Α				1
	>NB9	GGTGCCA CAGTT<u>C</u>CGCC	2 10.5	
	>NB11	GGGGTGCA GTGTT<u>T</u>CT GG		
	>NB27	GGCGGGATGTG TGGTT<u>T</u>G		
	>NB33	C CGGTTG CGCTACGGCGG		
	>NB34	GGGCACAGA CCATTC TCC	5	3
	>NB37	GGGGG <u>G</u>GGTT<u>C</u>ATGCGTG		
	>NB39	TGTT<u>C</u>TCCGACCTCCGGG		T
	>NB17	GCCGGATCGGT GTGTTG C		,
	>NB40	GCAATATGGT CGGTT		
	>NB2	GGGCCATGCG CGGTT<u>C</u>C		
	>NB4	GGGACCTGAC CCGTT<u>T</u>CC		1
	>NB7	GGAGGTC CT<u>C</u>TTG CGTGT		<u> </u>
	>NB1	CCTCCG CGGT<u>A</u>A GCGACC	5	3
	>NB15	TGT CTGT<u>AC</u>CGGCGG		
	>NB16	GGCGAG CA<u>T</u>TTA GGTGCC		η
	>NB22	CCCA TCGT<u>C</u>A CCCCCCGG		
	>NB23	GACCATA TGGT<u>G</u>G GCTGG		
	>NB12	CA CAGT<u>A</u>A GACCGCTAC		1
	>NB28	CGGGACAAG TCGTTA GGG		•
	>NB8	GGGGAGAG CG<u>A</u>TTA GCCC		1
	>NB24	GGCCGT CCGTTA CGTGTG	5	3′
	>NB21	GGGGGGCCTGAC TCGTT		

Figure S5: MYB21 SELEX (systematic evolution of ligands by exponential enrichment) experiment. MYB21 cDNA was cloned into the expression vector pDEST17 (Invitrogen), the MYB21 recombinant protein was produced in Escherichia coli (BL21) and purified using the Ni-NTA agarose kit (Qiagen) according to manufacturer recommendations. PCR SELEX was carried out as follow: purified MYB21 was incubated with а m i. х 0 f r а n d 0 m р r i. m е r s (5 TCGACTCGAGTCGACATCGNNNNNNNNNNNNNNNNGGATCCTGCAAATTCGCG-3') and immunoprecipitated (IP) with nProtein A Sepharose™ 4 Fast Flow (GE healthcare) according to manufacturers instructions using the low salt buffer and Anti-His 6 -Peroxidase (Roche Life Science). DNA fragments were amplified following IP with the following forward and reverse primers: 5'-CGCGAATTTGCAGGATCC-3' and 5'-TCGACTCGAGTCGACATCG-3'. After six cycles of PCR SELEX, DNA fragments were cloned and sequenced. (A) Sequence alignment of 22 DNA fragments bound to MYB21 identified after sequencing. Aligned sequences are centred on the consensus MYB core DNA motif, [C/T]NGTT[A/G]. (B) Logo generated from the 21 DNA motifs. (C) Logo generated from the DNA motifs that were similar to the MYBcore type I sequence: CNGTT[A/G]. (D) Logo generated from the DNA motifs that were similar to the MYBcore type II sequence: TNGTT[A/G].