

**Table S1 Primers used in this study.** Primers were used for PCR, index sequencing (“Index”), or making adapters.

Name	Primer	Type	Barcode
PCR1	CAAGCAGAAGACGGCATAACGAGATCGGTCTCGGCATTCCTGCTGAAC CGCTCTCCGATCT	PCR (no indexing)	NA
PCR1_index1	CAAGCAGAAGACGGCATAACGAGATcgtgatCGGTCTCGGCATTCCTGC TGAACCGCTCTCCGATCT	PCR (indexing)	NA
PCR1_index2	CAAGCAGAAGACGGCATAACGAGATacatcgCGGTCTCGGCATTCCTGC TGAACCGCTCTCCGATCT	PCR (indexing)	NA
PCR1_index3	CAAGCAGAAGACGGCATAACGAGATgcctaaCGGTCTCGGCATTCCTGC TGAACCGCTCTCCGATCT	PCR (indexing)	NA
PCR1_index4	CAAGCAGAAGACGGCATAACGAGATtggtcaCGGTCTCGGCATTCCTGC TGAACCGCTCTCCGATCT	PCR (indexing)	NA
PCR2	AATGATACGGCGACCACCGAGATCTACACTCTTCCCTACACGACGCT CTCCGATCT	PCR (indexing/no indexing)	NA
Seq_index	GATCGGAAGAGCGGTTCAGCAGGAATGCCGAGACCG	Index	NA
ApeK1Y_A1F	ACACTCTTCCCTACACGACGCTCTCCGATCTctcc	Adapter	ctcc
ApeK1Y_A2F	ACACTCTTCCCTACACGACGCTCTCCGATCTgca	Adapter	tgca
ApeK1Y_A3F	ACACTCTTCCCTACACGACGCTCTCCGATCTacta	Adapter	acta
ApeK1Y_A4F	ACACTCTTCCCTACACGACGCTCTCCGATCTcaga	Adapter	caga
ApeK1Y_A5F	ACACTCTTCCCTACACGACGCTCTCCGATCTaact	Adapter	aact
ApeK1Y_A6F	ACACTCTTCCCTACACGACGCTCTCCGATCTgctg	Adapter	gctg
ApeK1Y_A7F	ACACTCTTCCCTACACGACGCTCTCCGATCTcgat	Adapter	cgat
ApeK1Y_A8F	ACACTCTTCCCTACACGACGCTCTCCGATCTgtaa	Adapter	gtaa
ApeK1Y_A9F	ACACTCTTCCCTACACGACGCTCTCCGATCTgcca	Adapter	tgcca
ApeK1Y_A10F	ACACTCTTCCCTACACGACGCTCTCCGATCTcgctt	Adapter	cgctt
ApeK1Y_A11F	ACACTCTTCCCTACACGACGCTCTCCGATCTcacc	Adapter	tcacc
ApeK1Y_A12F	ACACTCTTCCCTACACGACGCTCTCCGATCTctagc	Adapter	ctagc
ApeK1Y_B1F	ACACTCTTCCCTACACGACGCTCTCCGATCTacaaa	Adapter	acaaa
ApeK1Y_B2F	ACACTCTTCCCTACACGACGCTCTCCGATCTtctc	Adapter	ttctc
ApeK1Y_B3F	ACACTCTTCCCTACACGACGCTCTCCGATCTagccc	Adapter	agccc
ApeK1Y_B4F	ACACTCTTCCCTACACGACGCTCTCCGATCTgtatt	Adapter	gtatt
ApeK1Y_B5F	ACACTCTTCCCTACACGACGCTCTCCGATCTctgta	Adapter	ctgta
ApeK1Y_B6F	ACACTCTTCCCTACACGACGCTCTCCGATCTaccgt	Adapter	accgt
ApeK1Y_B7F	ACACTCTTCCCTACACGACGCTCTCCGATCTgctta	Adapter	gctta
ApeK1Y_B8F	ACACTCTTCCCTACACGACGCTCTCCGATCTggtgt	Adapter	ggtgt
ApeK1Y_B9F	ACACTCTTCCCTACACGACGCTCTCCGATCTggtgt	Adapter	ggtgt
ApeK1Y_B10F	ACACTCTTCCCTACACGACGCTCTCCGATCTccagct	Adapter	ccagct
ApeK1Y_B11F	ACACTCTTCCCTACACGACGCTCTCCGATCTtcaga	Adapter	ttcaga
ApeK1Y_B12F	ACACTCTTCCCTACACGACGCTCTCCGATCTtaggaa	Adapter	taggaa
ApeK1Y_C1F	ACACTCTTCCCTACACGACGCTCTCCGATCTgctcta	Adapter	gctcta
ApeK1Y_C2F	ACACTCTTCCCTACACGACGCTCTCCGATCTccacaa	Adapter	ccacaa
ApeK1Y_C3F	ACACTCTTCCCTACACGACGCTCTCCGATCTctcca	Adapter	ctcca
ApeK1Y_C4F	ACACTCTTCCCTACACGACGCTCTCCGATCTgagata	Adapter	gagata
ApeK1Y_C5F	ACACTCTTCCCTACACGACGCTCTCCGATCTatgctt	Adapter	atgctt
ApeK1Y_C6F	ACACTCTTCCCTACACGACGCTCTCCGATCTagtgga	Adapter	agtgga
ApeK1Y_C7F	ACACTCTTCCCTACACGACGCTCTCCGATCTtattttt	Adapter	tattttt
ApeK1Y_C8F	ACACTCTTCCCTACACGACGCTCTCCGATCTcttgctt	Adapter	cttgctt
ApeK1Y_C9F	ACACTCTTCCCTACACGACGCTCTCCGATCTatgaaaac	Adapter	atgaaaac
ApeK1Y_C10F	ACACTCTTCCCTACACGACGCTCTCCGATCTaaaagtt	Adapter	aaaagtt
ApeK1Y_C11F	ACACTCTTCCCTACACGACGCTCTCCGATCTgaattca	Adapter	gaattca
ApeK1Y_C12F	ACACTCTTCCCTACACGACGCTCTCCGATCTgaacttc	Adapter	gaacttc
ApeK1Y_D1F	ACACTCTTCCCTACACGACGCTCTCCGATCTggacctta	Adapter	ggacctta
ApeK1Y_D2F	ACACTCTTCCCTACACGACGCTCTCCGATCTgtcgatt	Adapter	gtcgatt
ApeK1Y_D3F	ACACTCTTCCCTACACGACGCTCTCCGATCTaacgcct	Adapter	aacgcct
ApeK1Y_D4F	ACACTCTTCCCTACACGACGCTCTCCGATCTaatatgc	Adapter	aatatgc
ApeK1Y_D5F	ACACTCTTCCCTACACGACGCTCTCCGATCTacgactac	Adapter	acgactac

ApeK1Y_D6F	ACACTTTTCCCTACACGACGCTCTCCGATCTtagcatgc	Adapter	tagcatgc
ApeK1Y_D7F	ACACTTTTCCCTACACGACGCTCTCCGATCTtaggccat	Adapter	taggccat
ApeK1Y_D8F	ACACTTTTCCCTACACGACGCTCTCCGATCTtgcaagga	Adapter	tgcaagga
ApeK1Y_D9F	ACACTTTTCCCTACACGACGCTCTCCGATCTtggtacgt	Adapter	tggtacgt
ApeK1Y_D10F	ACACTTTTCCCTACACGACGCTCTCCGATCTtctcagtc	Adapter	tctcagtc
ApeK1Y_D11F	ACACTTTTCCCTACACGACGCTCTCCGATCTccggatat	Adapter	ccggatat
ApeK1Y_D12F	ACACTTTTCCCTACACGACGCTCTCCGATCTcgccttat	Adapter	cgccttat
ApeK1Y_E1F	ACACTTTTCCCTACACGACGCTCTCCGATCTaggc	Adapter	aggc
ApeK1Y_E2F	ACACTTTTCCCTACACGACGCTCTCCGATCTgatc	Adapter	gatc
ApeK1Y_E3F	ACACTTTTCCCTACACGACGCTCTCCGATCTtcac	Adapter	tcac
ApeK1Y_E4F	ACACTTTTCCCTACACGACGCTCTCCGATCTaggat	Adapter	aggat
ApeK1Y_E5F	ACACTTTTCCCTACACGACGCTCTCCGATCTattga	Adapter	attga
ApeK1Y_E6F	ACACTTTTCCCTACACGACGCTCTCCGATCTcatct	Adapter	catct
ApeK1Y_E7F	ACACTTTTCCCTACACGACGCTCTCCGATCTcctac	Adapter	cctac
ApeK1Y_E8F	ACACTTTTCCCTACACGACGCTCTCCGATCTgagga	Adapter	gagga
ApeK1Y_E9F	ACACTTTTCCCTACACGACGCTCTCCGATCTggaac	Adapter	ggaac
ApeK1Y_E10F	ACACTTTTCCCTACACGACGCTCTCCGATCTgtcaa	Adapter	gtcaa
ApeK1Y_E11F	ACACTTTTCCCTACACGACGCTCTCCGATCTtaata	Adapter	taata
ApeK1Y_E12F	ACACTTTTCCCTACACGACGCTCTCCGATCTtacet	Adapter	tacet
ApeK1Y_F1F	ACACTTTTCCCTACACGACGCTCTCCGATCTtcgtt	Adapter	tcgtt
ApeK1Y_F2F	ACACTTTTCCCTACACGACGCTCTCCGATCTacctaa	Adapter	acctaa
ApeK1Y_F3F	ACACTTTTCCCTACACGACGCTCTCCGATCTatatgt	Adapter	atatgt
ApeK1Y_F4F	ACACTTTTCCCTACACGACGCTCTCCGATCTatcgta	Adapter	atcgta
ApeK1Y_F5F	ACACTTTTCCCTACACGACGCTCTCCGATCTcatcgt	Adapter	catcgt
ApeK1Y_F6F	ACACTTTTCCCTACACGACGCTCTCCGATCTcgcggt	Adapter	cgcggt
ApeK1Y_F7F	ACACTTTTCCCTACACGACGCTCTCCGATCTctatta	Adapter	ctatta
ApeK1Y_F8F	ACACTTTTCCCTACACGACGCTCTCCGATCTgccagt	Adapter	gccagt
ApeK1Y_F9F	ACACTTTTCCCTACACGACGCTCTCCGATCTggaaga	Adapter	ggaaga
ApeK1Y_F10F	ACACTTTTCCCTACACGACGCTCTCCGATCTgtactt	Adapter	gtactt
ApeK1Y_F11F	ACACTTTTCCCTACACGACGCTCTCCGATCTgttgaa	Adapter	gttgaa
ApeK1Y_F12F	ACACTTTTCCCTACACGACGCTCTCCGATCTtaacga	Adapter	taacga
ApeK1Y_G1F	ACACTTTTCCCTACACGACGCTCTCCGATCTggcta	Adapter	ggcta
ApeK1Y_G2F	ACACTTTTCCCTACACGACGCTCTCCGATCTacgtgtt	Adapter	acgtgtt
ApeK1Y_G3F	ACACTTTTCCCTACACGACGCTCTCCGATCTattaatt	Adapter	attaatt
ApeK1Y_G4F	ACACTTTTCCCTACACGACGCTCTCCGATCTattggat	Adapter	attggat
ApeK1Y_G5F	ACACTTTTCCCTACACGACGCTCTCCGATCTcataagt	Adapter	cataagt
ApeK1Y_G6F	ACACTTTTCCCTACACGACGCTCTCCGATCTcgctgat	Adapter	cgctgat
ApeK1Y_G7F	ACACTTTTCCCTACACGACGCTCTCCGATCTcggtaga	Adapter	cggtaga
ApeK1Y_G8F	ACACTTTTCCCTACACGACGCTCTCCGATCTctacgga	Adapter	ctacgga
ApeK1Y_G9F	ACACTTTTCCCTACACGACGCTCTCCGATCTgcggaat	Adapter	gcggaat
ApeK1Y_G10F	ACACTTTTCCCTACACGACGCTCTCCGATCTtagcggga	Adapter	tagcggga
ApeK1Y_G11F	ACACTTTTCCCTACACGACGCTCTCCGATCTtcaaga	Adapter	tcaaga
ApeK1Y_G12F	ACACTTTTCCCTACACGACGCTCTCCGATCTtctgtga	Adapter	tctgtga
ApeK1Y_H1F	ACACTTTTCCCTACACGACGCTCTCCGATCTtgctgga	Adapter	tgctgga
ApeK1Y_H2F	ACACTTTTCCCTACACGACGCTCTCCGATCTaaccgaga	Adapter	aaccgaga
ApeK1Y_H3F	ACACTTTTCCCTACACGACGCTCTCCGATCTacagggaa	Adapter	acagggaa
ApeK1Y_H4F	ACACTTTTCCCTACACGACGCTCTCCGATCTacgtggta	Adapter	acgtggta
ApeK1Y_H5F	ACACTTTTCCCTACACGACGCTCTCCGATCTccatgggt	Adapter	ccatgggt
ApeK1Y_H6F	ACACTTTTCCCTACACGACGCTCTCCGATCTcgcggaga	Adapter	cgcggaga
ApeK1Y_H7F	ACACTTTTCCCTACACGACGCTCTCCGATCTcgtgtggt	Adapter	cgtgtggt
ApeK1Y_H8F	ACACTTTTCCCTACACGACGCTCTCCGATCTgctgtgga	Adapter	gctgtgga
ApeK1Y_H9F	ACACTTTTCCCTACACGACGCTCTCCGATCTggattggt	Adapter	ggattggt
ApeK1Y_H10F	ACACTTTTCCCTACACGACGCTCTCCGATCTgtgagggt	Adapter	gtgagggt
ApeK1Y_H11F	ACACTTTTCCCTACACGACGCTCTCCGATCTtatcggga	Adapter	tatcggga
ApeK1Y_H12F	ACACTTTTCCCTACACGACGCTCTCCGATCTtctcggga	Adapter	tctcggga
ApeK1Y_A1R	pCWGggagAGATCGGAAGAGCGGTTCCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A2R	pCWGtgcaAGATCGGAAGAGCGGTTCCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A3R	pCWGtagtAGATCGGAAGAGCGGTTCCAGCAGGAATGCCGAG	Adapter	NA

ApeK1Y_A4R	pCWGtctgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A5R	pCWGagttAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A6R	pCWGagcgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A7R	pCWGatcgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A8R	pCWGttacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A9R	pCWGtccaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A10R	pCWGaagcgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A11R	pCWGggtgaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_A12R	pCWGgtagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B1R	pCWGttgtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B2R	pCWGgagaaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B3R	pCWGgggctAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B4R	pCWGaatacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B5R	pCWGtacagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B6R	pCWGacggtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B7R	pCWGtaagcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B8R	pCWGacaccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B9R	pCWGacaaccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B10R	pCWGagctggAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B11R	pCWGtctgaaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_B12R	pCWGttcctaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C1R	pCWGtagagcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C2R	pCWGttgtgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C3R	pCWGtgaagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C4R	pCWGtatctcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C5R	pCWGaggcatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C6R	pCWGtccactAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C7R	pCWGaaaaataAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C8R	pCWGaagcaagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C9R	pCWGgtttcatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C10R	pCWGaaacttttAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C11R	pCWGtgaattcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_C12R	pCWGgaagttcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D1R	pCWGtaggtccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D2R	pCWGaatcgacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D3R	pCWGaggcgttAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D4R	pCWGgcatattAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D5R	pCWGgtagtctAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D6R	pCWGgcatgctaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D7R	pCWGatggcctaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D8R	pCWGtcttgcaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D9R	pCWGgactaccaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D10R	pCWGgactgagaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D11R	pCWGataccggAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_D12R	pCWGataagcgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E1R	pCWGgcctAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E2R	pCWGgatcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E3R	pCWGgtgaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E4R	pCWGatcctAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E5R	pCWGtcaatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E6R	pCWGgatgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E7R	pCWGgttaggAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E8R	pCWGtctcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E9R	pCWGgttccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E10R	pCWGttgacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E11R	pCWGtattaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_E12R	pCWGatgtaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F1R	pCWGaacgaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA

ApeK1Y_F2R	pCWGtttagtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F3R	pCWGacatatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F4R	pCWGtacgatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F5R	pCWGacgatgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F6R	pCWGaccgagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F7R	pCWGtaaatgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F8R	pCWGactggcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F9R	pCWGtcttccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F10R	pCWGgaagtagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F11R	pCWGttcaacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_F12R	pCWGtctgtaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G1R	pCWGtagccaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G2R	pCWGaacacgtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G3R	pCWGaatcaatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G4R	pCWGatccaatAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G5R	pCWGacttatgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G6R	pCWGatcagcgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G7R	pCWGtctaccgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G8R	pCWGtccgtagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G9R	pCWGattccgcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G10R	pCWGtccgctaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G11R	pCWGtcttccaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_G12R	pCWGtccacagaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H1R	pCWGtccagcaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H2R	pCWGtctcggttAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H3R	pCWGttccctgtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H4R	pCWGtaccacgtAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H5R	pCWGaccatggAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H6R	pCWGtctccgagAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H7R	pCWGaccacagcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H8R	pCWGtccacagcAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H9R	pCWGaccaatccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H10R	pCWGaccctcacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H11R	pCWGtcccagataAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA
ApeK1Y_H12R	pCWGtccaggaaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG	Adapter	NA