

TABLE S1**Primers used in this study**

Primer	Sequence (5' to 3')	Amplification of
Act-507F	507 CGTTGGTTCGTCCTCCCGTTATCATG 529	cDNA spanning <i>actin</i> intron 4
Act-811R	811 TGGGAGCCTCGGTAAGAAGGACG 789	cDNA spanning <i>actin</i> intron 4
Gfp-t-hph-F1	GGGGCA-3060 GGAGCTGGTGCAGGCGCTGGAGCCAT 3035	<i>gfp-hph</i>
Gfp-t-hph-R1	331 GCCCTTGTTAACTGATATTGAAGGAGCAT 359	<i>gfp-hph</i>
Qjp-298792R	313 CCAGAAGTCAGCGTGGAGCAG 333	cDNA spanning <i>qip</i> introns 1-4
Qjp-297127F	1978 GTTCGCCACCATCAGACAGCTC 1957	cDNA spanning <i>qip</i> introns 1-4
Qjp-299824R	-720 GTGAACTC- <u>TCTAGA</u> -GGGGCACCTGTAGG -693	<i>qip</i> for frameshift construction
Qjp-296819F	2286 GTTTA- <u>GCGGCCGC</u> -CCTTTTCACTGTATACAC 2256	<i>qip</i> for frameshift construction
Qjp-299128R	-24 CTA- <u>ACTAGT</u> -CTATCGCTCGCCACCAT 2	<i>qip</i> for <i>gfp</i> fusion ¹
Qjp-297035F	2070 GTAGTCTCAT- <u>TTAATTAA</u> -CAACTCCCAGTTTTTC 2038	<i>qip</i> for <i>gfp</i> fusion ¹
Qjp-A	793 GATCTGCCGAGGAATGGAAGCAG 815	<i>qip</i> left flank for <i>gfp</i> fusion ²
Qjp-gfp1	CAGCGCCTGCACCAGCTCCTGCCCC- 2052 CAACTCCCAGTTTTTCACACACAGTAGTC 2025	<i>qip</i> left flank for <i>gfp</i> fusion ²
Qjp-gfp2	CTCCTTCAATATCAGTTAACAAGGGC - 2219 CTGGCAATGTTGTAACGCGCATC 2241	<i>qip</i> right flank for <i>gfp</i> fusion ²
Qjp-B	3322 TGTTTCAGTCCGCCTTGTTCGTTGT 3300	<i>qip</i> right flank for <i>gfp</i> fusion ²
Sad1-A	5420 ATACACGCACAAGCGATGGCAAG 5441	<i>sad-1</i> left flank for <i>gfp</i> fusion ²
Sad1-gfp-1	CAGCGCCTGCACCAGCTCCTGCCCC- 6372 AAGCGCCGCCATCTGTGCATAAC 6350	<i>sad-1</i> left flank for <i>gfp</i> fusion ²
Sad1-gfp-2	CTCCTTCAATATCAGTTAACAAGGGC- 6630 CCCCATCCTCATCTTCCATCACC 6652	<i>sad-1</i> right flank for <i>gfp</i> fusion ²
Sad1-B	7923 CACTACCTCGAATCCCCACCAA 7901	<i>sad-1</i> right flank for <i>gfp</i> fusion ²
Sms2-107713F	107713 CTCTTGCCCTCAACCAGTACC- <u>ACTAGT</u> -ATGTCTGCTCCTGG 107752	<i>sms-2</i> for <i>rfp</i> fusion ¹
Sms2-110724R	110724 GCCAAAGCGACCAAG- <u>TCTAGA</u> -CCCACCACATGGTGTGTTGTG 110685	<i>sms-2</i> for <i>rfp</i> fusion ¹

Restriction sites, including *NotI* (GCGGCCGC), *SpeI* (ACTAGT), *PacI* (TTAATTAA), and *XbaI* (TCTAGA) are underlined. Nucleotide positions for *qip* are numbered according to Figure S1. ¹*his-3* integration. ²Native integration.