

Figure S1. Effects of miR-95 on the proliferation, cell cycle progression and apoptosis of the OS Saos-2 cell line. (A and B) The miR-95 inhibitor significantly inhibited the proliferation and cell cycle progression of Saos-2 cells, as shown by EdU and PI staining. (C and D) The miR-95 inhibitor significantly promoted apoptosis of Saos-2 cells, as determined via PI/Annexin V and TUNEL staining. * $P < 0.05$, ** $P < 0.01$, compared with the NC group. NC, negative control; OS, osteosarcoma.

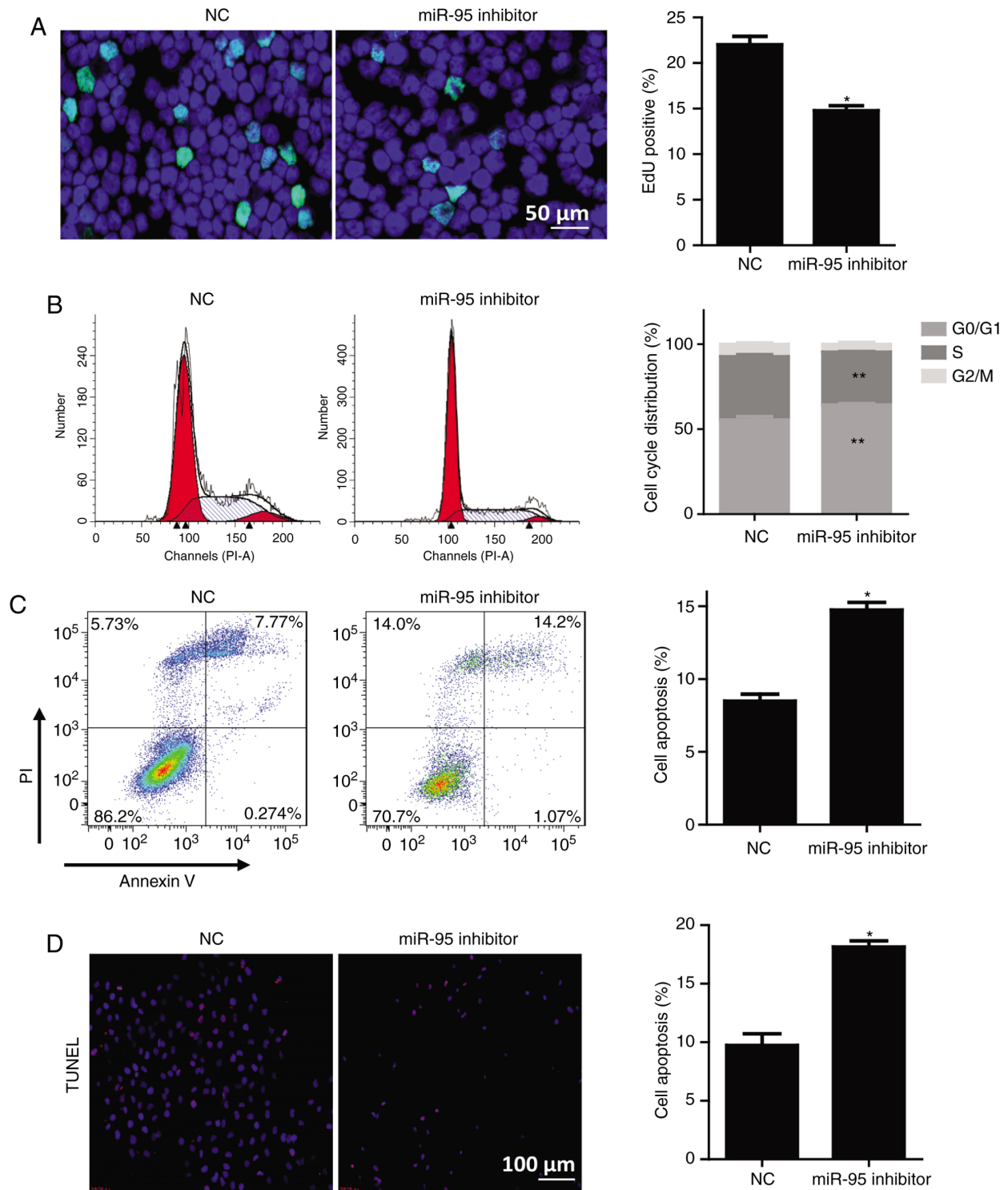


Figure S2. *SCNN1A* is a critical target during miR-95-induced OS cell apoptosis. (A) OS Saos-2 cells were transfected with the miR-95 inhibitor and shSCNN1A (Sh1 SCNN1A and Sh2 SCNN1A). Real-time PCR was performed to examine the level of *SCNN1A*. (B) Cell viability was evaluated via the CCK-8 assay in the transfected Saos-2 cells. (C and D) Cell cycle distribution and apoptosis were measured via PI and PI/Annexin V assays in the transfected Saos-2 cells. * $P < 0.05$, ** $P < 0.01$, compared with the NC group. NC, negative control; SC, scramble control; *SCNN1A*, sodium channel epithelial 1 α subunit; OS, osteosarcoma.

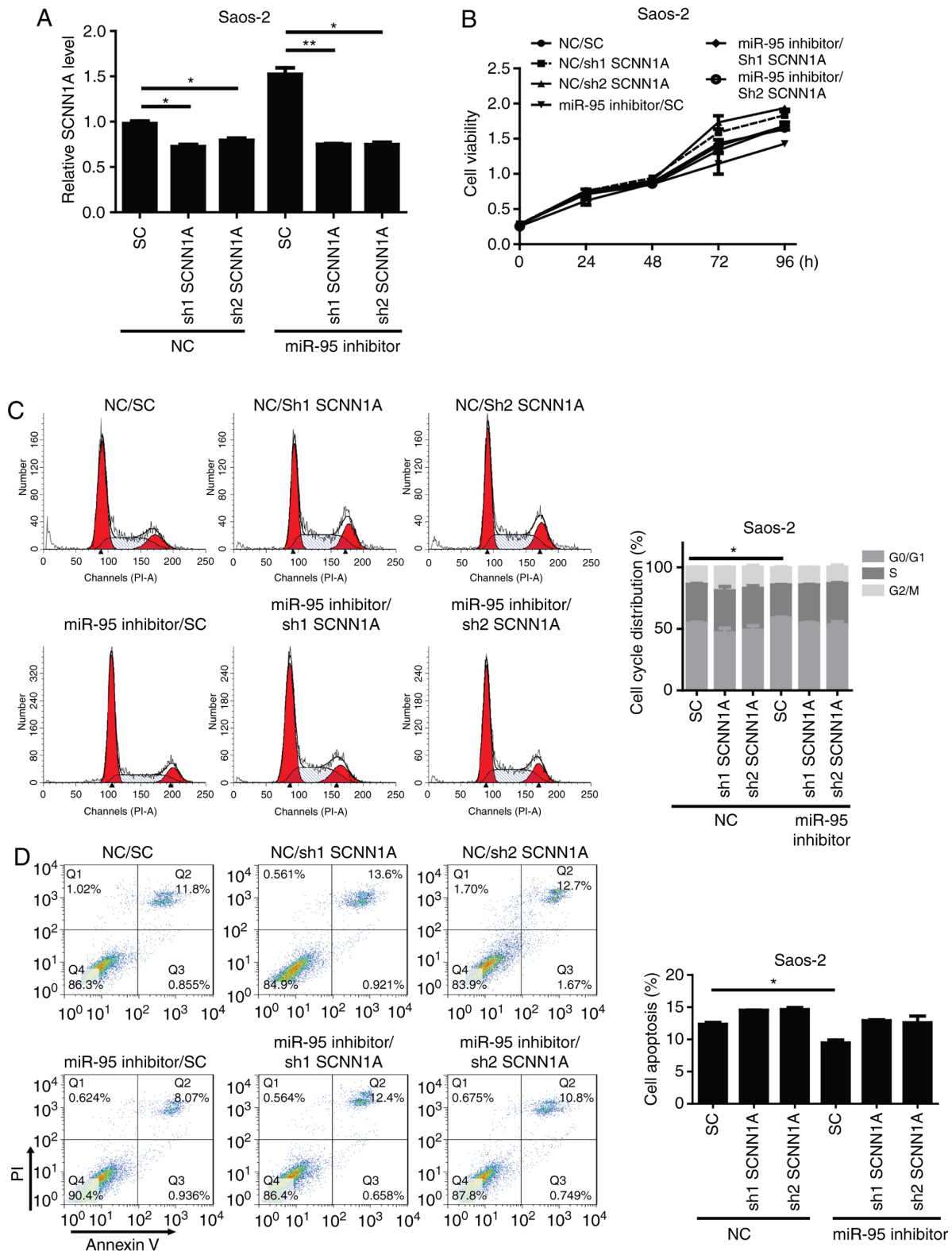


Table SI. Potential target genes (n=52) of miR-95 predicted by *TargetScan*.

Gene	Cumulative weighted context++ score	Total context++ score
<i>QDPR</i>	-0.36	-0.45
<i>MGLL</i>	-0.2	-0.37
<i>RAI14</i>	-0.45	-0.47
<i>ZFHX3</i>	-0.2	-0.2
<i>KIF4B</i>	-0.57	-0.57
<i>ARPP19</i>	-0.56	-0.56
<i>TMEM33</i>	-0.19	-0.4
<i>FOXK1</i>	-0.17	-0.21
<i>ZNF708</i>	-0.16	-0.32
<i>ZNF131</i>	-0.58	-0.58
<i>KIAA0226L</i>	-0.1	-0.33
<i>LGI2</i>	-0.19	-0.19
<i>C9orf163</i>	-0.57	-0.57
<i>SNX1</i>	-0.3	-0.45
<i>CDON</i>	-0.19	-0.19
<i>PLXNA4</i>	-0.1	-0.18
<i>FAM212B</i>	-0.5	-0.5
<i>ADH5</i>	-0.17	-0.57
<i>NTSR1</i>	-0.25	-0.25
<i>KBTBD11</i>	-0.3	-0.3
<i>LAMC3</i>	-0.16	-0.49
<i>CPSF4</i>	-0.64	-0.64
<i>CUX2</i>	-0.1	-0.21
<i>SMAD2</i>	-0.01	-0.31
<i>IL1RAP</i>	-0.47	-0.47
<i>PCDH15</i>	-0.36	-0.37
<i>CDK6</i>	-0.27	-0.3
<i>RUNX1T1</i>	-0.19	-0.19
<i>HDGF</i>	-0.58	-0.58
<i>GDF6</i>	-0.25	-0.31
<i>FOSB</i>	-0.1	-0.48
<i>PTPN3</i>	-0.34	-0.34
<i>TRIM33</i>	-0.22	-0.39
<i>SCNN1A</i>	-0.28	-0.28
<i>STK32A</i>	-0.57	-0.57
<i>CELF2</i>	-0.34	-0.34
<i>DGKD</i>	-0.23	-0.23
<i>IL2RA</i>	-0.48	-0.48
<i>SUMF1</i>	-0.46	-0.46
<i>EP400</i>	-0.23	-0.23
<i>TCEA2</i>	-0.3	-0.31
<i>NSF</i>	-0.26	-0.26
<i>CXCR1</i>	-0.61	-0.61
<i>PRR14L</i>	-0.12	-0.12
<i>GFRA1</i>	-0.02	-0.24
<i>CENPBD1</i>	-0.63	-0.63
<i>NHP2L1</i>	-0.03	-0.63
<i>MYRF</i>	-0.26	-0.27
<i>DUS2</i>	-0.66	-0.66
<i>PLVAP</i>	-0.51	-0.51
<i>TTC3</i>	-0.25	-0.46
<i>KIAA1462</i>	-0.5	-0.5

Table SII. List of 392 downregulated genes in GSE39058.

Gene	logFC	AveExpr	t	P-value
<i>FOSL1</i>	-1.23864	9.30612	-3.9342	0.000273
<i>IER3</i>	-1.22878	10.29097	-3.88523	0.000318
<i>WDYHVI</i>	-0.76569	8.869963	-3.75509	0.000475
<i>TPK1</i>	-0.52804	8.301882	-3.63875	0.000677
<i>VEGFC</i>	-0.77188	8.544882	-3.53309	0.00093
<i>CENPE</i>	-1.14309	9.746999	-3.48964	0.001059
<i>CSF3</i>	-0.7386	8.340813	-3.4479	0.001198
<i>CD2AP</i>	-0.69553	8.549172	-3.44217	0.001219
<i>ALKBH1</i>	-0.54999	8.751864	-3.3652	0.001527
<i>MEN1</i>	-1.36381	9.779383	-3.33551	0.001665
<i>AFMID</i>	-1.59442	9.449657	-3.3213	0.001735
<i>G6PC2</i>	-0.67156	8.456979	-3.31525	0.001766
<i>ADCY2</i>	-0.84047	8.492506	-3.27783	0.001967
<i>NEURL4</i>	-0.75867	8.422156	-3.26572	0.002037
<i>ATP7A</i>	-0.67393	8.496115	-3.26328	0.002051
<i>ICAM3</i>	-0.84233	9.348701	-3.2628	0.002054
<i>RHNO1</i>	-0.8838	9.592654	-3.25159	0.002121
<i>TMEFF2</i>	-1.29383	8.795016	-3.22569	0.002284
<i>WDR64</i>	-0.61889	8.305209	-3.22548	0.002286
<i>EXO1</i>	-1.23931	8.899206	-3.16417	0.002721
<i>RAB3IP</i>	-0.56257	8.483258	-3.14365	0.002883
<i>C3orf36</i>	-0.60985	8.644303	-3.12741	0.003018
<i>ZNF696</i>	-0.94583	10.40347	-3.12038	0.003078
<i>RSBN1L</i>	-0.64358	8.508993	-3.1053	0.003211
<i>RPS26</i>	-1.07242	8.615184	-3.09377	0.003316
<i>MUC15</i>	-0.59082	8.424287	-3.09159	0.003337
<i>SNX31</i>	-0.7039	8.524593	-3.08353	0.003413
<i>TRMT10B</i>	-0.56857	8.856895	-3.08284	0.003419
<i>PLP2</i>	-0.54609	8.797079	-3.0678	0.003566
<i>TAF11</i>	-1.07771	9.996763	-3.04212	0.003829
<i>HTR2B</i>	-0.59949	8.423994	-3.03281	0.003929
<i>KRT78</i>	-0.81625	8.577029	-3.02135	0.004056
<i>IL27RA</i>	-0.6557	8.643482	-3.003	0.004266
<i>F11</i>	-0.63797	8.501875	-2.99925	0.00431
<i>TRAFD1</i>	-0.72113	8.794362	-2.99639	0.004344
<i>TRAF2</i>	-0.80083	8.445967	-2.93859	0.005088
<i>MYOCD</i>	-1.37612	8.703773	-2.9363	0.00512
<i>FHAD1</i>	-0.57484	8.230462	-2.93066	0.005199
<i>PABPC1L2A</i>	-0.87385	8.778233	-2.91919	0.005363
<i>VNIR2</i>	-0.6135	8.360189	-2.91605	0.005409
<i>ACE3P</i>	-1.13197	8.783921	-2.91444	0.005433
<i>SBNO1</i>	-1.14332	9.478746	-2.89929	0.00566
<i>HIFNT</i>	-0.58844	8.256561	-2.89665	0.0057
<i>STYK1</i>	-1.13797	8.840848	-2.89018	0.005801
<i>RAP1GDS1</i>	-0.62401	8.811055	-2.87697	0.006011
<i>OR10A6</i>	-0.78418	8.404037	-2.86488	0.006209
<i>CD8A</i>	-0.53238	8.358849	-2.86283	0.006243
<i>DEFA3</i>	-0.77663	8.489418	-2.85098	0.006445
<i>POLR2J4</i>	-0.99166	8.386918	-2.8467	0.006519
<i>OR4N2</i>	-0.54163	8.430372	-2.83833	0.006666
<i>P4HA1</i>	-1.17082	9.452908	-2.81869	0.007024
<i>PAEP</i>	-0.51768	8.405421	-2.81429	0.007107
<i>MOV10</i>	-1.02677	10.27205	-2.80018	0.007378
<i>CALHM4</i>	-0.70646	8.334883	-2.8	0.007382
<i>PSG4</i>	-1.02636	8.651777	-2.7972	0.007437
<i>MAG11</i>	-0.71535	8.746883	-2.79228	0.007534

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>TP53I3</i>	-1.10899	8.902659	-2.7892	0.007596
<i>MOCS2</i>	-1.06654	9.310394	-2.78746	0.007631
<i>BEST3</i>	-1.21641	8.609898	-2.7831	0.007719
<i>METTL9</i>	-0.64697	8.885303	-2.78253	0.007731
<i>C5orf64</i>	-0.53405	8.47633	-2.77061	0.007978
<i>MEIS2</i>	-1.21565	8.992826	-2.76939	0.008003
<i>OR8U8</i>	-0.78835	8.392707	-2.75495	0.008313
<i>POLR3G</i>	-0.79858	8.491294	-2.74962	0.00843
<i>SNX1</i>	-0.94188	9.578898	-2.74083	0.008627
<i>RAG2</i>	-0.79094	8.444433	-2.73117	0.008847
<i>AP1M2</i>	-0.68704	9.08121	-2.73081	0.008856
<i>HCN1</i>	-0.60623	8.273113	-2.72888	0.0089
<i>SDK1</i>	-0.5099	8.533078	-2.7283	0.008914
<i>TBC1D5</i>	-0.77438	8.636336	-2.71876	0.009139
<i>DRC3</i>	-0.63124	8.345474	-2.7179	0.009159
<i>CALCR</i>	-0.50278	8.34605	-2.69941	0.00961
<i>DNM3</i>	-0.94462	9.087472	-2.69609	0.009693
<i>ERICH1</i>	-0.50317	8.675098	-2.69195	0.009798
<i>ZNF629</i>	-0.57578	8.645688	-2.69043	0.009837
<i>TCEANC2</i>	-0.76701	9.036129	-2.68643	0.009939
<i>MDN1</i>	-0.64412	8.362174	-2.68571	0.009958
<i>HERC3</i>	-0.88083	8.552633	-2.67976	0.010112
<i>CEACAMP6</i>	-0.92266	8.344579	-2.6739	0.010266
<i>CCNT1</i>	-0.92595	8.63436	-2.66524	0.010498
<i>COG4</i>	-0.56776	8.461575	-2.66013	0.010637
<i>RAP1BP3</i>	-0.54471	8.728955	-2.65966	0.01065
<i>TBC1D10A</i>	-0.5129	8.628952	-2.64525	0.011052
<i>PCDHGB1</i>	-0.76855	8.777001	-2.6398	0.011208
<i>KIF24</i>	-0.5277	8.237764	-2.63876	0.011238
<i>OR8H2</i>	-0.72058	8.256124	-2.6333	0.011396
<i>RELB</i>	-0.75598	8.446482	-2.62874	0.01153
<i>CYP2R1</i>	-0.66933	8.342998	-2.6268	0.011587
<i>DENND6A</i>	-0.6608	9.231827	-2.62255	0.011713
<i>PCSK6</i>	-0.60932	8.409709	-2.61998	0.011791
<i>RBMY1F</i>	-1.07073	8.617542	-2.61887	0.011824
<i>CNTLN</i>	-0.51325	8.628704	-2.60587	0.012222
<i>MMP19</i>	-0.66017	8.794505	-2.605	0.012249
<i>HHLA1</i>	-0.65812	8.44748	-2.59746	0.012486
<i>HTR3C</i>	-0.5321	8.312909	-2.59643	0.012519
<i>RAB14</i>	-0.68692	8.670726	-2.59522	0.012558
<i>ZNF217</i>	-0.86823	8.585256	-2.5737	0.013261
<i>C6orf201</i>	-0.79675	8.44486	-2.57044	0.013371
<i>ZNF691</i>	-0.58872	8.601717	-2.57013	0.013381
<i>PRPF3</i>	-0.95676	9.804584	-2.56103	0.013692
<i>TRPC6</i>	-0.51765	8.197617	-2.55148	0.014025
<i>ETNPPL</i>	-1.1706	8.617762	-2.54687	0.014188
<i>RALGAPA1P1</i>	-0.63982	8.641217	-2.54637	0.014206
<i>C6</i>	-0.68791	8.357946	-2.54228	0.014353
<i>PHC1</i>	-0.56596	8.862159	-2.54169	0.014374
<i>SESTD1</i>	-0.52978	9.234554	-2.54091	0.014402
<i>ZNF48</i>	-0.69712	8.54563	-2.53899	0.014472
<i>DHRS4L2</i>	-0.6225	8.506433	-2.53754	0.014524
<i>QPCT</i>	-0.60535	9.030215	-2.53286	0.014696
<i>IL17C</i>	-0.52823	8.336428	-2.53111	0.01476
<i>LCORL</i>	-0.89454	9.008335	-2.52868	0.01485
<i>MRPS35</i>	-0.61351	8.488179	-2.52701	0.014912

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>SCNN1A</i>	-1.25111	10.00226	-2.52574	0.01496
<i>NBPF3</i>	-0.55931	8.357086	-2.52425	0.015016
<i>PCNX4</i>	-0.73159	9.178296	-2.51886	0.015219
<i>ATAD1</i>	-0.74129	8.829979	-2.51811	0.015248
<i>OR7E36P</i>	-0.76423	8.307316	-2.51528	0.015356
<i>KPRP</i>	-0.90492	8.560005	-2.51176	0.015491
<i>COL28A1</i>	-0.5509	8.363302	-2.50783	0.015643
<i>ARHGAP24</i>	-0.6992	8.490425	-2.50508	0.01575
<i>SYS1</i>	-0.57325	8.678688	-2.50328	0.015821
<i>OR6K3</i>	-0.52961	8.27344	-2.50052	0.01593
<i>NPC1L1</i>	-0.7808	8.322629	-2.4975	0.01605
<i>OSMR</i>	-0.77168	9.386702	-2.48958	0.016369
<i>DAD1</i>	-1.47843	10.5948	-2.48827	0.016422
<i>SPTLC2</i>	-0.74804	8.712653	-2.48705	0.016472
<i>MIR489</i>	-0.53314	8.587284	-2.48636	0.0165
<i>LINC00467</i>	-0.87436	9.365256	-2.48342	0.01662
<i>MAD2L2</i>	-0.75637	8.641041	-2.48183	0.016686
<i>TTYH2</i>	-0.61369	8.769092	-2.48109	0.016716
<i>SLC24A5</i>	-0.65944	8.197413	-2.47388	0.017017
<i>NCAPG</i>	-1.04703	10.32247	-2.47184	0.017103
<i>NKAIN2</i>	-0.8446	8.495187	-2.46782	0.017274
<i>STAG3L1</i>	-1.40425	9.247854	-2.46174	0.017534
<i>ZNF93</i>	-1.28315	8.721683	-2.45822	0.017687
<i>GLB1L</i>	-0.82137	9.040855	-2.4574	0.017723
<i>TIFAB</i>	-0.54989	8.843416	-2.45692	0.017744
<i>PGM3</i>	-0.88978	9.228846	-2.45525	0.017817
<i>TMEM200B</i>	-0.50554	8.387948	-2.4548	0.017836
<i>OR5P3</i>	-1.05812	8.830405	-2.44871	0.018105
<i>BEST2</i>	-0.55448	8.214258	-2.44665	0.018197
<i>LRRC23</i>	-0.80077	8.483029	-2.44624	0.018215
<i>OR1S2</i>	-0.76517	8.392096	-2.44435	0.0183
<i>CASP7</i>	-0.65299	8.549813	-2.44317	0.018353
<i>FAHD2CP</i>	-1.00059	8.980327	-2.44251	0.018383
<i>COX17</i>	-1.20276	8.866942	-2.43942	0.018523
<i>MIR449C</i>	-0.83027	8.299182	-2.43892	0.018545
<i>SERINC5</i>	-0.69898	9.122086	-2.43792	0.018591
<i>VTI1B</i>	-0.58237	8.679337	-2.43002	0.018953
<i>MCU</i>	-0.67263	8.61897	-2.42922	0.018991
<i>YEATS4</i>	-0.86557	8.706205	-2.42511	0.019182
<i>MITF</i>	-0.82622	9.050469	-2.42347	0.01926
<i>TAF1A</i>	-0.68112	8.651302	-2.42002	0.019422
<i>EMC4</i>	-0.68457	9.156757	-2.41899	0.019471
<i>OR8K5</i>	-0.61983	8.504169	-2.41562	0.019631
<i>USP8P1</i>	-0.54697	8.479061	-2.41559	0.019633
<i>RBM47</i>	-0.57151	8.345088	-2.41452	0.019684
<i>DUS1L</i>	-0.6012	8.592471	-2.41162	0.019824
<i>SMCO1</i>	-0.54135	8.544499	-2.40756	0.02002
<i>PCDHA1</i>	-0.64675	8.246512	-2.40691	0.020052
<i>FCRL1</i>	-0.75281	8.350503	-2.40666	0.020064
<i>SAMD1</i>	-0.63156	8.803212	-2.4064	0.020077
<i>CFAP53</i>	-0.89913	8.744315	-2.40574	0.020109
<i>CEACAM19</i>	-0.51179	8.591977	-2.40456	0.020167
<i>RPS6KL1</i>	-0.50671	8.860155	-2.40343	0.020222
<i>CARNMT1</i>	-1.23144	9.763344	-2.40279	0.020254
<i>DAO</i>	-0.94144	9.048516	-2.40146	0.020319
<i>HSF2BP</i>	-0.57898	8.508566	-2.3978	0.020501

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>IGFBP6</i>	-0.8707	8.972634	-2.39625	0.020578
<i>COP55</i>	-1.13912	9.443466	-2.39482	0.020649
<i>MIPOL1</i>	-0.87736	9.171038	-2.39473	0.020654
<i>NDST4</i>	-0.61127	8.360279	-2.39329	0.020726
<i>C11orf21</i>	-0.53616	8.267428	-2.38938	0.020923
<i>ZBED5</i>	-1.06991	8.936089	-2.38736	0.021025
<i>GTPBP2</i>	-1.38387	11.11271	-2.38414	0.02119
<i>MECP2</i>	-0.56278	8.262838	-2.38402	0.021196
<i>ZNF554</i>	-1.12185	9.767962	-2.38401	0.021197
<i>DNAJC5G</i>	-1.1049	8.971889	-2.38132	0.021335
<i>GNG7</i>	-0.72562	9.243368	-2.38037	0.021384
<i>LACTB</i>	-0.76761	9.034615	-2.37987	0.02141
<i>C12orf57</i>	-0.52235	8.514387	-2.37372	0.02173
<i>FBXL13</i>	-0.68447	8.265774	-2.3691	0.021973
<i>BCHE</i>	-0.69748	8.892856	-2.36883	0.021988
<i>AGBL5</i>	-0.71935	9.241239	-2.36458	0.022213
<i>RASSF8</i>	-0.64914	8.84467	-2.36325	0.022285
<i>WDR76</i>	-0.71183	8.342697	-2.36303	0.022296
<i>C12orf54</i>	-0.64323	8.223742	-2.36014	0.022452
<i>KLK2</i>	-0.65489	8.805123	-2.35901	0.022513
<i>SYT13</i>	-0.61477	8.416068	-2.35849	0.022541
<i>SIM2</i>	-0.51458	8.393643	-2.35767	0.022586
<i>GLCCI1</i>	-0.93911	8.903624	-2.35745	0.022598
<i>PYHIN1</i>	-0.94387	9.326435	-2.35227	0.02288
<i>RAB43</i>	-0.52948	8.705865	-2.35193	0.022899
<i>GM2A</i>	-0.85799	8.926872	-2.3491	0.023055
<i>PSMB11</i>	-0.8632	8.39416	-2.34865	0.02308
<i>GJB2</i>	-0.67405	8.565248	-2.34788	0.023122
<i>FMO5</i>	-0.51053	8.311526	-2.34619	0.023216
<i>FLG2</i>	-0.70271	8.415862	-2.34468	0.0233
<i>PPIA</i>	-0.59908	9.127328	-2.34447	0.023312
<i>KRTAP6-2</i>	-0.58264	8.14938	-2.34036	0.023542
<i>OR51Q1</i>	-0.56727	8.857768	-2.33728	0.023716
<i>CDCA2</i>	-0.77953	8.916762	-2.33648	0.023762
<i>C12orf49</i>	-1.05521	8.614333	-2.3346	0.023869
<i>LARP4B</i>	-0.5867	9.10291	-2.33212	0.024011
<i>GBX2</i>	-0.57928	8.531922	-2.33181	0.024028
<i>TMEM45B</i>	-1.07247	8.99092	-2.33005	0.024129
<i>OFCC1</i>	-0.62975	8.30037	-2.32951	0.02416
<i>ANKEF1</i>	-0.78816	8.827755	-2.32935	0.02417
<i>PLA2G7</i>	-0.62323	8.457595	-2.32751	0.024276
<i>ZBTB17</i>	-0.69529	8.871521	-2.32739	0.024283
<i>PDSS1</i>	-0.8453	8.776937	-2.32269	0.024556
<i>APOA2</i>	-0.66529	8.248901	-2.32188	0.024604
<i>PPID</i>	-0.71663	13.57395	-2.31787	0.024839
<i>NCK1</i>	-0.60098	8.664335	-2.31753	0.02486
<i>PPDPF</i>	-1.33176	9.813193	-2.31541	0.024985
<i>FAM183BP</i>	-0.64436	8.264166	-2.31154	0.025216
<i>HNRNPK</i>	-0.81803	10.57044	-2.30987	0.025316
<i>SAMD8</i>	-0.64994	8.670896	-2.30033	0.025895
<i>ZNF506</i>	-0.67511	9.429166	-2.29887	0.025985
<i>PRMT1</i>	-0.7277	9.024407	-2.29431	0.026267
<i>HACD3</i>	-0.86782	9.514668	-2.29402	0.026284
<i>MMP15</i>	-0.57289	9.240679	-2.29339	0.026324
<i>SDR39U1</i>	-0.6258	8.411361	-2.28876	0.026613
<i>RNF126</i>	-0.65212	8.969535	-2.28817	0.02665

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>TEFM</i>	-0.5062	8.723005	-2.2848	0.026863
<i>WNT7A</i>	-1.21179	8.727563	-2.27838	0.027272
<i>NNMT</i>	-1.04101	10.2084	-2.27786	0.027306
<i>PRELID3B</i>	-0.88568	9.377771	-2.27722	0.027347
<i>KCNC2</i>	-0.92545	8.354783	-2.2758	0.027438
<i>DEFB125</i>	-0.65463	8.864264	-2.27363	0.027579
<i>YDJC</i>	-0.7142	8.56775	-2.27127	0.027732
<i>STX3</i>	-0.56637	8.87928	-2.26816	0.027935
<i>CPQ</i>	-0.50474	8.926819	-2.26662	0.028036
<i>POLD2</i>	-0.92929	8.983223	-2.26492	0.028148
<i>PRDM8</i>	-0.71749	9.452131	-2.26346	0.028245
<i>DUOXAI</i>	-0.95528	9.013064	-2.26228	0.028324
<i>LINC02203</i>	-0.666	8.3569	-2.26064	0.028432
<i>OLR1</i>	-0.57999	8.595914	-2.2596	0.028502
<i>DAOA</i>	-0.78699	8.28335	-2.25814	0.0286
<i>ETFBKMT</i>	-0.99753	9.38287	-2.25682	0.028688
<i>NAA15</i>	-0.59568	8.603681	-2.25651	0.028709
<i>DPH7</i>	-0.57091	8.759206	-2.25585	0.028754
<i>SMYD5</i>	-0.86461	9.292556	-2.25429	0.028858
<i>GFRAL</i>	-0.53942	8.166779	-2.25279	0.02896
<i>PSORS1C1</i>	-0.63265	8.854204	-2.25158	0.029042
<i>MARK3</i>	-0.6583	9.184404	-2.2512	0.029068
<i>ZBTB39</i>	-0.56752	9.17323	-2.24846	0.029255
<i>IDH3A</i>	-1.02145	9.235048	-2.24809	0.029279
<i>TIGD2</i>	-0.77196	9.399663	-2.24661	0.029381
<i>HIST1H1C</i>	-0.6264	10.31717	-2.24617	0.029411
<i>CTBS</i>	-0.50293	9.115667	-2.24534	0.029468
<i>CCDC73</i>	-0.84814	8.620657	-2.24466	0.029515
<i>ELOA3D</i>	-1.07211	8.990879	-2.24097	0.02977
<i>RSPO3</i>	-0.53384	8.380665	-2.23865	0.029932
<i>TMPRSS11D</i>	-0.61113	8.177587	-2.23807	0.029972
<i>EXOG</i>	-0.63798	8.808027	-2.23715	0.030036
<i>IL9R</i>	-0.51172	8.233672	-2.23291	0.030334
<i>ARRDC5</i>	-0.62161	8.54676	-2.23005	0.030537
<i>CBR1</i>	-0.89084	9.523876	-2.22809	0.030677
<i>DCAF12</i>	-0.91572	8.8796	-2.22555	0.030858
<i>DNMT3B</i>	-0.87291	10.18492	-2.22482	0.03091
<i>ZFYVE19</i>	-0.65675	9.617557	-2.2237	0.030991
<i>HOXB1</i>	-0.55581	8.499055	-2.22042	0.031227
<i>PLEK2</i>	-0.60512	8.715569	-2.22033	0.031234
<i>OR2B11</i>	-0.7661	8.302171	-2.21721	0.031461
<i>CSRP1</i>	-1.05015	10.34111	-2.21572	0.031569
<i>LONRF3</i>	-0.65284	8.715122	-2.21059	0.031946
<i>CENPA</i>	-0.65998	8.499135	-2.21004	0.031987
<i>DLX1</i>	-0.69847	9.519095	-2.20754	0.032172
<i>TMEM199</i>	-0.66444	8.68872	-2.20713	0.032202
<i>LRRK2</i>	-0.85193	8.78039	-2.20671	0.032234
<i>CD37</i>	-0.8683	8.486019	-2.20449	0.0324
<i>CD72</i>	-0.70383	9.14608	-2.20375	0.032455
<i>ASMT</i>	-0.66076	8.382319	-2.20311	0.032503
<i>CNBD1</i>	-0.58192	8.27515	-2.20118	0.032648
<i>NABP1</i>	-0.66994	10.08769	-2.20036	0.03271
<i>UBN2</i>	-0.50267	8.40821	-2.19979	0.032753
<i>CCDC66</i>	-0.53751	8.377607	-2.19938	0.032784
<i>NAGS</i>	-0.84281	9.462884	-2.1993	0.03279
<i>LRRC71</i>	-0.87785	8.744952	-2.18883	0.03359

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>LINC00273</i>	-0.65452	8.722217	-2.18491	0.033894
<i>PACRGL</i>	-0.95285	9.609758	-2.18473	0.033908
<i>TBCK</i>	-0.65307	8.743982	-2.18355	0.034
<i>NUDT6</i>	-0.55617	8.660406	-2.1835	0.034004
<i>MIR372</i>	-0.63104	8.349176	-2.18335	0.034016
<i>LIX1</i>	-0.65656	8.790222	-2.18322	0.034026
<i>TMEM186</i>	-0.81502	9.358618	-2.17969	0.034303
<i>LRRIQ1</i>	-0.96784	8.418759	-2.17644	0.034559
<i>ZNF804B</i>	-0.613	8.563488	-2.17615	0.034582
<i>PNMA8B</i>	-0.91615	8.546853	-2.17179	0.034929
<i>CMAHP</i>	-0.57162	8.570588	-2.17088	0.035002
<i>TMTC3</i>	-0.56179	8.730133	-2.1705	0.035032
<i>COPG1</i>	-0.7758	9.527719	-2.17012	0.035063
<i>MSANTD3</i>	-0.90097	11.24161	-2.16709	0.035306
<i>AIG1</i>	-0.88207	9.349234	-2.16462	0.035506
<i>PRLR</i>	-0.55343	8.705555	-2.1646	0.035507
<i>FBXO47</i>	-0.55682	8.149098	-2.15524	0.036274
<i>CLEC2D</i>	-0.60241	8.60992	-2.15025	0.036689
<i>JAZF1</i>	-0.82294	9.33976	-2.14942	0.036758
<i>MIR99A</i>	-1.01788	8.448176	-2.14735	0.036931
<i>PEX26</i>	-0.56377	8.679757	-2.14513	0.037118
<i>RBMY1HP</i>	-0.82243	8.494414	-2.14495	0.037134
<i>GCHFR</i>	-0.84952	9.292017	-2.14478	0.037148
<i>TMEM63B</i>	-0.7874	9.399728	-2.14336	0.037268
<i>TRIM51</i>	-0.93158	8.76405	-2.14303	0.037296
<i>TMEM178A</i>	-0.61582	8.388247	-2.14219	0.037367
<i>SPC25</i>	-1.07803	10.73811	-2.14095	0.037472
<i>TBC1D2B</i>	-0.82501	8.692348	-2.1402	0.037536
<i>CMTM2</i>	-0.78642	8.403257	-2.13749	0.037768
<i>ODF4</i>	-1.14665	9.335086	-2.1369	0.037818
<i>NPTX1</i>	-0.62378	8.311497	-2.13298	0.038156
<i>KCTD8</i>	-0.56815	8.741129	-2.13088	0.038337
<i>STYXL1</i>	-0.56998	8.610557	-2.13051	0.038369
<i>POP5</i>	-1.2564	9.80897	-2.13022	0.038395
<i>ZNF2</i>	-0.51376	9.718733	-2.12895	0.038505
<i>ATP6V1E2</i>	-0.64791	8.795949	-2.12716	0.038661
<i>HESX1</i>	-0.59731	8.156315	-2.1253	0.038824
<i>OR56B4</i>	-0.5325	8.319413	-2.12454	0.038891
<i>NFATC2</i>	-0.77806	8.883261	-2.12129	0.039177
<i>MIR370</i>	-0.74003	8.352305	-2.12127	0.039179
<i>MIR210</i>	-1.38806	10.48312	-2.1082	0.04035
<i>OR8J3</i>	-0.69922	8.688945	-2.10564	0.040582
<i>C20orf144</i>	-0.59646	8.224708	-2.10321	0.040804
<i>DHX57</i>	-0.61837	8.416653	-2.10293	0.04083
<i>SWAP70</i>	-0.59154	10.04431	-2.10255	0.040865
<i>TDGP1</i>	-0.62012	8.32597	-2.10218	0.040899
<i>CD200</i>	-0.50298	9.000698	-2.09931	0.041164
<i>RCHY1</i>	-0.83626	10.04363	-2.09774	0.041308
<i>RAB27B</i>	-0.69026	8.671583	-2.09612	0.041459
<i>CACNA1C</i>	-0.68864	8.904982	-2.09383	0.041671
<i>GALNTL6</i>	-0.64159	8.231726	-2.09137	0.041902
<i>SERPINB4</i>	-0.65938	8.561241	-2.08968	0.042061
<i>AFG3L1P</i>	-0.84228	8.661928	-2.08619	0.04239
<i>SERINC4</i>	-0.56913	8.904145	-2.0854	0.042465
<i>TRMTIL</i>	-1.12554	9.475062	-2.0852	0.042484
<i>NPTXR</i>	-0.69202	8.405004	-2.08409	0.04259

Table SII. Continued.

Gene	logFC	AveExpr	t	P-value
<i>MAGEA11</i>	-0.5805	9.013118	-2.08293	0.0427
<i>KIAA0319</i>	-0.5309	8.173531	-2.0803	0.042952
<i>LINC02532</i>	-0.69967	8.563069	-2.08	0.042981
<i>FDXACB1</i>	-0.52985	8.693143	-2.07943	0.043035
<i>NRDC</i>	-0.51547	8.805089	-2.07702	0.043267
<i>CPEB1</i>	-0.82622	8.691687	-2.07628	0.043338
<i>UGT1A6</i>	-0.8602	8.655494	-2.07605	0.04336
<i>DRAM2</i>	-0.63234	8.56173	-2.07587	0.043377
<i>UCA1</i>	-1.25256	9.744184	-2.0744	0.04352
<i>ABHD16A</i>	-0.84083	9.311981	-2.07232	0.043722
<i>DLL3</i>	-0.87022	8.511199	-2.06591	0.04435
<i>HOXC12</i>	-0.72644	8.296894	-2.06566	0.044374
<i>TNKS1BP1</i>	-0.57169	8.53057	-2.06475	0.044465
<i>SNORD126</i>	-0.51688	8.236721	-2.06367	0.044571
<i>CARMIL1</i>	-0.91709	9.053517	-2.06337	0.0446
<i>LCA5L</i>	-0.75751	8.821527	-2.06123	0.044813
<i>CD9</i>	-0.63997	8.901698	-2.0605	0.044886
<i>TMOD3</i>	-0.527	8.824448	-2.05804	0.045131
<i>HLA-DQA2</i>	-0.68549	8.492177	-2.05754	0.045181
<i>GNPTAB</i>	-0.89375	10.31037	-2.05532	0.045404
<i>FNDC4</i>	-0.62228	8.895419	-2.05452	0.045485
<i>ZNF295-AS1</i>	-0.62983	8.400797	-2.05421	0.045516
<i>CCL2</i>	-0.98069	10.19088	-2.05261	0.045677
<i>KDM4C</i>	-0.62297	8.404424	-2.05232	0.045706
<i>TCF21</i>	-0.50292	8.794779	-2.05197	0.045742
<i>ERO1B</i>	-0.65881	8.741424	-2.04884	0.04606
<i>RTN2</i>	-0.63988	8.48531	-2.04827	0.046118
<i>AGPS</i>	-0.63066	9.553294	-2.04666	0.046283
<i>PER1</i>	-0.51262	8.536276	-2.04317	0.04664
<i>FAM84B</i>	-0.89759	8.907948	-2.04299	0.046659
<i>TMEM132D</i>	-0.51023	8.179323	-2.04215	0.046746
<i>ANKS3</i>	-0.60583	8.686567	-2.04069	0.046897
<i>AHDC1</i>	-0.95861	9.688027	-2.03895	0.047076
<i>KRTAP6-1</i>	-0.54594	8.225317	-2.03799	0.047176
<i>SYT9</i>	-0.53949	8.258873	-2.03677	0.047303
<i>CDY8P</i>	-0.68992	8.204518	-2.03601	0.047382
<i>SPRR3</i>	-0.86602	8.456813	-2.0344	0.047551
<i>RFX2</i>	-0.98522	8.866301	-2.03429	0.047563
<i>SH3GL3</i>	-0.66181	8.305429	-2.03381	0.047612
<i>ARNT2</i>	-0.60016	8.281145	-2.03308	0.04769
<i>UGT2A2</i>	-0.71349	8.240963	-2.03307	0.04769
<i>BABAM2</i>	-0.73315	9.06062	-2.03142	0.047863
<i>LINC00704</i>	-0.8608	8.422088	-2.02889	0.04813
<i>PPP2R2C</i>	-0.65589	8.483624	-2.0266	0.048374
<i>MIR491</i>	-0.55933	8.455048	-2.02626	0.048409
<i>PSMD12</i>	-0.73913	8.642689	-2.02565	0.048475
<i>TMEM80</i>	-0.57269	9.503576	-2.02454	0.048592
<i>LINC00326</i>	-0.55893	8.243585	-2.02242	0.04882
<i>DCAF4L2</i>	-0.7531	8.625425	-2.02221	0.048842
<i>GTF3C1</i>	-0.92501	8.875492	-2.02195	0.04887
<i>ENTPD4</i>	-0.78203	8.44146	-2.0212	0.04895
<i>NOB1</i>	-0.67607	8.852171	-2.02111	0.04896
<i>BAHCC1</i>	-0.57593	8.74639	-2.01935	0.049149
<i>DROSHA</i>	-0.59794	10.12462	-2.01849	0.049242
<i>SERPINE1</i>	-0.55277	8.779821	-2.0181	0.049284
<i>BCRP3</i>	-0.68382	8.789602	-2.01689	0.049415
<i>GPR6</i>	-0.57702	8.865016	-2.0156	0.049554
<i>PSORS1C3</i>	-0.50772	8.133779	-2.01217	0.049928