

Table S2. sgRNAs used for CRISPR/Cas9.

Target	Location	Primer orientation	Primer sequence
BMF KO	upstream target	Fw	caccGCTCCATCTCTCCTGTGAGG
		Rv	aaacCCTCACAGGAGAGATGGAGC
	downstream target	Fw	caccgACTCCTCCCATAGAGACTGG
		Rv	aaacCCAGTCTCTATGGGAGGAGTc
CRE#1 KO	upstream target	Fw	caccGCACTGCAGCTTATGGAGGG
		Rv	aaacCCCTCCATAAGCTGCAGTGC
	downstream target	Fw	caccgTCTGGGTTGAGCAAAGTAAG
		Rv	aaacCTTACTTTGCTCAACCCAGAc
CRE#2 KO	upstream target	Fw	caccgAGACTGTAGCCTCTCCCGAG
		Rv	aaacCTCGGGAGAGGCTACAGTCTc
	downstream target	Fw	caccgTAAATAGCTTGACCATGACT
		Rv	aaacAGTCATGGTCAAGCTATTTAc
CRE#3 KO	upstream target	Fw	caccgCAAGACAAGCCTGACCGACA
		Rv	aaacTGTCGGTCAGGCTTGTCTTGc
	downstream target	Fw	caccgTCTCAATATGCTCTGCAACA
		Rv	aaacTGTTGCAGAGCATATTGAGAc