Supplemental Table 1

Gene	Accession Number	Forward Sequence	Reverse Sequence	Ref
17βHSD	NM_001007809	CCTCACTTAATCAGGCTGCTTTG	AAGTTAGGATCAATGTGTAAGGGATTC	
3β1HSD	NM_001135932	CATCATCCACACTGCCTCTATCA	ACAGAAGCTGGGTACCTTTCACA	
3β2HSD	NM_174343	CCTGCTGGAAGGAGACATTCTG	GTGCTGGTGTGGATAAAGACCG	(1)
AKt	NM_173986.2	GACCACGCCCAGCCCCCACCAGT	GGACAAGGACGGCCACATCAAGA	
AR	AF105713.1	CAATGAGTACCGCATGCACAA	GGTGCCTCATTCGGACACA	
CCND2	EU626221.1	CAGAAGGACATTCAGCCCTACAT	CTCACAGACCTCCAGCATCCA	
Cyp11a1	NM_176644	GCAGGGCTCCGGAAAGTT	GGTGATGGACTCAAAGGCAAA	
Cyp17	M12547	TGATGATTGGACACCACCAGTTG	AGAGAGAGAGGCTCGGACAGATC	(2)
Cyp19	NM_174305	CCTCAATACCAGGTCCCAGCTA	GGAACCTGCAGTGGGAAATG	
ESR1	AY033393.1	TCGTCTCGGTTCCGTATGATG	GACAGAAATGTGTACACCCCAGAAT	
ESR2	NM_001009737.1	GCCGACAAGGAACTGGTACAC	CCACGAAGCCCGGAATCT	
FDX1	NM_181011	TGATGGTTTTGGTGCATGTGA	TGCTGTTCAAAGATGAGGTGACA	
FDXR	NM_174691	ACCTGGAGAAAACGGACATCA	CACCGTCTTCACCCGACTCT	
FSHR	NM_001009289.1	CGGTCGAACTGAGGTTTGTTC	GGTCTCCGAATCCTGAAAAGG	
GDF9	NM_174681	TGGCGGCAGGAACCTTT	CAACAGTAACACGATCCAGGTTAAA	
IGF1	NM_001009774.2	AGCGCCACACCGACATG	CCCTCTGCTTGTGTTCTTCAAA	
IGFR1	AF025303.1	TTGAGCTGATGCGCATGTG	GAACGAGGGCCGCATCTT	
IR	XM_590552.4	GACGCAGGCCGGAGATGACCA	GCTCCTGCCCGAAGACCGACTC	(3)
IRS1	XM_581382.3	TGGCACTGGGCGTAGAGGAGAAGG	CGCCCATCAGCTACGCCGACAT	(3)
IRS2	NM_003749.2	CCCGAGAAGGTGGCCCGCATCA	AGCAACACGCCCGAGTCCATC	(3)
LHR	NM_174381	TGCCATCAAGAGAAAAATTTACCA	TCTGCTCTTTTGTTGGCAGGTT	
mTOR	XM_001788228.1	ATCACCCTTGCTCTCCGAACTCTC	CCAGCTCCCGGATCTCAAACACCT	(3)
PGR	Z66555.1	CCAGATATGGTCTATGCAGGACAT	TGTCAGCAGAGAGCTGGAGGTA	
PI3K	NM_174574	TTGTGCAACCTACGTGAATGTAAA	TCTCCTCCATGGTAGATACCTGTTC	
PPARα	NM_001034036	TGAGGGCTGCAAGGGTTTC	CAACTACGGTCACATTTGTCATACAC	
SRD5A1	NM_001099137	CTGGCCCAACTGCATCCT	AAGCTCCGTTGCGCATAGTG	

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Supplemental Table 2. microRNA differentially expressed in control vs testosterone, control vs testosterone plus flutamide, and testosterone vs testosterone plus flutamide treated fetal ovine ovaries.

miRNA	C vs. T FC	C vs TF FC	T vs TF FC
miR-497	3.83	3.71	–
miR-29a	2.98	–	–
miR-193	2.68	–	–
miR-128	2.44	1.91	-2.67
miR-495	2.39	–	–
miR-452	2.34	–	–
miR-141*	2.29	–	–
miR-329	2.27	–	–
miR-192	2.19	–	–
miR-150	2.14	–	–
miR-24-2*	2.12	–	-2.06
miR-15b	2.06	2.93	–
miR-135b	1.96	–	–
miR-455	1.90	2.23	–
miR-101	1.90	–	–
miR-212	1.87	–	–
miR-451	1.85	–	–
miR-186	1.82	–	–
miR-672	1.82	–	–
miR-661	1.80	–	-1.77
miR-376c	1.75	–	–
miR-7	1.67	–	–
miR-376b	1.65	1.71	–
miR-712	1.63	–	–
miR-30b-5p	1.58	–	–
miR-381	1.57	–	–
miR-380-5p	1.55	–	-1.84
miR-496	1.54	–	-1.65
miR-540-3p	1.53	–	–
miR-557	1.53	–	-1.65
miR-554	1.53	–	–
miR-142b-5p	1.53	–	–
miR-22*	1.52	–	–
miR-460	1.52	–	–
miR-206	1.52	-1.56	-1.73
miR-203	1.51	–	–

miR-548f	1.51	–	-1.56
miR-934	1.51	–	-1.61
miR-378	-4.13	–	4.29
miR-193a-5p	-2.86	–	–
miR-760	-2.80	–	–
miR-10a	-2.76	-3.36	–
miR-541*	-2.71	–	–
miR-182	-2.71	–	–
miR-132	-2.49	–	–
miR-129*	-2.22	–	–
miR-727*	-2.12	–	–
miR-532-3p	-1.99	–	–
miR-1247	-1.93	–	–
miR-138	-1.85	–	–
miR-325	-1.76	–	–
miR-138*	-1.75	–	–
miR-1224*	-1.69	–	–
miR-223	-1.69	–	–
miR-667	-1.66	–	–
miR-759	-1.64	–	–
miR-423-5p	-1.60	–	–
miR-939	-1.58	–	–
miR-513b	-1.51	–	–
miR-219-5p	-1.50	–	–
miR-363	–	4.50	–
miR-20b	–	3.24	–
miR-374b	–	2.07	–
miR-736	–	1.98	–
miR-27e	–	1.94	–
miR-365	–	1.88	–
miR-124	–	1.78	–
miR-1181	–	1.74	–
miR-330	–	1.71	–
miR-27c	–	1.71	–
miR-29c	–	1.64	–
miR-29b	–	1.62	–
miR-519*	–	1.61	–
miR-891b	–	1.60	1.54
miR-338-3p	–	1.59	–
miR-886-3p	–	1.59	–

miR-454	–	1.57	–
miR-191*	–	1.56	1.69
miR-218-1*	–	1.56	–
miR-101a*	–	1.53	–
miR-467d	–	1.53	–
miR-105	–	1.52	–
miR-1308	–	-2.89	–
miR-182	–	-2.82	–
miR-1230	–	-2.48	-2.41
miR-450a	–	-1.90	–
miR-133a	–	-1.85	–
miR-1235	–	-1.75	–
miR-1202	–	-1.66	–
miR-471	–	-1.65	–
miR-431	–	-1.63	–
miR-183	–	-1.62	–
miR-568	–	-1.60	–
miR-135a	–	-1.57	–
miR-93*	–	-1.55	–
miR-144	–	-1.54	–
miR-23a*	–	-1.51	–
miR-383	–	–	3.27
miR-467e*	–	–	2.05
miR-21	–	–	1.91
miR-302b*	–	–	1.88
miR-518d	–	–	1.63
miR-721	–	–	1.62
miR-330-5p	–	–	1.58
miR-96	–	–	1.58
miR-502-5p	–	–	1.54
miR-208a	–	–	1.51
miR-714	–	–	-2.33
miR-451	–	–	-2.22
miR-148b*	–	–	-2.10
miR-200a*	–	–	-2.05
miR-715	–	–	-2.01
miR-1305	–	–	-1.85
miR-196b	–	–	-1.75
miR-466j	–	–	-1.66
miR-1191	–	–	-1.65

miR-660	–	–	-1.58
miR-379	–	–	-1.53
miR-146a*	–	–	-1.51

Table 1 References - Supplemental Online Materials.

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