

Frankel et al. Supplementary Table II

GO.ID	Molecular Function	P-value
1 GO:0008270	zinc ion binding	0
2 GO:0005524	ATP binding	0
3 GO:0005515	protein binding	0
4 GO:0003700	transcription factor activity	0
5 GO:0005509	calcium ion binding	8.3e-30
6 GO:0003677	DNA binding	1.7e-25
7 GO:0043565	sequence-specific DNA binding	9.6e-23
8 GO:0003779	actin binding	6.9e-21
9 GO:0003723	RNA binding	1.2e-20
10 GO:0004674	protein serine/threonine kinase activity	5.1e-20
11 GO:0000287	magnesium ion binding	2.0e-16
12 GO:0042802	identical protein binding	5.9e-16
13 GO:0003702	RNA polymerase II transcription factor activity	2.2e-12
14 GO:0042803	protein homodimerization activity	3.9e-12
15 GO:0005506	iron ion binding	6.2e-12
16 GO:0005198	structural molecule activity	6.7e-12
17 GO:0003713	transcription coactivator activity	8.5e-11
18 GO:0005525	GTP binding	1.3e-10
19 GO:0009055	electron carrier activity	3.2e-10
20 GO:0003924	GTPase activity	5.8e-10
21 GO:0030145	manganese ion binding	1.8e-09
22 GO:0003704	specific RNA polymerase II transcription factor activity	3.3e-09
23 GO:0004221	ubiquitin thiolesterase activity	1.6e-08
24 GO:0003735	structural constituent of ribosome	1.7e-08
25 GO:0004930	G-protein coupled receptor activity	1.9e-08