

Figure S1. Venn diagram showing the number of lncRNAs in both scenarios. The first scenario was hypermethylated-under-expressed lncRNAs and hypomethylated-highly expressed lncRNAs. The second scenario was lncRNAs with a significant negative correlation between methylation and corresponding expression. lncRNA, long non-coding RNA.

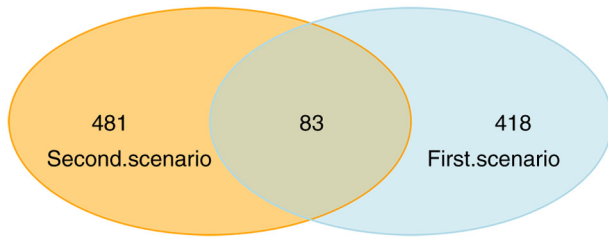


Figure S2. Boxplots with comparisons of methylation levels between glioblastoma and normal samples of all CpG probes annotated to the SNHG9 promoter and the SNHG16 promoter. The probe sequences closer to the right in the figure were closer to the transcriptional start site. * $P \leq 0.05$, ** $P \leq 0.001$, *** $P \leq 0.0001$ vs. respective tumor tissue. SNHG, small nucleolar RNA host gene.

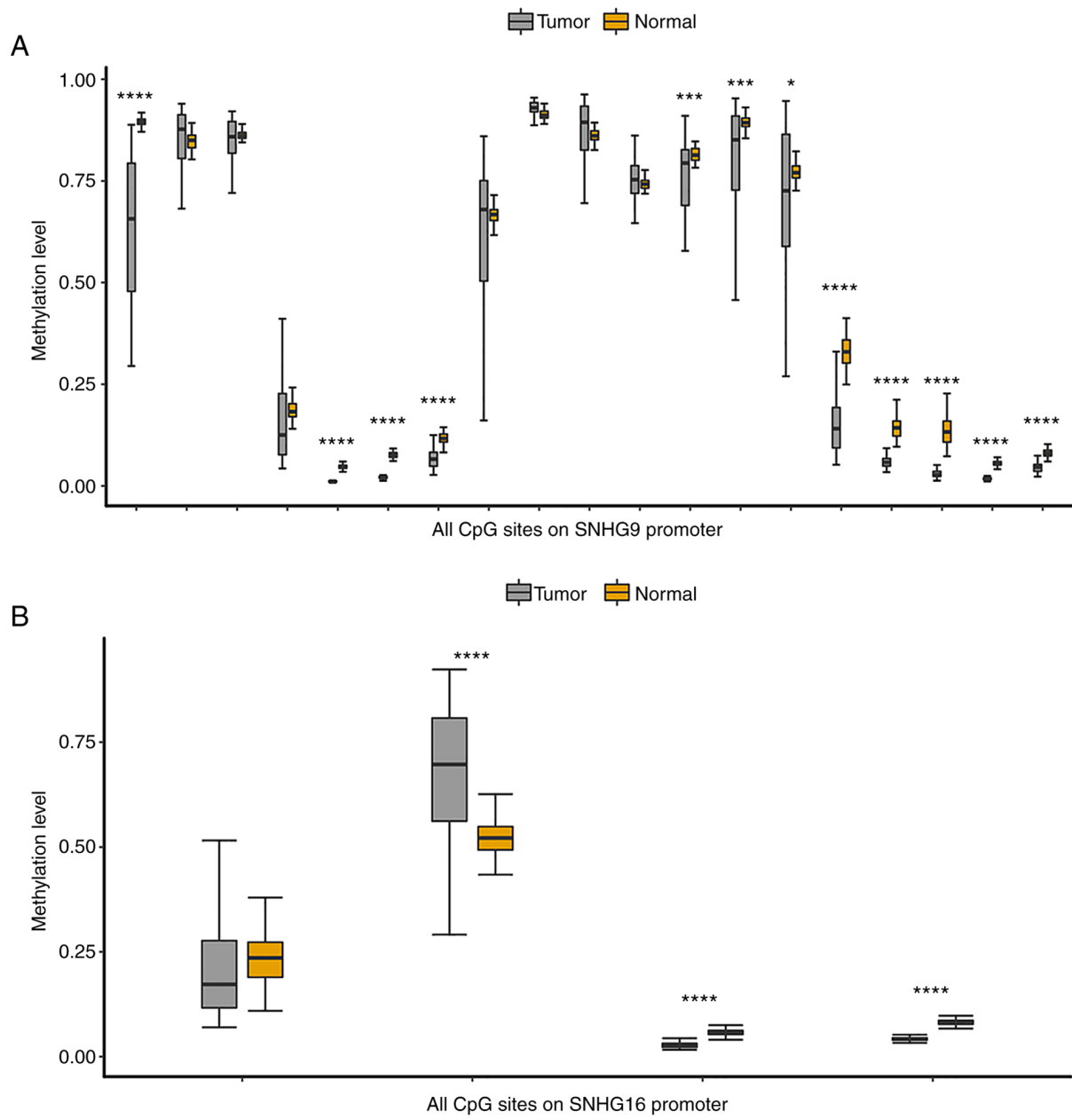


Table SI. Long non-coding RNAs whose expression level in glioblastoma was regulated by aberrant methylation of corresponding promoters.

A, Hypermethylated promoter				
ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000266002	Downregulated	-0.462403217	0.000723	Both
ENSG00000236854	Downregulated	-0.419079591	0.002452	Both
ENSG00000223396	Downregulated	-0.339690952	0.015801	Both
ENSG00000207955	Downregulated	-0.61294548	2.23x10 ⁻⁶	Both
ENSG0000012171	Downregulated	-0.281547609	0.047618	Both
ENSG00000237941	Downregulated	-0.368930813	0.008377	Both
ENSG00000269889	Downregulated	-0.532726463	6.82x10 ⁻⁵	Both
ENSG00000268575	Downregulated	-0.281372211	0.047763	Both
ENSG00000237737	Downregulated	-0.323284236	0.02202	Both
ENSG00000204860	Downregulated	-0.404532697	0.003571	Both
ENSG00000233208	Downregulated	-0.301541827	0.033329	Both
ENSG00000262668	Downregulated	-0.393021294	0.004752	Both
ENSG00000269364	Downregulated	-0.464354356	0.000681	Both
ENSG00000250243	Downregulated	-0.28256035	0.046791	Both
ENSG00000226330	Downregulated	-0.411665206	0.002976	Both
ENSG00000260163	Downregulated	-0.364081199	0.009344	Both
ENSG00000241135	Downregulated	-0.301157077	0.033565	Both
ENSG00000260992	Downregulated	-0.293287589	0.038725	Both
ENSG00000249926	Downregulated	-0.375360452	0.00723	Both
ENSG00000234056	Downregulated	-0.296875867	0.036297	Both
ENSG00000260439	Downregulated	-0.576793697	1.16x10 ⁻⁵	Both
ENSG00000225140	Downregulated	-0.288667433	0.042046	Both
ENSG00000262296	Downregulated	-0.415278511	0.00271	Both
ENSG00000237438	Downregulated	-0.531473879	7.14x10 ⁻⁵	Both
ENSG00000249509	Downregulated	-0.415135866	0.00272	Both
ENSG00000255366	Downregulated	-0.536873339	5.83x10 ⁻⁵	Both
ENSG00000258725	Downregulated	-0.298519996	0.035227	Both
ENSG00000228624	Downregulated	-0.330255626	0.019163	Both
ENSG00000267786	Downregulated	-0.287336693	0.043045	Both
ENSG00000270557	Downregulated	-0.336114729	0.017011	Both
ENSG00000235749	Downregulated	-0.351706397	0.012258	Both
ENSG00000237361	Downregulated	-0.546838591	3.98x10 ⁻⁵	Both
ENSG00000224215	Downregulated	-0.534938279	6.28x10 ⁻⁵	Both
ENSG00000251670	Downregulated	-0.337615074	0.016494	Both
ENSG00000250366	Downregulated	-0.498834315	0.000227	Both
ENSG00000261696	Downregulated	-0.463682664	0.000695	Both
ENSG00000273295	Downregulated	-0.2881428	0.042437	Both
ENSG00000253653	Downregulated	-0.282912172	0.046506	Both
ENSG00000228223	Downregulated	-0.510814513	0.00015	Both
ENSG00000261018	Downregulated	-0.308214366	0.029436	Both
ENSG00000250790	Downregulated	-0.302998604	0.032444	Both
ENSG00000257556	Downregulated	-0.392883012	0.004768	Both
ENSG00000253973	Downregulated	-0.361421694	0.009914	Both
ENSG00000266844	Downregulated	-0.412315003	0.002926	Both
ENSG00000256577	Downregulated	-0.507819359	0.000167	Both
ENSG00000205488	Downregulated	N/A	N/A	First scenario
ENSG00000228016	Downregulated	N/A	N/A	First scenario
ENSG00000250685	Downregulated	N/A	N/A	First scenario
ENSG00000232002	Downregulated	N/A	N/A	First scenario
ENSG00000224614	Downregulated	N/A	N/A	First scenario
ENSG00000237798	Downregulated	N/A	N/A	First scenario
ENSG00000261207	Downregulated	N/A	N/A	First scenario
ENSG00000229960	Downregulated	N/A	N/A	First scenario
ENSG00000251621	Downregulated	N/A	N/A	First scenario
ENSG00000229203	Downregulated	N/A	N/A	First scenario
ENSG00000223754	Downregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000230149	Downregulated	N/A	N/A	First scenario
ENSG00000237301	Downregulated	N/A	N/A	First scenario
ENSG00000250282	Downregulated	N/A	N/A	First scenario
ENSG00000236834	Downregulated	N/A	N/A	First scenario
ENSG00000254251	Downregulated	N/A	N/A	First scenario
ENSG00000256250	Downregulated	N/A	N/A	First scenario
ENSG00000265780	Downregulated	N/A	N/A	First scenario
ENSG00000260051	Downregulated	N/A	N/A	First scenario
ENSG00000272588	Downregulated	N/A	N/A	First scenario
ENSG00000223711	Downregulated	N/A	N/A	First scenario
ENSG00000271778	Downregulated	N/A	N/A	First scenario
ENSG00000230126	Downregulated	N/A	N/A	First scenario
ENSG00000237512	Downregulated	N/A	N/A	First scenario
ENSG00000270697	Downregulated	N/A	N/A	First scenario
ENSG00000232767	Downregulated	N/A	N/A	First scenario
ENSG00000181800	Downregulated	N/A	N/A	First scenario
ENSG00000256050	Downregulated	N/A	N/A	First scenario
ENSG00000257913	Downregulated	N/A	N/A	First scenario
ENSG00000261101	Downregulated	N/A	N/A	First scenario
ENSG00000267259	Downregulated	N/A	N/A	First scenario
ENSG00000237863	Downregulated	N/A	N/A	First scenario
ENSG00000231976	Downregulated	N/A	N/A	First scenario
ENSG00000233532	Downregulated	N/A	N/A	First scenario
ENSG00000272182	Downregulated	N/A	N/A	First scenario
ENSG00000260060	Downregulated	N/A	N/A	First scenario
ENSG00000235007	Downregulated	N/A	N/A	First scenario
ENSG00000224883	Downregulated	N/A	N/A	First scenario
ENSG00000251460	Downregulated	N/A	N/A	First scenario
ENSG00000227748	Downregulated	N/A	N/A	First scenario
ENSG00000268262	Downregulated	N/A	N/A	First scenario
ENSG00000230751	Downregulated	N/A	N/A	First scenario
ENSG00000273267	Downregulated	N/A	N/A	First scenario
ENSG00000226291	Downregulated	N/A	N/A	First scenario
ENSG00000272824	Downregulated	N/A	N/A	First scenario
ENSG00000258525	Downregulated	N/A	N/A	First scenario
ENSG00000229533	Downregulated	N/A	N/A	First scenario
ENSG00000272420	Downregulated	N/A	N/A	First scenario
ENSG00000258199	Downregulated	N/A	N/A	First scenario
ENSG00000251575	Downregulated	N/A	N/A	First scenario
ENSG00000273214	Downregulated	N/A	N/A	First scenario
ENSG00000256705	Downregulated	N/A	N/A	First scenario
ENSG00000269736	Downregulated	N/A	N/A	First scenario
ENSG00000234917	Downregulated	N/A	N/A	First scenario
ENSG00000256747	Downregulated	N/A	N/A	First scenario
ENSG00000253576	Downregulated	N/A	N/A	First scenario
ENSG00000273108	Downregulated	N/A	N/A	First scenario
ENSG00000233930	Downregulated	N/A	N/A	First scenario
ENSG00000273257	Downregulated	N/A	N/A	First scenario
ENSG00000235118	Downregulated	N/A	N/A	First scenario
ENSG00000250448	Downregulated	N/A	N/A	First scenario
ENSG00000273117	Downregulated	N/A	N/A	First scenario
ENSG00000272511	Downregulated	N/A	N/A	First scenario
ENSG00000255176	Downregulated	N/A	N/A	First scenario
ENSG00000253301	Downregulated	N/A	N/A	First scenario
ENSG00000254497	Downregulated	N/A	N/A	First scenario
ENSG00000234614	Downregulated	N/A	N/A	First scenario
ENSG00000265750	Downregulated	N/A	N/A	First scenario
ENSG00000249790	Downregulated	N/A	N/A	First scenario
ENSG00000259604	Downregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000272989	Downregulated	N/A	N/A	First scenario
ENSG00000261379	Downregulated	N/A	N/A	First scenario
ENSG00000272583	Downregulated	N/A	N/A	First scenario
ENSG00000255778	Downregulated	N/A	N/A	First scenario
ENSG00000237476	Downregulated	N/A	N/A	First scenario
ENSG00000254236	Downregulated	N/A	N/A	First scenario
ENSG00000157152	Downregulated	N/A	N/A	First scenario
ENSG00000262155	Downregulated	N/A	N/A	First scenario
ENSG00000225234	Downregulated	N/A	N/A	First scenario
ENSG00000262445	Downregulated	N/A	N/A	First scenario
ENSG00000273156	Downregulated	N/A	N/A	First scenario
ENSG00000234921	Downregulated	N/A	N/A	First scenario
ENSG00000245748	Downregulated	N/A	N/A	First scenario
ENSG00000254566	Downregulated	N/A	N/A	First scenario
ENSG00000233110	Downregulated	N/A	N/A	First scenario
ENSG00000269982	Downregulated	N/A	N/A	First scenario
ENSG00000260750	Downregulated	N/A	N/A	First scenario
ENSG00000238120	Downregulated	N/A	N/A	First scenario
ENSG00000267874	Downregulated	N/A	N/A	First scenario
ENSG00000232684	Downregulated	N/A	N/A	First scenario
ENSG00000253100	Downregulated	N/A	N/A	First scenario
ENSG00000260279	Downregulated	N/A	N/A	First scenario
ENSG00000261253	Downregulated	N/A	N/A	First scenario
ENSG00000260837	Downregulated	N/A	N/A	First scenario
ENSG00000266885	Downregulated	N/A	N/A	First scenario
ENSG00000249330	Downregulated	N/A	N/A	First scenario
ENSG00000261650	Downregulated	N/A	N/A	First scenario
ENSG00000234929	Downregulated	N/A	N/A	First scenario
ENSG00000272774	Downregulated	N/A	N/A	First scenario
ENSG00000237647	Downregulated	N/A	N/A	First scenario
ENSG00000224177	Downregulated	N/A	N/A	First scenario
ENSG00000227619	Downregulated	N/A	N/A	First scenario
ENSG00000267034	Downregulated	N/A	N/A	First scenario
ENSG00000229122	Downregulated	N/A	N/A	First scenario
ENSG00000272148	Downregulated	N/A	N/A	First scenario
ENSG00000272506	Downregulated	N/A	N/A	First scenario
ENSG00000254664	Downregulated	N/A	N/A	First scenario
ENSG00000240707	Downregulated	N/A	N/A	First scenario
ENSG00000273113	Downregulated	N/A	N/A	First scenario
ENSG00000180458	Downregulated	N/A	N/A	First scenario
ENSG00000205041	Downregulated	N/A	N/A	First scenario
ENSG00000259709	Downregulated	N/A	N/A	First scenario
ENSG00000238121	Downregulated	N/A	N/A	First scenario
ENSG00000244124	Downregulated	N/A	N/A	First scenario
ENSG00000226709	Downregulated	N/A	N/A	First scenario
ENSG00000271806	Downregulated	N/A	N/A	First scenario
ENSG00000224478	Downregulated	N/A	N/A	First scenario
ENSG00000224265	Downregulated	N/A	N/A	First scenario
ENSG00000259933	Downregulated	N/A	N/A	First scenario
ENSG00000258424	Downregulated	N/A	N/A	First scenario
ENSG00000234942	Downregulated	N/A	N/A	First scenario
ENSG00000235281	Downregulated	N/A	N/A	First scenario
ENSG00000263120	Downregulated	N/A	N/A	First scenario
ENSG00000254921	Downregulated	N/A	N/A	First scenario
ENSG00000259540	Downregulated	N/A	N/A	First scenario
ENSG00000255087	Downregulated	N/A	N/A	First scenario
ENSG00000224795	Downregulated	N/A	N/A	First scenario
ENSG00000226762	Downregulated	N/A	N/A	First scenario
ENSG00000253106	Downregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000265313	Downregulated	N/A	N/A	First scenario
ENSG00000253965	Downregulated	N/A	N/A	First scenario
ENSG00000237714	Downregulated	N/A	N/A	First scenario
ENSG00000257057	Downregulated	N/A	N/A	First scenario
ENSG00000229703	Downregulated	N/A	N/A	First scenario
ENSG00000272335	Downregulated	N/A	N/A	First scenario
ENSG00000182376	Downregulated	N/A	N/A	First scenario
ENSG00000240527	Downregulated	N/A	N/A	First scenario
ENSG00000271192	Downregulated	N/A	N/A	First scenario
ENSG00000272449	Downregulated	N/A	N/A	First scenario
ENSG00000268458	Downregulated	N/A	N/A	First scenario
ENSG00000272720	Downregulated	N/A	N/A	First scenario
ENSG00000259031	Downregulated	N/A	N/A	First scenario
ENSG00000248719	Downregulated	N/A	N/A	First scenario
ENSG00000271366	Downregulated	N/A	N/A	First scenario
ENSG00000229330	Downregulated	N/A	N/A	First scenario
ENSG00000268049	Downregulated	N/A	N/A	First scenario
ENSG00000261227	Downregulated	N/A	N/A	First scenario
ENSG00000251226	Downregulated	N/A	N/A	First scenario
ENSG00000256925	Downregulated	N/A	N/A	First scenario
ENSG00000273375	Downregulated	N/A	N/A	First scenario
ENSG00000263874	Downregulated	N/A	N/A	First scenario
ENSG00000272402	Downregulated	N/A	N/A	First scenario
ENSG00000259961	Downregulated	N/A	N/A	First scenario
ENSG00000254129	Downregulated	N/A	N/A	First scenario
ENSG00000249453	Downregulated	N/A	N/A	First scenario
ENSG00000259385	Downregulated	N/A	N/A	First scenario
ENSG00000235279	Downregulated	N/A	N/A	First scenario
ENSG00000223768	Downregulated	N/A	N/A	First scenario
ENSG00000272808	Downregulated	N/A	N/A	First scenario
ENSG00000232656	Downregulated	N/A	N/A	First scenario
ENSG00000272444	Downregulated	N/A	N/A	First scenario
ENSG00000227544	Downregulated	N/A	N/A	First scenario
ENSG00000248671	Downregulated	N/A	N/A	First scenario
ENSG00000263089	Downregulated	N/A	N/A	First scenario
ENSG00000245008	Downregulated	N/A	N/A	First scenario
ENSG00000261096	Downregulated	N/A	N/A	First scenario
ENSG00000231654	Downregulated	N/A	N/A	First scenario
ENSG00000272483	Downregulated	N/A	N/A	First scenario
ENSG00000269161	N/A	-0.310970461	0.027942	Second scenario
ENSG00000260482	N/A	-0.343163203	0.014698	Second scenario
ENSG00000260880	N/A	-0.560905709	2.27x10 ⁻⁵	Second scenario
ENSG00000251143	N/A	-0.432533908	0.001707	Second scenario
ENSG00000254675	N/A	-0.302490088	0.032751	Second scenario
ENSG00000235927	N/A	-0.284355339	0.045353	Second scenario
ENSG00000237532	N/A	-0.429382284	0.00186	Second scenario
ENSG00000260940	N/A	-0.398880634	0.004114	Second scenario
ENSG00000268713	N/A	-0.395282743	0.004496	Second scenario
ENSG00000273474	N/A	-0.424634231	0.002115	Second scenario
ENSG00000233358	N/A	-0.323766141	0.021812	Second scenario
ENSG00000227278	N/A	-0.398049506	0.004199	Second scenario
ENSG00000242516	N/A	-0.313506658	0.026625	Second scenario
ENSG00000232098	N/A	-0.30344692	0.032176	Second scenario
ENSG00000229201	N/A	-0.303931119	0.031888	Second scenario
ENSG00000272821	N/A	-0.438776479	0.001435	Second scenario
ENSG00000272203	N/A	-0.325535284	0.021061	Second scenario
ENSG00000257056	N/A	-0.312021436	0.02739	Second scenario
ENSG00000254254	N/A	-0.329690922	0.019383	Second scenario
ENSG00000272791	N/A	-0.378537684	0.006715	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000100181	N/A	-0.592158831	5.90x10 ⁻⁶	Second scenario
ENSG00000262050	N/A	-0.45423184	0.000921	Second scenario
ENSG00000272669	N/A	-0.346932173	0.013575	Second scenario
ENSG00000273096	N/A	-0.409563854	0.003141	Second scenario
ENSG00000231601	N/A	-0.296863721	0.036305	Second scenario
ENSG00000267436	N/A	-0.393181963	0.004733	Second scenario
ENSG00000249941	N/A	-0.326067755	0.020839	Second scenario
ENSG00000256481	N/A	-0.307560002	0.0298	Second scenario
ENSG00000272829	N/A	-0.289017266	0.041787	Second scenario
ENSG00000230082	N/A	-0.485271396	0.000354	Second scenario
ENSG00000233421	N/A	-0.325152058	0.021222	Second scenario
ENSG00000263257	N/A	-0.316493952	0.025139	Second scenario
ENSG00000255052	N/A	-0.328636923	0.019797	Second scenario
ENSG00000237523	N/A	-0.328429987	0.019879	Second scenario
ENSG00000265743	N/A	-0.532595697	6.85x10 ⁻⁵	Second scenario
ENSG00000228237	N/A	-0.295856754	0.036973	Second scenario
ENSG00000272849	N/A	-0.322886845	0.022193	Second scenario
ENSG00000254686	N/A	-0.331721784	0.018604	Second scenario
ENSG00000240219	N/A	-0.325301504	0.021159	Second scenario
ENSG00000263958	N/A	-0.708841068	8.40x10 ⁻⁹	Second scenario
ENSG00000225905	N/A	-0.574183567	1.30x10 ⁻⁵	Second scenario
ENSG00000230148	N/A	-0.391872612	0.004887	Second scenario
ENSG00000245105	N/A	-0.531754249	7.07x10 ⁻⁵	Second scenario
ENSG00000142396	N/A	-0.463521398	0.000699	Second scenario
ENSG00000230063	N/A	-0.279435172	0.049383	Second scenario
ENSG00000257718	N/A	-0.464781356	0.000673	Second scenario
ENSG00000229591	N/A	-0.281369753	0.047765	Second scenario
ENSG00000225096	N/A	-0.559587963	2.39x10 ⁻⁵	Second scenario
ENSG00000225105	N/A	-0.296447593	0.03658	Second scenario
ENSG00000261063	N/A	-0.323128976	0.022088	Second scenario
ENSG00000255621	N/A	-0.288358899	0.042276	Second scenario
ENSG00000260022	N/A	-0.332368507	0.018362	Second scenario
ENSG00000263082	N/A	-0.407360778	0.003323	Second scenario
ENSG00000240006	N/A	-0.30218682	0.032935	Second scenario
ENSG00000245552	N/A	-0.332356668	0.018367	Second scenario
ENSG00000238113	N/A	-0.284201568	0.045475	Second scenario
ENSG00000246214	N/A	-0.397106687	0.004298	Second scenario
ENSG00000269235	N/A	-0.350290139	0.012637	Second scenario
ENSG00000228784	N/A	-0.352974068	0.011927	Second scenario
ENSG00000226441	N/A	-0.313306412	0.026727	Second scenario
ENSG00000234773	N/A	-0.548025797	3.80x10 ⁻⁵	Second scenario
ENSG00000253527	N/A	-0.322118572	0.022531	Second scenario
ENSG00000267491	N/A	-0.376569547	0.00703	Second scenario
ENSG00000233644	N/A	-0.669156464	1.08x10 ⁻⁷	Second scenario
ENSG00000267191	N/A	-0.701816314	1.36x10 ⁻⁸	Second scenario
ENSG00000229848	N/A	-0.391317967	0.004953	Second scenario
ENSG00000267640	N/A	-0.525200124	9.00x10 ⁻⁵	Second scenario
ENSG00000259985	N/A	-0.509007878	0.00016	Second scenario
ENSG00000272524	N/A	-0.380182586	0.006462	Second scenario
ENSG00000260281	N/A	-0.484481564	0.000364	Second scenario
ENSG00000250069	N/A	-0.338412852	0.016225	Second scenario
ENSG00000260417	N/A	-0.581214189	9.61x10 ⁻⁶	Second scenario
ENSG00000227021	N/A	-0.363020137	0.009568	Second scenario
ENSG00000273137	N/A	-0.338896179	0.016064	Second scenario
ENSG00000265206	N/A	-0.403322888	0.003681	Second scenario
ENSG00000251040	N/A	-0.374226011	0.007422	Second scenario
ENSG00000186594	N/A	-0.390042634	0.005109	Second scenario
ENSG00000185904	N/A	-0.492153302	0.000283	Second scenario
ENSG00000232759	N/A	-0.355642315	0.011257	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000198468	N/A	-0.308717208	0.029159	Second scenario
ENSG00000232930	N/A	-0.408472035	0.00323	Second scenario
ENSG00000227456	N/A	-0.382232441	0.006157	Second scenario
ENSG00000183242	N/A	-0.376020201	0.00712	Second scenario
ENSG00000254980	N/A	-0.487314881	0.000332	Second scenario
ENSG00000233430	N/A	-0.281936762	0.047299	Second scenario
ENSG00000256276	N/A	-0.300587654	0.033919	Second scenario
ENSG00000265888	N/A	-0.378120834	0.006781	Second scenario
ENSG00000253187	N/A	-0.284791938	0.045009	Second scenario
ENSG00000198106	N/A	-0.325484478	0.021082	Second scenario
ENSG00000263400	N/A	-0.535326334	6.18x10 ⁻⁵	Second scenario
ENSG00000226644	N/A	-0.357821305	0.010733	Second scenario
ENSG00000238141	N/A	-0.441091674	0.001345	Second scenario
ENSG00000256006	N/A	-0.343184022	0.014691	Second scenario
ENSG00000229282	N/A	-0.367918177	0.008572	Second scenario
ENSG00000264456	N/A	-0.31122736	0.027807	Second scenario
ENSG00000267244	N/A	-0.601416314	3.86x10 ⁻⁶	Second scenario
ENSG00000260473	N/A	-0.304907581	0.031315	Second scenario
ENSG00000228503	N/A	-0.289917839	0.041125	Second scenario
ENSG00000232790	N/A	-0.303142563	0.032358	Second scenario
ENSG00000235597	N/A	-0.580857099	9.76x10 ⁻⁶	Second scenario
ENSG00000256813	N/A	-0.302858579	0.032528	Second scenario

B, Hypomethylated promoter

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000228113	Upregulated	-0.381867913	0.00621	Both
ENSG00000253704	Upregulated	-0.331782892	0.018581	Both
ENSG00000247271	Upregulated	-0.40974922	0.003126	Both
ENSG00000260083	Upregulated	-0.359570661	0.010328	Both
ENSG00000235423	Upregulated	-0.313322404	0.026719	Both
ENSG00000258711	Upregulated	-0.35600821	0.011167	Both
ENSG00000242540	Upregulated	-0.350241772	0.01265	Both
ENSG00000272202	Upregulated	-0.281123064	0.047969	Both
ENSG00000260868	Upregulated	-0.567563201	1.72x10 ⁻⁵	Both
ENSG00000226835	Upregulated	-0.399519267	0.004049	Both
ENSG00000267080	Upregulated	-0.425318935	0.002077	Both
ENSG00000235204	Upregulated	-0.364349519	0.009288	Both
ENSG00000225792	Upregulated	-0.49036782	0.0003	Both
ENSG00000234546	Upregulated	-0.422593438	0.002234	Both
ENSG00000236088	Upregulated	-0.482055487	0.000393	Both
ENSG00000231966	Upregulated	-0.329593264	0.019421	Both
ENSG00000228031	Upregulated	-0.351926188	0.0122	Both
ENSG00000235172	Upregulated	-0.309804285	0.028566	Both
ENSG00000224865	Upregulated	-0.338253111	0.016279	Both
ENSG00000231789	Upregulated	-0.28381841	0.045779	Both
ENSG00000245857	Upregulated	-0.421693154	0.002288	Both
ENSG00000232788	Upregulated	-0.431197685	0.00177	Both
ENSG00000188365	Upregulated	-0.314719723	0.026013	Both
ENSG00000241269	Upregulated	-0.422792819	0.002222	Both
ENSG00000269640	Upregulated	-0.756754411	2.05x10 ⁻¹⁰	Both
ENSG00000117242	Upregulated	-0.309000732	0.029003	Both
ENSG00000249249	Upregulated	-0.456299021	0.000867	Both
ENSG00000229108	Upregulated	-0.353465647	0.011801	Both
ENSG00000273341	Upregulated	-0.375250625	0.007248	Both
ENSG00000251131	Upregulated	-0.572377025	1.41x10 ⁻⁵	Both
ENSG00000270823	Upregulated	-0.363926055	0.009376	Both
ENSG00000250237	Upregulated	-0.304224202	0.031715	Both

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000254693	Upregulated	-0.288166264	0.04242	Both
ENSG00000223382	Upregulated	-0.352120257	0.012149	Both
ENSG00000265975	Upregulated	-0.421092176	0.002325	Both
ENSG00000205056	Upregulated	-0.362426092	0.009695	Both
ENSG00000227502	Upregulated	-0.454499464	0.000914	Both
ENSG00000268001	Upregulated	-0.537015666	5.80x10 ⁻⁵	Both
ENSG00000227214	Upregulated	N/A	N/A	First scenario
ENSG00000266970	Upregulated	N/A	N/A	First scenario
ENSG00000232388	Upregulated	N/A	N/A	First scenario
ENSG00000253438	Upregulated	N/A	N/A	First scenario
ENSG00000229267	Upregulated	N/A	N/A	First scenario
ENSG00000223653	Upregulated	N/A	N/A	First scenario
ENSG00000265688	Upregulated	N/A	N/A	First scenario
ENSG00000255100	Upregulated	N/A	N/A	First scenario
ENSG00000264772	Upregulated	N/A	N/A	First scenario
ENSG00000268471	Upregulated	N/A	N/A	First scenario
ENSG00000239569	Upregulated	N/A	N/A	First scenario
ENSG00000257842	Upregulated	N/A	N/A	First scenario
ENSG00000235545	Upregulated	N/A	N/A	First scenario
ENSG00000253194	Upregulated	N/A	N/A	First scenario
ENSG00000257660	Upregulated	N/A	N/A	First scenario
ENSG00000246095	Upregulated	N/A	N/A	First scenario
ENSG00000230695	Upregulated	N/A	N/A	First scenario
ENSG00000236924	Upregulated	N/A	N/A	First scenario
ENSG00000245025	Upregulated	N/A	N/A	First scenario
ENSG00000269946	Upregulated	N/A	N/A	First scenario
ENSG00000227128	Upregulated	N/A	N/A	First scenario
ENSG00000259407	Upregulated	N/A	N/A	First scenario
ENSG00000235078	Upregulated	N/A	N/A	First scenario
ENSG00000261504	Upregulated	N/A	N/A	First scenario
ENSG00000242797	Upregulated	N/A	N/A	First scenario
ENSG00000254545	Upregulated	N/A	N/A	First scenario
ENSG00000234753	Upregulated	N/A	N/A	First scenario
ENSG00000234961	Upregulated	N/A	N/A	First scenario
ENSG00000273004	Upregulated	N/A	N/A	First scenario
ENSG00000235590	Upregulated	N/A	N/A	First scenario
ENSG00000271966	Upregulated	N/A	N/A	First scenario
ENSG00000258943	Upregulated	N/A	N/A	First scenario
ENSG00000230262	Upregulated	N/A	N/A	First scenario
ENSG00000272004	Upregulated	N/A	N/A	First scenario
ENSG00000214719	Upregulated	N/A	N/A	First scenario
ENSG00000273355	Upregulated	N/A	N/A	First scenario
ENSG00000254662	Upregulated	N/A	N/A	First scenario
ENSG00000267939	Upregulated	N/A	N/A	First scenario
ENSG00000234899	Upregulated	N/A	N/A	First scenario
ENSG00000249641	Upregulated	N/A	N/A	First scenario
ENSG00000269288	Upregulated	N/A	N/A	First scenario
ENSG00000248243	Upregulated	N/A	N/A	First scenario
ENSG00000231441	Upregulated	N/A	N/A	First scenario
ENSG00000226508	Upregulated	N/A	N/A	First scenario
ENSG00000266835	Upregulated	N/A	N/A	First scenario
ENSG00000244184	Upregulated	N/A	N/A	First scenario
ENSG00000257379	Upregulated	N/A	N/A	First scenario
ENSG00000270504	Upregulated	N/A	N/A	First scenario
ENSG00000225077	Upregulated	N/A	N/A	First scenario
ENSG00000271984	Upregulated	N/A	N/A	First scenario
ENSG00000229043	Upregulated	N/A	N/A	First scenario
ENSG00000241933	Upregulated	N/A	N/A	First scenario
ENSG00000226051	Upregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000272369	Upregulated	N/A	N/A	First scenario
ENSG00000233184	Upregulated	N/A	N/A	First scenario
ENSG00000245534	Upregulated	N/A	N/A	First scenario
ENSG00000248049	Upregulated	N/A	N/A	First scenario
ENSG00000249035	Upregulated	N/A	N/A	First scenario
ENSG00000225791	Upregulated	N/A	N/A	First scenario
ENSG00000255240	Upregulated	N/A	N/A	First scenario
ENSG00000260057	Upregulated	N/A	N/A	First scenario
ENSG00000267698	Upregulated	N/A	N/A	First scenario
ENSG00000265445	Upregulated	N/A	N/A	First scenario
ENSG00000256690	Upregulated	N/A	N/A	First scenario
ENSG00000267302	Upregulated	N/A	N/A	First scenario
ENSG00000259062	Upregulated	N/A	N/A	First scenario
ENSG00000273272	Upregulated	N/A	N/A	First scenario
ENSG00000177410	Upregulated	N/A	N/A	First scenario
ENSG00000246560	Upregulated	N/A	N/A	First scenario
ENSG00000262089	Upregulated	N/A	N/A	First scenario
ENSG00000204815	Upregulated	N/A	N/A	First scenario
ENSG00000229525	Upregulated	N/A	N/A	First scenario
ENSG00000272146	Upregulated	N/A	N/A	First scenario
ENSG00000258457	Upregulated	N/A	N/A	First scenario
ENSG00000263327	Upregulated	N/A	N/A	First scenario
ENSG00000254760	Upregulated	N/A	N/A	First scenario
ENSG00000267105	Upregulated	N/A	N/A	First scenario
ENSG00000257595	Upregulated	N/A	N/A	First scenario
ENSG00000251632	Upregulated	N/A	N/A	First scenario
ENSG00000265451	Upregulated	N/A	N/A	First scenario
ENSG00000247240	Upregulated	N/A	N/A	First scenario
ENSG00000245156	Upregulated	N/A	N/A	First scenario
ENSG00000225511	Upregulated	N/A	N/A	First scenario
ENSG00000269416	Upregulated	N/A	N/A	First scenario
ENSG00000234506	Upregulated	N/A	N/A	First scenario
ENSG00000272405	Upregulated	N/A	N/A	First scenario
ENSG00000244151	Upregulated	N/A	N/A	First scenario
ENSG00000250081	Upregulated	N/A	N/A	First scenario
ENSG00000246174	Upregulated	N/A	N/A	First scenario
ENSG00000215068	Upregulated	N/A	N/A	First scenario
ENSG00000267033	Upregulated	N/A	N/A	First scenario
ENSG00000177337	Upregulated	N/A	N/A	First scenario
ENSG00000214293	Upregulated	N/A	N/A	First scenario
ENSG00000230424	Upregulated	N/A	N/A	First scenario
ENSG00000272686	Upregulated	N/A	N/A	First scenario
ENSG00000242375	Upregulated	N/A	N/A	First scenario
ENSG00000236618	Upregulated	N/A	N/A	First scenario
ENSG00000246090	Upregulated	N/A	N/A	First scenario
ENSG00000240758	Upregulated	N/A	N/A	First scenario
ENSG00000224238	Upregulated	N/A	N/A	First scenario
ENSG00000271122	Upregulated	N/A	N/A	First scenario
ENSG00000245904	Upregulated	N/A	N/A	First scenario
ENSG00000163597	Upregulated	N/A	N/A	First scenario
ENSG00000272081	Upregulated	N/A	N/A	First scenario
ENSG00000260603	Upregulated	N/A	N/A	First scenario
ENSG00000272666	Upregulated	N/A	N/A	First scenario
ENSG00000204054	Upregulated	N/A	N/A	First scenario
ENSG00000272456	Upregulated	N/A	N/A	First scenario
ENSG00000253484	Upregulated	N/A	N/A	First scenario
ENSG00000260886	Upregulated	N/A	N/A	First scenario
ENSG00000228775	Upregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000272288	Upregulated	N/A	N/A	First scenario
ENSG00000232940	Upregulated	N/A	N/A	First scenario
ENSG00000262001	Upregulated	N/A	N/A	First scenario
ENSG00000255198	Upregulated	N/A	N/A	First scenario
ENSG00000224391	Upregulated	N/A	N/A	First scenario
ENSG00000182165	Upregulated	N/A	N/A	First scenario
ENSG00000225528	Upregulated	N/A	N/A	First scenario
ENSG00000234741	Upregulated	N/A	N/A	First scenario
ENSG00000270084	Upregulated	N/A	N/A	First scenario
ENSG00000257167	Upregulated	N/A	N/A	First scenario
ENSG00000225265	Upregulated	N/A	N/A	First scenario
ENSG00000228801	Upregulated	N/A	N/A	First scenario
ENSG00000225721	Upregulated	N/A	N/A	First scenario
ENSG00000270194	Upregulated	N/A	N/A	First scenario
ENSG00000227028	Upregulated	N/A	N/A	First scenario
ENSG00000244586	Upregulated	N/A	N/A	First scenario
ENSG00000235121	Upregulated	N/A	N/A	First scenario
ENSG00000270160	Upregulated	N/A	N/A	First scenario
ENSG00000232021	Upregulated	N/A	N/A	First scenario
ENSG00000006062	Upregulated	N/A	N/A	First scenario
ENSG00000248187	Upregulated	N/A	N/A	First scenario
ENSG00000232485	Upregulated	N/A	N/A	First scenario
ENSG00000250786	Upregulated	N/A	N/A	First scenario
ENSG00000272491	Upregulated	N/A	N/A	First scenario
ENSG00000260352	Upregulated	N/A	N/A	First scenario
ENSG00000237928	Upregulated	N/A	N/A	First scenario
ENSG00000257303	Upregulated	N/A	N/A	First scenario
ENSG00000272269	Upregulated	N/A	N/A	First scenario
ENSG00000237595	Upregulated	N/A	N/A	First scenario
ENSG00000267201	Upregulated	N/A	N/A	First scenario
ENSG00000272502	Upregulated	N/A	N/A	First scenario
ENSG00000254887	Upregulated	N/A	N/A	First scenario
ENSG00000231365	Upregulated	N/A	N/A	First scenario
ENSG00000253929	Upregulated	N/A	N/A	First scenario
ENSG00000272282	Upregulated	N/A	N/A	First scenario
ENSG00000240497	Upregulated	N/A	N/A	First scenario
ENSG00000272540	Upregulated	N/A	N/A	First scenario
ENSG00000230747	Upregulated	N/A	N/A	First scenario
ENSG00000272758	Upregulated	N/A	N/A	First scenario
ENSG00000264672	Upregulated	N/A	N/A	First scenario
ENSG00000239922	Upregulated	N/A	N/A	First scenario
ENSG00000267131	Upregulated	N/A	N/A	First scenario
ENSG00000272865	Upregulated	N/A	N/A	First scenario
ENSG00000267282	Upregulated	N/A	N/A	First scenario
ENSG00000247311	Upregulated	N/A	N/A	First scenario
ENSG00000258177	Upregulated	N/A	N/A	First scenario
ENSG00000258675	Upregulated	N/A	N/A	First scenario
ENSG00000250629	Upregulated	N/A	N/A	First scenario
ENSG00000267439	Upregulated	N/A	N/A	First scenario
ENSG00000246130	Upregulated	N/A	N/A	First scenario
ENSG00000259514	Upregulated	N/A	N/A	First scenario
ENSG00000130600	Upregulated	N/A	N/A	First scenario
ENSG00000260156	Upregulated	N/A	N/A	First scenario
ENSG00000259768	Upregulated	N/A	N/A	First scenario
ENSG00000228741	Upregulated	N/A	N/A	First scenario
ENSG00000167355	Upregulated	N/A	N/A	First scenario
ENSG00000272142	Upregulated	N/A	N/A	First scenario
ENSG00000178977	Upregulated	N/A	N/A	First scenario
ENSG00000259705	Upregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000227365	Upregulated	N/A	N/A	First scenario
ENSG00000260304	Upregulated	N/A	N/A	First scenario
ENSG00000203497	Upregulated	N/A	N/A	First scenario
ENSG00000253608	Upregulated	N/A	N/A	First scenario
ENSG00000247151	Upregulated	N/A	N/A	First scenario
ENSG00000271938	Upregulated	N/A	N/A	First scenario
ENSG00000244247	Upregulated	N/A	N/A	First scenario
ENSG00000261478	Upregulated	N/A	N/A	First scenario
ENSG00000262370	Upregulated	N/A	N/A	First scenario
ENSG00000245060	Upregulated	N/A	N/A	First scenario
ENSG00000260907	Upregulated	N/A	N/A	First scenario
ENSG00000204277	Upregulated	N/A	N/A	First scenario
ENSG00000223552	Upregulated	N/A	N/A	First scenario
ENSG00000227630	Upregulated	N/A	N/A	First scenario
ENSG00000223436	Upregulated	N/A	N/A	First scenario
ENSG00000272170	Upregulated	N/A	N/A	First scenario
ENSG00000223949	Upregulated	N/A	N/A	First scenario
ENSG00000230090	Upregulated	N/A	N/A	First scenario
ENSG00000267406	Upregulated	N/A	N/A	First scenario
ENSG00000269481	Upregulated	N/A	N/A	First scenario
ENSG00000230730	Upregulated	N/A	N/A	First scenario
ENSG00000258738	Upregulated	N/A	N/A	First scenario
ENSG00000234883	Upregulated	N/A	N/A	First scenario
ENSG00000236106	Upregulated	N/A	N/A	First scenario
ENSG00000229124	Upregulated	N/A	N/A	First scenario
ENSG00000236947	Upregulated	N/A	N/A	First scenario
ENSG00000267280	Upregulated	N/A	N/A	First scenario
ENSG00000262251	Upregulated	N/A	N/A	First scenario
ENSG00000248505	Upregulated	N/A	N/A	First scenario
ENSG00000260136	Upregulated	N/A	N/A	First scenario
ENSG00000266998	Upregulated	N/A	N/A	First scenario
ENSG00000224081	Upregulated	N/A	N/A	First scenario
ENSG00000253716	Upregulated	N/A	N/A	First scenario
ENSG00000236869	Upregulated	N/A	N/A	First scenario
ENSG00000225470	Upregulated	N/A	N/A	First scenario
ENSG00000270933	Upregulated	N/A	N/A	First scenario
ENSG00000261487	Upregulated	N/A	N/A	First scenario
ENSG00000251580	Upregulated	N/A	N/A	First scenario
ENSG00000227517	Upregulated	N/A	N/A	First scenario
ENSG00000272183	Upregulated	N/A	N/A	First scenario
ENSG00000255328	Upregulated	N/A	N/A	First scenario
ENSG00000231890	Upregulated	N/A	N/A	First scenario
ENSG00000225742	Upregulated	N/A	N/A	First scenario
ENSG00000233895	Upregulated	N/A	N/A	First scenario
ENSG00000153363	Upregulated	N/A	N/A	First scenario
ENSG00000267984	Upregulated	N/A	N/A	First scenario
ENSG00000269102	Upregulated	N/A	N/A	First scenario
ENSG00000237976	Upregulated	N/A	N/A	First scenario
ENSG00000237013	Upregulated	N/A	N/A	First scenario
ENSG00000260086	Upregulated	N/A	N/A	First scenario
ENSG00000225177	Upregulated	N/A	N/A	First scenario
ENSG00000261455	Upregulated	N/A	N/A	First scenario
ENSG00000254054	Upregulated	N/A	N/A	First scenario
ENSG00000272662	Upregulated	N/A	N/A	First scenario
ENSG00000204261	Upregulated	N/A	N/A	First scenario
ENSG00000233621	Upregulated	N/A	N/A	First scenario
ENSG00000269970	Upregulated	N/A	N/A	First scenario
ENSG00000256084	Upregulated	N/A	N/A	First scenario
ENSG00000248538	Upregulated	N/A	N/A	First scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000250548	Upregulated	N/A	N/A	First scenario
ENSG00000257219	Upregulated	N/A	N/A	First scenario
ENSG00000272217	Upregulated	N/A	N/A	First scenario
ENSG00000270105	Upregulated	N/A	N/A	First scenario
ENSG00000241155	Upregulated	N/A	N/A	First scenario
ENSG00000230943	Upregulated	N/A	N/A	First scenario
ENSG00000234062	Upregulated	N/A	N/A	First scenario
ENSG00000261460	Upregulated	N/A	N/A	First scenario
ENSG00000231607	Upregulated	N/A	N/A	First scenario
ENSG00000237886	Upregulated	N/A	N/A	First scenario
ENSG00000265843	Upregulated	N/A	N/A	First scenario
ENSG00000228201	Upregulated	N/A	N/A	First scenario
ENSG00000231871	Upregulated	N/A	N/A	First scenario
ENSG00000265666	Upregulated	N/A	N/A	First scenario
ENSG00000197813	Upregulated	N/A	N/A	First scenario
ENSG00000266402	Upregulated	N/A	N/A	First scenario
ENSG00000254300	Upregulated	N/A	N/A	First scenario
ENSG00000249906	Upregulated	N/A	N/A	First scenario
ENSG00000272716	Upregulated	N/A	N/A	First scenario
ENSG00000263013	Upregulated	N/A	N/A	First scenario
ENSG00000251179	Upregulated	N/A	N/A	First scenario
ENSG00000233654	N/A	-0.540530421	5.08x10 ⁻⁵	Second scenario
ENSG00000228917	N/A	-0.458233039	0.000819	Second scenario
ENSG00000230102	N/A	-0.368797303	0.008403	Second scenario
ENSG00000238260	N/A	-0.342885078	0.014783	Second scenario
ENSG00000229852	N/A	-0.514245226	0.000133	Second scenario
ENSG00000271614	N/A	-0.44550671	0.001186	Second scenario
ENSG00000234181	N/A	-0.341646622	0.015171	Second scenario
ENSG00000237613	N/A	-0.290326585	0.040827	Second scenario
ENSG00000231856	N/A	-0.448928463	0.001075	Second scenario
ENSG00000258325	N/A	-0.358944719	0.010471	Second scenario
ENSG00000235996	N/A	-0.288434261	0.04222	Second scenario
ENSG00000259685	N/A	-0.302982045	0.032454	Second scenario
ENSG00000250988	N/A	-0.321050058	0.023008	Second scenario
ENSG00000227640	N/A	-0.282428855	0.046898	Second scenario
ENSG00000272719	N/A	-0.372781328	0.007673	Second scenario
ENSG00000272622	N/A	-0.304340913	0.031647	Second scenario
ENSG00000264026	N/A	-0.376196672	0.007091	Second scenario
ENSG00000261188	N/A	-0.369298132	0.008308	Second scenario
ENSG00000223458	N/A	-0.545725287	4.15x10 ⁻⁵	Second scenario
ENSG00000268231	N/A	-0.294928906	0.037598	Second scenario
ENSG00000179082	N/A	-0.307587806	0.029785	Second scenario
ENSG00000247095	N/A	-0.380683574	0.006386	Second scenario
ENSG00000253607	N/A	-0.323017633	0.022136	Second scenario
ENSG00000253871	N/A	-0.296316277	0.036667	Second scenario
ENSG00000236778	N/A	-0.338039271	0.016351	Second scenario
ENSG00000254499	N/A	-0.278798898	0.049924	Second scenario
ENSG00000248703	N/A	-0.308403423	0.029331	Second scenario
ENSG00000253647	N/A	-0.327612368	0.020207	Second scenario
ENSG00000259970	N/A	-0.328436704	0.019877	Second scenario
ENSG00000258949	N/A	-0.47704164	0.000461	Second scenario
ENSG00000258057	N/A	-0.374240724	0.007419	Second scenario
ENSG00000243276	N/A	-0.320623548	0.023201	Second scenario
ENSG00000253343	N/A	-0.409568413	0.003141	Second scenario
ENSG00000235620	N/A	-0.341778115	0.01513	Second scenario
ENSG00000237870	N/A	-0.341836965	0.015111	Second scenario
ENSG00000228598	N/A	-0.281699377	0.047494	Second scenario
ENSG00000231609	N/A	-0.309281737	0.02885	Second scenario
ENSG00000258479	N/A	-0.305790941	0.030803	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000226390	N/A	-0.329192648	0.019578	Second scenario
ENSG00000273145	N/A	-0.305023804	0.031247	Second scenario
ENSG00000255007	N/A	-0.456921639	0.000851	Second scenario
ENSG00000244128	N/A	-0.386951189	0.005503	Second scenario
ENSG00000273090	N/A	-0.298513534	0.035231	Second scenario
ENSG00000256482	N/A	-0.389883771	0.005128	Second scenario
ENSG00000228317	N/A	-0.34231691	0.01496	Second scenario
ENSG00000233858	N/A	-0.305408915	0.031024	Second scenario
ENSG00000268833	N/A	-0.304878874	0.031332	Second scenario
ENSG00000261481	N/A	-0.280989197	0.04808	Second scenario
ENSG00000254787	N/A	-0.29897146	0.034938	Second scenario
ENSG00000234494	N/A	-0.29177232	0.039789	Second scenario
ENSG00000267629	N/A	-0.290134044	0.040967	Second scenario
ENSG00000233016	N/A	-0.368003741	0.008555	Second scenario
ENSG00000264569	N/A	-0.385134349	0.005747	Second scenario
ENSG00000248986	N/A	-0.344305249	0.014349	Second scenario
ENSG00000223469	N/A	-0.377551353	0.006872	Second scenario
ENSG00000236677	N/A	-0.279481861	0.049343	Second scenario
ENSG00000270021	N/A	-0.416231421	0.002643	Second scenario
ENSG00000234432	N/A	-0.350020741	0.01271	Second scenario
ENSG00000261803	N/A	-0.39114045	0.004975	Second scenario
ENSG00000229980	N/A	-0.427294526	0.001969	Second scenario
ENSG00000249786	N/A	-0.34691528	0.013579	Second scenario
ENSG00000225793	N/A	-0.357237028	0.010871	Second scenario
ENSG00000170919	N/A	-0.439207595	0.001418	Second scenario
ENSG00000231953	N/A	-0.361733382	0.009846	Second scenario
ENSG00000271659	N/A	-0.366159812	0.008918	Second scenario
ENSG00000257696	N/A	-0.409511943	0.003145	Second scenario
ENSG00000238197	N/A	-0.475526019	0.000483	Second scenario
ENSG00000224914	N/A	-0.633548619	7.88x10 ⁻⁷	Second scenario
ENSG00000237517	N/A	-0.334985326	0.017409	Second scenario
ENSG00000264212	N/A	-0.308667495	0.029186	Second scenario
ENSG00000254654	N/A	-0.41447588	0.002767	Second scenario
ENSG00000259840	N/A	-0.470601142	0.000563	Second scenario
ENSG00000273473	N/A	-0.395700534	0.00445	Second scenario
ENSG00000231918	N/A	-0.292745565	0.039103	Second scenario
ENSG00000226200	N/A	-0.341962358	0.015072	Second scenario
ENSG00000226920	N/A	-0.369018621	0.008361	Second scenario
ENSG00000254461	N/A	-0.290538975	0.040673	Second scenario
ENSG00000237943	N/A	-0.285772141	0.044244	Second scenario
ENSG00000272079	N/A	-0.325372496	0.021129	Second scenario
ENSG00000249456	N/A	-0.340413177	0.015566	Second scenario
ENSG00000238058	N/A	-0.331474147	0.018698	Second scenario
ENSG00000259416	N/A	-0.31785248	0.024487	Second scenario
ENSG00000266981	N/A	-0.32645281	0.02068	Second scenario
ENSG00000175773	N/A	-0.471131536	0.000554	Second scenario
ENSG00000260710	N/A	-0.332831171	0.018191	Second scenario
ENSG00000235652	N/A	-0.322495285	0.022365	Second scenario
ENSG00000262766	N/A	-0.295009925	0.037543	Second scenario
ENSG00000250012	N/A	-0.408292431	0.003245	Second scenario
ENSG00000260927	N/A	-0.44931697	0.001063	Second scenario
ENSG00000260464	N/A	-0.317210757	0.024794	Second scenario
ENSG00000261065	N/A	-0.31768799	0.024566	Second scenario
ENSG00000260793	N/A	-0.471143429	0.000554	Second scenario
ENSG00000268061	N/A	-0.325593341	0.021037	Second scenario
ENSG00000260630	N/A	-0.303709936	0.032019	Second scenario
ENSG00000215447	N/A	-0.356626226	0.011018	Second scenario
ENSG00000248996	N/A	-0.382308663	0.006146	Second scenario
ENSG00000261420	N/A	-0.299963983	0.034309	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000257878	N/A	-0.419873022	0.002401	Second scenario
ENSG00000235288	N/A	-0.330217195	0.019178	Second scenario
ENSG00000233730	N/A	-0.400082125	0.003992	Second scenario
ENSG00000273066	N/A	-0.384719748	0.005804	Second scenario
ENSG00000261071	N/A	-0.324836776	0.021355	Second scenario
ENSG00000267746	N/A	-0.426373639	0.002018	Second scenario
ENSG00000234676	N/A	-0.422598122	0.002234	Second scenario
ENSG00000261996	N/A	-0.298876587	0.034998	Second scenario
ENSG00000234290	N/A	-0.383421677	0.005986	Second scenario
ENSG00000232835	N/A	-0.33944937	0.015881	Second scenario
ENSG00000231092	N/A	-0.352240011	0.012118	Second scenario
ENSG00000237687	N/A	-0.525016885	9.06x10 ⁻⁵	Second scenario
ENSG00000268584	N/A	-0.327616005	0.020206	Second scenario
ENSG00000240859	N/A	-0.39186132	0.004888	Second scenario
ENSG00000250365	N/A	-0.326008264	0.020864	Second scenario
ENSG00000235954	N/A	-0.287510984	0.042913	Second scenario
ENSG00000224595	N/A	-0.300270468	0.034117	Second scenario
ENSG00000260805	N/A	-0.306115097	0.030617	Second scenario
ENSG00000257433	N/A	-0.445282715	0.001194	Second scenario
ENSG00000269898	N/A	-0.295766804	0.037033	Second scenario
ENSG00000229901	N/A	-0.284872494	0.044946	Second scenario
ENSG00000236935	N/A	-0.299089995	0.034862	Second scenario
ENSG00000234855	N/A	-0.342871166	0.014788	Second scenario
ENSG00000255745	N/A	-0.427455038	0.00196	Second scenario
ENSG00000226386	N/A	-0.405724971	0.003464	Second scenario
ENSG00000254862	N/A	-0.439413244	0.00141	Second scenario
ENSG00000249697	N/A	-0.320587083	0.023218	Second scenario
ENSG00000270562	N/A	-0.299254273	0.034757	Second scenario
ENSG00000254422	N/A	-0.318517109	0.024174	Second scenario
ENSG00000269906	N/A	-0.368173707	0.008522	Second scenario
ENSG00000255568	N/A	-0.319323191	0.023797	Second scenario
ENSG00000258383	N/A	-0.329123552	0.019605	Second scenario
ENSG00000261716	N/A	-0.29344197	0.038617	Second scenario
ENSG00000272880	N/A	-0.375847102	0.007149	Second scenario
ENSG00000184274	N/A	-0.336452189	0.016894	Second scenario
ENSG00000255571	N/A	-0.322378078	0.022417	Second scenario
ENSG00000235919	N/A	-0.365847138	0.008981	Second scenario
ENSG00000261439	N/A	-0.308535482	0.029259	Second scenario
ENSG00000204241	N/A	-0.487321864	0.000332	Second scenario
ENSG00000230523	N/A	-0.300561725	0.033935	Second scenario
ENSG00000187904	N/A	-0.323770999	0.02181	Second scenario
ENSG00000261898	N/A	-0.296312259	0.036669	Second scenario
ENSG00000232874	N/A	-0.279396494	0.049416	Second scenario
ENSG00000264577	N/A	-0.284615683	0.045148	Second scenario
ENSG00000236740	N/A	-0.295958598	0.036905	Second scenario
ENSG00000229913	N/A	-0.487734103	0.000327	Second scenario
ENSG00000270640	N/A	-0.381626239	0.006246	Second scenario
ENSG00000253130	N/A	-0.40093974	0.003908	Second scenario
ENSG00000271811	N/A	-0.296840831	0.03632	Second scenario
ENSG00000253774	N/A	-0.40735185	0.003324	Second scenario
ENSG00000228526	N/A	-0.318523108	0.024171	Second scenario
ENSG00000226581	N/A	-0.594961373	5.20x10 ⁻⁶	Second scenario
ENSG00000255427	N/A	-0.29627991	0.036691	Second scenario
ENSG00000241054	N/A	-0.302537275	0.032722	Second scenario
ENSG00000273011	N/A	-0.290081438	0.041006	Second scenario
ENSG00000266708	N/A	-0.345566475	0.013973	Second scenario
ENSG00000230309	N/A	-0.282317604	0.046988	Second scenario
ENSG00000226235	N/A	-0.321516271	0.022799	Second scenario
ENSG00000258857	N/A	-0.425216469	0.002082	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000260460	N/A	-0.517100288	0.000121	Second scenario
ENSG00000253613	N/A	-0.403046096	0.003707	Second scenario
ENSG00000227589	N/A	-0.311404208	0.027713	Second scenario
ENSG00000256609	N/A	-0.449469501	0.001059	Second scenario
ENSG00000260411	N/A	-0.330199468	0.019185	Second scenario
ENSG00000229953	N/A	-0.486261524	0.000343	Second scenario
ENSG00000229274	N/A	-0.282190016	0.047092	Second scenario
ENSG00000243799	N/A	-0.388830437	0.00526	Second scenario
ENSG00000228544	N/A	-0.356491167	0.01105	Second scenario
ENSG00000238005	N/A	-0.566175142	1.82x10 ⁻⁵	Second scenario
ENSG00000260011	N/A	-0.427412782	0.001963	Second scenario
ENSG00000258903	N/A	-0.29534448	0.037317	Second scenario
ENSG00000253553	N/A	-0.434328963	0.001624	Second scenario
ENSG00000271009	N/A	-0.31524777	0.02575	Second scenario
ENSG00000226143	N/A	-0.289307645	0.041572	Second scenario
ENSG00000237027	N/A	-0.33042145	0.019099	Second scenario
ENSG00000257588	N/A	-0.472631442	0.000529	Second scenario
ENSG00000271474	N/A	-0.33974681	0.015783	Second scenario
ENSG00000255750	N/A	-0.278791759	0.049931	Second scenario
ENSG00000236641	N/A	-0.366225355	0.008905	Second scenario
ENSG00000259666	N/A	-0.413348396	0.002849	Second scenario
ENSG00000273406	N/A	-0.412443355	0.002917	Second scenario
ENSG00000257022	N/A	-0.29007598	0.041009	Second scenario
ENSG00000261202	N/A	-0.401364367	0.003867	Second scenario
ENSG00000260978	N/A	-0.612656639	2.26x10 ⁻⁶	Second scenario
ENSG00000230918	N/A	-0.571011543	1.49x10 ⁻⁵	Second scenario
ENSG00000231421	N/A	-0.283078419	0.046372	Second scenario
ENSG00000237429	N/A	-0.401279378	0.003875	Second scenario
ENSG00000233791	N/A	-0.3278796	0.0201	Second scenario
ENSG00000226363	N/A	-0.329350478	0.019516	Second scenario
ENSG00000240868	N/A	-0.295538413	0.037186	Second scenario
ENSG00000259720	N/A	-0.290091866	0.040998	Second scenario
ENSG00000221817	N/A	-0.299425915	0.034649	Second scenario
ENSG00000241679	N/A	-0.316419142	0.025176	Second scenario
ENSG00000261706	N/A	-0.28340223	0.046112	Second scenario
ENSG00000260403	N/A	-0.352054874	0.012166	Second scenario
ENSG00000233633	N/A	-0.337939011	0.016385	Second scenario
ENSG00000263072	N/A	-0.423939077	0.002155	Second scenario
ENSG00000263301	N/A	-0.329400105	0.019496	Second scenario
ENSG00000257475	N/A	-0.285272389	0.044633	Second scenario
ENSG00000273032	N/A	-0.298208317	0.035428	Second scenario
ENSG00000228251	N/A	-0.419302158	0.002438	Second scenario
ENSG00000230749	N/A	-0.546287059	4.06x10 ⁻⁵	Second scenario
ENSG00000272788	N/A	-0.291301381	0.040125	Second scenario
ENSG00000229160	N/A	-0.361638959	0.009866	Second scenario
ENSG00000254443	N/A	-0.293819016	0.038357	Second scenario
ENSG00000254528	N/A	-0.332693626	0.018241	Second scenario
ENSG00000261703	N/A	-0.369002077	0.008364	Second scenario
ENSG00000267304	N/A	-0.364025531	0.009356	Second scenario
ENSG00000225208	N/A	-0.575576036	1.23x10 ⁻⁵	Second scenario
ENSG00000261569	N/A	-0.385849681	0.00565	Second scenario
ENSG00000248567	N/A	-0.296192992	0.036749	Second scenario
ENSG00000260629	N/A	-0.450233708	0.001035	Second scenario
ENSG00000260345	N/A	-0.344057941	0.014424	Second scenario
ENSG00000259564	N/A	-0.294946387	0.037586	Second scenario
ENSG00000226548	N/A	-0.278839683	0.04989	Second scenario
ENSG00000267727	N/A	-0.308098852	0.0295	Second scenario
ENSG00000254632	N/A	-0.343018255	0.014742	Second scenario
ENSG00000227947	N/A	-0.419858131	0.002402	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000236394	N/A	-0.316453043	0.025159	Second scenario
ENSG00000229774	N/A	-0.311118146	0.027864	Second scenario
ENSG00000255317	N/A	-0.432292703	0.001718	Second scenario
ENSG00000233854	N/A	-0.293134854	0.038831	Second scenario
ENSG00000271781	N/A	-0.317554436	0.024629	Second scenario
ENSG00000273387	N/A	-0.384323401	0.005859	Second scenario
ENSG00000248925	N/A	-0.315832302	0.025462	Second scenario
ENSG00000256995	N/A	-0.307113861	0.03005	Second scenario
ENSG00000253351	N/A	-0.299722478	0.034461	Second scenario
ENSG00000258088	N/A	-0.459969621	0.000777	Second scenario
ENSG00000186369	N/A	-0.433583934	0.001658	Second scenario
ENSG00000231064	N/A	-0.302659549	0.032648	Second scenario
ENSG00000224814	N/A	-0.400664701	0.003935	Second scenario
ENSG00000261126	N/A	-0.309548854	0.028705	Second scenario
ENSG00000258121	N/A	-0.493714134	0.000269	Second scenario
ENSG00000254291	N/A	-0.279571784	0.049267	Second scenario
ENSG00000232354	N/A	-0.3570583	0.010914	Second scenario
ENSG00000272982	N/A	-0.288703489	0.042019	Second scenario
ENSG00000273221	N/A	-0.288703489	0.042019	Second scenario
ENSG00000261475	N/A	-0.320791681	0.023125	Second scenario
ENSG00000224842	N/A	-0.299396473	0.034667	Second scenario
ENSG00000227039	N/A	-0.338894523	0.016064	Second scenario
ENSG00000256814	N/A	-0.398420446	0.004161	Second scenario
ENSG00000230372	N/A	-0.293353861	0.038678	Second scenario
ENSG00000270403	N/A	-0.402835363	0.003727	Second scenario
ENSG00000229196	N/A	-0.530932672	7.29x10 ⁻⁵	Second scenario
ENSG00000230530	N/A	-0.299363465	0.034688	Second scenario
ENSG00000236301	N/A	-0.287472794	0.042942	Second scenario
ENSG00000235119	N/A	-0.403793742	0.003638	Second scenario
ENSG00000223548	N/A	-0.446114541	0.001166	Second scenario
ENSG00000271871	N/A	-0.436278547	0.001539	Second scenario
ENSG00000235785	N/A	-0.306858732	0.030194	Second scenario
ENSG00000230866	N/A	-0.288039654	0.042515	Second scenario
ENSG00000215159	N/A	-0.29504438	0.03752	Second scenario
ENSG00000231138	N/A	-0.395503743	0.004472	Second scenario
ENSG00000259624	N/A	-0.463619952	0.000697	Second scenario
ENSG00000272139	N/A	-0.431818701	0.001741	Second scenario
ENSG00000253894	N/A	-0.334207018	0.017688	Second scenario
ENSG00000249106	N/A	-0.47826928	0.000443	Second scenario
ENSG00000269919	N/A	-0.386248954	0.005597	Second scenario
ENSG00000224243	N/A	-0.327640503	0.020196	Second scenario
ENSG00000259783	N/A	-0.301045984	0.033634	Second scenario
ENSG00000241101	N/A	-0.409797331	0.003123	Second scenario
ENSG00000259319	N/A	-0.311360849	0.027736	Second scenario
ENSG00000229647	N/A	-0.591543373	6.07x10 ⁻⁶	Second scenario
ENSG00000273328	N/A	-0.291802708	0.039768	Second scenario
ENSG00000228838	N/A	-0.427160564	0.001976	Second scenario
ENSG00000215117	N/A	-0.334496606	0.017584	Second scenario
ENSG00000204092	N/A	-0.331876351	0.018546	Second scenario
ENSG00000255202	N/A	-0.345488198	0.013996	Second scenario
ENSG00000273006	N/A	-0.315806967	0.025475	Second scenario
ENSG00000259457	N/A	-0.340241436	0.015622	Second scenario
ENSG00000232977	N/A	-0.377076681	0.006948	Second scenario
ENSG00000254519	N/A	-0.340831653	0.015431	Second scenario
ENSG00000226526	N/A	-0.289767086	0.041235	Second scenario
ENSG00000255491	N/A	-0.311432242	0.027699	Second scenario
ENSG00000273449	N/A	-0.360235621	0.010178	Second scenario
ENSG00000225819	N/A	-0.284128636	0.045533	Second scenario
ENSG00000257228	N/A	-0.367143218	0.008723	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000260182	N/A	-0.323601151	0.021883	Second scenario
ENSG00000237705	N/A	-0.358756965	0.010515	Second scenario
ENSG00000225331	N/A	-0.361802699	0.00983	Second scenario
ENSG00000233554	N/A	-0.531430564	7.16x10 ⁻⁵	Second scenario
ENSG00000260496	N/A	-0.316054872	0.025353	Second scenario
ENSG00000254571	N/A	-0.314026425	0.026361	Second scenario
ENSG00000237993	N/A	-0.293320304	0.038702	Second scenario
ENSG00000259521	N/A	-0.352747548	0.011986	Second scenario
ENSG00000256546	N/A	-0.425197379	0.002083	Second scenario
ENSG00000242349	N/A	-0.283125801	0.046334	Second scenario
ENSG00000236426	N/A	-0.335651563	0.017174	Second scenario
ENSG00000237520	N/A	-0.527014495	8.42x10 ⁻⁵	Second scenario
ENSG00000258422	N/A	-0.315819202	0.025469	Second scenario
ENSG00000238164	N/A	-0.433598044	0.001657	Second scenario
ENSG00000273472	N/A	-0.42542004	0.002071	Second scenario
ENSG00000226181	N/A	-0.314968965	0.025889	Second scenario
ENSG00000254942	N/A	-0.399752565	0.004025	Second scenario
ENSG00000236874	N/A	-0.348548319	0.013116	Second scenario
ENSG00000256504	N/A	-0.288130055	0.042447	Second scenario
ENSG00000260682	N/A	-0.342889338	0.014782	Second scenario
ENSG00000233978	N/A	-0.334384171	0.017624	Second scenario
ENSG00000230555	N/A	-0.556065158	2.76x10 ⁻⁵	Second scenario
ENSG00000273149	N/A	-0.309568511	0.028694	Second scenario
ENSG00000254239	N/A	-0.309018709	0.028993	Second scenario
ENSG00000270112	N/A	-0.572405117	1.40x10 ⁻⁵	Second scenario
ENSG00000268618	N/A	-0.428798271	0.00189	Second scenario
ENSG00000272354	N/A	-0.32673423	0.020565	Second scenario
ENSG00000272370	N/A	-0.298013816	0.035553	Second scenario
ENSG00000255680	N/A	-0.363918849	0.009378	Second scenario
ENSG00000256139	N/A	-0.583851306	8.56x10 ⁻⁶	Second scenario
ENSG00000241457	N/A	-0.500088862	0.000217	Second scenario
ENSG00000250341	N/A	-0.368406426	0.008477	Second scenario
ENSG00000237750	N/A	-0.310802893	0.028031	Second scenario
ENSG00000261648	N/A	-0.333267606	0.01803	Second scenario
ENSG00000272701	N/A	-0.347149397	0.013512	Second scenario
ENSG00000233223	N/A	-0.333057463	0.018107	Second scenario
ENSG00000225914	N/A	-0.460740661	0.00076	Second scenario
ENSG00000261685	N/A	-0.434294824	0.001626	Second scenario
ENSG00000244161	N/A	-0.318065021	0.024387	Second scenario
ENSG00000227403	N/A	-0.493255669	0.000273	Second scenario
ENSG00000256427	N/A	-0.379631852	0.006546	Second scenario
ENSG00000250407	N/A	-0.400997355	0.003902	Second scenario
ENSG00000236358	N/A	-0.377783714	0.006834	Second scenario
ENSG00000250379	N/A	-0.400800522	0.003922	Second scenario
ENSG00000238212	N/A	-0.356411959	0.011069	Second scenario
ENSG00000205866	N/A	-0.314872264	0.025937	Second scenario
ENSG00000223678	N/A	-0.304339435	0.031647	Second scenario
ENSG00000265749	N/A	-0.297862118	0.035652	Second scenario
ENSG00000255480	N/A	-0.345406137	0.01402	Second scenario
ENSG00000229301	N/A	-0.303177238	0.032337	Second scenario
ENSG00000236449	N/A	-0.478509509	0.00044	Second scenario
ENSG00000231173	N/A	-0.281360765	0.047772	Second scenario
ENSG00000224347	N/A	-0.281132043	0.047961	Second scenario
ENSG00000254556	N/A	-0.388043644	0.005361	Second scenario
ENSG00000273396	N/A	-0.356506248	0.011046	Second scenario
ENSG00000239921	N/A	-0.338185717	0.016301	Second scenario
ENSG00000271943	N/A	-0.473474027	0.000515	Second scenario
ENSG00000271991	N/A	-0.287876433	0.042637	Second scenario
ENSG00000258520	N/A	-0.31281287	0.02698	Second scenario

Table SI. Continued.

ENSG	Expression	PCC	PCC.pval	Scenario
ENSG00000260570	N/A	-0.374690564	0.007343	Second scenario
ENSG00000237341	N/A	-0.30951966	0.028721	Second scenario
ENSG00000250929	N/A	-0.376001664	0.007123	Second scenario
ENSG00000268677	N/A	-0.342831752	0.0148	Second scenario
ENSG00000233936	N/A	-0.289179395	0.041667	Second scenario
ENSG00000266100	N/A	-0.366218112	0.008907	Second scenario
ENSG00000238160	N/A	-0.321087826	0.022991	Second scenario
ENSG00000264486	N/A	-0.315747382	0.025504	Second scenario
ENSG00000258748	N/A	-0.2920665	0.039581	Second scenario
ENSG00000261384	N/A	-0.313792014	0.02648	Second scenario
ENSG00000273289	N/A	-0.329514571	0.019451	Second scenario
ENSG00000264735	N/A	-0.291781915	0.039782	Second scenario
ENSG00000230733	N/A	-0.3694674	0.008276	Second scenario
ENSG00000262468	N/A	-0.326780117	0.020546	Second scenario
ENSG00000225750	N/A	-0.465194574	0.000664	Second scenario
ENSG00000254568	N/A	-0.439248594	0.001416	Second scenario
ENSG00000269901	N/A	-0.312820577	0.026976	Second scenario
ENSG00000270761	N/A	-0.490837251	0.000296	Second scenario
ENSG00000272338	N/A	-0.280793185	0.048242	Second scenario
ENSG00000255451	N/A	-0.484575332	0.000362	Second scenario
ENSG00000225761	N/A	-0.340695367	0.015475	Second scenario
ENSG00000273293	N/A	-0.471272673	0.000551	Second scenario
ENSG00000225472	N/A	-0.398293089	0.004174	Second scenario
ENSG00000261659	N/A	-0.355472696	0.011298	Second scenario
ENSG00000227256	N/A	-0.281682977	0.047507	Second scenario
ENSG00000263126	N/A	-0.330264177	0.01916	Second scenario
ENSG00000256204	N/A	-0.330591922	0.019034	Second scenario
ENSG00000260030	N/A	-0.357033448	0.01092	Second scenario
ENSG00000250218	N/A	-0.297777605	0.035707	Second scenario
ENSG00000230074	N/A	-0.414047853	0.002798	Second scenario
ENSG00000245522	N/A	-0.298431612	0.035284	Second scenario
ENSG00000224272	N/A	-0.345386924	0.014026	Second scenario
ENSG00000271941	N/A	-0.354596009	0.011516	Second scenario
ENSG00000231633	N/A	-0.335094128	0.017371	Second scenario
ENSG00000228735	N/A	-0.425291407	0.002078	Second scenario
ENSG00000237371	N/A	-0.280331115	0.048628	Second scenario
ENSG00000227306	N/A	-0.42005669	0.00239	Second scenario
ENSG00000259553	N/A	-0.336627784	0.016833	Second scenario
ENSG00000271065	N/A	-0.328574552	0.019822	Second scenario
ENSG00000272218	N/A	-0.515879673	0.000126	Second scenario
ENSG00000241313	N/A	-0.531729028	7.08x10 ⁻⁵	Second scenario
ENSG00000262160	N/A	-0.352827621	0.011965	Second scenario
ENSG00000271398	N/A	-0.348484853	0.013134	Second scenario
ENSG00000253302	N/A	-0.288729086	0.042	Second scenario
ENSG00000234148	N/A	-0.36386497	0.009389	Second scenario
ENSG00000228235	N/A	-0.303389913	0.03221	Second scenario
ENSG00000229776	N/A	-0.287265579	0.043099	Second scenario

Table SII. List of all prognostic methylation-mediated lncRNA binary tuples.

A, Hypermethylated					
lncRNA	mRNA	lncRNA.symbol	mRNA.symbol	survival.pval (training)	survival.pval (testing)
ENSG00000181800	ENSG00000165288	CELF2-AS1	BRWD3	0.016279914	0.007698346
ENSG00000223768	ENSG00000160867	LINC00205	FGFR4	0.043604201	0.001249383
ENSG00000227544	ENSG00000050165	AC018647.3	DKK3	0.043900588	4.21x10 ⁻⁵
ENSG00000253106	ENSG00000171681	RP11-158K1.3	ATF7IP	0.024244489	0.010240916
ENSG00000257913	ENSG00000221972	RP11-386G11.5	C3orf36	0.005020359	0.001445171
ENSG00000257913	ENSG00000198910	RP11-386G11.5	L1CAM	0.038556041	0.044160603
ENSG00000260837	ENSG00000129159	RP11-434B12.1	KCNC1	0.006796077	4.21x10 ⁻⁵
ENSG00000260837	ENSG00000145990	RP11-434B12.1	GFOD1	0.0427889	4.21x10 ⁻⁵
ENSG00000261096	ENSG00000064042	RP11-690I21.2	LIMCH1	0.043504198	0.010043398
ENSG00000261101	ENSG00000165288	RP4-545K15.5	BRWD3	0.037112213	0.029456683
ENSG00000272335	ENSG00000175054	RP11-53O19.3	ATR	0.010109216	0.003619444
ENSG00000272335	ENSG00000168702	RP11-53O19.3	LRP1B	0.040848177	0.028918651
ENSG00000273156	ENSG00000138759	RP11-127B20.2	FRAS1	0.010446727	0.036575159
B, Hypomethylated					
lncRNA	mRNA	lncRNA.symbol	mRNA.symbol	survival.pval (training)	survival.pval (testing)
ENSG00000130600	ENSG00000117308	H19	GALE	0.036802559	0.001694894
ENSG00000153363	ENSG00000154710	LINC00467	RABGEF1	0.010679689	0.030626025
ENSG00000163597	ENSG00000090432	SNHG16	MUL1	0.022712469	0.041709452
ENSG00000163597	ENSG00000119285	SNHG16	HEATR1	0.037941144	0.02218431
ENSG00000170919	ENSG00000174498	TPT1-AS1	IGDCC3	0.018093202	0.006831802
ENSG00000214719	ENSG00000152359	AC005562.1	POC5	0.029406285	0.006958891
ENSG00000214719	ENSG00000119725	AC005562.1	ZNF410	0.032874564	3.51x10 ⁻¹⁴
ENSG00000215068	ENSG00000049768	AC025171.1	FOXP3	0.015717948	0.016774044
ENSG00000226200	ENSG00000187240	RP11-50E11.3	DYNC2H1	0.035872336	0.033357417
ENSG00000227640	ENSG00000170903	SOX21-AS1	MSANTD4	0.045805382	0.000279638
ENSG00000229196	ENSG00000184731	RP11-775D22.2	FAM110C	0.020759728	0.007473099
ENSG00000230555	ENSG00000095587	RP11-517P14.2	TLL2	0.049863295	0.038766258
ENSG00000232021	ENSG00000160588	LEF1-AS1	MPZL3	0.03110137	0.045807653
ENSG00000236088	ENSG00000076321	COX10-AS1	KLHL20	0.018874663	0.023100157
ENSG00000236088	ENSG00000197020	COX10-AS1	ZNF100	0.024223331	0.001334534
ENSG00000236740	ENSG00000155324	RP11-411K7.1	GRAMD3	0.038195353	0.049550642
ENSG00000240758	ENSG00000108839	RP11-155G14.6	ALOX12	0.021588624	0.014596184
ENSG00000240859	ENSG00000163599	AC093627.10	CTLA4	0.042377202	0.016436949
ENSG00000245060	ENSG00000144199	LINC00847	FAHD2B	0.041842454	0.00626976
ENSG00000254528	ENSG00000182378	RP11-728F11.4	PLCXD1	0.038206103	0.029416229
ENSG00000255571	ENSG00000148386	LINC00925	LCN9	0.039076404	0.006690455
ENSG00000255571	ENSG00000171681	LINC00925	ATF7IP	0.024244489	0.002694508
ENSG00000256546	ENSG00000134602	AC156455.1	MST4	0.032976983	0.02361823
ENSG00000260464	ENSG00000107954	RP4-561L24.3	NEURL	0.001112529	0.019864865
ENSG00000260793	ENSG00000130827	RP5-882C2.2	PLXNA3	0.045948123	0.047778843
ENSG00000260793	ENSG00000196865	RP5-882C2.2	NHLRC2	0.042539043	0.001738834
ENSG00000264772	ENSG00000124882	SNORA67	EREG	0.037903342	3.07x10 ⁻⁶
ENSG00000267080	ENSG00000235194	ASB16-AS1	PPP1R3E	0.036684883	0.042357738

lncRNA, long non-coding RNA.