| Gene         | Accession Number | Primer sequences                | Efficiency |
|--------------|------------------|---------------------------------|------------|
|              |                  | **Forward (5’-3’)**             |            |
| ZmNRT2.1     | AJ344451         | GATCGACGATCACCTATACCTC          |            |
| ZmNRT2.2     | AY659965.1       | GTGGTGTTCCGTGCACCTCC           |            |
| ZmMHA2       | U09989           | TCCGACTGTGTTTTGTGCAG           |            |
| ZmNADH:NADH | M27821           | GGTCCTTTGAGGTGAAGGTGCTG         |            |
| ZmNADPH:NADPH| X64446           | GGACCACGACATGCTCCTAA           |            |
| ZmNiR        | EU957616.1       | TCTCATGGGTCCGTGCAC             |            |
| ZmRPL17      | AF034948         | AAAGTCTCGCAGCTCAGTAAGG         |            |
| ZmGADPH      | XM_020551757     | CCTGCCATCTCATGAGGTGTT          |            |
| ZmTUB        | NM_001174192     | AGGTCAATCTCATCCCTGACG          |            |
|              |                  | **Reverse (5’-3’)**             |            |
| ZmNRT2.1     | AJ344451         | GTGCTCCGTGACATGAG              | 74.7 %     |
| ZmNRT2.2     | AY659965.1       | CTCTCGTCTGCCTCCACT             | 83.6 %     |
| ZmMHA2       | U09989           | CACCAGTCCATCCTCATT             | 87.1 %     |
| ZmNADH:NADH | M27821           | CTCTTGCTGACCTCAAACCTCCTG       | 81.3 %     |
| ZmNADPH:NADPH| X64446           | GACCTTGCTGCCAGGACGTACC         | 89.4 %     |
| ZmNiR        | EU957616.1       | GTAGACGGGAGGCCAGGTG            | 91.5 %     |
| ZmRPL17      | AF034948         | ACCTCAAGCCTTTGACATC            | 80.0 %     |
| ZmGADPH      | XM_020551757     | TGGTAACCGGAAGGGAAGCA           | 93.5 %     |
| ZmTUB        | NM_001174192     | TGAAGTGATCCCTCGGTTGTA          | 95.2 %     |