

**Supplementary Table S1.** Primer sequence of the studied markers

| Primer     | Sequence                            | Primer    | Sequence                           |
|------------|-------------------------------------|-----------|------------------------------------|
| DXR-R      | 5'-AGAACAAAGGGACCGCCAGC-3'          | Cdsahdr-R | 5'- CCGTCGACCTACACCAATTGCAGGGC-3'  |
| DXR -F     | 5'-ACGGGATTCAATGTTTCGGCTG-3'        | FDS - F   | 5'- TATTCACCG CCG AATTGTTC -3'     |
| FPS-R      | 5'-GACTGCTTTGCTTGGGCGATT-3'         | FDS-R     | 5'- AAGGAT TTCAACACCGCTTG -3'      |
| FPS-F      | 5'-TTTTGGTGCTCCCGAGGTGA-3'          | AMDS-F    | 5'- CACAAGGAAGAGCTCAGCCATGTGTG -3' |
| ADS-R      | 5'-AGTGCCCGTTGTATTTTCG-3'           | AMDS-R    | 5'-TCATTAGGCGTCGACCAAGTATACCT-3'   |
| ADS-F      | 5'-TATGGTTCCGTCTTATGC-3'            | HMGR-F    | 5'- TTGTGTGCGAGGCAGTAAT -3'        |
| TTG1-F     | 5'-CCAGCTTGATGACACCAACGG-3'         | HMGR-R    | 5'- CCTGACCAGTGGCTATAAAGA-3'       |
| TTG1-R     | 5'- CCCACTCCCAGCCCCACTAC-3'         | DBR2-F    | 5'-GGTGGGTCATTAGAAAACCGCTG -3'     |
| CYP71AV1-F | 5'- TTCGTTTACAAGTTCGCTAC-3'         | DBR2-R    | 5'- CCTGACCAGTGGCTATAAAGA -3'      |
| CYP71AV1-R | 5'- TTCGGAGATGACACCACA-3'           | ALDH1-F   | 5'-CACAAGGAAGAGCTCAGCCATGTGTG -3'  |
| Cdsahdr-F  | 5'- CCGGATCCATGGCGTCTTTGCAGCTAAC-3' | ALDH1-R   | 5'-TCATTAGGCGTCGACCA AGTATACCT -3' |