

6-mer	Reverse complement	SVM weight	Top matched TF(s)	Corresponding PWM logos
GAGTCA	TGACTC	5.13	JUN, FOS	
GA CTCA	TGAGTC	4.43	JUN, FOS	
CACGAG	CTCGTG	4.09	MYCN (MITF*)	
CGTGAC	GTCACG	4.00	PAX2 (PAX3*)	
ACGTCA	TGACGT	3.89	ATF1, JDP2, CREB1	
ACAAAG	CTTTGT	3.72	SOX10	
CACATG	CATGTG	3.54	MYCN (MITF*)	
ACCACA	TGTGGT	3.48	RUNX1	
AAGAAT	ATTCTT	3.45	GATA6, SOX5	
ATTCCA	TGGAAT	3.40	TEAD1	

Figure S6