Přílohy

Primery použité k NGS

Gen	Sekvence 5´-3´	Sekvence 3´-5´	Délka amplikonu
BDNF	CTAAGCCAGCGCCCGAAAC	CAGCTCTTCTAGTGAGAAGGATTCA	238
BDNF	GGGTCCACACAAACCTCAC	GGCCGGACAGAGGAGC	190
BDNF	AGCCATGATTTACCCAAATGTTC	CTGGTCTCCTCTTTGTTTTGTTT	218
BDNF	AACTGAATAATTTACCCTGTTATGT	CATAGACAAAAGGCATTGGAACT	235
BDNF	ACAATTGCTGGATGTGTCTCCTA	TGAAAGAAGGAAGACTTTACGTAGT	233
BDNF	GCTTTCTAGCCGACCAAACAGAA	GCTGCAGAACAGAAGGAGTACAT	225
BDNF	TGGTCACAACTGAAAATGTTTTGCT	GCCAAGGAGTGAAGGGTTTTAGA	230
BDNF	TCATGTCACTGGCAATGTGGATT	TGACACTCGTATAAGCATGGAGA	235
BDNF	CCCTGGTTTCCTCAAGTCTAGTT	AGTGCCTACATTATCTAACTGTGCTC	231
BDNF	TGTCATGAAAACAATGTGTCTGG	AGAAAAGTTGAGCTTTCTTAGC	187
BDNF	TGTTAAGCAACATGTCAAGATTT	GCGGATATTGCAAAGGGTTATT	231
BDNF	CTGTTTTCTGAAAGAGGACAGTT	ACAGTACAGTGGTTCTACAATCT	220
BDNF	AGTCTTAAAGCAAGGAACACACG	AAACTTAACCGCATCAGAAGCCTA	216
BDNF	ACATAGGTCCTTCCGTCAAAAGC	GAGATGGGGAAAGAATTCCTACAA	226
BDNF	GACTAACCCGAGTCAAGAATCCC	CCAGGAATTGAGACTGAAGTGGAC	238
BDNF	ACTAAGCAACAACTGCAAGTGTAA	AGAGTATCTCTGTGGGAAGAGGA	222
BDNF	TTTTCAGGTGTGAAATGGGCTGA	GGTGCCTTGCTCAATGGAAGAG	236
BDNF	TGGGCCTTTCTAGCTATGTGATG	GGGAGCCCTGAGTTCTAACATAAA	238
BDNF	TTCTGAATGTCCAGACACCTTCC	TGTGGCATTTGTGATCATGAGATT	232
BDNF	GCTTCGAGGGGTGTTCCAG	GCGGGAAGGTGTGTCTGTG	227
BDNF	AGCAGATATTCCAAGCATTCCTTAC	AGGGTGAGGGATAAGCAAAAGAG	233
BDNF	CAGCCTTCATGCAACCAAAGTAT	GTCTGGTGCAGCTGGAGTTTAT	225
BDNF	AAGTTGTGCGCAAATGACTGTTT	ACCATTAAAAGGGGAAGATAGTGGA	226
BDNF	CCCAGAACCCCCAGATTTTAT	TTCACCATGTAAAACAAAAAACAA	222
BDNF	TTGCAAACATCTTCACAACATACA	TTTACTGCTTTTAACTTCTGATAGCG	240
BDNF	GGAAAAGGAACTGTGTTTCTGC	TTCTAAGCATGTTTGCTATTCGT	240
BDNF	CCCCTAAGCCAGTAAAGCAATGA	TTGCATGCTGCTTTAATTGTGAA	233
BDNF	AATTCCACTGAAACGTGGAGGTA	GGATGCAAAAATAACCCGAAGGAC	221
BDNF	CCCCAAAACTCCCACACTCTATT	GCGAACTAGCATGAAATCTCCCT	224
BDNF	CAAGGCCACAGACATTTACTTAC	TCAGTGGCTCTTTTACCCAATAA	239
BDNF	TGGCTTTTTCTGGCTAATACACAC	GGGACTTCCCAGGAAACTTCAAA	216
BDNF	AAAGGCACTTGACTACTGAGCAT	AGAAGCAAACATCCGAGGACAAG	240
BDNF	GGCCTGCCCGAGAGTGT	TAGGCTAGGAATCCTTCCAGGG	239
BDNF	CCCACTACGCAGGTCACAC	TCACGTAAACAGCGAGGTTAGTC	233
BDNF	CCATCCTGTTTTACAGGTAAGGAA	CATGACATTAGCCCCAGGCATAG	216
BDNF	AGAGGCCTTCGTTTTGGAATGTC	TGTAAGCAAAAGGTAGAGCCCTG	216
BDNF	ACAGGTGATGGAAGAAACTGGAA	CATGACTGTGCATCCCAGAAGA	230
BDNF	CGGGGCCTGTCCTCAC	GAGTTGAAAGCTAGGGGAGC	240
BDNF	CTCTCCATGAACAGACAGGATGG	TTGGTAAGGGAAAAGGGAACAGG	234
BDNF	GTCCGGAAAGGACCTTCTACTCC	gctGGATGCTTCTTTCTGGGTTT	231
BDNF	TACAATAGGCTTCTGATGCGGTT	CTTTGTGGCAGAAGTGTTTCAT	226
BDNF	CATGCAGTGTTTCCCCCAAGAT	TGCAAAGGACCATGTTGCTAACT	239
BDNF	GGATCCCCCAGTCAACTCTCTC	GGGCTTTAATGAGACACCCACC	217
BDNF	CCCAACTGCCCTGCTATGTA	CAAGGCGAAGGTTTTCTTACCTG	240
BDNF	CTGCAGCCTTCTTTTGTGTAACC	GATGCTGCAAACATGTCCATGAG	239
BDNF	CGGTGGGTGTCTCATTAAAGCC	TTTGACCAATCGAAGCTCAACCG	227
BDNF	CGAAAGTGTCAGCCAATGATGTC	CTTTCTCCCTACAGTTCCACCAG	225

BDNF	CTCAATGAGGGGACCAAACT	GATAGGAGTCCATTCAGCACCTT	222
BDNF	ATTGATAGTGGAAATTGCATGGC	GCACTAGAGTGTCTATTTCGAGGC	238
BDNF	CCATGTGGCCCATCTGATTGTAA	AAGAAGGAGAACTTGAAGCCACA	232
BDNF	ACAAATTGAAATTCTTTGCTGATGGT	GGGAGCCTGAAATAGTGGTTCTT	236
BDNF	CTCTCATGCTCTCCCTCTACCT	CTAGCGGTGTAGGCTGGAATAG	234
BDNF	CGCTCCCCTAGCTTTCAACTC	TGCGCGAACTCTGTTTAAGCC	216
BDNF	TGCTGGAAGGTAATGTGTCTTGT	TCAAAAGGAAACGTGTCTCTCGG	233
BDNF	ACTGTTCTCCATGCTTATACGAGT	CTCATTCTTTGGGCGTTGGTCAG	216
BDNF	AAGACGCTTTTTAAGGGCGACAC	GTGACAAACCGTAAGGAAGTGGA	232
BDNF	CGCCGTTACCCACTCACTAATAC	GTTCGGCCCAATGAAGAAAACAA	222
BDNF	gcgctaccgATACCCGTTC	CTGGAACACCCCTCGAAGC	208
BDNF	TGTAATCTCCCCTTCTTCTTGCC	AACCCACATCTCTACCCATCCTG	230
BDNF	ATTATCCAGAGGTGGGATGGTGG	TGCGGGAGGAATTTCTGAGTG	240
BDNF	GCATTTCCCAAAGTTAACCCAGT	ACCCTGTGTCGCCCTTAAAAA	217
BDNF	CCATACAGAAGCGTGTGGGTAG	TCCTCCTGCATTAAGCTACAAGT	239
BDNF	CAGAAGACAAAGCAACTGGCATC	ACTCCTCACTTTCTCTGGGAACT	229
BDNF	TCTTCCCCTTTTAATGGTCAATGT	TCCCTGTATCAAAAGGCCAACTG	233
BDNF	ACAAAGAGACCACAGCAAGACTTTA	AACAACCCCCCATCACAAACTTA	238
MC4R	AATTGAAAGCAGGCTGCAAATGG	TAGCCAAGAACAAGAATCTGCAT	224
MC4R	CATGCCTGCTGTGAGTAAATGTC	GCATGGCAGCTTCAAGGAAAAT	223
MC4R	TTATTAAGAACCCAGCCAGTAGT	GCACCTTTTTTCAGCTATAACAC	205
MC4R	ATGGATATTCTCAACCAGTACCC	ATCGATCCTCTGATTTATGCACT	234
MC4R	ACAGTGCCTACAACCTATAACAT	CACGCAATATAGGAACATGCATAA	233
MC4R	CTCACATCGGCTGCCTCTC	GCTTCTGCATCTGAATCTGTGTC	235
MC4R	CTGCTCTTTGCTTTCTTGTTCTC	TCCACACATCATAAAAATCAGCA	221
MC4R	AAGGTAATCGCTCCCTTCATATT	ATAAGTTGTATCTGGGCAGCTT	233
MC4R	AAGTCTGAAGTCGAGAAGCAAGC	AGTATCCTAGCCAAAAAGCAGAGT	229
MC4R	GGTGAAGAACATGGTGATGAGG	GTGATCTGTAGCTCCTTGCTT	228
MC4R	CTATGTTACGAAAGCACGCAAAGT	TGCCCAGTCTCTGTATTATTTCCA	180
MC4R	GCTTCCTTCTGACCAATCCCAAT	GCTGCCTGAAGATAGCTTGTTTT	226
MC4R	CACAAACACCTCAGGAGAGACAA	AGGAAATAACTGAGACGACTCCC	231
MC4R	CATTTGAAACGCTCACCAGCATA	GCAGTTACAGACTGCACAGCAA	237
MC4R	AGACATGGTATGGCTGGAAGAAC	CAGAATGCAGCTTATTATTTTCCTGA	217
MC4R	TGCTCTGTCCCCATTTAATATCT	CCCCATTCTTCCTCCACTTA	238
MC4R	CACGGTGGGTGGAGTTC	AGCCCAAGATTTTAAAGTGATGATG	240
MC4R	AGACATCATGTGTGTGTGTAAAATGA	ACATAGTTCTTCCAGCCATACCA	218
MC4R	CATGAAGCACACACAATATGGAT	TTCTCTCTATGTCCACATGTTCC	217
POMC	GAGACGTCCTCGCGCTTC	CACGGGCTGCCCTCAT	227
POMC	CCAAACTATCTGATCCCTCGAA	TAAAGCTGCCTGTAGTTAGGAAA	238
POMC	ATGGCAGGATTTGAAGAGGATGC	CCACCTGGTTAAGGGAAATTTGG	240
POMC	CTTCTTGCCCACCGGCTT	AAGTACGTCATGGGCCACTTC	234
POMC	GGACGGGGACAGGGGAT	CTGCCGGGAAGGTCAAAGTC	218
POMC	AGAGCAAGGGGCTTTGGG	GTGGCGGCCGAGAAGAAG	236
POMC	CAGCTCCAGTCCCATCTAATGTC	CCCACCAATCTTGTTTGCTTCTG	232
POMC	CTCTTCTTCCCCTCCTTCGC	CGCCTTCGGCAGGACAG	232
POMC	TCAAAGTCAGAGGTGGATGTGAAA	GCTGTTCAAAAACGCCATCATCA	228
POMC	CGTCGGGGCCATCTCC	CCCCGCAGCGATGGTG	211
POMC	GGGAGACGCGCTGGAAAG	TATTTACCGCCAAATGCGAACC	240
POMC	CAGCGGAAGTGCTCCATCC	GGCGCCCAGTGAAGGTG	223
POMC	AGGTTGCTTTCCGTGGTGAG	AATGTTGGCTCAAGGTCCTTCCT	234
SIM1	CTGTCCTCTTGCGAGGGATTTA	GCGCCTGCATTCATCCT	240
SIM1	TTGAAACCACAAAGAAGTCAGTTT	ATTGCATTGTGACTATCCAGTGA	224

SIM1	TTTAAAGTAGGTATGGCAGGTGA	TGCCAAATGTTGAGAAACATGAA	217
SIM1	CCATCTCTTAACTGTTCTCATGC	GGAATAATAGTGAACTGGCTTCG	227
SIM1	CCCAAAATGGTCAAATGCTCAAT	ATACAAGATTTCCGCCCTCAAGA	218
SIM1	GCTTTCCTTAGCTGTAATCTGTT	AGGGTGAATTCTGAGATCACTTA	237
SIM1	TGAGGATCACTGGATAGTCACA	ACATAGCACTAGCATTCAGGGTT	196
SIM1	GTCATCAAATGTCTTAACTTACCT	AGATTGACCCAGTTTTAAGTACA	185
SIM1	CAATGTCACTAAAAACTATACATTGC	AAGAAATGAAATTGGCCTGGAAA	240
SIM1	ATTGAGCCTAGTATCTGAAGTGT	GACATCAGTGACCAGAGAAATG	225
SIM1	ACTTTCAATTAGAGATCATATTTGGC	GATACCCTGAACGACCCTC	226
SIM1	AGCAAAGTTGCAATAAACAAAACT	CTCAGAGTTCCTTCTCTAGGAC	240
SIM1	AAACCACACATAAGTGAATCTGC	ATAGGTAGGTGACAATCTGAACG	230
SIM1	TCAAGTTCTGCCAGTACATTCCC	GCTCCTTTAGGCAGGTTACAGTT	229
SIM1	AGCACTATCTGTACAACCCTTAC	TTATGTAAATGTCAAGTTTTTGTGAA	231
SIM1	TTCACTGTTTTCCTTCTCCCTCC	GCTGGTCTTTTACTGCCATCAAT	229
SIM1	ATCTTTCTGTGTGAAATCCCGAA	AAAGGATTTTCTTTGGAAGCATCATA	240
SIM1	ATCATTATGAAAACAGGATGTATGT	TTCAGTGCAATCTATCAGTCCTA	233
SIM1	ACCCAGTACTCATCTTTCATATT	GCCCAAAACTCTTGCCATATTTA	186
SIM1	CTGCGGTCCGAAAACTGTC	GCTGTTTTTTGTTTGTTTGTTTTCTC	239
SIM1	TGGTCACCCCTTGGTATAAACAG	CCAATCAAATGCAGATAAAAAACCCA	180
SIM1	TGAAGTGTCTACTCATAATGTTTCC	TAAATCTATATGGGGTTGGGGTT	217
SIM1	TCCACAATTAGTTCCACAGTAAG	ATAAAATGTTTGAATGCCCAGAT	222
SIM1	CTCCTGCTGTCTGATGAGGAGAT	CCCACCAACAGGTGAAGTCTG	233
SIM1	TTCTCAGGATCTATTTGCCAACC	TGAACAAGTATGCCTGAATTTACT	240
SIM1	TATCACAGAACATGAACGCTGGG	gctaagagcAGTACTCTGAAGGAA	237
SIM1	CGATGGAAACAATCTAGCCCTAT	TTAATGTCACAATCACTACAGGT	234
SIM1	CTGAGGAGCCAGCCTTTT	GTTTTTGGAATTGGGACGAGTG	237
SIM1	ACAGAGTCAAAGAAAATTACCCA	CCTCTAATTATATGGGAACCAGAA	238
SIM1	ACTCAAAGTGCATATTGGTAACT	TGCAATGTATAGTTTTTAGTGACAT	238
SIM1	TTCTACAAAACCTTTAGCATTCTT	GGACTTGAGTATGTGAGAATTTGA	229
SIM1	AGAGCTAAAATGGTTCCTGTTTCT	TGATATCTTGCAAAGTGTTCCCA	238
SIM1	GTGAAAAATTACCTCTTCCTGATTGT	TCTTTGACTCTGTCACACTAAACT	218
SIM1	TGGCAAAGTTATGGAAATCAAGAAT	TGACCCAAGGTAAGTTAAGACATTTG	239
SIM1	TCTATCCACACCTGGCAAAAAA	CCTCCCCATCAATACTTTCTCTT	216
SIM1	TTCAAACCATGTCGCCAAAAA	CCCTGCAGAGACACAGAATACAA	229
SIM1	TCTCTCTGCTGGATATGGTCACA	CCACATGAACCCAGCAAAATTGA	239
SIM1	AGCATTATTCCTTCTGATTACTCTCA	TCACAGATGGGTATTTCTGGTGG	220
SIM1	AAATGGGAACACTTTGCAAGATA	ATGAGTAGACACTTCAAAAAAGATAA	236
SIM1	AGTTACAGGTAGGGCCAAAATTA	CATATGTGCCAATGTGACAAC	231
SIM1	TATAATTGATCCTCATCCCCCAT	TTACACAGAAAAACCACTTGCTC	216
SIM1	CCCCCTACCCCTGCTTCC	CACTAACTTCTGTCCTCCTGCTC	236
SIM1	TTTCAGCAAAACATCAGCTTCCG	CTCTCCAAACTGCTTTGGCTCTC	233
SIM1	GCCATATTGCAAAAAATGTAAGC	TGCTCTTTAAAATGACATGACCA	218
SIM1	CAGGCACTCAGACCCTCAAAG	GGCACTCGGGTAATACAGTCG	227
SIM1	ATCATATTTTTCTGTGTGCGTAT	AATGAATGACAACAGTTATGGAC	227
SIM1	CCTGTGGCGCTCACTTATACAAA	TGCTGTAAATGCAAAAAAGTGCAA	227
SIM1	GTTTCAGAATCTGCGAATGTCTT	TTTTGTCCAGTAAAAACCAGGAG	238
SIM1	GTAGTCCCAGAGGTAGGGACATT	GTGTCACACGACCTGAGCTTC	222
SIM1	TTACCTGAGGGTATGGGGAAGTC	TTCCTATGGTGGCTGATTAAGGG	217
SIM1	TTGATGTGTGTCCCAATATCTCA	AAACTGACTTCTTTGTGGTTTCA	233
SIM1	CTGGATCATGAATTGGAGGAGGG	GCTTGTGAGTGGCATTGAGGG	236
SIM1	TAAATCTTGCTATTTTTCTTCTCTGT	CTGTGATAGAGCAGAACTGAACTTA	216
SIM1	TCAGAAGATTTCTTTATCTGTGCT	TGGGCAGAGAATCCCACTTA	225

SIM1	GCAAAGTCACTTACCTTCTGGGA	GCGGAGCTTAAGTTGTGAGAAGA	230
SIM1	ACTTAAAACTGGGTCAATCTACCA	AAGAACCAGGGAAAATGAACTGA	239
SIM1	GTCAAAATTTATCTATTCTGGTTCCC	AGTTTAATACCCCATTACCAGCA	204
SIM1	GCCTCTCCCACACCACC	TTCATGATCCAGAAAAGGGAGCC	221
SIM1	CTTTCTGGGGAGGCCTTTGT	CTGGCTCCCAGCACGAC	238
SIM1	GTCATGTGGCACTTCACTGGT	CCTGGAGTGCTCAATTGGAAGTA	228
SIM1	GGACATAGTTGACGCTGACGATA	TCTTACCACCAGGGATTGCATTT	223
SIM1	GCCACGACTAATTGGGGAAAAAC	GTCCCTTCACCGGGCATTC	239
SIM1	CTCATTTTGAATGTCACCTCAGC	GAAGTTTCCCCAATCTTTCTTGG	229
SIM1	AAACATTTTGCCTATTCCTTCAGAG	TCAAACCAATTCACCCAGAAAAAAG	229
SIM1	GTGAGGACCTTAGTGAAGCAG	GGACAAAGCATCCATAATCAGAC	220
SIM1	CCAGAAAGATGAGCTTCATGTCC	CTCTTCCTACCTGTGGCTGAGT	240
SIM1	CAAGAACAGTGTATTGATGGCAGT	TATGTCGATTTTCCGAGGACCAG	234
SIM1	TATCTGACCTGTAGTGATTGTGA	ACATAGCTCATGGTTTTGTAGAAT	229
SIM1	ATGCTGAGCCCTTAAATTGTGTT	GAGGTAATTTTTCACCTTGCTTTTCA	216
SIM1	GCCCGAGCCTTGTCTAACC	GACCACCAAGTACTACAGGTTCC	226
SIM1	CTGCTTAAGTCACAAAGCATCTA	TAATTTTGGCCCTACCTGTAACT	221
SIM1	TGGGCTCATAGGATAGACGGAAA	CTTCGACGGCTGCTACCAAAAC	233
SIM1	AACCTGCCCAGGGCCTAAT	GTGAGGCAGGCAGGTACTTC	210
SIM1	AACCCTGAATGCTAGTGCTATGT	ACAAGGACACAAGGGAACATCTG	220
SIM1	AGCACATTTTTATGTATCCCCAA	GTGCAGCAACATATTTCCTCATA	225
SIM1	CCATTTCTTTTAGCTTCTGTCCC	TGGAATACATAAAATGGAGTTTTGA	216
SIM1	GTTACCGGGTGTAAGTTTAACAG	CAATTATAACACACACACACACA	240
SIM1	AGTTTCTAATGGTTTCGCTGTCAT	GCACTATCTCGGATAAGTAGTCCC	229