**R1 80bp repeated unit**

CTTCATTTCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCTCGTCCGCCGGGCTGAC**A**GAGCAAACCAAAA**T**

**T**TTCATTTCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCTCGTCCGCCGGGCTGACGGAGCAAACCAAAAG

CTTCA**CC**TCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCT**T**GTCCGC**T**GGGCTGACGGAGCAAACCAAAAG

ATAAATGGGTTGGTGGGAGTACTCTT**GGCTCCTACTTTGTCAGCTGCACATCTAGTC**ACTATGACTGGGCTATGAAGAAGCTGAAAGCACATCAAAAGAACTGTAAAAATCAGTAAACAATCAGTAGGACTGGCAGCAAAAAAGAAGGCAACAATGGGCAAGTGAGCCACATCCAATGTG**[CTTCATTTCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCTCGTCCGCCGGGCTGACAGAGCAAACCAAAA]**TAGT**[TTCATTTCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCTCGTCCGCCGGGCTGACGGAGCAAACCAAAAG]**AG**[CTTCACCTCGTCCGCCGGGCTGACAGAGTAAATCAAAAGAGTTTCACCTTGTCCGCTGGGCTGACGGAGCAAACCAAAAG]**TAGTTTATCTCGTCCACCGGGTCCACCGGGTCGACGTGGTAAACTAAAAGTTATTTATCTTTTCGACTGGGTCGACAGAGCCAATCCAAAGCGGTTCATTTTATCGACCAAGTCGACAAAGCGAACCTCACGTCATTTCATCCGAGAGTCAGTCTAGCTGTTTATAAAATAAATCGGTCCGTCAACTTAGCTGACAGACCGATTTTGTCTGAACTCATTGATATCTTATTTGCTGTTATCTCCCATTAGTAAGTCTTTTGGTTGCTTACTAAGGAGCGTGATTGAAGCAATGAGGACGGAAACGATGATAATGGCAAGTCCAAAGATGACCACCTTGGTCATATCATCAGGAGATACATGTACATTGAGGCTAGTGAGGGTCTTGTTAAAGCCATCCACTTCAGCCCCGCCTCCAAGATTGGCGCTCTTACCTTCTCGAGCTAGTTTTTCAGCAATACCACTGGTAACTTGTTTTAAAATGCTATTTCCCATCA**CCTTGCTGACAGCACTACCTGCAAAGTAAGC**ACCAATGAAGCT

**R2 Two types of 41bp repeated units within amplicon**

Unit R2\_1

AGCTGTCGCCTCGGTCGAC**A**AAGTGAACGAGAACTGGTTTA

AGCTGTCG**T**CTCGGTCGACG**G**AGTGAA**T**GAGAACT**A**GTTTA

AGCTGTCGCC**C**CGGTCGA**A**GAAGTGAACGAGAA**T**TGGTTT**G**

Unit R2\_2

GATTTACTCTGTCCGAGGGTCGGACAGCTTGC**T**TGAAAAGA

GATTTA**T**TC**C**GTC**T**GAGGGTCGGACAGCTTGCCTGAAAAGA

GATT**C**ACTCTGTCCGAGGGTCGGACAGCTTGCCTGAAAAGA

GATT**C**A**T**TC**C**GTCCGAGGGTCGGACAGCTT**A**CCTGAAAAGA

GAAAAATGGAGAGGTTGAAATCGGAAC**GATTGCGGCTTTGGAGCAGCGTTTTCCGGTTC**AAGACCAAGATTTTCTCTCTGCAAAATTGAATGTGTCGGAGTTAAAGAAAGATATTGAGAAATCGGAATAAAAGGCGGTGGACAAAGTTAGACAAAAGCTTAAATTCCATTCAAAATTCAAAAGAATGATGCCAAAAAGGCTTAAAATCGTGTTGTTAAAAGCACTGATTTTAAGCCTTTTATTTTTCTAAGAAGTCCTTGTAATGAGAATAAGTTCGT**[AGCTGTCGCCTCGGTCGACAAAGTGAACGAGAACTGGTTTA][AGCTGTCGTCTCGGTCGACGGAGTGAATGAGAACTAGTTTA][AGCTGTCGCCCCGGTCGAAGAAGTGAACGAGAATTGGTTT]**GAGCTGTCATTCACATTGACGACCTGCTTGAGAACT**[GATTTACTCTGTCCGAGGGTCGGACAGCTTGCTTGAAAAGA][GATTTATTCCGTCTGAGGGTCGGACAGCTTGCCTGAAAAGA][GATTCACTCTGTCCGAGGGTCGGACAGCTTGCCTGAAAAGA][GATTCATTCCGTCCGAGGGTCGGACAGCTTACCTGAAAAGA]**AATTCATTTCATCCGAGGGTCGGACATATAAAAAATAGTCAGAAAAAGGTGCCAGTTAGTAGACACCTTACATCTTCATGGATTTAATTTTGACTTCATCAGGAGTAACG**CGTAGGGTCTTTTGCCCTGTGTAGGTTACA**AAACCAGGTTTACCACCT

**R3 41bp repeated unit**

GCCCAGCGGACGAAGTGAACTAGTTTTGATTTATA**T**TGTCA

GCC**G**AGCGGA**T**G**GG**GTG**G**A**T**TAGTTTTGATTTATA**C**TGTCA

GCCC**G**GCGGACGAAGTGAACTAGTTTTG**G**TTTAT**TG**TGTCA

CGAACAAGCTTTGTCA**TTGCTCACCGCTTATCGACGATTCAAGAGG**CGGACAAGATTTTGGTTCTCAAAGACGGGCAAATCATTGAGCAAGGAACTCACGAATCGCTTTTAGCTGATAAAGGTTTCTATTACGACTTATATACAAGTCAGTTTGCTAAGAAAGAGGCCTAACGAATAAAGGAGCAAAAGAAAACTCCAATTAAACAATAAAAACACGAACTCTGTCTTTGACTAGTTGCTAGCTAATCTGGACGAGTTCGTGTTTTTCTATCCTTAGCGGCACAAAGCTAAAATGCAATTGCTCTGTCTCACAACTATTTTTTGCTAAATCTTCAAAATTGCATGACATTTCTTCCGTCC**[GCCCAGCGGACGAAGTGAACTAGTTTTGATTTATATTGTCA][GCCGAGCGGATGGGGTGGATTAGTTTTGATTTATACTGTCA][GCCCGGCGGACGAAGTGAACTAGTTTTGGTTTATTGTGTCA]**GCTGGGCGGACGAAGTGAATGAGTTTCAGTTTACTTCGTCGTCCTGGTCGACGGTCTGAACCAGTTTCAGTTTACTTTGTCGCCTCGGTCGACAGCTTCAATCGTTTTCTACGAATTGTTCATTCCGTTAAGTGAAATTACGCCTTATCGAAAGAGGTTAGTAAGCCAAACAATGAAATACAATCCAAGAAAAATAGCGTGCCATTTCCAATAGAGTACAATCAGTCCGATTGTTTCGCGAATC**CAAGCCGACGGGAGAAAATAAAGTGCTGTTCG**GGAACCTAT

**R4 54bp repeated unit**

GTCAGCCGGGCGGACGGACTGCCT**G**AGTTTTAGTTTAT**G**C**T**GTCAGC**C**GAGCGG

GTCAGCCGGGCGGACGGACTGCCT**A**AGTTTTAGTTTAT**A**C**C**GTCAGC**T**GAGCGG

TTTTATCGTGTTGATAAAGCACGGACTCGGCAGACAGGCGGTTTT**GGTCTAGGCTTGTCGCTTGCAAAGCAAATCAC**AGAAGCCCTTAAAGGGACTATTACGGTGAAAGATAATAAGCCGAAAGGAACCATTTTTGAGGTGAAGATTGCCATTAGAACGGACAATAGAAAGAAAAAATAAGTCAGGAATAACTTGTATCCATAGGGGAAAGTTGTTTCGGAAGATGAGAAAAACACGAACAAAGTCAGGATCAGTTGTTGGCTATCTTGATCTGTTCGTGTTTTTATCTTGTTTAAAAGCAGAGTTGAATGGTTGAGGCTGGGATGCCAACGTTGCTTTC**[GTCAGCCGGGCGGACGGACTGCCTGAGTTTTAGTTTATGCTGTCAGCCGAGCGG]**ACGAGTTGTCTAACTTTTAGTTTATGCT**[GTCAGCCGGGCGGACGGACTGCCTAAGTTTTAGTTTATACCGTCAGCTGAGCGG]**CGGACAAGACTCCCAACTTTCCGTTTGCTTCATCGCCCTAATCGACAGAGAGAACGAATTTTGGTTTCAATCTTGCTGTGTTCTTTATTTTATTGCACAGACCAGACA**CTAACTGACTTTTCTGCAACTGGGAAATCTGCCCA**GCCGTCTTTTTTGATTGTCAC

**R5 79bp repeated unit**

CTTGTGAAATGATTGATTTTACTATTTTTCCAAAATAATTTCATGTTTTGATGAAATTTGGTAAAATAGTGTTTAATAG

ACTAGT**GAGCCAGTTGCTCTGTCTCACCAATTTCG**TTCTGCGATTCGTGATTTTGAAAAAGACCCTGATGTAACAGAAGAGCATCTTGATATTATAAAAAGTGAAATGTTTGGTGATTTTTTACATGGACTGAACTCATTAGAATATATTGCCACTCAATACGAAACCTTTTCAGAAGGGGATAATCTATTTGATTTACCAAAAATATTACAGACAATTAGTTTAGTTGATGTGATTGAAATAGGACATCATTTTATTGATT**[CTTGTGAAATGATTGATTTTACTATTTTTCCAAAATAATTTCATGTTTTGATGAAATTTGGTAAAATAGTGTTTAATAG][CTTGTGAAATGATTGATTTTACTATTTTTCCAAAATAATTTCATGTTTTGATGAAATTTGGTAAAATAGTGTTTAATAG]**AAAGAAGGCTAGTGTGTATGAGAAAGAAAACAATCGGTGAAGTCCTGAGGTTAGCTCGTATTAATCAAGGAATGAGCTTGGAAGATTTACAAAAGAAAACAGATATTCAGTTAGAGCTACTGGAAGCTATGGAAGCTGATGATTTTGATC**GTCTTCCCAGTCCTTTCTATGCTCGTTCTTTTC**TAAGAAAATATGCTTGGGCTGTTGATTTAGATGAGCGAATTATTCTTGATGCTTATG

**R6 41bp repeated unit**

CTCGGACGAAGCAAAC**T**TGTTTCAAGGCAA**A**CCGTCTGACC

CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTCTGACC

CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTCTGACC

CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTC**C**GACC

CTCGGAC**A**AAGCAAACCTGTTT**T**AAGGCAAG**T**CGTC**C**GACC

ACATCATCTAAAAATCGAGTGATAAACTGCGTGAATTC**CGCATGGCGGAGACTGCTCACCTGAACATTAAC**TAACTTTCCTTTTGGCATAAAATCCTTTCCTTATTAAAAAATATTTTTTCTTATCTGACCCTCAGATAAGATGAATGACTTTTCTTTATCCTGTCCGAGG**[CTCGGACGAAGCAAACTTGTTTCAAGGCAAACCGTCTGACC][CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTCTGACC][CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTCTGACC][CTCGGACGAAGCAAACCTGTTTCAAGGCAAGCCGTCCGACC][CTCGGACAAAGCAAACCTGTTTTAAGGCAAGTCGTCCGACC]**CTCGGACGAATGAAAAATCATCTCATTTAGTATAACATGAATGGGAAATTATAGGAAATTTTCTGAAAAAGTTCTTTTTCTAACTCTTTCAATCAACATACTTCTTTAGACTTAAGTAAGATGCAATAAAAACTAAAATACTAATTAAGAAAGTTCCGATTAAATCATACATAGGATTACCATAACTTACTTGAAACCATAATATTCTAGCTAAAATGAAAATAGCAACAATAATGAGACTATAACAAAATCTTTTCATACTTTAGAACCACATACAACGACCAAAACTCCATATTAATGACGCTGCTGCCGCTGCTGGCGCCACGTTCTTTAAACCAACTTTCAAAATTAATTTAGCTATTTCTGCTGCTGCTTTACGTTGTAGTAATCCCACAATTCCTCCACTCAATAAAGATGAAACCGCAGAAACTCCTAATGTATCTTGAATAGCTACAACCGCACAATGCCCTATATTAGCACGAAAAGTTATACTAGATTTCACACTCAAATCATCATTCACAATTTTTTCAACATGAGCTAATTCATCACTATAACCATATTTCTCATAAATTGCATTAAAATCTATATTCTTTACTAATCCATCTTGACCATAAACAACAGCATTATCTAAAATATACTGAATAACATCTGTTAAGTGTTTTTCCTCATCACTAACAGTATCAGTTCTAGTAGCAATACCATCAACACTATTCGCATAAATAACAGAAGTTGAGGACGGTATAACTGTTGCACCGATCATAAAAGCTGCTGCAATCGTAAGGAAAATTTTATATAATTTTTTCATAATATATACCTTTTTCTTTATAAAGACAAATACTTTTTAAAAAACAATACTAATTACATCAACATATAGTACATTGGTTTCACCTCTATTCTTTTCACAAATATAAATATCCTTACATTAACTCGGTCGGAAGCCATGGAGCTAAAGATACAGCTACCATTATTGCAAAGAACAAATAAAAAAGATATTTTTTCTTCATCACTTTTTCTCCTTTCATCTATATGATATAATATGATGAAAAGGCATTCACAAAATGCCCACTATTTTCACATTTAATATTTAACACAAGGAGTCGCCTATGCGTTGGGATATTGGCACAGTTTACAAGACGATTCGAAAAGCAAAG**GGAATCACCCAGCAAGAGATTTGCGGAGATTGG**ATTTCTCGCTCCAATCTTTCCAAGTTTGAAAGCAACCAATCCGTTCCCAGCTATGAAACCATGGAATTTC

**R7 82bp repeated unit**

CTAA**G**AA**T**TG**T**TTC**C**C**CA**CGTCTGAGGGTCGGA**T**AAT**T**TTCCT**A**AAAAGT**A**GTTCACTTCGTCCGAGGGTC**A**GATAGCCTGC

CTAAAAAGTAGTTC**A**CT**T**CGTC**C**GAG**A**GTCGGACA**G**TCT**G**CCTGAAAAGTGGTTCACTTCGTC**T**GAGG**C**TCGGATAGCCTGC

CT**G**AAAAG**A**AGTT**TG**CT**C**CGTCTGAGGGTCGGACAA**C**CTTC**AC**GAAAA**TA**G**A**TT**T**ACTTC**A**TCCGAGGGTCGGA**CGA**CCT**AT**

TTGGTTGGCAAGAAAGTCCAAATCGTAGCGAACCTCAA**ACCACGCAAGATGATGGGACGTATCAG**CCAAGGCATGATCCTCTCAGCAGAATATGGTAATCAACTAACTCTGCTCACAGTAGATCAAAATGTACCAAATGGTAGCTTGATTGGGTGAGCCCACAGGAAGATTAGAATTAAAAATGAGCCTGGGACAATAATGTCTCAGCCTCGCTTTGTTTATCGTTCCGGTCAATGGAATAAAAGAAATTGGTAGTCTATTACCTACATCAACGGCTTAT**[CTAAGAATTGTTTCCCCACGTCTGAGGGTCGGATAATTTTCCTAAAAAGTAGTTCACTTCGTCCGAGGGTCAGATAGCCTGC][CTAAAAAGTAGTTCACTTCGTCCGAGAGTCGGACAGTCTGCCTGAAAAGTGGTTCACTTCGTCTGAGGCTCGGATAGCCTGC][CTGAAAAGAAGTTTGCTCCGTCTGAGGGTCGGACAACCTTCACGAAAATAGATTTACTTCATCCGAGGGTCGGACGACCTAT]**TTGAGTAGTAGTTaaaaaaaGGGAGTGAGACAGGACTCCCTTTTGTAGTATAAAACATGATGATGTACTATTCATCTTTATTTAAAAATGAAAATCTCTCCGTCAGGCTCGCCCAATTTCCCCGCATATCGGTCATAAAAGTGGCTGGATTGGGTGTTTTAAAATCATCAATCCAAGCTTGGTAAC**GGATTGAAATGAGGAGCCGAGTTAAGCGG**TTCAGCATTTCTTTTTCTTGCTCGGTA

**R8 63/28bp repeated unit**

TGATTTT**T**GCCATACCAGATGTCAATTGACTATTCTTAC**C**AG**T**CAAGGTCTTA**G**AACCTGAAC

TGATTTTCGCCATACCAGA**C**GTCAA**C**TGACTATTCTTAC**T**AG**C**CAAGGTCTTA**A**AACCTGAAC

TGATTTTCGCCATACCAGATGTCAATTG

GATAGTTTGCCTGCC**CCTGACACAAGAGCTGCAGAGTTGTTCAC**TAATTGACTAGCTCCGTCTGCCAATTTTGCTAAACCAGCGTCAATTTGACCATTATTAGCCGCCAATTGATTAGCTCCAGAAT**[TGATTTTTGCCATACCAGATGTCAATTGACTATTCTTACCAGTCAAGGTCTTAGAACCTGAAC][TGATTTTCGCCATACCAGACGTCAACTGACTATTCTTACTAGCCAAGGTCTTAAAACCTGAAC][TGATTTTCGCCATACCAGATGTCAATTG]**GATAAGGTATTAGCCCCTGCCGTAATCTGCGCAACCCCATTGGTGTAGTCG**GTTACACCTTTTGCTAATCGACCAGCACCC**GTTGCTAAGCTCGTTTG

**R9 28bp repeated unit**

TAGAAAATTTCCATTAT**G**A**C**GGAAATTT

TAGAAAAT**G**TCC**T**TTATAATGGAAATTT

T**TA**AAAATTTCCATTATAAT**A**GA**C**A**AAA**

ACAAGATAGTCAAGCTGACTTAGTTAT**CAAGGGCAAGATTGGAGAAGTGCTGGGTAAGG**TATGGAAAGTAAAAGGATAGTCATTATCAGATCAAATGATGGTTTCAATCATGTGCTTAGCTGTATTTTTTAGAGATAGTCGAT**[TAGAAAATTTCCATTATGACGGAAATTT][TAGAAAATGTCCTTTATAATGGAAATTT][TTAAAAATTTCCATTATAATAGACAAAA]**AGAGGTGAGAAGATGATGTACATTGCTCTTATTGGAGACATTATTGAATCAAAAAAAATA**CAAGATCGAGCGCAGGCACAACAGCAATTG**TTGCAATTGATGAAAGAGTTGAATCAGCAATATCAGAA