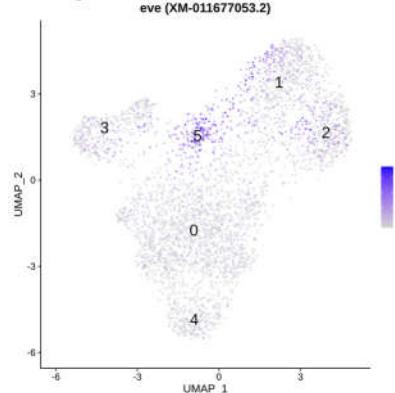


**Figure S1.** Heatmap of top 500 most changed transcripts by fold change. Type column denotes the type of a transcript - gene(grey) or repeat(magenta). Class row denotes the embryo stage.



**Figure S2.** Feature plot of the expression of the eve gene on the morula stage of a sea urchin embryo. Color gradient from grey to blue indicates the scaled expression of the eve.

#### Supplementary table S1

[https://docs.google.com/spreadsheets/d/1OqVv8mfjiAbZYRZKACCh8\\_xOCxLRI GebiuGpfrxeUsw/edit#gid=1851883386](https://docs.google.com/spreadsheets/d/1OqVv8mfjiAbZYRZKACCh8_xOCxLRI GebiuGpfrxeUsw/edit#gid=1851883386)

#### Supplementary table S2

[https://docs.google.com/spreadsheets/d/12LczlFZC09yAFI3s95KgHG8IVI\\_Piw8tMOmmPbf5zhg/edit#gid=0](https://docs.google.com/spreadsheets/d/12LczlFZC09yAFI3s95KgHG8IVI_Piw8tMOmmPbf5zhg/edit#gid=0)

#### Supplementary table S3

<https://docs.google.com/spreadsheets/d/1sGarn5q2rXw5B8YhdboHdRZ6Tu7eHWGhMR8w2HxggQk/edit#gid=0>

#### Supplementary table S4

[https://docs.google.com/spreadsheets/d/1gLaxOW4OXtFQIwbXCXsK\\_ZpUkSFtaeEIEs1CMWiryTI/edit#gid=0](https://docs.google.com/spreadsheets/d/1gLaxOW4OXtFQIwbXCXsK_ZpUkSFtaeEIEs1CMWiryTI/edit#gid=0)