

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

Gene ID	log <sub>2</sub> (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	log <sub>2</sub> (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