

1 **Table S1.** Gonadosomatic index (GSI), oocyte diameter (OD), eye index (EI) changes in the
2 female Japanese eel after intraperitoneal injections of SPE.

	Stage1 (n=8)	Stage2 (n=13)	Stage3 (n=8)	Stage4 (n=6)	Stage5 (n=6)
GSI Range (mean \pm SEM)	0.1 – 0.6 (0.18 \pm 0.07)	1.4 – 3.0 (1.8 \pm 0.1)	6.4 – 17.3 (12.1 \pm 1.1)	16.3 – 45.2 (24.8 \pm 2.0)	27.6 – 46.2 (40.7 \pm 2.8)
OD Range (mean \pm SEM)	65.7 – 92.5 (78.4 \pm 3.6)	155.5 – 197.1 (174.6 \pm 3.3)	306.7 – 423.0 (357.5 \pm 12.6)	457.0 – 638.7 (522.0 \pm 27.4)	975.8 – 1078.6 (892.2 \pm 83.3)
EI Range (mean \pm SEM)	2.41 – 3.98 (3.04 \pm 0.21)	3.16 – 4.89 (3.85 \pm 0.15)	4.29 – 5.87 (4.99 \pm 0.18)	4.02 – 5.10 (4.73 \pm 0.16)	6.63 – 7.15 (6.21 \pm 0.47)