Supplementary File 4. Primers used in this study.

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| Primer | Sequence (5’→3’) | Purpose |
| NpaF | GTCGACGGTATCGATAAGCTTATGAGCCGAAAATTTGATTTTATTAC | Amplification of *npaA1A2A3A4A5* for expression |
| NpaR | CGCTCTAGAACTAGTGGATCCTTATTGGTCGAAGGATATTTCTATATTTT |
| NpaF-DA1 | GTCGACGGTATCGATAAGCTTATGTCTAAACGCTTTGCATTATTGT | Amplification of *npaA2A3A4A5* for expression |
| NpaR-DA1 | CGCTCTAGAACTAGTGGATCCTTATTGGTCGAAGGATATTTCTATATTTT |
| NpaF1-DA2 | GTCGACGGTATCGATAAGCTTATGAGCCGAAAATTTGATTTTATTAC | Amplification of *npaA1A3A4A5* for expression |
| NpaR1-DA2 | GGTTTTCATATTGACCTCTGAAAATCACAGTAAGTTG |
| NpaF2-DA2 | CAGAGGTCAATATGAAAACCATAAATCAACTAATTCAGTC |
| NpaR2-DA2 | CGCTCTAGAACTAGTGGATCCTTATTGGTCGAAGGATATTTCTATATTTT |
| NpaF-DA12 | GTCGACGGTATCGATAAGCTTATGAAAACCATAAATCAACTAATTCAGTC | Amplification of *npaA3A4A5* for expression |
| NpaR-DA12 | CGCTCTAGAACTAGTGGATCCTTATTGGTCGAAGGATATTTCTATATTTT |
| NpaA1-F1 | TAAGAAGGAGATATACATATGTGGAGCCACCCGCAGTTCGA | Amplification of *npaA1* for expression |
| NpaA1-F2 | CAGTTCGAAAAGGATGACGACGACAAGATGAGCCGAAAATTTGATTTTATTAC |
| NpaA1-R | CTCGAGTGCGGCCGCAAGCTTTCACAGTAAGTTGAAGTATTCTTTTTGTTC |
| NpaG-F1 | CAGTTCGAAAAGGATGACGACGACAAGATGGGTACGAACATGAGCAAGAA | Amplification of *npaG* for expression |
| NpaG-F2 | TAAGAAGGAGATATACATATGTGGAGCCACCCGCAGTTCGA |
| NpaG-R | CTCGAGTGCGGCCGCAAGCTTTCAGGCGCAGCGGCTGA |