

Other primers used in this study (not included in TableS3)

Primer number	Sequence	Restirction enzyme	Description	Purpose
1525	cgggattaattacgccccgcctgcc		Reverse CAT	
1524	ggcagggcggggcgtaattaacaccg		Forward CAT	mutate PacI site in CAT ORF in pLIC_CAT
2156	cccgatataatcatcgctgtagcttatttccg	EcoRV	forward TpPPP1 pNR	
2158	cccggtaccaactactgattcaacgacaatcc	KpnI	reverse TpPPP1 pNR	GFP-tag TpPPP1 and express in Tp
1380	caaaatctgcatggtctagccgactctcttcttctctcgcg caaaaggtaccctacgactgctcccggaactac		forward primer to modify ToxoY50	
1381	ttgtcaagaccgctgacggcatttttctgaaagcaatgctc gtttatagactcactataggcgcaattgg		reverse primer to modify ToxoY50	cosmid recombineering for KO of TgKu80
1410	ccgggacgtctacgggtacc		reverse in cosmid modification cassette	
1408	ccggggacgctcgcagtgcc		reverse downstream of end of TOXOY50 cosmid	
1412	cagggtcagttgaggatgctc		forward in Ku80 first intron	
2305	ggtcgagatggcccgacgg		forward for TgKu80 southern probe	
2306	gcgaatgaggaaagagacacctc		reverse for TgKu80 southern probe	confirm integration for TgKu80 KO
G13_CosMod_F	caggagaaaatgcccgatgcttggggcccgctgttgcga tgccactgaggtaccgctacgacgtcccggactac		forward primer to modify ToxoW30	
G13_CosMod_R	cacgctgccttttattgttttgcattccctctgcaactaca taccatagactcactataggcgcaattgg		reverse primer to modify ToxoW30	
1808	gcaaacgaggggaaatggaagc		reverse downstream to cosmid ToxoW30 to test integration	cosmid recombineering for KO of PPP1
1683	gggagatctggcctctctctctccacc	BglIII	forward to test potential start sites	
1684	gggagatctagatccccttttctgcgcc	BglIII	forward to test potential start sites	
1685	gggagatctatgtcacaccctctgtactctc	BglIII	forward to test potential start sites	
1686	gggagatctagacgggtgaggttcggac	AvrII	forward to test potential start sites	
1687	ggcgctagccatacaaaagttaacgctgagcc	AvrII	reverse to clone with Myc tag	test PPP1 gene model and express ectopic copy
1756	cccctatggtacgcttcaactacagctc	NdeI	reverse to amplify PPP1 Pre-promoter region	
1759	ggcgatagcctatcctgcttctactctgg	NdeI	forward to amplify PPP1 Pre-promoter region	PPP1 promoter replacement
1154	cgcacggcagtcagataacagctgta		reverse in DHFR cassette	
1592	cgcttggcgaatgttcatgac		forward on T7S4 promoter	confirm integration for promoter replacement
2304	cctcgattcctctctccggc		forward for PPP1 southern probe	southern blot probe
1913	gggagatctatggcactccgcatcgggagg	BglIII	forward to test potential start sites	
1914	gggagatctatggcagctctctgtcttgc	BglIII	forward to test potential start sites	
1915	gggagatctatgcttctgtacccgc	BglIII	forward to test potential start sites	
1916	ggcgctaggaagtgtgtgagcgtactgg	AvrII	reverse to clone with Myc tag	test TGME49_039680 gene model and express ectopic copy
2088	gggattaatggtgactccgctcttttctcg	MseI	TGME49_039680_PR_F	
2089	cccattattcattgttccgtttcagaccgtg	MseI	TGME49_039680_PR_R	TGME49_039680 promoter replacement
2293	ggcacacaagaatccggg		reverse to test PR	
2292	ggcagctggagagaaggaggcaagcc		forward to test PR	confirm integration for TGME49_039680 promoter replacement
1382	tactccaatccaattaatgagactatgtaacgcagacg		forward ACP in LIC	
1383	tctccaactccaatttatgcccgtgtagcgtctctgagtc		reverse ACP in LIC	ACP tagging endogenously