

Figure S1

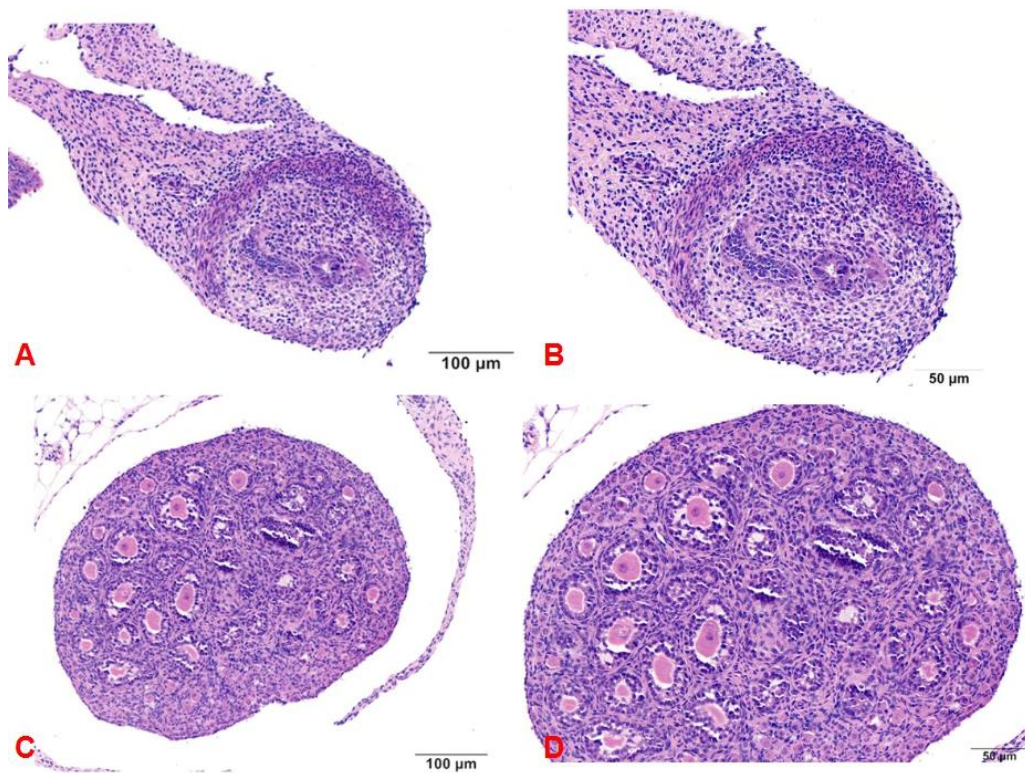


Figure S1: HE staining of female genital ridges at 12.5dpc and ovaries at 7 dpp. (A) 12.5dpc with the magnification of 100x, (B) 12.5dpc with the magnification of 200x, (C) 7dpp with the magnification of 100x, (D) 7 dpp with the magnification of 200x.

Figure S2

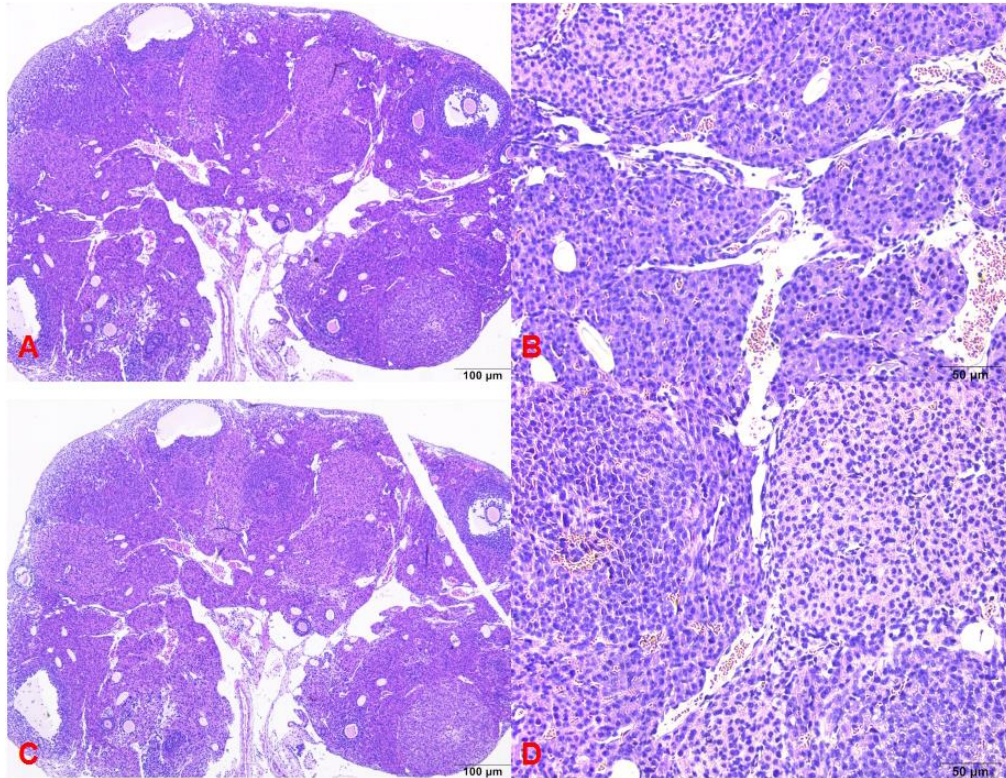


Figure S2: HE staining of ovaries at luteal phase. (A and C) with the magnification of 100x, (B and D) with the magnification of 200x.

Figure S3

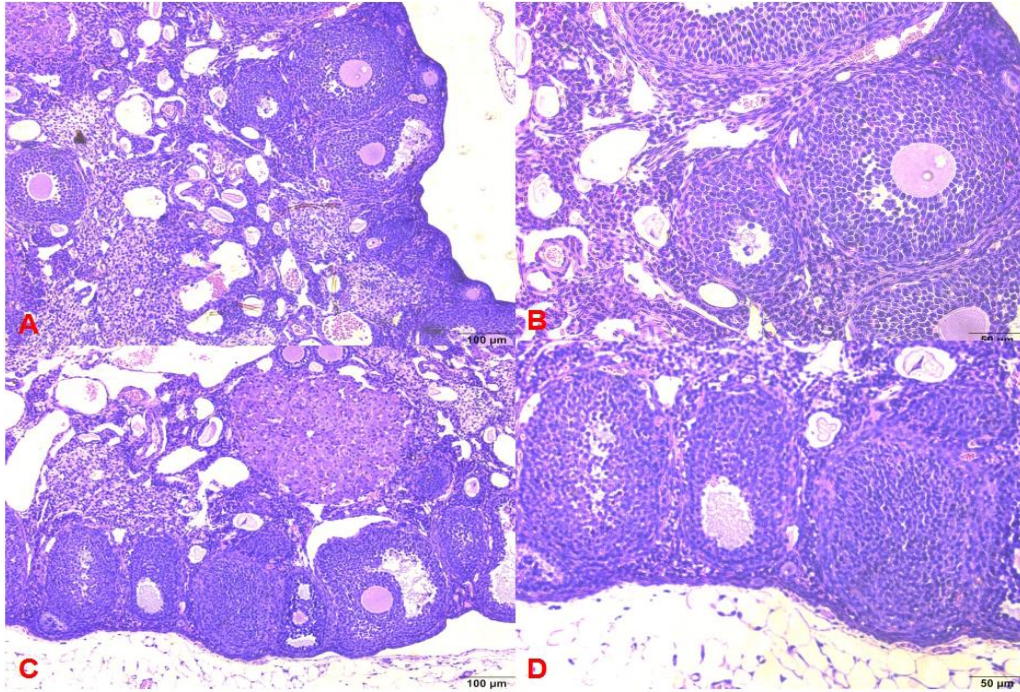


Figure S3: HE staining ovaries at follicular phase. (A and C) with the magnification of 100x, (B and D) with the magnification of 200x.

Figure S4

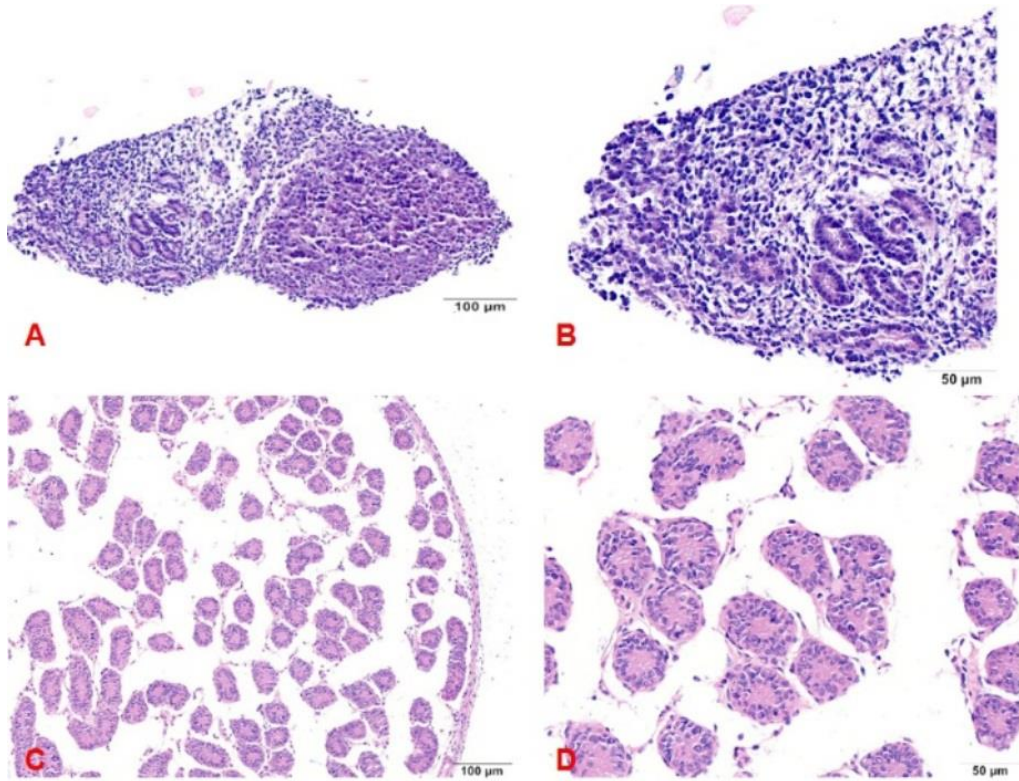


Figure S4: HE staining of male genital ridges at 12.5dpc and testes at 7 dpp. (A) 12.5dpc with the magnification of 100x, (B) 12.5dpc with the magnification of 200x, (C) 7dpp with the magnification of 100x, (D) 7 dpp with the magnification of 200x.

Figure S5

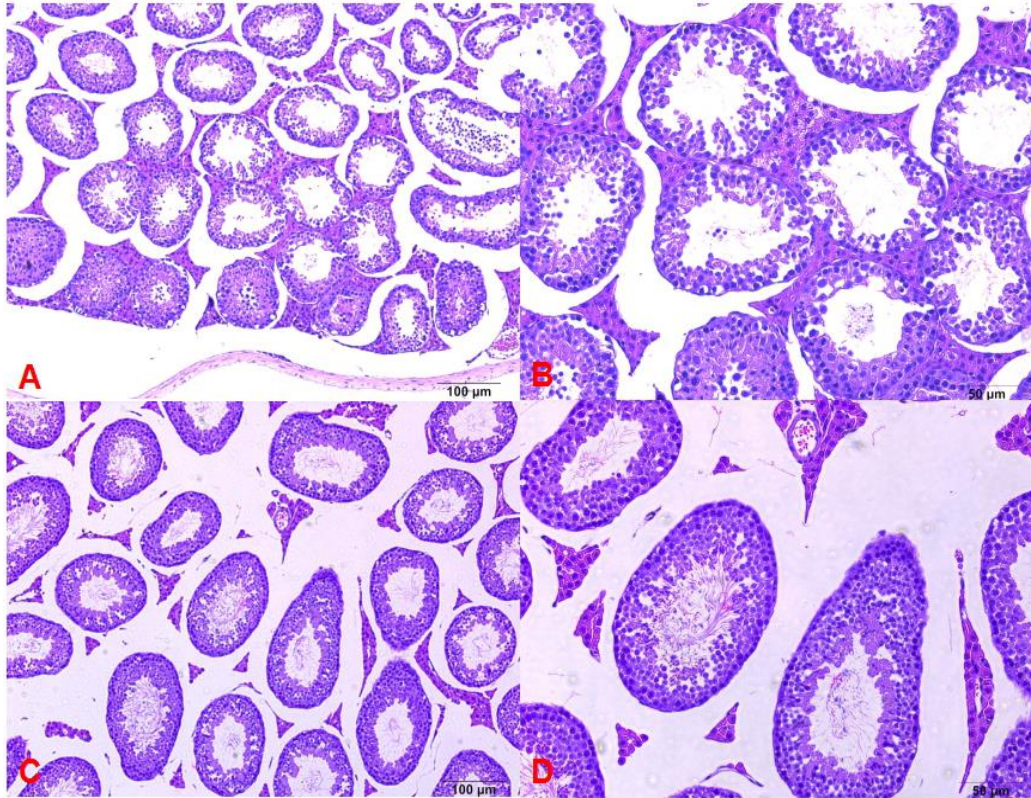


Figure S5: HE staining of adult mouse testes (49 dpp). (A and C) with the magnification of 100x, (B and D) with the magnification of 200x.

Figure S6

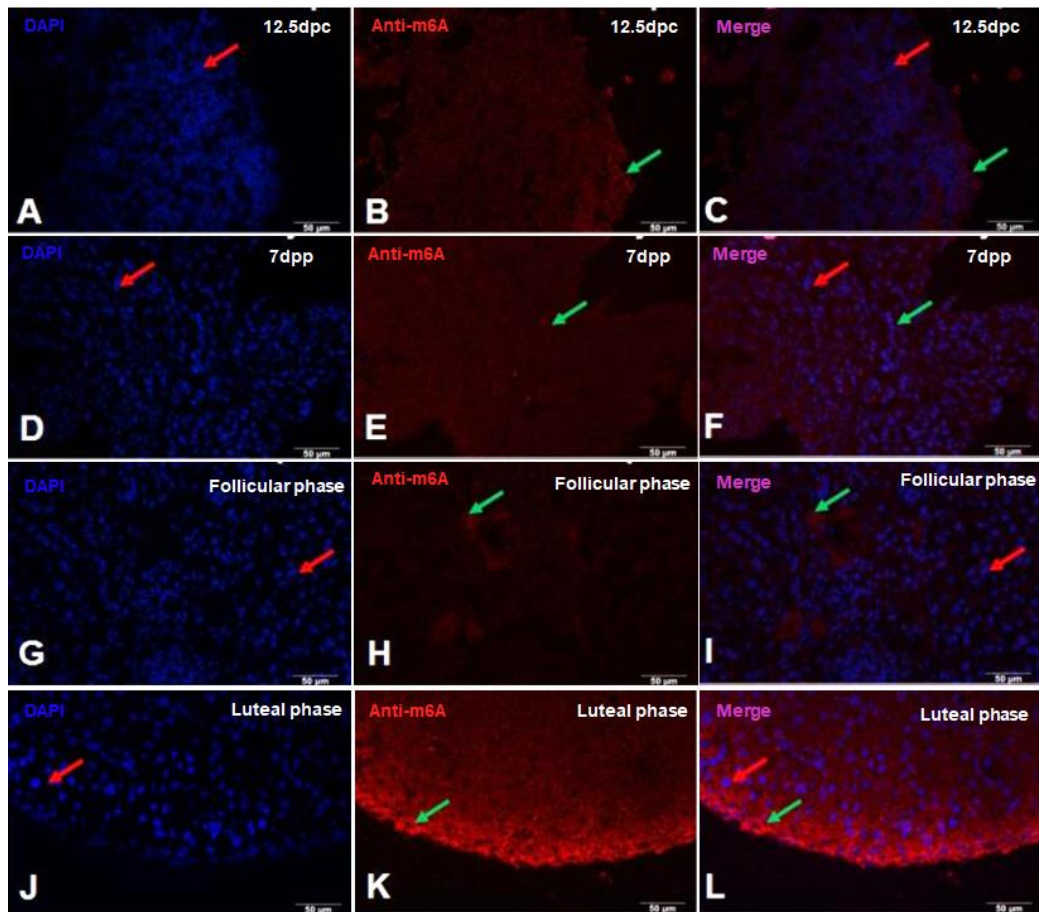


Figure S6: Immunofluorescence patterns of m6A in genital ridge/ovary of female mice at different stages. (A-C) 12.5 dpc. (D-F) 7 dpp. (G-I) Follicular phase. (J-L) Luteal phase. Blue: DNA, Red: m6A. n=12.

Figure S7

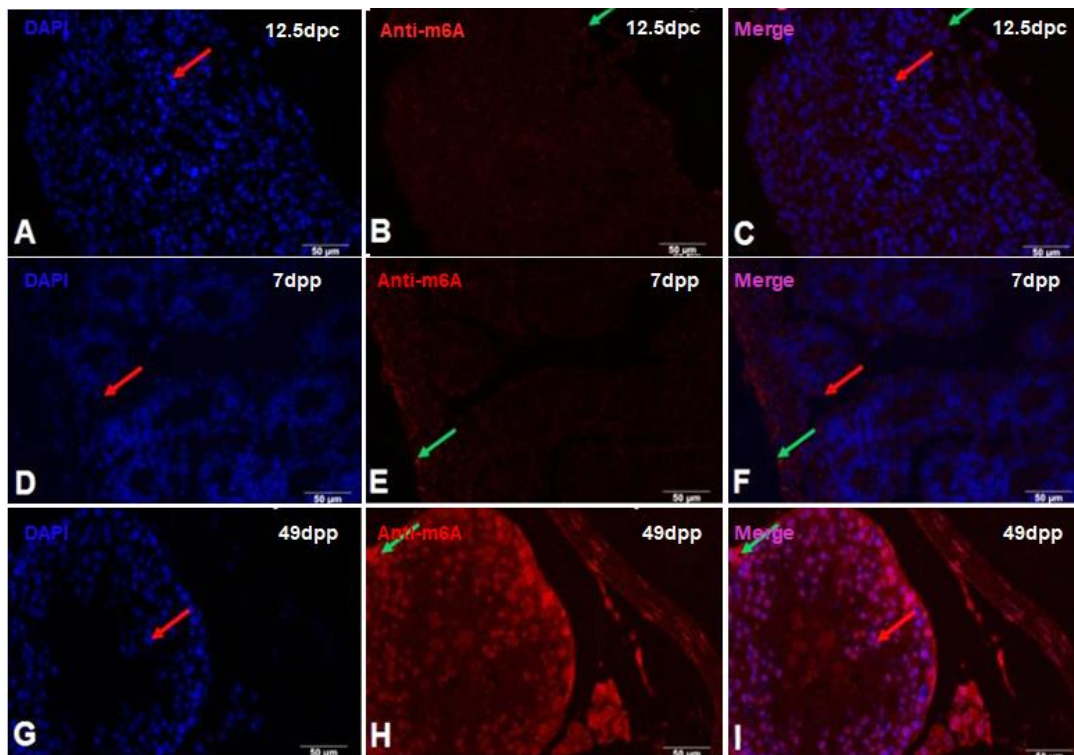


Figure S7: Immunofluorescence patterns of m6A in genital ridge/testis of male mice at different stages.

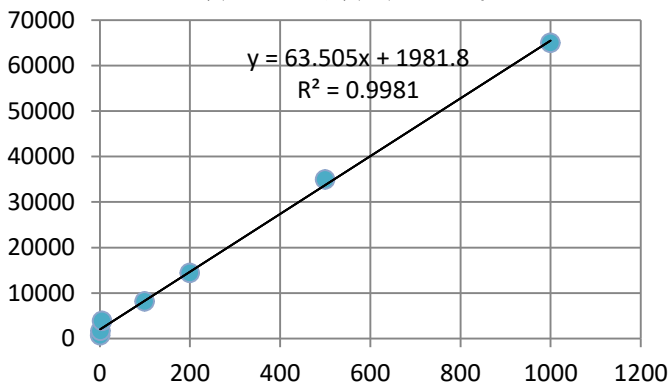
(A-C) 12.5 dpc. (D-F) 7 dpp. (G-I) Adult stage. Blue: DNA, Red: m6A. n=12.

Figure S8

Compound:A			
Sample Name	Std.Conc	RT	Area
A1	1	1.89	680.318
A2	2	1.90	1673.256
A3	5	1.89	3871.571
A4	100	1.89	8156.543
A5	200	1.91	14405.952
A6	500	1.90	34962.227
A7	1000	1.90	64940.777

Compound:m6A			
Sample Name	Std.Conc	RT	Area
1.1	0.01	3.06	0.857
m6A2	0.02	3.07	1.545
m6A3	0.05	3.05	32.678
m6A4	1	3.07	108.547
m6A5	2	3.08	302.008
m6A6	5	3.06	677.543
m6A7	10	3.06	1462.245

标品A的标准曲线



标品B的标准曲线

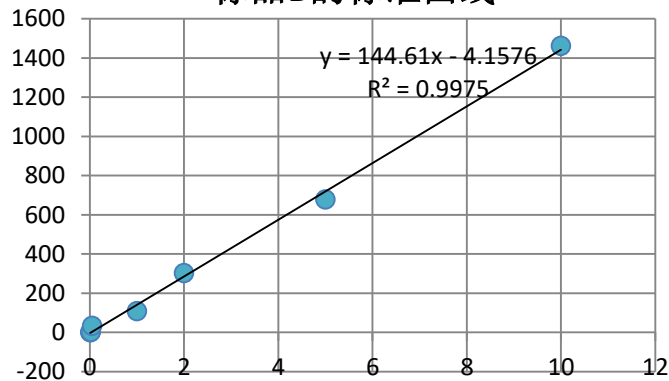


Figure S8: Mass Spectrometry determination and standard curve construction of A and m6A. Std: the Measured Concentration, RT: the Peak Time, Area: the Peak Area, n=6.