

**Table S1. In situ hybridization RNA antisense probes**

RNA Probe Name	Genomic Position	Ref-Seq accession	Size
Sox9	50-797	NM_011448.4	747bp
Scleraxis	Full length	NM_198885.3	964bp
Tenomodulin	654-1299	NM_022322.2	645bp
Gdf5	1-1437	NM_008109.3	1436bp
Tppp3	149-680	NM_026481.3	531bp
Irx1	503-1109	NM_010573.2	606bp