

Strain ID/Purpose	Primers and Template DNA information
<i>aΔcgnA^{EVOL}; cgnA^{RECON} (cgnA^{RECON})</i>	Template: AF293 genomic DNA 5'-AAAAggcgcgccGAACGCTGTTTGTGACGTA CTCTGTTAT-3' 5' - AAAAttaattAAGCCAGTCAGTCAGGGAAAAGCAAag - 3'
<i>ΔcgnA^{EVOL}; cgnA^{OE}</i>	Template: AF293 genomic DNA 5' - AAAAAAAGGCGCGCCATTGGTATTGATCATCGAGATCATCAAGATTG -3' 5' - AAAAAAAGCGGCCGCTAGCATCCAAGCGGCCTCTCCTCT-3'
<i>ΔhrmA^{EVOL}; bafB^{OE}; ΔcgnA^{EVOL}; bafB^{OE}; AF293 bafB^{OE}; CEA10 bafB^{OE}</i>	Template: CEA10 genomic DNA 5' - AAAAAAAGGCGCGCCatggcttggtatagggccatactcg - 3' 5' - AAAAAAAGCGGCCGCaagcagaccattcagtatacacc - 3'
AF293 <i>bafA^{OE}</i> ; CEA10 <i>bafA^{OE}</i> ; An <i>AfbafA^{OE}</i>	Template: AF293 genomic DNA 5' - AAAAGGCGCGCCatggcttggtatagagccttactc - 3' 5' - AAAAGCGGCCGCTcagcatcacaccggttaaaccattc - 3'
AF293 <i>bafC^{OE}</i> ; CEA10 <i>bafC^{OE}</i>	Template: CEA10 genomic DNA 5'- AAAAGGCGCGCCATGGCTTGGTATGAAGTCTTCGAGC- 3' 5- AAAAGCGGCCGCTATTGATGGGACCGCCTGA - 3'
<i>ΔcgnA^{EVOL}; bafB^{OE-GFP}</i>	Template: GFP plasmid pSD66.1 5' - ggagctggtgcagggcctggagcc - 3' 5' - gaqatagagaattgtgtggatagaggg - 3' Template: CEA10 genomic DNA 5' - atttctgctctccccaccag - 3' 5' -GGCTCCAGCGCCTGCACCAGCTCCgatacacccattaaaccattcgagc - 3' Second round overlap PCR primers: 5' - AAAAAAAGGCGCGCCatggcttggtatagggccatactcg - 3' 5' - AAAAGCGGCCGCaagcattggttgagggcaccggt - 3'
real-time qPCR primers: <i>bafA</i>	5' - GCATACCGTTGTGGAGA - 3'
real-time qPCR primers: <i>bafB</i>	5' - GCCCAGAATGTCTGGTTA - 3'
real-time qPCR primers: <i>bafC</i>	5' - GGAAGAGAGCCTCAATCA - 3'
real-time qPCR primers: <i>actA</i>	5' - TCACTGCCCTTGCTCCCTCGTC - 3'
real-time qPCR primers: <i>tub2</i>	5' - ATAATGTTTCAGACCGCCCTCTGCT -3'
real-time qPCR primers: <i>hrmA</i>	5' - GACGGATGTGGAATTGCCACAAA - 3'
	5' - TCATCGACACGACAGATT - 3'
	5' - ATTCACCGCTGCATAGA - 3'