

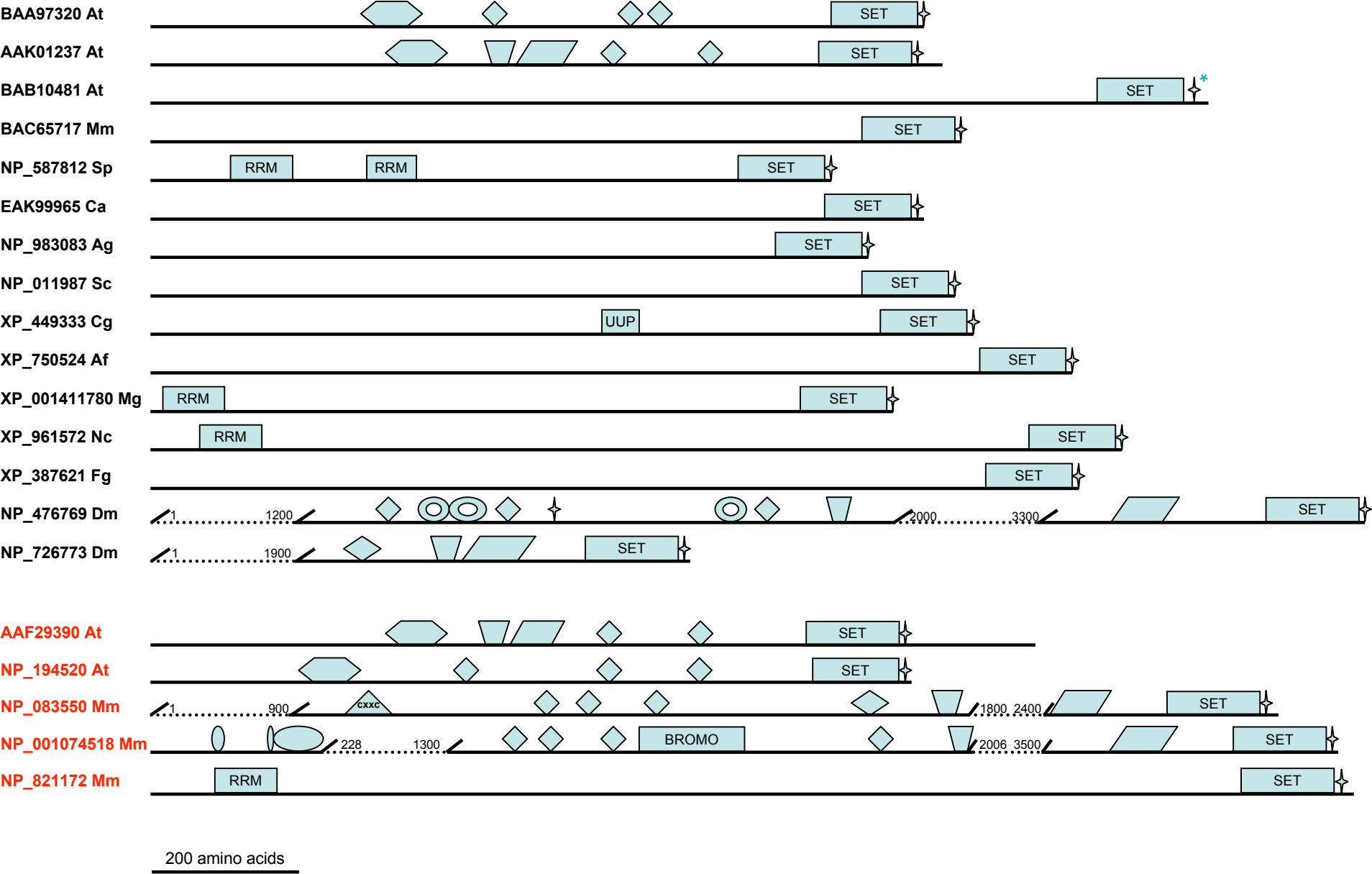
Domain architectures of SET-domain protein families

Symbols	Domain names
	SET domain
	SET domain (conservation only in C terminal region)
	SET domain (conservation only in N terminal region)
	PHD Zn-finger
	Zn-finger MYND
	Zn-finger MYND (conservation only in C terminal region)
	Zn-finger MYND (conservation only in N terminal region)
	Tudor domain
	MORN (Membrane Occupation and Recognition Nexus)
	IPT (Immunoglobulin-like fold)
	ANK (ankyrin repeats)
	TPR (Tetratricopeptide repeat domain)
	TPR (conservation only in C terminal region)
	DUF (Domain of Unknown Function)
	SANT ('SWI3, ADA2, N-CoR and TFIIB' DNA-binding domains)
	JMJC (conservation only in C terminal region)
	JMJC
	BAH (Bromo Adjacent Homology domain)
	SRI (Set2 Rpb1 interacting domain)
	AWS (associated with SET domains)
	HMG (High Mobility Group-box)

Symbols	Domain names
	PRS (pre-SET domain)
	PRS (conservation only in C terminal region)
	PRS (conservation only in N terminal region)
	HMT MBD (Histone Methyltransferase Methyl-CpG binding domain)
	SRA (SET and RING finger associated domain)
	GTP elongation factor
	RRM (RNA recognition motif)
	UUP (ABC transporters ATPase domains)
	BROMO
	Post SET (Diverged form of the post SET motif: CXCXXXXC)
	WW
	CW-type Zn-finger
	PWWP motif
	AT Hook
	CHROMO
	Zn-finger
	Zn-finger (conservation only in C terminal region)
	RING-finger
	FYRN (F/Y-rich N-terminus)
	FYRC (F/Y-rich C-terminus)
	Zn-finger CXXC

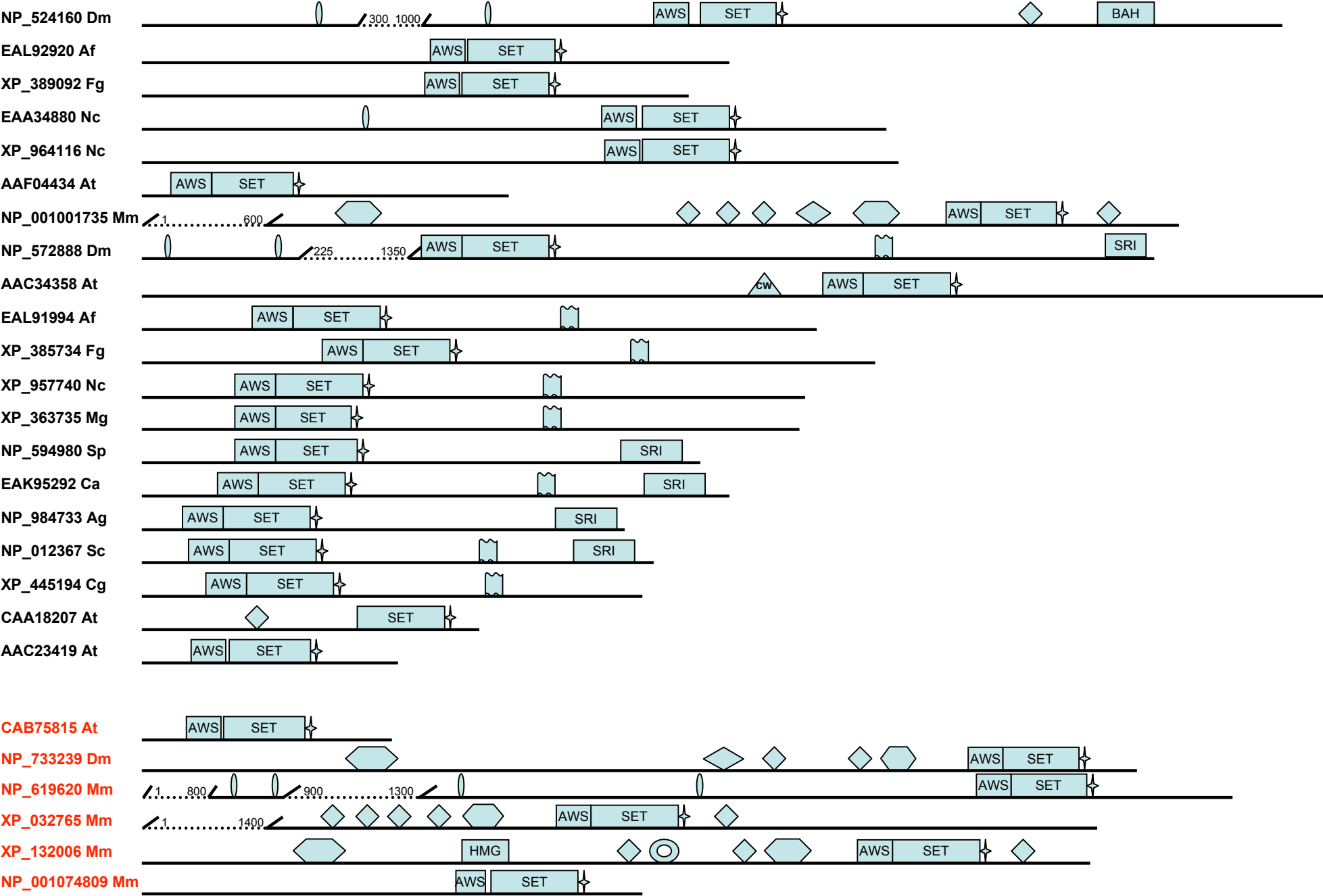
In the following figures, each protein is represented by a solid horizontal line proportional to the length. Positions of domains are illustrated using the symbols above. The sizes of these symbols are not proportional to their actual size. When some regions are abbreviated for too long proteins, such regions are indicated with dashed lines with start and end position numbers as:

[SET 1 family]

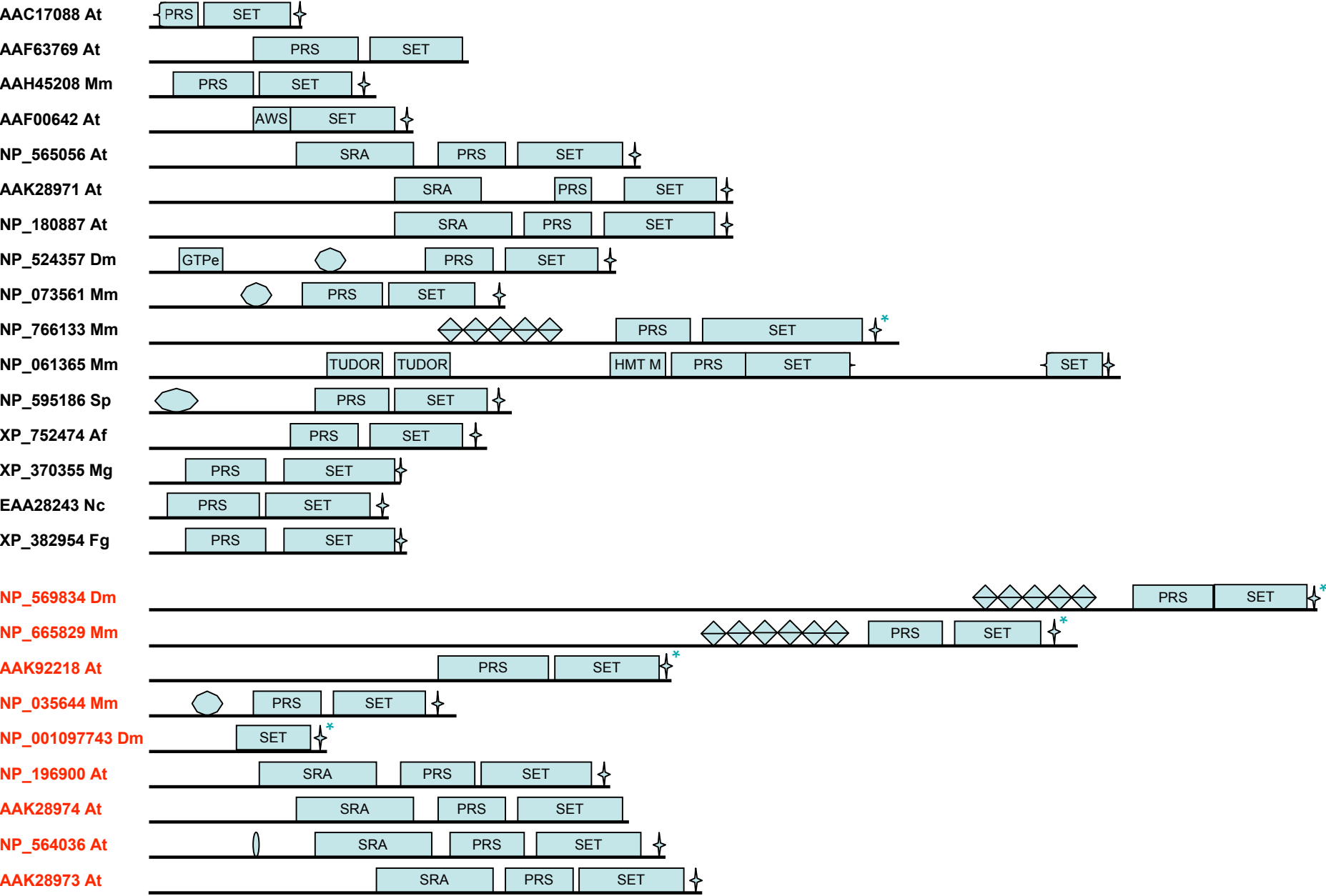


(NOTE: Sequences included only in the draft phylogeny, Additional file 2, are shown in red font.)

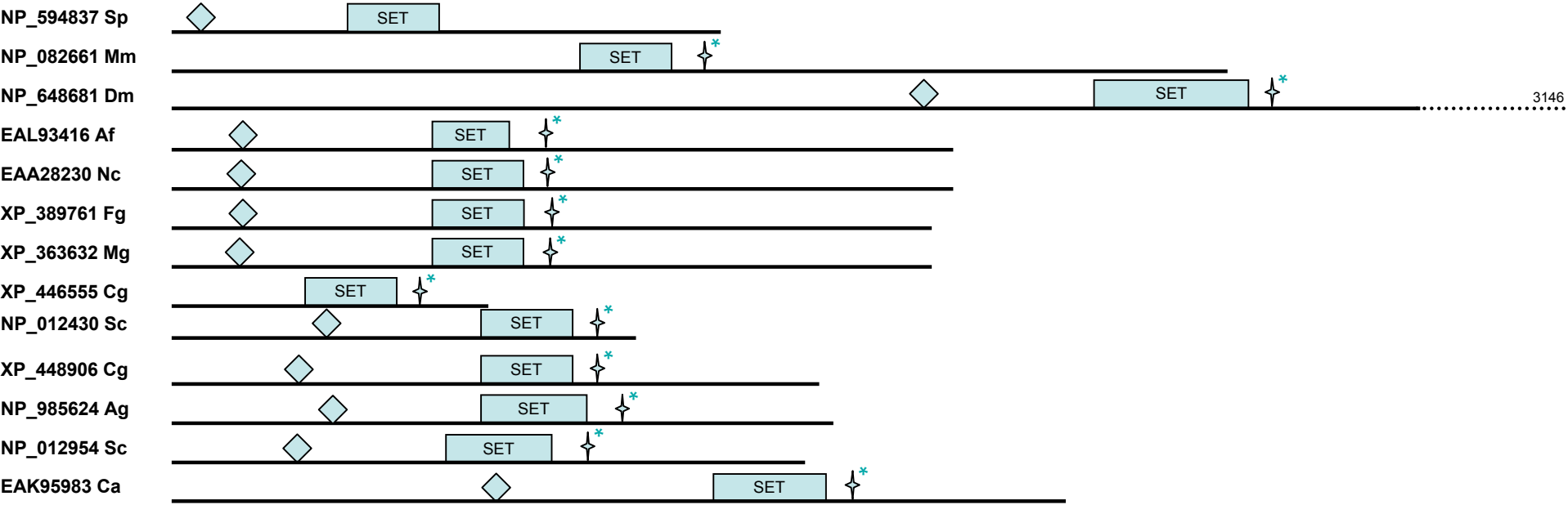
[SET 2 family]



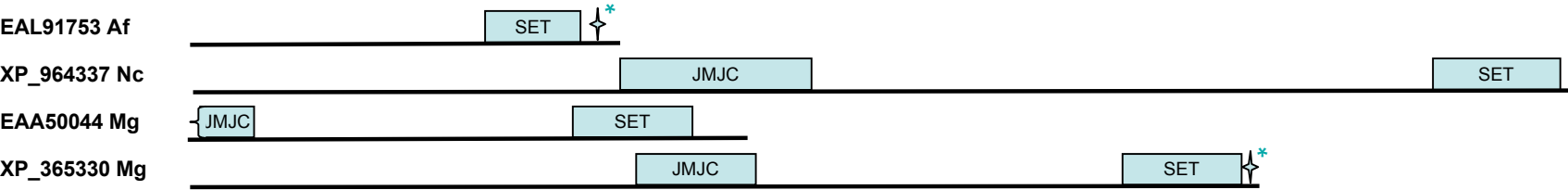
[Su(var)3-9 family]



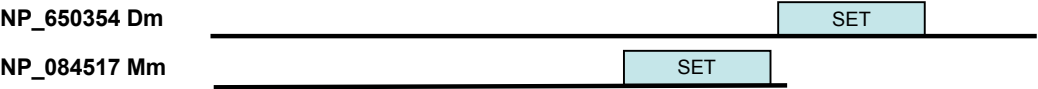
[SET 3/4 family]



[SET JmjC family]

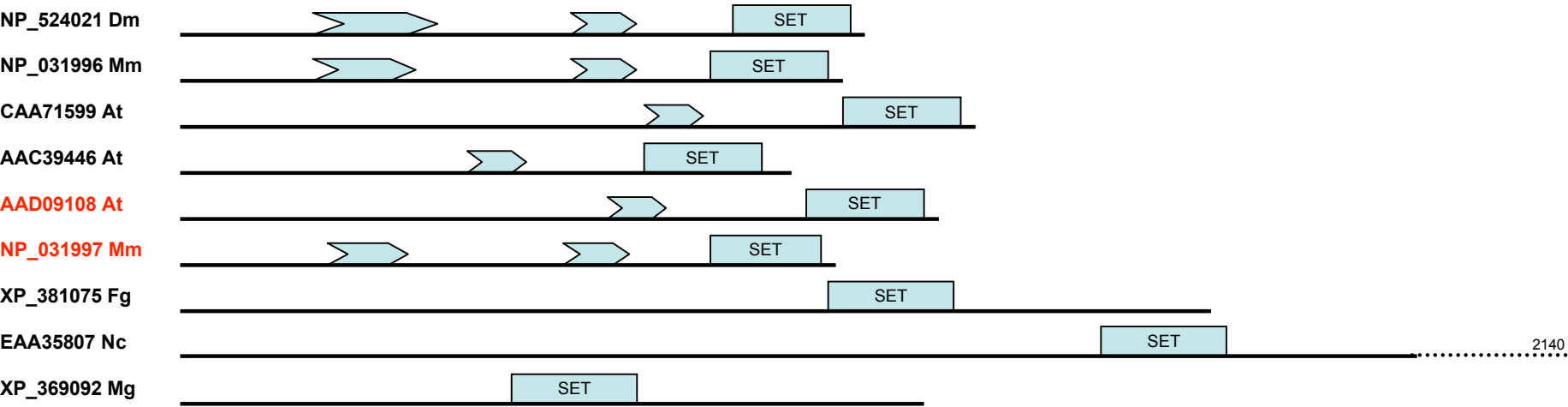


[SET 8 family]

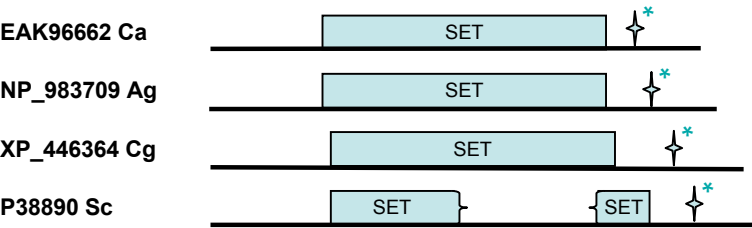


200 amino acids

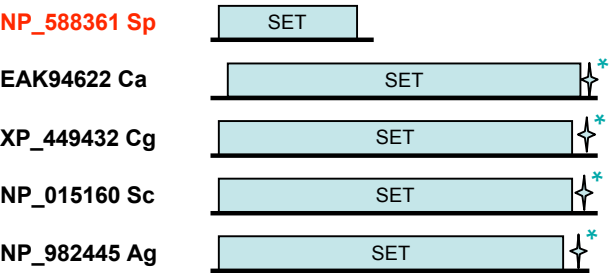
[E(z) family]



[SET 5 family]

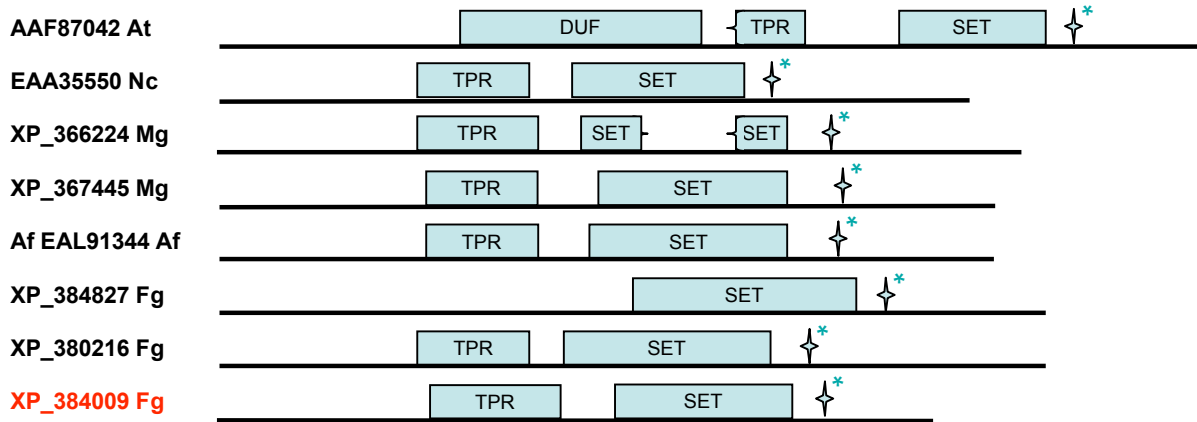


[SET 6 family]

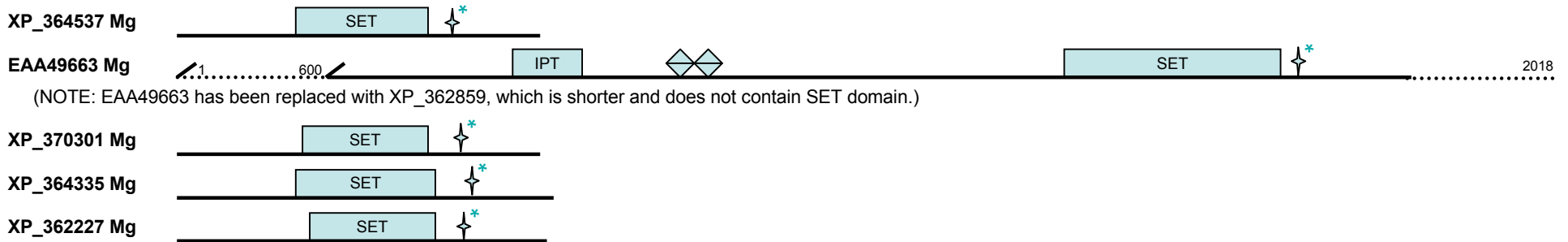


200 amino acids

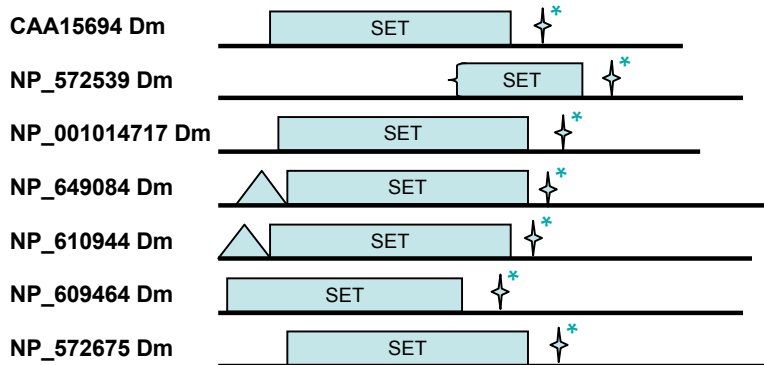
[SET TPR family]



[SET Mg family]

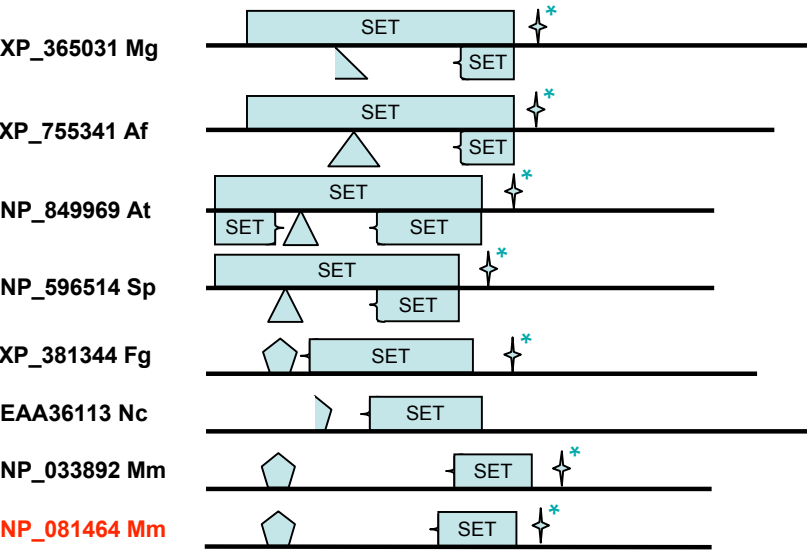


[SET Dm family]

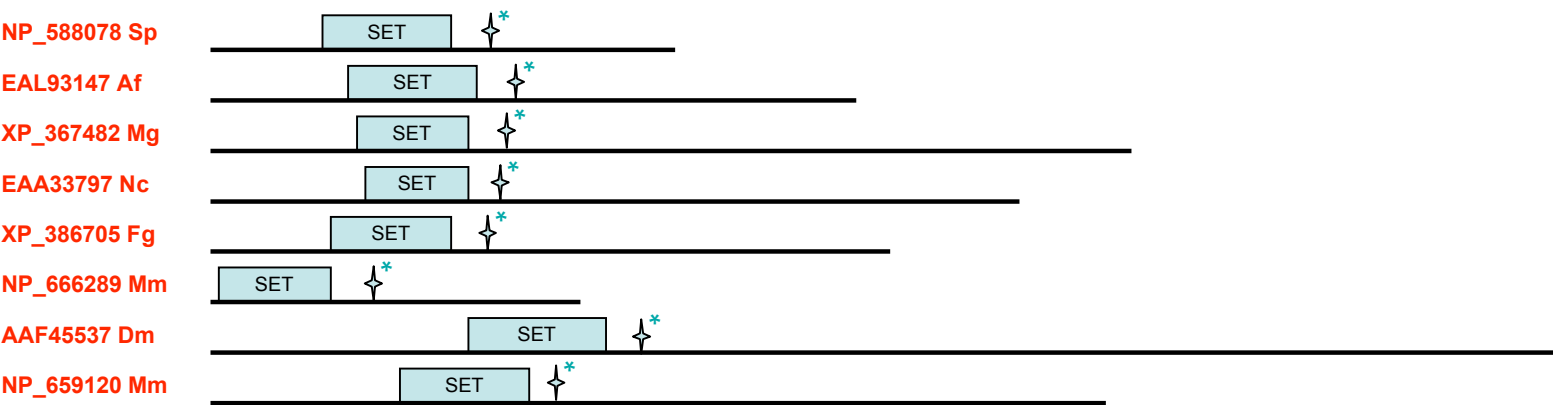


200 amino acids

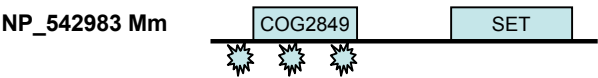
[SET MYND family]



[Su(var)4-20 family]



[SET 7/9 family]



200 amino acids