

Supplementary Table S1. Sequences of primers for quantitative real-time PCR.

Gene		Sequence(5' - 3')	Amplicon
fsh- β	Forward	CTGTGGCCAGAAACTGCAAG	120
	Reverse	GTCAATGTAGGACGGACGGG	
	Probe	GCAGGAAACACGTACTGCGGGCG	
fsh- β (standard)	Forward	GGGCTGAACAGAAAGTCTGC	228
	Reverse	TCAAGTCATGTGACACAAAGATAA	
lh- β	Forward	GTGATGTTCCCTTGATGTTGAGT	137
	Reverse	CACTTGGACAGCCTCCTTCT	
	Probe	TGCAGCGGCCTTCCAGCTGC	
lh- β (standard)	Forward	TACAGGTGGCAGAGTGATG	218
	Reverse	CTTGATGACAGGGTCCTCG	

Supplementary Table S2. Egg collection in rearing tanks and oocyte stages in females.

Experimental group	n	24h	48h	72h
Control	7	- NI	- NI	- TY-I (6), AO(1)
MW	7	- NI	- NI	+ TY-I (4), OV(3)

-, no eggs in the rearing tank: +, eggs were collected. TY-I, tertiary yolk stage-I: OV, ovulatory egg stage: AO, atretic oocyte stage. () shows the number of individuals in each oocyte stage. NI, no individual sampling.