



**S1 Fig. RFP or RFP-n12 do not alter the nuclear distribution of H3.1.**

Representative images of fluorescent nuclei expressing GFP-H3.1 and detectable or undetectable levels of RFP or RFP-n12, immediately prior to ( $T = 0$ ) or after ( $T = 1$ ) photobleaching, or 200 secs later.