

Table S9. Downregulated OR-like genes in the androstenone treatment group compared to control group.

| Gene ID | log2(Fold Change) | P value | Human gene ID | Human gene | Identical to human gene (%) |
|--------------------|-------------------|----------|-----------------|----------------|-----------------------------|
| ENSSSCG00000060054 | -5.2268 | 1.97E-05 | ENSG00000284733 | <i>OR4F29</i> | 83.3333 |
| ENSSSCG00000039436 | -5.19793 | 0.001952 | ENSG00000198678 | <i>OR5BS1P</i> | 81.3505 |
| ENSSSCG00000046333 | -1.94529 | 0.002453 | ENSG00000239590 | <i>OR1J4</i> | 69.0096 |
| ENSSSCG00000058733 | -4.04275 | 0.002566 | ENSG00000197454 | <i>OR2L5</i> | 82.3718 |
| ENSSSCG00000058088 | -4.82097 | 0.003528 | ENSG00000172362 | <i>OR5B12</i> | 82.1656 |
| ENSSSCG00000058680 | -4.52457 | 0.003567 | ENSG00000174667 | <i>OR7D4</i> | 79.4872 |
| ENSSSCG00000056303 | -4.24835 | 0.00419 | ENSG00000177275 | <i>OR2AJ1</i> | 75.9146 |
| ENSSSCG00000059167 | -3.89615 | 0.005203 | ENSG00000258817 | <i>OR4C13</i> | 81.2298 |
| ENSSSCG00000061943 | -3.8045 | 0.008334 | ENSG00000258817 | <i>OR4C13</i> | 79.9353 |
| ENSSSCG00000055049 | -3.873 | 0.010074 | ENSG00000181371 | <i>OR5M8</i> | 77.8135 |
| ENSSSCG00000032427 | -4.95848 | 0.0107 | ENSG00000204701 | <i>OR2J3</i> | 86.4952 |
| ENSSSCG00000062340 | -3.70279 | 0.012627 | ENSG00000239590 | <i>OR1J4</i> | 81.7891 |
| ENSSSCG00000056920 | -3.60718 | 0.012907 | ENSG00000205327 | <i>OR6C68</i> | 80.7692 |
| ENSSSCG00000054065 | -1.90157 | 0.013875 | ENSG00000260811 | <i>OR4C45</i> | 76.1438 |
| ENSSSCG00000060618 | -1.90157 | 0.013875 | ENSG00000260811 | <i>OR4C45</i> | 76.1438 |
| ENSSSCG00000002608 | -3.58102 | 0.014083 | ENSG00000130538 | <i>OR11H1</i> | 83.4921 |
| ENSSSCG00000048467 | -3.58102 | 0.014083 | ENSG00000184140 | <i>OR4F6</i> | 80.1282 |
| ENSSSCG00000053998 | -3.50728 | 0.014692 | ENSG00000260811 | <i>OR4C45</i> | 76.4706 |
| ENSSSCG00000058019 | -3.50728 | 0.014692 | ENSG00000260811 | <i>OR4C45</i> | 76.4706 |
| ENSSSCG00000053334 | -3.43783 | 0.016766 | ENSG00000197454 | <i>OR2L5</i> | 85.2564 |
| ENSSSCG00000027732 | -2.6288 | 0.016876 | ENSG00000239590 | <i>OR1J4</i> | 81.4697 |
| ENSSSCG00000055916 | -3.38805 | 0.0185 | ENSG00000188124 | <i>OR2AG2</i> | 78.481 |
| ENSSSCG00000046773 | -3.38805 | 0.0185 | ENSG00000197887 | <i>OR1S2</i> | 81.0897 |
| ENSSSCG00000035930 | -3.38805 | 0.0185 | ENSG00000174982 | <i>OR4S2</i> | 86.4952 |
| ENSSSCG00000040376 | -3.43649 | 0.018788 | ENSG00000155249 | <i>OR4K1</i> | 88.4244 |
| ENSSSCG00000039981 | -3.35004 | 0.01964 | ENSG00000258817 | <i>OR4C13</i> | 79.6116 |
| ENSSSCG00000013832 | -3.39616 | 0.025173 | ENSG00000127529 | <i>OR7C2</i> | 76.8025 |
| ENSSSCG00000041443 | -4.86953 | 0.025219 | ENSG00000169488 | <i>OR4K15</i> | 92.284 |
| ENSSSCG00000031124 | -3.2684 | 0.025635 | ENSG00000204701 | <i>OR2J3</i> | 85.209 |
| ENSSSCG00000061665 | -4.44704 | 0.028224 | ENSG00000258817 | <i>OR4C13</i> | 78.9644 |
| ENSSSCG00000053476 | -4.44704 | 0.028224 | ENSG00000280314 | <i>OR8K3</i> | 70.8333 |
| ENSSSCG00000052015 | -3.1365 | 0.031638 | ENSG00000127529 | <i>OR7C2</i> | 77.743 |
| ENSSSCG00000048781 | -4.01002 | 0.032494 | ENSG00000182652 | <i>OR4Q3</i> | 82.243 |
| ENSSSCG00000053813 | -4.00656 | 0.032539 | ENSG00000182070 | <i>OR52A1</i> | 80.1282 |
| ENSSSCG00000052403 | -3.81811 | 0.035178 | ENSG00000244623 | <i>OR2AE1</i> | 81.4241 |
| ENSSSCG00000032913 | -3.02841 | 0.035834 | ENSG00000196240 | <i>OR2T2</i> | 86.4198 |
| ENSSSCG00000038894 | -3.02841 | 0.035834 | ENSG00000204701 | <i>OR2J3</i> | 88.1029 |
| ENSSSCG00000039603 | -3.02841 | 0.035835 | ENSG00000181939 | <i>OR4C15</i> | 68.9873 |

Table S9. Downregulated OR-like genes in the androstenone treatment group compared to control group (extend).

| Gene ID | log2(Fold Change) | P value | Human gene stable ID | Human gene | Identical to human gene (%) |
|--------------------|-------------------|----------|----------------------|---------------|-----------------------------|
| ENSSSCG00000033365 | -3.02841 | 0.035835 | ENSG00000181939 | <i>OR4C15</i> | 80.0633 |
| ENSSSCG00000031126 | -3.00816 | 0.036799 | ENSG00000184140 | <i>OR4F6</i> | 83.9744 |
| ENSSSCG00000033981 | -3.43985 | 0.037009 | ENSG00000166884 | <i>OR4D6</i> | 58.9172 |
| ENSSSCG00000062986 | -2.9947 | 0.037501 | ENSG00000197454 | <i>OR2L5</i> | 83.9744 |
| ENSSSCG00000037848 | -2.9947 | 0.037501 | ENSG00000280236 | <i>OR12D2</i> | 82.7362 |
| ENSSSCG00000052877 | -2.9947 | 0.037501 | ENSG00000280236 | <i>OR12D2</i> | 81.1075 |
| ENSSSCG00000035550 | -3.59725 | 0.038938 | ENSG00000155249 | <i>OR4K1</i> | 89.3891 |
| ENSSSCG00000048482 | -3.59725 | 0.038938 | ENSG00000177201 | <i>OR2T12</i> | 72.1875 |
| ENSSSCG00000060285 | -3.5967 | 0.03896 | ENSG00000176495 | <i>OR5AN1</i> | 79.7428 |
| ENSSSCG00000039428 | -4.37778 | 0.03936 | ENSG00000212807 | <i>OR2A42</i> | 81.9355 |
| ENSSSCG00000047332 | -2.96093 | 0.040182 | ENSG00000197454 | <i>OR2L5</i> | 80.7692 |