VNTR loci used for MRSA-MLVA in strain N315 (NC_002745)

The targets for the PCR primers are indicated in bold-blue
Lower case bases represent the flanking region (note that they sometimes contain incomplete repeats)
Upper case bases in bold represent the repeat units (note that some are polymorphic)

VNTR09_01 – N315 – 14 repeats
ATAAGCATTGGAACACCATTATGATG
cattataatgataacatcatctagttatatgaactattcatataaatccctcatatcaaatcaaatatattttcggttgctaatagctt
gctctctatttactaaatcttaaatattacatagtttttctcaagcaatattttttgtgcttgctagatggcttttcatttatgccccattgt
CTGGATTAT
CAGGGTTTG
TAGGTTTTG
CAGGGTTAT
TTGGTTCTAT
CTGGGTGT
TAGGTTAT
CAGGGTTG
TAGGTTAT
CAGGGTTAT
CTGGTTGT
TAGGTTGT
catcgttgccaaatggatatctt
CAATTATTATGTTTTAAGAAAGTTGC

VNTR61_01 - N315 – 2 repeats
AATGCACATGAACACACTAATT
aagcttttaatattttgatgtaatataaagagatataaaacgacgcagtaatatatatatataatattattttctattttctaatggaaattatcttgcttttttaa
aattactgtgcaagttcatatattttc
GGTTCGCCTCGCTTTTTGCGCATAGTACATAAAAAAGGCCCTAACAAACCTGAGGTCACTGCGGTTC
GGTTCGCCTCGCTTTTTGCGCATAGTACATAAAAAAGGCCCTAACAAACCTGAGGTCACTGCGGTTC
ggttcgcctgctcattgctcataaaagccccctaacaacaaagttgtgtaagggcttttaaatgtcagattttttta
AATTGATTATTTAAATTATTTACATTGCC

VNTR61_02 - N315 – 1 repeat
CTGTTGAAAGTATTAGATAGATGTTT
atatgaaatataaaaatatatatatatatattattttattttttatgtattttgatgctattatatataataaatagaagcatataaagaaaaaaacagtgttt
TTTGTGCAGCAACTGCATAAAAGCCTCTAATCACTAAAGGTTAAGGGAACGCAGGTGGAT
gctaaagccaaactgcataaatcctctcaatagtcataaaaaacgtggattaataaaagagagatgtgatatatTT
GTGAAGAAATCCTTTAATTGCC

VNTR67_01 - N315 – 3 repeats
CGTGAATCTCTTTTATAAGAGTGT
gtagggaatggcgttattattgattataagagaactcttaacacgcatcctctgtgattaaAAAGAGATAGGAGGAAAGACATTTTTTAATTTTCTCACACGTTTC
AAAGAGAGAACGCGTCTTGGCGCGTATTTTAAATCAAAACGCTATAAGGCTATTATTACCTTCTTTCGATTT
AAAGAGTGACAAATGTTTACAGTTTTAAAACGCTTTTACTTATTTGCTAATTTTCTCATCTCTCTC
aaagagagttgcatcattgccagcagaaagggcggga
ACGGTATATAATATTAGAGGAGG
VNTR21_01 - N315 – 2 repeats
GATGGTACTGCGACATATG
gtgcgca
GTTTTTTTAGTTGATAAAT
GTTTTTTTAGTTGATAAAT
Gttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt