

VariSafe™ RNA control sequences

SARS-CoV-2 (Wuhan-Hu-1) N gene, P/N: 1001

ATGCACCCCGCATTACGTTTGGTGGACCCTCAGATTCAACTGGCAGTAACCAGAATGGAGAACGCAGTGGGGCGC
GATCAAAACAACGTCGGCCCCAAGGTTTACCCAATAATACTGCGTCTTGGTTCACCGCTCTCACTCAACATGGCAA
GGAAGACCTTAAATTCCTCGAGGACAAGGCGTTCCAATTAACACCAATAGCAGTCCAGATGACCAAATTGGCTAC
TACCGAAGAGCTACCAGACGAATTCGTGGTGGTGACGGTAAAATGAAAGATCTCAGTCCAAGATGGTATTCTAC
TACCTAGGAACTGGGCCAGA

SARS-CoV-2 (Wuhan-Hu-1) N gene with human RNase P gene (RPP30), P/N: 1002

GAGCTCGAACAACTAAAATGTCTGATAATGGACCCCAAAATCAGCGAAATGCACCCCGCATTACGTTTGGTGGGA
CCCTCAGATTCAACTGGCAGTAACCAGAATGGAGAACGCAGTGGGGCGCGATCAAAACAACGTCGGCCCCAAGG
TTTACCCAATAATACTGCGTCTTGGTTCACCGCTCTCACTCAACATGGCAAGGAAGACCTTAAATTCCTCGAGGAC
AAGGCGTTCCAATTAACACCAATAGCAGTCCAGATGACCAAATTGGCTACTACCGAAGAGCTACCAGACGAATTC
GTGGTGGTGACGGTAAAATGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCTAGGAACTGGGCCAGAAGCTG
GACTTCCCTATGGTGCTAACAAAGACGGCATCATATGGGTTGCAACTGAGGGAGCCTTGAATACACCAAAAGATC
ACATTGGCACCCGCAATCCTGCTAACAAATGCTGCAATCGTGCTACAACCTCCTCAAGGAACAACATTGCCAAAAGG
CTTCTACGCAGAAGGGAGCAGAGGCGGCAGTCAAGCCTTCTCGTTCCTCATCAGTAGTCGCAACAGTTCAAGA
AATTCAACTCCAGGCAGCAGTAGGGGAACCTTCTCCTGCTAGAATGGCTGGCAATGGCGGTGATGCTGCTTTGCTT
TGCTGCTGCTTGACAGATTGAACCAGCTTGAGAGCAAAATGTCTGGTAAAGGCCAACAAACAAGGCCAAAAGT
TCACTAAGAAATCTGCTGCTGAGGCTTCTAAGAAGCCTCGGCAAAACGTAAGTCCACTAAAGCATAACAATGTAAC
ACAAGCTTTCGGCAGACGTGGTCCAGAACAACCCAAAGGAAATTTGGGGACCAGGAACTAATCAGACAAGGAA
CTGATTACAAACATTGGCCGCAAAATGCACAATTTGCCCCAGCGTTCAGCGTTCCTCGGAATGTCGCGCATTGG
CATGGAAGTCACACCTTCGGGAACGTGGAATTCGGCACGAGGTGGGACTTCAGCATGGCGGTGTTTCAGATTTGG
ACCTGCGAGCGGGTTCGACCTGAAGGCTCTGCGCGACTTGTTGGAGACAGCCGCTCACCTGGCTATTCAGTTGTT
GCTATCAATCATATCGTT

FMDV polyprotein (consensus), P/N: 1101

CTCAAGCCTCACTTTAAATCTCTTGGTCAAACCATCACTCCAGCTGACAAAAGCGACAAAGGTTTTGTTCTTGGTCA
CTCCATTACCGATGTCACCTTCTCAAAGACACTTCCACATGGATTATGGAAGTGGGTTTTACAAACCTGTGATGG
CTTCGAAGACCCTCGAGGCTATCCTCTCCTTTGCACGCCGTGGGACCATACAGGAGAAGTTGATCTCCGTGGCAGG
ACTCGCCGTCCACTCTGGACCTGACGAGTACCGCGTCTCTTTGAGCCCTCCAGGGCCTCTTTGAGATTCCAAGCT
ACAGATCACTTTACCTGCGTTGGGTGAACGCCGTGTGCGGTGACGCATAATCCCTCAGATGTCACAATTGGCAGAA
AGAC

FMDV polyprotein (consensus) with *Bos taurus* 18S rDNA, P/N: 1106

GGAAGTGGGTTTTACAAACCTGTGATGGCTTCAAGACCCTCGAGGCTATCCTCTCCTTTGCACGCCGTGGGACCA
TACAGGAGAAGTTGATCTCCGTGGCAGGACTCGCCGTCCACTCTGGACCTGACGAGTACCGGCGTCTCTTTGAGCC
CTTCAGGGCCTCTTTGAGATTCCAAGCTACAGATCACTTTACCTGCGTTGGGTGAACGCCGTGTGCGGTGACGCA

TAATCCCTCAGATGTCACAATTGGCACGGAAGTGGAGCCATGATTAAGAGGGGCGGCCGGGGGCATTTCGTATTGC
GCCGCTAGAGGTGAAATTCTTGGATCGGCCGCAAGACGGACCAGAGCGAAAGCATTGCGCAAGAATGTTTTTTCATTA
ATCAAGAACGAAAGTCGGAGGTTTGAAGACGATCAGATACCGTCGTAGTTCCGACCATAAACGATGCCGACCGGC
GATGCGGCCGGCGTTATCCCATGACCCGCCGGGCAGCTTCCGGGAAACCAAAGTCTTTGGGTTCCGGGGGGAGTA
TGGTT

HIV-1 gag gene, P/N: 1201

ACCCTATAGTGCAGAACATCCAGGGGCAAATGGTACATCAGGCCATATCACCTAGAACTTTAAATGCATGGGTAA
AAGTAGTAGAAGAGAAGGCTTTCAGCCCAGAAGTGATACCCATGTTTTTCAGCATTATCAGAAGGAGCCACCCAC
AAGATTTAAACACCATGCTAAACACAGTGGGGGGACATCAAGCAGCCATGCAAATGTTAAAAGAGACCATCAATG
AGGAAGCTGCAGAATGGGATAGAGTGCATCCAGTGCATGCAGGGCCTATTGCACCAGGCCAGATGAGAGAACCA
AGGGGAAGTGACATAGCAGGAACTACTAGTACCCTTCAGGAACAAATAGGATGGATGACAAATAATCCACCTATC
CCAGTAGGAGAAATTTATAAAAAGATGGATAATCCTGGGATTAAATAA