**Table S1: RT-qPCR primers and probes and their sequences/part numbers**

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| --- | --- | --- | --- | --- |
| Gene symbol | Gene name | Reference sequence | Source | Sequence / Part number |
| Agtr1a | Angiotensin II receptor, type 1a | NM\_030985.4 | Applied Biosystems | Rn02758772\_s1 |
| Gnat3 | Guanine nucleotide binding protein, alpha transducing 3 | NM\_173139.1 | Applied Biosystems | Rn00597619\_m1 |
| Plcb2 | Phospholipase C, beta 2 | NM\_053478.1 | Applied Biosystems | Rn00585063\_m1 |
| Trpm5 | Transient receptor potential cation channel, subfamily M, member 5 | NM\_001191896.1 | Applied Biosystems | Rn01479552\_m1 |
| Tas1r1 | Taste receptor, type 1, member 1 | NM\_053305.1 | Applied Biosystems | Rn01516038\_m1 |
| Tas1r2 | Taste receptor, type 1, member 2 | Q9Z0R7.1 | Applied Biosystems | Rn01515494\_m1 |
| Tas1r3 | Taste receptor, type 1, member 3 | NM\_130818.1 | Applied Biosystems | Rn00590759\_g1 |
| Tas2r13 | Taste receptor, type 2, member 13 | NM\_023998.1 | Applied Biosystems | Rn00821169\_g1 |
| Tas2r38 | Taste receptor, type 2, member 38 | NM\_001024685.1 | Applied Biosystems | Rn02396417\_s1 |
| Tas2r39 | Taste receptor, type 2, member 39 | NM\_001080905.1 | Applied Biosystems | Rn04218919\_s1 |
| Tas2r40 | Taste receptor, type 2, member 40 | NM\_001025150.1 | Applied Biosystems | Rn02585844\_s1 |
| Tas2r103 | Taste receptor, type 2, member 103 | NM\_001166690.1 | Applied Biosystems | Rn04181206\_s1 |
| Tas2r104 | Taste receptor, type 2, member 104 | NM\_001166681.1 | Applied Biosystems | Rn04181182\_s1 |
| Tas2r105 | Taste receptor, type 2, member 105 | NM\_023999.1 | Applied Biosystems | Rn00577003\_s1 |
| Tas2r106 | Taste receptor, type 2, member 106 | NM\_001166680.1 | Applied Biosystems | Rn02396427\_s1 |
| Tas2r107 | Taste receptor, type 2, member 107 | NM\_023995.1 | Applied Biosystems | Rn04181173\_s1 |
| Tas2r108 | Taste receptor, type 2, member 108 | NM\_001024686.1 | Applied Biosystems | Rn00576969\_s1 |
| Tas2r109 | Taste receptor, type 2, member 109 | NM\_001080939.1 | Applied Biosystems | Rn03415903\_s1 |
| Tas2r110 | Taste receptor, type 2, member 110 | NM\_001166677.1 | Applied Biosystems | Rn01493128\_sH |
| Tas2r113 | Taste receptor, type 2, member 113 | NM\_001166689.1 | Applied Biosystems | Rn04181200\_s1 |
| Tas2r114 | Taste receptor, type 2, member 114 | NM\_023996.1 | Applied Biosystems | Rn00576975\_s1 |
| Tas2r116 | Taste receptor, type 2, member 116 | NM\_001166679.1 | Applied Biosystems | Rn01462692\_s1 |
| Tas2r117 | Taste receptor, type 2, member 117 | NM\_001166682.1 | Applied Biosystems | Rn04181184\_s1 |
| Tas2r118 | Taste receptor, type 2, member 118 | NM\_023994.1 | Applied Biosystems | Rn00576960\_s1 |
| Tas2r119 | Taste receptor, type 2, member 119 | NM\_023993.1 | Applied Biosystems | Rn00576950\_s1 |
| Tas2r120 | Taste receptor, type 2, member 120 | NM\_001080937.1 | Applied Biosystems | Rn03415897\_s1 |
| Tas2r121 | Taste receptor, type 2, member 121 | NM\_023997.1 | Applied Biosystems | Rn00576987\_s1 |
| Tas2r123 | Taste receptor, type 2, member 123 | NM\_173336.1 | Applied Biosystems | Rn00756563\_s1 |
| Tas2r124 | Taste receptor, type 2, member 124 | NM\_001080938.1 | Applied Biosystems | Rn01492457\_g1 |
| Tas2r125 | Taste receptor, type 2, member 125 | NM\_001109596.1 | Applied Biosystems | Rn01459591\_s1 |
| Tas2r126 | Taste receptor, type 2, member 126 | NM\_139335.1 | Applied Biosystems | Rn00595098\_s1 |
| Tas2r129 | Taste receptor, type 2, member 129 | NM\_001166683.1 | Applied Biosystems | Rn01459135\_s1 |
| Tas2r130 | Taste receptor, type 2, member 130 | XM\_001074122.1 | Applied Biosystems | Rn01459742\_s1 |
| Tas2r134 | Taste receptor, type 2, member 134 | NM\_001013915.1 | Applied Biosystems | Rn02395456\_s1 |
| Tas2r135 | Taste receptor, type 2, member 135 | NM\_001025062.1 | Applied Biosystems | Rn02585807\_s1 |
| Tas2r136 | Taste receptor, type 2, member 136 | NM\_001166678.1 | Applied Biosystems | Rn01749087\_s1 |
| Tas2r137 | Taste receptor, type 2, member 137 | NM\_001025149.1 | Applied Biosystems | Rn01500928\_s1 |
| Tas2r140 | Taste receptor, type 2, member 140 | NM\_001085397.1 | Applied Biosystems | Rn01492598\_s1 |
| Tas2r143 | Taste receptor, type 2, member 143 | NM\_001025061.1 | Applied Biosystems | Rn02585801\_s1 |
| AGTR1 | Angiotensin II receptor, type 1 | NM\_031850.3 | Applied Biosystems | Hs00258938\_m1 |
| ADRB1 | Adrenoceptor beta 1 | NM\_000684.2 | Applied Biosystems | Hs02330048\_s1 |
| TAS1R1 | Taste receptor, type 1, member 1 | NM\_138697.3 | Applied Biosystems | Hs00602668\_m1 |
| TAS1R2 | Taste receptor, type 1, member 2 | NM\_152232.2 | Applied Biosystems | Hs01027711\_m1 |
| TAS1R3 | Taste receptor, type 1, member 3 | NM\_152228.1 | Applied Biosystems | Hs01026531\_g1 |
| TAS2R1 | Taste receptor, type 2, member 1 | NM\_019599.2 | Applied Biosystems | Hs00251930\_s1 |
| TAS2R3 | Taste receptor, type 2, member 3 | NM\_016943.2 | Applied Biosystems | Hs00249942\_s1 |
| TAS2R4 | Taste receptor, type 2, member 4 | NM\_016944.1 | Applied Biosystems | Hs00249946\_s1 |
| TAS2R5 | Taste receptor, type 2, member 5 | NM\_018980.2 | Applied Biosystems | Hs01549633\_s1 |
| TAS2R7 | Taste receptor, type 2, member 7 | NM\_023919.2 | Applied Biosystems | Hs00256778\_s1 |
| TAS2R8 | Taste receptor, type 2, member 8 | NM\_023918.1 | Applied Biosystems | Hs00256766\_s1 |
| TAS2R9 | Taste receptor, type 2, member 9 | NM\_023917.2 | Applied Biosystems | Hs00256757\_s1 |
| TAS2R10 | Taste receptor, type 2, member 10 | NM\_023921.1 | Applied Biosystems | Hs00256794\_s1 |
| TAS2R13 | Taste receptor, type 2, member 13 | NM\_023920.2 | Applied Biosystems | Hs01059805\_s1 |
| TAS2R14 | Taste receptor, type 2, member 14 | NM\_023922.1 | Applied Biosystems | Hs00256800\_s1 |
| TAS2R16 | Taste receptor, type 2, member 16 | NM\_016945.2 | Applied Biosystems | Hs00249955\_s1 |
| TAS2R20 | Taste receptor, type 2, member 20 | NM\_176889.2 | Applied Biosystems | Hs00604340\_s1 |
| TAS2R31 | Taste receptor, type 2, member 31 | NM\_176885.2 | Applied Biosystems | Hs00604313\_sH |
| TAS2R38 | Taste receptor, type 2, member 38 | NM\_176817.4 | Applied Biosystems | Hs00604294\_s1 |
| TAS2R39 | Taste receptor, type 2, member 39 | NM\_176881.2 | Applied Biosystems | Hs00603443\_s1 |
| TAS2R40 | Taste receptor, type 2, member 40 | NM\_176882.1 | Applied Biosystems | Hs00602589\_s1 |
| TAS2R41 | Taste receptor, type 2, member 41 | NM\_176883.2 | Applied Biosystems | Hs00603461\_s1 |
| TAS2R42 | Taste receptor, type 2, member 42 | NM\_181429.1 | Applied Biosystems | Hs00704057\_s1 |
| TAS2R43 | Taste receptor, type 2, member 43 | NM\_176884.2 | Applied Biosystems | Hs00853105\_sH |
| TAS2R45 | Taste receptor, type 2, member 45 | NM\_176886.1 | Applied Biosystems | Hs00820227\_s1 |
| TAS2R46 | Taste receptor, type 2, member 46 | NM\_176887.2 | Applied Biosystems | Hs00853124\_s1 |
| TAS2R30 | Taste receptor, type 2, member 30 | NM\_001097643.1 | Applied Biosystems | Hs03054740\_sH |
| TAS2R19 | Taste receptor, type 2, member 19 | NM\_176888.1 | Applied Biosystems | Hs00853130\_s1 |
| TAS2R50 | Taste receptor, type 2, member 50 | NM\_176890.2 | Applied Biosystems | Hs00604351\_s1 |
| TAS2R60 | Taste receptor, type 2, member 60 | NM\_177437.1 | Applied Biosystems | Hs00603474\_s1 |
| 18S | 18S ribosomal RNA |  | Applied Biosystems | 4308329 |
| Gapdh | Glyceraldehyde-3-phosphate  dehydrogenase |  | Applied Biosystems | 4308313 |
| Tas1r1 | Taste receptor, type 1, member 1 | NM\_031867.2 | qPrimerDepot | F: GTTCTCCCTCCATGCTGACT |
| R: CATGGCTTGGAAGAGGTGAT |
| Tas1r3 | Taste receptor, type 1, member 3 | NM\_031872.2 | qPrimerDepot | F: TGCTATGACTGCGTGGACTG |
| R: CTGTGCTTTTCTCTGGGGAC |
| Tas2r108 | Taste receptor, type 2, member 108 | NM\_020502.1 | qPrimerDepot | F: TATTTGTGTTTGCTGCCTCG |
| R: AATTCTGCGACTGTTGACCC |
| Tas2r121 | Taste receptor, type 2, member 121 | NM\_207024.1 | qPrimerDepot | F: CCTGGTCTCCTTCATCCTGT |
| R: TTAGTGCTGGGGTCTCGTTC |
| Tas2r126 | Taste receptor, type 2, member 126 | NM\_207028.1 | qPrimerDepot | F: TGGTTGAAGTGGAGATTCCC |
| R: TGGTTTCCCCAAAAGAACAG |
| Tas2r135 | Taste receptor, type 2, member 135 | NM\_199159.1 | qPrimerDepot | F: TCAGGTACTGGATGTGGCAG |
| R: CAGCAGCCCCTCTTTATCAC |
| Tas2r143 | Taste receptor, type 2, member 143 | NM\_001001452.1 | qPrimerDepot | F: CTTATTGGCATCCTCTGGGA |
| R: AGGGTGGGAGAAAGAGGAGA |