

**Table S4 Antibodies used in this study**

<b>Antibody</b>	<b>Supplier</b>	<b>Catalogue</b>
Rabbit anti-DDX4	Abcam	Ab13840
Mouse anti-DDX4	Abcam	Ab27591
Rabbit anti-BLIMP1	Cell Signaling TECHNOLOGY	#9115
Mouse anti-OCT-4	SantaCruz	SC-5279
Mouse anti-PLZF	SantaCruz	SC-28319
Rabbit anti-PLZF	SantaCruz	SC-22839
Goat anti-AMH	SantaCruz	SC-6886
Mouse anti-3 $\beta$ -HSD	SantaCruz	SC-100466
Rabbit anti-KI67	Abcam	Ab16667
Rabbit anti-SYCP3	Abcam	Ab15093
Mouse anti- $\gamma$ H2AX	Abcam	Ab26350
Mouse anti-MLH1	BD	550838
Rabbit anti-SYCP1	Novus Biologicals	NB300-229
Rabbit anti-PRM1	Atlas antibodies	HPA055150
Rabbit anti-ACROSIN	LSBIO	LS-B10478
Rabbit anti-TFAP2C	SantaCruz	SC-8977
Mouse anti-GATA4	SantaCruz	SC-25310
Mouse anti-CYP17A1	SantaCruz	SC-51244
Mouse anti-AR	SantaCruz	SC-7305
Rabbit anti-ZO1	Thermo	617300
Rabbit anti-SOX9	Millipore	AB5535
Rabbit anti-Lin 28a	Abcam	Ab46020
Peanut agglutinin	VECTOR	RL-1072