

Supplemental Table 1. Oligonucleotides used in site-directed mutagenesis for MjPurO. Only the sense primers are shown. Introduced restriction sites are underlined, and sequence differences with wild-type are shown in bold.

Oligonucleotide sequences 5' → 3'	Restriction site	Amino acid substitution
C TCA AGT AGG <u>AGC</u> <u>TTT</u> CCA AAC AAA GAG GCA AAG A	<i>Hind III</i>	R31K
C CCA TAT ATC ACA TTC <u>AAC</u> <u>TGC</u> ATA AAG GTT ATT G	<i>Mfe I</i>	Y59F
C CCA TAT ATC ACA TAC <u>AAT</u> GCC ATA AAG GTT ATT G	<i>Mfe I</i>	C61A
TT ATG GAC TAT CAA AAA GAT GAT <u>TAC</u> <u>AAG</u> ACC CCA AG	<i>Psi I</i>	E102Q