	12.4928658
hsa_circ_0006562	4.41577012	0.00024966	0.02143776	13.4245153
hsa_circ_0088780	-2.807985	0.00025177	0.02143776	7.88908062
hsa_circ_0029343	3.38494435	0.00025308	0.02143776	6.90854073
hsa_circ_0044013	-3.3522147	0.00025464	0.02143776	9.32697088
hsa_circ_0000431	1.61328449	0.00025766	0.02143776	9.45997925
hsa_circ_0025522	-5.2561386	0.00025772	0.02143776	9.52619353
hsa_circ_0069776	1.68611706	0.00026045	0.02143776	7.11856722
hsa_circ_0001533	-1.6988021	0.00026281	0.02143776	5.60131883
hsa_circ_0030569	-3.996459	0.00026336	0.02143776	10.2109447
hsa_circ_0082547	1.81800947	0.0002645	0.02143776	6.57075065
hsa_circ_0003720	-1.86523	0.00026818	0.02143776	8.66630475
hsa_circ_0031972	2.11022453	0.00026844	0.02143776	7.78717984
hsa_circ_0000785	2.09127385	0.00026919	0.02143776	7.8255934
hsa_circ_0004552	-4.3098487	0.00026965	0.02143776	8.95705525
hsa_circ_0002083	2.20612228	0.00026998	0.02143776	9.95370889
hsa_circ_0043944	-4.2243421	0.00027159	0.02143776	9.66842024

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0000305	-2.5060665	0.00027431	0.02143776	8.43907809
hsa_circ_0003474	2.0487592	0.00027513	0.02143776	7.80183033
hsa_circ_0045179	-2.9398229	0.00027808	0.02143776	7.87275172
hsa_circ_0043943	-4.3790234	0.0002784	0.02143776	9.66914034
hsa_circ_0000976	1.64985877	0.00027986	0.02143776	6.42750956
hsa_circ_0024766	-3.1935177	0.00028079	0.02143776	11.9156559
hsa_circ_0012346	-2.1262606	0.00028361	0.02143776	8.78406022
hsa_circ_0059660	-2.0254179	0.00029087	0.02144784	7.35942197
hsa_circ_0007672	-2.4570765	0.00029543	0.02144784	9.24608651
hsa_circ_0010206	-2.3892767	0.00029545	0.02144784	8.17036814
hsa_circ_0066380	-3.5319873	0.00029555	0.02144784	11.9727664
hsa_circ_0035944	2.47948171	0.00029743	0.02144784	10.2231085
hsa_circ_0007701	-2.0813248	0.00029805	0.02144784	7.39568111
hsa_circ_0077216	-3.4768247	0.00030144	0.02144784	9.52576409
hsa_circ_0027914	1.62212188	0.0003025	0.02144784	9.76671511
hsa_circ_0027470	-4.2767448	0.00030536	0.02144784	11.1202164
hsa_circ_0004555	-1.9558039	0.00030632	0.02144784	7.0669972
hsa_circ_0071736	-2.2673994	0.00030646	0.02144784	6.79052506
hsa_circ_0024490	2.89079076	0.00030919	0.02144784	9.01742845
hsa_circ_0006910	-2.6653826	0.00031125	0.02144784	7.73438166
hsa_circ_0038872	-3.4027434	0.00031383	0.02144784	8.4488199
hsa_circ_0020303	4.46848426	0.00031401	0.02144784	13.3787753
hsa_circ_0006629	1.97441837	0.00031673	0.02144784	10.6330695
hsa_circ_0000055	-3.6576208	0.00031918	0.02144784	8.94225474
hsa_circ_0071989	-5.2368948	0.00032007	0.02144784	10.7550955
hsa_circ_0064687	1.75919333	0.0003204	0.02144784	6.11230939
hsa_circ_0000508	-3.7596836	0.00033034	0.02160516	9.84473393
hsa_circ_0005187	-2.9225317	0.00033293	0.02160516	7.15740901
hsa_circ_0005019	-5.3137071	0.00033436	0.02160516	9.90938872
hsa_circ_0004655	1.27384368	0.0003377	0.02160516	7.33564352
hsa_circ_0000858	-2.8257758	0.00033897	0.02160516	7.47068283
hsa_circ_0003799	2.75675711	0.00035219	0.02160516	6.86618653
hsa_circ_0067127	-3.5939401	0.00035307	0.02160516	8.33447472
hsa_circ_0089761	-2.707953	0.00035358	0.02160516	13.5511717
hsa_circ_0001781	-3.5039278	0.00035382	0.02160516	8.92998846
hsa_circ_0007167	-2.3579469	0.00035418	0.02160516	11.7225035
hsa_circ_0011279	-3.1273952	0.0003571	0.02160516	11.8384198
hsa_circ_0008842	-5.1565891	0.0003587	0.02160516	8.90641413
hsa_circ_0007923	1.56763065	0.00036141	0.02160516	7.17715225
hsa_circ_0077296	-2.2049333	0.00036151	0.02160516	10.4987331
hsa_circ_0001842	2.40338429	0.0003618	0.02160516	7.53804793
hsa_circ_0006296	-5.1558218	0.00036298	0.02160516	9.54748039
hsa_circ_0001873	4.66639863	0.00036619	0.02160516	12.568194
hsa_circ_0012277	-2.1091151	0.00037194	0.02160516	9.27234584
hsa_circ_0000930	-2.479868	0.00037522	0.02160516	10.816815
hsa_circ_0087800	-3.1465939	0.00037733	0.02160516	8.19768471
hsa_circ_0000861	-2.0070582	0.00037847	0.02160516	6.93515618
hsa_circ_0000435	-4.3519675	0.00038541	0.02160516	8.45058036
hsa_circ_0002643	-1.9716057	0.00038628	0.02160516	9.06808766
hsa_circ_0065217	3.6188947	0.00038901	0.02160516	13.763432
hsa_circ_0000273	-4.1363342	0.0003893	0.02160516	8.58338589
hsa_circ_0013071	-2.8544607	0.00039091	0.02160516	6.60189843
hsa_circ_0000059	-2.3206898	0.00039227	0.02160516	7.82524845
hsa_circ_0007841	2.71367883	0.00039305	0.02160516	7.81894069
hsa_circ_0079933	1.74230029	0.00039515	0.02160516	7.17474913
hsa_circ_0001504	1.83268032	0.00039576	0.02160516	9.14836118
hsa_circ_0036103	1.85970502	0.00039664	0.02160516	8.84540127
hsa_circ_0016476	-5.008864	0.00039691	0.02160516	9.6209874
hsa_circ_0063416	1.40679432	0.00039703	0.02160516	6.74818366

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0000201	-2.3047075	0.00040008	0.02160516	6.79760589
hsa_circ_0007481	1.7155056	0.00040109	0.02160516	8.28323458
hsa_circ_0003099	-2.6344767	0.00040394	0.02160516	7.60677975
hsa_circ_0000829	-2.0686163	0.00040421	0.02160516	11.4142586
hsa_circ_0000191	-3.1348951	0.00040906	0.02170445	8.24511519
hsa_circ_0001063	-4.1404955	0.00041272	0.02171614	9.02117167
hsa_circ_0072665	-5.1303936	0.00041806	0.02188287	10.7883455
hsa_circ_0013958	-4.9113692	0.00042067	0.02188287	10.9620834
hsa_circ_0056550	2.29787068	0.00042286	0.02188287	7.25476573
hsa_circ_0041821	-4.9231727	0.00042637	0.02197985	10.3065553
hsa_circ_0000813	-2.6169654	0.00042902	0.02201214	8.46301748
hsa_circ_0033198	-1.7541677	0.00043662	0.0221123	6.65690719
hsa_circ_0001648	1.80427746	0.00044177	0.02215083	10.2466728
hsa_circ_0026467	-1.3638908	0.0004445	0.02215083	6.46079131
hsa_circ_0057360	-1.9002037	0.00044746	0.02221601	8.61627796
hsa_circ_0009435	-2.3590442	0.00045084	0.02230156	8.63928372
hsa_circ_0015107	1.77516281	0.00045367	0.02235933	7.00033733
hsa_circ_0000741	3.76498419	0.00045774	0.02241949	12.9237685
hsa_circ_0090031	-2.10347	0.00046188	0.02241949	5.84130447
hsa_circ_0000301	-4.5541791	0.00046223	0.02241949	9.10378091
hsa_circ_0008672	1.74980609	0.00046691	0.02241949	8.0381289
hsa_circ_0045850	2.52907533	0.00046954	0.02241949	7.62144488
hsa_circ_0012494	2.29551069	0.00047124	0.02241949	8.18128061
hsa_circ_0046298	-1.5144177	0.0004763	0.02241949	6.25661668
hsa_circ_0002861	3.33285027	0.00047784	0.02241949	7.64123475
hsa_circ_0005562	-2.5583397	0.00047926	0.02241949	7.56198924
hsa_circ_0001303	-2.5312531	0.00047969	0.02241949	7.1924369
hsa_circ_0002554	-2.882385	0.00048197	0.02241949	8.01503512
hsa_circ_0055199	-1.7155452	0.00048206	0.02241949	7.98248005
hsa_circ_0052318	-3.9790025	0.00048583	0.02241949	9.80115592
hsa_circ_0021620	2.63213233	0.00048901	0.02241949	9.46321307
hsa_circ_0004662	4.2205186	0.00049263	0.02241949	9.88257824
hsa_circ_0004100	-1.9192877	0.0004935	0.02241949	8.61979145
hsa_circ_0067159	-2.6361326	0.00049553	0.02241949	9.93154002
hsa_circ_0044287	2.17021455	0.00049695	0.02241949	6.92076556
hsa_circ_0069775	2.27218224	0.00050128	0.02241949	9.58406679
hsa_circ_0082546	1.43653526	0.00050382	0.02241949	8.10611246
hsa_circ_0007766	-1.4955433	0.00050498	0.02241949	9.06530518
hsa_circ_0024501	1.52894129	0.00050509	0.02241949	7.84506976
hsa_circ_0087888	-3.1264549	0.00050556	0.02241949	9.48501699
hsa_circ_0031431	-1.6339883	0.00050895	0.02241949	7.75427638
hsa_circ_0081594	-2.0665625	0.00050945	0.02241949	7.01218554
hsa_circ_0005730	-4.3138937	0.00051425	0.0225382	10.3051112
hsa_circ_0055412	-3.791217	0.0005176	0.02261151	7.77529084
hsa_circ_0087008	1.99328075	0.00052044	0.0226305	7.38379074
hsa_circ_0085784	1.59294366	0.00052186	0.0226305	6.07610631
hsa_circ_0066596	-4.0789015	0.00052529	0.0226305	7.76359308
hsa_circ_0000092	-1.8841976	0.0005263	0.0226305	7.86825107
hsa_circ_0002891	1.55407747	0.00052981	0.0226305	9.18521507
hsa_circ_0081481	-5.2962152	0.00053241	0.02264068	9.57049891
hsa_circ_0005964	1.57915531	0.00053545	0.02264068	6.85832479
hsa_circ_0022764	-1.8461788	0.00053866	0.02264068	8.06067566
hsa_circ_0092373	1.53434614	0.00054015	0.02264068	7.26661084
hsa_circ_0026428	-1.6637172	0.00054786	0.0228632	7.42909201
hsa_circ_0009503	-3.1463583	0.00055296	0.0228632	7.71527033
hsa_circ_0056264	-2.2923107	0.00055409	0.0228632	8.21738722
hsa_circ_0007007	1.90173573	0.00055534	0.0228632	7.43921399
hsa_circ_0006751	-2.9946338	0.00055565	0.0228632	7.41789868
hsa_circ_0058792	4.42087975	0.00056188	0.02294826	12.7199042

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0000278	-1.9615791	0.00056227	0.02294826	6.99751973
hsa_circ_0051749	-1.9465469	0.00057277	0.02321258	6.14539956
hsa_circ_0058048	1.52181116	0.00057646	0.02329219	8.64407777
hsa_circ_0089172	-1.8715038	0.00058902	0.02338441	9.20826424
hsa_circ_0058794	4.66816751	0.00059012	0.02338441	12.6093789
hsa_circ_0000740	3.72293342	0.00059021	0.02338441	14.50213
hsa_circ_0034093	-4.3329918	0.00059121	0.02338441	7.73243623
hsa_circ_0042488	1.75843249	0.00059338	0.02338441	7.87034815
hsa_circ_0041382	-2.9244016	0.00059466	0.02338441	8.18454672
hsa_circ_0001737	-2.1344267	0.00059612	0.02338441	7.63066869
hsa_circ_0022767	-1.8962065	0.00059884	0.02342247	7.88854013
hsa_circ_0017077	-2.7706967	0.00060823	0.02354395	8.42632915
hsa_circ_0004928	-2.6445187	0.00061069	0.02354395	7.14496631
hsa_circ_0028602	-1.7982671	0.00061396	0.02360238	8.84744303
hsa_circ_0074623	-2.3702866	0.00061792	0.02368678	8.46224682
hsa_circ_0045751	-1.8786594	0.00062012	0.02370392	8.28468303
hsa_circ_0008816	2.60541562	0.00062483	0.0237869	9.25800311
hsa_circ_0000848	-3.5304192	0.0006306	0.0237869	7.89273829
hsa_circ_0002051	2.14419545	0.00063114	0.0237869	9.35631554
hsa_circ_0081343	-3.5146816	0.00063441	0.0237869	10.7952575
hsa_circ_0053339	1.50662647	0.00063581	0.0237869	7.19314019
hsa_circ_0001625	-2.3260533	0.00063626	0.0237869	7.18287198
hsa_circ_0004405	-2.1693472	0.00063669	0.0237869	6.74773122
hsa_circ_0000063	1.83969688	0.00064027	0.0237869	9.9306576
hsa_circ_0034776	1.30544055	0.00064223	0.0237869	7.207982
hsa_circ_0000947	-4.6170464	0.00064488	0.0237869	9.14855998
hsa_circ_0001397	-5.1852138	0.00064819	0.0237869	10.4551753
hsa_circ_0076598	2.18486672	0.00064865	0.0237869	6.25037638
hsa_circ_0087828	1.59708098	0.00064881	0.0237869	5.66641158
hsa_circ_0006078	-2.9137291	0.0006541	0.02382171	8.0853053
hsa_circ_0000953	-1.6791172	0.00065489	0.02382171	7.17428279
hsa_circ_0026072	-1.5205824	0.00065706	0.02382171	7.65159747
hsa_circ_0059550	-2.0622067	0.00065799	0.02382171	7.32792375
hsa_circ_0015004	3.46433351	0.00066115	0.02382171	14.0352861
hsa_circ_0047688	-1.1916648	0.00066552	0.02382171	5.96898112
hsa_circ_0033572	-3.8365944	0.0006657	0.02382171	12.8913568
hsa_circ_0020097	-2.991714	0.000673	0.02390926	7.07068923
hsa_circ_0087162	1.30052179	0.00067364	0.02390926	7.01419541
hsa_circ_0071935	1.65500134	0.00067556	0.02390926	7.04344804
hsa_circ_0001946	3.46172294	0.00067689	0.02390926	14.5249017
hsa_circ_0000209	1.79005923	0.00067881	0.02390926	8.14531986
hsa_circ_0029554	-2.8345943	0.00068536	0.02394741	9.32240599
hsa_circ_0000123	3.20403252	0.00068599	0.02394741	9.56939441
hsa_circ_0062317	-2.0968538	0.0006902	0.02394741	7.06319008
hsa_circ_0006532	2.1893687	0.00069263	0.02394741	7.12354554
hsa_circ_0072954	2.28431106	0.00069542	0.02394741	6.254304
hsa_circ_0006669	1.24566986	0.00069701	0.02394741	9.83521741
hsa_circ_0018004	-2.6390759	0.00070486	0.02394741	9.11444814
hsa_circ_0050205	-1.9458404	0.00070814	0.02394741	6.95566902
hsa_circ_0023891	2.07570357	0.0007082	0.02394741	8.88857872
hsa_circ_0000788	-5.8006224	0.00070942	0.02394741	10.3135878
hsa_circ_0001596	-4.649782	0.00071236	0.02394741	9.69026885
hsa_circ_0000060	-1.9901511	0.00071617	0.02394741	7.03522444
hsa_circ_0013062	-3.5410044	0.00071915	0.02394741	7.20597173
hsa_circ_0000792	-3.1701154	0.00071917	0.02394741	8.72998902
hsa_circ_0003040	-1.6605013	0.0007223	0.02394741	7.13318471
hsa_circ_0044647	3.06161057	0.00072423	0.02394741	9.17807238
hsa_circ_0002970	-1.8950172	0.00072758	0.02394741	7.60575355
hsa_circ_0079163	1.84647265	0.00073031	0.02394741	8.08016845

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0072732	3.03297355	0.00073143	0.02394741	7.73770481
hsa_circ_0035381	-2.2531067	0.00073278	0.02394741	8.31296658
hsa_circ_0000172	-2.5955569	0.00073537	0.02394741	7.22956893
hsa_circ_0039216	-1.6279874	0.00073764	0.02394741	6.57468462
hsa_circ_0061985	1.36253661	0.00073783	0.02394741	5.92026161
hsa_circ_0090650	-2.4128398	0.0007389	0.02394741	7.93478703
hsa_circ_0007273	-3.2025514	0.00073907	0.02394741	8.16076774
hsa_circ_0053944	-5.8806715	0.00073937	0.02394741	10.8612614
hsa_circ_0003997	-6.2931207	0.0007404	0.02394741	10.3489178
hsa_circ_0000884	2.57987026	0.00074807	0.0241219	6.92192616
hsa_circ_0000036	-3.1550026	0.0007508	0.0241219	8.37526456
hsa_circ_0009502	-2.806643	0.00075118	0.0241219	7.5282431
hsa_circ_0001257	-3.3342489	0.00075651	0.02422398	10.012164
hsa_circ_0006397	-2.6033235	0.00076092	0.02422398	10.2024165
hsa_circ_0049138	-1.876957	0.00076425	0.02422398	8.89844728
hsa_circ_0022989	-3.1194774	0.00076549	0.02422398	6.80134987
hsa_circ_0004872	2.11687627	0.00076628	0.02422398	10.0997018
hsa_circ_0007738	-3.3710879	0.00076837	0.02422398	7.40553164
hsa_circ_0037621	-3.0494834	0.00077034	0.02422398	7.53998028
hsa_circ_0000975	1.41201002	0.00077194	0.02422398	6.96004146
hsa_circ_0074712	1.6180315	0.00077236	0.02422398	7.01038124
hsa_circ_0044185	1.24978119	0.00077589	0.02425459	8.80120713
hsa_circ_0050461	1.39467782	0.00078512	0.02425459	8.50925888
hsa_circ_0032971	-1.6459388	0.00078573	0.02425459	6.10659884
hsa_circ_0092342	-2.9695334	0.00078896	0.02425459	7.62165948
hsa_circ_0000141	-2.6665419	0.00078918	0.02425459	7.63505697
hsa_circ_0001388	-1.34879	0.00078989	0.02425459	6.50964713
hsa_circ_0026337	-3.3152574	0.00079001	0.02425459	10.1776627
hsa_circ_0012787	1.71578163	0.00079495	0.02425459	6.6209775
hsa_circ_0082326	-4.5642351	0.00080038	0.02425459	12.9200337
hsa_circ_0058695	-2.0958903	0.00080059	0.02425459	6.63993352
hsa_circ_0005139	-3.9395562	0.00080259	0.02425459	8.52901157
hsa_circ_0000295	-1.8348193	0.00080689	0.02425459	8.57679674
hsa_circ_0001549	-3.4678935	0.00080738	0.02425459	8.69805412
hsa_circ_0014239	-1.9788701	0.00081059	0.02425459	9.09757604
hsa_circ_0043026	1.51571536	0.00081746	0.02425459	7.41590261
hsa_circ_0063681	-3.5805364	0.00082029	0.02425459	9.70619013
hsa_circ_0023881	1.79052281	0.00082058	0.02425459	10.6042838
hsa_circ_0017412	-2.8568087	0.00082193	0.02425459	9.12988773
hsa_circ_0000286	2.61548489	0.0008255	0.02425459	11.2822954
hsa_circ_0000291	-1.8615792	0.00082685	0.02425459	7.21612549
hsa_circ_0025506	-1.9318674	0.00082741	0.02425459	6.23457273
hsa_circ_0006909	-3.4363666	0.00083045	0.02429068	8.29916868
hsa_circ_0035946	1.97861795	0.00084493	0.02454163	8.84948057
hsa_circ_0087159	2.22188661	0.00084617	0.02454163	8.30563022
hsa_circ_0016771	-2.1257719	0.00084674	0.02454163	8.58802478
hsa_circ_0000314	-4.8058368	0.00084815	0.02454163	9.09568142
hsa_circ_0081751	2.43050831	0.00085262	0.02461808	7.64674022
hsa_circ_0069248	-2.0557996	0.00085783	0.02464604	7.80100051
hsa_circ_0006855	-3.1497889	0.00085846	0.02464604	7.3976592
hsa_circ_0080822	1.44310796	0.00085909	0.02464604	8.02337075
hsa_circ_0085782	2.36087693	0.00086096	0.02464722	6.75078067
hsa_circ_0000979	-3.9640919	0.00086385	0.02467748	9.77311915
hsa_circ_0001513	-2.0640012	0.00086596	0.02468524	8.95378769
hsa_circ_0000253	-5.9028925	0.00086826	0.02469848	10.322992
hsa_circ_0049784	-1.630172	0.00087247	0.02472375	8.81554371
hsa_circ_0051640	-1.7600128	0.00087286	0.02472375	9.36392127
hsa_circ_0053752	2.61346111	0.00087697	0.02472375	8.46740966
hsa_circ_0004077	-5.0101868	0.0008778	0.02472375	10.1142098

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0029375	-2.8814212	0.00087833	0.02472375	7.79863605
hsa_circ_0030788	-1.611306	0.00089364	0.02502636	6.4083697
hsa_circ_0092317	-1.5002275	0.00089676	0.02502636	7.20698885
hsa_circ_0027819	1.3865893	0.00089926	0.02502636	8.90867851
hsa_circ_0068189	1.80174459	0.00089998	0.02502636	9.25888596
hsa_circ_0015513	1.81474478	0.00090024	0.02502636	6.91319795
hsa_circ_0062439	2.23005101	0.00090713	0.02511408	8.91117103
hsa_circ_0001255	-6.0691454	0.00091358	0.02519772	10.2180155
hsa_circ_0003265	-1.7637586	0.00091566	0.02519772	6.02016272
hsa_circ_0043947	-2.8940359	0.00091577	0.02519772	8.01433246
hsa_circ_0082574	2.99254618	0.00092148	0.02526154	8.59834665
hsa_circ_0024190	2.23246469	0.00092184	0.02526154	7.36693312
hsa_circ_0000173	1.7380786	0.00092964	0.02537178	7.25230885
hsa_circ_0005940	2.14312261	0.00093366	0.025403	9.06529191
hsa_circ_0022920	-2.8608943	0.00093456	0.025403	11.6128447
hsa_circ_0009160	1.2936394	0.00094047	0.0254608	6.71687703
hsa_circ_0030958	3.01304295	0.00094575	0.02555231	8.16954292
hsa_circ_0005778	2.99053301	0.00095016	0.0256123	10.6741574
hsa_circ_0003137	2.73524857	0.00095201	0.0256123	9.64441841
hsa_circ_0020926	-3.5723757	0.00095368	0.0256123	9.45683736
hsa_circ_0038844	-2.3950279	0.0009627	0.02574252	10.449167
hsa_circ_0025353	1.72952877	0.00096468	0.02574252	6.34220339
hsa_circ_0004953	1.46034429	0.00096525	0.02574252	7.03391026
hsa_circ_0030453	-1.9120005	0.0009746	0.02591546	8.34995143
hsa_circ_0004389	2.31304494	0.00099479	0.02615539	7.59689888
hsa_circ_0057362	-1.7795299	0.00099571	0.02615539	8.62794585
hsa_circ_0014551	-2.3416756	0.00099928	0.02615539	8.95813254
hsa_circ_0027779	-1.194738	0.00101268	0.02615539	5.66115385
hsa_circ_0003071	1.50271059	0.00101357	0.02615539	9.55938425
hsa_circ_0001734	-2.3067206	0.00101472	0.02615539	7.71402965
hsa_circ_0015240	3.06943156	0.00101571	0.02615539	9.03576826
hsa_circ_0032649	-2.5776795	0.00101741	0.02615539	8.72042751
hsa_circ_0077930	-2.9375666	0.00101844	0.02615539	9.33162474
hsa_circ_0087964	-3.0188039	0.00101856	0.02615539	7.20929879
hsa_circ_0007096	1.92477781	0.00101912	0.02615539	9.35234765
hsa_circ_0049164	-1.2214819	0.00102148	0.02615539	7.46385138
hsa_circ_0000407	-4.7727678	0.00102279	0.02615539	9.54228483
hsa_circ_0006857	-2.9953358	0.00102444	0.02615539	7.96838934
hsa_circ_0005565	1.87444038	0.00103977	0.02644417	9.07817348
hsa_circ_0092367	-6.3368203	0.00104055	0.02644417	10.6489379
hsa_circ_0067938	2.05858527	0.00104165	0.02644417	7.0339303
hsa_circ_0020095	-2.6917933	0.00105061	0.02654374	6.82689243
hsa_circ_0031482	2.1526424	0.00105463	0.02654374	8.11987167
hsa_circ_0071236	1.61395007	0.00105544	0.02654374	7.43195579
hsa_circ_0072492	2.66620353	0.00106633	0.02673031	8.2237404
hsa_circ_0024770	1.92061207	0.00107082	0.02673031	6.43017891
hsa_circ_0082306	-1.9829913	0.00107164	0.02673031	7.2165968
hsa_circ_0062996	-1.532759	0.00107465	0.02673031	6.89230583
hsa_circ_0000256	2.48744968	0.00107676	0.02673031	7.15602448
hsa_circ_0041392	-3.0631746	0.00108629	0.02691712	8.51457952
hsa_circ_0004003	-2.0332267	0.00109138	0.02699354	8.2796398
hsa_circ_0038258	1.47930542	0.00109528	0.02704035	7.58676036
hsa_circ_0000498	2.47176389	0.00109788	0.02705501	6.63046755
hsa_circ_0000259	1.77940055	0.00110273	0.02710256	9.69093675
hsa_circ_0051638	-1.8234277	0.00110384	0.02710256	8.77633919
hsa_circ_0073027	-2.518723	0.00111049	0.02717184	6.80425629
hsa_circ_0038465	1.63099173	0.00111114	0.02717184	8.24490208
hsa_circ_0001693	-4.2624821	0.00111272	0.02717184	10.4613507
hsa_circ_0069086	-1.3578378	0.00111795	0.02724996	8.88772222

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0001565	2.63064049	0.00113101	0.02748452	10.0441971
hsa_circ_0055054	1.48101556	0.00113469	0.02748452	7.80908724
hsa_circ_0005365	2.76235272	0.00113536	0.02748452	7.81366657
hsa_circ_0003527	1.37406703	0.00114383	0.02748452	5.97120885
hsa_circ_0087798	-1.9328982	0.00114414	0.02748452	8.48447902
hsa_circ_0000558	3.06663559	0.00114528	0.02748452	8.30296704
hsa_circ_0004525	-2.3292723	0.0011475	0.02748452	6.9712631
hsa_circ_0070113	-2.5731073	0.00115211	0.02748452	8.34253224
hsa_circ_0092287	-1.9610416	0.00115251	0.02748452	8.0631509
hsa_circ_0001490	-5.1349779	0.0011538	0.02748452	11.3551769
hsa_circ_0008253	-1.8902479	0.00115519	0.02748452	8.33225359
hsa_circ_0004457	1.50121072	0.00115656	0.02748452	10.3478941
hsa_circ_0000001	-3.1135606	0.001158	0.02748452	8.02560955
hsa_circ_0007945	2.52038339	0.00115821	0.02748452	9.0799724
hsa_circ_0079891	2.06470223	0.00116363	0.02756441	7.26719336
hsa_circ_0000037	-1.9135753	0.00116969	0.02765925	7.56802181
hsa_circ_0001054	-1.9008638	0.00117374	0.0276844	6.84576057
hsa_circ_0000634	-1.1777795	0.00117506	0.0276844	6.03703216
hsa_circ_0087961	-3.235452	0.00117812	0.0276844	10.7048594
hsa_circ_0043033	1.39693682	0.00118104	0.0276844	5.75709152
hsa_circ_0049241	-2.4814095	0.0011907	0.02771924	13.5232698
hsa_circ_0001644	-5.0197947	0.00119144	0.02771924	9.37261151
hsa_circ_0082178	1.58940838	0.00119282	0.02771924	11.6714886
hsa_circ_0056048	1.95689709	0.00119598	0.0277447	7.47411692
hsa_circ_0000708	-6.2357703	0.00120102	0.02781373	10.8117368
hsa_circ_0000361	-1.772773	0.00120386	0.02783151	6.65550929
hsa_circ_0051781	-1.5019437	0.00120982	0.02786686	7.46877877
hsa_circ_0054971	-2.1139268	0.00121034	0.02786686	10.06693
hsa_circ_0000287	2.05863228	0.00121351	0.02786686	9.74142154
hsa_circ_0023799	1.37297931	0.00121487	0.02786686	5.92841922
hsa_circ_0000762	1.56870365	0.00121858	0.02788433	6.68945097
hsa_circ_0069029	-1.4258498	0.00122494	0.02788758	8.85235282
hsa_circ_0022983	-2.4968209	0.00122829	0.02791667	7.42284038
hsa_circ_0070948	-1.6091038	0.00123487	0.02792939	7.64401875
hsa_circ_0005203	-1.2284165	0.00123617	0.02792939	6.12846007
hsa_circ_0003018	1.56730091	0.00123673	0.02792939	9.81835757
hsa_circ_0027703	1.68015837	0.00124269	0.02800725	8.15917957
hsa_circ_0007716	2.20634623	0.0012651	0.02816739	8.75113838
hsa_circ_0007878	1.92439782	0.00126571	0.02816739	9.66873044
hsa_circ_0000223	-6.3139206	0.00126651	0.02816739	10.5380887
hsa_circ_0012673	-2.8423184	0.00126797	0.02816739	8.44789556
hsa_circ_0063331	1.88867599	0.00127165	0.02816739	9.99554467
hsa_circ_0008539	1.49866355	0.00127337	0.02816739	7.34945055
hsa_circ_0001605	-6.1485684	0.00127824	0.02816739	11.3613763
hsa_circ_0004717	1.550989	0.00128136	0.02816739	8.816693
hsa_circ_0036423	2.18454799	0.00128611	0.02816739	6.61452528
hsa_circ_0069559	-1.3135356	0.00128746	0.02816739	8.16912293
hsa_circ_0001240	-1.3698497	0.0012882	0.02816739	7.74806837
hsa_circ_0004390	-1.4319412	0.00128892	0.02816739	6.65070161
hsa_circ_0008027	-3.2779053	0.00128923	0.02816739	9.65209577
hsa_circ_0002301	1.82395353	0.00128957	0.02816739	8.62289922
hsa_circ_0052130	-2.0534197	0.00129187	0.02817188	6.34431754
hsa_circ_0000536	-1.6132701	0.00130038	0.02818327	8.6275041
hsa_circ_0000112	-2.2847946	0.00130146	0.02818327	7.05719596
hsa_circ_0009244	-1.6097336	0.00130549	0.02818327	7.77902738
hsa_circ_0022392	1.27849073	0.00130639	0.02818327	7.60914479
hsa_circ_0018992	2.68924719	0.00130768	0.02818327	7.4579153
hsa_circ_0001768	-1.6627237	0.00130926	0.02818327	6.62696791
hsa_circ_0005874	2.77564034	0.00130972	0.02818327	7.3399972

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0087960	-3.3075348	0.00131171	0.02818327	10.7556701
hsa_circ_0000320	2.57609939	0.00131333	0.02818327	11.1153935
hsa_circ_0029696	1.7408214	0.00131578	0.02819078	12.7730639
hsa_circ_0083369	-1.429497	0.00134462	0.02864953	8.87719468
hsa_circ_0002642	2.17665712	0.00134687	0.02864953	8.04954974
hsa_circ_0002111	-2.7600717	0.0013478	0.02864953	8.20533792
hsa_circ_0007211	1.5784319	0.00135503	0.02868042	11.8146792
hsa_circ_0016598	-1.5554765	0.00135569	0.02868042	7.9609378
hsa_circ_0002649	2.00399076	0.00136107	0.02874909	9.18187989
hsa_circ_0000945	-2.1677022	0.00136953	0.02882607	7.85121385
hsa_circ_0087962	-3.1773516	0.00137464	0.02882607	10.7136467
hsa_circ_0000374	-3.7354793	0.00137546	0.02882607	8.3454701
hsa_circ_0006169	-4.4727051	0.00137986	0.02882607	10.0185683
hsa_circ_0002938	1.97505904	0.00138369	0.02882607	9.16610452
hsa_circ_0056370	1.13880637	0.00138901	0.02882607	5.61396905
hsa_circ_0046948	-1.7437915	0.00139031	0.02882607	5.78378724
hsa_circ_0001968	4.89300346	0.00139273	0.02882607	11.5907148
hsa_circ_0005198	-2.6193808	0.00139276	0.02882607	9.04564578
hsa_circ_0039219	-1.8771461	0.00139471	0.02882607	7.21322263
hsa_circ_0065223	-1.3256007	0.00140423	0.02893405	6.5483375
hsa_circ_0003438	-2.2249474	0.00141011	0.02901074	7.88806048
hsa_circ_0001888	-2.612033	0.00141343	0.02903466	7.34469042
hsa_circ_0000548	-2.7887898	0.00142535	0.02913284	6.81254483
hsa_circ_0000927	-1.6106209	0.00142687	0.02913284	7.10456905
hsa_circ_0009048	1.43686528	0.00143118	0.0291766	6.58192478
hsa_circ_0074183	-2.2277456	0.00144018	0.02922739	7.35921655
hsa_circ_0085918	-1.7906333	0.00144127	0.02922739	6.39031272
hsa_circ_0073805	-2.3538758	0.00144289	0.02922739	6.39564156
hsa_circ_0066950	-1.9649607	0.0014507	0.02922739	6.11267045
hsa_circ_0029426	-4.4999071	0.00145211	0.02922739	10.4718634
hsa_circ_0061206	-1.7681762	0.00145322	0.02922739	5.60217846
hsa_circ_0073030	-2.3369972	0.0014618	0.02931241	8.46021547
hsa_circ_0021647	1.56399035	0.00146398	0.02931241	11.9657184
hsa_circ_0061346	1.70984219	0.00146399	0.02931241	10.507881
hsa_circ_0004608	1.50376354	0.00147116	0.02941228	6.04805662
hsa_circ_0035277	-5.2894383	0.00147347	0.02941466	11.6160936
hsa_circ_0004135	-3.3688935	0.00149832	0.02973427	10.5112569
hsa_circ_0092273	-1.4144099	0.00150163	0.02975607	6.76777079
hsa_circ_0000973	-1.8700378	0.00151055	0.02984509	8.3556791
hsa_circ_0003454	2.55225285	0.0015203	0.02997583	9.99530724
hsa_circ_0092354	-2.8646131	0.00152169	0.02997583	6.59509971
hsa_circ_0054220	-1.497073	0.00154168	0.03028223	8.26845198
hsa_circ_0006606	-2.0609009	0.00155141	0.03038468	12.1237703
hsa_circ_0043602	-3.2768966	0.00155641	0.03043824	8.18391365
hsa_circ_0030998	1.88582434	0.00156154	0.03049418	12.4807088
hsa_circ_0077816	1.33916029	0.00156571	0.03053135	7.37152464
hsa_circ_0002805	-1.3694622	0.00156975	0.0305587	8.02588329
hsa_circ_0069227	2.27462495	0.00157224	0.0305587	8.1011586
hsa_circ_0024379	-1.2545416	0.00157567	0.0305587	6.83992567
hsa_circ_0001704	-1.2486077	0.00157862	0.03056172	6.03852237
hsa_circ_0008344	-3.3803354	0.00158259	0.03059449	10.2334822
hsa_circ_0006295	2.31947656	0.00158697	0.03063341	10.0167671
hsa_circ_0035435	-2.56882	0.00159258	0.03065542	7.43589976
hsa_circ_0066378	-2.3552658	0.00160326	0.03071171	7.64555173
hsa_circ_0030431	4.48893154	0.00160441	0.03071171	11.6902495
hsa_circ_0039844	1.76005016	0.0016054	0.03071171	7.13006384
hsa_circ_0022382	1.93807644	0.00160669	0.03071171	7.9647652
hsa_circ_0041252	-1.3816773	0.00161149	0.03071171	6.9738507
hsa_circ_0044249	1.98160115	0.00161258	0.03071171	7.82250517

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0053642	2.6373139	0.00161327	0.03071171	8.09728801
hsa_circ_0005921	1.55283746	0.00161452	0.03071171	11.6405884
hsa_circ_0008138	1.83767539	0.00161605	0.03071171	6.9244629
hsa_circ_0092361	-1.5362546	0.00162307	0.03077861	7.70030956
hsa_circ_0059151	-1.7363581	0.00162639	0.03077861	6.47929757
hsa_circ_0041905	1.24477391	0.001631	0.03077861	5.69112721
hsa_circ_0008729	-1.8689757	0.00163726	0.03085332	9.20256301
hsa_circ_0034642	-5.7963555	0.00164177	0.0308746	11.4621417
hsa_circ_0021553	-2.1403601	0.00164852	0.03093558	6.7770291
hsa_circ_0000207	-2.250885	0.00165739	0.03103454	6.67119
hsa_circ_0038020	1.77649198	0.00166054	0.03103454	6.45278994
hsa_circ_0002998	1.72096453	0.00166071	0.03103454	11.2114568
hsa_circ_0022245	-1.3681989	0.00166364	0.03104613	6.49569798
hsa_circ_0001528	2.50817863	0.00167569	0.03117178	7.02833913
hsa_circ_0005514	1.73559074	0.00168247	0.03118129	8.50863386
hsa_circ_0079385	-5.563341	0.00168679	0.03121841	11.5063741
hsa_circ_0025513	1.85493084	0.00169473	0.03127931	12.1890239
hsa_circ_0043122	1.59623259	0.00171038	0.0315248	6.83843271
hsa_circ_0000703	1.63520446	0.00171417	0.03152789	6.90005034
hsa_circ_0007145	1.5803929	0.00171523	0.03152789	6.40514854
hsa_circ_0063725	-1.557498	0.00172067	0.03157921	6.2570531
hsa_circ_0000125	1.95069849	0.00172725	0.03157921	6.28969172
hsa_circ_0091652	2.11058866	0.0017282	0.03157921	7.26611033
hsa_circ_0006652	-1.5163543	0.00173084	0.03157921	7.39495661
hsa_circ_0001667	-2.0120868	0.0017321	0.03157921	9.35269607
hsa_circ_0005752	-3.3759373	0.00173898	0.03166175	8.08471831
hsa_circ_0001171	-2.0354424	0.00174274	0.03168726	7.24353063
hsa_circ_0003859	-1.5718295	0.00174589	0.03170166	7.79546061
hsa_circ_0004913	1.18573551	0.00175075	0.03171151	5.9687042
hsa_circ_0066147	-1.4345252	0.00175847	0.03175867	9.34821146
hsa_circ_0006230	1.56472004	0.00176695	0.03182446	7.01109058
hsa_circ_0066869	-3.3508076	0.00176849	0.03182446	10.4654023
hsa_circ_0052131	-1.9237564	0.00176921	0.03182446	7.26743938
hsa_circ_0020622	-1.3575255	0.00177339	0.03185709	6.4457715
hsa_circ_0000765	-2.7445641	0.00177747	0.03188777	6.8628903
hsa_circ_0037422	-1.560175	0.00178107	0.03190983	8.79175275
hsa_circ_0009166	1.55485558	0.00178592	0.03195425	6.46216143
hsa_circ_0000323	-2.5454877	0.00179589	0.03196253	7.15073395
hsa_circ_0009654	-2.0760788	0.00179989	0.03199149	7.63474755
hsa_circ_0035436	-2.8491393	0.0018068	0.03207188	7.21246818
hsa_circ_0054339	2.61127791	0.00181655	0.03220256	6.43561031
hsa_circ_0002677	1.27673472	0.00182212	0.03225877	7.54736381
hsa_circ_0005881	-1.5370748	0.00182544	0.03226763	9.00987021
hsa_circ_0062593	-1.3993111	0.00182742	0.03226763	6.6981452
hsa_circ_0081069	-1.8421034	0.00184397	0.03235459	8.44215182
hsa_circ_0075504	-1.9100308	0.00184536	0.03235459	8.60864254
hsa_circ_0008835	-1.3811775	0.00184606	0.03235459	7.57656295
hsa_circ_0092364	-2.121509	0.00184839	0.03235459	6.72784021
hsa_circ_0010402	1.53115334	0.00185022	0.03235459	7.59182644
hsa_circ_0018224	1.50301482	0.00185148	0.03235459	11.7003678
hsa_circ_0005282	2.12377677	0.00185364	0.03235459	7.47477795
hsa_circ_0006712	1.93220453	0.00185472	0.03235459	6.20818734
hsa_circ_0015278	-5.0228338	0.00185689	0.03235459	11.7537416
hsa_circ_0042088	1.72093301	0.00186076	0.03235459	6.72752551
hsa_circ_0004422	1.74653905	0.00186609	0.03235459	9.88732337
hsa_circ_0044603	-1.4223412	0.0018697	0.03235459	8.60665136
hsa_circ_0036315	-1.4969344	0.00186991	0.03235459	8.03202931
hsa_circ_0002615	2.58318813	0.00187546	0.03235459	10.6491955
hsa_circ_0029762	1.80275413	0.00187849	0.03235459	7.20896851

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0070037	1.6006633	0.00187877	0.03235459	8.55146889
hsa_circ_0092360	-6.3490596	0.00187963	0.03235459	11.1188932
hsa_circ_0007308	2.32666998	0.00188044	0.03235459	9.14809383
hsa_circ_0001216	-1.4177399	0.00188797	0.0324014	8.83681612
hsa_circ_0044301	1.25654792	0.00189778	0.03252038	9.49823135
hsa_circ_0004183	-2.5516414	0.00189993	0.03252038	9.5143726
hsa_circ_0009051	1.24711238	0.00190663	0.03252038	6.39068938
hsa_circ_0082179	1.56452232	0.00191187	0.03256225	12.0016112
hsa_circ_0007112	1.26620693	0.00192291	0.03262579	7.77800301
hsa_circ_0052867	1.70027686	0.00192833	0.03262579	11.1181783
hsa_circ_0001818	-5.0314314	0.00193216	0.03262579	11.3512822
hsa_circ_0058518	1.99154215	0.00193398	0.03262579	7.85894094
hsa_circ_0036621	1.30444261	0.00193454	0.03262579	8.85055522
hsa_circ_0075503	-2.3227274	0.00193548	0.03262579	9.06108366
hsa_circ_0037866	4.60939644	0.00193599	0.03262579	11.6246819
hsa_circ_0045556	-2.1005347	0.0019396	0.03262579	7.4068014
hsa_circ_0038480	1.8049455	0.00194118	0.03262579	7.32379141
hsa_circ_0068040	1.81858294	0.0019448	0.03262579	8.28238772
hsa_circ_0087255	1.83121032	0.00194955	0.03262579	6.24134023
hsa_circ_0060491	1.89940114	0.00195887	0.03274119	10.5144673
hsa_circ_0000409	1.54948075	0.00196384	0.03277874	7.04665454
hsa_circ_0025767	-1.8620399	0.00196622	0.03277874	6.86541356
hsa_circ_0088036	-1.3281269	0.0019711	0.03277874	10.1291317
hsa_circ_0064802	1.70928932	0.00197574	0.03277874	8.78255718
hsa_circ_0032535	-1.3501311	0.00198338	0.03286492	7.53752033
hsa_circ_0092333	-1.5873078	0.00199111	0.03286994	8.07275786
hsa_circ_0065702	-1.6167487	0.00199322	0.03286994	7.73102631
hsa_circ_0038639	-1.6092932	0.00199345	0.03286994	7.65880363
hsa_circ_0000714	-2.247767	0.00199867	0.03291565	7.94106154
hsa_circ_0079926	1.45581131	0.00200222	0.03292993	11.3155565
hsa_circ_0017280	-1.4240607	0.0020097	0.03292993	7.54132771
hsa_circ_0004619	-2.4235107	0.00201322	0.03292993	9.95897806
hsa_circ_0008321	1.35477291	0.00202033	0.03298972	7.39728305
hsa_circ_0049785	-1.4467525	0.00202822	0.0330465	7.8777479
hsa_circ_0031282	-1.4028011	0.00203248	0.0330465	6.29026781
hsa_circ_0065220	-1.2359496	0.00203701	0.0330465	6.61131511
hsa_circ_0001296	-5.4003088	0.00203987	0.0330465	12.3398285
hsa_circ_0006002	-1.7649364	0.0020452	0.0330465	9.42222346
hsa_circ_0008856	-1.2279152	0.00204694	0.0330465	8.63811797
hsa_circ_0009181	1.54075614	0.00205139	0.0330465	11.5848608
hsa_circ_0028173	-1.9539901	0.00205177	0.0330465	10.2691875
hsa_circ_0015170	1.90152916	0.00205516	0.0330465	5.91798829
hsa_circ_0001033	-2.5647347	0.00205758	0.0330465	6.86167715
hsa_circ_0004350	2.62717348	0.00205929	0.0330465	8.42908419
hsa_circ_0046263	1.78412351	0.00206507	0.0330465	10.3063272
hsa_circ_0000895	-3.8879111	0.0020679	0.0330465	8.66099688
hsa_circ_0033049	-1.5752796	0.00207047	0.0330465	7.61896529
hsa_circ_0018659	-2.3056858	0.00207554	0.0330562	7.15017289
hsa_circ_0070739	1.25380792	0.00207718	0.0330562	9.62065609
hsa_circ_0003596	4.73988966	0.00208655	0.03314586	11.0533374
hsa_circ_0048977	-3.2341407	0.00210143	0.03323353	13.1349415
hsa_circ_0007513	-1.4328766	0.00210195	0.03323353	6.59297909
hsa_circ_0021529	-1.7947304	0.00210742	0.03328096	10.3335903
hsa_circ_0001595	-1.9569547	0.00211381	0.03330922	8.77747093
hsa_circ_0000662	-2.1010187	0.00211537	0.03330922	6.59498768
hsa_circ_0000742	-5.697877	0.00212098	0.03330922	11.659943
hsa_circ_0056159	-1.562893	0.00213077	0.03337548	7.11181465
hsa_circ_0007990	-1.5874908	0.00213395	0.03338218	7.03437207
hsa_circ_0002211	3.11827126	0.00213616	0.03338218	11.2869441

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0082626	1.22744882	0.0021592	0.03362511	5.77092598
hsa_circ_0001204	-5.6388216	0.00216725	0.03368145	11.3606842
hsa_circ_0092363	-1.307016	0.00216783	0.03368145	7.86984267
hsa_circ_0001914	2.06886117	0.00218202	0.03385661	6.34712047
hsa_circ_0001429	1.23513781	0.00218425	0.03385661	5.95941099
hsa_circ_0005243	1.10062447	0.00218665	0.03385661	6.76667815
hsa_circ_0054318	-3.8275464	0.00220013	0.03402609	9.20845418
hsa_circ_0050867	-3.1854579	0.00221501	0.03412242	11.5238697
hsa_circ_0005889	1.97356876	0.00222218	0.03412242	10.5238477
hsa_circ_0000696	-2.1097195	0.00222272	0.03412242	8.4557347
hsa_circ_0091722	-2.4781079	0.00222447	0.03412242	8.29322053
hsa_circ_0008152	1.71548015	0.00222535	0.03412242	6.55547164
hsa_circ_0060627	2.30451811	0.00222664	0.03412242	7.57135517
hsa_circ_0001542	2.69647852	0.00223311	0.03414084	9.07089091
hsa_circ_0034325	-1.4493817	0.00223671	0.03414084	8.11798036
hsa_circ_0042451	1.42350713	0.00224142	0.03414084	6.99969449
hsa_circ_0000780	1.41551186	0.00224514	0.03414084	6.86237939
hsa_circ_0061687	2.49042936	0.00224682	0.03414084	7.50833448
hsa_circ_0001145	-1.3606411	0.00224889	0.03414084	7.05075263
hsa_circ_0062746	1.63415198	0.00224916	0.03414084	7.90326403
hsa_circ_0024829	1.75694665	0.0022518	0.03414084	6.87312965
hsa_circ_0079800	1.98122502	0.00225903	0.03419042	6.75495638
hsa_circ_0011286	-2.5426201	0.00226509	0.0342052	10.3794238
hsa_circ_0048963	2.4792497	0.0022685	0.03421828	7.30902519
hsa_circ_0000926	1.19876923	0.00227698	0.03424554	9.54345444
hsa_circ_0005008	-4.3364853	0.00228133	0.03424554	12.3326321
hsa_circ_0007591	1.41941536	0.0022827	0.03424554	10.6410925
hsa_circ_0008797	-2.7374452	0.00228341	0.03424554	10.9134684
hsa_circ_0069340	2.41675496	0.00228838	0.03424933	10.8818799
hsa_circ_0069338	2.54370232	0.00229576	0.03428345	10.6371054
hsa_circ_0000299	2.42219383	0.0023016	0.0343326	6.72268382
hsa_circ_0069922	1.35746113	0.00232051	0.03450801	6.08622442
hsa_circ_0007215	-1.5332311	0.00232815	0.03457528	6.92772021
hsa_circ_0027035	1.38140344	0.00233142	0.03457599	8.92451601
hsa_circ_0038111	-1.4968705	0.00233333	0.03457599	9.46253679
hsa_circ_0000931	2.53988882	0.00233971	0.0345972	7.83104805
hsa_circ_0004672	1.89063581	0.00234421	0.0345972	9.32915138
hsa_circ_0084984	-3.6281445	0.00234536	0.0345972	10.1308166
hsa_circ_0005178	2.95356832	0.00235177	0.03462047	10.6751529
hsa_circ_0005813	1.93045659	0.00236067	0.0347074	9.42242291
hsa_circ_0044370	-3.5629845	0.00236338	0.0347074	9.27765551
hsa_circ_0030045	-2.7458583	0.00236542	0.0347074	6.77819251
hsa_circ_0000686	-1.6392916	0.0023852	0.03492457	9.08643544
hsa_circ_0001409	2.18827738	0.00238541	0.03492457	7.29023117
hsa_circ_0017873	2.19282202	0.00240186	0.03508906	6.64643239
hsa_circ_0002792	-1.3938225	0.00240713	0.03512791	7.1902365
hsa_circ_0051041	-1.1380669	0.0024118	0.03514953	6.33096145
hsa_circ_0059536	1.84607676	0.00242031	0.03520569	8.02506919
hsa_circ_0065908	1.36641975	0.00243396	0.03529327	7.05173868
hsa_circ_0002300	2.61824988	0.00243426	0.03529327	9.34067889
hsa_circ_0081672	-1.3350142	0.00244193	0.03529327	8.51120786
hsa_circ_0063503	-1.6606288	0.00244383	0.03529327	6.57252874
hsa_circ_0001058	1.71699046	0.00244391	0.03529327	9.28090439
hsa_circ_0007022	-1.9227168	0.00244729	0.03529327	8.37119045
hsa_circ_0003748	-6.2645287	0.00244731	0.03529327	12.0400573
hsa_circ_0075912	-1.279184	0.00245551	0.03534534	7.57437144
hsa_circ_0021652	1.36004539	0.00245938	0.03534534	12.03464
hsa_circ_0059711	-1.5213712	0.00245975	0.03534534	7.32548532
hsa_circ_0024758	2.01652378	0.00246143	0.03534534	8.95288548

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0044171	-1.1926104	0.00247117	0.0354473	6.41785826
hsa_circ_0023016	-5.3884459	0.00247665	0.03548803	11.553978
hsa_circ_0076040	-1.6726054	0.00248256	0.03553496	6.9774949
hsa_circ_0001874	-2.0659792	0.00248662	0.03555519	7.67072823
hsa_circ_0064753	1.35373249	0.00250288	0.0356032	6.80709988
hsa_circ_0009127	-2.0305277	0.00250389	0.0356032	6.94767234
hsa_circ_0001612	1.69059154	0.00251033	0.0356032	9.40633718
hsa_circ_0000122	-2.1258151	0.00251112	0.0356032	14.8827487
hsa_circ_0011450	1.19365247	0.0025115	0.0356032	6.13823763
hsa_circ_0053535	2.01668646	0.00251204	0.0356032	6.40503512
hsa_circ_0008704	1.83851586	0.00251208	0.0356032	8.69820974
hsa_circ_0077817	1.75125646	0.00251838	0.0356032	8.0351568
hsa_circ_0001130	-2.7417085	0.00251843	0.0356032	9.79186569
hsa_circ_0004891	-1.7344414	0.00251967	0.0356032	8.69995806
hsa_circ_0002699	2.34903879	0.00252714	0.0356032	9.18206934
hsa_circ_0082865	-1.1502795	0.00255348	0.0356032	6.94778877
hsa_circ_0087352	1.7974562	0.00255443	0.0356032	10.3843725
hsa_circ_0073810	-1.7820848	0.00256548	0.0356032	6.34197902
hsa_circ_0041154	-1.7967468	0.00256574	0.0356032	7.01523988
hsa_circ_0004851	2.01079342	0.00256667	0.0356032	10.4443642
hsa_circ_0000086	-4.5257429	0.00256745	0.0356032	9.40517284
hsa_circ_0068478	-1.4579819	0.00256966	0.0356032	9.61288823
hsa_circ_0073993	1.82203531	0.00256989	0.0356032	8.55701131
hsa_circ_0001047	-1.4276894	0.00257036	0.0356032	7.8598432
hsa_circ_0089494	1.42635331	0.00257296	0.0356032	7.7241345
hsa_circ_0023304	2.56194839	0.0025731	0.0356032	10.1352675
hsa_circ_0047086	-1.0881111	0.00257953	0.0356032	6.72607074
hsa_circ_0073997	1.99575935	0.00258077	0.0356032	8.51739785
hsa_circ_0063745	-1.0199514	0.00258084	0.0356032	5.74446225
hsa_circ_0011977	-1.8597197	0.00258129	0.0356032	10.9493327
hsa_circ_0053829	2.46506461	0.00258384	0.0356032	8.93084356
hsa_circ_0007138	1.22390584	0.00258523	0.0356032	6.73882456
hsa_circ_0003315	1.62621502	0.00259068	0.03564167	11.4617929
hsa_circ_0024231	3.09500282	0.00260185	0.03568729	7.6651058
hsa_circ_0001018	1.43523035	0.00260387	0.03568729	8.75826795
hsa_circ_0052863	1.56311262	0.0026046	0.03568729	5.70925555
hsa_circ_0001819	-3.6007722	0.0026172	0.03577736	11.7026553
hsa_circ_0017202	1.42986776	0.00261951	0.03577736	11.3787734
hsa_circ_0000403	-1.3506122	0.00262973	0.03577736	6.41116321
hsa_circ_0005916	-2.0191851	0.00263126	0.03577736	7.92435414
hsa_circ_0001166	-1.7518912	0.00263315	0.03577736	6.7788809
hsa_circ_0025056	-2.095612	0.00263511	0.03577736	8.35041474
hsa_circ_0000972	-1.6109927	0.00264164	0.03578296	9.22320803
hsa_circ_0003949	-1.5334155	0.0026435	0.03578296	7.19235738
hsa_circ_0005221	1.3798888	0.00265459	0.03582561	7.34849196
hsa_circ_0005414	-1.3011232	0.00265531	0.03582561	8.36244387
hsa_circ_0006177	1.33070559	0.00265855	0.03582561	6.44931032
hsa_circ_0058528	2.06568764	0.0026621	0.03582561	6.65169698
hsa_circ_0091419	-2.0679172	0.00267402	0.03582561	10.1285683
hsa_circ_0002607	1.45416785	0.00267571	0.03582561	8.93574637
hsa_circ_0085976	-1.2898283	0.00267608	0.03582561	6.2311531
hsa_circ_0069574	-1.5643507	0.00267698	0.03582561	7.39954384
hsa_circ_0018015	1.36834469	0.0026788	0.03582561	6.05074148
hsa_circ_0042986	1.28391746	0.00268589	0.03582561	8.26413218
hsa_circ_0002969	-1.3459926	0.00268612	0.03582561	7.18170778
hsa_circ_0081723	-1.3163951	0.00269651	0.03588683	8.59962821
hsa_circ_0061817	-3.9624445	0.00270858	0.0360118	11.6088513
hsa_circ_0004667	-1.1410956	0.00271478	0.03605056	7.07729959
hsa_circ_0036211	1.81940316	0.00271685	0.03605056	6.55822881

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0004773	1.64069931	0.00273267	0.03618903	8.94112795
hsa_circ_0050263	3.21948075	0.00274328	0.03622274	10.5632607
hsa_circ_0036398	1.36148493	0.00274808	0.0362441	8.16860653
hsa_circ_0033184	2.21031764	0.00275917	0.03632544	7.25444283
hsa_circ_0001062	2.46352459	0.00276418	0.03635581	10.2446171
hsa_circ_0007334	-1.5564229	0.00277399	0.03638778	10.3886675
hsa_circ_0092276	-1.3456594	0.00277859	0.03638778	6.43198906
hsa_circ_0000751	-1.4738335	0.00278013	0.03638778	8.97460711
hsa_circ_0001275	-2.2504458	0.00278411	0.03638778	12.5403286
hsa_circ_0001812	1.28013469	0.00278754	0.03638778	6.20015104
hsa_circ_0054404	3.21022631	0.00278795	0.03638778	8.79894071
hsa_circ_0044251	1.98380362	0.0027917	0.03638778	9.81490237
hsa_circ_0008755	2.0827189	0.00279299	0.03638778	8.98304586
hsa_circ_0000883	1.54050379	0.00279456	0.03638778	6.57316498
hsa_circ_0011107	-1.2383657	0.00279728	0.03638778	6.55834769
hsa_circ_0001128	-1.1759242	0.00279906	0.03638778	6.7501207
hsa_circ_0004370	-1.6236637	0.00280562	0.03639728	7.27731155
hsa_circ_0073848	1.52382459	0.00280882	0.03639728	6.23069653
hsa_circ_0004840	1.67737271	0.00281552	0.03639728	9.93453292
hsa_circ_0001208	-2.8335543	0.00281588	0.03639728	9.12230044
hsa_circ_0000106	1.6629058	0.00281734	0.03639728	8.20758932
hsa_circ_0005182	-2.6735628	0.00281767	0.03639728	7.3898553
hsa_circ_0057551	1.93220707	0.00282029	0.03639728	8.75588738
hsa_circ_0072430	1.78596624	0.00282143	0.03639728	9.08375438
hsa_circ_0032462	2.88069456	0.00282459	0.03640266	7.31566206
hsa_circ_0086447	1.37921533	0.00282726	0.03640266	8.85915974
hsa_circ_0082580	2.8700739	0.0028324	0.03643399	8.73561166
hsa_circ_0037681	2.67005633	0.00284696	0.0365863	8.76133625
hsa_circ_0058191	-1.5479043	0.00285561	0.03666245	6.88981808
hsa_circ_0074595	1.62377724	0.00286374	0.03672354	8.84979595
hsa_circ_0072490	3.15708942	0.00286583	0.03672354	7.99973461
hsa_circ_0005230	-2.537109	0.00288961	0.03690198	8.21499689
hsa_circ_0057090	1.96291717	0.00289235	0.03690198	9.98372057
hsa_circ_0019875	-1.4256665	0.00289347	0.03690198	7.88889225
hsa_circ_0017562	2.02270746	0.00290039	0.03695524	7.65853308
hsa_circ_0071129	1.41344642	0.00290535	0.03698341	7.06352612
hsa_circ_0074243	1.1983722	0.00291748	0.03703563	8.18704707
hsa_circ_0006528	3.71584994	0.00291807	0.03703563	10.9894826
hsa_circ_0028595	-1.283516	0.00292046	0.03703563	7.0431772
hsa_circ_0062415	-1.2015478	0.00292464	0.03704478	8.48913587
hsa_circ_0079381	-1.9023064	0.00292669	0.03704478	7.04601757
hsa_circ_0052165	-1.6048984	0.00293754	0.0371224	8.76432799
hsa_circ_0019032	1.4274	0.00293834	0.0371224	7.72326488
hsa_circ_0091223	-3.0567275	0.00297294	0.03738284	10.7993394
hsa_circ_0007746	1.28639989	0.00297968	0.03738284	5.95755805
hsa_circ_0000562	1.25959877	0.00298166	0.03738284	6.96778826
hsa_circ_0074806	1.29251629	0.00298261	0.03738284	5.99914382
hsa_circ_0005013	1.59050937	0.0029838	0.03738284	7.26804375
hsa_circ_0045871	-1.6339615	0.00298473	0.03738284	8.32267577
hsa_circ_0027493	1.82664433	0.00298567	0.03738284	8.7091128
hsa_circ_0031027	1.17511871	0.00298719	0.03738284	7.78684291
hsa_circ_0027776	1.73339045	0.00298727	0.03738284	6.95156794
hsa_circ_0000732	-1.2550388	0.00299699	0.03744155	7.66323675
hsa_circ_0006989	1.72058033	0.00300376	0.03749127	6.52767849
hsa_circ_0000333	-1.5132603	0.0030088	0.03751933	6.28376211
hsa_circ_0006543	2.29102208	0.00301882	0.03760946	9.59360372
hsa_circ_0010027	-1.3532559	0.00302651	0.03764473	8.70465445
hsa_circ_0035943	1.54403213	0.00303004	0.03764473	7.55567436
hsa_circ_0009349	1.31013263	0.00305043	0.03780079	6.9416468

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0002113	1.67849443	0.00305105	0.03780079	12.3194503
hsa_circ_0018529	-1.8646658	0.00305587	0.03780079	9.55306815
hsa_circ_0069335	2.02300696	0.00305665	0.03780079	9.19735478
hsa_circ_0007106	2.16619689	0.00306419	0.03785414	8.00364059
hsa_circ_0016459	-2.6128668	0.00307944	0.03797788	8.04851348
hsa_circ_0057588	1.73281785	0.00308775	0.03804555	6.96061922
hsa_circ_0073992	1.40604851	0.00310612	0.03813219	6.72103612
hsa_circ_0001820	1.45309241	0.00311816	0.03824502	7.00636639
hsa_circ_0051123	-1.0255923	0.00312375	0.0382495	6.13806762
hsa_circ_0008332	1.35616974	0.00312525	0.0382495	6.71054695
hsa_circ_0020390	-2.9382853	0.00313435	0.03830396	9.31532767
hsa_circ_0009524	1.4424	0.00313964	0.03833382	8.08342963
hsa_circ_0074944	-2.5338875	0.00315332	0.0384454	10.5136358
hsa_circ_0088487	2.01792215	0.00315764	0.0384454	7.49380722
hsa_circ_0004018	1.18888039	0.00316021	0.0384454	5.96293066
hsa_circ_0041041	-1.4366532	0.00316795	0.03849431	9.21302337
hsa_circ_0032640	1.190751	0.00316995	0.03849431	6.09507332
hsa_circ_0058192	2.29709761	0.00317612	0.03851354	7.13948256
hsa_circ_0003157	1.47673985	0.00317766	0.03851354	7.73808574
hsa_circ_0075048	2.10413792	0.0032087	0.03869881	7.57051227
hsa_circ_0082182	-1.1810599	0.00321682	0.03869881	7.84976232
hsa_circ_0052037	-1.0584732	0.00322068	0.03869881	5.73001096
hsa_circ_0001687	1.9427144	0.00322087	0.03869881	6.98471245
hsa_circ_0001717	-1.4854855	0.00322841	0.03874732	7.93729021
hsa_circ_0057072	2.20994805	0.00323442	0.03874732	6.65399058
hsa_circ_0074559	-2.7707795	0.00323634	0.03874732	8.63858612
hsa_circ_0072099	1.56710031	0.00323686	0.03874732	8.43221584
hsa_circ_0039847	1.4515925	0.00325294	0.0387989	7.50320741
hsa_circ_0040994	-2.7020496	0.00325936	0.0387989	12.4884045
hsa_circ_0003869	1.09613748	0.0032604	0.0387989	6.92994217
hsa_circ_0008349	-1.6037874	0.00326136	0.0387989	9.55246069
hsa_circ_0091331	-1.46292	0.00326447	0.03880166	8.2164199
hsa_circ_0004136	-1.3487082	0.00326975	0.03883004	6.7977833
hsa_circ_0000967	-1.3170102	0.00327829	0.03885026	7.63752932
hsa_circ_0043187	1.2147976	0.00328011	0.03885026	5.68867241
hsa_circ_0008946	-1.3778126	0.00328343	0.03885538	7.44785682
hsa_circ_0016266	1.29032423	0.00328711	0.03886473	8.52100389
hsa_circ_0004104	1.07511732	0.00329213	0.0388899	9.43775685
hsa_circ_0041100	-2.8480323	0.00329675	0.03891034	9.83509361
hsa_circ_0028921	1.33557439	0.00330361	0.03893524	5.91263543
hsa_circ_0041506	-3.2001174	0.00330718	0.03893524	10.6622985
hsa_circ_0036200	1.59000248	0.00330754	0.03893524	9.77268996
hsa_circ_0091710	-1.41334	0.00331433	0.03898107	8.5417337
hsa_circ_0090122	2.31031231	0.00333876	0.03918356	7.49045137
hsa_circ_0004789	-2.9963338	0.00333937	0.03918356	9.27903854
hsa_circ_0004099	1.11044222	0.00334136	0.03918356	8.0005456
hsa_circ_0039697	1.74732686	0.00334477	0.03918356	9.30699875
hsa_circ_0007661	1.83750641	0.00334611	0.03918356	7.52423558
hsa_circ_0002924	-2.5612804	0.00335471	0.03925007	9.17187874
hsa_circ_0070897	3.4189572	0.00337602	0.03936984	8.0026718
hsa_circ_0005763	1.02120734	0.00338107	0.03938723	6.48201131
hsa_circ_0013617	2.10715202	0.00339508	0.03946714	8.07499107
hsa_circ_0057703	2.81186242	0.00339673	0.03946714	9.06885408
hsa_circ_0000951	-1.1876332	0.00340029	0.03947443	6.0506469
hsa_circ_0052712	1.88499755	0.00341013	0.03955453	7.79190869
hsa_circ_0001376	2.5886501	0.0034212	0.03964877	8.27647951
hsa_circ_0081813	1.60225875	0.00345251	0.03993175	10.060843
hsa_circ_0055426	-1.2222921	0.0034528	0.03993175	7.69358289
hsa_circ_0040507	-3.5715788	0.00345452	0.03993175	10.649115

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0000721	-1.3182646	0.00346272	0.03999216	8.58085609
hsa_circ_0000440	-1.1230473	0.00347064	0.0400332	6.42310334
hsa_circ_0008196	1.20026059	0.00347222	0.0400332	8.9016659
hsa_circ_0006718	-2.3413294	0.00348724	0.04012637	8.80669815
hsa_circ_0074137	2.02602311	0.00348851	0.04012637	7.59638372
hsa_circ_0007927	2.14649484	0.00349351	0.04012637	10.2581818
hsa_circ_0056978	1.54025114	0.00349398	0.04012637	6.7313426
hsa_circ_0005477	-1.4127681	0.00349858	0.04012637	7.2866422
hsa_circ_0008554	-1.4418567	0.00350286	0.04012637	8.10534416
hsa_circ_0000826	2.66454025	0.00350339	0.04012637	9.06164496
hsa_circ_0021570	2.14513384	0.00350953	0.04015367	5.94289501
hsa_circ_0092328	-3.9206553	0.00351665	0.04020095	10.0339214
hsa_circ_0007336	1.38203759	0.0035367	0.04025263	7.84935598
hsa_circ_0002073	-1.6522863	0.00353691	0.04025263	9.39141399
hsa_circ_0074066	-1.8577223	0.00353983	0.04025263	6.39091221
hsa_circ_0084402	1.45661409	0.00353985	0.04025263	14.056704
hsa_circ_0043921	-1.3317704	0.00354639	0.04025263	6.51221956
hsa_circ_0079364	1.31735584	0.0035481	0.04025263	6.0818511
hsa_circ_0001357	-1.4708538	0.00355408	0.04027977	7.90433136
hsa_circ_0085576	1.06858958	0.00355647	0.04027977	7.32307918
hsa_circ_0005576	1.79844447	0.00356112	0.0402985	9.82872531
hsa_circ_0047803	1.33216243	0.00357091	0.040338	6.6130024
hsa_circ_0000499	-2.4844625	0.00357674	0.040338	7.47665159
hsa_circ_0001160	-1.8453863	0.00359984	0.04048117	6.45529094
hsa_circ_0000324	-2.4103071	0.00360133	0.04048117	9.17688949
hsa_circ_0086735	2.10183013	0.00361332	0.04058101	7.01606788
hsa_circ_0027747	1.58890952	0.00362085	0.04058101	6.9371374
hsa_circ_0006692	-1.253022	0.00362105	0.04058101	6.03967917
hsa_circ_0007291	-1.4310738	0.00362228	0.04058101	6.91162363
hsa_circ_0089739	-1.3713272	0.00363198	0.04065577	6.89206988
hsa_circ_0011228	1.87187319	0.00364138	0.04071514	7.5013845
hsa_circ_0042339	-1.6115083	0.00365565	0.04081885	8.78548038
hsa_circ_0003774	1.1734736	0.00365942	0.04082717	5.7358697
hsa_circ_0005336	1.297167	0.00366644	0.04087153	8.91188113
hsa_circ_0064001	-2.534334	0.00367468	0.04092948	9.35604722
hsa_circ_0056548	1.40382255	0.00367893	0.04094288	8.62232977
hsa_circ_0043108	1.56166866	0.00370354	0.04114914	5.96566902
hsa_circ_0008147	2.01201006	0.0037063	0.04114914	7.73673365
hsa_circ_0038282	1.94380289	0.00370663	0.04114914	8.01100402
hsa_circ_0091537	-1.4672173	0.00372815	0.04129787	7.29914556
hsa_circ_0066377	-1.221219	0.0037327	0.04129787	7.0417945
hsa_circ_0050954	-1.3298831	0.00373506	0.04129787	8.40547173
hsa_circ_0086414	-1.786162	0.00374377	0.04132272	9.50832604
hsa_circ_0006979	1.37922403	0.00375996	0.04141654	9.56891299
hsa_circ_0002186	1.53544258	0.00376091	0.04141654	8.22383979
hsa_circ_0001032	-1.0849056	0.00376766	0.04141654	6.25066655
hsa_circ_0032644	1.5802582	0.00378537	0.04144275	7.73959604
hsa_circ_0049271	-4.9025881	0.00378568	0.04144275	10.5657807
hsa_circ_0006536	2.4362707	0.00378813	0.04144275	7.71384382
hsa_circ_0055415	2.34565344	0.00379093	0.04144275	6.55340652
hsa_circ_0058522	1.73303761	0.00379686	0.04144275	8.20335704
hsa_circ_0079939	2.13478869	0.00380019	0.04144275	6.92958859
hsa_circ_0082917	-1.9808717	0.00380867	0.04149449	9.93313105
hsa_circ_0029827	1.64007811	0.0038136	0.0415145	7.40348219
hsa_circ_0071842	1.80493861	0.00382056	0.04152313	7.95471517
hsa_circ_0003639	2.24784629	0.0038286	0.04156318	9.14024104
hsa_circ_0008586	1.13457043	0.00383042	0.04156318	9.44081637
hsa_circ_0006123	-2.0247277	0.00383683	0.04158182	5.90323781
hsa_circ_0069486	2.57696989	0.0038472	0.04163148	7.24467697

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0004458	-3.0337421	0.00385192	0.04163148	10.1876038
hsa_circ_0003813	-1.4542996	0.00385219	0.04163148	8.23326219
hsa_circ_0053651	1.23498132	0.0038608	0.04165763	9.13803054
hsa_circ_0018273	1.24261777	0.00387819	0.04177138	6.26726865
hsa_circ_0002484	3.05297612	0.00388376	0.04177138	11.6711711
hsa_circ_0015494	-1.2808877	0.00389701	0.04187683	6.69240988
hsa_circ_0007808	1.19015214	0.00391042	0.04192403	7.40374747
hsa_circ_0022981	-1.0530768	0.00392024	0.04193133	5.57174961
hsa_circ_0072628	1.5460257	0.00393713	0.04204297	5.71528959
hsa_circ_0001416	-1.1895101	0.00395282	0.04214356	8.50298128
hsa_circ_0006004	-1.2398949	0.0039583	0.04216854	6.58829297
hsa_circ_0007881	1.46453013	0.00396313	0.04218664	9.71768452
hsa_circ_0077007	2.37047947	0.00396754	0.04220016	10.4024699
hsa_circ_0001861	-2.531136	0.00397915	0.04227039	7.56292012
hsa_circ_0001414	2.28710406	0.00398267	0.04227039	9.59524754
hsa_circ_0018255	1.56616004	0.00399286	0.04230229	7.27507894
hsa_circ_0036627	1.19797459	0.00400621	0.04234662	8.34513983
hsa_circ_0073859	1.6721402	0.00400963	0.04234662	7.55343029
hsa_circ_0001338	-1.3921281	0.00402464	0.04244824	7.82372182
hsa_circ_0005693	1.25908143	0.00402556	0.04244824	8.54455544
hsa_circ_0007246	2.12190119	0.00403511	0.04250532	10.4679452
hsa_circ_0001524	1.89293818	0.00403729	0.04250532	8.40183332
hsa_circ_0088485	1.24618641	0.00405075	0.04258037	7.45430276
hsa_circ_0085993	-1.3338956	0.00406722	0.04269156	6.86004145
hsa_circ_0011876	-1.1429836	0.00408801	0.042832	8.41723273
hsa_circ_0000747	-1.6003388	0.00409061	0.042832	8.16023145
hsa_circ_0057822	-1.2342832	0.00415106	0.04339743	7.79356664
hsa_circ_0015204	1.95957257	0.00417951	0.04358875	8.8848943
hsa_circ_0003458	-1.2398331	0.00420105	0.04358875	9.56015915
hsa_circ_0075447	-1.4976969	0.00420237	0.04358875	7.19551486
hsa_circ_0005392	1.36917635	0.00420661	0.04358875	7.12233531
hsa_circ_0022201	1.99236293	0.0042068	0.04358875	7.5331673
hsa_circ_0058520	2.08824342	0.00420765	0.04358875	9.29192904
hsa_circ_0009962	-1.5238943	0.00421246	0.04358875	8.0124079
hsa_circ_0003601	-1.0588542	0.00421737	0.04358875	7.24974862
hsa_circ_0001695	1.74881531	0.00421795	0.04358875	10.0459254
hsa_circ_0072264	1.78002222	0.00422508	0.04359543	6.70536778
hsa_circ_0005479	-1.442674	0.00423641	0.04365351	10.7619378
hsa_circ_0007015	1.37105128	0.00423877	0.04365351	7.48243614
hsa_circ_0020094	-1.8424545	0.00424044	0.04365351	8.67973419
hsa_circ_0001656	-1.0766607	0.00424711	0.04368879	6.55188841
hsa_circ_0028540	-1.1406056	0.00425511	0.04373761	6.80682828
hsa_circ_0032646	1.18550273	0.00426771	0.04380836	7.06722499
hsa_circ_0074849	2.44877552	0.00427176	0.04380836	6.84146131
hsa_circ_0001266	-1.3557406	0.00430244	0.04403441	7.39068779
hsa_circ_0000679	-2.0640164	0.00430268	0.04403441	6.66485598
hsa_circ_0001795	-1.5111326	0.0043069	0.04403441	11.0342618
hsa_circ_0038737	-1.397896	0.00432075	0.04414248	9.40158913
hsa_circ_0007610	-1.4028677	0.00432679	0.04415167	8.56666318
hsa_circ_0007832	-1.2915639	0.00432821	0.04415167	7.40293354
hsa_circ_0058912	2.70150359	0.00433712	0.04418378	8.17739912
hsa_circ_0000186	-1.4770844	0.00433792	0.04418378	8.90487163
hsa_circ_0079534	1.64553809	0.00435091	0.0442804	7.43908775
hsa_circ_0002625	1.48229098	0.00436017	0.0442804	9.18181218
hsa_circ_0000263	-1.2016274	0.00436618	0.0442804	7.26698441
hsa_circ_0020050	-1.2472743	0.00436888	0.0442804	8.2553346
hsa_circ_0006464	-1.076621	0.00437841	0.0442804	6.81181942
hsa_circ_0077705	-1.4084298	0.00438346	0.0442804	8.57447879
hsa_circ_0074903	-1.6272849	0.0043839	0.0442804	10.617271

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0058521	1.49456013	0.00438391	0.0442804	7.40646922
hsa_circ_0004648	1.28786566	0.00438969	0.0442804	8.59917209
hsa_circ_0085133	2.20099024	0.00439019	0.0442804	8.28786049
hsa_circ_0003134	-1.2544966	0.00439525	0.04429479	7.05953402
hsa_circ_0000885	2.2009029	0.00440902	0.04429479	9.4773819
hsa_circ_0070245	1.30954886	0.00441238	0.04429479	8.9296112
hsa_circ_0000641	1.04193094	0.00441727	0.04429479	6.77738938
hsa_circ_0007042	1.04267904	0.00441796	0.04429479	7.85615482
hsa_circ_0022567	-1.6403908	0.00442757	0.04434438	9.1403721
hsa_circ_0011222	1.52183035	0.00443291	0.04434438	7.842198
hsa_circ_0082089	1.58920323	0.00443609	0.04434438	5.95487708
hsa_circ_0006015	2.95657966	0.00444553	0.04440582	8.44631597
hsa_circ_0040787	1.09226595	0.00444952	0.04441267	6.69037753
hsa_circ_0077627	1.14984149	0.00445781	0.0444326	7.2756377
hsa_circ_0005967	2.99885243	0.00446082	0.0444326	8.43265027
hsa_circ_0020846	-1.5061426	0.00446298	0.0444326	10.7857711
hsa_circ_0022603	2.66927121	0.00447704	0.0444326	7.55496628
hsa_circ_0069087	-1.2343375	0.00447975	0.0444326	6.38258425
hsa_circ_0001443	-1.5007583	0.00448203	0.0444326	8.58418533
hsa_circ_0002407	-1.6382693	0.00448365	0.0444326	8.32861975
hsa_circ_0023730	1.86267347	0.00448454	0.0444326	7.48373514
hsa_circ_0051490	-1.2958396	0.0044976	0.04445918	8.97236877
hsa_circ_0008323	-1.5306596	0.00449798	0.04445918	8.77538992
hsa_circ_0015081	-1.336471	0.00450355	0.04445918	7.7793655
hsa_circ_0029605	1.32448905	0.00450412	0.04445918	7.06614542
hsa_circ_0021087	-1.4087198	0.00450705	0.04445918	7.95078774
hsa_circ_0001090	1.47910456	0.00451065	0.04446208	9.11070768
hsa_circ_0004448	1.76008946	0.0045162	0.04448419	8.03832082
hsa_circ_0081055	-1.4465316	0.00452329	0.04448895	7.3696361
hsa_circ_0062683	-1.5290267	0.00455083	0.0446293	11.7628102
hsa_circ_0029268	1.51942212	0.00456602	0.04470554	7.60751304
hsa_circ_0079347	2.3285243	0.00457012	0.04470554	8.18453292
hsa_circ_0000164	1.16501434	0.00457496	0.04470554	7.26303071
hsa_circ_0004412	1.98065658	0.00457712	0.04470554	10.7833778
hsa_circ_0072788	1.91335716	0.00458207	0.04470554	7.06431383
hsa_circ_0000787	1.01321936	0.00458267	0.04470554	6.7069269
hsa_circ_0069774	-2.4408244	0.00458318	0.04470554	11.9648126
hsa_circ_0004262	-1.3123234	0.00458518	0.04470554	8.46940756
hsa_circ_0001310	-1.4765782	0.00459196	0.04471662	7.85550431
hsa_circ_0083294	-1.7307004	0.0045953	0.04471662	7.71966091
hsa_circ_0003168	-1.2433469	0.00459731	0.04471662	7.04162989
hsa_circ_0004349	1.51975364	0.00459961	0.04471662	9.51483269
hsa_circ_0045932	-1.5295566	0.00460908	0.04475794	7.52859431
hsa_circ_0033496	1.25319488	0.00461052	0.04475794	7.45212417
hsa_circ_0070733	-2.1751896	0.00461491	0.04476827	6.11270957
hsa_circ_0042688	-1.246761	0.00462051	0.04479027	6.77837805
hsa_circ_0002408	1.66935621	0.00463907	0.04491776	9.92698087
hsa_circ_0002191	-1.4995393	0.00464033	0.04491776	8.86549222
hsa_circ_0006485	1.35467308	0.00464661	0.04492192	8.4586387
hsa_circ_0023216	-1.4428132	0.00466209	0.04501264	8.88395942
hsa_circ_0038728	-1.0979875	0.00466352	0.04501264	6.20237346
hsa_circ_0079387	-1.201225	0.00467915	0.04509881	7.36138483
hsa_circ_0001775	1.65720227	0.00468878	0.04513089	7.45822413
hsa_circ_0063313	1.60558385	0.00469375	0.04514254	8.32899434
hsa_circ_0035892	2.03092958	0.00470647	0.04522627	6.71134075
hsa_circ_0045801	-1.749858	0.00470918	0.04522627	6.53140921
hsa_circ_0037777	-1.5035033	0.00472058	0.04527111	10.5998043
hsa_circ_0007581	1.75166679	0.00472889	0.04531756	8.25009902
hsa_circ_0050745	-2.361499	0.00473216	0.04531756	10.7924985

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0006006	1.82449115	0.0047431	0.04533792	9.29865396
hsa_circ_0070040	1.60328888	0.0047437	0.04533792	11.5674004
hsa_circ_0075172	1.20007067	0.00474439	0.04533792	7.30373357
hsa_circ_0000241	1.87713085	0.00476805	0.04538774	7.30473959
hsa_circ_0001403	1.25335924	0.00477641	0.04538774	8.59108573
hsa_circ_0007548	-1.7206177	0.00478379	0.04538774	10.9035483
hsa_circ_0077527	-2.2141608	0.00478486	0.04538774	9.20157239
hsa_circ_0032233	-1.1255169	0.00478954	0.04538774	6.45731987
hsa_circ_0004528	-1.3678295	0.00479009	0.04538774	8.08176105
hsa_circ_0010144	1.0743843	0.00479655	0.04540872	6.81829778
hsa_circ_0008258	-1.4293664	0.00482032	0.04540872	6.14659019
hsa_circ_0008035	1.15287705	0.00482414	0.04540872	5.95958597
hsa_circ_0000249	-2.0222324	0.00482487	0.04540872	6.54901784
hsa_circ_0020845	-1.5089516	0.00482686	0.04540872	10.6826232
hsa_circ_0055038	1.46001213	0.00482942	0.04540872	6.78396935
hsa_circ_0059359	-1.408129	0.00485636	0.04553688	9.88980469
hsa_circ_0001952	4.23250059	0.00486778	0.04553688	11.0456033
hsa_circ_0004546	-1.2340508	0.00486959	0.04553688	7.28392424
hsa_circ_0023928	1.58006635	0.00487139	0.04553688	12.7792113
hsa_circ_0001954	-2.5238209	0.00487161	0.04553688	8.85731591
hsa_circ_0008708	1.47337473	0.0048769	0.04553688	9.95268016
hsa_circ_0001755	1.991498	0.00488138	0.04554712	6.33414063
hsa_circ_0000681	-1.9226353	0.00490324	0.04562456	8.51857087
hsa_circ_0005983	2.55683273	0.00491322	0.04568581	8.65192129
hsa_circ_0032029	2.38268377	0.00491736	0.04569277	8.27797352
hsa_circ_0005432	1.33358858	0.00493094	0.04575576	7.96421864
hsa_circ_0058514	2.02274262	0.00494709	0.04575766	9.20898116
hsa_circ_0044248	1.43183625	0.0049473	0.04575766	8.21590049
hsa_circ_0042359	-1.5198406	0.00495046	0.04575766	8.54001413
hsa_circ_0025636	-1.375579	0.00495201	0.04575766	7.91861181
hsa_circ_0006054	-2.2542689	0.00495345	0.04575766	7.22771742
hsa_circ_0033040	1.06637941	0.00496415	0.04575766	6.57628925
hsa_circ_0002680	1.08654015	0.00496647	0.04575766	9.38891861
hsa_circ_0016229	-1.6911513	0.00498674	0.04575766	7.44779844
hsa_circ_0001091	1.04034282	0.00498713	0.04575766	7.8091498
hsa_circ_0022599	1.89113454	0.00499079	0.04575766	6.73998492
hsa_circ_0077086	2.27694099	0.00499136	0.04575766	9.0158914
hsa_circ_0006623	2.41737462	0.00499297	0.04575766	10.0679299
hsa_circ_0000308	1.36380779	0.00499418	0.04575766	5.85740553
hsa_circ_0007019	-2.0771295	0.00500106	0.04575766	5.95057055
hsa_circ_0012872	2.25692635	0.00500204	0.04575766	6.48281605
hsa_circ_0000288	1.07962441	0.00501434	0.04580311	12.2263862
hsa_circ_0038064	1.63351635	0.00502641	0.04585108	6.44051375
hsa_circ_0058733	1.53932886	0.00503794	0.0458735	8.98116774
hsa_circ_0007255	-1.4044285	0.0050392	0.0458735	6.72951004
hsa_circ_0027446	-1.2225007	0.0050425	0.0458735	8.03084132
hsa_circ_0089506	-1.4397516	0.00505104	0.04589847	7.52770361
hsa_circ_0068282	1.9257396	0.00505378	0.04589847	7.68658871
hsa_circ_0005188	-1.2482286	0.00505839	0.04589847	8.15067311
hsa_circ_0077628	1.34478628	0.00507548	0.04601792	8.94659727
hsa_circ_0012859	1.62069816	0.00508635	0.04607971	7.81869628
hsa_circ_0070039	1.68338427	0.00509151	0.04607971	8.98354434
hsa_circ_0003226	1.11316308	0.00509257	0.04607971	7.53699821
hsa_circ_0001500	-1.580658	0.00510663	0.04608671	9.74938163
hsa_circ_0030162	3.08784429	0.00512216	0.04612604	9.17685997
hsa_circ_0066465	-1.8613893	0.00512255	0.04612604	9.39615329
hsa_circ_0071228	2.3301543	0.00512536	0.04612604	6.49945298
hsa_circ_0006640	-1.0385819	0.00512975	0.04612604	6.86329292
hsa_circ_0050649	-1.6192321	0.00512984	0.04612604	9.8889532

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0004830	1.43154431	0.00513881	0.04612604	7.84227833
hsa_circ_0005493	1.8166233	0.00513883	0.04612604	9.06915851
hsa_circ_0043151	-1.8996385	0.00516093	0.04626269	7.12215777
hsa_circ_0055116	1.83414835	0.00517406	0.04631283	6.66886378
hsa_circ_0060762	1.57224131	0.00517697	0.04631283	8.70542772
hsa_circ_0011218	1.62669179	0.00517742	0.04631283	8.45145357
hsa_circ_0002758	-1.4877124	0.00518029	0.04631283	7.9148536
hsa_circ_0051825	-1.2306908	0.0051844	0.04631878	6.82067842
hsa_circ_0002160	1.43596835	0.00519235	0.04635905	9.16452104
hsa_circ_0008870	1.2126647	0.00519729	0.04637238	11.3374725
hsa_circ_0001152	2.04463322	0.00521492	0.04649888	7.32907293
hsa_circ_0000029	1.65147085	0.00522697	0.04657272	6.86530783
hsa_circ_0051036	-1.371215	0.00523802	0.04658135	10.1213856
hsa_circ_0006735	1.35866298	0.00525457	0.04666741	7.74078454
hsa_circ_0017943	1.89778202	0.00525488	0.04666741	6.71673102
hsa_circ_0024516	-1.3296347	0.0052581	0.04666741	7.55303064
hsa_circ_0015169	1.71328727	0.00526205	0.04667096	7.07959536
hsa_circ_0043256	-2.8736605	0.00526544	0.04667096	7.44563259
hsa_circ_0043031	2.09493143	0.00527953	0.04676505	8.6921726
hsa_circ_0058934	-1.1948792	0.00528922	0.04677707	6.30858534
hsa_circ_0002831	1.36934716	0.00529484	0.04677707	7.58606426
hsa_circ_0003785	-1.6296501	0.00529528	0.04677707	12.3402412
hsa_circ_0091412	-1.1510224	0.00529663	0.04677707	6.50985564
hsa_circ_0000959	-1.2472284	0.00529827	0.04677707	6.31017977
hsa_circ_0075549	-2.5475628	0.00530713	0.04680896	11.8703942
hsa_circ_0019061	1.60150871	0.00532235	0.04680896	7.60624315
hsa_circ_0030670	2.17704917	0.00532514	0.04680896	6.3328771
hsa_circ_0024626	1.66457385	0.00534027	0.04689484	10.3899939
hsa_circ_0052455	-1.2807009	0.00534298	0.04689484	8.03930825
hsa_circ_0072396	1.99809624	0.00538564	0.04712023	7.2528048
hsa_circ_0007882	1.1176384	0.00538617	0.04712023	9.11663596
hsa_circ_0023409	-1.5999539	0.0053937	0.04715542	9.20580106
hsa_circ_0061900	-1.2451011	0.00540531	0.04717669	6.60234201
hsa_circ_0070647	1.6225134	0.00540731	0.04717669	7.93110411
hsa_circ_0038610	-1.0907225	0.00541122	0.04717669	7.16762048
hsa_circ_0043193	2.3950604	0.00541584	0.04717669	6.89724735
hsa_circ_0000872	1.75732759	0.0054236	0.04720215	11.5962491
hsa_circ_0001446	-1.3329489	0.00542769	0.04720718	8.21820244
hsa_circ_0036044	1.29745484	0.00543147	0.04720955	10.6057037
hsa_circ_0041148	-1.9019379	0.00544485	0.04729529	7.81233367
hsa_circ_0088568	1.56976926	0.0054508	0.04731647	6.60366678
hsa_circ_0005050	1.63388921	0.00547656	0.04750076	8.61270481
hsa_circ_0066629	1.46638956	0.00547909	0.04750076	6.11643951
hsa_circ_0001669	-1.103979	0.00548286	0.04750281	6.41481353
hsa_circ_0006116	-1.151285	0.00550408	0.04757164	7.43472729
hsa_circ_0008533	-1.1215796	0.00550585	0.04757164	6.02466589
hsa_circ_0006491	-1.581683	0.00550719	0.04757164	7.42392405
hsa_circ_0066649	1.9544024	0.0055098	0.04757164	6.20624936
hsa_circ_0000779	1.27328499	0.00551202	0.04757164	9.60130945
hsa_circ_0062898	-1.2069182	0.00553693	0.04764398	9.91934229
hsa_circ_0025988	2.81725471	0.00554092	0.04764398	6.66646525
hsa_circ_0036629	1.70491383	0.00554164	0.04764398	10.1964625
hsa_circ_0019079	1.21555014	0.00555216	0.04766233	5.80987811
hsa_circ_0001814	2.2166783	0.00556028	0.04766233	8.48977461
hsa_circ_0007511	-1.0847904	0.00556193	0.04766233	6.61326365
hsa_circ_0051121	-1.491554	0.00556503	0.04766233	8.2047622
hsa_circ_0024008	1.05109162	0.00558124	0.04777069	5.47841111
hsa_circ_0007676	1.47376614	0.00558998	0.04777204	8.71274608
hsa_circ_0000213	1.30578673	0.00559505	0.04777204	9.95064017

Table SI. Continued.

Name	logFC	P.Value	adj.P.Val	AveExpr
hsa_circ_0016199	-1.249609	0.0055956	0.04777204	7.62574328
hsa_circ_0087571	1.24315366	0.00560436	0.04778296	5.935426
hsa_circ_0007337	1.14500637	0.00560827	0.04778296	8.3647002
hsa_circ_0082352	1.20206829	0.00561108	0.04778296	6.93052387
hsa_circ_0026542	1.59469397	0.00561829	0.04781406	8.38381747
hsa_circ_0021526	2.13711744	0.0056233	0.04782647	7.71753011
hsa_circ_0000394	1.94434185	0.00564742	0.04794073	7.96839658
hsa_circ_0090237	1.80404341	0.00565696	0.0479612	6.33769852
hsa_circ_0005192	2.47500628	0.0056656	0.04800414	8.99378504
hsa_circ_0092338	4.22294444	0.00567314	0.04800761	10.7976383
hsa_circ_0006318	1.02757141	0.00571307	0.048202	6.60015503
hsa_circ_0047463	4.54030385	0.00571551	0.048202	10.4618504
hsa_circ_0001791	1.10886379	0.00571578	0.048202	6.1477169
hsa_circ_0004554	2.20034781	0.00571911	0.048202	7.20393033
hsa_circ_0063369	1.23295313	0.00572361	0.048202	6.62009749
hsa_circ_0003632	1.96373801	0.00574395	0.04830915	11.5403815
hsa_circ_0000134	-1.3295964	0.00574468	0.04830915	6.32613714
hsa_circ_0000202	-1.1548708	0.00575439	0.04836061	7.38132401
hsa_circ_0007064	-2.1013666	0.0057687	0.04842035	9.66290013
hsa_circ_0073492	2.60132823	0.00580129	0.04864841	7.40150895
hsa_circ_0006333	-1.3948374	0.00581251	0.04869694	6.795549
hsa_circ_0043329	1.35356031	0.00585651	0.04889548	9.53141754
hsa_circ_0023904	1.08978112	0.00585801	0.04889548	11.4882758
hsa_circ_0008925	1.88219633	0.00587278	0.04895037	7.98829125
hsa_circ_0084900	-1.2867485	0.00588819	0.04895917	9.69261576
hsa_circ_0002368	-2.6481235	0.00588838	0.04895917	10.2475753
hsa_circ_0063739	-1.1609044	0.00590376	0.04895917	7.30747275
hsa_circ_0013269	1.44835247	0.00590721	0.04895917	5.79579705
hsa_circ_0068563	-1.8303076	0.00590745	0.04895917	11.7761146
hsa_circ_0002056	-1.3227391	0.00591088	0.04895917	8.16630592
hsa_circ_0001177	-2.3812668	0.0059119	0.04895917	13.5930202
hsa_circ_0000488	1.87240446	0.00592264	0.04895917	5.72585905
hsa_circ_0005566	-1.2476764	0.005926	0.04895917	8.49767597
hsa_circ_0008062	1.78867106	0.00592641	0.04895917	6.22316608
hsa_circ_0020005	1.6265708	0.00593212	0.04895917	7.75272137
hsa_circ_0048807	-1.116336	0.00593507	0.04895917	8.23264235
hsa_circ_0066251	2.13238353	0.00594284	0.04896563	7.92879527
hsa_circ_0076057	-1.3396628	0.00596607	0.04904227	8.92996677
hsa_circ_0085287	-2.9565821	0.00596672	0.04904227	10.654252
hsa_circ_0089074	1.07689306	0.00598359	0.04912793	5.51787957
hsa_circ_0038054	-1.237654	0.00599909	0.04921812	8.99736947
hsa_circ_0062032	-1.7312132	0.00601078	0.04926678	7.73667961
hsa_circ_0000413	1.327094	0.00601378	0.04926678	7.62374652
hsa_circ_0008036	1.10095762	0.006016	0.04926678	8.02708751
hsa_circ_0044020	-1.69612	0.00603676	0.04940673	7.13240345
hsa_circ_0004885	-1.2421296	0.00604999	0.04945484	7.46978395
hsa_circ_0038348	1.27382083	0.00605692	0.04948137	7.93801509
hsa_circ_0007448	1.20438197	0.0060713	0.0494925	9.93396394
hsa_circ_0041555	-2.1336919	0.00607265	0.0494925	9.78366739
hsa_circ_0057168	2.69455417	0.00607381	0.0494925	9.0634718
hsa_circ_0008913	-1.7862553	0.00607667	0.0494925	8.9263926
hsa_circ_0002884	1.28569843	0.00610539	0.04969629	11.0212952
hsa_circ_0048584	-1.3383804	0.00612311	0.04978031	7.35494955
hsa_circ_0092291	-1.7532519	0.00612786	0.04978889	7.72848347
hsa_circ_0011002	-1.3792816	0.0061656	0.04993453	9.94354259