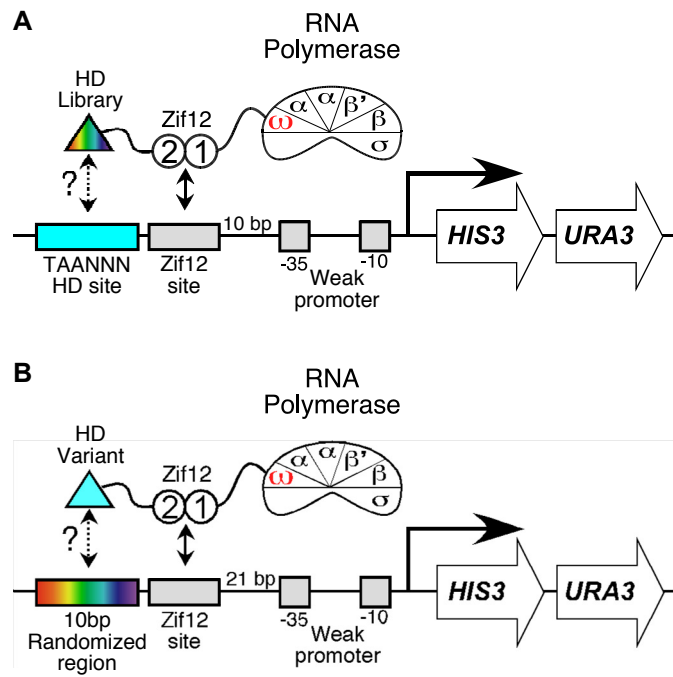


Supplemental Figure 1.



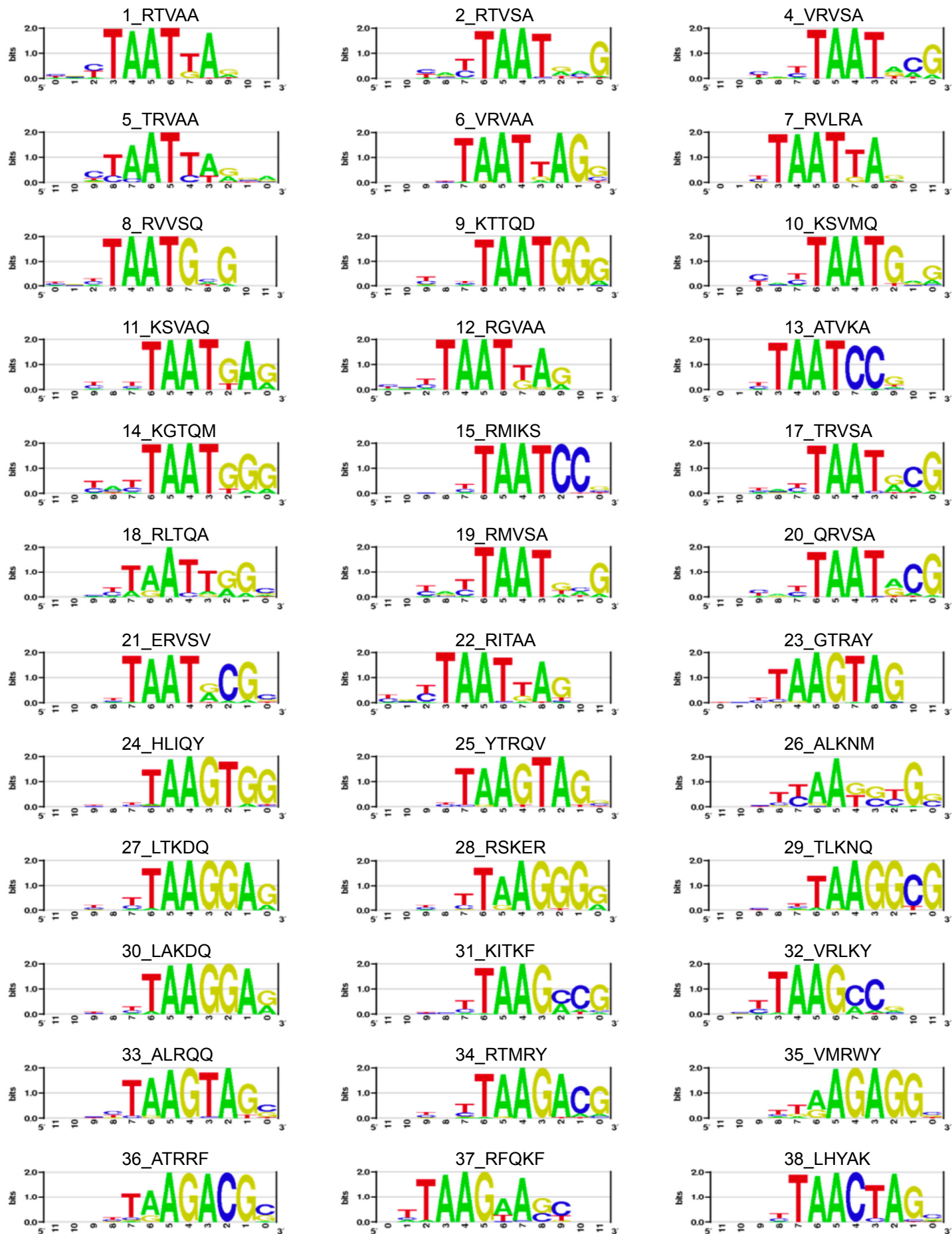
Supplemental Figure 2.

		POSITION 6			
		A	C	G	T
P O S I T I O N 4 & 5	AA	10	10	10	10
	AC	10	10	10	10
	AG	10	10	10	10
	AT	10	10	10	10
	CA	50	50	10	25
	CC	50	50	25	50
	CG	25	25	25	25
	CT	25	25	25	10
	GA	50	50	50	50
	GC	50	50	10	10
	GG	50	50	50	10
	GT	50	50	50	10
	TA	25	50	25	10
	TC	10	50	10	25
	TG	25	25	25	25
	TT	20	25	25	25

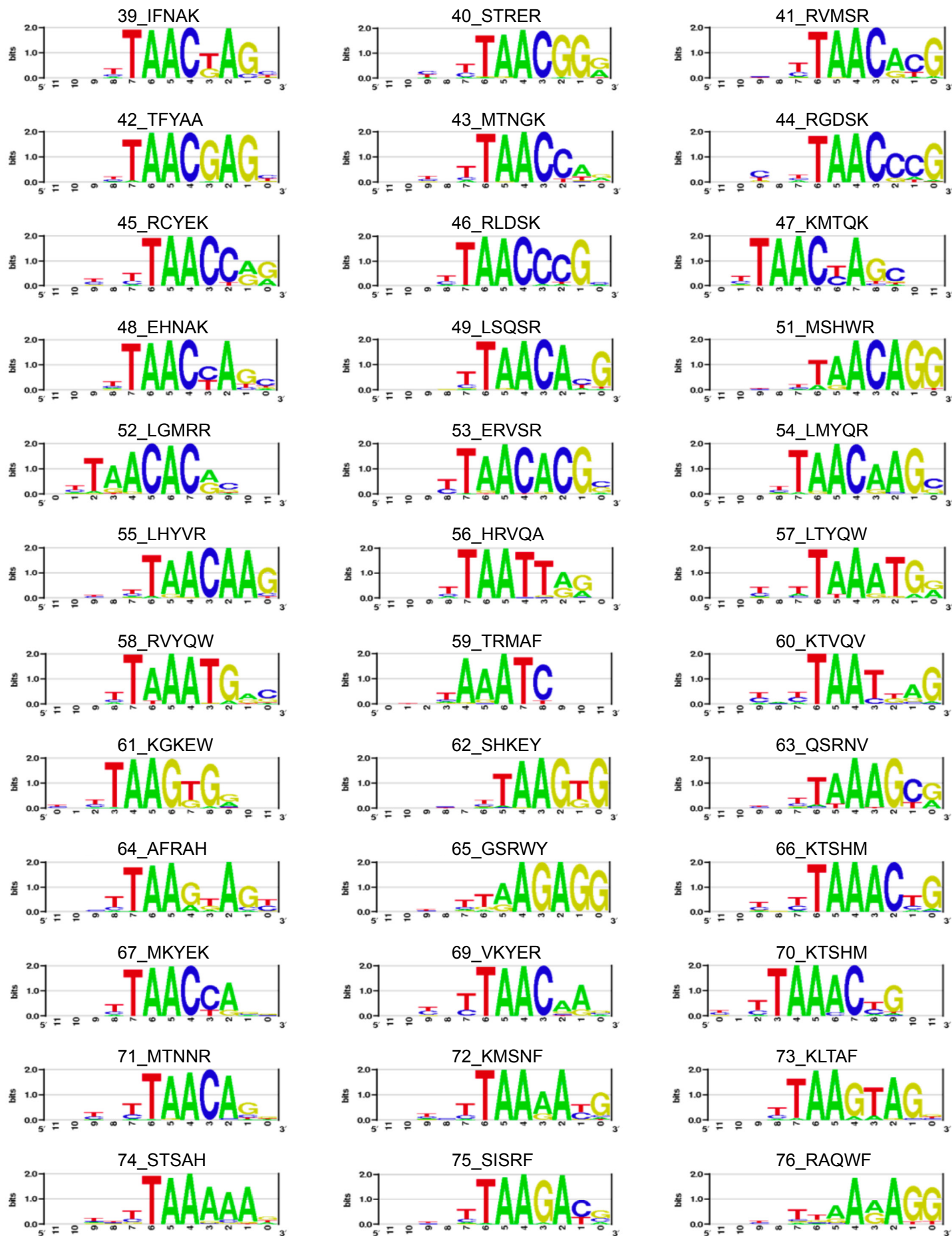
Supplemental Figure 3.



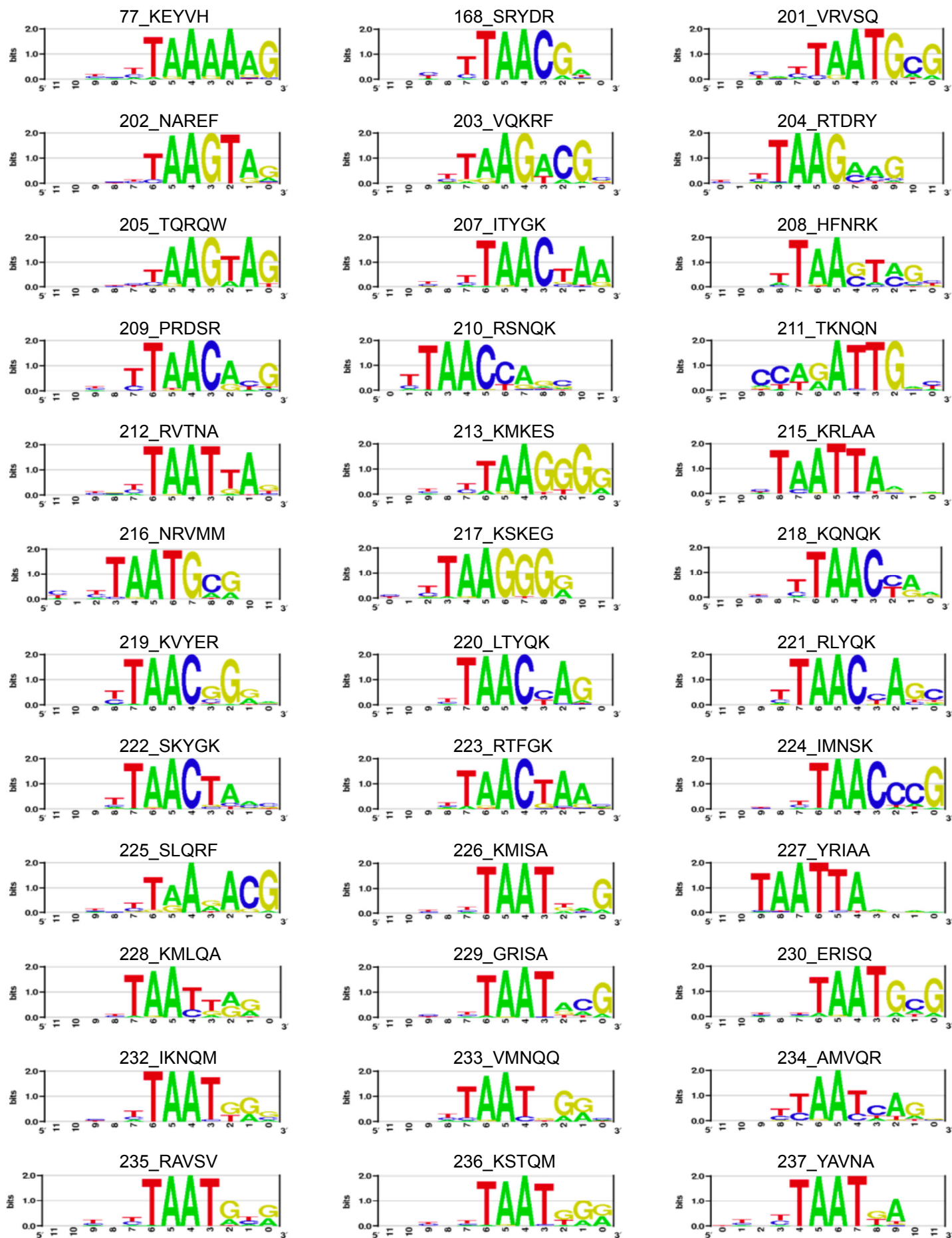
Supplemental Figure 4.1



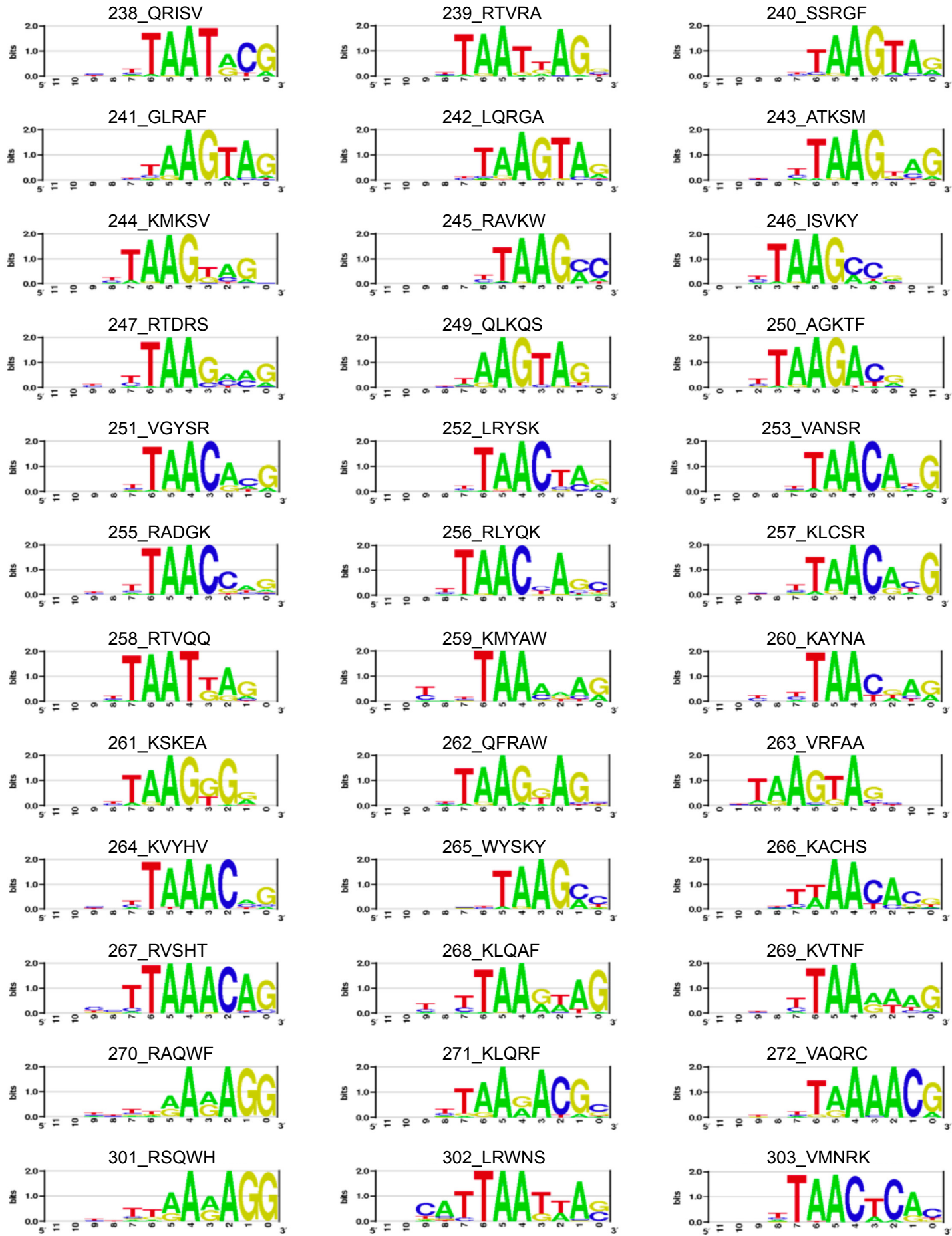
Supplemental Figure 4.2



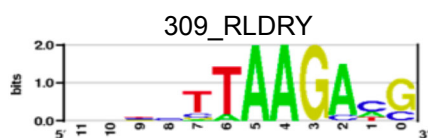
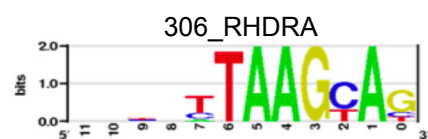
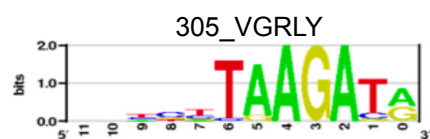
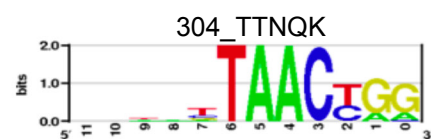
Supplemental Figure 4.3



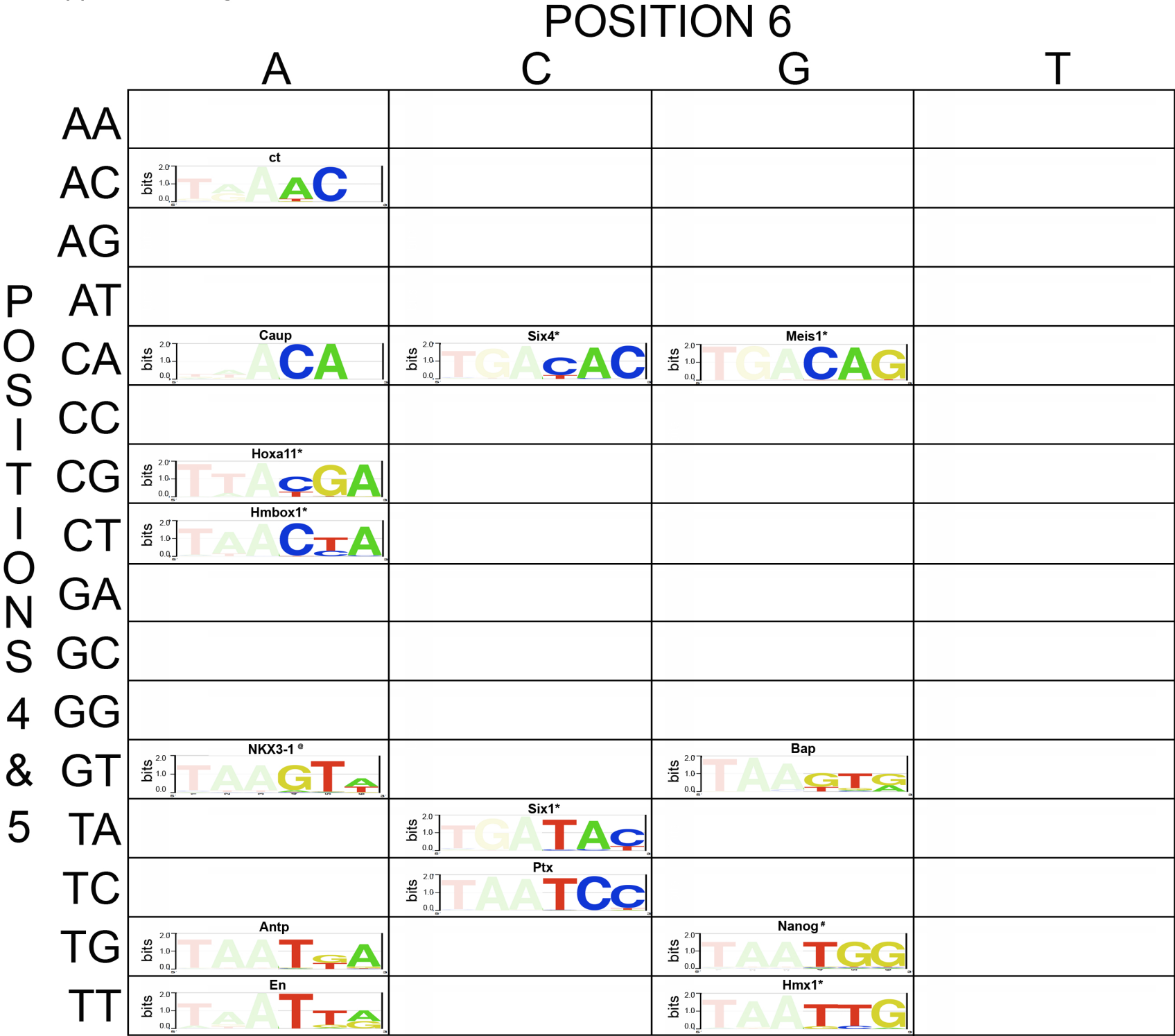
Supplemental Figure 4.4



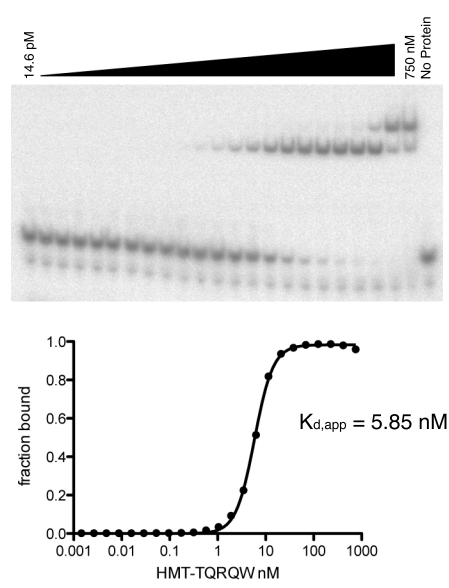
Supplemental Figure 4.5



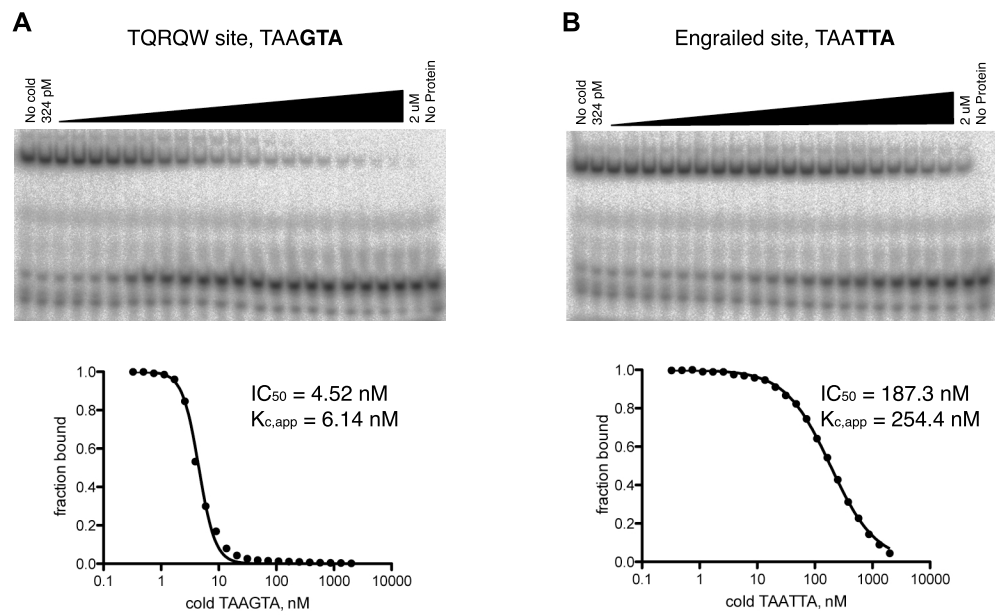
Supplemental Figure 5.



Supplemental Figure 6.



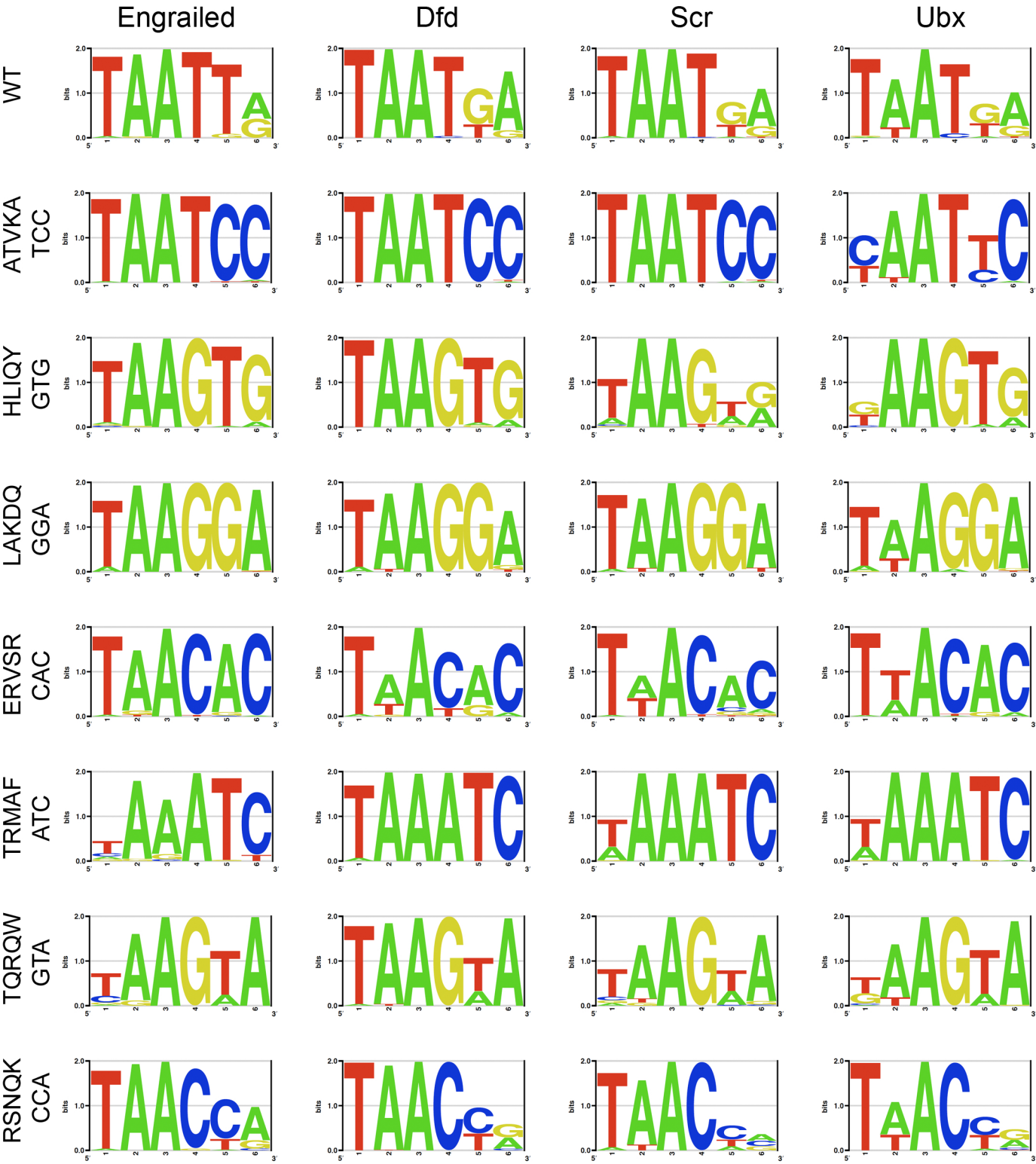
Supplemental Figure 7.



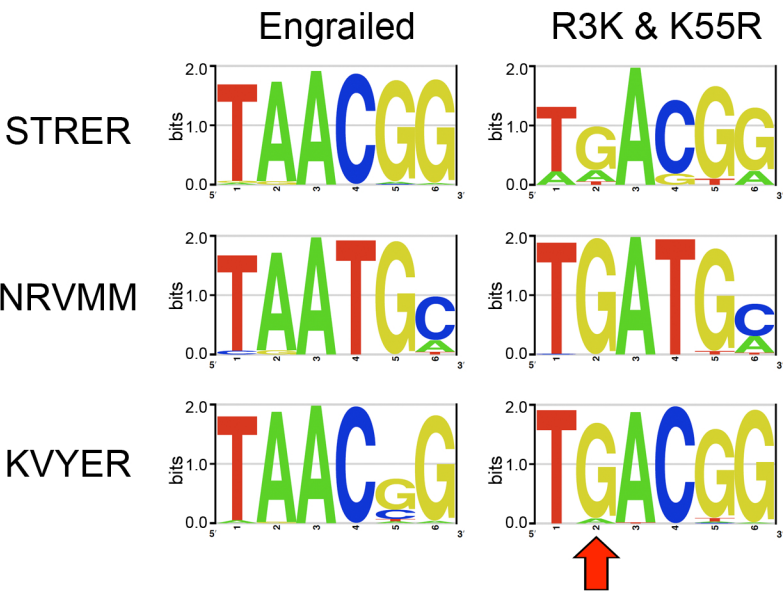
Supplemental Figure 8.

HOMEODOMAIN BACKBONE

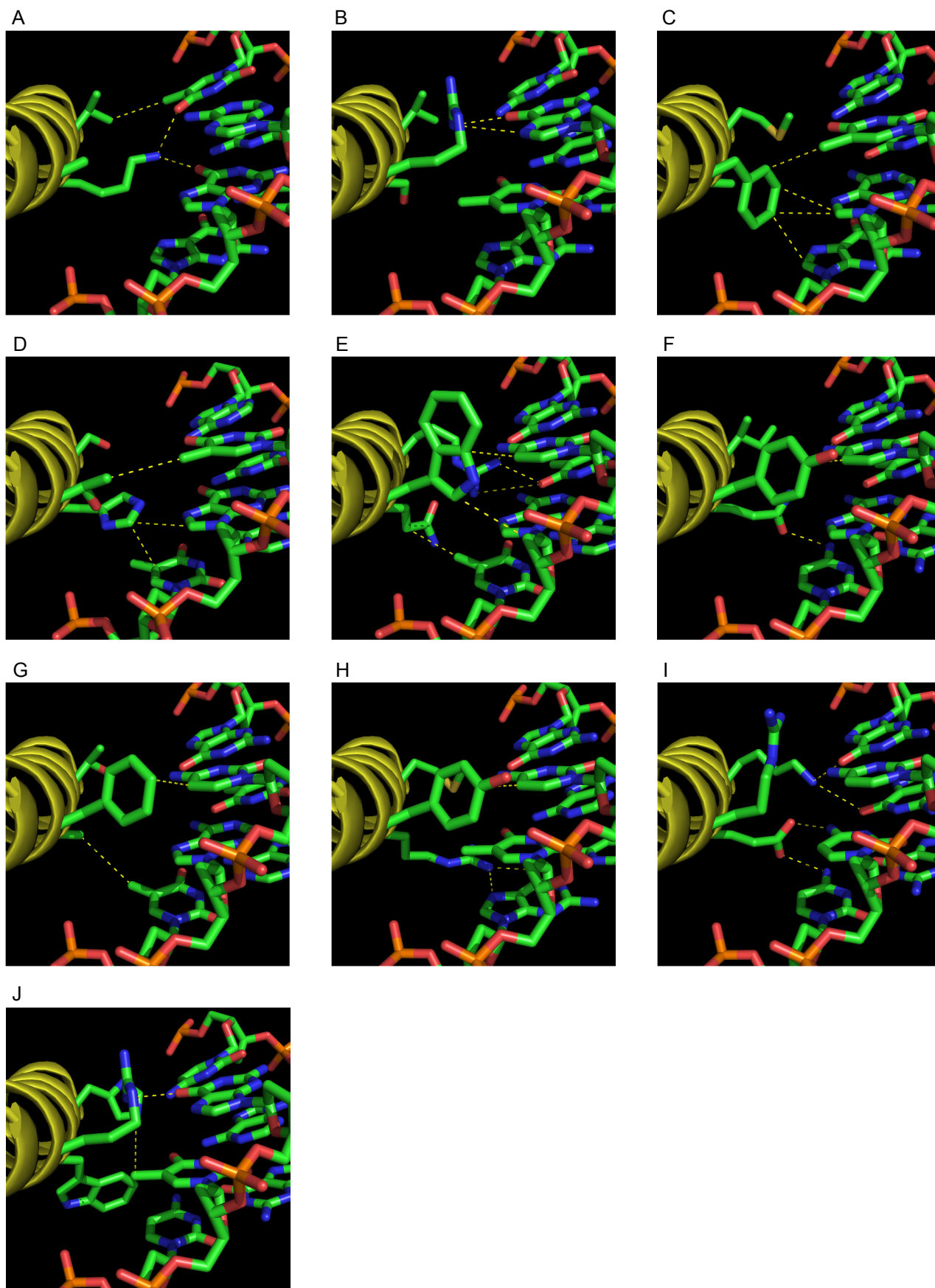
HOMEODOMAIN VARIANTS & TARGET SITE



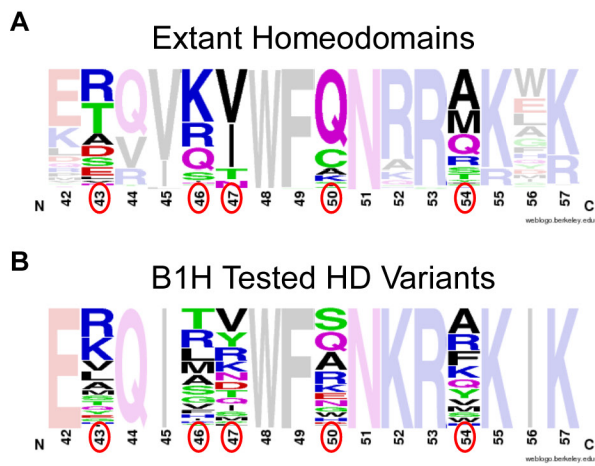
Supplemental Figure 9.



Supplemental Figure 10.



Supplemental Figure 11.



Supplemental Figure 12.

