**Table S7: Primer oligonucleotides for RNA level measurement**

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|  |
|  | 5'-3' Forward Primers Sequences | 5'-3' Reverse Primers Sequences |
|  |  |  |
| Gapdh | TCCCACTCTTCCACCTTCGATGC | GGGTCTGGGATGGAAATTGTGAGG |
| Oct4 | GCAGGAGCACGAGTGGAAAGCAAC | TCCCGACTTCCCTTCACCATAC |
| Nanog | AGGCTTTGGAGACAGTGAGGTGC | TACCCTCAAACTCCTGGTCCTTC |
| Gata4 | CTGTGCCAACTGCCAGACTA | CCTGCTGGCGTCTTAGATTT |
| Fgf4 | CCGGTTCTTCGTGGCTATGAG | TTCTTGGTCCGCCCGTTCTTAC |
| Fgfr2 | AAGGTACGAAACCAGCACTGGAG | TCCATCTCCGTCACATTGAACAG |
| Fgfr3 | GCCTGAACCTAGCCAG | CCTTAGCCCAGACCGTG |
|  |
| Fgf4-region1 | GGATCAACAGGTTCGAGTGC | AGAGCAAATAGGGACGCAACG |
| Fgf4-region2 | CATTTCCGTTGGTGTTCTGA | TGAATGACCCTGTTCTGTGG |
| Wnt3-region1 | CAAAGCTCCAGCTCCCTAAA | CGCGGCCTAAGGTAAGAGAT |
| Wnt3-region2 | CGAAGAACCTTCGTTTGCTC | TGTGGGGGAAATCTCTTGAC |
|  |
| Taqman Gene Expression Assays (Applied Biosystems) |
|  |  |
| Gapdh | ID Mm99999915\_g1 |
| Pbx1 | ID Mm00435507\_m1 |
| Pbx2 | ID Mm00479560\_m1 |
| Pbx3 | ID Mm00479413\_m1 |
|  |
| RealTime ready assays (Roche) |
|  |  |
| Gapdh | ID 307884 |
| Wnt3 | ID 310560 |
| Wnt3a | ID 301106 |
| Wnt4 | ID 310523 |
| Wnt6 | ID 310842 |
| Wnt7a | ID 310511 |
| Wnt7b | ID 310567 |
| Wnt8a | ID 310553 |
| Wnt9a | ID 310600 |
| Wnt9b | ID 310838 |