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Fiedler et al., Supplemental Table 4. Low abundance microRNAs present in periovulatory granulosa cells isolated prior to and 4 h after hCG stimulation.

Low Abundance	miRNA sequence[a]	Relative Fluorescence	Chromosome	Old Sanger Nomenclature
mmu-miR-101a	TACAGTACTGTGATAACTGAA(G)	435	4	
mmu-miR-101b	TACAGTACTGTGATAGCTGAAG	685	19	
mmu-miR-10a	**TACCCTGTAGATCCGAATTTGTG**	56	11	
mmu-miR-10b	**TACCCTGTAGAACCGAATTTGTGTG (OV5)**	301	2	
mmu-miR-128-1	TCACAGTGAACCGGTCTCTTT(T)	305	1	mmu-miR-128a
mmu-miR-128-2	TCACAGTGAACCGGTCTCTTT(C)	299	9	mmu-miR-128b
mmu-miR-130b	CAGTGCAATGATGAAAGGGCAT	799	16	
mmu-miR-134	TGTGACTGGTTGACCAGAGGGG	626	12	
mmu-miR-144	TACAGTATAGATGATGTACT(AG)	379	11	
mmu-miR-146a	TGAGAACTGAATTCCATGGGTT	78	11	mmu-miR-146
mmu-miR-146b	TGAGAACTGAATTCCATAGGCT	55	19	
mmu-miR-148a	**TCAGTGCACTACAGAACTTTGT**	528	6	
mmu-miR-148b	TCAGTGCATCACAGAACTTTGT	579	15	
mmu-miR-149	TCTGGCTCCGTGTCTTCACTCCC	121	1	
mmu-miR-150	TCTCCCAACCCTTGTACCAGTG	141	7	
mmu-miR-151-3p	CTAGACTGAGGCTCCTTGAGG	465	15	mmu-miR-151
mmu-miR-154	TAGGTTATCCGTGTTGCCTTCG	363	12	
mmu-miR-155	TTAATGCTAATTGTGATAGGGGT	50	16	
mmu-miR-17*	ACTGCAGTGAGGGCACTTGTAG	151	14	mmu-miR-17-3p
mmu-miR-181c	**AACATTCAACCTGTCGGTGAGT**	95	8	
mmu-miR-186	CAAAGAATTCTCCTTTTGGGCT(T)	113	3	
mmu-miR-188-5p	CATCCCTTGCATGGTGGAGGG(T)	60	X	mmu-miR-188
mmu-miR-18a	**TAAGGTGCATCTAGTGCAGATAG**	626	14	mmu-miR-18
mmu-miR-194	**TGTAACAGCAACTCCATGTGGA**	257	1,19	
mmu-miR-199a-5p	**CCCAGTGTTCAGACTACCTGTTC**	498	1,9	mmu-miR-199a
mmu-miR-199b*	**CCCAGTGTTTAGACTACCTGTTC**	147	2	mmu-miR-199b
mmu-miR-19a	TGTGCAAATCTATGCAAAACTGA	559	14	
mmu-miR-200a	**TAACACTGTCTGGTAACGATGT**	55	4	
mmu-miR-200b	**TAATACTGCCTGGTAATGATGA(C)**	174	4	
mmu-miR-200c	**TAATACTGCCGGGTAATGATGGA**	67	6	
mmu-miR-203	GTGAAATGTTTAGGACCACTAG	59	12	
mmu-miR-205	**TCCTTCATTCCACCGGAGTCTG**	78	1	
mmu-miR-210	CTGTGCGTGTGACAGCGGCTGA	973	7	
mmu-miR-212	TAACAGTCTCCAGTCACGGCCA	788	11	
mmu-miR-216b	(GGG)AAATCTCTGCAGGCAAATGTGA	114	11	
mmu-miR-217	TACTGCATCAGGAACTGACTGGA(T)	111	11	
mmu-miR-221	**AGCTACATTGTCTGCTGGGTTTC**	769	X	
mmu-miR-222	AGCTACATCTGGCTACTGGGT(CTC)	626	X	
mmu-miR-223	TGTCAGTTTGTCAAATACCCCA	179	X	
mmu-miR-28	AAGGAGCTCACAGTCTATTGAG	400	16	
mmu-miR-292-5p	ACTCAAACTGGGGGCTCTTTTG	229	7	
mmu-miR-296-5p	AGGGCCCCCCCTCAATCCTGT	128	2	mmu-miR-296
mmu-miR-298	GGCAGAGGAGGGCTGTTCTTCCC	307	2	
mmu-miR-299*	TGGTTTACCGTCCCACATACAT	801	12	mmu-miR-299
mmu-miR-29b	**TAGCACCATTTGAAATCAGTGTT**	194	1,6	
mmu-miR-29c	**TAGCACCATTTGAAATCGGTTA**	129	1	
mmu-miR-300	TATGCAAGGGCAAGCTCTCTTC	116	12	
mmu-miR-30a*	CTTTCAGTCGGATGTTTGCAGC	287	1	mmu-miR-30a-3p
mmu-miR-31	**AGGCAAGATGCTGGCATAGCTG**	60	4	

mmu-miR-323-3p	**(G)CACATTACACGGTCGACCTCT**	50	12	mmu-miR-323
mmu-miR-324-3p	CCACTGCCCCAGGTGCTGCT(GG)	385	11	
mmu-miR-324-5p	CGCATCCCCTAGGGCATTGGTGT	243	11	
mmu-miR-328	CTGGCCCTCTCTGCCCTTCCGT	404	8	
mmu-miR-329	**AACACACCCAGCTAACCTTTTT**	812	12	
mmu-miR-331-3p	**GCCCCTGGGCCTATCCTAGAA**	145	10	mmu-miR-331
mmu-miR-337-3p	TTCAGCTCCTATATGATGCCT(TT)	335	12	mmu-miR-337
mmu-miR-339-5p	TCCCTGTCCTCCAGGAGCTCACG	67	5	mmu-miR-339
mmu-miR-342-3p	**TCTCACACAGAAATCGCACCCGT(C)**	800	12	mmu-miR-342
mmu-miR-345-5p	**(T)GCTGACCCCTAGTCCAGTGCTT**	109	12	mmu-miR-345
mmu-miR-346	TGTCTGCCCGAGTGCCTGCCTCT	162	14	
mmu-miR-34a	TGGCAGTGTCTTAGCTGGTTGTT	354	4	
mmu-miR-34b-5p	**(T)AGGCAGTGTAATTAGCTGATTGT**	82	9	mmu-miR-34b
mmu-miR-34c	AGGCAGTGTAGTTAGCTGATTGC	331	9	
mmu-miR-350	TTCACAAAGCCCATACACTTTC(A)	756	1	
mmu-miR-362-5p	**AATCCTTGGAACCTAGGTGTGAAT**	77	X	mmu-miR-362
mmu-miR-370	GCCTGCTGGGGTGGAACCTGGT(T)	59	12	
mmu-miR-374	ATATAATACAACCTGCTAAGTG	876	X	mmu-miR-374-5p
mmu-miR-376b	ATCATAGAGGAACATCCACTT(T)	565	12	
mmu-miR-377	ATCACACAAAGGCAACTTTTGT	292	12	
mmu-miR-378	ACTGGACTTGGAGTCAGAAGG(CC)	392	18	mmu-miR-422b
mmu-miR-380-3p	TATGTAGTATGGTCCACATCTT	53	12	
mmu-miR-381	**TATACAAGGGCAAGCTCTCTGT**	68	12	
mmu-miR-382	**GAAGTTGTTCGTGGTGGATTCG**	725	12	
mmu-miR-409-3p	GAATGTTGCTCGGTGAACCCCT(T)	476	12	mmu-miR-409
mmu-miR-410	AATATAACACAGATGGCCTGT(T)	54	12	
mmu-miR-431	TGTCTTGCAGGCCGTCATGCA(GG)	205	12	
mmu-miR-433	ATCATGATGGGCTCCTCGGTGT	608	12	mmu-miR-433-3p
mmu-miR-434-5p	(A)GCTCGACTCATGGTTTGAACCA	289	12	
mmu-miR-450b-3p	ATTGGGAACATTTTGCATGCAT	426	X	mmu-miR-450b*
mmu-miR-455*	TATGTGCCTTTGGACTACATCG	50	4	mmu-miR-455-5p
mmu-miR-466 a,b,c,e-3p	TATACATACACGCACACATAAGA(C)	423	2	mmu-miR-466
mmu-miR-467a*	ATATACATACACACACCTACAC	224	2	mmu-miR-467a
mmu-miR-467b	GTAAGTGCCTGCATGTATATG	99	2	mmu-miR-467*
mmu-miR-467b*	ATATACATACACACACCAACAC	50	2	mmu-miR-467b
mmu-miR-485	AGAGGCTGGCCGTGATGAATTC	60	12	mmu-miR-485-5p
mmu-miR-485*	AGTCATACACGGCTCTCCTCTC	234	12	mmu-miR-485-3p
mmu-miR-487b	AATCGTACAGGGTCATCCACTT	231	12	
mmu-miR-495	AAACAAACATGGTGCACTTCTT	623	12	
mmu-miR-497	CAGCAGCACACTGTGGTTTGTA	740	11	
mmu-miR-501-3p	AATGCACCCGGGCAAGGATTTG	97	X	mmu-miR-501*
mmu-miR-532-5p	CATGCCTTGAGTGTAGGACCGT	539	X	mmu-miR-532
mmu-miR-540-3p	AGGTCAGAGGTCGATCCTGG	50	12	mmu-miR-540
mmu-miR-542-3p	TGTGACAGATTGATAACTGAAA	701	X	
mmu-miR-542-5p	CTCGGGGATCATCATGTCACGA	118	X	
mmu-miR-543	AAACATTCGCGGTGCACTTCTT	325	12	
mmu-miR-615-3p	TCCGAGCCTGGGTCTCCCTCTT	76	15	mmu-miR-615
mmu-miR-652	AATGGCGCCACTAGGGTTGTGCA	870	X	
mmu-miR-665	ACCAGGAGGCTGAGGTCCCT(TA)	75	12	
mmu-miR-667	TGACACCTGCCACCCAGCCCAAG	236	12	
mmu-miR-668	TGTCACTCGGCTCGGCCCACTACC	50	12	

mmu-miR-669a	AGTTGTGTGTGCATGTTCATGT	201	2	
mmu-miR-669c	ATAGTTGTGTGTGGATGTGTGT	287	2	
mmu-miR-674	GCACTGAGATGGGAGTGGTGTA	542	2	
mmu-miR-674*	CACAGCTCCCATCTCAGAACAA	277	2	
mmu-miR-676	CCGTCCTGAGGTTGTTGAGCT	187	X	
mmu-miR-7a	TGGAAGACTAGTGATTTTGTTGT	100	7,13	mmu-miR-7
mmu-miR-714	CGACGAGGGCCGGTCGGTCGC	353	Unknown	
mmu-miR-760	(GAAATT)CGGCTCTGGGTCTGTGGGGA(G)	330	3	
mmu-miR-805	GAATTGATCAGGACATAGGG	627	MT	
rno-miR-192	CTGACCTATGAATTGACAGCC	140	1	
rno-miR-22*	**AAGTTCTTCAGTGGCAAGCTTT (OV15)**	162	10	
rno-miR-409-3p	AATGTTGCTCGGTGAACCCC	322	6	
hsa-mir-411	TAGTAGACCGTATAGCGTACG	657	14	
hsa-mir-421	ATCAACAGACATTAATTGGGCGC	465	X	hsa-mir-421-3p
hsa-mir-483-5p	AAGACGGGAGGAAAGAAGGGAG	472	11	hsa-mir-483
hsa-mir-601	TGGTCTAGGATTGTTGGAGGAG	113	9	
has-mir-612	GCTGGGCAGGGCTTCTGAGCTCCTT	93	11	
hsa-mir-637	ACTGGGGGCTTTCGGGCTCTGCGT	50	19	

These were found on 2 of 2 chips for the 0 and 4 h – were not on 8.2 chip they are included in the list above

mmu-miR-744	TGCGGGGCTAGGGCTAACAGC	1495
mmu-miR-674	GCACTGAGATGGGAGTGGTGTA	542
mmu-miR-674*	CACAGCTCCCATCTCAGAACAA	277
mmu-miR-760	GAAATTCGGCTCTGGGTCTGTGGGGAG	330
mmu-miR-805	GAATTGATCAGGACATAGGG	627

[a] Bold sequences are those microRNAs detected in whole ovarian tissues by Ro et al. [43]. Bases listed in black refer the portion of the microRNA sequence considered to code for the mature form of the microRNA on Sanger versions 8.2-9.0. Bases listed in red are currently considered to code for the mature microRNA but were not thought to be part of the mature form on earlier Sanger versions. In contrast, red sequences within parenthesis are no longer believed to be part of the mature form of the microRNA but were thought to be part of the mature forms on earlier Sanger versions.

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