

Table S6. Edge density analysis results for input gene sets.

DEG Set	True Edge Density (# edges)	Mean Random Edge Density (# edges)	Standard Deviation Random Edge Density (# edges)	Z-score for true edge density
Union of DEG sets	223	88.14	8.11287	16.623
AM+K, all	9	1.22	1.0971	7.0914
AM+K, up	5	0.81	0.928722	4.51157
AM+K, down	4	0.07	0.256432	15.3257
AM, all	22	2.12	1.36537	14.5601
AM, up	22	1.7	1.2673	16.0183
AM, down	0	0	0	NA
AM-K, all	40	8.94	2.64697	11.7342
AM-K, up	21	1.66	1.24089	15.5856
AM-K, down	18	2.87	1.53514	9.85575
-K, all	15	1.45	1.01876	13.3004
-K, up	14	0.83	0.93263	14.1214
-K, down	1	0.04	0.196946	4.87442
NM-K, all	40	5.82	2.22193	15.383
NM-K, up	21	1.2	1.13707	17.4132
NM-K, down	19	1.53	1.33678	13.0688