

Table S1. Templates and primers for PCR to engineer ABCG2 domain constructs

Constructs	Template	Primer name	Primer Sequence
Myc-TM1-2/L1*	Myc-TM5-6 (PCR1)	P1	5'-CGCGGATCCGCCGCCATGGAACAAAAGCTCATCTCAGAAGAAGATCTGTCTTCCAGTAATGTGC-3'
		P2	5'-TTAGAGTGTGGTAACGTTAGCCCAAAGTAAAT-3'
	Myc-TM1-2 (PCR2)	P3	5'-AATCTCACAAACCATTGCA-3'
		P4	5'-GTGATTCTTCCACAACCTTCTTCTCCTGACGACCAACCAGTGTTCAGCAGTGTTCAGCCGTGGAACCTTTGTG-3'
	PCR1 and PCR2	P1	Same as above
P5		5'-CCGGAATTCCACAAAGAGTTCACGGCTGA-3'	
Myc-TM5*6*	Myc-TM5-6 (PCR1)	P6	5'-CCTGGCCATAGCAGCAGGTCAGAGTGTGGTTTCTATAGCTCAGATCATT-3'
		P7	5'-TTAGAGTGTGGTAACGTTAGCCCAAAGTAAAT-3'
	Myc-TM1-2 (PCR2)	P3	Same as above
		P4	Same as above
	PCR1 and PCR2	P6	Same as above
P8		5'-CCGGAATTCTTAAGAATATTTTTTAAGAAATAACAATTCACAAAGAGTTCAC-3'	
Myc-ECL3*	Myc-TM5-6 (PCR1)	P9	5'-CCTGGCCATAGCAGCAGGTCAGAGTGTGGTTTCTGTAGCAACACTTCTCATG-3'
		P10	5'-AGTAGAATCATTTTTGACCAACAGACCTGAAAA-3'
	Myc-TM1-2 (PCR2)	P11	5'-AAAAATGATTCTACTGGAATCCAGAACAGAGCTGGGGTTGTGGCCTTGGCTTGTATGATTGT-3'
		P12	5'-CCGGAATTCTTAAGAATATTTTTTAAGAAATAACAATTCAGGTAGGC-3'
	PCR1 and PCR2	P9	Same as above
P12		Same as above	
Myc-L3*TM6*	Myc-TM5-6 (PCR1)	P9	Same as above
		P10	Same as above
	Myc-TM1-2 (PCR2)	P13	5'-AAAAATGATTCTACTGGAATCCAGAACAGAGCTGGGGTT-3'
		P8	Same as above
	PCR1 and PCR2	P9	Same as above
P8		Same as above	
Myc-TM5*L3*	Myc-TM5-6 (PCR1)	P6	Same as above
		P14	5'-TCTGTTCTGGATTCCAGTAGAATCATTTTTAGCCCAAAGTA-3'
	Myc-TM1-2 (PCR2)	P11	Same as above
		P12	Same as above
	PCR1 and PCR2	P6	Same as above
P12		Same as above	