Supplemental Table 1. Primer sequences used in qRT-PCR for detection of stem cell markers mRNA expression

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| Genes | Sequences |
| CD133-F | 5′ TTTGTCTTCTATTCTTGGCTTC 3′ |
| CD133-R | 5′ ACCTTGTCATAATCAATTTTGG 3′ |
| CD44-F | 5′ GGTTCATAGAAGGGCACGT 3′ |
| CD44-R | 5′ TGTCTTCGTCTGGGATGG 3′ |
| CD24-F | 5′ TCAAGTATTTGGGAAGTG 3′ |
| CD24-R | 5′ GTGTTCTAAATGTGGCTAT 3′ |
| OCT3/4-F | 5′ CGACCATCTGCCGCTTTGAG 3′ |
| OCT3/4-R | 5′ CCCCCTGTCCCCCATTCCTA 3′ |
| KLF4-F | 5′ TGGGTCTTGAGGAAGTGCTG 3′ |
| KLF4-R | 5′ TGTTTACGGTAGTGCCTGGTC 3′ |
| SOX2-F | 5' CACCTACAGCATGTCCTACTC 3' |
| SOX2-R | 5' CATGCTGTTTCTTACTCTCCTC 3' |
| PRL-1-F | 5′ GGCAAACTTCGAGTCTCCT 3′ |
| PRL-1-R | 5′ CCGGTTGATGAATGGCTAA 3′ |
| MEIS2-F | 5′ GTCCACGAACTGTGCGATAA 3′ |
| MEIS2-R  | 5′ TTCGGAAGGGTACGGATG 3′ |
| AXIN2-F  | 5′ AGCATTTTAATCAACAGCATCTA 3′ |
| AXIN2-R  | 5' TAACTAAGAATGTGATCCAAGAA 3' |
| NANOG-F | 5’ CAACTGGCCGAAGAATAGCA 3 |
| NANOG-R | 5’ GCAGGAGAATTTGGCTGGAA 3’ |
| GAPDH-F | 5' GGAGCGAGATCCCTCCAAAAT 3' |
| GAPDH-R | 5' GGCTGTTGTCATACTTCTCATGG 3' |

Supplemental Table 2. Primer sequences used in PCR for detecting genomic binding sites for stem cell markers

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| Genes  | Sequences |
| CD133-F | 5′ TTTGTCTTCTATTCTTGGCTTC 3′ |
| CD133-R | 5′ ACCTTGTCATAATCAATTTTGG 3′ |
| CD44(1)-F | 5′ CTCATGGCTCAGTCGCCCAATCA 3′ |
| CD44(1)-R | 5′ TTTGCTCCTGAGCTGTTGCGTGG 3′ |
| CD44(2)-F | 5′ AGATTAAGGAGCTAGGACTC 3′ |
| CD44(2)-R | 5′ AAGATCACTTGGCAAGAAAG 3′ |
| CD44(3)-F | 5′ GGCACGTGTGAAACCTTTCCATTC 3′ |
| CD44(3)-R | 5′ GCTGAGCTGGACGCCAAGCA 3′ |
| CD44(4)-F | 5′ GCCTTTCATCCCTCGGGTGTGC 3′ |
| CD44(4)-R | 5′ TTCCTCCCAGGGACCAGGCC 3′ |
| MEIS2(1)-F | 5′ GGATTCCTGGCCAAAGGACGC 3′ |
| MEIS2(1)-R | 5′ CTCCCCCTAAGAGCGGCTCCA 3′ |
| MEIS2(2)-F | 5′ ACTGCCCGCAAGGATTCCACAA 3′ |
| MEIS2(2)-R  | 5′ GGACTGTGGACCAAATCCAGCACAG 3′ |
| AXIN2-F  | 5′ TATTCAAGGCATCTTTTACTGGAC 3′ |
| AXIN2-R  | 5' AGCAAAGAACTAGCCAATAAGGAG 3' |