

Figure 1A

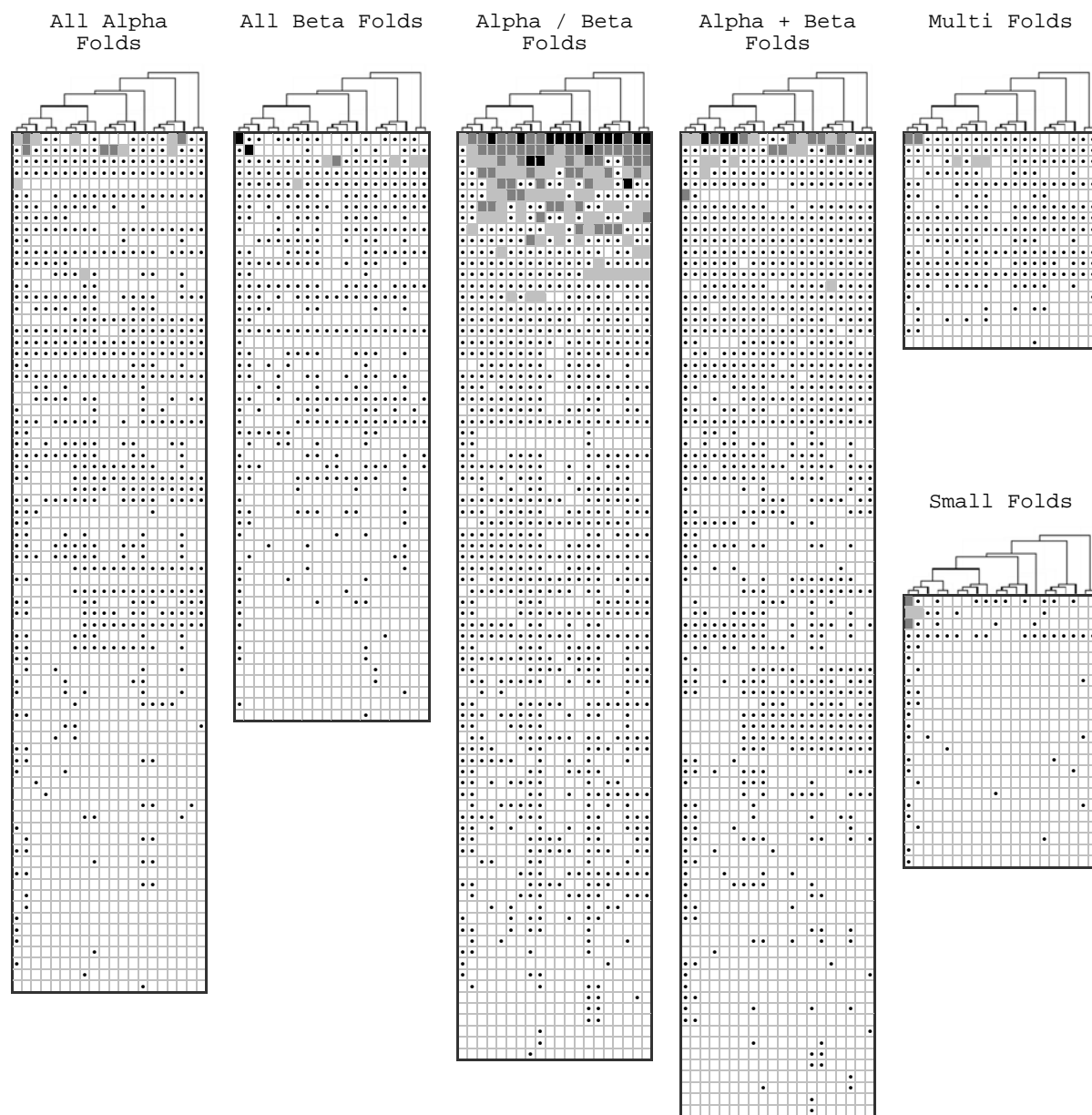


Figure 2

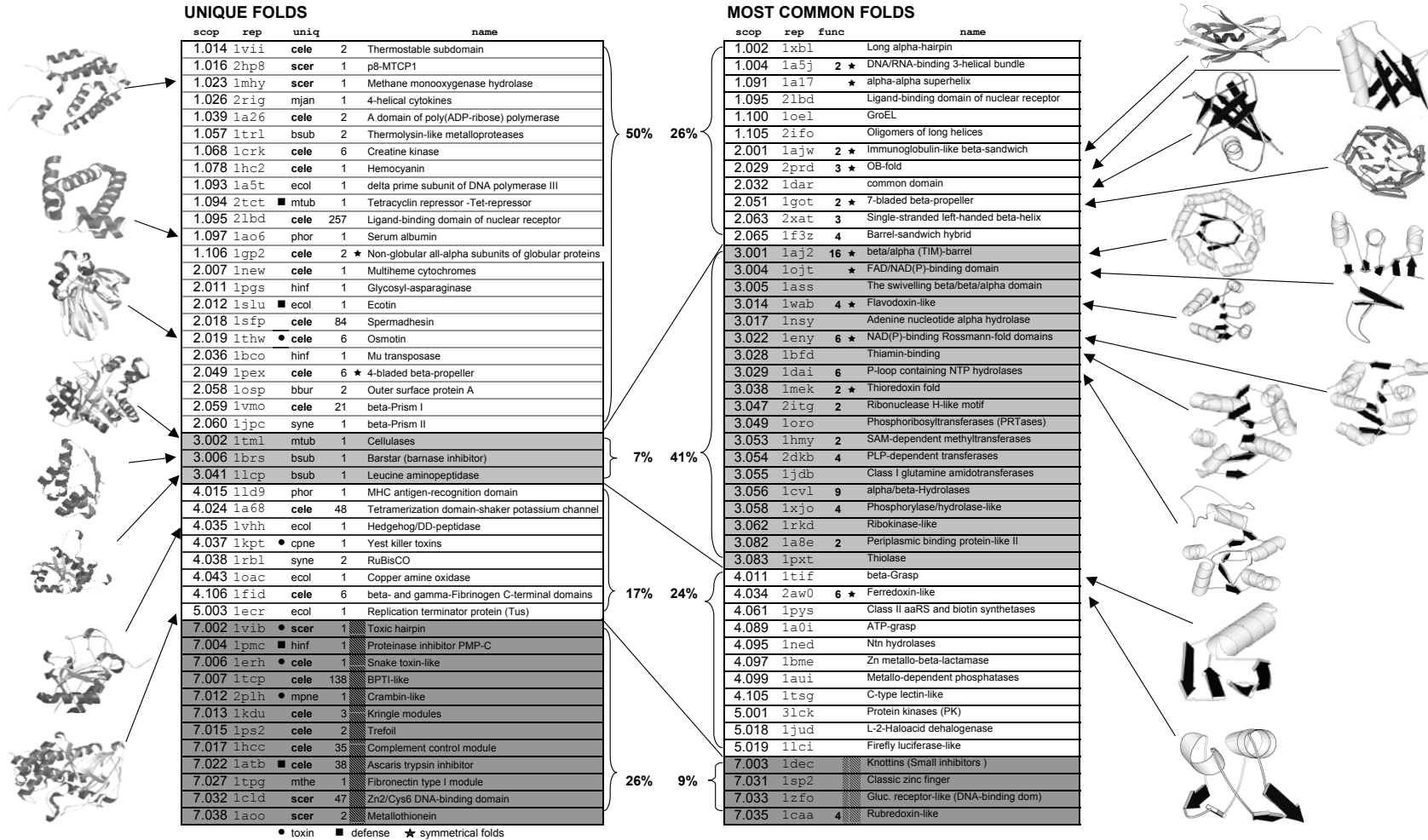


Figure 3 -- Conservation of the superfamilies in the 6 structural classes

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	cele	scer	mjan	phor	mthe	aful	aaeo	mtub	bsub	mpne	mgen	hpyl	rpro	ecol	hinf	bbur	tpal	syne	ctra	cpne
A	19	16	8	6	3	6	3	3	1	3	3	3	3	4	0	5	2	3	1	5
B	22	13	8	2	4	3	1	7	1	5	2	1	2	1	3	1	3	0	0	4
A/B	4	6	7	4	2	4	3	2	1	5	5	15	5	8	7	6	4	5	8	16
A+B	14	14	10	6	11	3	0	1	7	6	2	7	2	7	4	6	5	2	3	10
M	1	2	0	1	1	0	1	0	0	2	0	0	1	1	0	1	4	1	0	3
S	15	10	1	3	2	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0

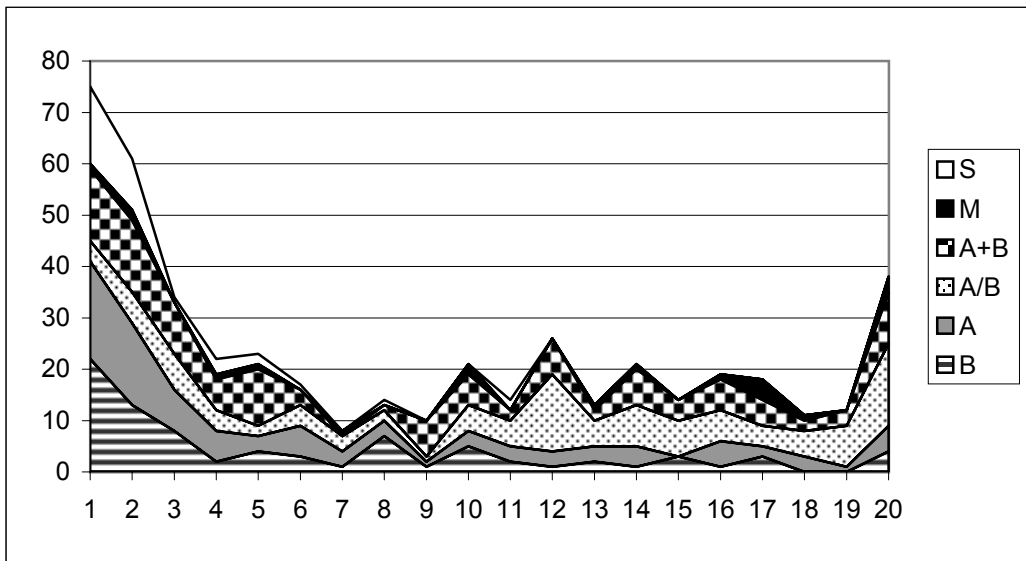
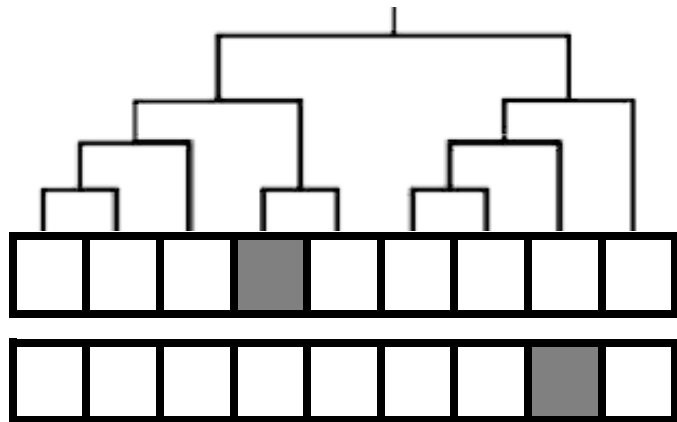
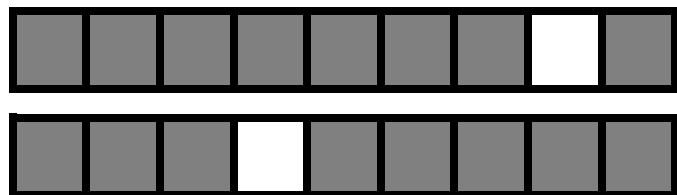


Figure 4 - Schematic of the different fold patterns



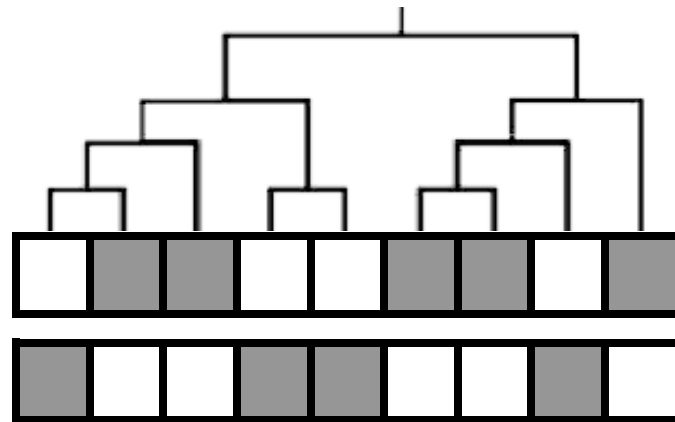
PRESENT IN A SINGLE ORGANISM



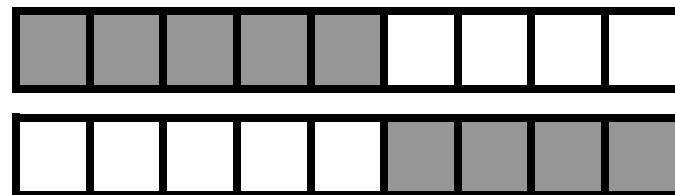
ABSENT FROM A SINGLE ORGANISM



ABUNDANCE OF FOLDS OR ORGANISMS



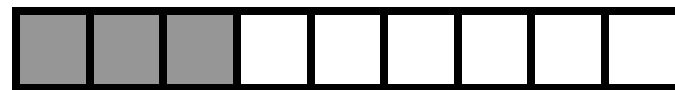
COMPLEMENTARY PATTERN



SINGLE CLADE (COMPLEMENTS)



LATERAL GENE TRANSFER



GENE LOSS