

Developmental stage	bean to 2-folds stage	L1	L4
<b>E2A</b>	95,62%±9,42% (n=186)	99,61%±0,88% (n=251)	100%±0% (n=131)
<b>P2A*</b>	0%±0% (n=327)*	0%±0% (n=200)	0%±0% (n=150)
<b>SL2</b>	97,34%±5,13% (n=177)	100%±0% (n=150)	100%±0% (n=117)

\* note that for ±27,5% of observed cases mCherry is barely visible; however GFP remains strictly restricted to the nucleus meaning that GFP remains fused to HIST-mCherry.

**Figure S3** Quantification of the expected localization pattern (GFP in the whole cell, HISTONE::mCherry in the nucleus) observed for lines expressing *myo-3p::GFP::E2A::Histone::mCherry*, *myo-3p::GFP::P2A\*::Histone::mCherry* or *myo-3p::GFP::SL2::Histone::mCherry* at different developmental stages (see also Fig. 2A); n= total number of cells scored.