

SEQUENCE LISTING

SEQ ID NO: 1: AACGGTTGCTC
SEQ ID NO: 2: GAGCAACCGTT
SEQ ID NO: 3: ATGGGAGC
SEQ ID NO: 4: CCATAACG
SEQ ID NO: 5: ATGGGAGCAACCGTT
SEQ ID NO: 6: CCATAACGGTTGCTCCCAT
SEQ ID NO: 7: ATGGGAGCAACCGTTATGG
SEQ ID NO: 8: CCATAACGGTTGCTCCCATACCGTTGCTCCCAT
SEQ ID NO: 9: ATGGGAGCAACCGTTATGGGAGCAACCGTTATGG
SEQ ID NO: 10: CGCCGGATGGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 11: CCGGATGGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 12: GGATGGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 13: ATGGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 14: TGGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 15: GGCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 16: GCTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 17: CTCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 18: TCTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 19: CTTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 20: TTGGGAAACCAAACCGTACCAACC
SEQ ID NO: 21: TGGGAAACCAAACCGTACCAACC
SEQ ID NO: 22: GTTTCCCAAGAGCCATCCGGCGATGCGGAATGTACC
SEQ ID NO: 23: GTTTCCCAAGAGCCATCCGGATGCGGAATGTACC
SEQ ID NO: 24: GTTTCCCAAGAGCCATCCATGCGGAATGTACC
SEQ ID NO: 25: GTTTCCCAAGAGCCATATGCGGAATGTACC

SEQ ID NO: 26: GTTTCCCAAGAGCCAATGCGGAATGTACC
SEQ ID NO: 27: GTTTCCCAAGAGCCATGCGGAATGTACC
SEQ ID NO: 28: GTTTCCCAAGAGCATGCGGAATGTACC
SEQ ID NO: 29: GTTTCCCAAGAGATGCGGAATGTACC
SEQ ID NO: 30: GTTTCCCAAGAATGCGGAATGTACC
SEQ ID NO: 31: GTTTCCCAAGATGCGGAATGTACC
SEQ ID NO: 32: GTTTCCCAAATGCGGAATGTACC
SEQ ID NO: 33: GTTTCCCAATGCGGAATGTACC
SEQ ID NO: 34: ATGGCTCTTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 35: GTTTCCCAAGAGCCATGGATGCGGAATGTACC
SEQ ID NO: 36: GGCTCTTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 37: GTTTCCCAAGAGCCGGATGCGGAATGTACC
SEQ ID NO: 38: CTCTTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 39: GTTTCCCAAGAGGGATGCGGAATGTACC
SEQ ID NO: 40: TCTTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 41: GTTTCCCAAGAGGATGCGGAATGTACC
SEQ ID NO: 42: CTTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 43: GTTTCCCAAGGGATGCGGAATGTACC
SEQ ID NO: 44: TTGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 45: GTTTCCCAAGGATGCGGAATGTACC
SEQ ID NO: 46: TGGGAAACTGAAACCGTACCAACC
SEQ ID NO: 47: GTTTCCCAGGATGCGGAATGTACC
SEQ ID NO: 48: GGGAAACTGAAACCGTACCAACC
SEQ ID NO: 49: GTTTCCCGGATGCGGAATGTACC
SEQ ID NO: 50: ATGGCTCTTGGGAAACTGCCTGAAACCGTACCAACC
SEQ ID NO: 51: GTTTCCCAAGAGCCATACAGGGATGCGGAATGTACC

SEQ ID NO: 52: GGCTCTTGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 53: GTTTCCCAAGAGCCACAGGGATGCGGAATGTACC

SEQ ID NO: 54: CTCTTGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 55: GTTTCCCAAGAGACAGGGATGCGGAATGTACC

SEQ ID NO: 56: TCTTGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 57: GTTTCCCAAGAACAGGGATGCGGAATGTACC

SEQ ID NO: 58: CTTGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 59: GTTTCCCAAGACAGGGATGCGGAATGTACC

SEQ ID NO: 60: TTGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 61: GTTTCCCAACAGGGATGCGGAATGTACC

SEQ ID NO: 62: TGGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 63: GTTTCCCAACAGGGATGCGGAATGTACC

SEQ ID NO: 64: GGGAAACTGCCTGAAACCGTACCAACC

SEQ ID NO: 65: GTTTCCCACAGGGATGCGGAATGTACC

SEQ ID NO: 66:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGA

SEQ ID NO: 67:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 68:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 69:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 70:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACTGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 71:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 72:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 73:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 74:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 75:

TCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAA
GACCAATTCTTGAGAGAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 76:

GAACCCACTAACAGTAGAAGTACCATACATTTGTACAGAAGGGGAAGACCAAAT
GAACCCACTAACAGTAGAAGTACCATACATTT

SEQ ID NO: 77: TCTTGAGAGAACCCACTAACTCTTGAGAGAACCCACTAAC

SEQ ID NO: 78: GGAAGACCAAATTCTTGAGA

SEQ ID NO: 79:

MGHHHHHHHHHSSGHIEGRASADGPYLQILEQPKQRGFRFRYVCEGPSHGGLPGA
SSEKNKKSYPQVKICNYVGPAKVIVQLVTNGKNIHLHAHSLVGKHCEGICTVTAGP
KDMVVGFANLGHVTKKKVFETLEARMTEACIRGYNPGLLVHPDLAYLQAEGGGD
RQLGDREKELIRQAALQQTKEMDLSVVRMLMFTAFLPDSTGSFTRRLEPVVSDAIYDS
KAPNASNLKIVRMDRTAGCVTGGEIYLLCDKVQKDDIQIRFYEEEEENGGVWEGFG
DFSPTDVHRQFAIVFKTPKYKDINITKPASVVFVQLRRKSDLETSEPKPFLYPEIKDKE

EVQRKRQKQGSSGTSGGGSGGGMTLEEARKRVNELRDLIRYHNYRYYYVLADPEISDA
EYDRLLRELKELEERFPPELKSPDSPTLQVGARPLEATFRPVRHPTRMYSLDNAFNLDE
LKAFEERIERALGRKGPFAYTVEHKVDGLSVNLYYEEGVLVYGATRGDGEVGEEVT
QNLLTIPTIPRRLKGVPERLEVVRGEVYMPIEAFRLRLNEELEERGERIFKNPRNAAAGSL
RQKDPRITAKRGLRATFYALGLGLEEVEREGVATQFALLHWLKEKGFPVEHGYARA
VGAEGVEAVYQDWLKKRRALPFEADGVVVKLDELALWRELGYTARAPRFAIAYKF
PAEEKETRLLDVVFQVGRGTGRVTPVGILEPVFLEGSEVSRVTLHNESYIEELDIRIGDW
VLVHKAGGVIPEVLRVLKERRTGEERPIRWPETCPECGRHLLKEGKVHRCNPPLCPA
KRFEAIRHFASRKAMDIQGLGEKLIERLLEKGLVKDVADLYRLRKEDLVGLERMGE
KSAQNLLRQIEESKKRGLERLLYALGLPGVGEVLARNLAARFGNMDRLLLEASLEELL
EVEEVGELTARAILETLKDPAFRDLVRRRLKEAGVEMEAKEKGGEALKGLTFVITGEL
SRPREEVKALLRRLGAKVTDSVSRKTSYLVVGENPGSKLEKARALGVPTLTEEELYR
LLEARTGKKAELV

SEQ ID NO: 80: CAAACCGTACCAACC

SEQ ID NO: 81: ATGCGGAATGTACC

SEQ ID NO: 82: CGCCGGATGGCTCTTGGGAAAC

SEQ ID NO: 83: GTTTCCTCAAGAGCCATCCGGCG

SEQ ID NO: 84: TTGGGAAAC

SEQ ID NO: 85: GTTTCCTCAA

SEQ ID NO: 86: TCTTGAGAGAACCCACTAAC

SEQ ID NO: 87: TCTCAAGAATTTGGTCTTCC

SEQ ID NO: 88: TCTTGAGA

SEQ ID NO: 89:

UCAGCAUUUUUCCCUCAGUUGCCUCCUUGUUUUUUCAAACAGUUUGUUCAUUUC
CGAGUCAGUCAGAUCAAUUGUAUGUUGGUUCUCCAGAGCGACAAGAAGCUCC
GCAUUGUAAGACCAGAGAUCAUUUUUAGUGUCUUAACGUAUUUCUCGAGGU
CCUGAAUUCUCCCUUCUACUUCUGAGAAUCCUUUUUCGAUUUGAUGGAAUUUC
UCGUUCGUCUUCUCGAUUACCCUAUUCAGUUUCCCAUUGAUUUGGUCGAUGGC
UGCUUGAGUGCUUUUAAGAUCUGCUGCUUGUCCUGUGCCCUCGGAAUUUUGA
UGCCUGAAACCGUACCAACCGUCUAUCAUUCUCCUCCCAACCAUUUUCUAUGAA

ACCUGCUAUUGCGCCGAAUAUGCCUCUAGUUUGUUUCUCUGGUACA UCCGCA
UCCCUGUUGCCAACUUCAGAGUGUUUUGCUUAACA UACUUGGG

SEQ ID NO: 90:

GUCCUGGUGUUCACCAUAAGGUGUUACUGUGUCUUGGGAGCACCGCGACCUUU
CGCAACAAUGGCUUGGGCUGUCCCAAAGGACAACAACAAAAAUGCAACGAACC
CACUAACAGUAGAAGUACCAUACA UUGUACAGAAGGGGAAGACCAAUACAC
UGUUUGGGGGUCCA UUCAGAU GACAAAACCCAAAUGAAGAACCUCUAUGGA
GACUCAA AUCCUCAA AAGUUCACCUC AUUCUGCUAAUGGUUUUGCCGACUGAAG
GGACACCCCCAGGGUCCUUGGGGGCAGUCAGGGAG

SEQ ID NO: 91:

AACCTCACTACGTAAGTCTTGACGTAAACGGTTACCCACGTAGACTAGAGTAATA
ACTCGAAAAGGGT

SEQ ID NO: 92:

TCGCTTGA ACTGAGGACTTAGCGCCTAGAACTTGGCTCAGGTAACCAACTGGT

SEQ ID NO: 93: CTAGAAACACCAGTTGGTTACCTG

SEQ ID NO: 94:

CTAGAAACACCAGTTGGTTACCTGAGCCAAGTTTCTAGGCGCTAAGTCCTCAGTT
CAAGCGA

SEQ ID NO: 95: GTTTCTAGTCGCTTGA ACTGAGGA

SEQ ID NO: 96:

GTTCCTAGTCGCTTGA ACTGAGGACTTAGCGCCTAGAACTTGGCTCAGGTAACC
AACTGGTGTTTCTAG

SEQ ID NO: 97:

GCATTCATCACGTTTTTGCGAGTCCTTTCCATCCCAACACAGCAGGGATTCTGA
AGAGATGGGGACAGTT

SEQ ID NO: 98:

GCATTCATCACGTTTTTGCGAGTCCTTTCCATCCCAACACAGCAGGGATTCTGAA
GAGATGGGGACAGTT

SEQ ID NO: 99: TCCATCCCAACTGTCCCCATCT

SEQ ID NO: 100: GGGATGGAGCATT CATCACGTTT

NUCLEIC ACID AMPLIFICATION
Attorney Docket No. 2026.602

SEQ ID NO: 101:

TCCATCCCAACTGTCCCCATCTCTTCAGAATCCCTGCTGTTGGTGGGA7GGAAAG
GACTCGCAAAAACGTGATGAATGC

SEQ ID NO: 102:

TCCATCCCAACTGTCCCCATCTCTTCAGAATCCCTGCTGTTGGTGGGA4GGAAAG
GACTCGCAAAAACGTGATGAATGC

SEQ ID NO: 103:

AAGATGTTTCCTTGGATAAACTAAATAGCAGCATTCA4GAAAGTTAATGAGTGGTT
TTCCAGA

SEQ ID NO: 104:

AAGATGTTTCCTTGGATAAACTAAATAGCAGCATTCCGAAAGTTAATGAGTGGTT
TTCCAGA

SEQ ID NO: 105:

AAGATGTTTCCTTGGATAAACTAAATAGCAGCATTCCGAAAGTTAATGAGTGGTT
TTCCAGA

SEQ ID NO: 106:

AAGATGTTTCCTTGGATAAACTAAATAGCAGCATTCT7GAAAGTTAATGAGTGGTT
TTCCAGA

SEQ ID NO: 107: ATTCAGAATCTGGAAAACCACTC

SEQ ID NO: 108: TTCTGAATAAGATGTTTCCTTGGAT

SEQ ID NO: 109:

AACTTTAAGGACGAACAAGAGAGAAGGTAAACCTACAACCACTACAAACAAAGT
AATATTATCAACAAATAATAACAAACCGAACACAACCAACAAAGT

SEQ ID NO: 110: CTTCCATTTGAAACAACCAACAC

SEQ ID NO: 111: AATGGAAGTTGAAATTCCTGCTTG