**Supplementary file 5. Primers used in gene cloning and vector construction**

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| **Gene name** | **Primer** | **Sequences** |
| *redB F* | Forward | 5’-CATATGGAAATTTTAGAATCAATTGATTTTATTG-3' |
| *redB R* | Reverse | 5'-CTCGAGTTAAAACCAAACATCTTGTAAATATCTAC-3' |
| *CYP521A1 F* | Forward | 5'-GGATCCGATGATTTTATTAACACTTTTATATTTAATTAT-3' |
| *CYP521A1 R* | Reverse | 5'-CTGCAGTTATCTTAATTTTAAATCAACTAAAAATG-3' |
| *CYP508C1 F* | Forward | 5'-GGATCCGATGGAATTATTAAATTCTTTACTGTTATTA-3' |
| *CYP508C1 R* | Reverse | 5'-CTGCAGTTATCTTGATTCTAAATTAATTTTATATTTA-3' |
| *BSTF2* | Forward | 5’-GTAGGGAGTTGATTTCAGACTATGCAC-3’ |
| *DdTPS8F* | Forward | 5’-ATGGATTATGATATAAAATTTACTTGGGA-3’ |