



**Figure S1** Loss of FRK-1 does not significantly affect subcellular localization of APR-1 or SYS-1 in dividing seam cells. APR-1 is normally symmetric in dividing seam cells, while SYS-1 is asymmetric, with higher concentrations in the posterior daughter (A,B). In *frk-1(ok760)* mutants, the SYS-1 asymmetry is unaffected; however, APR-1 becomes slightly asymmetric with higher concentrations in the anterior cytoplasm compared to the posterior daughter (C,D). APR-1 whole cell, nucleus and whole-cell/nucleus ratios in WT versus in *frk-1(ok760)* mutants (E,F). Bar graphs: x-axis: white bar is the anterior nucleus [A], while the filled bars represent the posterior nucleus [P]; y-axis: relative fluorescence units of APR-1::Venus expression.