

**S3 Table.** Primer list used in this study

Primer target	Sequence
Sequencing primer	
<i>EGFR-KDD</i> breakpoint (mRNA)	F 5' - ACC TTG TCA TTC AGG GGG ATG - 3' R 5' - GGG ATC CAG AGT CCC TTA TAC A - 3'
<i>EGFR-KDD</i> breakpoint (gDNA)	F 5' - TCT CTC AAG CTG TGT CTA CTC AT - 3' R 5' - CAC AAC TGC TAA TGG CCC GT - 3'
<i>EGFR</i> kinase domain 1 (mRNA)	F 5' - TAA GAT CCC GTC CAT CGC C - 3' R 5' - GGC TCC ACA AGC AGA GAG CTC A - 3'
<i>EGFR</i> kinase domain 2 (mRNA)	F 5' - TGA GCT CTC TGC TTG TGG AGC C - 3' R 5' - CCA CGG TGG AAT TGT TGC TG - 3'
In-Fusion cloning	
<i>EGFR</i> kinase domain 1 (In-Fusion)	F 5' - TTC GCC AGC ACA GTG GTC GAC ATG CGA CCC TCC GGG ACG - 3' R 5' - GCT CCA CAA GCA GAG AGC TCA GGA GGG GAG TCC - 3'
<i>EGFR</i> kinase domain 2 (In-Fusion)	F 5' - GAG CTC TCT GCT TGT GGA GCC TCT TAC ACC C - 3' R 5' - CAC ACA TTC CAC AGG GTC GAC TCA TGC TCC AAT AAA TTC ACT GC - 3'

Sequencing primers were used for Sanger sequencing of DNA, and infusion cloning primers were used for PCR of cloning templates. *EGFR-KDD*, epidermal growth factor receptor kinase domain duplication.