**Supplementary Table S4.** RT-qPCR primers for selected murine and orthologous human genes.

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| --- | --- | --- | --- | --- |
| **Organism** | **Gene** | **Transcript** | **Forward (5‘-3‘)** | **Reverse (5‘-3‘)** |
| Mouse | *Bmp10* | NM\_009756 | GACTCCTGGATCATCGCTCCTC | CAAGGCCTGAATAATTGCGTGTT |
|  | *Adm* | NM\_009627 | GACGTGAATGTCTCAGCAAGGTG | GGCGATAATCAGGCGCTCTC |
|  | *Ppp1r1b* | NM\_144828 | ATGGACTGGCAGAGGCTGCT | GCTGGAGGACAAGGAGAACCAG |
|  | *Mapk10* | NM\_009158 | TGAAAGGGAGCACACCATCG | CGAGGGCTGGCCTTTGACTA |
|  |  | NM\_001081567.1 |  |  |
|  | *Kcnc4* | NM\_145922 | GCTGTCCTCTTGTGTGTGTGTCTG | TTGGTACTCGAGCACAGCATGA |
|  | *Irx3* | NM\_008393 | CAGATCGCTGTAGTGCCTTGGA | GCGTCCAGATGGTTCTGTGG |
|  | *Pitx2c* | NM\_001042502 | GAGGTGCATACAATCTCCGATA | TGCCGCTTCTTCTTGGAC |
|  | *Scn4b* | NM\_001013390 | CATGGTTTAGTCCTCTGGCTTGG | CACGGCCCACCACTGTATTG |
|  | *Ryr3* | NM\_177652 | TGTGTTCCAGAAGGACAACTCCA | GCAAGTGCAGTGTCATGACGTAAG |
|  | *Gapdh* | NM\_008084.2 | CCAATGTGTCCGTCGTGGAT | TGCCTGCTTCACCACCTTCT |
| Human | *Bmp10* | NM\_014482.1 | AAGCCTATGAATGCCGTGGTG | AGGCCTGGATAATTGCATGCTT |
|  | *Adm* | NM\_001124 | CGTGAATGTCTCAGCGAGGTG | CCTTCTTCCACACAGGAGGTAATCA |
|  | *Ppp1r1b* | NM\_032192.2 | TTCCCTTAATCACCCTTGCTCCT | GCATTCCTGGCATCAAAGCA |
|  |  | NM\_181505.2 |  |  |
|  | *Mapk10* | NM\_002753.3 | TTGCACTCTGACCATGTTGGTG | TCATCAACCATCCACTTCCTGTCT |
|  |  | NM\_138980.2 |  |  |
|  |  | NM\_138981.2 |  |  |
|  |  | NM\_138982.2 |  |  |
|  | *Kcnc4* | NM\_001039574.2 | TGTCTGCATGCCTCCAACTGT | TGCAGGTGCTCACACAGCAG |
|  |  | NM\_004978.4 |  |  |
|  | *Irx3* | NM\_024336.2 | CCGCATTCGCTGTGAGGTT | ACACACACAAAGGCAGACACGTT |
|  | *Pitx2c* | NM\_000325.5 | CACCATCTCCGACACCTCCA | GCCCACGTCCTCATTCTTCC |
|  | *Pitx2* | NM\_153427.1 | GCTTGCGAGCAAGGGAGTGTA | CATTGCATCCACCAGAGAAACTATTC |
|  |  | NM\_153426.1 |  |  |
|  |  | NM\_000325.5 |  |  |
|  | *Scn4b* | NM\_001142348.1 | CCTCTGGCTTGGATGACAACAA | AGAGGCACTCGCACACCTGA |
|  |  | NM\_001142349.1 |  |  |
|  |  | NM\_174934.3 |  |  |
|  | *Ryr3* | NM\_001036.3 | ATTTCTTCCCAGCCGGTGACT | TCCAGAATTGTCGCGCTTCTT |
|  | *Actb* | NM\_001101.3 | TCAAGATCATTGCTCCTCCTGAG | ACATCTGCTGGAAGGTGGACA |