

Figure 16. Whole mount *in situ* hybridization analysis of *Xbvcs* expression in *X. laevis* embryos. (A-F) Animal view (A,D), vegetal view (B,E), and lateral view (C,F) of cleavage stage embryos (A-C, 4-cell; D-F, 16-cell). White arrows point to boundary between strong expression in the animal pole and no expression in the vegetal pole. (G-I) *Xbvcs* expression in the surface epithelium of gastrulation stage embryos (G-H) and a more restrictive dorsal expression pattern in neurulation stage (I). Black arrow indicates the vegetal mass yolk plug. (J-K) Negative control sense probe hybridization of cleavage stage (J) and gastrulation stage (K) embryos. (L-P) Lateral view (L,O), dorsal view (M,P), and ventral view (N) of stage 20 (L-N) and stage 25 (O-P) embryos. Note the distinctive *Xbvcs* expression pattern along the dorsal axis and at the head. (Q) *Xbvcs* expression in the heart (white arrow), eye (black arrow), cement gland, and somites of a stage 35 embryo. (R) Negative sense control of a stage 35 embryo.

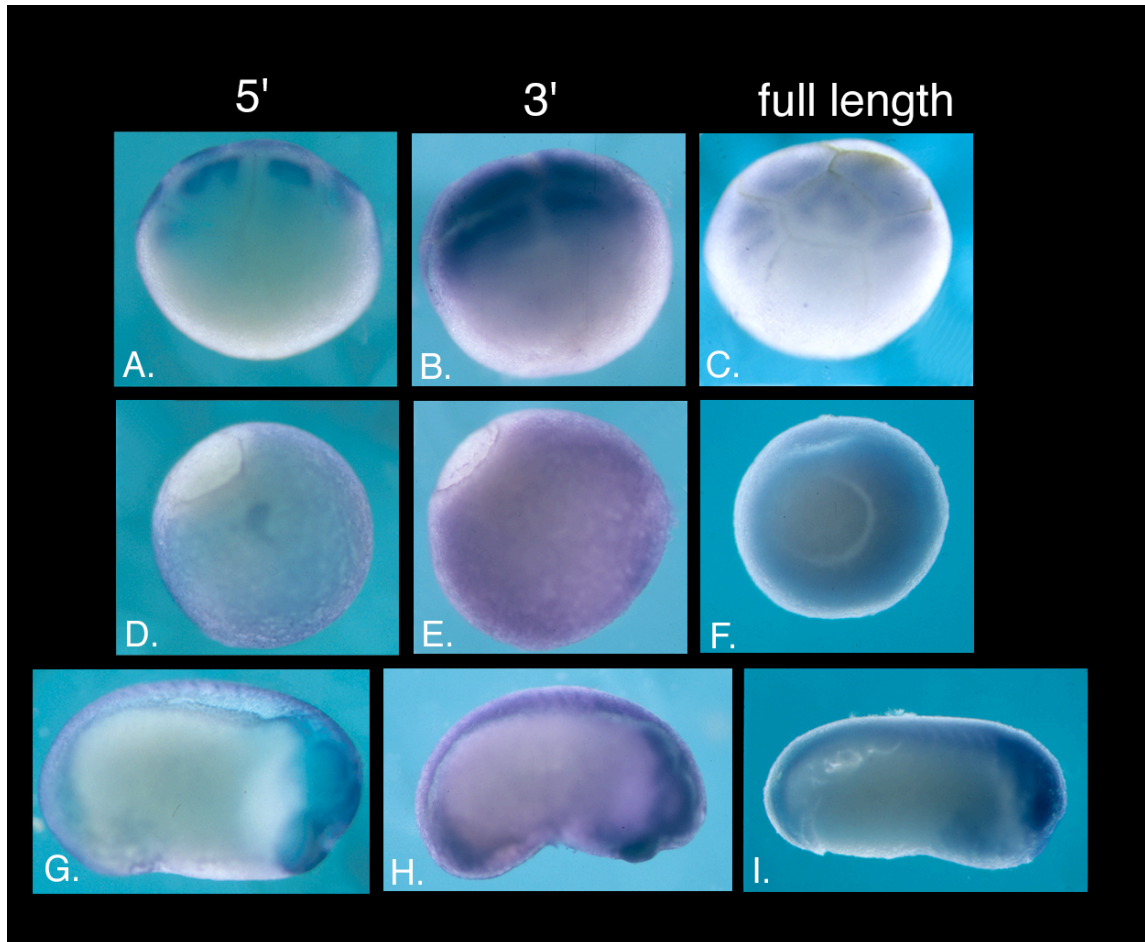


Figure 17. Detection of *Xbves* message using 3 probes spanning different regions of *Xbves* RNA. Whole mount *in situ* hybridization of stage 16 (A-C), stage 11.5 (D-F), and stage 25 (G-I) *X. laevis* embryos using a 5' (A,D,G), 3' (B,E,H), and full length (C, F, I) *X. laevis* probe.