

Table S1. Sperm motility parameters of Mediterranean trout (N=10) activated in artificial medium (AM)

Sperm traits	(means \pm SD)
MOT (%)	94.41 \pm 2.21
VCL ($\mu\text{m/s}$)	190.97 \pm 20.25
VAP ($\mu\text{m/s}$)	150.20 \pm 15.70
VSL ($\mu\text{m/s}$)	85.89 \pm 18.75
STR (%)	55.39 \pm 8.74
LIN (%)	44.85 \pm 9.81
ALH (μm)	5.19 \pm 1.50
BCF (Hz)	4.21 \pm 1.20
DSM (sec)	40.10 \pm 6.12

Table S2. Seminal plasma and ovarian fluid pH measured for each male and female

ID Male	pH	OF samples	pH
M1	7.53	Native 1	8.24
M2	7.81	Native 2	8.45
M3	8.15	Native 3	8.41
M4	7.94	Native 4	8.43
M5	7.93	Native 5	8.28
M6	8.14	Zootechnical 1	8.59
M7	7.77	Zootechnical 2	8.74
M8	7.83	Zootechnical 3	8.63
M9	7.90	Zootechnical 4	8.22
M10	8.10	Zootechnical 5	8.63