

TABLE S1. Primers used

Name	Sequence	Purpose
Chang380	5' -CCCCCGGATCCATGAGTGCAATAGAAAATTC-3'	5' primer for cloning MutS Δ 557-853 into pET21a
Chang420	5' -GCCGCTCGAGCAGCACGTCGAGTTCGCCAG-3'	3' primer for cloning MutS Δ 557-853 into pET21a
Chang462	5' -GCCGGAATTCATGAGTGCAATAGAAAATTC-3'	5' primer for cloning MutS into pASK-IBA33plus
Chang465	5' -GAAGCTCGAGCACCAGGCTCTTCAAGCGATA-3'	3' primer for cloning MutS into pASK-IBA33plus
ChangYGSTF	5' -GCGCGCGGATCCATGCAAGCGTCGCAATTTTC-3'	5' primer for cloning MutYM25- Δ 1 into pGEX-4T-2
Chang363	5' -GGACCGCTCGAGCTACTGTTTCGGTTTTTTGCCCCG-3'	3' primer for cloning MutYM25- Δ 1 into pGEX-4T-2
Chang404	5' -AGCCGCGGATCCATTGACAAGACGCCCTAC-3'	5' primer for cloning MutYM25- Δ 2 into pGEX-4T-2
Chang406	5' -CGGCGGCTCGAGTCAGCAGCGCGCCAGCACGCGTTT-3'	3' primer for cloning MutYM25- Δ 2 into pGEX-4T-2
Chang448	5' -GAAGCCATGGGCATGCAAGCGTCGCAATTTTC-3'	5' primer for cloning MutY into pACYCDuet-1
Chang449	5' -GAAGCTCGAGAACCGGCGCGCCAGTGCGTA-3'	3' primer for cloning MutY into pACYCDuet-1
Chang388	5' -CGGCCGCTCGAGTCAGCTATTGTTGGCGGC-3' ^a	MutY primer for RT-PCR
Chang440	5' -CGTCGTATCCGTTCCGTTGG-3'	5' PCR primer for <i>rpoB</i> gene
Chang441	5' -TTCACCCGGATAACATCTCGTC-3'	3' PCR primer for <i>rpoB</i> gene
Chang442	5' -CGTGTAGAGCGTGCGGTGAAA-3'	Sequencing primer for <i>rpoB</i> gene

^a The underlined sequence represents the antisense to MutY amino acids 211-215.