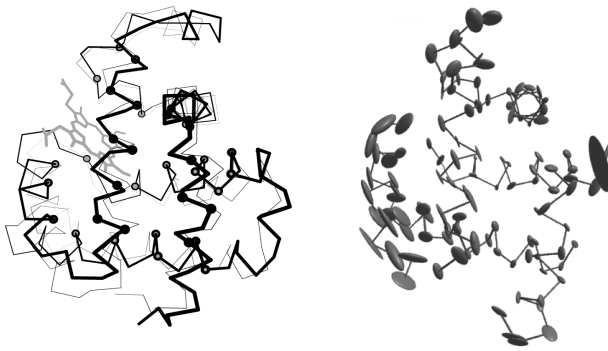
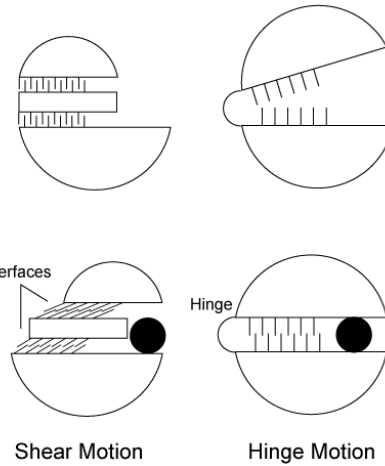


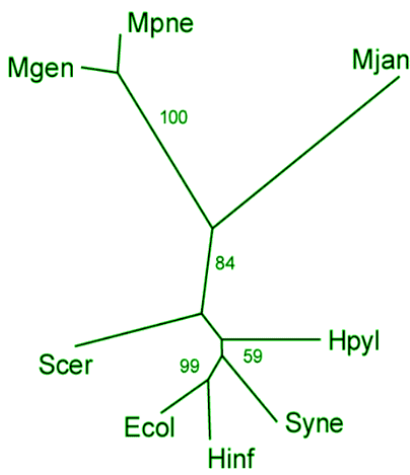
Figures for Research Progress & Plans



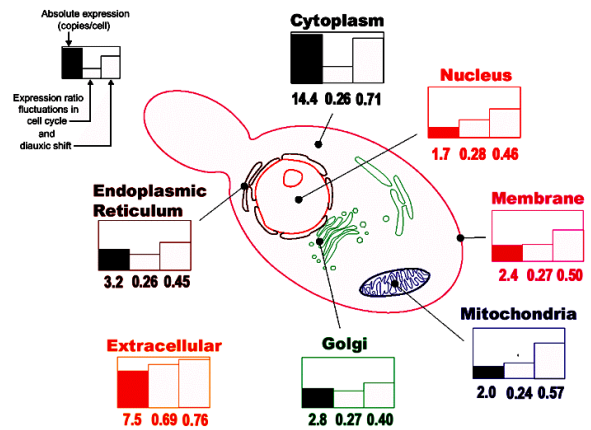
Structural Alignment & Fold Template



Packing-based Motions Classification



Whole-genome fold tree (based on presence or absence)



Expression vs. Subcellular Localization

Protein Fold	Phylogenetic Occurrence							Fold Classification		Gene Expression			Function & Interaction		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Yeast Genome	1	3	-	-	-	-	-	-	-	18	-	-	7	7	-
Kinase (cat. core)	2	12	-	-	-	-	-	-	-	5	-	-	9	-	18
7-bladed beta-propeller	3	9	4	1	3	1	2	12	-	2	-	-	8	1	3
P-loop NTP hydrolases	4	7	-	-	-	5	16	-	-	6	-	-	3	2	-
Alpha-alpha superhelix	5	16	1	6	2	2	3	2	-	1	-	24	8	4	1
TIM-barrel	6	10	2	15	10	6	1	4	-	3	-	-	8	5	3
Ferredoxin	7	-	-	2	25	9	-	15	-	15	-	19	6	-	-
Leu-zip fold	8	14	3	9	1	12	5	3	-	4	-	-	9	3	3
Rossmann fold	9	-	1	-	-	-	-	-	-	-	-	-	7	-	-
Zn2-C8 DNA-bind dom.	10	11	18	10	6	-	-	15	19	-	-	-	10	-	2
Alpha-beta Hydrolases															

Integrated view of a small parts list from many perspectives