

Table S1 List of the molecular constructs generated for this study

Name	R.	Backbone	Plasmid description
pSJ6171	Ampi	pUC57	<i>Col-34p ::GFP ::F2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6172	Ampi	pUC57	<i>Col-34p ::GFP ::T2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6173	Ampi	pUC57	<i>Col-34p ::GFP ::E2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6174	Ampi	pUC57	<i>Col-34p ::GFP ::P2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6175	Ampi	pUC57	<i>Col-34p ::GFP ::P2A* ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6176	Ampi	pUC57	<i>Col-34p ::GFP ::SL2 ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6177	Ampi	pUC57	<i>Myo-3p ::GFP ::F2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6178	Ampi	pUC57	<i>Myo-3p ::GFP ::T2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6179	Ampi	pUC57	<i>Myo-3p ::GFP ::E2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6180	Ampi	pUC57	<i>Myo-3p ::GFP ::P2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6181	Ampi	pUC57	<i>Myo-3p ::GFP ::P*2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6182	Ampi	pUC57	<i>Myo-3p ::GFP ::SL2 ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6183	Ampi	pjet1.2™	<i>F25B3.3p ::GFP :: T2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6187	Ampi	pjet1.2™	<i>Ugt-22p ::GFP :: T2A ::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6188	Ampi	Strataclone™ Kana	<i>His-72p ::GFP :: F2A ::Hist-24 ::mCherry ::his-72 3' UTR</i>
pSJ6184	Ampi	pUC57	<i>Col-34p ::GFP ::F2A ::mCherry ::PH ::T2A ::sem-4a^{HA} ::E2A ::emr-1 ::cerulean::P2A::Hist-24 ::mCherry ::let 858 3' UTR</i>
pSJ6185	ChloR	WRM0622aC02 fosmid	<i>NLS ::mCherry ::T2A ::ceh-6 gene</i>
pSJ6112	Ampi	TOPO pcrII™ Kana	<i>NLS ::FRT ::galK ::FRT ::2xFLAG ::VENUS ::T2A [TOPO pcrII – Invitrogen®]</i>
pSJ6113	Ampi	TOPO pcrII™ Kana	<i>NLS ::GFP(part1) ::FRT ::galK ::FRT ::GFP(part2) ::T2A [TOPO pcrII – Invitrogen®]</i>
pSJ6170	Ampi	TOPO pcrII™ Kana	<i>NLS ::FRT ::galK ::FRT ::mCherry ::T2A [TOPO pcrII – Invitrogen®]</i>
pSJ6186	Ampi	pPD95.75	<i>MCS ::F2A ::T2A ::E2A ::P2A ::U543' UTR</i>