

Table S2. Primers used in this study

Oligo #	Name	Sequence (5'-3')
Tn7-tag donor vector construction		
3201	Tn7L-Fsel-Bam-for	aggactacggatcctgtggccggccAATAAAGTCTTAACTGAACAAA
3202	Tn7L-Ascl-rev	gacctgacggcgccGTCGACCCACGCCCTCTTTAAT
4724	mEOS_for	aggcgccggccggccTGGATCCGCTGGCTCCGCTGCTGGTTCTGGC GAATTCATGAGT
4725	mEOS_rev	gctctagagttaaacTAAATCTCCAGATCCTGCAGCAGATCCTGCAGAGCCTCGTCT GGCATTGTCAGGCAATCCAGAATGAG
5300	L1-GFP-f	atttagatccgtggctccgctgctggttctggcATGTCTAAAGGTGAAGAATTATCACTGG TG
5301	L2-GFP-r	ataagtttaaactagctcctcctgcagagatcctgcagagccTTTGTACAATTCATCCATACCAT GGGTAATAC
DCW1-Yiplac211 knockout construct		
1975	DCW1 3'flank rev SphI	acatgcatgcAGGAAACCATGTAAGCGATGAATAT
1976	DCW1 3'flank for KpnI	gggtaccTGCAGAACTTATGAAAGCTTAACATTT
1977	DCW1 5'flank rev KpnI	gggtaccTTTTATGTGTTTCGTTTTTAAAACAGAC
1978	DCW1 5'flank for HindIII	ccccaagctTAGATGAACCTGAACCTAAGATGATC
Amplify across DCW1 knockout region		
2306	DCW1 5' check	TCGTTTAAATTCAATTGGAAGTGA
2307	DCW1 3' check	TTCAAACAAAATTCGTTTCGATATTA
Verify DCW1-Yiplac211 integrants		
1504	Yiplac backbone	TATGTTGTGTTGGAATTGTGAGCGG
1505	URA check	GCGATTAAGTTGGTAACGCCAGG
Verify loopout of DCW1-Yiplac211 construct		
1778	DCW1 5' check	ACCTTCCAGGACATATAAT
1779	DCW1 3' check	ACACATATGAACAAAGGTCT
pCU-DCW1 construction		
1629	3ecoYKL046	ccggaattcTCAAAGACTAACCACAGACACATG
1630	5bamYKL046	cgcgggatccATGCTAGTAAATAAAGTGATAGGGT
DCW1 destination vector		
6333	DCW1 promoter - for	atagagctcTTCTTCTCCTTATTGTGCTTTACC
6334	DCW1 promoter - rev	attctagaTTTTATGTGTTTCGTTTTTAAAACAGACTG
Determine position of FLAG insertion.		
2766	DCW1 promoter - for	GATGATCATAGGTACTCTTTGTATAATGGGC
6244	linker 2 - rev	ATTAGTTTAACTAGCTCCTCTGCA
5160	linker 1 - for	CTCCGCTGCTGGTTCTGG
4032	M13F (-21)	GTA AACGACGGCCAGT
5626	Tn7L - rev	GATCTATTTGTTCAGTTTAAAGACTTTATTG
Sir3 entry vector construction		
4470	SIR3b1	ggggacaagttgtacaaaaagcaggctaaaaccATGGCTGAGCTTATAAAAGACCTG
4484	SIR3b2	ggggaccactttgtacaagaagctgggtCTATTCGGTGAGACACGATTGGAT

Sir3 destination vector construction			
	3220	Sir3_IP_SacI_F	gtacctatgagctcGAACGGTGCCAGACACACCAGCCC
	3221	Sir3_IP_XbaI_R	tgaccatatctagaCCTCTTACTTAATCCGAAACCTTC
	3222	Sir3_UTR_XhoI_F	caatgcacactcgagAAAAGCTTTCATCTTCTTTCTTGATTCTCCTC
	3223	Sir3_UTR_KpnI_R	catgaccatggtaccAAGACGGCTCCATCACTAAAGTGC
Determine position of epitope insertions within <i>SIR3</i> using colony PCR and sequencing			
	5160	L1 for	CTCCGCTGCTGGTTCTGG
	5161	L2 rev	CTCCTCCTGCAGCAGATCCT
	5602	SIR3IP_3'for	CTGGGAAGGTTTCGGATTAAGTAAGAGG
	5605	SIR3utr_5'rev	GTATTAGTAGAGGAGAATCAAGAAAAGAAGATGAAAG
	5627	Linker2+myc	GATCCTGCAGAGCCTTCATTGAG
	5738	Bio_L2-rev	GATCCTGCAGAGCCTTCATGCC
	5739	GFP 5' rev	AGGTCAATTTACCGTAAGTAGCATCAC
	5740	GFP 3' for	TTATCCACTCAATCTGCCTTATCCA
	5741	mEOS 5' rev	CGAATACCCTGTTGCCGTAATGGA
	5742	mEOS 3' for	ACCGATGTGACTTCAGA AACTACTTACAAAG

Bases that anneal to the template are shown in capital letters; restriction sites, linkers, and Gateway recombination sites added to the primers are shown in lowercase letters.