**Table S4: List of quantitative RT-PCR primers for the validation of tissue-specific eRNA expression**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Name** | **Sequence** | **Amplicon (bp)** |
| ***limb enhancer hs1473*** | **hs1473\_F** | CACCCTTCTCTGGCTAAGGA | 102 |
|  | **hs1473\_R** | CCAGGACAACCATGATTCAA |  |
| ***limb enhancer hs1434*** | **hs1434\_F** | CTGCTCAGACACAGGTTTCC | 135 |
|  | **hs1434\_R** | GTGTTTGTTAGTTCTCTGCAAGG |  |
| ***limb enhancer mm429*** | **mm429\_F** | TCACCCAACCTTTCATTTCTC | 86 |
|  | **mm429\_R** | AAAGGGACTCACAGCCCTAA |  |
| ***limb enhancer hs1431*** | **hs1431F** | CCTCACAGAAGCATTTGTCC | 103 |
|  | **hs1431R** | TGCTGTCACGGATACCTCAT |  |
| ***limb enhancer mm466*** | **mm466F** | AGCAGGGCCAATCTGTTTAC | 144 |
|  | **mm466R** | CACATCTGGATGGAGTCAGC |  |
| ***limb enhancer hs1620*** | **hs1620F** | AGGACTTTCAGCCCTCAGAA | 105 |
|  | **hs1620R** | ATGCCTGAAGTGCATGTGTT |  |
| ***limb enhancer mm734*** | **mm734F** | GAGGAAATCAAACCAGCGTT | 130 |
|  | **mm734R** | CCCTCCTTCTGACTCTCAGG |  |
| ***limb enhancer hs1437*** | **hs1437\_F** | GGACAGGTGAGGGCATTT | 96 |
|  | **hs1437\_R** | CATTTACCTCTGCCCATCTG |  |
| ***forebrain enhancer mm505*** | **mm505\_F** | GTCAAGAATGCTTGGAATGC | 114 |
|  | **mm505\_R** | CCCTCTATCCAGTCCCAGAG |  |
| ***forebrain enhancer hs1743*** | **hs1743\_F** | CTTTGTGCAAGCTTTGCTGT | 110 |
|  | **hs1743\_R** | GGCATCAAGACATCCAGAGA |  |
| ***forebrain enhancer hs1325*** | **hs1325\_F** | GGACTGGCAGGGAAAGACTA | 120 |
|  | **hs1325\_R** | ACAGCAACCCAAACAAGGTT |  |
| ***forebrain enhancer mm745*** | **mm745\_F** | AGGAGAATAAAGCCCTTCCC | 108 |
|  | **mm745\_R** | TGGCTAGACAGACACCAAGC |  |
| ***forebrain enhancer mm13*** | **mm13\_F** | CGCAAACACTATGTCATTCCA | 131 |
|  | **mm13\_R** | ACAAGGCCGTTGCACTTAC |  |
| ***forebrain enhancer mm569*** | **mm569\_F** | GAGATTTAGCGCATGACGAA | 129 |
|  | **mm569\_R** | ATCCTACTCCGGGTCCTCTT |  |
| ***forebrain enhancer hs1302*** | **hs1302\_F** | TGATATGAGGTGGTGGGAAA | 108 |
|  | **hs1302\_R** | CCATCAATTGCTGTGGTCAT |  |
| ***heart TSTR 33*** | **heart\_33\_F** | GGGCAGTGATCCTGCTATTT | 107 |
|  | **heart\_33\_R** | GTTCCACAAAGCAAGCAGAA |  |
| ***heart TSTR 361*** | **heart\_361\_F** | ACTTCCTCTCCCGGGTATTT | 148 |
|  | **heart\_361\_R** | GCTGGCTGTCAGAGATTCAA |  |
| ***heart TSTR 440*** | **heart\_440\_F** | CGACATCATGCTGAAGGAAT | 133 |
|  | **heart\_440\_R** | CTTTACAAGTGGTGACAGCAAA |  |
| ***heart TSTR 659*** | **heart\_659\_F** | TGGCTTCTGACATCTCCAAC | 142 |
|  | **heart\_659\_R** | TGAAGATGACCATGGAAGGA |  |
| ***heart TSTR 1123*** | **heart\_1123\_F** | TTGCAATGGCAACTGAAAGT | 118 |
|  | **heart\_1123\_R** | CCCATTGTTCACATGAGGAG |  |
| ***heart TSTR 1138*** | **heart\_1138\_F** | GGGAACATGTGGCTGTAGTG | 140 |
|  | **heart\_1138\_R** | CACATACGGGTGACTCCAAG |  |
| ***heart TSTR 1351*** | **heart\_1351\_F** | CCTGGTTGAAGTCCATTCCT | 113 |
|  | **heart\_1351\_R** | TGCTCCCTGTTTAATCCCTT |  |
| ***heart TSTR 1354*** | **heart\_1354\_F** | TTATCATGGCAGCAGAAAGG | 148 |
|  | **heart\_1354\_R** | TGACAACAAGAGGGCTTGAG |  |
| ***heart TSTR 1648*** | **heart\_1648\_F** | GCTATCACTTTGCCCACAGA | 135 |
|  | **heart\_1648\_R** | CAGGAAACAAGACCAAGCAA |  |
| ***heart TSTR 1676*** | **heart\_1676\_F** | TTTCGTGAATTCTTCAAACCA | 149 |
|  | **heart\_1676\_R** | CAGAGACAACCAAGTTGCTGA |  |
| ***heart TSTR 2189*** | **heart\_2189\_F** | GGGTGCTCAGGGTGTTAGTT | 136 |
|  | **heart\_2189\_R** | TCCTAAACCAGGTGAATCCC |  |
| ***heart TSTR 2241*** | **heart\_2241\_F** | GGCGCTAACAAAGACTTCCT | 150 |
|  | **heart\_2241\_R** | TTGTCAGCAGTGTTTCAGCA |  |
| ***limb TSTR 208*** | **limb\_208\_F** | AGAGGCAAGGCATCTCTCAT | 149 |
|  | **limb\_208\_R** | TTAGCAGATTTGCTGATGGG |  |
| ***limb TSTR 361*** | **limb\_361\_F** | ACTTCAAGTCTGCTGGCCTT | 118 |
|  | **limb\_361\_R** | TCCCTGTGATCAATGCAAAT |  |
| ***limb TSTR 365*** | **limb\_365\_F** | GATGTCCCAGTGCGTAAATG | 147 |
|  | **limb\_365\_R** | GCCTGGTATGAGATGTGTGC |  |
| ***limb TSTR 366*** | **limb\_366\_F** | GATCACCCTTCAAAGGCACT | 109 |
|  | **limb\_366\_R** | TGCCATCCAGAACTCATCAT |  |
| ***limb TSTR 678*** | **limb\_678\_F** | ACAAGAGAAGGCAGGAGGAA | 146 |
|  | **limb\_678\_R** | CAGGGTGGCTTTCTGTCTCT |  |
| ***limb TSTR 1001*** | **limb\_1001\_F** | CCTGCCCATATTGCTTACTTC | 112 |
|  | **limb\_1001\_R** | GACGCGTGTTCTTCTCAGC |  |
| ***limb TSTR 1180*** | **limb\_1180\_F** | TTAGACCAGGACACCCAACA | 133 |
|  | **limb\_1180\_R** | CTCCCACTGACATCATTGCT |  |
| ***limb TSTR 1238*** | **limb\_1238\_F** | AGCATCAGCCAATCATTCAC | 129 |
|  | **limb\_1238\_R** | GCTTGTGCAGAAGGAATCAA |  |
| ***limb TSTR 1255*** | **limb\_1255\_F** | ACGCTTCTGGCAATGTGTAG | 144 |
|  | **limb\_1255\_R** | GCCTTGAGCACAAGATGAAG |  |
| ***limb TSTR 2460*** | **limb\_2460\_F** | GCTGGACTCAGAGGACTTGG | 143 |
|  | **limb\_2460\_R** | TCTAATGCTGACCGTTTCTCA |  |