

**Table S1.** Oligonucleotides.

<b>Name</b>	<b>Sequence (5'— 3')</b>
GlnB-1F	GGCTTAAGGAGAATTCCCTTGAAGAAG
GlnB-1R	AACTGCAGTCGACGCTGACTTAGATTGCGTCG
PipX-126F	TAAAAACTAGCCGCCCTTGC
PipX-5R	CAGCCCGCAAATCAGCAG
PipX-H9A-1F	CTACCTCAACGCTCCACCTTCG
PipX-H9A-1R	CGAAGGTGGGAGCGTTGAGGTAG
PipX-Y16A-F	CCCACCTTCGGATTGCTCGCCCAAATCTGCAGC
PipX-Y16A-R	GCTGCAGATTTGGGCGAGCAATCCGAAGGTGGG
PipX-R70A-F	CCGTCTGCGCCAGCTGCGCGCAGATGCCAGTCTGCAGGAATA
PipX-R70A-R	TATTCCTGCAGACTGGCATCTGCGCGCAGCTGGCGCAGACGG
PipX-L80Q-F	GCAGGAATACAACCAGCAGCAGCAAGTCTTCAAAC
PipX-L80Q-R	GTTTGAAGACTTGCTGCTGCTGGTTGTATTCCTGC