

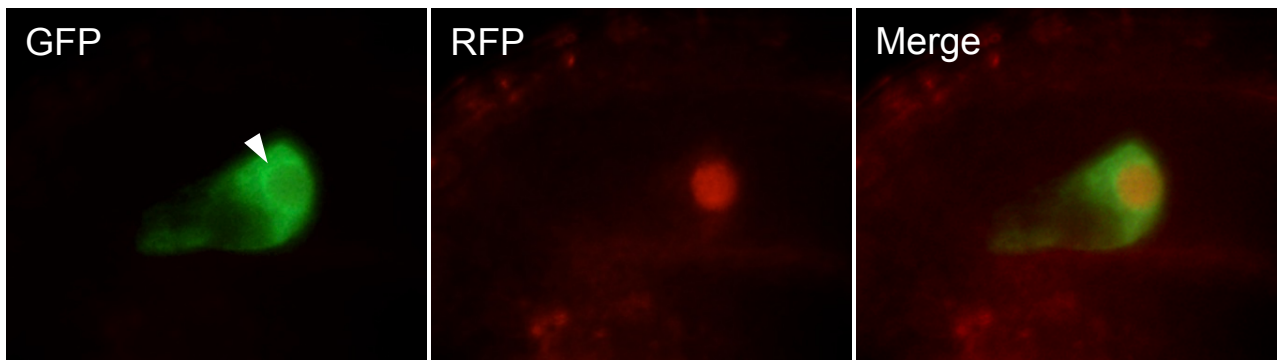


Fig. S1: Double egg cell marker line visualizing cell membrane and nucleus

The double egg cell marker line was obtained by crossing the egg cell membrane marker line expressing *pDD45::sGFP-PIP2a* and the egg cell nucleus marker line expressing *pEC1::H2B-mRFP*, which was a gift from Dr. F. Berger. An intense GFP signal that formed a circle in the egg cell reflects the position of the nucleus (Merge). Images were captured with an epifluorescence microscope.

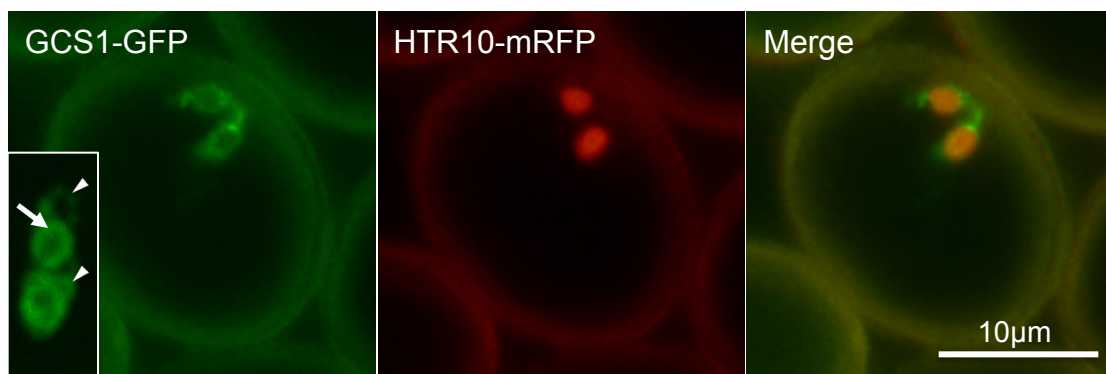


Fig. S2: The sperm cells expressing GPP(GCS1-GFP) and HTR10-mRFP. Visible GFP signals were observed in the perinuclear region (arrow) and tail structure (arrowheads), which corresponded to the internal membrane and plasma membrane, respectively. Images were captured with an epifluorescence microscope.