



Fig. S1. Sox2 and Sox3 have no effect on proliferation and apoptosis. (A-H) Immunohistochemistry was performed on transverse sections of wildtype (wt) (A,B), *Sox2^{ΔSox10}* (Sox2Δ) (C,D), *Sox3^{ΔSox10}* (Sox3Δ) (E,F), and *Sox2^{ΔSox10}Sox3^{ΔSox10}* (Sox2ΔSox3Δ) (G,H) SC at 15.5 dpc (A,C,E,G) and 18.5 dpc (B,D,F,H) with antibodies against Ki67. (I-P) TUNEL assay was performed on transverse sections of wildtype (wt) (I,J), *Sox2^{ΔSox10}* (Sox2Δ) (K,L), *Sox3^{ΔSox10}* (Sox3Δ) (M,N), and *Sox2^{ΔSox10}Sox3^{ΔSox10}* (Sox2ΔSox3Δ) (O,P) SC at 15.5 dpc (I,K,M,O) and 18.5 dpc (J,L,N,P).

Table S1. Primers

primer application	primer sequence
generation of luciferase reporter plasmids	
<i>Gm16908</i> promoter (pos. 97697-98154 of AC115691.8)	5'-GCTGAAGAAACGAGCCTGG-3' 5'-GGAAGACACCAGTTGAGTTAAAGCT-3'
<i>Sox2</i> -3'UTR (pos. 1324-2323 of NM_001109181.1)	5'-GGGCCGGACCGCGAACTG-3' 5'-GCACAGTTTGAGATAAATAAA TTTTGAAATATGGACTGA-3'
<i>Sox10</i> -3'UTR (pos. 1983-3029 of NM_019193.2)	5'-AGGGGCCCTGTCACCATT-3' 5'-CAAAGCTTCTGGTTGCCTGC-3'
<i>Sox9</i> -3'UTR (pos. 100969922-100970221 of ENSRNOG00000002607)	5'-GTGCATCCTTGTGGGTCC-3' 5'-TTATTTCACTGCTGTGGTTGG-3'
<i>Myrf</i> -3'UTR (pos. 4823-5129 of NM_001170487.1)	5'-TCACGCTTGCCTTCTGACC-3' 5'-AGGGGGTCGACCTTGGAC-3'
<i>Med12</i> -3'UTR (pos. 7647-8418 of NM_021521.2)	5'-CCTTAGGCCCTCAATCCAAG-3' 5'-GGTCTCAAGCTTTGCCGATA-3'
generation of expression plasmids	
<i>miR145</i> plus flanking regions (pos. 115606-116207 of AC115691.8)	5'-AGGACTGGTCCCAAATGC-3' 5'-CACAGACCCACATCCACAC-3'
qPCR	
<i>Sox9</i> (pos. 993-1193 of XM_001081628.3)	5'-CTCCTCCTCGGGCATGAGT-3' 5'-CTGCTCAGCTCACCGATGT-3'
<i>Rpl8</i> (pos. 307-669 of NM_012053.2)	5' GTTCGTGTACTGCGGCAAGA 3' 5' ACAGGATTCATGGCCACACC 3'
ChIP PCR	
<i>Mbp</i> promoter fragment (chr18:78473074-78473327)	5'-CTCGCACAGGCCACATTC-3' 5'-CTGAAGCTCGTCGGACTCTG-3'
distal <i>Mbp</i> control region (chr18:78469811-78470107)	5'-CAGGGAACTTAAGGAGGAG-3' 5'-GGACATGTGTGTAGTTTCTAG-3'