

>chr10:34105562-34105595 (col10a1) [34bp]

	GLI	SOX9
	>>>>>>	>>>>>>
Mouse	ACACCCAGAATAAAAAATAGTTTAATACACACAAT	
Human	.....G.....T.A.T.....	
Chimpanzee	.....G.....T.A.T.....	
Cow	..T..T.....T.A.T.....	
Dog	..T..C.....T.A.T.....	
Opossum	.A.T.....T.A.T.....	

>chr2:134007701-134007756 (Bmp2) [56bp]

	GLI	SOX9
	<<<<<<	>>>>>>
Mouse	TGGGTGTTCTGTCACTGTCCACCTAAAATCCAGGGCAGGCTGGAAGTTGCACAAT	
Human	.....T.T.G.C..T.T.A.CC.....T.CT.....	
Chimpanzee	.....T.T.G.C..T.T.A.CC.....T.CT.....	
Cow	.....G.C..TG..CC..ATTCT.....T.....	
Dog	.....G.C..A..C..C.TA.....	

>chr2:134195987-134196052 (Bmp2) [66bp]

	SOX9	GLI
	<<<<<<	>>>>>>
Mouse	ATTGTGCCCTTCTCGGAGTGATATCATCATTACACAT--CTCACTGATAAAAAATAGATGGGTGG	
Human	.....AA..T.....AAA.....T.....T.T.A.CC.....T.....	
Chimpanzee	.....AA..T.....AAA.....T.....T.T.A.CC.....T.....	
Cow	..A..T.....GAAA.....T.....C.T.T.AAC.....T.....T.GCCTT.....	
Dog	.C.....A..T.....AAA.....G.....CG..T.ACC.....T.GC.....	

>chr1:94025250-94025321 (Hdac4) [72bp]

	SOX9	GLI
	>>>>>>	>>>>>>
Mouse	CACAATAAATAAGACACACAATGAGCCCAAGAGACCACATGCAAGTTGGAAA--AGATCAGAATAACACCCA	
Human	.....a.....G..TG..A.A..A.TTA.T.A..T.....T---.CAGA..C.....	
Chimpanzee	.....a.....G..TG..A.A..A.TTA.T.CA..T..T.GAC..CAGA..C.....	
Dog	g....c..ca..G.A--G..TTG.....A....AGTTGGGC.ATCT....T..AC...CT.C.G.G.T.....	

>chr13:83216167-83216275 (Mef2c) [109bp]

	GLI	SOX9
	>>>>>>	>>>>>>
Mouse	CCACCCATTAGCCTCAACTACACACTGATGCTATACTTACACCTACTCGTTATGTATTACTTTTTATATAACTAAGCAGCACCCCTGTCAATAATGAAATATTCAAT	
Human	.....T.....G.....	
Chimpanzee	.....T.....G.....	
Cow	.....T.....G.....	
Dog	.....T.....G.....	
Opossum	..A.....T..GT..--C..T..C.....A.....	

>chr13:83443669-83443711 (Mef2c) [43bp]

	SOX9	GLI
	>>>>>>	<<<<<<<
Mouse	ATTCAATTTGACCATGACCAATAAATTTATGAACTGGGTGT	
Human	.....CA.....	
Chimpanzee	.....CA.....	
Cow	.....CA.....	
Dog	.....CA.....	
Opossum	.....CA.....	

>chr13:83600703-83600742 (Mef2c) [40bp]

	GLI	SOX9
	>>>>>>	>>>>>>
Mouse	CCACCCATACCTAGGACTGGTCCACAGCCAGACCAAT	
Human	.....GC.....	
Chimpanzee	.....GC.....	
Cow	.....G.....GC.....	
Dog	.....GC.....	
Opossum	.....GCA.....TG.....	

>chr13:83667713-83667825 (Mef2c) [113bp]

	SOX9	GLI
	<<<<<<	>>>>>>
Mouse	ATGAATGTTACTTAAACATCATTTTTATGAA--AATATAATACGTGGAGCTTTGTT---AGAGAATAGTTTGTTTTACCT-GTAGCATTTTTAAACTCAAACCTT-CTAAACACCCA	
Human	.....TA.....G..C.TAC..CAG.....G..GTT.T.....G..A..TCAG..AT.A.....G.....A.AA..A.....G.....TCTT.....C.T..C.....	
Chimpanzee	.....G.....C.TAC..CAG.....G..GTT.T.....G..A..TCAG..AT.A.....G.....A.AA..A.....G.....TCTT.....C.T..C.....	
Cow	.....A..TTAC..GG..C..C.TAC..CAA..GGG..GTT.TC..G..A..TCAG..A-A.....G.....A.AA..A.....G.....C.CT.....T..TG..T..	
Dog	.....G.TG..C.G..T..C..TAC..CAA..---.GTTAT...G..A..TCAT...ATCA...G.....TA.AA..A..C..G.....C.T.....C-T..C..T..	
Opossum	.CA.G...GGAAG..TT...CAC..TAC..TAG..C...AGTTCT.GC.G..G..CA---.AT.A.A..A..G.....A.AA..A.....G.....TA..C.....CTT..GCT.T...	

>chr13:83667819-83667904 (Mef2c) [86bp]

	GLI	SOX9
	>>>>>>	>>>>>>
Mouse	ACACCCAAACCCACAGTAATTTCTGCTCTTTTAAAAATGAAGTCTTTTTTACCCTACTGATGCCTCTAGTGTCTCCACAAAT	
Human	.....TTT.....T.....C.....A.....T.....A.....T.....A.....	
Chimpanzee	.....TTT.....T.....C.....A.....T.....A.....T.....A.....	
Cow	G..T.....T.T.....A.....T.....A.....T.....A.....	
Dog	..T..T..T.T.....A.....T.....A.....T.....A.....C..T..A.....	
Opossum	CT.T...GTT.T.TGA.C.....A.....C.....C.....A.....T.....A.....	

>chr13:83804422-83804502 (Mef2c) [81bp]

	GLI	SOX9
	<<<<<<	>>>>>>
Mouse	TGGGTGGCAGAAGCAAAAGACCTTATTAACGAGGCTATATTTTCTTAACTGATGCAATCCAGAATAGACCACAAAT	
Human	.....G.....T.....A.....C.....	
Chimpanzee	.....G.....T.....A.....C.....	
Cow	.....A.....G.....C.....TG.....	
Dog	.....G.....C.....C.....G.....C.....TC.....	
Opossum	.....G..TT...C.C..TG.A..C.....C.....T.....A...TTCC.....TT.T....	

>chr17:44641295-44641391 (Runx2) [97bp]

	GLI	SOX9
	<<<<<<	>>>>>>
Mouse	ACACCCATAGGTACAGAGACTCCATGTGGCTAAATGGAATAGCTTTTGGTGGGAA-AT--ACAAGTGGTTGTACAACCTGTATATTCTTTGCCATGAAT	
Human	.....TT.G.AG.....ATA.....T..AT.....T.....AT.....C--TT.T.G.AGG.A.....A.....G.....	
Chimpanzee	.....TT.G.AG.....ATA.....T..AT.....T.....AT.....C--TT.T.G.AGG.A.....A.....T..C.....G.....	
Cow	.....T.....TT.G.AG.....A---.A..T..AT...GT...AT...ATTTGGGGG.AG..C.....G.....C.....G.....CCC	
Dog	GTC...TT.G.GG...A.A--.A..GC..AT...C...AT...CTTT-T.T.G.AGG.CC...AC..G..A.....C.C..TG....	

>chr13:29027527-29027604 (Sox4) [78bp]

	SOX9	GLI
	<<<<<<	>>>>>>
Mouse	ATTGTGACCGTCAAAATAGGCCCTCTGTGGGGTGT-AT--TCTGCCTTGGATGCAGCACTTCTGACAGGCTCTTCTGGGTGT	
Human	.....A..C.....A.....C..C--.....CA.....T.....T.....T.A..AT.....	
Chimpanzee	.....A..C.....A.....C..C--.....CA.....T.....T.....T.A..AT.....	
Cow	..CAA.T.....G.....CC--.....CA.....GT..T..C..T.A.....A.A...	
Dog	..CA.T..C..G.....C..C--.....CA.....T..T.....T.AA.....	
Opossum	G...CACTA.C.....CT..T.G.AAA..ACC.C..CAC..A..CA...T..T.....TT.C..C.T.....C	

>chr6:143946564-143946639 (Sox5) [76bp]

	GLI		SOX9
	<<<<<<		<<<<<<
Mouse	TGGGTGGTACCTTTTACAATCACCTTAATGGTGGCTCGGTGACAGCGAAACAACCTTCAAGATCGCCTCATGAAT		
Human	.....C.....CT.....A.....T.....		
Chimpanzee	.....C.....CT.....A.....T.....		
Cow	.....C.....CT.....A.....T.....		
Dog	.....C.....CT.....A.....T.....		
Opossum	.....C.....CT.....A.....TA.....G.....A.....T.....		

>chr6:144053027-144053054 (Sox5) [28bp]

	GLI		SOX9
	>>>>>>		<<<<<<
Mouse	ACACCCACACGGAAGAGTCTGCATTGTG		
Human	.....T.....C.....		
Chimpanzee	.....T.....C.....		
Cow	.....TT.....C.....		
Dog	.....T.....C.....		
Opossum	.....T.....T.....C.....T.....		

>chr6:144261597-144261674 (Sox5) [78bp]

	SOX9		GLI
	<<<<<<		>>>>>>
Mouse	ATTGTGACTTCAGACAGTGCCTTCAAGGGTCTCTACTGTACCGAATTGAGGTCAGTCAAGACAATGCCAACACCCA		
Human	.....T.....		
Chimpanzee	.....T.....		
Cow	.....T.....		
Dog	.....T.....		
Opossum	.....T.....T.....		

>chr7:122950543-122950584 (Sox6) [42bp]

	SOX9		GLI
	>>>>>>		>>>>>>
Mouse	CACAATGCCAGGAACCTC-ACAAAGGATTCAGTCCACCA		
Human	.....A.....TCT-.....CA.....		
Chimpanzee	.....A.....TCT-.....CA.....		
Cow	.....A.....A.....CT-.....A.....G.....		
Dog	.....A.TT.....CT-.....G.....		
Opossum	..A.....		

>chr7:122889339-122889361 (Sox6) [23bp]

	GLI		SOX9
	>>>>>>		>>>>>>
Mouse	ACACCCAGGCACTGCTGCACAAT		
Human	.....	
Chimpanzee	.....	
Cow	.....	
Dog	.....	
Opossum	.....G.....		

>chr7:122768535-122768622 (Sox6) [88bp]

	GLI		SOX9
	>>>>>>		>>>>>>
			SOX9
			<<<<<<
Mouse	ACACCAATGACGGGCAAGAATAATGATGAAAAACAAGAGATCTATGTCTATGAAACCGTGTGGACAAAAT-GGGCCATTGTTG		
Human	.....T.....A.....		
Chimpanzee	.....T.....A.....		
Cow	.....T.....A.....		
Dog	.....T.....A.....		
Opossum	.....G.....T.....A.....TA.....G.....		

>chr7:122768535-122768618 (Sox6) [84bp]

	GLI		SOX9
	>>>>>>		>>>>>>
Mouse	ACACCAATGACGGGCAAGAATAATGATGAAAAACAAGAGATCTATGTCTATGAAACCGTGTGGACAAAAT-GGGCCATTG		
Human	.....T.....A.....		
Chimpanzee	.....T.....A.....		
Cow	.....T.....A.....		
Dog	.....T.....A.....		
Opossum	.....G.....T.....A.....TA.....G.....		

>chr7:122688703-122688746 (Sox6) [44bp]

	GLI		SOX9
	<<<<<<		>>>>>>
Mouse	TGGGTGTGGGTGCTC-TTGTGGTTTATATTCTGGTCTCTATTGAT		
Human	.....CA...T.CA...C.....		
Chimpanzee	.....CA...T.CA...C.....T.....		
Cow	.....C.....CA...T.CA...C.....		
Dog	.....ACA...C.CA...C.....		
Opossum	.....T.CA...T.CA...C...CG.....C...CCC...		

>chr7:122512112-122512133 (Sox6) [22bp]

	SOX9		GLI
	<<<<<<		<<<<<<
Mouse	ATTGTGTGTGCTGAGTGGGTG		
Human	.....	
Chimpanzee	.....	
Cow	.....CT.....		
Dog	.....	
Opossum	.....T.....T.....		

>chr7:122445981-122446046 (Sox6) [66bp]

	SOX9		GLI
	>>>>>>		>>>>>>
Mouse	ATTGATGAAAGGCGGCTTGTTCGATAAATAAATAAAGATGCAAACTAAAGTTTAAACACCCA		
Human	.....	
Chimpanzee	.....	
Cow	.....A.....C.....		
Dog	.....ACA...C.CA...C.....		
Opossum	.....G...C.A...CA...C.....AG...G.C.....		

>chr7:122377719-122377830 (Sox6) [112bp]

	GLI		TCF		SOX9
	<<<<<<		>>>>>>		>>>>>>
Mouse	TGGGTGGAAAGGCCAGACAATGGAGCGCTATTTGTGTTGCAACAAGGCCCTCAAGAAAGATTTGATAGTATGGGATGGCCGGTAGGCCGTACAAGAATCTGCACAAT				
Human	.....T.....T.....C.....G.C.T.....GCA.....T.....A.....A.CG..G..TG-.A.....				
Chimpanzee	.....T.....T.....C.....G.C.T.....GCA.....T.....A.....A.CG..G..TG-.A.....				
Cow	.....T.....T.....C.....G.C.T.....GC.....G.....G..G..TG-.A.....				
Dog	.....G.....T.....G.C.C.....GC.....GG.....G.....AG.....G.G..TG-.A.....				
Opossum	.....T...C.....C.....ATCT.A.....C...GCA..G...A.G.C.T.A.G...T...G.A...A.AACACACA.CATGCCTG-.CAT.....				