

S3 Table.

Komura-Kawa et al.

Purpose	Name of primers	Sequence (5'>3')
Cloning of <i>ouib</i> CDS	CG11762-CDS-Fwd	ATGCTGAACATCGTGTGTAGAGTCTGC
	CG11762-CDS-Rev	TCATGACTTCTGCTTCTTGACATTTTGGA
qRT-PCR primers for amplifying <i>ouib</i>	CG11762-qRT-PCR-Fwd	GAGGCGAACGACCATTGTC
	CG11762-qRT-PCR-Rev	CATACCGCTTTTCGCAGAAGCG
qRT-PCR primers for amplifying <i>E75A</i>	E75A-qPCR-FW	CCGGAATTCAGGAGCCTGGTAGCA
	E75A-qPCR-RV	TGGTGCTGACGGCACTCGATTGTC
Vector construction for CRISPR/Cas9 system	CG11762_CRISPR_oligo1_s	cttcGAGCCTGAATCTCTTCGATT
	CG11762_CRISPR_oligo1_as	aaacAATCGAAGAGATTCAGGCTC
	CG11762_CRISPR_oligo2_s	cttcGTGGATTGACGATGTTCC
	CG11762_CRISPR_oligo2_as	aaacGGAACATCGTCCAAATCCAC
Amplifying the target sites of CRISPR/Cas9 system	CRISPR_11-1_check_F	AAGTTTTAATATTATAAGCAGTATCTGTTTTATCAGACTGCTC
	CRISPR_11-1_check_R	CCCGACGAAGAGTCGTCCTC
	CRISPR_11-2_check_F	ATCACCATACAATTGCCTTTCCATCAGTC
	CRISPR_11-2_check_R	TCTTCAATCAGTACCTGAAAAGTTCTTCAACC
Vector construction to overexpress <i>FLAG-ouib</i>	CG11762_Fwd_for FLAG	gaattcATGGATTACAAGGATGATGATGATAAGATGCTGAACATCGTGTGTAGAGTCTGC
	CG11762_Rev_for FLAG	tctagaTTATGACTTCTGCTTCTTGACATTTTGGAG
Vector construction to overexpress <i>FLAG-M1BP</i>	M1BP-FLAG_F	GAATTCATGGATTACAAGGATGATGATGATAAGATGTGCGAAATCGGCGCTGAAACAC
	M1BP-FLAG_R	TCTAGATTAGATGTGCAGGCTGTCCTCCTC

~1.45 kb <i>spok</i> promoter-GFP construct	1.45spok-p_F	CGGTGGAAGGTCCTGACCTTTA G
	1.45spok-p_R	TTTCAGCCTTAGTAAATAGTTCT CAACATAC
300 b <i>spok</i> promoter-GFP construct	300spok-p_F	TCTTATATACAAAAACCCTTTCC A
	300spok-p_R	ATCTAGACGTACAGATGGGCAG A
Luciferase vector construction	Dm_spok_181-32_ F	gagctcTTTGGTATAGTTATAAGCT TTATTATTTAGGCACCATCTTAA AGTTTTAAG
	Dm_spok_171-32_ F	gagctcTTATAAGCTTTATTATTTA GGCACCATC
	Dm_spok_161-32_ F	gagctcTATTATTTAGGCACCATCT TAAAGTTTTAAG
	Dm_spok_151-32_ F	gagctcGCACCATCTTAAAGTTTTA AGACTAC
	Dm_spok_141-32_ F	gagctcAAAGTTTTAAGACTACAAT AAAATTACTTCTC
	Dm_spok_131-32_ F	gagctcGACTACAATAAAATTACTT CTCTTTTTTATAGAATTTATTTTA AATATGCGTTTGAC
	Dm_spok_331-32_ R	agatctCTTATATACAAAAACCCTT TCCAACAACAATAAAATTTTCAT AGG
Mutated luciferase vector construction	spok_all_ver_F	CTAGGGCGGGCGGGCTGCACCAT CTTAAAGTTTTAAGAC
	spok_all_R	TATAACTATACCAAACAAGGC
	spok_1_F	TTTATTATTTAGGCACCATCTTA AAG
	spok_1_ver_R	TAGTATAACTATACCAAACAAG GC
	spok_2_F	ATTATTTAGGCACCATCTTAAAG
	spok_2_ver_R	CCCGCTTATAACTATACCAAACA AGG
	spok_3_F	ATTAGGCACCATCTTAAAG
	spok_3_ver_R	CCGAAAGCTTATAACTATACCA AACAAG
	spok_4_F	TAGGCACCATCTTAAAGTTTTAA G
	spok_4_ver_R	CCGAATAAAGCTTATAACTATA CCAAACAAG
	spok_5_F	GCACCATCTTAAAGTTTTAAGAC
	spok_5_ver_R	AGCAATAATAAAGCTTATAACT ATACCAAAC

GFP construction	vector	spok_300bp_EcoRI_F	gaattcAATCTAGACGTACAGATGGG
		spok_300bp_XhoI_R	ctcgagCTTATATACAAAACCCTTCCAAC
ABCD assay		spok_WT_s2_5biotin	*TTTGGTATAGTTATAAGCTTTATATTTAGGCACCATCTTAAAGT
		spok_WT_as2	ACTTTAAGATGGTGCCTAAATAATAAAGCTTATAACTATACCAA A
		spok_mutv_s_5bio	*TTTGGTATAGTTATACTAGGGCGGCGGGCTGCACCATCTTAAAGT
		spok_mutv_as	ACTTTAAGATGGTGCAGCCCGCGCCCTAGTATAACTATACCAA A
		M1BP_wt_l_s	*TCGATACTCCGCACCCAGTGTGACCGTCGAGCGCATGGCATAAA
		M1BP_wt_l_as	TTTATGCCATGCGCTCGACGGTCACACTGGGTGCGGAGTATCGA
EMSA		spok_WT_s2	TTTGGTATAGTTATAAGCTTTATTATTTAGGCACCATCTTAAAGT
		spok_WT_as2	ACTTTAAGATGGTGCCTAAATAATAAAGCTTATAACTATACCAA A
		spok_mutv_s	TTTGGTATAGTTATACTAGGGCGGCGGGCTGCACCATCTTAAAGT
		spok_mutv_as	ACTTTAAGATGGTGCAGCCCGCGCCCTAGTATAACTATACCAA A
		M1BP_wt_l_s	TCGATACTCCGCACCCAGTGTGACCGTCGAGCGCATGGCATAAA
		M1BP_wt_l_as	TTTATGCCATGCGCTCGACGGTCACACTGGGTGCGGAGTATCGA