

Additional file 2. Oligonucleotides used in vector construction.

Primer	Sequence	Notes
SG311	GAAATATATCAGACGTCTCCCCGGGACC ATGGAAGACGCCAAAAACATAAAGAAAG GCC	<i>FL</i> probe (forward)
SG313	GACCCCATTTGTGAGTACATAAATATATTAT ATAACTCGAGTTACAACCTCGGACTTTCCGC	<i>FL</i> probe (reverse)
SG763	AGCATGTGCATGGCATCCCCTT	Amplifying uniquely identifying regions of vYFP-tdTom cassette (forward)
SG764	TGACCTCCTCGCCCTTGCTCA	Amplifying uniquely identifying regions of vYFP-tdTom cassette (reverse)
SG502	AGTAGCATCACCTTCACCTTCACC	Sequencing from vYFP in dicistronic vYFP-tdTom constructs (reverse)
SG646	CTGCCTTATCCAAAGATCCAAACG	Sequencing from vYFP in dicistronic vYFP-tdTom constructs (forward)
SG702	TAGGTGACACTATAGAATACTCAAGCTTG GCGGCCGCCGAGCTCGAATTCCGGGTTT GT	Tandem <i>attP</i> (forward)
SG703	AGTTAATTCATCAAATAGCATGCCTGCAG GTCGACGCCAGGGTTTTCCAGTCACGA	Tandem <i>attP</i> (reverse)
SG814	GGACATTGTTTAAACGAGCAGG ACGCGT TGAATTGTCCCCACGCCGCGCCC	Recircularization at <i>PmlI/MluI</i> sites (forward)
SG815	CCTGCTCGTTTAAACAATGTCC CACGTG ATGAAAAGGACCCAGGTGGCA	Recircularization at <i>PmlI/MluI</i> sites (reverse)
SG864	GCAGGTCGACGCCAGGGTTT	Confirming pfYC integration at <i>cg6-attB</i> (forward)
SG865	GACGCCGGGCAAGAGCAACT	Confirming pfYC integration at <i>cg6-attB</i> (reverse)
SG928	GGGCGCGGCGTGGGGACAATTCAACGCGT TAATTATTAATATATTAATTATTTAGACTT A	<i>pfcen5-1.5</i> PCR amplification (forward)

SG894	TGCCACCTGGGTCCTTTTCATCACGTG TATGTATAATTAAATTAATATTATAAACA CAC	<i>pfen5-1.5</i> PCR amplification (reverse)
SG369	CCAATGCTTAATCAGTGAGGC	Sequencing primer: yCEN/or <i>pfen5-1.5</i> region
Trx pcDT F	AAATATATACACACACCTAAAACCTTACAA AGTATCCTAGGAAAAATGAACAATGTAAT TT	<i>trxR</i> PCR amplification (forward)
Trx pcDT R	TTTAATCTATTATTAAATAAATTTAATGGG GTACCCGCGGTTATCCACATTTTCCACCCC	<i>trxR</i> PCR amplification (reverse)
AMA1 pcDT F	AAATATATACACACACCTAAAACCTTACAA AGTATCCTAGGAAAAATGAGAAAATTATA CT	<i>amal</i> PCR amplification (forward)
AMA1 pcDT R	TTTAATCTATTATTAAATAAATTTAATGGG GTACCCGCGGTTAATAGTATGGTTTTTCCA	<i>amal</i> PCR amplification (reverse)