

Adverse stimulation of 4-nonylphenol in abnormal reproductive organs of female chickens

SUPPLEMENTARY MATERIALS

Supplementary Table 1: Oligonucleotide primers used in RT-qPCR analysis for gonadal hormone genes expression in HPO axis of gallus

| Gene | ReSeq ID | Sequence of primer | PCR products |
|----------------------|--------------|---|--------------|
| β -actin | L08165 | Forward:5'- CCGCTCTATGAAGGCTACGC -3' Reverse:5'- CTCTCGGCTGTGGTGGTGAA -3' | 128bp |
| GnRH | AY635931 | Forward:5'- GTTCTCCTGTTTACCACGTCT -3' Reverse:5'- TTCCACCAGATTTTCAGCGTTC -3' | 99bp |
| PRLH | NM_001082419 | Forward:5'- AGGAACCCAGACATCGACCC -3' Reverse:5'- CCGTCGCCCCGAATCTCCC -3' | 72bp |
| FSH | AB086952.1 | Forward:5'-TGGTGCTCAGGATACTGCTTCA-3' Reverse:5'-AGATTCAGGATGGTCACCGCAG-3' | 132bp |
| LH | S70834 | Forward: 5'-AACCCGTTTACCGCAGCC-3' Reverse: 5'- GCAGCCCCATAGATCCCAAC-3' | 92bp |
| PRL | AB162003 | Forward: 5'-GGTTCATTCTGGCGATGGTGGA-3' Reverse: 5'-CGGAAGCAATGCAGCAGGTTGT-3' | 120bp |
| P450 _{scc} | NM_001001756 | Forward: 5'-AGCACTTCAAGGGACTGAGC-3' Reverse: 5'- ACTTGGTCCCAACTTCCACC-3' | 147bp |
| P450 _{arom} | S46949 | Forward: 5'- TGATGACATGCCAAACCTCA-3' Reverse: 5'- CCAGCTTGTGCATACGTCCA-3' | 173bp |
| 3 β -HSD | FJ607242 | Forward: 5'- CACAGAAAGCCAGACGCATC-3' Reverse: 5'- AAAGCCCAGCTCCTTGGTCA-3' | 107bp |
| 17 β -HSD | AB002410.1 | Forward: 5'- CAGCTCTACCGCCGCTACCTG-3' Reverse: 5'- GCGATGGCCTCCAAGAACACC-3' | 98bp |
| ER α | AF442965.1 | Forward: 5'-TGTCCTGCCACTAACCA-3' Reverse: 5'- TTTCATCATTCGCCAC-3' | 138bp |
| ER β | AF045149 | Forward: 5'-AACCCGTTTACCGCAGCC-3' Reverse: 5'- GCAGCCCCATAGATCCCAAC-3' | 96bp |
| stAR | NM_204686 | Forward: 5'- AAGCCCTGCAGAAATCACTC -3' Reverse: 5'- TCAGCACTTTGTCTCCGTTG -3' | 87bp |
| PGR | AB265142 | Forward: 5'- GTCAGACTCCAAGTTAGCCA -3' Reverse: 5'- GGAATTAGCCACAACACCCT -3' | 177bp |