

Figure 6 – figure supplement 4

ETS SOXF FOX FOX:ETS RBPJ MEF2 SMAD4 SMAD1/5 TCF/LEF NR2F2 KLF

ARTERIAL ENHANCERS FROM PREVIOUS PUBLICATIONS

D114-12 core

Conserved to opossum

>ATTGCCTTCTGGGGGGCATTGTGTCTCCCCGGCCCCCTCCCCAGGCTCAATGAGCTGTTTGTGGCATGTCCGGTGAGGGTAAGTGAGGGCG
GGCATGGGGCGACCATACACAATGGGGATTCCGTCATTCTGAGGTGACTGCGGAACCAGGCCGCCTTTGTCTGGGGACCCTTATTCCCA
CATTTAGAGCCGGAACCTCAGGCGGAAGGCCCTGTAGTATAAGAACACAATGTCGTACCCCTGTCTGTAGGGGAG

D114in3 core

Conserved to chicken

>TAGACGTAGGTAATGGTTTTCCTTTTCCTTTTCAAAGTGAGAAATGTTGTGCTGGTGAAATACTCTTTTCCTCTGTGTGAGAACAAATCC
CAAAGCCATTATTCCCCTTTCCAAAGGAGCGGAATTTCGCAAAAGGTGTAAATACAGGAAGAGGCCCGTCAGCGGCGCTGGCAGCCTCGGCCTT
TCTCACCGCGGTGCTCCCCGCGTTCCCAAGCCCAAAAATAACCCGCAAGGAAACGCAATTGTGCTCTGAGTCCAGG

Ecelin1 core

Conserved mouse-human only

>GAGCCACCAGTGAGTGAGACCTGGGTCTCAGGGGATGGTCAGGGAAGACAAGAGGCGAAATAATATCTCCATTTCATGCAGGTCCTCTAGG
GGGAAAAATGTGCCAGGCCCCGTGAATCTGGCTAAACAGGAAGAGAAAGCACAATGAGGGGAAACGGAGGGTGTGGCAGGCCCTTGGGGGAC
GGGACCAGAGGGGACAGGCTTGTAAGCTCAGGACCCAGGTCTGGCTTTACACCCAAAGCCAGCACGGAGAT

Flklin10 core

Conserved to chicken

>GGAGGGAAGCAGCTATTCTGGGAAACAAGTCTCCATTTCATAAATTGGATCGACAAGACAATTCAAGCTCACTTAGTTCAAAGGAAGGTAAGGA
AACTTGGAAAGCCATTGGGGCTTCTTAAAGTCACCTCTCTGGGACGGACCGACTGCGGGCTTTTGTGTTAGGAAATGGCCAGCAGCAGAGGAAG
AAATCGGGTTTGTCTATTTCAAAACAACAACAGGAAGTGAATGCTTGGGGTGGTAGGTGAAGGTGGTGGCTGTGTTTTCCCTAAGGATG
TCTGCACTTGTGGTAGACCTTGATAAGCCTGGGCCTGAGACTCTCGAGGCTGGGGCTAGGTTTATCACTGCCTCGCATCCACGACACTTCCT
CTGAGAGATGGACATTCCCAAGATAAGGAGGAGCAGTGTGGTCTC

Hey1-18 core

Conserved to chicken

>AGGGGAGGTGGAAGTGTGGCGCGGCCGGGGTTCCCAAGCTCCATTATTGTGGCGCACTTTGTTTCCAATTCCCATACGCTGTGCTAATTAGTTG
GAGCTGCTGGCTGCTGGAAAGCGGTGTGGCTTGCCTGAAAGCAAGAAATCGCTTCCTGTTGGGAGTCTGGGCAGGCAGGACTCTAGCTCAGAA
G

Notch1+16 core

Conserved to opossum

>TGCAGGGCTGGCCAGGATTGAAGCCAGTGTCCAGCTTTCCCAAGCTCAAAGAACCATTCCCAAGCAGCTCAGCTCTTTTGTCTTCAATCTTTT
CCCACAGTTGCATCCTTGGGTGGTTTAAAAATACGCTGAAAAAGGAAGCTCAGGAAAGAGCGCAGGCTTCCTGGCCTGGCTCAGGGAAGCCCTTT
GTCTGGGAGACAGTTGAAGTTGGAACCTGCCCTCTAGGGAAGCCACCTTTTCCCACTATAGGGAAAACAATACTCCCCTCCAGG

Sema6d-55 core

Conserved to cow

>TGCACTTCCTACACAGTTCCCATTTCTGAAGAGATGCCATCAAGCCTAGAGGACTTGCTCCATTGAGAGCATTTTGTACGCTGCATCCCTCC
CGATTCTTTTAAACAAGAAATGAAGGACAAGCCAACTGAGCACAAGGTTATCCCTTCAATGCCACAGGGATCTCTCAAGTCAGGCTGTCTCTAA
ATATAATACCCCAATGGATTACTTCCCAAGAGGCTTTTCATAGGATGCTGGCCTCATCATGGCACAAGACTTGTCTGGGCCCACTTCCTGAAG
CAGGAAGGCCGTTCTATTTTGTGTTCTCTCACAAGCAGCAAGGAAGCAAACAATGCTGGAGCAGGAAGCTGAACAGGAATTTGTTGACAAA
AGCAATTTTGTAGATTTAAGGAAGAGGTGCTTGTAAATTTTCCTCTAACAGCTGGCTGA

Sox7+14 core

Conserved to opossum

>ACTCAGGCGGACAGAGAGGAAGGCACAGAGCTCTGCTAATCTGGAGAGAGATTTTCCTCTAGGAGGCCCTTCCTTGGGCAGGGCTCTTTT
GGTGGCGGCCAGGTTGGCTGGCCTGAAGGTGGTGGCCAGGCTCTATAGGAGAGGCTGCCTTATCAGACAGGAAACACTGGGCTCTGGTCACT
TCTTCCCTCTCTGTTCAAGCAGCTCTCAAGGCAGGAAGAGCTCGGCAGCTACTACTCA