**Supplementary File 1. Time-lapse movies analyzed for interface division asymmetry**

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| --- | --- | --- | --- | --- | --- |
| Dataset | Gonads with DTC divisions | Scored  DTC divisions | Gonads with interface divisions | Scored interface divisions | Asymmetric interface divisions |
| tubulin::GFP, germ cell histones, mKate::INX-8, DTC membrane marker | 17 | 26 | 19 | 26 | 22 |
| germ cell histones, germ cell membranes, mKate::INX-8, DTC membrane marker | 9 | 6 | 6 | 11 | 9 |
| ARX-2::GFP, germ cell histones, mKate::INX-8 | 3 | 4 | 10 | 12 | 11 |
| GFP::INX-9, germ cell histones, DTC membrane marker | 12 | 19 | 9 | 15 | 14 |
| **Total** | **41** | **55** | **44** | **64** | **56** |