

Primer name	Primer number	Sequence (5'-3')
Fw-GRX1-roGFP2	1	ctcgttggcatttttcttgatggctcaagagtttgaac
Rv-GRX1-roGFP2	2	agtgagcacaacgggtgattactgtacagctcgtccatg
Fw-GRA8-GRX1-roGFP2	3	ctcgttggcatttttcttgatggcttaccattgcgtgttt cggccacgggttctgtggtcttcgctgtctttggtgtagct cgcgcatggggaaggtggtgtgttc
Fw-GRX1ser23-26	4	ccagcccaccagcccgtacagcag
Rv-GRX1ser23-26	5	atgaacacaaccacctcccagg
Rv-GRA8-GRX1ser23-26	6	atgaacacaaccacctcccat
Fw-pTUB8 sequence	7	cagaagacatccaccaaagc
Rv-pTUB8 sequence	8	gctgcgaaacactcctatttag
Fw-jRCaMP1b	9	actttcgtcgtagtcttaactctactcgtgcatcattgtac
Rv-jRCaMP1b	10	tccaggaccaatgctgcagaacgagcttg
Fw-5'UTR of GRA1	11	tgctcaccatcttgctgatttcttcaaag
Rv-5'UTR of GRA1	12	ccggactacgcgtagttaattcgaaggctgtagtactg
Fw-GFP-T2A-fusion	13	tctgcagcattggctcctggattttctctacac
Rv-GFP-T2A-fusion	14	atcaagcaagatgggtgagcaagggcgag
Fw-HXGPRT cassette	15	caagaatccccactccaagcatgcaggcgcagctggagaatggcca gaggcaggcatc
Rv-HXGPRT cassette	16	caaccggctgcatgcacgacgaagacatgtgcacctaagccgaggaa gatccgatctg
Rv-pSag1::CAS9-U6::sg1/2 CDPK3	17	aacttgacatccccatttac
Fw-pSag1::Cas9-U6::sg1 CDPK3	18	gacgccagcctcgaaaaggggttttagagctagaaatagc
Fw-pSag1::Cas9-U6::sg2 CDPK3	19	tcagtccgtagttgggacaggttttagagctagaaatagc
Fw-sg1CDPK3	20	gtaatacgactcactatagggcgaattgggtaccaagtaagc agaagcacgct
Rv-sg1CDPK3	21	gtaaaagcttatcgataccgtcgacctcgagaattaaccctc actaaagg
Fw-5'HXGPRT cassette at CDPK3 locus	22	ggagtcacgcctgagttga
Rv-5'HXGPRT cassette at CDPK3 locus	23	ggcctacgtgacttctgat
Fw-3'HXGPRT cassette at CDPK3 locus	24	cttcaatgggttggacgcc
Rv-3'HXGPRT cassette at CDPK3 locus	25	gaacaaagggggtcggctcat
Fw-CDPK3 locus absent check	26	gcgcgttctcaggatgttctg
Rv-CDPK3 locus absent check	27	cagtgtatctgcaacaaccaga