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SUPPLEMENTARY MATERIAL

corresponding to:

**Visualization of primordial germ cells in the fertilized
pelagic eggs of the barfin flounder *Verasper moseri***

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Suppl. Fig. S1. Stages of normal development in the barfin flounder *Verasper moseri*. The vegetal view of a one-cell stage embryo just after fertilization (**A-a**), the lateral view of an early one-cell stage embryo (**A-b**) and a late one-cell stage embryo (**A-c**). The vegetal views of 2-cell (**B**), 4-cell (**C**), 8-cell (**D**), 16-cell (**E**), 32-cell (**F**), 64-cell (**G**), 128-cell (**H**), early morula (**I**), late morula (**J**), early blastula (**K**), late blastula (**L**), dome (**M-a**, vegetal pole view; **M-b**, lateral view), 30% epiboly (**N-a**, vegetal pole view; **N-b**, lateral view), 50% epiboly (**O**), 70% epiboly (**P**), 90% epiboly (**Q**), 100% epiboly (**R**), 6-dpf (**S**), 7-dpf (**T**), 8-dpf (**U**), 9-dpf (**V**), 10-dpf (**W**), 11-dpf (**X**), and 15-dpf (**Y**). *bd*, blastodisc; *bi*, blood island; *cd*, Cuvierian duct; *bm*, blastomere; *bn*, brain neuromere; *eb*, embryonic body; *ev*, eye vesicle; *sm*, somite; *es*, embryonic shield; *gr*, germ ring; *h*, heart; *kv*, Kupffer's vesicle; *l*, lens; *mp*, micropyle; *ov*, otic vesicle; *pa*, protoplasmic; *pm*, patch of melanophores.

SUPPL. TABLE S1

NORMAL DEVELOPMENTAL STAGING OF THE BARFIN FLOUNDER *VERASPER MOSERI* REARED AT 8°C

Period	Stage	Time	Developmental landmarks	Figure
Zygote period	Fertilization	0h	Micropyle present at the top of the animal pole just after fertilization.	A-a
	1-cell	4h	Protoplasm accumulation and blastodisc form sequentially.	A-b,A-c
Cleavage period	2-cell	6h	First cleavage. Blastomeres form.	B
	4-cell	7.5h	Second cleavage.	C
	8-cell	9h	Third cleavage.	D
	16-cell	10.5h	Fourth cleavage.	E
	32-cell	12.5h	Fifth cleavage.	F
	64-cell	14.5h	Sixth cleavage.	G
Blastula period	128-cell	16.5h	Seventh cleavage.	H
	morula			I,J
	blastula	2 dpf		K,L
	dome		Germ ring visible from animal pole.	M-a,M-b
Epiboly period	30% epiboly	2.5 dpf	Embryonic shield visible from animal pole.	N-a,N-b
	50% epiboly	3 dpf		O
Somitogenesis	70% epiboly	3.5 dpf	The head is recognized anteriorly in the distinct embryonic body.	P
	90% epiboly	4 dpf	A couple of somites visible at this stage. A vacuole (Kupffer's vesicle) appears at the outer side of the caudal end of the body.	Q
	100% epiboly	5 dpf	A vacuole (Kupffer's vesicle) is visible at the underside of the caudal end of the body.	R
		6 dpf	Melanophores appear on the yolk surface and the body. Eye vesicles appear at the head of the body. A Kupffer's vesicle is visible at the underside of the body.	S
		7 dpf	Lense, otic vesicle, brain and heart are discernible.	T
Hatching	8 dpf	Heart beat begins.	U	
	10-11 dpf	Pigmented macules on the dorsal fin.	W,X	
Larvae		15 dpf		Y