

**SUPPLEMENTAL MATERIALS**

**Oligos for RT-PCR**

<u>Target</u>	<u>Sequence</u>	<u>Prod. Size</u>	<u>Anneal</u>
<i>Foxfl</i>	5-CCTTCACCAAAACAGTCACAACGG-3 5-TCACCTCACATCACACACGGCTTG-3	207 bp	57°C
<i>Foxll</i>	5-TGCCGCATTCCACAGCATAGTC-3 5-CAAAGTGAGTTCCAGGACAGCCAG-3	128 bp	57°C
<i>Vimentin</i>	5-CTCTGCCTCTGCCAACCTTTTCTTCCC-3 5-CACCTGTCCATCTCTGGTCTCAACCGTC-3	128 bp	60°C
<i>Gli1</i>	5-CGCCAAGCACCAGAATCGG-3 5-CCGAGACACAAGGTCCTTCATCC-3	416 bp	61°C
<i>HPRT</i>	5-AGTCCCAGCGTCGTGATTAGC-3 5-ATAGCCCCCTTGAGCACACAG-3	204 bp	61°C

**Oligos for PCR of Genomic DNA  
(Restriction enzyme sites used for cloning are highlighted)**

<u>Target</u>	<u>Sequence</u>	<u>Prod. Size</u>	<u>Anneal</u>
<i>Foxfl</i> prom	5-CACAGTTACCTCATCGGGCAAGTG-3 5-ATGAAGCACTCGTTGAGCGACAGG-3	4.08 Kb	55°C
<i>Foxll</i> prom	5-CCACTTGGAGAGATGCCCTTTTAG-3 5-AAGCACTCGTTGAGCGACAGGTTG-3	1.64 Kb	60°C
<i>Foxll</i> prom nested	5-CTGACTCCCGGGGACCAGCATGCAGGCTTTAC-3 5-TCACTGCCATGGACAGCAGCCTCTCCGCTCCAC-3	1.2 Kb	60°C
CNS1	5-AAGCCCTTTCAGTGTGGAATCCC-3 5-CCCTGGACATCTCCTTTGGACAAG-3	994 bp	60°C
CNS1 nested	5-TTTTTGCTAGCTCCGATTGTAGGCTGTTTGTAAC-3 5-TTTTTCCCGGGCGACAATCGGCAACCCC-3	180 bp	60°C

**Oligos for EMSA  
(Gli sites are underlined)**

<u>Site</u>	<u>Sequence</u>	<u>Location</u>
<i>Foxfl</i> -46.9 Gli site	5-GGGGCCTCGCTGTGGGTGGTCTGGCGGCGCCC-3 5-GGGCGCCGCCGACCACCCACAGCGAGGCC-3	-46.9 Kb from <i>Foxll</i>
<i>Foxll</i> -186 Gli site	5-GGTGATTCAACTTGGGTGGGCGGACTTATCA-3 5-TGATAAGTCCGCCACCCAAGTTGAATCA-3	-186 bp from <i>Foxll</i>
<i>Foxll</i> -53 Gli site	5-GGTTAATTAATGTGGGTGGGCTGAGAACACA-3 5-TGTGTTCTCAGCCCACCCACATTAATTA-3	-53 bp from <i>Foxll</i>
<i>Ptch1</i> Gli site	5-GGGTTGCCTACCTGGGTGGTCTCTCCACTTT-3 5-AAAGTGGAGAGACCACCCAGGTAGGCAAC-3	~ -900 bp from <i>Ptch1</i>
<i>Ptch1</i> Gli site mut	5-GGGTTGCCTACCTGGGAAGTCTCTCCACTTT-3 5-AAAGTGGAGAGACTTCCCAGGTAGGCAAC-3	~ -900 bp from <i>Ptch1</i>

**Oligos for Site-Directed Mutagenesis  
(Gli site mutations are highlighted)**

<u>Site</u>	<u>Sequence</u>	<u>Anneal</u>	<u>Method</u>
<i>Foxfl</i> -46.9 Gli site (5')	5-CTCTTCGCTATTACGCCAGCCCAAG-3 5-GGGCGCCCGCCGACTGGCCACAGCGAGGCC-3	62°C	Overlap ext. PCR
<i>Foxfl</i> -	5-GGCCTCGCTGTGGCCAGTCGGCGGCGCCC-3	62°C	Overlap ext.

46.9 Gli site (3')	5-AACTAAAGCACCCACTTCTTACGGTTGTG-3		PCR
<i>Foxl1</i> -53 Gli site	5- CAGCAATGAAATTTTAATTAATGTGGCCAGGCTGAGAACACAAGGAC TG-3	55°C	Quickchange
<i>Foxl1</i> -122 Gli site	5- CAGTCCTTGTGTTCTCAGCCTGGCCACATTAATTAATAAATTCATTGCT G-3	55°C	Quickchange
<i>Foxl1</i> -186 Gli site	5-CCCCGAAACCGATTGGTTACCATCAAAAAGACACGTGGAGG-3 5-CCTCCACGTGTCTTTTTGATGGTAACCAATCGGTTTCGGGG-3	55°C	Quickchange
<i>Foxl1</i> -231 Gli site	5-CACAGCTTGATTCAACTTGGCCAGGCGGACTTATCAACAGAC-3 5-GTCTGTTGATAAGTCCGCCTGGCCAAGTTGAATCAAGCTGTG-3	55°C	Quickchange
<i>Foxl1</i> -277 Gli site	5- CAGATCAGTGCGTTTATATATTGCACGCCCGGAAATTTTTCCAAATAA AC-3	55°C	Quickchange
CNS1 Gli site	5- GTTTATTTGGAAAAATTTCCGGGCGTGCAATATATAAACGCACTGATC TG-3	55°C	Quickchange
	5-GTGCTTACAGCGTCAAGGGCCAGACGTGGTATTTCAAACATCAG-3 5-CTGATGTTTGAAATACCACGTCTGGCCCTTGACGCTGTAAGCAC-3	55°C	Quickchange
	5-CTTGAACAAAAATATACAGGGCTGGCTACTTCGCAGGGAAGATGG- 3 5-CCATCTTCCCTGCGAAGTAGCCAGCCCTGTATATTTTTGTTCAAG-3	55°C	Quickchange

**Supplementary Table 1**