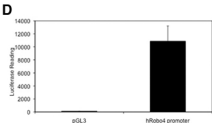
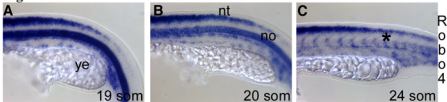
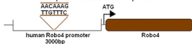


Fig. S1



E (A/T)(A/T)CAA(A/T)G Sox TF DNA Binding Sequence
AACAAAG Sox18 TF DNA Binding Sequence
-1170-1176 bp on Human Robo4 promoter
-1399-1405 bp on Mouse Robo4 promoter



WT hRobo4 Promoter: AACAAAG
Point Mutant 1 (PM1): AATAAAG
Point Mutant 2 (PM2): AACTAAG
Point Mutant 3 (PM3): AACAGAG
Point Mutant 4 (PM4): AATTGAG

Fig. S2

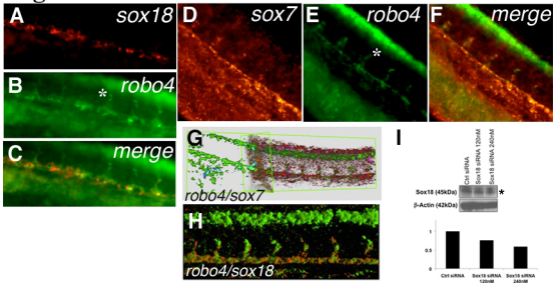


Fig. S3

A

Putative Sox18 binding site (A/T)(A/T)CAA(A/T)G
 AACAAAG
 AACAAAT

Wild Type Probe:

CAG AGA AGC TGG CCA GGA ACA ATT GGG AAC AAA GGC TGG ATA CTC TTC CG

Mutant Probe 1:

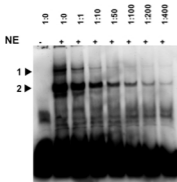
CAÇ AGA AGC TGG CCA GGA ACA ATT GGG AAT TGA GGC TGG ATA CTC TTC CG

Mutant Probe 2:

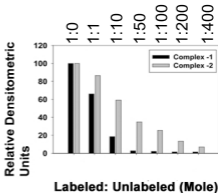
CAÇ AGA AGC TGG CCA GGA ATT GAC GGG AAT TGA GGC TGG ATA CTC TTC CG

B

Ratio of
 Labeled: Unlabeled



C



D

Robo4 and *Robo1* relative mRNA levels after *sox18* and *sox7* double knockdown

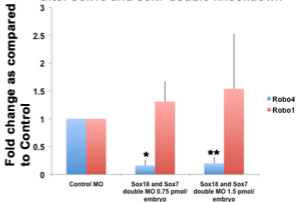
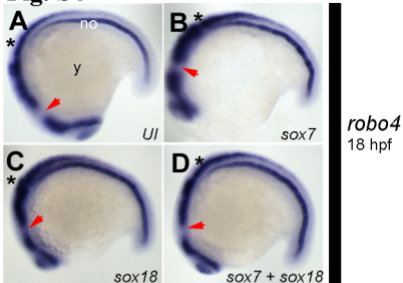
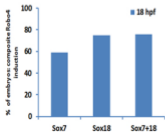


Fig. S4



E



F

