**Table S1 Primer list**

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| **Purpose** | **Primer name** | **Primer sequence (5′-3′)** |
| qRT-PCR | UBC-F | TGTGTGTGTGTGTGTGTGTCC |
| UBC-R | CCTTTCTCCACGGTCTTCAA |
| LcDXR-RT-F | TCCCCCCTGCACGTAGAC |
| LcDXR-RT-R | GCTTCCTTTGCTGGAATCCA |
| LcDXS-RT-F | GAAGGATCGATTGGCGGTT |
| LcDXS-RT-R | AGCCCATTCAAGGCCAAGA |
| LcHMGS1-RT-F | AGGATTGCATGGCTTTCTGT |
| LcHMGS1-RT-R | TGGATTTGCTCTTGTCGATG |
| LcGPPS.SSU1-RT-F | CGCTGAATTTGCTGTCACC |
| LcGPPS.SSU1-RT-R | GAGGAGGTGCCTGAACTGAA |
| LcTPS42-qRT-F | GTTGTCCTCAGCGGCTTCTT |
| LcTPS42-qRT-R | GCTTGGATCGAATGGAGCAT |
| NbDXR-RT-F | CGCTGAATTTGCTGTCACC |
| NbDXR-RT-R | TTCAGTTCAGGCACCTCCTC |
| NbDXS-RT-F | TGAACAGGACAGTGGCTTCA |
| NbDXS-RT-R | AACCCCACGTGACCTTTTCT |
| NbHMGR-RT-F | AAGGTGTACAAAACGTTCTGGATTA |
| NbHMGR-RT-R | ACTTTCTTCACCACTTCTTCCTTG |
| NbHMGS-RT-F | CCGCCTACTTGCCTCCGA |
| NbHMGS-RT-R | CTCGAGACGACCAATTTGCTTA |
| NbGPPS-RT-F | GGCTTGGCATTTCAATTAATAGAC |
| NbGPPS-RT-R | ATCAAATCCTCGGTCCACCA |
| Actin-F | TCCTGATGGGCAAGTGATTAC |
| Actin-R | GAATCCACGAGACCACATACAA |
| Overexpression | LcDXR-1300-F | tcagcagtcgaagagcATGGCTTTGAAATCCCCCCTG |
| LcDXR-1300-R | ttagcgtgtgaagagcAGCCAGGACGGGTCTTTTC |
| Clone | LcDXR-F | ATGGCTTTGAAATCCCCCCTGCAC |
| LcDXR-R | TTAAGCCAGGACGGGTCTTTTCCCAG |
| Enzymatic assays | LcDXR-F | ATGGCTGATATCGGATCCATGGCTTTGAAATCCCCCCTG |
| LcDXR-R | GAGTGCGGCCGCAAGCTTTCAAGCCAGGACGGGTCTTTTC |