**Supplementary file 3. In situ probes**

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| --- | --- | --- | --- | --- |
| **Gene** | **Forward Primer (5’-3’)** | **Reverse Primer (5’-3’)** | **Enzyme for linearization** | **RNA**  **Polymerase** |
| *sox10* | GGAACTGCAGGGAGGAAAAT | AGGCGAGTGTTTCGATGATT | BamHI | T7 |
| *col9a3* | GGTCCAACTGGAATCAGAGG | TAATGGTTCTTGGGGTTGGA | EcoRV | SP6 |
| *lect1* | CCACTGAAGGACAGCAGCTT | AAGGAAATGCATGGCGATTA | EcoRV | Sp6 |
| *epyc* | GACCTCAAGTTGGACCGTGT | CACAAGCAGCGTAGAGTTGG | BamHI | T7 |