**Supplementary File 1. RNA probe synthesis for *in situ* hybridization.**

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| --- | --- | --- | --- |
| Gene | Restriction  enzyme | Transcription  Enzyme | References |
| *fzd7* (Full-length) | *Hind*III | T3 | This paper |
| *fzd7* (intracellular domain) | *Ava*I | SP6 | This paper |
| *gata5* | *Spe*I | T7 | This paper |
| *myl2* | *Bam*HI | T7 | (Evans et al., 1995) |
| *tnni3* | *Not*I | T7 | (Drysdale et al., 1994) |