

**Supplementary Table 2. Primary and secondary antibodies used in the study**

| Antibody              |                                                  | Dilution | Catalog number | Company     |
|-----------------------|--------------------------------------------------|----------|----------------|-------------|
| DDX4                  | Rabbit polyclonal to<br>DDX4 / MVH               | 1/2000   | ab13840        | Abcam       |
| SYCP3                 | Rabbit polyclonal to<br>SYCP3                    | 1/1000   | ab15093        | Abcam       |
| PLZF                  | mouse monoclonal<br>IgG1 $\kappa$ PLZF           | 1/1000   | sc-28319       | Santa Cruz  |
| STRA8                 | Rabbit Polyclonal<br>STRA8 antibody              | 1/1000   | ab217380       | Abcam       |
| STAR                  | Rabbit polyclonal to<br>STAR                     | 1/500    | 12225-1-AP     | Proteintech |
| SOX9                  | Rabbit monoclonal to<br>SOX9                     | 1/2000   | ab185966       | Abcam       |
| $\beta$ -Actin        | Anti-beta Actin Rabbit<br>mAb                    | 1/5000   | PTM-5028       | PTM bio     |
| Secondary<br>antibody | Goat Anti-Mouse IgG<br>H&L (Alexa Fluor®<br>488) | 1/2000   | Ab150113       | Abcam       |
| Secondary<br>antibody | Goat Anti-Rabbit IgG<br>H&L(Alexa Fluor®         | 1/2000   | ab6702         | Abcam       |

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