

TABLE S21

PROMISCUOUS PROTEIN	DIP ID NUMBER	ORGANISM	EVALUE	DIP PROTEIN DESCRIPTION
1 FYN SH3	DIP:198N	<i>Mus musculus</i>	2.00E-29	Protein-tyrosine Kinase Fyn
2 IMPORTIN BETA	DIP:2357N	<i>Saccharomyces cerevisiae</i>	3.00E-82	KAP95 Protein
3 OVOMUCOID INHIBITOR	N/A	N/A	N/A	N/A
4 CHEY	DIP:6052N	<i>Escherichia coli</i>	8.00E-38	Chemotaxis Protein CheY
5 THIOREDOXIN	DIP:5552N	<i>Saccharomyces cerevisiae</i>	4.00E-12	Thioredoxin I
6 HPR	DIP:6180N	<i>Escherichia coli</i>	1.00E-09	Phosphocarrier protein HPr (Histidine-containing protein)
7 IL6	DIP:95N	<i>Homo sapiens</i>	1.00E-179	Membrane Glycoprotein GP130 Precursor
8 BETA LACTAMASE	N/A	N/A	N/A	N/A
9 ELASTASE	DIP:378N	<i>Sus scrofa domestica</i>	1.00E-132	Pancreatic Elastase I Precursor
10 PPR	DIP:241N	<i>Homo sapiens</i>	6.00E-97	Peroxisome Proliferator-activated Receptor
11 RAN	DIP:1357N	<i>Saccharomyces cerevisiae</i>	1.00E-101	GTP-binding protein GSP2
12 RAS	DIP:2263N	<i>Saccharomyces cerevisiae</i>	3.00E-47	GTP-binding protein RAS2
13 ACTIN	DIP:310N	<i>Saccharomyces cerevisiae</i>	0	actin
14 TRANSDUCIN BETA GAM	DIP:954N	<i>Saccharomyces cerevisiae</i>	2.00E-66	GTP-binding protein beta chain STE4
15 FC IGG1	N/A	N/A	N/A	N/A
16 RAC	DIP:862N	<i>Drosophila melanogaster</i>	1.00E-96	GTP-binding Protein Rac2
17 UBIQUITIN	DIP:1549N	<i>Saccharomyces cerevisiae</i>	9.00E-32	Ubiquitin
18 CDC42	DIP:862N	<i>Saccharomyces cerevisiae</i>	4.00E-87	Cell Division Control Protein CDC42
19 RXR RECEPTOR	DIP:641N	<i>Homo sapiens</i>	1.00E-138	Retinoic Acid Receptor X-alpha
20 PAPD	DIP:6196N	<i>Escherichia coli</i>	1.00E-120	Chaperone Protein PapD Precursor