**Additional file 8**. **Correlation between Hoechst and pH3 mitosis counts within the same individual.** For all developmental stages that have both Hoechst and pH3 data, the linear correlation and number of specimens is given.

|  |  |  |
| --- | --- | --- |
| **Developmental stage** | **R2 value for linear correlation between mitosis counts from Hoechst figures versus pH3 staining in the same specimens** | **Number of specimens** |
| 3 En | 0.168 | 24 |
| 4 En | 0.215 | 25 |
| 5 En | 0.656 | 14 |
| 6 En | 0.084 | 44 |
| 7 En | 0.340 | 24 |
| 8 En | 0.063 | 29 |
| 9 En | 0.413 | 44 |
| 10 En | 0.322 | 34 |
| 11 En | 0.429 | 39 |
| 12 En | 0.084 | 17 |