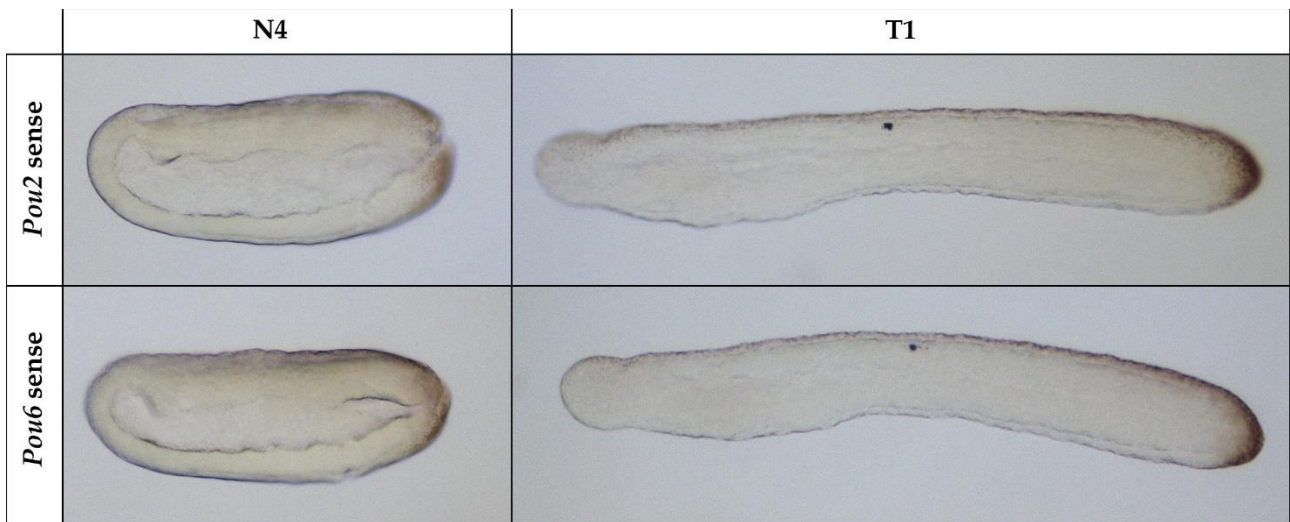


**Table S1. Sequence of the primers used in this study.**

<i>Pit-1</i> forward	5'-GTCCGCACCTGCCTTTCCCCTACC-3'
<i>Pit-1</i> reverse	5'-GCCACGCGCACGATGTCCTGAGA-3'
<i>Pou2</i> forward	5'-CAACGGGTCAGTGAATGGGATAGA-3'
<i>Pou2</i> reverse	5'-CCGCTTGGTGGAGGGATGAC-3'
<i>Pou3l</i> forward	5'-TCACCGCCGCACCTGGAGAA-3'
<i>Pou3l</i> reverse	5'-TGCCGTGCCCCGTTGGTCATC-3'
<i>Brn1/2/4</i> forward	5'-GGTCTTCGCCCCTGCTTAGTAGTC-3'
<i>Brn1/2/4</i> reverse	5'-TCGTTGTTTTGGCCCCTGGTAGTC-3'
<i>Pou4</i> forward	5'-ATGCACCCTCCAATAACTGCCG-3'
<i>Pou4</i> reverse	5'-TTATCTCCCGCCTTGCTGCG-3'
<i>Pou6</i> forward	5'-TCTGAACGCCGTCCACTCTATGAA-3'
<i>Pou6</i> reverse	5'-GTCTGGCGGGCGAAGCGTTTGTG-3'



**Figure S1.** Negative control *in situ* hybridization with sense probes for *Pou2* and *Pou6*. No signal is detected in control embryos after the same experimental protocol that yielded a specific signal with the antisense probes shown in Figures 2 and 4.