

Figure S1. Clustering heatmaps of eigengenes (long non-coding RNAs and genes) in four significant subarachnoid hemorrhage-associated modules. Red and green represent upregulation and downregulation, respectively.

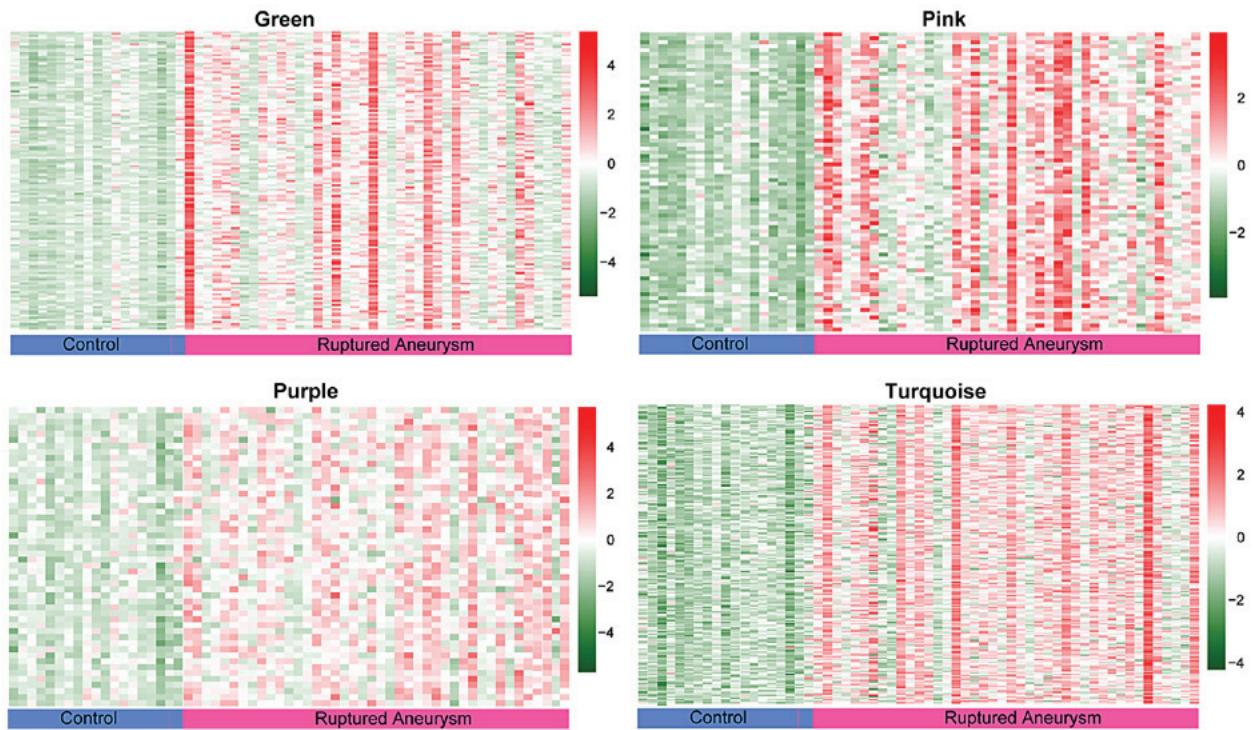


Figure S2. lncRNA-mRNA regulatory network for genes in the four upregulated WGCNA modules. lncRNAs and mRNAs are represented by boxes and circles, respectively. All nodes are upregulated in blood samples from patients with intracranial aneurysm rupture-induced subarachnoid hemorrhage compared with controls. The colors represent WGCNA modules. Node size corresponds to the interaction degree. All interactions have a Pearson's correlation coefficient (r) ≥ 0.6 . lncRNA, long non-coding RNA; WGCNA, weighted gene co-expression network analysis.

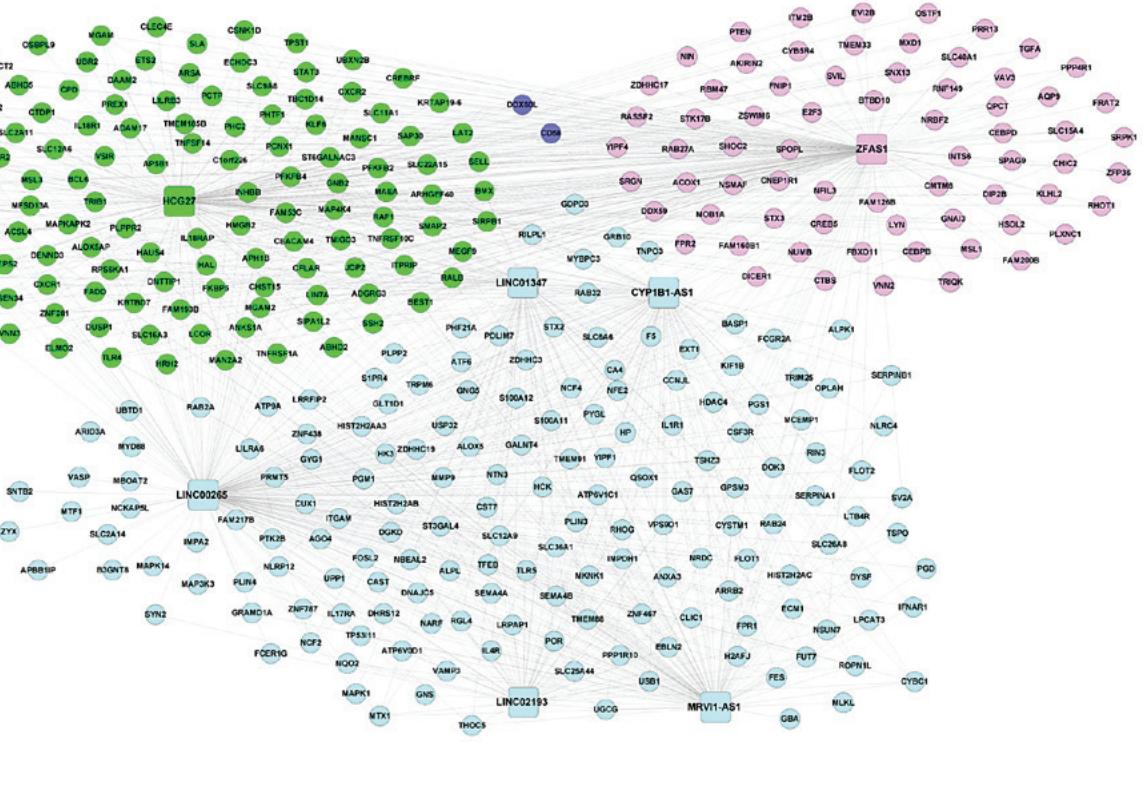


Table SI. List of DElncRNAs and DEGs in intracranial aneurysm samples in the positively significant weighted gene co-expression network analysis modules.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1723662	gene	3.01x10 ⁻²	2.11x10 ⁻³	0.281	green
ILMN_1655702	gene	3.96x10 ⁻²	3.09x10 ⁻³	0.509	green
ILMN_2367165	gene	1.80x10 ⁻²	1.02x10 ⁻³	0.446	green
ILMN_1683598	gene	3.86x10 ⁻²	2.99x10 ⁻³	0.522	green
ILMN_2243308	gene	2.13x10 ⁻²	1.29x10 ⁻³	0.461	green
ILMN_2121068	gene	1.85x10 ⁻²	1.06x10 ⁻³	0.362	green
ILMN_1765941	gene	2.65x10 ⁻³	5.96x10 ⁻⁵	0.835	green
ILMN_2393149	gene	2.91x10 ⁻³	6.95x10 ⁻⁵	0.301	green
ILMN_1797875	gene	6.18x10 ⁻⁴	4.81x10 ⁻⁶	0.657	green
ILMN_1813669	gene	4.45x10 ⁻²	3.67x10 ⁻³	0.342	green
ILMN_1717594	gene	4.34x10 ⁻³	1.28x10 ⁻⁴	0.566	green
ILMN_1767816	gene	6.63x10 ⁻⁴	5.40x10 ⁻⁶	0.608	green
ILMN_1674394	gene	9.39x10 ⁻⁵	1.91x10 ⁻⁷	0.836	green
ILMN_1812281	gene	9.09x10 ⁻⁴	9.89x10 ⁻⁶	1.751	green
ILMN_1765876	gene	1.20x10 ⁻²	5.60x10 ⁻⁴	0.493	green
ILMN_1705743	gene	2.23x10 ⁻²	1.38x10 ⁻³	0.512	green
ILMN_1656477	gene	4.33x10 ⁻²	3.51x10 ⁻³	0.279	green
ILMN_1715635	gene	2.62x10 ⁻²	1.73x10 ⁻³	0.343	green
ILMN_1737314	gene	5.30x10 ⁻⁴	3.55x10 ⁻⁶	0.960	green
ILMN_1718982	gene	2.79x10 ⁻²	1.89x10 ⁻³	0.441	green
ILMN_1796138	gene	2.45x10 ⁻³	5.22x10 ⁻⁵	0.548	green
ILMN_1803473	gene	1.73x10 ⁻²	9.57x10 ⁻⁴	0.628	green
ILMN_1733288	gene	3.20x10 ⁻⁴	1.43x10 ⁻⁶	0.591	green
ILMN_1679339	gene	1.64x10 ⁻²	8.86x10 ⁻⁴	0.386	green
ILMN_1716080	gene	2.42x10 ⁻²	1.54x10 ⁻³	0.380	green
ILMN_2379599	gene	7.57x10 ⁻³	2.88x10 ⁻⁴	0.930	green
ILMN_1657455	gene	1.40x10 ⁻²	7.02x10 ⁻⁴	0.506	green
ILMN_1789830	gene	3.63x10 ⁻³	9.53x10 ⁻⁵	0.618	green
ILMN_1670926	gene	2.76x10 ⁻²	1.86x10 ⁻³	0.438	green
ILMN_1771664	gene	2.65x10 ⁻²	1.75x10 ⁻³	0.551	green
ILMN_1703074	gene	1.20x10 ⁻²	5.66x10 ⁻⁴	0.710	green
ILMN_2195821	gene	2.21x10 ⁻²	1.36x10 ⁻³	0.484	green
ILMN_1661196	gene	3.99x10 ⁻⁴	1.95x10 ⁻⁶	0.562	green
ILMN_1799208	gene	3.12x10 ⁻²	2.22x10 ⁻³	0.513	green
ILMN_1720708	gene	2.47x10 ⁻²	1.59x10 ⁻³	0.359	green
ILMN_1815759	gene	1.24x10 ⁻³	1.70x10 ⁻⁵	0.420	green
ILMN_1662524	gene	1.78x10 ⁻²	9.97x10 ⁻⁴	0.472	green
ILMN_1680397	gene	2.18x10 ⁻²	1.34x10 ⁻³	0.457	green
ILMN_1752668	gene	1.59x10 ⁻²	8.50x10 ⁻⁴	0.738	green
ILMN_1692742	gene	3.77x10 ⁻²	2.88x10 ⁻³	0.389	green
ILMN_1691117	gene	2.45x10 ⁻³	5.22x10 ⁻⁵	0.312	green
ILMN_1781285	gene	4.17x10 ⁻²	3.34x10 ⁻³	0.611	green
ILMN_2072178	gene	1.38x10 ⁻²	6.89x10 ⁻⁴	1.009	green
ILMN_1736048	gene	2.92x10 ⁻²	2.02x10 ⁻³	0.295	green
ILMN_2317730	gene	1.86x10 ⁻²	1.07x10 ⁻³	0.342	green
ILMN_1664068	gene	2.70x10 ⁻²	1.79x10 ⁻³	0.513	green
ILMN_1720158	gene	5.70x10 ⁻³	1.88x10 ⁻⁴	0.603	green
ILMN_1758658	gene	5.55x10 ⁻⁴	3.87x10 ⁻⁶	0.465	green
ILMN_1713402	gene	9.16x10 ⁻³	3.80x10 ⁻⁴	0.434	green
ILMN_1654630	gene	3.27x10 ⁻²	2.37x10 ⁻³	0.285	green
ILMN_1744508	gene	7.28x10 ⁻³	2.71x10 ⁻⁴	0.433	green
ILMN_1778444	gene	4.56x10 ⁻³	1.37x10 ⁻⁴	0.981	green
ILMN_1781416	gene	1.16x10 ⁻³	1.51x10 ⁻⁵	0.539	green
ILMN_1658928	gene	3.50x10 ⁻²	2.60x10 ⁻³	0.298	green
ILMN_2074748	gene	2.54x10 ⁻²	1.65x10 ⁻³	0.529	green

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1771003	gene	3.39x10 ⁻²	2.49x10 ⁻³	0.566	green
ILMN_1746436	lncRNA	2.78x10 ⁻²	1.87x10 ⁻³	0.440	green
ILMN_1654268	gene	2.02x10 ⁻²	1.20x10 ⁻³	0.612	green
ILMN_1722411	gene	2.75x10 ⁻²	1.85x10 ⁻³	0.319	green
ILMN_1781700	gene	7.24x10 ⁻³	2.70x10 ⁻⁴	1.306	green
ILMN_1721762	gene	8.27x10 ⁻⁵	1.42x10 ⁻⁷	1.636	green
ILMN_1772131	gene	1.32x10 ⁻³	1.87x10 ⁻⁵	1.504	green
ILMN_1685714	gene	2.65x10 ⁻²	1.75x10 ⁻³	0.405	green
ILMN_2083469	gene	4.21x10 ⁻²	3.39x10 ⁻³	0.684	green
ILMN_1805192	gene	1.74x10 ⁻³	2.94x10 ⁻⁵	0.472	green
ILMN_1747205	gene	3.71x10 ⁻²	2.81x10 ⁻³	0.330	green
ILMN_1730303	gene	2.29x10 ⁻²	1.43x10 ⁻³	0.464	green
ILMN_1735014	gene	2.59x10 ⁻²	1.70x10 ⁻³	0.383	green
ILMN_2189222	gene	8.04x10 ⁻³	3.12x10 ⁻⁴	0.655	green
ILMN_1784216	gene	6.59x10 ⁻³	2.35x10 ⁻⁴	0.834	green
ILMN_2326953	gene	2.46x10 ⁻²	1.57x10 ⁻³	0.379	green
ILMN_1689817	gene	8.07x10 ⁻³	3.15x10 ⁻⁴	0.336	green
ILMN_1784884	gene	4.15x10 ⁻³	1.19x10 ⁻⁴	0.546	green
ILMN_1806293	gene	2.57x10 ⁻³	5.61x10 ⁻⁵	0.537	green
ILMN_1670272	gene	2.08x10 ⁻²	1.25x10 ⁻³	0.373	green
ILMN_1747771	gene	3.70x10 ⁻²	2.80x10 ⁻³	0.287	green
ILMN_1815148	gene	1.37x10 ⁻²	6.82x10 ⁻⁴	0.556	green
ILMN_2142752	gene	1.46x10 ⁻³	2.26x10 ⁻⁵	0.719	green
ILMN_2375002	gene	1.02x10 ⁻²	4.42x10 ⁻⁴	0.415	green
ILMN_1774844	gene	2.84x10 ⁻²	1.93x10 ⁻³	0.339	green
ILMN_2290118	gene	1.06x10 ⁻²	4.72x10 ⁻⁴	0.688	green
ILMN_1651385	gene	4.57x10 ⁻²	3.80x10 ⁻³	0.405	green
ILMN_1808566	gene	2.03x10 ⁻²	1.20x10 ⁻³	0.318	green
ILMN_1712999	gene	6.21x10 ⁻³	2.15x10 ⁻⁴	0.882	green
ILMN_1700855	gene	3.32x10 ⁻³	8.38x10 ⁻⁵	0.541	green
ILMN_1713156	gene	1.20x10 ⁻²	5.59x10 ⁻⁴	0.652	green
ILMN_1739641	gene	3.03x10 ⁻⁴	1.28x10 ⁻⁶	0.638	green
ILMN_2313856	gene	1.87x10 ⁻²	1.08x10 ⁻³	0.292	green
ILMN_3307772	gene	9.14x10 ⁻³	3.77x10 ⁻⁴	0.394	green
ILMN_1740010	gene	1.86x10 ⁻³	3.34x10 ⁻⁵	0.615	green
ILMN_1802257	gene	1.06x10 ⁻²	4.66x10 ⁻⁴	0.456	green
ILMN_1723436	gene	3.19x10 ⁻²	2.29x10 ⁻³	0.728	green
ILMN_1653292	gene	7.35x10 ⁻³	2.76x10 ⁻⁴	0.514	green
ILMN_1808047	gene	1.69x10 ⁻³	2.80x10 ⁻⁵	0.814	green
ILMN_1803464	gene	2.90x10 ⁻³	6.90x10 ⁻⁵	0.686	green
ILMN_1667319	gene	2.42x10 ⁻²	1.54x10 ⁻³	0.392	green
ILMN_1800164	gene	4.36x10 ⁻²	3.56x10 ⁻³	0.317	green
ILMN_1777342	gene	4.78x10 ⁻²	4.04x10 ⁻³	0.359	green
ILMN_1716524	gene	6.51x10 ⁻³	2.29x10 ⁻⁴	0.396	green
ILMN_1813489	gene	3.79x10 ⁻²	2.91x10 ⁻³	0.297	green
ILMN_1676358	gene	1.22x10 ⁻³	1.61x10 ⁻⁵	0.736	green
ILMN_1714650	gene	1.32x10 ⁻²	6.43x10 ⁻⁴	0.367	green
ILMN_1656934	gene	2.14x10 ⁻³	4.17x10 ⁻⁵	0.810	green
ILMN_1715173	gene	9.10x10 ⁻³	3.75x10 ⁻⁴	0.304	green
ILMN_1700896	gene	1.56x10 ⁻³	2.52x10 ⁻⁵	0.853	green
ILMN_1724422	gene	2.18x10 ⁻²	1.33x10 ⁻³	0.431	green
ILMN_1732923	gene	2.79x10 ⁻³	6.53x10 ⁻⁵	0.984	green
ILMN_1733997	gene	8.13x10 ⁻⁴	8.23x10 ⁻⁶	0.607	green
ILMN_2345898	gene	6.11x10 ⁻³	2.09x10 ⁻⁴	0.617	green
ILMN_1741165	gene	1.13x10 ⁻²	5.12x10 ⁻⁴	0.765	green

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1767992	gene	1.19x10 ⁻³	1.54x10 ⁻⁵	0.407	green
ILMN_2364022	gene	8.51x10 ⁻³	3.42x10 ⁻⁴	0.433	green
ILMN_1730639	gene	3.45x10 ⁻³	8.85x10 ⁻⁵	0.594	green
ILMN_1748090	gene	4.67x10 ⁻³	1.42x10 ⁻⁴	1.118	green
ILMN_1690625	gene	2.76x10 ⁻³	6.40x10 ⁻⁵	0.536	green
ILMN_2081682	gene	1.26x10 ⁻²	6.06x10 ⁻⁴	0.513	green
ILMN_1764414	gene	7.19x10 ⁻³	2.66x10 ⁻⁴	0.265	green
ILMN_1672834	gene	4.00x10 ⁻²	3.14x10 ⁻³	0.417	green
ILMN_2127379	gene	5.30x10 ⁻⁴	3.56x10 ⁻⁶	0.544	green
ILMN_2410986	gene	2.33x10 ⁻²	1.46x10 ⁻³	0.396	green
ILMN_1779886	gene	2.83x10 ⁻²	1.92x10 ⁻³	0.420	green
ILMN_1772387	gene	2.91x10 ⁻²	2.00x10 ⁻³	0.525	green
ILMN_1706217	gene	3.24x10 ⁻³	8.16x10 ⁻⁵	0.675	green
ILMN_2231020	gene	3.93x10 ⁻²	3.06x10 ⁻³	0.393	green
ILMN_1733259	gene	4.51x10 ⁻²	3.74x10 ⁻³	0.537	green
ILMN_1702759	gene	1.27x10 ⁻²	6.11x10 ⁻⁴	0.467	green
ILMN_1672114	gene	1.22x10 ⁻²	5.78x10 ⁻⁴	0.442	green
ILMN_1685005	gene	3.64x10 ⁻²	2.74x10 ⁻³	0.379	green
ILMN_1655414	gene	4.32x10 ⁻³	1.27x10 ⁻⁴	0.541	green
ILMN_1651950	gene	3.95x10 ⁻³	1.09x10 ⁻⁴	1.002	green
ILMN_1803811	gene	2.78x10 ⁻²	1.87x10 ⁻³	0.499	green
ILMN_2368292	gene	4.25x10 ⁻³	1.24x10 ⁻⁴	0.444	green
ILMN_1784300	gene	2.36x10 ⁻²	1.49x10 ⁻³	0.490	green
ILMN_1663489	gene	1.13x10 ⁻²	5.15x10 ⁻⁴	0.315	green
ILMN_3236556	gene	7.22x10 ⁻⁴	6.43x10 ⁻⁶	0.705	green
ILMN_1804935	gene	1.13x10 ⁻²	5.14x10 ⁻⁴	0.606	green
ILMN_2205963	gene	3.74x10 ⁻³	1.00x10 ⁻⁴	0.559	green
ILMN_1755235	gene	7.34x10 ⁻³	2.75x10 ⁻⁴	0.562	green
ILMN_1683127	gene	6.94x10 ⁻⁴	5.88x10 ⁻⁶	0.709	green
ILMN_1711361	gene	1.96x10 ⁻²	1.15x10 ⁻³	0.321	green
ILMN_1750158	gene	2.19x10 ⁻²	1.34x10 ⁻³	0.476	pink
ILMN_2148847	gene	7.16x10 ⁻³	2.65x10 ⁻⁴	0.403	pink
ILMN_1715068	gene	7.15x10 ⁻⁴	6.27x10 ⁻⁶	0.719	pink
ILMN_1809344	gene	3.23x10 ⁻²	2.34x10 ⁻³	0.336	pink
ILMN_1689836	gene	4.20x10 ⁻²	3.37x10 ⁻³	0.368	pink
ILMN_1693014	gene	2.04x10 ⁻³	3.83x10 ⁻⁵	0.608	pink
ILMN_1782050	gene	2.11x10 ⁻³	4.02x10 ⁻⁵	0.690	pink
ILMN_1679428	gene	1.38x10 ⁻³	2.05x10 ⁻⁵	0.529	pink
ILMN_1696494	gene	3.26x10 ⁻²	2.36x10 ⁻³	0.453	pink
ILMN_1653134	gene	8.36x10 ⁻³	3.33x10 ⁻⁴	0.447	pink
ILMN_1731714	gene	1.79x10 ⁻³	3.12x10 ⁻⁵	0.715	pink
ILMN_2144574	gene	1.16x10 ⁻³	1.50x10 ⁻⁵	0.460	pink
ILMN_1688158	gene	1.01x10 ⁻²	4.35x10 ⁻⁴	0.465	pink
ILMN_1748077	gene	3.87x10 ⁻³	1.05x10 ⁻⁴	0.393	pink
ILMN_2349831	gene	4.73x10 ⁻²	3.98x10 ⁻³	0.377	pink
ILMN_2180352	gene	4.28x10 ⁻²	3.46x10 ⁻³	0.332	pink
ILMN_1669502	gene	1.18x10 ⁻²	5.46x10 ⁻⁴	0.511	pink
ILMN_1763452	gene	1.60x10 ⁻²	8.53x10 ⁻⁴	0.411	pink
ILMN_1779486	gene	6.91x10 ⁻³	2.51x10 ⁻⁴	0.708	pink
ILMN_3231638	gene	9.92x10 ⁻⁴	1.17x10 ⁻⁵	0.483	pink
ILMN_1675803	gene	8.36x10 ⁻³	3.32x10 ⁻⁴	0.336	pink
ILMN_1713682	gene	3.45x10 ⁻²	2.55x10 ⁻³	0.304	pink
ILMN_1737343	gene	3.93x10 ⁻²	3.06x10 ⁻³	0.454	pink
ILMN_1740875	gene	4.76x10 ⁻²	4.03x10 ⁻³	0.552	pink
ILMN_1788213	gene	5.11x10 ⁻³	1.62x10 ⁻⁴	0.444	pink

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1696003	gene	8.92x10 ⁻³	3.64x10 ⁻⁴	0.510	pink
ILMN_1723486	gene	4.06x10 ⁻³	1.15x10 ⁻⁴	0.537	pink
ILMN_1787843	gene	1.63x10 ⁻²	8.78x10 ⁻⁴	0.448	pink
ILMN_1655557	gene	2.50x10 ⁻²	1.62x10 ⁻³	0.311	pink
ILMN_1751708	gene	2.27x10 ⁻²	1.41x10 ⁻³	0.373	pink
ILMN_1701837	gene	8.64x10 ⁻³	3.48x10 ⁻⁴	0.786	pink
ILMN_1781155	gene	9.33x10 ⁻³	3.92x10 ⁻⁴	0.434	pink
ILMN_3242011	gene	1.15x10 ⁻²	5.31x10 ⁻⁴	0.463	pink
ILMN_3245973	gene	2.74x10 ⁻²	1.84x10 ⁻³	0.445	pink
ILMN_2214678	gene	1.70x10 ⁻²	9.36x10 ⁻⁴	0.486	pink
ILMN_1653871	gene	7.14x10 ⁻³	2.63x10 ⁻⁴	0.718	pink
ILMN_1707312	gene	8.63x10 ⁻⁴	8.95x10 ⁻⁶	0.740	pink
ILMN_1724753	gene	3.27x10 ⁻²	2.37x10 ⁻³	0.460	pink
ILMN_3237385	gene	1.73x10 ⁻²	9.61x10 ⁻⁴	0.513	pink
ILMN_1716596	gene	7.22x10 ⁻³	2.69x10 ⁻⁴	0.474	pink
ILMN_1705114	gene	8.46x10 ⁻³	3.39x10 ⁻⁴	0.470	pink
ILMN_1742456	gene	2.40x10 ⁻²	1.52x10 ⁻³	0.351	pink
ILMN_1715273	gene	6.19x10 ⁻³	2.14x10 ⁻⁴	0.356	pink
ILMN_2117623	gene	1.72x10 ⁻²	9.50x10 ⁻⁴	0.459	pink
ILMN_1724544	gene	6.96x10 ⁻³	2.54x10 ⁻⁴	0.534	pink
ILMN_2344204	gene	1.99x10 ⁻²	1.17x10 ⁻³	0.320	pink
ILMN_1701134	gene	1.84x10 ⁻³	3.25x10 ⁻⁵	0.557	pink
ILMN_1741727	gene	6.19x10 ⁻⁴	4.83x10 ⁻⁶	0.783	pink
ILMN_1665859	gene	6.18x10 ⁻³	2.13x10 ⁻⁴	0.464	pink
ILMN_1709683	gene	3.70x10 ⁻³	9.90x10 ⁻⁵	0.399	pink
ILMN_3224926	gene	4.57x10 ⁻²	3.80x10 ⁻³	0.554	pink
ILMN_1678504	gene	1.94x10 ⁻²	1.13x10 ⁻³	0.360	pink
ILMN_1665877	gene	2.69x10 ⁻²	1.78x10 ⁻³	0.518	pink
ILMN_2158242	gene	1.18x10 ⁻²	5.47x10 ⁻⁴	0.438	pink
ILMN_1679731	gene	2.36x10 ⁻²	1.48x10 ⁻³	0.403	pink
ILMN_2053103	gene	1.34x10 ⁻²	6.54x10 ⁻⁴	0.628	pink
ILMN_1797082	gene	2.58x10 ⁻²	1.69x10 ⁻³	0.332	pink
ILMN_2263718	gene	1.71x10 ⁻²	9.48x10 ⁻⁴	0.386	pink
ILMN_1807649	gene	1.50x10 ⁻²	7.83x10 ⁻⁴	0.335	pink
ILMN_1760347	gene	1.11x10 ⁻²	5.00x10 ⁻⁴	0.452	pink
ILMN_1798804	gene	3.38x10 ⁻⁵	2.36x10 ⁻⁸	1.024	pink
ILMN_1798543	gene	1.39x10 ⁻³	2.06x10 ⁻⁵	0.656	pink
ILMN_1659544	gene	4.15x10 ⁻²	3.31x10 ⁻³	0.520	pink
ILMN_1671404	gene	8.77x10 ⁻³	3.54x10 ⁻⁴	0.475	pink
ILMN_2083946	gene	1.20x10 ⁻²	5.64x10 ⁻⁴	0.600	pink
ILMN_1832208	gene	1.61x10 ⁻²	8.64x10 ⁻⁴	0.326	pink
ILMN_3243899	gene	2.40x10 ⁻²	1.53x10 ⁻³	0.303	pink
ILMN_1737705	gene	1.56x10 ⁻²	8.23x10 ⁻⁴	0.297	pink
ILMN_1657679	gene	2.45x10 ⁻³	5.19x10 ⁻⁵	0.326	pink
ILMN_1758864	gene	2.34x10 ⁻²	1.47x10 ⁻³	0.781	pink
ILMN_2323526	gene	3.58x10 ⁻²	2.69x10 ⁻³	0.288	pink
ILMN_1782444	gene	2.73x10 ⁻²	1.82x10 ⁻³	0.356	pink
ILMN_1697153	gene	6.62x10 ⁻³	2.36x10 ⁻⁴	0.348	pink
ILMN_3249286	lncRNA	4.11x10 ⁻²	3.27x10 ⁻³	0.340	pink
ILMN_1720829	gene	3.18x10 ⁻²	2.27x10 ⁻³	0.381	pink
ILMN_1777061	gene	2.71x10 ⁻³	6.17x10 ⁻⁵	0.359	pink
ILMN_1708934	gene	3.97x10 ⁻³	1.10x10 ⁻⁴	0.743	purple
ILMN_2132599	gene	7.08x10 ⁻³	2.60x10 ⁻⁴	0.891	purple
ILMN_1790978	gene	1.51x10 ⁻²	7.90x10 ⁻⁴	0.268	purple
ILMN_2182704	gene	2.42x10 ⁻²	1.54x10 ⁻³	0.486	purple

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1787529	gene	3.84x10 ⁻³	1.04x10 ⁻⁴	0.661	purple
ILMN_1726591	gene	9.09x10 ⁻³	3.74x10 ⁻⁴	0.543	purple
ILMN_2326509	gene	5.63x10 ⁻³	1.84x10 ⁻⁴	0.367	purple
ILMN_1678454	gene	3.24x10 ⁻³	8.13x10 ⁻⁵	0.505	purple
ILMN_1722158	gene	1.47x10 ⁻²	7.55x10 ⁻⁴	0.780	purple
ILMN_2147517	gene	7.21x10 ⁻³	2.68x10 ⁻⁴	0.596	purple
ILMN_2371724	gene	3.74x10 ⁻²	2.85x10 ⁻³	0.556	purple
ILMN_1808979	gene	9.57x10 ⁻³	4.06x10 ⁻⁴	0.771	purple
ILMN_3243928	gene	1.06x10 ⁻²	4.65x10 ⁻⁴	0.524	purple
ILMN_3245413	gene	3.50x10 ⁻²	2.61x10 ⁻³	0.304	purple
ILMN_1669376	gene	8.76x10 ⁻⁴	9.22x10 ⁻⁶	0.566	purple
ILMN_1678766	gene	9.47x10 ⁻³	4.00x10 ⁻⁴	0.399	purple
ILMN_1651832	gene	4.19x10 ⁻²	3.36x10 ⁻³	0.283	purple
ILMN_2225144	gene	1.97x10 ⁻³	3.64x10 ⁻⁵	0.557	purple
ILMN_2176063	gene	1.54x10 ⁻²	8.08x10 ⁻⁴	0.844	purple
ILMN_2391051	gene	3.15x10 ⁻²	2.25x10 ⁻³	0.676	purple
ILMN_3178302	gene	8.87x10 ⁻³	3.61x10 ⁻⁴	0.511	purple
ILMN_2393296	gene	4.62x10 ⁻³	1.40x10 ⁻⁴	0.576	purple
ILMN_2092333	gene	5.10x10 ⁻⁴	3.21x10 ⁻⁶	0.663	purple
ILMN_1785345	gene	4.93x10 ⁻²	4.25x10 ⁻³	0.580	purple
ILMN_1774874	gene	1.63x10 ⁻²	8.78x10 ⁻⁴	0.559	purple
ILMN_1683178	gene	4.73x10 ⁻²	3.97x10 ⁻³	0.406	purple
ILMN_1765132	gene	3.74x10 ⁻²	2.85x10 ⁻³	0.313	purple
ILMN_1747744	gene	2.14x10 ⁻³	4.12x10 ⁻⁵	0.479	purple
ILMN_1687960	gene	8.98x10 ⁻³	3.67x10 ⁻⁴	0.593	purple
ILMN_2126706	gene	4.03x10 ⁻³	1.13x10 ⁻⁴	0.753	purple
ILMN_1654685	gene	3.46x10 ⁻²	2.56x10 ⁻³	0.480	purple
ILMN_1898938	gene	3.75x10 ⁻²	2.86x10 ⁻³	0.485	purple
ILMN_2053527	gene	2.91x10 ⁻²	2.00x10 ⁻³	0.418	purple
ILMN_2186061	gene	1.05x10 ⁻³	1.28x10 ⁻⁵	1.231	purple
ILMN_1745242	gene	1.52x10 ⁻²	7.93x10 ⁻⁴	0.489	purple
ILMN_1685312	gene	7.77x10 ⁻³	2.98x10 ⁻⁴	0.459	purple
ILMN_1801776	gene	1.85x10 ⁻²	1.05x10 ⁻³	0.417	purple
ILMN_1713058	gene	1.18x10 ⁻²	5.50x10 ⁻⁴	0.708	purple
ILMN_1802355	gene	2.60x10 ⁻³	5.73x10 ⁻⁵	0.304	purple
ILMN_2358540	gene	1.42x10 ⁻³	2.16x10 ⁻⁵	0.575	purple
ILMN_1749115	gene	1.03x10 ⁻²	4.48x10 ⁻⁴	0.281	purple
ILMN_1784238	gene	1.84x10 ⁻³	3.28x10 ⁻⁵	0.366	purple
ILMN_1766045	gene	4.00x10 ⁻⁴	2.00x10 ⁻⁶	0.834	purple
ILMN_1781001	gene	5.89x10 ⁻³	1.98x10 ⁻⁴	0.695	purple
ILMN_2336781	gene	4.16x10 ⁻²	3.33x10 ⁻³	0.442	purple
ILMN_1734229	gene	1.23x10 ⁻²	5.85x10 ⁻⁴	0.433	purple
ILMN_1785732	gene	6.28x10 ⁻³	2.18x10 ⁻⁴	1.008	purple
ILMN_1801307	gene	3.23x10 ⁻³	8.11x10 ⁻⁵	0.481	purple
ILMN_1758418	gene	1.92x10 ⁻²	1.12x10 ⁻³	0.506	purple
ILMN_2279339	gene	4.57x10 ⁻²	3.80x10 ⁻³	0.333	purple
ILMN_1812552	gene	3.12x10 ⁻²	2.22x10 ⁻³	0.404	turquoise
ILMN_1706304	gene	2.52x10 ⁻²	1.63x10 ⁻³	0.396	turquoise
ILMN_1680996	gene	1.74x10 ⁻³	2.95x10 ⁻⁵	0.585	turquoise
ILMN_2078697	gene	1.79x10 ⁻³	3.09x10 ⁻⁵	0.642	turquoise
ILMN_1701603	gene	7.36x10 ⁻⁴	6.76x10 ⁻⁶	1.032	turquoise
ILMN_1694548	gene	8.27x10 ⁻⁵	1.41x10 ⁻⁷	1.526	turquoise
ILMN_1801710	gene	1.23x10 ⁻²	5.83x10 ⁻⁴	0.447	turquoise
ILMN_1670130	gene	5.51x10 ⁻³	1.78x10 ⁻⁴	0.443	turquoise
ILMN_1792489	gene	1.96x10 ⁻³	3.62x10 ⁻⁵	0.322	turquoise
ILMN_2395711	gene	2.44x10 ⁻³	5.14x10 ⁻⁵	0.433	turquoise

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1703471	gene	1.76x10 ⁻²	9.81x10 ⁻⁴	0.484	turquoise
ILMN_1795826	gene	9.17x10 ⁻³	3.80x10 ⁻⁴	0.312	turquoise
ILMN_1659801	gene	1.70x10 ⁻²	9.32x10 ⁻⁴	0.516	turquoise
ILMN_2089073	gene	4.17x10 ⁻³	1.20x10 ⁻⁴	0.858	turquoise
ILMN_1741389	gene	3.76x10 ⁻²	2.88x10 ⁻³	0.321	turquoise
ILMN_1651826	gene	5.10x10 ⁻⁴	3.18x10 ⁻⁶	0.741	turquoise
ILMN_1695157	gene	1.60x10 ⁻⁴	4.54x10 ⁻⁷	0.967	turquoise
ILMN_1797604	gene	1.46x10 ⁻³	2.25x10 ⁻⁵	0.381	turquoise
ILMN_1717234	gene	2.22x10 ⁻³	4.43x10 ⁻⁵	0.417	turquoise
ILMN_3237926	gene	1.41x10 ⁻²	7.10x10 ⁻⁴	0.596	turquoise
ILMN_1774071	gene	1.45x10 ⁻²	7.39x10 ⁻⁴	0.832	turquoise
ILMN_1662973	gene	1.95x10 ⁻²	1.14x10 ⁻³	0.304	turquoise
ILMN_1756982	gene	1.10x10 ⁻³	1.36x10 ⁻⁵	0.375	turquoise
ILMN_2371280	gene	2.17x10 ⁻²	1.32x10 ⁻³	0.353	turquoise
ILMN_1679826	gene	2.19x10 ⁻⁵	6.02x10 ⁻⁹	1.316	turquoise
ILMN_2278636	gene	1.23x10 ⁻³	1.66x10 ⁻⁵	0.618	turquoise
ILMN_1750401	gene	4.89x10 ⁻²	4.18x10 ⁻³	0.287	turquoise
ILMN_1769112	lncRNA	2.40x10 ⁻²	1.52x10 ⁻³	0.366	turquoise
ILMN_1761566	gene	1.35x10 ⁻³	1.96x10 ⁻⁵	1.108	turquoise
ILMN_1755741	gene	2.32x10 ⁻²	1.45x10 ⁻³	0.274	turquoise
ILMN_1765326	gene	4.09x10 ⁻²	3.24x10 ⁻³	0.282	turquoise
ILMN_1719915	gene	2.14x10 ⁻²	1.30x10 ⁻³	0.331	turquoise
ILMN_1789642	gene	4.28x10 ⁻³	1.25x10 ⁻⁴	0.345	turquoise
ILMN_1692225	gene	1.40x10 ⁻²	7.03x10 ⁻⁴	0.390	turquoise
ILMN_1810420	gene	2.71x10 ⁻⁴	1.08x10 ⁻⁶	0.965	turquoise
ILMN_2186877	gene	1.10x10 ⁻²	4.93x10 ⁻⁴	0.402	turquoise
ILMN_2329735	gene	2.10x10 ⁻²	1.26x10 ⁻³	0.264	turquoise
ILMN_2129927	gene	5.45x10 ⁻³	1.76x10 ⁻⁴	0.316	turquoise
ILMN_1709233	gene	3.59x10 ⁻⁴	1.69x10 ⁻⁶	0.806	turquoise
ILMN_1718712	gene	8.76x10 ⁻³	3.54x10 ⁻⁴	0.424	turquoise
ILMN_2123743	gene	4.00x10 ⁻³	1.12x10 ⁻⁴	0.603	turquoise
ILMN_1666932	gene	2.15x10 ⁻³	4.20x10 ⁻⁵	0.486	turquoise
ILMN_1693650	gene	4.36x10 ⁻³	1.28x10 ⁻⁴	0.474	turquoise
ILMN_1661439	gene	1.24x10 ⁻³	1.71x10 ⁻⁵	0.636	turquoise
ILMN_1726222	gene	6.94x10 ⁻⁴	5.85x10 ⁻⁶	0.672	turquoise
ILMN_1725175	gene	3.51x10 ⁻²	2.62x10 ⁻³	0.322	turquoise
ILMN_2092118	gene	5.71x10 ⁻⁴	4.08x10 ⁻⁶	0.619	turquoise
ILMN_1724236	gene	1.80x10 ⁻⁴	5.83x10 ⁻⁷	0.616	turquoise
ILMN_2052208	gene	5.10x10 ⁻³	1.61x10 ⁻⁴	0.779	turquoise
ILMN_1739297	gene	4.80x10 ⁻²	4.07x10 ⁻³	0.381	turquoise
ILMN_1745994	gene	1.04x10 ⁻³	1.26x10 ⁻⁵	0.823	turquoise
ILMN_1755123	gene	4.91x10 ⁻³	1.52x10 ⁻⁴	0.369	turquoise
ILMN_1667260	gene	1.30x10 ⁻²	6.28x10 ⁻⁴	0.318	turquoise
ILMN_1656327	gene	2.03x10 ⁻²	1.20x10 ⁻³	0.492	turquoise
ILMN_1701854	gene	1.14x10 ⁻³	1.43x10 ⁻⁵	0.449	turquoise
ILMN_1744517	gene	7.34x10 ⁻³	2.74x10 ⁻⁴	0.389	turquoise
ILMN_1662799	gene	9.67x10 ⁻³	4.11x10 ⁻⁴	0.310	turquoise
ILMN_1737157	gene	1.11x10 ⁻²	5.03x10 ⁻⁴	0.588	turquoise
ILMN_1669617	gene	3.01x10 ⁻²	2.11x10 ⁻³	0.491	turquoise
ILMN_2230862	gene	1.12x10 ⁻⁴	2.65x10 ⁻⁷	1.207	turquoise
ILMN_1708728	gene	4.20x10 ⁻⁴	2.21x10 ⁻⁶	0.726	turquoise
ILMN_1791771	gene	2.46x10 ⁻³	5.24x10 ⁻⁵	0.451	turquoise
ILMN_1764396	gene	2.40x10 ⁻³	4.98x10 ⁻⁵	0.565	turquoise
ILMN_3242900	gene	1.01x10 ⁻³	1.19x10 ⁻⁵	0.813	turquoise
ILMN_1659047	gene	9.24x10 ⁻⁴	1.02x10 ⁻⁵	0.826	turquoise
ILMN_1747589	gene	2.14x10 ⁻³	4.13x10 ⁻⁵	0.510	turquoise

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1768973	gene	5.55x10 ⁻⁴	3.87x10 ⁻⁶	0.837	turquoise
ILMN_1670302	gene	5.52x10 ⁻⁵	5.84x10 ⁻⁸	0.915	turquoise
ILMN_1812433	gene	5.82x10 ⁻⁴	4.27x10 ⁻⁶	1.292	turquoise
ILMN_1665621	gene	7.14x10 ⁻³	2.63x10 ⁻⁴	0.314	turquoise
ILMN_1752923	gene	4.98x10 ⁻³	1.55x10 ⁻⁴	0.457	turquoise
ILMN_1728724	gene	6.22x10 ⁻³	2.15x10 ⁻⁴	0.450	turquoise
ILMN_1810584	gene	9.30x10 ⁻⁴	1.04x10 ⁻⁵	0.592	turquoise
ILMN_1652185	gene	1.44x10 ⁻²	7.36x10 ⁻⁴	0.645	turquoise
ILMN_2094061	gene	3.76x10 ⁻²	2.87x10 ⁻³	0.375	turquoise
ILMN_2388363	gene	1.35x10 ⁻³	1.97x10 ⁻⁵	0.365	turquoise
ILMN_1685009	gene	1.22x10 ⁻³	1.64x10 ⁻⁵	0.635	turquoise
ILMN_1735552	gene	9.39x10 ⁻⁵	1.97x10 ⁻⁷	0.783	turquoise
ILMN_1807106	gene	3.33x10 ⁻³	8.45x10 ⁻⁵	0.412	turquoise
ILMN_17116983	gene	4.90x10 ⁻²	4.20x10 ⁻³	0.377	turquoise
ILMN_3251658	gene	5.22x10 ⁻⁴	3.37x10 ⁻⁶	0.761	turquoise
ILMN_1809173	lncRNA	7.93x10 ⁻³	3.07x10 ⁻⁴	0.574	turquoise
ILMN_3249419	lncRNA	2.74x10 ⁻²	1.83x10 ⁻³	0.425	turquoise
ILMN_3241912	lncRNA	3.76x10 ⁻²	2.87x10 ⁻³	0.339	turquoise
ILMN_1805225	gene	2.28x10 ⁻²	1.42x10 ⁻³	0.379	turquoise
ILMN_1660341	gene	3.42x10 ⁻²	2.51x10 ⁻³	0.308	turquoise
ILMN_1707156	gene	3.01x10 ⁻³	7.32x10 ⁻⁵	0.363	turquoise
ILMN_1747251	gene	2.38x10 ⁻³	4.94x10 ⁻⁵	0.523	turquoise
ILMN_3237368	gene	8.69x10 ⁻⁴	9.04x10 ⁻⁶	0.435	turquoise
ILMN_1779010	gene	1.44x10 ⁻²	7.32x10 ⁻⁴	0.344	turquoise
ILMN_1767320	gene	9.47x10 ⁻⁴	1.07x10 ⁻⁵	0.470	turquoise
ILMN_1788002	gene	1.60x10 ⁻⁴	4.43x10 ⁻⁷	0.743	turquoise
ILMN_2413572	gene	2.64x10 ⁻²	1.74x10 ⁻³	0.408	turquoise
ILMN_1777853	gene	6.27x10 ⁻³	2.17x10 ⁻⁴	0.403	turquoise
ILMN_1762713	gene	9.34x10 ⁻⁵	1.74x10 ⁻⁷	1.776	turquoise
ILMN_1750429	gene	1.29x10 ⁻³	1.80x10 ⁻⁵	0.819	turquoise
ILMN_1737498	gene	1.69x10 ⁻²	9.28x10 ⁻⁴	0.297	turquoise
ILMN_1796316	gene	1.54x10 ⁻⁴	4.14x10 ⁻⁷	1.449	turquoise
ILMN_3181347	lncRNA	2.26x10 ⁻²	1.41x10 ⁻³	0.286	turquoise
ILMN_1763828	gene	2.14x10 ⁻³	4.11x10 ⁻⁵	0.583	turquoise
ILMN_1667222	gene	5.42x10 ⁻³	1.75x10 ⁻⁴	0.370	turquoise
ILMN_1781184	gene	5.79x10 ⁻⁴	4.17x10 ⁻⁶	0.508	turquoise
ILMN_1738523	gene	6.57x10 ⁻⁴	5.27x10 ⁻⁶	0.411	turquoise
ILMN_1801254	gene	2.74x10 ⁻³	6.32x10 ⁻⁵	0.717	turquoise
ILMN_2334693	gene	1.50x10 ⁻²	7.79x10 ⁻⁴	0.374	turquoise
ILMN_1660629	gene	2.49x10 ⁻²	1.61x10 ⁻³	0.403	turquoise
ILMN_1796642	gene	3.62x10 ⁻⁴	1.74x10 ⁻⁶	0.476	turquoise
ILMN_1757361	gene	1.16x10 ⁻³	1.49x10 ⁻⁵	0.594	turquoise
ILMN_1763640	gene	2.54x10 ⁻²	1.66x10 ⁻³	0.267	turquoise
ILMN_1711786	gene	3.52x10 ⁻³	9.13x10 ⁻⁵	0.523	turquoise
ILMN_1796976	gene	6.69x10 ⁻⁴	5.52x10 ⁻⁶	0.733	turquoise
ILMN_1716105	gene	5.65x10 ⁻³	1.86x10 ⁻⁴	0.493	turquoise
ILMN_1712918	gene	2.73x10 ⁻³	6.26x10 ⁻⁵	0.750	turquoise
ILMN_1800897	gene	1.47x10 ⁻³	2.29x10 ⁻⁵	0.442	turquoise
ILMN_2205882	gene	6.83x10 ⁻³	2.47x10 ⁻⁴	0.605	turquoise
ILMN_1656040	gene	2.22x10 ⁻³	4.42x10 ⁻⁵	0.556	turquoise
ILMN_1674696	gene	1.29x10 ⁻²	6.24x10 ⁻⁴	0.879	turquoise
ILMN_1711030	gene	4.73x10 ⁻²	3.97x10 ⁻³	0.482	turquoise
ILMN_2367418	gene	2.09x10 ⁻²	1.25x10 ⁻³	0.410	turquoise
ILMN_1807529	gene	7.43x10 ⁻⁵	1.08x10 ⁻⁷	0.873	turquoise
ILMN_1690125	gene	1.22x10 ⁻³	1.62x10 ⁻⁵	0.494	turquoise
ILMN_1794165	gene	1.02x10 ⁻⁴	2.27x10 ⁻⁷	0.848	turquoise

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1704870	gene	7.06x10 ⁻⁴	6.17x10 ⁻⁶	1.053	turquoise
ILMN_1800659	gene	1.04x10 ⁻³	1.26x10 ⁻⁵	0.372	turquoise
ILMN_2075051	gene	7.65x10 ⁻⁴	7.27x10 ⁻⁶	0.835	turquoise
ILMN_1699496	gene	8.89x10 ⁻⁴	9.50x10 ⁻⁶	0.631	turquoise
ILMN_1707286	gene	1.58x10 ⁻⁵	1.90x10 ⁻⁹	0.878	turquoise
ILMN_1660021	gene	3.91x10 ⁻³	1.08x10 ⁻⁴	0.417	turquoise
ILMN_1852022	gene	7.14x10 ⁻³	2.64x10 ⁻⁴	0.494	turquoise
ILMN_1675523	gene	8.02x10 ⁻³	3.12x10 ⁻⁴	0.558	turquoise
ILMN_1677768	gene	7.38x10 ⁻³	2.78x10 ⁻⁴	0.487	turquoise
ILMN_1659058	gene	1.83x10 ⁻²	1.04x10 ⁻³	0.272	turquoise
ILMN_1801105	gene	5.56x10 ⁻³	1.80x10 ⁻⁴	0.388	turquoise
ILMN_2403889	gene	4.62x10 ⁻²	3.85x10 ⁻³	0.438	turquoise
ILMN_2330966	gene	1.52x10 ⁻³	2.40x10 ⁻⁵	0.445	turquoise
ILMN_1696187	gene	1.60x10 ⁻⁴	4.46x10 ⁻⁷	0.810	turquoise
ILMN_2411282	gene	5.04x10 ⁻³	1.58x10 ⁻⁴	0.507	turquoise
ILMN_1799765	gene	2.72x10 ⁻³	6.20x10 ⁻⁵	0.574	turquoise
ILMN_1652394	gene	3.81x10 ⁻²	2.94x10 ⁻³	0.274	turquoise
ILMN_2115434	gene	4.41x10 ⁻⁵	4.11x10 ⁻⁸	0.686	turquoise
ILMN_1675190	gene	6.46x10 ⁻³	2.27x10 ⁻⁴	0.798	turquoise
ILMN_1663422	gene	9.72x10 ⁻⁴	1.13x10 ⁻⁵	0.736	turquoise
ILMN_1739792	gene	1.69x10 ⁻³	2.79x10 ⁻⁵	0.437	turquoise
ILMN_1805643	gene	8.11x10 ⁻³	3.17x10 ⁻⁴	0.440	turquoise
ILMN_1731736	gene	3.39x10 ⁻²	2.49x10 ⁻³	0.332	turquoise
ILMN_1696466	gene	9.17x10 ⁻⁴	1.01x10 ⁻⁵	0.684	turquoise
ILMN_1687315	gene	6.50x10 ⁻³	2.29x10 ⁻⁴	0.344	turquoise
ILMN_1750101	gene	8.10x10 ⁻⁴	8.16x10 ⁻⁶	0.571	turquoise
ILMN_1748915	gene	7.58x10 ⁻⁵	1.14x10 ⁻⁷	1.241	turquoise
ILMN_1784737	gene	3.75x10 ⁻²	2.86x10 ⁻³	0.301	turquoise
ILMN_1702787	gene	3.76x10 ⁻²	2.87x10 ⁻³	0.448	turquoise
ILMN_1672589	gene	3.66x10 ⁻²	2.75x10 ⁻³	0.312	turquoise
ILMN_2256050	gene	2.24x10 ⁻²	1.39x10 ⁻³	0.598	turquoise
ILMN_1679133	gene	8.86x10 ⁻⁴	9.40x10 ⁻⁶	0.794	turquoise
ILMN_1665384	gene	9.00x10 ⁻³	3.69x10 ⁻⁴	0.340	turquoise
ILMN_1795236	gene	4.22x10 ⁻³	1.23x10 ⁻⁴	0.340	turquoise
ILMN_1695962	gene	3.51x10 ⁻²	2.61x10 ⁻³	0.369	turquoise
ILMN_1810514	gene	1.27x10 ⁻³	1.76x10 ⁻⁵	0.489	turquoise
ILMN_1755843	gene	2.98x10 ⁻⁵	1.73x10 ⁻⁸	0.971	turquoise
ILMN_1668865	gene	5.13x10 ⁻³	1.62x10 ⁻⁴	0.610	turquoise
ILMN_2124471	gene	1.60x10 ⁻⁴	4.53x10 ⁻⁷	0.496	turquoise
ILMN_1673586	gene	2.04x10 ⁻²	1.21x10 ⁻³	0.329	turquoise
ILMN_1808374	gene	8.82x10 ⁻³	3.58x10 ⁻⁴	0.324	turquoise
ILMN_1667199	gene	2.28x10 ⁻³	4.62x10 ⁻⁵	0.423	turquoise
ILMN_2204545	gene	1.16x10 ⁻³	1.49x10 ⁻⁵	0.618	turquoise
ILMN_1726805	gene	1.56x10 ⁻³	2.50x10 ⁻⁵	0.363	turquoise
ILMN_1733443	gene	1.19x10 ⁻³	1.55x10 ⁻⁵	0.632	turquoise
ILMN_1702009	gene	7.07x10 ⁻³	2.59x10 ⁻⁴	0.321	turquoise
ILMN_1781060	gene	1.11x10 ⁻²	5.06x10 ⁻⁴	0.455	turquoise
ILMN_1746588	gene	5.51x10 ⁻³	1.79x10 ⁻⁴	0.321	turquoise
ILMN_1735495	gene	2.99x10 ⁻³	7.25x10 ⁻⁵	0.474	turquoise
ILMN_1733616	gene	6.13x10 ⁻³	2.10x10 ⁻⁴	0.288	turquoise
ILMN_2393169	gene	3.02x10 ⁻³	7.38x10 ⁻⁵	0.372	turquoise
ILMN_1749078	gene	6.51x10 ⁻³	2.30x10 ⁻⁴	0.501	turquoise
ILMN_1736597	gene	1.82x10 ⁻²	1.03x10 ⁻³	0.360	turquoise
ILMN_1722981	gene	1.68x10 ⁻⁴	5.01x10 ⁻⁷	1.081	turquoise
ILMN_1757129	gene	3.39x10 ⁻²	2.49x10 ⁻³	0.410	turquoise
ILMN_2211065	gene	1.62x10 ⁻²	8.66x10 ⁻⁴	0.405	turquoise

Table SI. Continued.

ID	Type	adj.P.Val	P-value	logFC	Module
ILMN_1683811	gene	1.36x10 ⁻²	6.74x10 ⁻⁴	0.350	turquoise
ILMN_1715669	gene	1.60x10 ⁻³	2.59x10 ⁻⁵	0.464	turquoise
ILMN_1699570	gene	2.72x10 ⁻²	1.81x10 ⁻³	0.282	turquoise
ILMN_1813625	gene	2.24x10 ⁻³	4.50x10 ⁻⁵	0.716	turquoise
ILMN_1814296	gene	1.48x10 ⁻²	7.64x10 ⁻⁴	0.550	turquoise
ILMN_1743933	gene	3.22x10 ⁻³	8.04x10 ⁻⁵	0.451	turquoise
ILMN_2260991	gene	1.42x10 ⁻³	2.15x10 ⁻⁵	0.670	turquoise
ILMN_1794914	gene	8.04x10 ⁻⁴	8.05x10 ⁻⁶	0.512	turquoise
ILMN_1736939	gene	3.62x10 ⁻³	9.47x10 ⁻⁵	0.745	turquoise
ILMN_1798256	gene	7.25x10 ⁻⁴	6.57x10 ⁻⁶	0.787	turquoise
ILMN_1765880	gene	3.98x10 ⁻⁴	1.94x10 ⁻⁶	0.547	turquoise
ILMN_1804743	gene	5.82x10 ⁻³	1.94x10 ⁻⁴	0.521	turquoise
ILMN_1714527	gene	2.77x10 ⁻³	6.44x10 ⁻⁵	0.321	turquoise
ILMN_1743646	gene	8.09x10 ⁻⁴	8.12x10 ⁻⁶	0.545	turquoise
ILMN_1693630	gene	1.87x10 ⁻²	1.07x10 ⁻³	0.484	turquoise
ILMN_1803564	gene	3.67x10 ⁻³	9.68x10 ⁻⁵	0.452	turquoise
ILMN_1766896	gene	2.52x10 ⁻²	1.63x10 ⁻³	0.881	turquoise
ILMN_2201347	gene	2.74x10 ⁻³	6.29x10 ⁻⁵	0.330	turquoise
ILMN_2043265	gene	6.87x10 ⁻⁴	5.74x10 ⁻⁶	0.441	turquoise
ILMN_1678494	gene	6.57x10 ⁻⁴	5.27x10 ⁻⁶	0.620	turquoise
ILMN_1779015	gene	2.25x10 ⁻²	1.39x10 ⁻³	0.454	turquoise
ILMN_1791388	gene	3.20x10 ⁻⁴	1.44x10 ⁻⁶	0.440	turquoise
ILMN_2371169	gene	4.74x10 ⁻²	4.00x10 ⁻³	0.386	turquoise

adj.P.val., adjusted P-value; DEG, differentially expressed gene; DElncRNA, differentially expressed long non-coding RNA; FC, fold change.

Table SII. Gene Ontology biological processes associated with differentially expressed genes in four subarachnoid hemorrhage-associated modules.

A, Green module

Term	Count	P-value	Gene list
GO:0045321~leukocyte activation	10	1.26x10 ⁻⁴	KLF6, SLC11A1, LAT2, PREX1, TLR2, ADAM17, TNFSF14, BCL6, CXCR2, TLR4
GO:0006954~inflammatory response	11	2.49x10 ⁻⁴	TPST1, TNFRSF1A, SLC11A1, IL18RAP, C1RL, TLR2, CXCR1, CXCR2, TLR4, STAT3, CD163
GO:0009611~response to wounding	14	2.75x10 ⁻⁴	TPST1, KLF6, IL18RAP, TLR2, CXCR1, CXCR2, ABHD2, TLR4, STAT3, CD163, SLC11A1, TNFRSF1A, C1RL, ADAM17
GO:0001775~cell activation	10	4.48x10 ⁻⁴	KLF6, SLC11A1, LAT2, PREX1, TLR2, ADAM17, TNFSF14, BCL6, CXCR2, TLR4
GO:0043065~positive regulation of apoptosis	12	5.88x10 ⁻⁴	CFLAR, ACVR1B, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, TNFSF14, BCL6, FADD, TLR4
GO:0043068~positive regulation of programmed cell death	12	6.23x10 ⁻⁴	CFLAR, ACVR1B, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, TNFSF14, BCL6, FADD, TLR4
GO:0010942~positive regulation of cell death	12	6.47x10 ⁻⁴	CFLAR, ACVR1B, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, TNFSF14, BCL6, FADD, TLR4
GO:0006952~defense response	14	1.11x10 ⁻³	TPST1, IL18R1, IL18RAP, TLR2, CXCR1, CXCR2, TLR4, STAT3, CD163, INHBB, SLC11A1, TNFRSF1A, LILRB3, C1RL
GO:0010033~response to organic substance	15	1.60x10 ⁻³	HMGB2, ATP6V0E1, IRS2, SELL, PFKFB2, TLR2, TLR4, STAT3, TRIB1, SLC11A1, TNFRSF1A, DUSP1, GNB2, ARSA, ADAM17
GO:0007242~intracellular signaling cascade	21	1.83x10 ⁻³	RAB7A, HMGB2, PREX1, BMX, TLR2, RAF1, TNFSF14, CXCR2, TLR4, MAPKAPK2, STAT3, TRIB1, MAP4K4, LAT2, RPS6KA1, DUSP1, GNB2, RASGRP4, HRH2, SOS2, RALB
GO:0006955~immune response	14	3.07x10 ⁻³	IL18R1, IL1R2, IL18RAP, TLR2, TNFSF14, TLR4, SLC11A1, TNFRSF1A, LAT2, CLEC4E, HRH2, LILRB3, C1RL, ADAM17
GO:0042981~regulation of apoptosis	14	1.08x10 ⁻²	CFLAR, ACVR1B, MAEA, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, ADAM17, TNFSF14, TLR4, BCL6, FADD
GO:0043067~regulation of programmed cell death	14	1.16x10 ⁻²	CFLAR, ACVR1B, MAEA, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, ADAM17, TNFSF14, TLR4, BCL6, FADD
GO:0010941~regulation of cell death	14	1.20x10 ⁻²	CFLAR, ACVR1B, MAEA, DUSP1, ALOX15B, PREX1, APH1B, SOS2, TLR2, ADAM17, TNFSF14, TLR4, BCL6, FADD
GO:0006915~apoptosis	10	4.88x10 ⁻²	TNFRSF1A, CFLAR, TNFRSF10C, PREX1, APH1B, SOS2, RAF1, CXCR2, FADD, ELMO2

B, Pink module

Term	Count	P-value	Gene list
GO:0007242~intracellular signaling cascade	11	2.52x10 ⁻²	ZFP36, SPAG9, C5AR1, VAV3, LYN, RHOT1, STK17B, TGFA, SHOC2, SRPK1, RAB27A
GO:0006796~phosphate metabolic process	9	3.80x10 ⁻²	SPAG9, C5AR1, NIN, LYN, HK2, STK17B, TGFA, PTEN, SRPK1
GO:0006793~phosphorus metabolic process	9	3.80x10 ⁻²	SPAG9, C5AR1, NIN, LYN, HK2, STK17B, TGFA, PTEN, SRPK1

Table SII. Continued.

Term	Count	P-value	Gene list
GO:0016310~phosphorylation	8	3.88x10 ⁻²	SPAG9, C5AR1, NIN, LYN, HK2, STK17B, TGFA, SRPK1
GO:0006468~protein amino acid phosphorylation	7	4.88x10 ⁻²	SPAG9, C5AR1, NIN, LYN, STK17B, TGFA, SRPK1
GO:0006917~induction of apoptosis	6	8.80x10 ⁻³	CEBPB, VAV3, STK17B, ITM2B, PTEN, RAB27A
GO:0012502~induction of programmed cell death	6	8.92x10 ⁻³	CEBPB, VAV3, STK17B, ITM2B, PTEN, RAB27A
GO:0007243~protein kinase cascade	6	1.57x10 ⁻²	ZFP36, SPAG9, C5AR1, STK17B, TGFA, SRPK1
GO:0043065~positive regulation of apoptosis	6	2.80x10 ⁻²	CEBPB, VAV3, STK17B, ITM2B, PTEN, RAB27A
GO:0043068~positive regulation of programmed cell death	6	2.87x10 ⁻²	CEBPB, VAV3, STK17B, ITM2B, PTEN, RAB27A
GO:0010942~positive regulation of cell death	6	2.92x10 ⁻²	CEBPB, VAV3, STK17B, ITM2B, PTEN, RAB27A
GO:0042325~regulation of phosphorylation	6	3.77x10 ⁻²	SPAG9, C5AR1, VAV3, LYN, TGFA, PTEN
GO:0051174~regulation of phosphorus metabolic process	6	4.35x10 ⁻²	SPAG9, C5AR1, VAV3, LYN, TGFA, PTEN
GO:0019220~regulation of phosphate metabolic process	6	4.35x10 ⁻²	SPAG9, C5AR1, VAV3, LYN, TGFA, PTEN

C, Purple module

Term	Count	P-value	Gene list
GO:0042981~regulation of apoptosis	11	4.16x10 ⁻⁵	CASP5, TNFSF10, CASP4, TNFSF13B, CARD16, SOCS3, SH3GLB1, JAK2, CASP1, BIRC2, SOD2
GO:0043067~regulation of programmed cell death	11	4.53x10 ⁻⁵	CASP5, TNFSF10, CASP4, TNFSF13B, CARD16, SOCS3, SH3GLB1, JAK2, CASP1, BIRC2, SOD2
GO:0010941~regulation of cell death	11	4.68x10 ⁻⁵	CASP5, TNFSF10, CASP4, TNFSF13B, CARD16, SOCS3, SH3GLB1, JAK2, CASP1, BIRC2, SOD2
GO:0006915~apoptosis	9	1.80x10 ⁻⁴	CASP5, TNFSF10, CASP4, SH3GLB1, JAK2, CASP1, BIRC2, DRAM1, SOD2
GO:0012501~programmed cell death	9	2.00x10 ⁻⁴	CASP5, TNFSF10, CASP4, SH3GLB1, JAK2, CASP1, BIRC2, DRAM1, SOD2
GO:0008219~cell death	9	5.98x10 ⁻⁴	CASP5, TNFSF10, CASP4, SH3GLB1, JAK2, CASP1, BIRC2, DRAM1, SOD2
GO:0016265~death	9	6.26x10 ⁻⁴	CASP5, TNFSF10, CASP4, SH3GLB1, JAK2, CASP1, BIRC2, DRAM1, SOD2
GO:0009611~response to wounding	7	2.90x10 ⁻³	C3AR1, PLSCR1, TNFAIP6, ADM, IL1RN, JAK2, SOD2
GO:0006952~defense response	6	2.50x10 ⁻²	C3AR1, TNFAIP6, PSG9, FCGR1A, IL1RN, PSG3
GO:0006955~immune response	6	3.84x10 ⁻²	TNFSF10, TNFSF13B, FCGR1A, FCGR1B, IL1RN, CLEC4D
GO:0010033~response to organic substance	6	4.51x10 ⁻²	ADM, SOCS3, IL1RN, JAK2, CASP1, BIRC2

D, Turquoise module

Term	Count	P-value	Gene list
GO:0016052~carbohydrate catabolic process	9	2.93x10 ⁻⁵	GNS, LDHA, TALDO1, FUT7, PYGL, HK3, PGM1, PGD, PGLYRP1
GO:0044275~cellular carbohydrate catabolic process	7	3.71x10 ⁻⁴	LDHA, TALDO1, FUT7, PYGL, HK3, PGM1, PGD
GO:0006952~defense response	18	5.06x10 ⁻⁴	IL1R1, NCF2, TLR5, NLRC4, HSF1, LILRA2, SERPINA1, ALOX5, et al.
GO:0019320~hexose catabolic process	6	1.03x10 ⁻³	LDHA, TALDO1, FUT7, HK3, PGM1, PGD

Table SII. Continued.

Term	Count	P-value	Gene list
GO:0034637~cellular carbohydrate biosynthetic process	6	1.03x10 ⁻³	B3GNT8, PYGL, PGM1, PGD, GYG1, EXT1
GO:0046365~monosaccharide catabolic process	6	1.17x10 ⁻³	LDHA, TALDO1, FUT7, HK3, PGM1, PGD
GO:0019318~hexose metabolic process	9	1.40x10 ⁻³	LDHA, TALDO1, FUT7, PYGL, MAPK14, HK3, PGM1, PGD, GYG1
GO:0009617~response to bacterium	9	1.45x10 ⁻³	MAPK1, NLRC4, MYD88, HSF1, MAPK14, HCK, PGLYRP1, SERPINA1, S100A12
GO:0006006~glucose metabolic process	8	1.64x10 ⁻³	LDHA, TALDO1, PYGL, MAPK14, HK3, PGM1, PGD, GYG1
GO:0046164~alcohol catabolic process	6	2.10x10 ⁻³	LDHA, TALDO1, FUT7, HK3, PGM1, PGD
GO:0005996~monosaccharide metabolic process	9	3.46x10 ⁻³	LDHA, TALDO1, FUT7, PYGL, MAPK14, HK3, PGM1, PGD, GYG1
GO:0010033~response to organic substance	17	6.68x10 ⁻³	ALPL, IL1R1, RXRA, CLIC1, ATF6, HDAC4, MAPK1, RETN, GRB10, MYD88, HSF1, PTK2B, DGKD, MAPK14, CA4, SERPINA1, GNG5
GO:0016051~carbohydrate biosynthetic process	6	6.93x10 ⁻³	B3GNT8, PYGL, PGM1, PGD, GYG1, EXT1
GO:0005976~polysaccharide metabolic process	6	8.06x10 ⁻³	GNS, B3GNT8, PYGL, PGLYRP1, GYG1, EXT1
GO:0006955~immune response	16	1.02x10 ⁻²	IL1R1, NCF2, NCF4, GPSM3, TFEB, PGLYRP1, TLR5, PRKCD, MYD88, LILRA2, LTB4R, CST7, S1PR4, IL4R, LILRA6, FCER1G
GO:0007243~protein kinase cascade	10	2.30x10 ⁻²	MAPK1, MAP3K3, PTK2B, MAPK14, NLRP12, FPR1, MKNK1, TLR5, MARK2, IFNAR1
GO:0006954~inflammatory response	9	2.94x10 ⁻²	NLRC4, MYD88, LTB4R, RXRA, SERPINA1, TLR5, ALOX5, S100A12
GO:0016310~phosphorylation	16	3.37x10 ⁻²	ALPK1, TRPM6, HCK, FPR1, MKNK1, FES, PRKCD, MARK2, ATP6V1C1, MAPK1, HSF1, MAP3K3, PTK2B, MAPK14, MLKL, ATP6V0D1
GO:0006468~protein amino acid phosphorylation	14	3.58x10 ⁻²	ALPK1, TRPM6, HCK, FPR1, MKNK1, FES, PRKCD, MARK2, MAPK1, HSF1, MAP3K3, PTK2B, MAPK14, MLKL
GO:0007242~intracellular signaling cascade	22	3.95x10 ⁻²	RAB2A, RXRA, FPR1, MKNK1, RGL4, TLR5, PRKCD, MARK2, IFNAR1, MAPK1, RAB32, DOK3, MAP3K3, DGKD, PTK2B, LTB4R, MAPK14, S1PR4, NLRP12, RAB24, GNG5, RHOG