

All primers listed 5' to 3'

PrimerOriginalF:

CGGGGCCNNNNNGGCCTGTAAAAACATCATTTAGCGTGACTTTCTTTCAACAG  
CTAACAATTGTTGTTACTGCCTAATGTTTTTAGGGT

PrimerOriginalR

**CGGCCATGGTGCTT****GAGCGTTCAT**GTCTCATCCCCAATCGTTTTTTATCGCCC  
TTTTTTAAAATACCCTAAAAACATTAGGC

PrimerShortF

CGGGGCCNNNNNGGCCTTTAGCGTGACTTTCTTTCAACAGCTAACAATTGTTGT  
AAAAACG

PrimerShortR

**CGGCCATGGT****TGAGCGTTCAT**GTCTCATCCTCCAATCGTTTTTACAACAATTGT

PrimerMedF

CGGGGCCNNNNNGGCCTTTAGCGTGACTTTCTTTCAACAGCTAACAATTGTTGT  
TACTGCCTAATGTAAGGGC

PrimerMedR

**CGGCCATGGT****TGAGCGTTCAT**GTCTCATCCTCCAATCGTTTTTTATCGCCCTTAC  
ATTAGGCAGT

PrimerLongF

CGGGGCCNNNNNGGCCTTTAGCGTGACTTTCTTTCAACAGCTAACAATTGTTGT  
TACTGCCTAATGTTTTTAGGGTATTTTA

PrimerLongR

**CGGCCATGGT****TGAGCGTTCAT**GTCTCATCCTCCAATCGTTTTTTATCGCCCTTTT  
TTAAAATACCCTAAAAACAT

PrimerXmutF

CGGGGCCNNNNNGGCCTTTGGCGCTCCTTTCTTTCAACAGCTAACAATTGTTGT  
AAAAACG

PrimerXmutR

**CGGCCATGGT****TGGGCGCTCAT**GTCTCATCCTCCAATCGTTTTTACAACAATTGT

PrimerSGFPF

CGGCCATGGCGTAAAGGCGAAGAGCTGTTC

PrimerSGFPR

GCCGTCGACTCATCATTTGTACAGTTCATC