

Table S9: Distribution of Peptide-Ligand Sequences over Domains

Domain	Number of Sequences
domain present in cyclins, TFIIB and Retinoblastoma	69
Histone H3	23
WD40 repeats	78
Alkaline phosphatase homologues	32
Actin	25
Insulin / insulin-like growth factor / relaxin family.	159
Trypsin-like serine protease	75
beta-propeller repeat	20
BPTI/Kunitz family of serine protease inhibitors.	44
Src homology 2 domains	52
Kazal type serine protease inhibitors	32
Epidermal growth factor-like domain.	32
Alpha-lactalbumin / lysozyme C	53
Histone H2B	22
Caspase, interleukin-1 beta converting enzyme (ICE) homologues	22
Pancreatic ribonuclease	22
EF-hand, calcium binding motif	153
Immunoglobulin	23
Ligand binding domain of hormone receptors	32
Serine/Threonine protein kinases, catalytic domain	88
Ricin-type beta-trefoil	39
Extension to Ser/Thr-type protein kinases	22
Immunoglobulin C-Type	46
Zinc-dependent metalloprotease	23
ATPases associated with a variety of cellular activities	21
Immunoglobulin V-Type	387
Ankyrin repeats	40
Serine Proteinase Inhibitors	41
Armadillo/beta-catenin-like repeats	150
Immunoglobulin C-2 Type	21
Histone H4	23
Histone 2A	22
Alpha-amylase domain	38
Gelsolin homology domain	22
Rho (Ras homology) subfamily of Ras-like small GTPases	26
Src homology 3 domains	41