**Supplementary File**

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| Sequence-based reagent |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTGGCTCCAGAAAATTCAGAA-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-ACAATGGTGATATTGTTGACTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGATAGAACCCCAGTGGCAGTG-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-CGTCGGACCGAGCCGCACATTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGACAGAATCCCCATCTTGCTG-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-AATGCTGGGGACCAGGATGTTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTTTGAGTTTGGCCTGTTTGT-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-ACTGTGGACAAGCTGATCTCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTCACATTGCTTACAGGGCTG-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-GGCCATATAGCGGGCATTGCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTCTCACAGTCTCAGGTGGGT-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-GCAGGAGATAGTAAAAAATCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTGTCCTGTTTCTGAGGTGGT-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-AGACAGAGGCGGGGTCTCCCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTGTTTCTGTGCCCAATATCC-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-AGGGCGGTGAAGATGTAGCCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTAAGCTCCAAGGTGCCTCTC-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-CAGGGGGCTCACGGAGCATCTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Ror2* (fwd): 5’-AGGTCAGGAATACTTAGCTATTGATGGTCCCAAGTGTTCAGAAGCAA-3’ |
| PLISH primer: *Mus musculus Ror2* (rev): 5’-CTCTCTTTAATACAAGGCACTTCTGTGTAGACGACTATAGCCAGGTT-3’ |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGAAGCCTTGGGGGACAATCCA-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-TCAAGCGAAGCGTCGGGGTTTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGTCCCGGGCTTAATATTCCAA-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-CCAGCGGTCCCCAAAGCCACTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGAGGAAGAACTTGGAAGACAT-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-AAAACGTGGCCAAAGCCATTTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGATAACAACCTGGGCGAAGGA-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-ACCACCAAGAATTAGCTTCTTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGTGCCTATTTGCATCACCCTG-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-CGTGAAGGCCGTCTCTCGGCTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGTCTAGCGTCCACGAACTCCT-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-GCGTGGATTCGTTCCCTTTCTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGACTGTCCTACGGCCTGCTTC-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-CTACATCTGCCAGGTTGTATTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGTAATTTCTGGGGACCTCCCT-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-GTAGGAAACTTCAAGTTTTCTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| PLISH primer: *Mus musculus Wnt5a* (fwd): 5'-AGGTCAGGAATACTTAGCTATTGATGGATGTGGTGAGCTGGTTTGCT-3' |
| PLISH primer: *Mus musculus Wnt5a* (rev): 5'-ATTGTTTAAACTAGCTATCTTTCTGTGTAGACGACTATAGCCAGGTT-3' |
| qPCR primer: *Mus musculus Acta2* (fwd):5’-ATGCAGAAGGAGATCACAGC-3’ |
| qPCR primer: *Mus musculus Acta2* (rev):5’-GAAGGTAGACAGCGAAGCC-3’ |
| qPCR primer: *Mus musculus Eln*(fwd):5’-GCCAAAGCTGCCAAATACG-3’ |
| qPCR primer: *Mus musculus Eln*(rev):5’-CTCCAGCTCCAACACCATAG-3’ |
| qPCR primer: *Mus musculus Pdgfrα* (fwd): 5’-CTGGCTCGAAGTCAGATCCACA-3’ |
| qPCR primer: *Mus musculus Pdgfrα* (rev): 5’-GACTTGTCTCCAAGGCATCCTC-3’ |
| qPCR primer: *Mus musculus Pdgfrα* (fwd): 5’-TGCAGTTGCCTTACGACTCCAGAT-3’ |
| qPCR primer: *Mus musculus Pdgfrα* (rev):5’-AGCCACCTTCATTACAGGTTGGGA-3’ |
| qPCR primer: *Mus musculus Gapdh* (fwd):5’-AGGTTGTCTCCTGCGACTTCA-3’ |
| qPCR primer: *Mus musculus Gapdh* (rev):5’-CCAGGAAATGAGCTTGACAAAGTT-3’ |
| qPCR primer: *Homosapiens VANGL1* (fwd):5’-TGAAGAGGCCGAACATGAAC-3’ |
| qPCR primer: *Homo sapiens VANGL1* (rev):5’-AGACGCTGAATGTGGATGAAG-3’ |
| qPCR primer: *Homo sapiens VANGL2* (fwd):5’-CTCAGTTCACGCTCAAGGTC-3’ |
| qPCR primer: *Homo sapiens VANGL2* (rev):5’-GTAATACTTCTCCAGGATCCACAC-3’ |
| qPCR primer: *Homo sapiens WNT5A* (fwd):5’-AGTTCTTCCTAGTGGCTTTGG-3’ |
| qPCR primer: *Homo sapiens WNT5A* (rev):5’-TCTGACATCTGAACAGGGTTATTC-3’ |
| qPCR primer: *Homo sapiens GAPDH* (fwd):5’-CTGACTTCAACAGCGACACC-3’ |
| qPCR primer: *Homo sapiens GAPDH* (rev):5’-TAGCCAAATTCGTTGTCATACC-3’ |
| qPCR primer: *Homo sapiens ACTB* (fwd):5’-GGATGCAGAAGGAGATCACTG-3’ |
| qPCR primer: *Homo sapiens ACTB* (rev):5’-CGATCCACACGGAGTACTTG-3’ |
| qPCR primer: *Homo sapiens TUBA* (fwd):5’-CGGAAGACAGAAGTACAGAGC-3’ |
| qPCR primer: *Homo sapiens TUBA* (rev):5’-CAGCTCATTTGGGTTTCGTG-3’ |