



**Figure S4** The expected localization of GFP and mCherry is observed in all cells analyzed in transgenic animals ubiquitously expressing a *his-72p::GFP::F2A::Histone::mCherry* construct. GFP localizes within the whole cell whereas HISTONE::mCherry remains tightly restricted to the nucleus. An L1 worm, vertically oriented and tail at the bottom, is shown.