**SUPPLEMENTAL EXPERIMENTAL PROCEDURES (REAGENT LIST)**

**BAC clones used to prepare RNA FISH probes:**

*Adam3* : RP24‑103I8 (CHORI)

*GM773* : RP23‑121P2 (CHORI)

*Magea2/5* : RP23‑169B15 (CHORI)

*Scml2* : RP24-204O18 (CHORI)

*Zfx* : BMQ‑372M23 (Research Genetics).

**Primary antibodies used for cell staging in RNA FISH experiments on spread cells**

Rabbit anti-SYCP3 (1:100, Abcam: ab15093)

Mouse monoclonal anti-γH2AFX (1:100, Upstate: 16–193)

Guinea pig anti-HORMAD2 (1:200, Cloutier et al., 2015a).

**Primary and secondary antibodies used for immunofluorescence experiments on testis sections**

Rabbit anti-MVH, (1:200, Toyooka et al., 2000)

Mouse monoclonal anti-γH2AFX, (1:500, Upstate: 05–636).

Chicken anti-rabbit Alexa 488 (1:500, Molecular Probes)

Chicken anti-mouse Alexa 594 (1:500, Molecular Probes)

**Primers used for quantitative RT‑PCR**

|  |  |  |  |
| --- | --- | --- | --- |
| Gene | Primer ID | Primer sequence | Amplicon  size |
| *Rhox3a* | *Rhox3a* -F | ggagagagtgaccaggctga | 165bp |
| *Rhox3a* -R | ttcattcacacccatccatc |
| *Atp7a* | *Atp7a* -F | tgaccttctggatgttgtgg | 162bp |
| *Atp7a* -R | gatcccatccagggttgtaa |
| *Zfx* | *Zfx* -F | gcacttgccctgaagtcatc | 273bp |
| *Zfx*-R | cagctgcagcatcctcct |
| *Tdrd6* | *Tdrd6*-F | tccaaacagtgggaaaggac | 176bp |
| *Tdrd6*-R | gtagcaccgggcttgttaaa |
| *Piwil2* | *Piwil2*-F | aatggtactcgagggtggtg | 153bp |
| *Piwil2*-R | ggccatcagacactccatct |
| *Mad2l2* | *Mad2l2*-F | attctctatgtgcgcgaggt | 133bp |
| *Mad2l2*-R | gaggtttgacgcagtggagt |
| **-*actin* | *β*-*actin*-F | GGCACCACACCTTCTACAATG | 352bp |
| *β*-*actin*-R | GTGGTGGTGAAGCTGTAGCC |

**Supplemental References**

Toyooka, Y., Tsunekawa, N., Takahashi, Y., Matsui, Y., Satoh, M., and Noce, T. (2000) Expression and intracellular localization of mouse Vasa-homologue protein during germ cell development. Mech Dev *93*, 139-149.