

Supplementary Table 1

Cluster s	PPI Enrichment score	Number of genes	Random gene set	PPI Enrichment score	Number of genes
A	1.08E-09	108	1	0.499	50
B	6.44E-05	86	2	0.898	50
C	< 1.0e-16	102	3	0.197	100
D	0.448	19	4	0.675	250
E	0.148	18	5	0.5	250
F	0.00741	46	6	0.871	350
G	0.000805	50	7	0.447	350
H	1.29E-07	49	8	0.733	400
I	1.60E-12	125	9	0.265	800
J	0.00271	114	10	0.03	800
K	0.0159	54	11	0.808	800

Cluster quality test performed on STRINGDB. Clusters had very significant protein-protein interaction p-values (PPI) compared to randomly selected genes.