



First Round PCR

F16 TCGGATTTCGCACCAGCACGCTA
R16 AGTAGCGTGAAGAGCAGAGAA

Second Round PCR (primers contain Illumina P5 and P7 sequences required for NGS on the NextSeq 500, HiSeq, or GAIIx)

P7-NF16 CAAGCAGAAGACGGCATAACGAGATCGCACCAGCACGCTACGCA
P5-NR16 ACGGCGACCACCGAGATCTACACGCACGACGAGACGCAGACGAATACGACAGAGAACGAGCACCGACAACAACGCAGA

NGS Primer (22 cycles)

FSeq16BC ACGAGATCGCACCAGCACGCTACGCA (HPLC Purified)

Standard shRNA Insert Screening PCR Primers

FwdU6-1 CAAGGCTGTTAGAGAGATAATTGGAA
Rev-cPPT10 TGTATGTCTGTTGCTATTATGTCTAC

Standard Sanger Sequencing Primer

FwdU6-3 ATTAGTACAAAATACGTGACGTAGAA