

Primer Sequences for PCR amplification

Primers used for liver

Gene name	forward primer (5'-3')	Reverse primer (3'-5')	Product size
<i>AKR1D1</i>	TCTCAGTGCTGCAAGTCACC	CTCCCCAACTTCGTGTTTCAT	193
<i>FGG</i>	GAATTTTGGCTGGGAAATGA	ATCATCGCCAAAATCAAAGC	222
<i>APOA2</i>	GAGCTTTGGTTCGGAGACAG	TGTGTTCCAAGTTCACGAA	235
<i>CYP2C8</i>	GCAGGAAAAGGACAACCCAAA	GTGTAAGGCATGTGGCTCCT	228
<i>GC</i>	GAAACACCAGCCACAGGAAT	GGTACAGCAGGACCCTACCA	196
<i>CPS1</i>	ATTCTTTGGTGTGGCTGAAC	ATGGAAGAGAGGCTGGGATT	150
<i>CYP2E1</i>	ACCCGAGACACCATTTTCAG	TCCAGCACACACTCGTTTTTC	201
<i>APOC3</i>	CTCCCTTCTCAGCTTCATGC	GTCTGACCTCAGGGTCCAAA	200
<i>SERPINC1</i>	TTTACTTCAAGGGCCTGTGG	CTTTGAAGGGCAACTCAAGC	171
<i>AHSG</i>	CAGAACAACGGCTCCAATTT	CTGTGTTTGGAAACACCATGC	240
<i>AMBP</i>	AGTGGTACAACCTGGCCATC	AAGCTCCAGACGTCTCCTCA	165

Primers used for lung

Gene name	forward primer (5'-3')	Reverse primer (3'-5')	Product size
<i>CLDN18</i>	GGTATCCATCTTTGCCCTGA	GGTCTGAACAGTCTGCACCA	217
<i>NKX2-1</i>	ACAAGAAAGTGGGCATGGAG	GTTCCCTCATGGTGTCCCTGGT	248
<i>SCGB1A1</i>	GTCACACTGGCTCTCTGCTG	TGATGCTTTCTCTGGGCTTT	205
<i>SFTPB</i>	CAAACGGCATCTGTATGCAC	CGGAGAGATCCTGTGTGTGA	195
<i>CYP4B1</i>	CCTGGACAAAGTGGTGTCCCT	CCAATCCACTGGAGGAAGAA	171
<i>CD52</i>	GCGCTTCCTCTTCCTCCTAC	GAGGTGGATTATGGCATTGG	166
<i>LAMP3</i>	ACTTCAACATCGACCCCAAC	CACTCACGCACCTGAAGGAA	246
<i>AGER</i>	GCTGTCAGCATCAGCATCAT	ATTCAGTTCCTGCACGCTCCT	225
<i>LYZ</i>	GCCAAATGGGAGAGTGGTTA	ATCACGGACAACCCTCTTTG	213
<i>SFTPD</i>	AAGTGGGCTTCCAGATGTTG	CTGTGCCTCCGTAAATGGTT	181
<i>SFTPC</i>	ACACTGCCACCTTCTCCATC	CTGGCCCAGCTTAGACGTAG	221
<i>SLC34A2</i>	TCGCCACTGTATCAAGAAG	TGGATAAGCCCTCTCAATGG	185

Primers used for heart

Gene name	forward primer (5'-3')	Reverse primer (3'-5')	Product size
<i>MYOZ2</i>	CCGGAGCTTTTAGAGGCTTT	CCAGAAAGGGGATTGACAAA	206
<i>TNNI3</i>	TGCAGATTGCAAAGCAAGAG	CAGATCTGCAATCTCCGTGA	224
<i>SYNPO2L</i>	CGACCTGGTCCTCATCTCAT	GCCGCCGTTTCTTAAACATA	232
<i>MYH6</i>	CTTCAACCACCACATGTTTCG	GGCTTCTGGAAATTGTTGGA	234
<i>CSRP3</i>	CCTTGGCACAAGACCTGTTT	TTGTGTAAGGCCTCCAAACC	150
<i>CKM</i>	TGAAAACCTCAAGGGTGGAG	TCCTTCTCCGTATGCTCTT	213
<i>PLN</i>	GAGAAAGTCCAATACCTCACTCG	GAGAAGCATCACGATGATACAGA	153
<i>MB</i>	GAGATGAAGGCGTCTGAGGA	TCTGCAGAACCTGGATGATG	190
<i>ITN</i>	AGGCTGGAAACGGTGTAAATG	TAGGGCATCCTGCTCTCATG	233
<i>MYL7</i>	GTCTTCCTCACGCTCTTTGG	CCACCTCAGCTGGAGAGAAC	166
<i>MYH7</i>	TGTGTCAACCGTCAAACCTTA	TGGCTGCAATAACAGCAAAG	238
<i>TPM1</i>	AGTCGAGCCCAAAAAGATGA	TTCTTCCAGCTGTCTGGACTT	192

Primers used for brain

Gene name	forward primer (5'-3')	Reverse primer (3'-5')	Product size
<i>GAP43</i>	GGGAGGCTTGAGGAAAAATC	TCAGCAGCTTGGACATCATC	240
<i>GFAP</i>	AGGAAGATTGAGTCGCTGGA	ATACTGCGTGCCGATCTCTT	165
<i>TMEFF1</i>	CCCTGTTTTGTTTCGAGAAGC	CACATTTTCCATGGATGCAG	229
<i>FUT9</i>	CAAAAGAGTGGCATTGAGCA	AATGCTTGCCCGTAGGTATG	236
<i>SYT1</i>	GTGAGCGAGAGTCACCATGA	ACGGTGGCAATGGAATTTTA	172
<i>SNAP25</i>	ATGCCCCGAGAAAATGAAATG	AGCATCTTTGTTGCACGTTG	190
<i>MBP</i>	GGGAGGACAACACCTTCAAA	ACTTGCTGTGGCCAGGTACT	155
<i>GRIA2</i>	GTGGCTAGAGTGCGGAAGTC	ACGCCTTGCTCACTGAGTTT	206
<i>KIF5C</i>	TGCAGGATGCTGAAGAAATG	GCTTCTCCTGTTCCAGTTGC	168
<i>STMN2</i>	AGCTGTCCATGCTGTCACTG	CAGCCTCCAGTTTCTTCTGG	231
<i>NEFM</i>	TCAACGTCAAGATGGCTCTG	CTTCCACCTTGGGTTTCTGA	165
<i>GABBR2</i>	CGCCTGTTCTAGCCGATAAG	GGTACAGGGATCGTTGGAGA	236

Primers used for kidney

Gene name	forward primer (5'-3')	Reverse primer (3'-5')	Product size
<i>SLC12A1</i>	TTTGGAGCTGTTTTGTGCTG	ATGGGTCCCCCTGTTAAGAC	245
<i>SLC3A1</i>	GGGAACAGCGTGTATGAGGT	GGAGTTCCAGGGAGTGTGAA	167
<i>UMOD</i>	AAGAGTCTGGGCTTCGACAA	GCTGTAAGTGGCATGGGTTT	162
<i>AOC1</i>	AGGCATGCAGACCAAGTACC	GGCATTTCAAAGAGGCAGAG	171
<i>CD24</i>	ACCCACGCAGATTTATTCCA	ACCACGAAGAGACTGGCTGT	153
<i>HSD11B2</i>	GACCTGACCAAACCAGGAGA	GCCAAAGAAATTCACCTCCA	174
<i>CA12</i>	AGTACAAAGGCCAGGAAGCA	GCCGGAAGTTGTTGATCATT	246
<i>PDZK1IP1</i>	TTGCAGTCAACCACTTCTGG	GCATTCTCATGCTCACTGGA	151
<i>FXYD2</i>	CGTGGACCCGTTCTACTATGA	GGCTCATCTTCATTGATTTGC	153
<i>CDH16</i>	GGGAAACCTCTACGTGACCA	AGCTCAGGGATGCTGACTGT	189
<i>SLC22A8</i>	CTGAGCACCGTCATCTTGAA	GACCAACCAGCGTATGGACT	219
<i>CLDN8</i>	GGGACAATGAGAAGGTGAA	GAGCTCCTCCAACAATCAGC	217