

Table S11: Distribution of Ion-Ligand Sequences over Domains

Domain	Number of Sequences
Alkaline phosphatase homologues	20
Zinc finger	22
Insulin / insulin-like growth factor / relaxin family.	30
Trypsin-like serine protease	31
Alpha-lactalbumin / lysozyme C	34
EF-hand, calcium binding motif	130
DNA polymerase A domain	28
Zinc-dependent metalloprotease	42
ATPases associated with a variety of cellular activities	31
Immunoglobulin V-Type	28
Eukaryotic homologues of bacterial periplasmic substrate binding proteins.	21
Alpha-amylase domain	66
C-type lectin (CTL) or carbohydrate-recognition domain (CRD)	47
Gelsolin homology domain	21
Bacterial periplasmic substrate-binding proteins	22