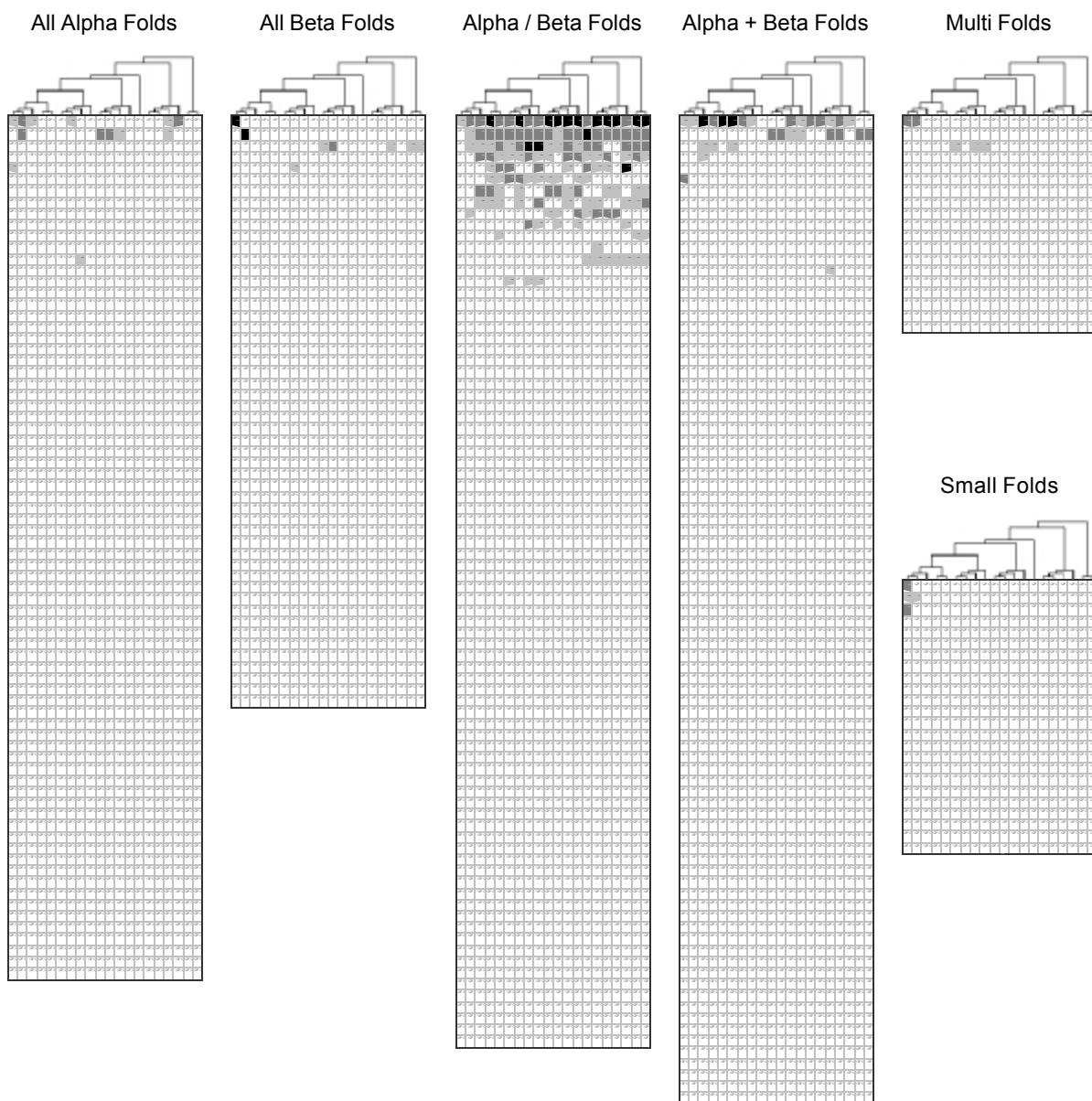


Figure IA

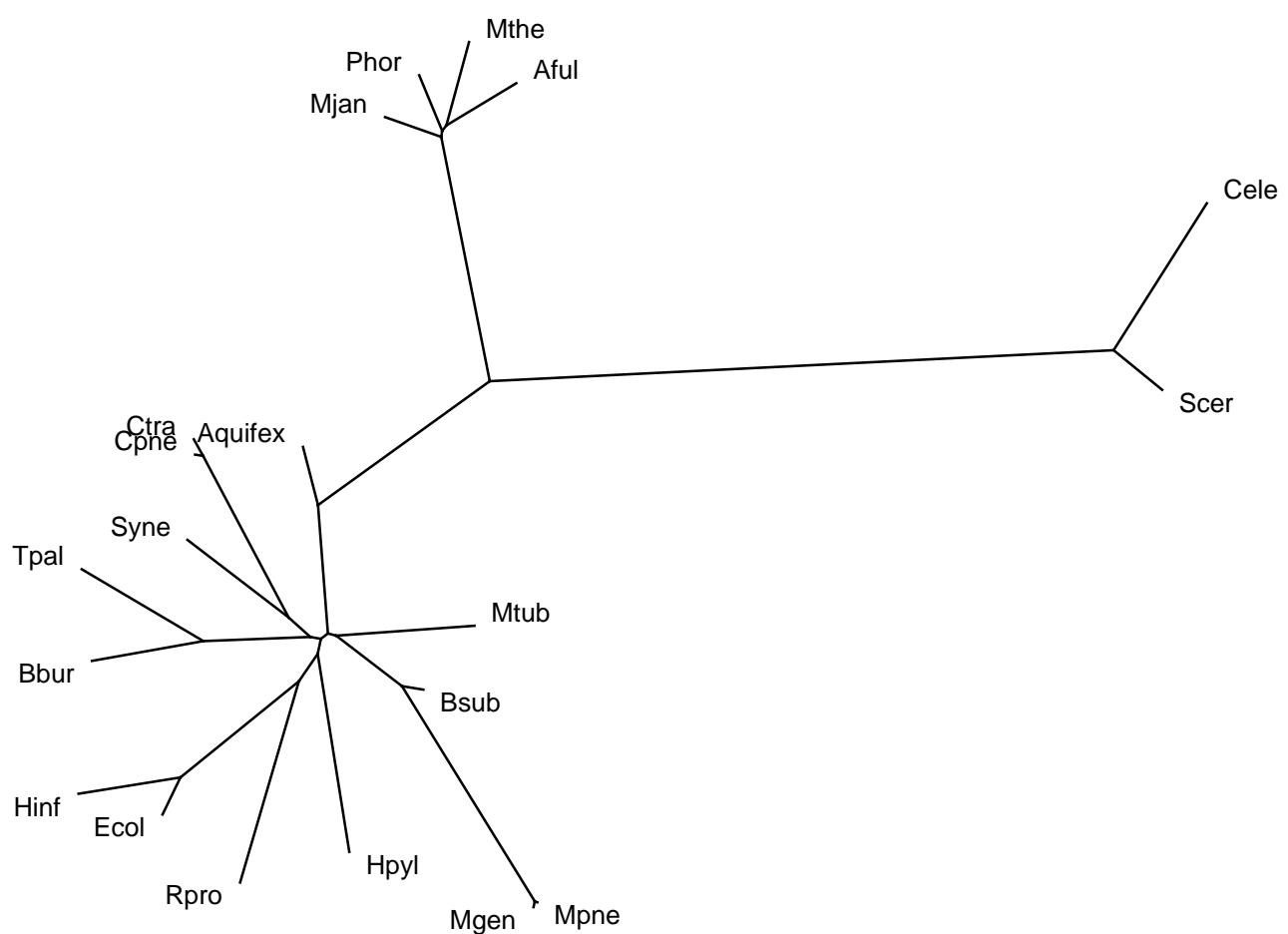


P-loop cont. NTP hydrolase
 Ferredoxin-like
 beta/alpha (TIM)-barrel
 Rossmann-fold
 SAM-dep. met. transferases
 Flavodoxin-like
 alpha-alpha superhelix
 FAD/NAD(P)-bndg domain
 Adenine alpha hydrolase
 PLP-dependent transferases
 Protein kinases (PK)
 Immunoglobulin-like
 Ribonuclease H-like motif
 Cl. II aaRS and biotin syn.
 Acyl-CoA binding protein
 alpha/beta-Hydrolases
 Zincin-like
 7-bladed beta-propeller
 OB-fold
 beta-Grasp
 Glucocorticoid rcptr DNA-bnd

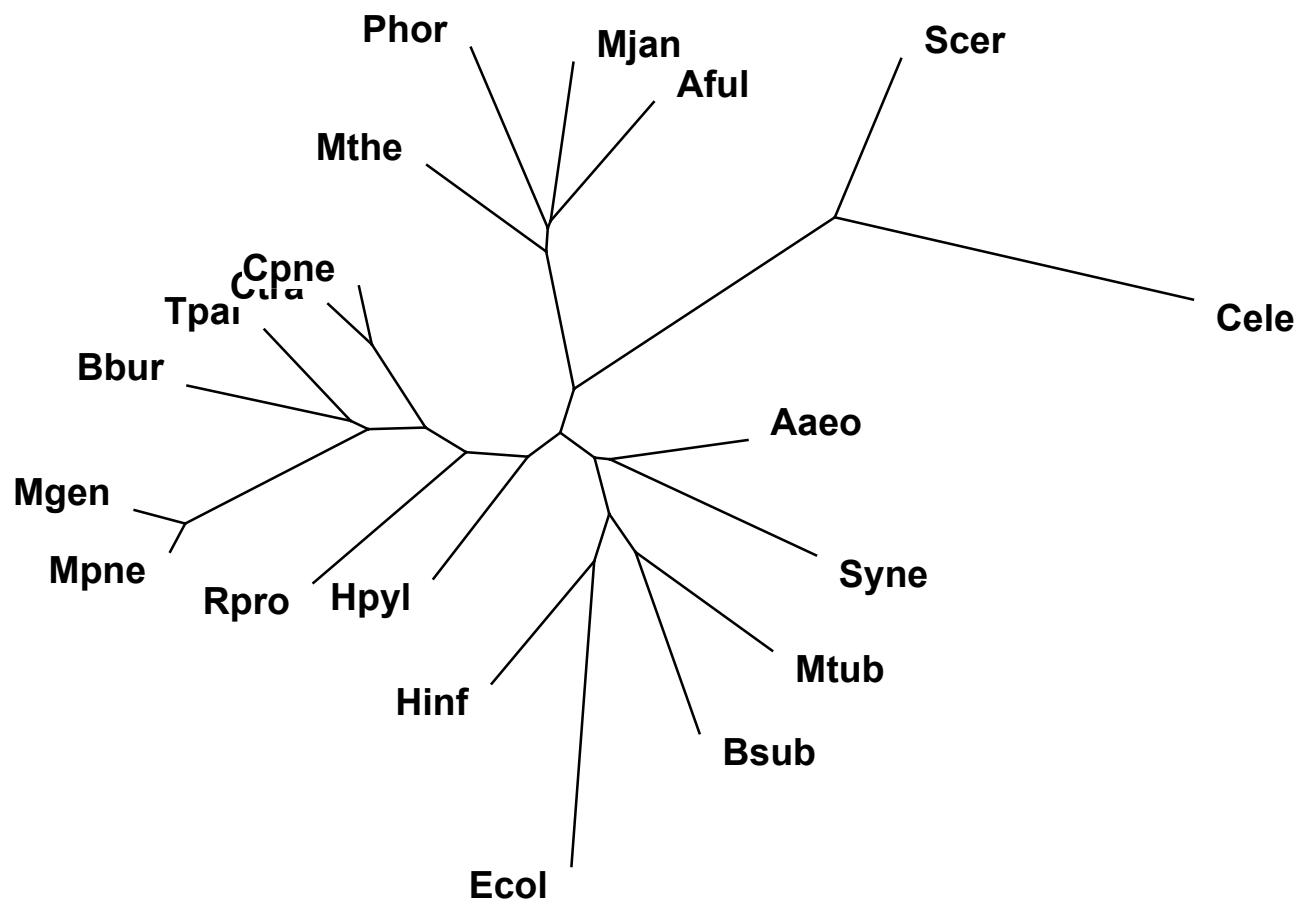
		FOLDS																				
		cel	scr	mjan	phor	mtne	aful	aaoe	mtub	bsub	mpne	mgen	hpyl	rpro	ecol	hinf	bbur	tpal	syne	cira	cipe	
5	8	21	18	17	14	20	7	9	24	33	16	23	9	17	26	21	10	20	18	3.29		
4	7	29	6	35	24	11	6	.	.	.	7	5	10	10	2	5	6	.	.	4.34		
.	5	13	9	14	12	10	10	12	6	7	7	5	12	11	8	7	8	10	9	3.1		
.	4	5	6	8	8	12	16	14	4	4	7	5	10	8	.	9	5	5	3.22			
.	.	12	10	5	7	8	7	4	4	.	10	5	4	6	4	.	5	5	4	3.53		
5	7	7	.	9	.	.	.	.	.	.	.	5	6	.	.	5	6	.	.	3.14	
.	.	4	8	8	.	.	8	.	5	8	6	3	.	11	.	.	5	5	4	3.53		
5	7	7	.	9	.	.	.	.	.	.	.	5	6	.	.	5	6	.	.	1.91	
.	.	5	4	9	9	5	4	6	7	.	5	5	.	.	.	.	.	.	.	3.4	
.	.	7	6	5	5	.	5	6	9	5	6	.	4	3	.	4	4	.	.	3.17		
.	.	5	5	5	5	7	6	6	3	.	4	5	.	.	3	4	5	.	.	3.54		
10	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5.1	
17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.1	
.	5	.	.	.	.	.	.	4	5	.	.	4	5	.	.	4	5	.	.	3.47	
.	.	.	.	.	.	.	8	10	4	5	.	4	6	.	6	6	6	6	4.61		
.	7	.	.	.	.	.	11	13	3	.	.	3	.	.	3	.	.	.	1.105		
.	.	.	.	.	.	9	5	4	5	.	.	4	.	.	4	.	.	.	3.56		
12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7.3		
.	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.51		
.	.	.	.	.	.	.	6	8	.	.	.	3	.	4	4	.	.	.	4.105		
7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7.33		
6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

		SUPERFAMILIES																				
		cel	scr	mjan	phor	mtne	aful	aaoe	mtub	bsub	mpne	mgen	hpyl	rpro	ecol	hinf	bbur	tpal	syne	cira	cipe	
3.29.1	5	8	21	18	17	14	20	7	9	24	33	16	23	9	17	26	21	10	20	18		
4.34.1	.	25	4	31	20	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3.22.1	.	4	5	6	8	8	12	16	14	4	4	4	4	4	4	4	4	4	4	4		
3.53.1	.	.	12	10	5	7	8	7	4	4	4	4	4	4	4	4	4	4	4	4		
3.4.1	.	.	5	4	9	9	5	4	6	7	5	5	5	5	5	5	5	5	5	5		
3.54.1	.	.	5	5	5	5	7	6	.	3	3	4	5	5	5	5	5	5	5	5		
5.1.1	10	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4.61.1	.	.	.	.	.	.	.	5	.	8	10	4	5	.	5	4	6	.	6	6	
3.1.5	.	5	3	7	.	.	.	4	.	.	.	.	.	.	.	2	2	.	.	.	
3.56.1	4	.	.	.	.	.	.	9	5	3	4	5	.	.	.	4	3	.	3	4	
1.105.4	.	6	.	.	.	.	.	11	12	3	.	.	.	.	.	.	.	.	3	.	
3.47.1	.	4	.	.	.	.	.	3	4	4	3	4	3	5	4	5	.	.	.	.
3.17.2	.	6	4	4	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.
2.51.3	.	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4.89.1	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7.3.9	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3.82.1	.	4	.	.	.	.	.	.	.	.	.	.	.	.	4	5	4	3	4	4	
2.7.1	9	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.
1.91.8	.	7	.	.	9	.	.	.	.	.	.	.	.	.	3	.	4	3	.	.	
5.19.1	.	.	.	.	7	.	6	5	.	.	.	.	.	.	.	.	.	.	.	.
3.14.2	.	.	4	.	.	5	.	3	.	5	.	3	.	9	.	.	.	.	.	.
3.83.1	.	.	.	.	8	.	6	4	.	.	.	.	.	.	.	.	.	.	.	.
4.34.7	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1.91.3	4	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.
4.105.1	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7.33.1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

d1gky_ P-loop containing NTP hydrolases
 d1fxd_ 4Fe-4S ferredoxins
 d1xel_ NAD(P)-binding Rossmann-fold
 d1xel_ SAM-dependent methyltransferases
 d1vid_ FAD/NAD(P)-binding domain
 d1map_ PLP-dependent transferases
 d1hcl1_ Protein kinases (PK), catalytic core
 ds051_ Class II aaRS and biotin synthetases
 d1ads_ NAD(P)-linked oxidoreductase
 d1ax9_ alpha/beta-Hydrolases
 d2tmaa_ Tropomyosin
 d1ap8_ Translation initiation factor eIF4e
 ds035_ adenine nucleotide alpha hydrolases
 ds029_ Trp-Asp repeat (WD-repeat)
 d1gsa_2 Glutathione synthetase ATP-binding
 d1apo_ EGF/Laminin
 d1km_ Periplasmic binding protein-like II
 d1cd8_ Immunoglobulin
 d1a17_ Tetra-tripeptide repeat
 ds025_ Nucleic acid-binding proteins
 d1lci_ Fatty acyl ester-like
 d2che_ CheY-like
 d1afwai_ Thiolase
 d1fht_ RNA-binding domain
 d1awcb_ Ankyrin repeat
 d1lit_ C-type lectin-like
 d1gdc_ Glucocorticoid receptor DNA-binding



0.1



0.1

Figure 3 -- Conservation of the superfamilies in the 6 structural classes

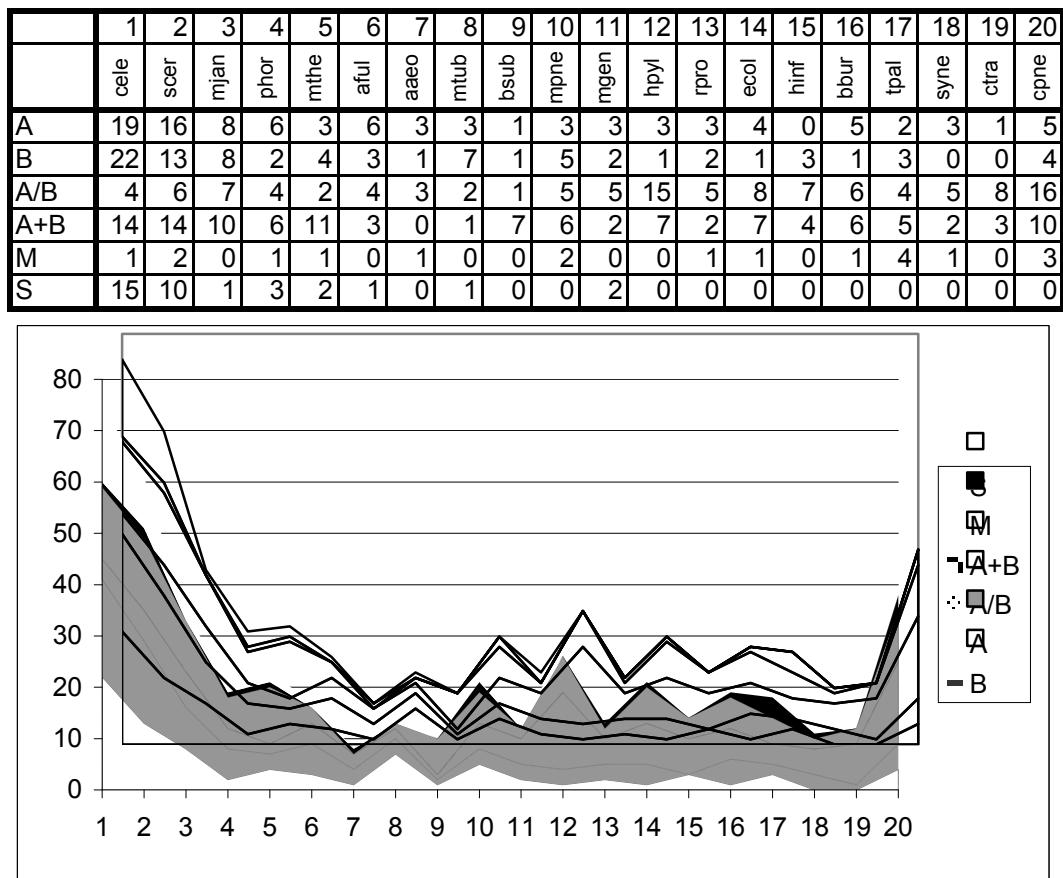


Figure 4 - Schematic of the different fold patterns

