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SUPPLEMENTARY MATERIAL

corresponding to:

**Expression of the *wnt* gene complement
in a spiral-cleaving embryo and trochophore larva**

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Supplementary References

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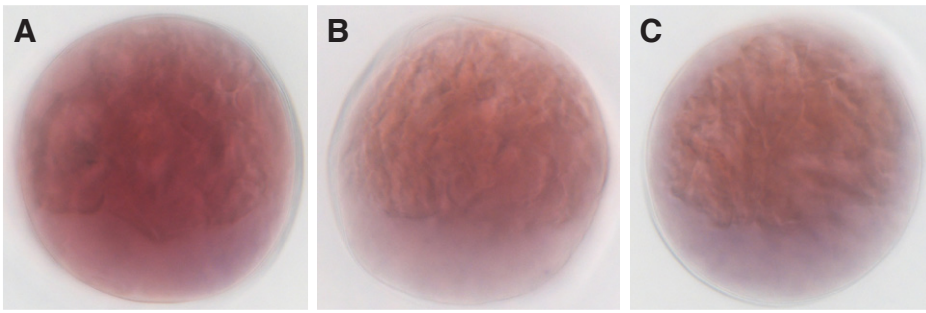
SUPPLEMENTARY TABLE 1

QUANTITATIVE RNA-SEQ DATA FOR EACH OF THE 12 WNT GENES DURING EARLY DEVELOPMENT (2HPF TO 14HPF)

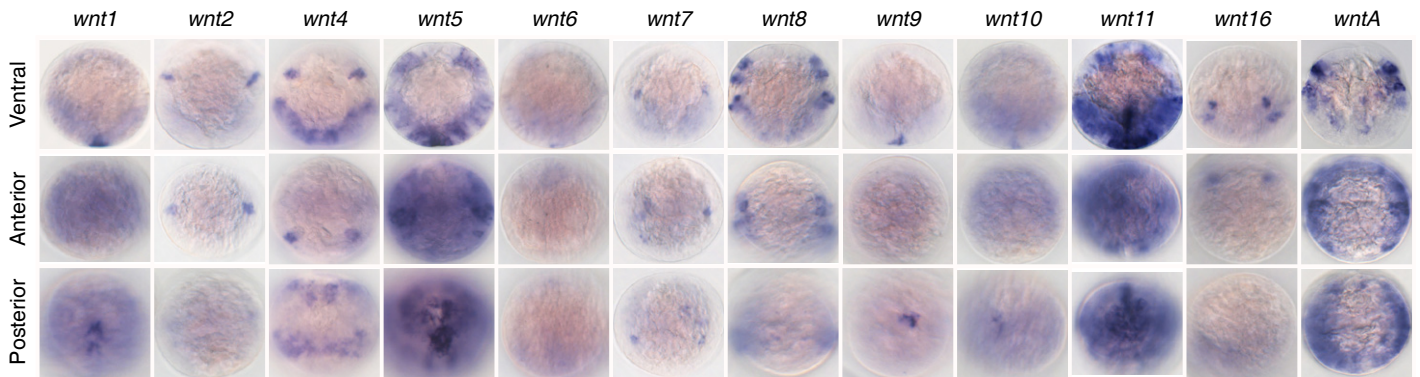
	2hpf			4hpf			6hpf			
	SS021	SS022	SS041f	SS041	SS042f	SS042	SS061f	SS061	SS062f	SS062
pdum_wnt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pdum_wnt2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
pdum_wnt4	0.0	0.0	0.0	0.0	0.1	0.1	1.3	1.3	0.7	0.8
pdum_wnt5a	0.3	0.0	0.1	0.1	0.2	0.2	1.0	0.9	1.0	0.7
pdum_wnt5b	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.1
pdum_wnt6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pdum_wnt7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.4
pdum_wnt8	0.4	0.2	0.4	0.4	0.4	0.6	1.0	0.9	1.2	1.0
pdum_wnt9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
pdum_wnt10	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
pdum_wnt11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pdum_wnt16	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
pdum_wnta	0.1	0.1	0.9	0.9	0.9	0.7	7.8	8.4	5.9	5.5

	8hpf			10hpf		12hpf		14hpf				
	SS081f	SS081	SS082f	SS082	SS101	SS102	SS121	SS122	SS141f	SS141	SS142f	SS142
pdum_wnt1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
pdum_wnt2	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1
pdum_wnt4	2.7	2.7	4.3	4.2	9.1	9.0	4.9	8.0	3.4	3.0	3.2	3.3
pdum_wnt5a	1.4	1.1	0.9	0.9	17.6	11.9	14.5	16.9	9.7	9.5	9.4	10.1
pdum_wnt5b	0.2	0.3	0.2	0.2	1.4	1.7	2.9	3.6	3.7	2.9	3.8	4.9
pdum_wnt6	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
pdum_wnt7	0.2	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
pdum_wnt8	1.0	1.0	0.8	0.8	2.9	4.0	2.3	3.4	2.8	2.0	2.4	2.7
pdum_wnt9	0.1	0.0	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.2
pdum_wnt10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
pdum_wnt11	0.1	0.1	0.2	0.0	0.2	0.1	0.5	1.2	2.3	2.7	1.7	2.6
pdum_wnt16	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.3
pdum_wnta	8.5	8.6	17.2	16.5	7.2	5.6	4.6	6.4	7.8	7.0	6.3	7.0

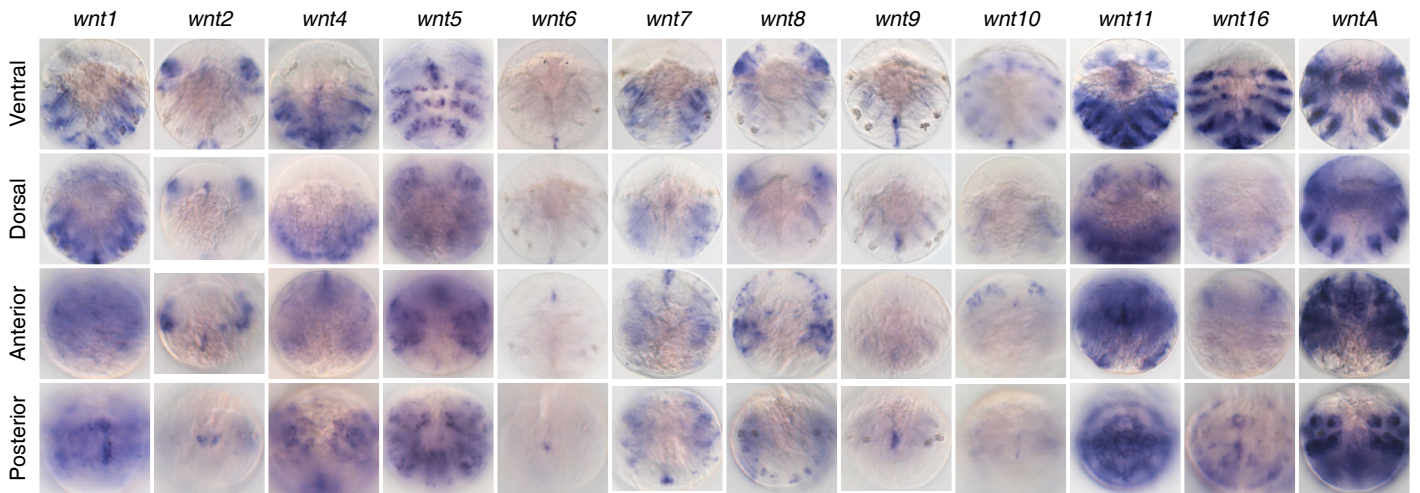
Biological replicates for 2hpf, 4hpf, 6hpf, 8hpf, 10hpf, 12hpf and 14hpf, and technical replicates for 4hpf, 6hpf, 8hpf, and 14hpf are shown (in FPKM).



Supplementary Fig. 1. Spatial gene expression of *wnt8* during early development. *WMISH* of *wnt8* on (A) 8hpf, (B) 10hpf, and (C) 12hpf embryos. There is no expression of *wnt8* at 8 and 10hpf. There is weak expression of *wnt8* at 12hpf, but the levels of expression are just above background. Animal pole views are shown.



Supplementary Fig. 2. The *wnt* gene complement in early trochophore larvae. *WMISH* of all 12 *wnt* ligands at 24hpf. Ventral, anterior and posterior views are shown. In the ventral views, anterior is up. In both the anterior and posterior views, dorsal is up.



Supplementary Fig. 3. The *wnt* gene complement in late trochophore larvae. *WMISH* of all 12 *wnt* ligands at 48hpf. Ventral, dorsal, anterior and posterior views are shown. Anterior is up in the ventral and dorsal views, dorsal is down in anterior views, and dorsal is up in posterior views.

Gene models for wnt ligands in *Platynereis dumerilii* that have been used to calculate relative RNA-Seq expression levels.

Supplementary Data

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