**S2 Table**. List of primer sequences used in this study.

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| --- | --- | --- |
| **Primer name**  | **Sequence description** | **Purpose** |
| HpPMT4D\_F | gtagcagacaatgccctcaa | Construction of *Hppmt4* mutant |
| HpPMT4D\_R | gatttccaggagactcttgg | "  |
| NheI-HpPMT4\_F | taat**gctagc**tcgttgtctggaattggc | Construction of Flag-tagged *HpPMT4* |
| HpPMT4\_R-AscI | t**ggcgcgcc**tttagcgaaatgcaatttga | " |
| SalI-HpMET3\_F | tgag**gtcgac**tggccaccttgcacacaga | Construction of a conditional *Hppmt1pm4* mutant |
| HpMET3\_R-EcoRI | gt**atcgat**gcattca**gaattc**cattttgggaggagagtcg | " |
| EcoRI-HpPMT4D\_F | ca**gaattc**atggctcctaaacagagg | " |
| HpPMT4D-ClaI\_R | ca**atcgat**ggcctttcttgatgtcca | " |
| BglII-HpWSC1\_pm | cg**agatct**atcttggcaatctcgtcc | Construction of HA-tagged *HpWSC1*  |
| HpWSC1\_R-AscI | tat**ggcgcgccgg**attcttatcgtcgtcggg | " |
| BglII-HpMID2\_pm | cg**agatct**tcgctctgaagtacgaca | Construction of FLAG-tagged *HpMID2*  |
| HpMID2\_R-AscI | tat**ggcgcgcc**aaaagtggtaccgggatt | " |
| BglII-HpPMT1\_F | cg**agatct**gccagtgcaaagaaggac | Construction of Flag-tagged *HpPMT1* |
| HpPMT1\_R-XhoI | attggcact**ctcgag**cac | " |
| HpPMT1F-RT | cgcagacgttggtatcggct | Detection of *HpPMT1* transcript  |
| HpPMT1B-RT | cgtgatctgctgttgcccag | " |
| NCYCHpPMT2F-RT | caacgctttggtgccagacc | Detection of *HpPMT2* transcript  |
| NCYCHpPMT2B-RT | atttcacgttgtcgtcgccc | " |
| HpPMT4F-RT | atcgctccctgaatcctggc | Detection of *HpPMT4* transcript  |
| HpPMT4B-RT | agacccacttcgagccacca | " |
| HpPMT5F-RT | cagagatcggttcgaagcgg | Detection of *HpPMT5* transcript  |
| HpPMT5B-RT | cgtcgtgtccttctgcccat | " |
| HpPMT6F-RT | ccaggtgacgacgtacgggt | Detection of *HpPMT6* transcript  |
| HpPMT6B-RT | ttggtgagctcgtgctgcag | " |
| HpACT1F-RT | tccaggctgtgctgtcgttg | Detection of *HpACT1* transcript  |
| HpACT1B-RT | ccggccaagtcgattctcaa | " |
|  |  |  |
| \* Bold type indicates restriction enzyme sites. |  |