



Additional Figure S1

Table S1. Unique known bovine mature miRNAs in the libraries from liver tissue of high and low RFI cattle

miRNA ID.	Low RFI library		High RFI library		Average of two libraries	
	RC	CPM	RC	CPM	RC	CPM
<i>bta-miR-143</i>	692736	85974.2	1883457	175612.7	1288096.5	137158.9
<i>bta-miR-30a-5p</i>	539136	66911.2	859054	80097.8	699095	74440.9
<i>bta-miR-122</i>	535909	66510.7	287465	26803.1	411687	43837.2
<i>bta-miR-378</i>	341772	42416.7	305081	28445.6	323426.5	34439
<i>bta-let-7f</i>	277021	34380.6	285630	26632	281325.5	29956.1
<i>bta-miR-148a</i>	159891	19843.8	346010	32261.8	252950.5	26934.6
<i>bta-let-7a-5p</i>	259842	32248.5	172859	16117.3	216350.5	23037.4
<i>bta-miR-192</i>	106160	13175.3	309352	28843.8	207756	22122.2
<i>bta-miR-101</i>	55479	6885.4	244427	22790.3	149953	15967.3
<i>bta-miR-140</i>	98925	12277.4	81434	7592.9	90179.5	9602.5
<i>bta-miR-21-5p</i>	39273	4874.1	139116	12971.1	89194.5	9497.6
<i>bta-miR-30d</i>	97949	12156.3	63107	5884.1	80528	8574.8
<i>bta-miR-2340</i>	80052	9935.1	66378	6189.1	73215	7796.1
<i>bta-let-7b</i>	98033	12166.7	47944	4470.3	72988.5	7771.9
<i>bta-miR-30e-5p</i>	45947	5702.4	99728	9298.6	72837.5	7755.9
<i>bta-miR-24-3p</i>	55651	6906.7	48356	4508.7	52003.5	5537.4
<i>bta-let-7g</i>	40814	5065.4	37961	3539.5	39387.5	4194.1
<i>bta-miR-26a</i>	34314	4258.6	38649	3603.6	36481.5	3884.6
<i>bta-miR-103</i>	40051	4970.7	31093	2899.1	35572	3787.8
<i>bta-miR-27b</i>	44864	5568	26279	2450.2	35571.5	3787.7
<i>bta-miR-127</i>	39439	4894.7	23104	2154.2	31271.5	3329.8
<i>bta-miR-423-5p</i>	46473	5767.7	14950	1393.9	30711.5	3270.2
<i>bta-miR-30c</i>	31144	3865.2	30057	2802.5	30600.5	3258.4
<i>bta-miR-92a</i>	35708	4431.7	22295	2078.8	29001.5	3088.1
<i>bta-miR-152</i>	24291	3014.7	30852	2876.6	27571.5	2935.9
<i>bta-miR-145</i>	30560	3792.7	22396	2088.2	26478	2819.4
<i>bta-miR-191</i>	30755	3816.9	20972	1955.4	25863.5	2754
<i>bta-let-7c</i>	29533	3665.3	15760	1469.5	22646.5	2411.4
<i>bta-miR-194</i>	24257	3010.5	17788	1658.5	21022.5	2238.5
<i>bta-miR-23b-3p</i>	20639	2561.5	19048	1776	19843.5	2113
<i>bta-miR-186</i>	20776	2578.5	17689	1649.3	19232.5	2047.9
<i>bta-miR-151-3p</i>	20077	2491.7	16933	1578.8	18505	1970.4
<i>bta-miR-451</i>	8510	1056.2	22749	2121.1	15629.5	1664.3
<i>bta-miR-193b</i>	17868	2217.6	11363	1059.5	14615.5	1556.3
<i>bta-miR-29a</i>	14498	1799.3	14405	1343.1	14451.5	1538.8

<i>bta-miR-30f</i>	16308	2024	12138	1131.7	14223	1514.5
<i>bta-miR-125b</i>	13918	1727.3	13383	1247.8	13650.5	1453.5
<i>bta-miR-26b</i>	11314	1404.2	9777	911.6	10545.5	1122.9
<i>bta-miR-100</i>	10433	1294.8	9971	929.7	10202	1086.3
<i>bta-miR-30b-5p</i>	6914	858.1	13348	1244.6	10131	1078.8
<i>bta-miR-365-3p</i>	9859	1223.6	10292	959.6	10075.5	1072.9
<i>bta-miR-148b</i>	14899	1849.1	5231	487.7	10065	1071.7
<i>bta-miR-93</i>	11603	1440	7282	679	9442.5	1005.5
<i>bta-let-7d</i>	9114	1131.1	8230	767.4	8672	923.4
<i>bta-miR-23a</i>	7554	937.5	8017	747.5	7785.5	829
<i>bta-let-7i</i>	8951	1110.9	6467	603	7709	820.9
<i>bta-miR-126-5p</i>	3028	375.8	10647	992.7	6837.5	728.1
<i>bta-miR-25</i>	6956	863.3	6179	576.1	6567.5	699.3
<i>bta-miR-126-3p</i>	7816	970	5250	489.5	6533	695.6
<i>bta-miR-339a</i>	6292	780.9	5246	489.1	5769	614.3
<i>bta-miR-320a</i>	7320	908.5	4090	381.3	5705	607.5
<i>bta-let-7e</i>	7633	947.3	3207	299	5420	577.1
<i>bta-miR-99b</i>	7465	926.5	3224	300.6	5344.5	569.1
<i>bta-miR-181a</i>	7101	881.3	3423	319.2	5262	560.3
<i>bta-miR-27a-3p</i>	5065	628.6	5040	469.9	5052.5	538
<i>bta-miR-151-5p</i>	5738	712.1	4270	398.1	5004	532.8
<i>bta-miR-379</i>	4125	511.9	4922	458.9	4523.5	481.7
<i>bta-miR-22-3p</i>	4695	582.7	3987	371.7	4341	462.2
<i>bta-miR-125a</i>	4910	609.4	2808	261.8	3859	410.9
<i>bta-miR-146a</i>	2299	285.3	4752	443.1	3525.5	375.4
<i>bta-miR-16a</i>	3520	436.9	3478	324.3	3499	372.6
<i>bta-miR-2904</i>	4655	577.7	2305	214.9	3480	370.6
<i>bta-miR-99a-5p</i>	3502	434.6	2995	279.3	3248.5	345.9
<i>bta-miR-331</i>	3284	407.6	2952	275.2	3118	332
<i>bta-miR-2284x</i>	4192	520.3	1937	180.6	3064.5	326.3
<i>bta-miR-455-3p</i>	5401	670.3	417	38.9	2909	309.8
<i>bta-miR-199a-3p</i>	2350	291.7	3078	287	2714	289
<i>bta-miR-28</i>	2505	310.9	2673	249.2	2589	275.7
<i>bta-miR-885</i>	3531	438.2	1513	141.1	2522	268.5
<i>bta-miR-423-3p</i>	3054	379	1666	155.3	2360	251.3
<i>bta-miR-2285t</i>	1275	158.2	3252	303.2	2263.5	241
<i>bta-miR-342</i>	2666	330.9	1764	164.5	2215	235.9
<i>bta-miR-2285i</i>	1923	238.7	2471	230.4	2197	233.9
<i>bta-miR-199a-5p</i>	2595	322.1	1623	151.3	2109	224.6
<i>bta-miR-10a</i>	2006	249	1869	174.3	1937.5	206.3
<i>bta-miR-185</i>	1727	214.3	2007	187.1	1867	198.8

<i>bta-miR-486</i>	2406	298.6	1280	119.3	1843	196.2
<i>bta-miR-411a</i>	1470	182.4	2154	200.8	1812	192.9
<i>bta-miR-139</i>	2244	278.5	1376	128.3	1810	192.7
<i>bta-miR-505</i>	2090	259.4	1415	131.9	1752.5	186.6
<i>bta-miR-17-5p</i>	1630	202.3	1864	173.8	1747	186
<i>bta-miR-106b</i>	1125	139.6	2036	189.8	1580.5	168.3
<i>bta-miR-15a</i>	1358	168.5	1800	167.8	1579	168.1
<i>bta-miR-32</i>	431	53.5	2664	248.4	1547.5	164.8
<i>bta-miR-146b</i>	1628	202	1356	126.4	1492	158.9
<i>bta-miR-206</i>	974	120.9	1926	179.6	1450	154.4
<i>bta-miR-200c</i>	1623	201.4	1168	108.9	1395.5	148.6
<i>bta-miR-708</i>	472	58.6	2109	196.6	1290.5	137.4
<i>bta-miR-98</i>	960	119.1	1533	142.9	1246.5	132.7
<i>bta-miR-215</i>	426	52.9	2015	187.9	1220.5	130
<i>bta-miR-3432</i>	1591	197.5	821	76.5	1206	128.4
<i>bta-miR-361</i>	1539	191	854	79.6	1196.5	127.4
<i>bta-miR-1940</i>	943	117	1394	130	1168.5	124.4
<i>bta-miR-150</i>	1435	178.1	830	77.4	1132.5	120.6
<i>bta-miR-2484</i>	1580	196.1	620	57.8	1100	117.1
<i>bta-miR-200b</i>	1438	178.5	740	69	1089	116
<i>bta-miR-195</i>	839	104.1	1306	121.8	1072.5	114.2
<i>bta-miR-193a-3p</i>	405	50.3	1725	160.8	1065	113.4
<i>bta-miR-29b</i>	418	51.9	1588	148.1	1003	106.8
<i>bta-miR-374b</i>	1085	134.7	913	85.1	999	106.4
<i>bta-miR-22-5p</i>	609	75.6	1314	122.5	961.5	102.4
<i>bta-miR-326</i>	1131	140.4	705	65.7	918	97.8
<i>bta-miR-130a</i>	682	84.6	1136	105.9	909	96.8
<i>bta-miR-197</i>	1372	170.3	445	41.5	908.5	96.7
<i>bta-miR-2285f</i>	651	80.8	1164	108.5	907.5	96.6
<i>bta-miR-15b</i>	1274	158.1	502	46.8	888	94.6
<i>bta-miR-1307</i>	1173	145.6	473	44.1	823	87.6
<i>bta-miR-16b</i>	840	104.3	802	74.8	821	87.4
<i>bta-miR-1839</i>	748	92.8	883	82.3	815.5	86.8
<i>bta-miR-181b</i>	951	118	674	62.8	812.5	86.5
<i>bta-miR-19b</i>	400	49.6	1062	99	731	77.8
<i>bta-miR-374a</i>	395	49	992	92.5	693.5	73.8
<i>bta-miR-199c</i>	682	84.6	704	65.6	693	73.8
<i>bta-miR-133a</i>	548	68	829	77.3	688.5	73.3
<i>bta-miR-2487</i>	919	114.1	439	40.9	679	72.3
<i>bta-miR-381</i>	632	78.4	663	61.8	647.5	68.9
<i>bta-miR-425-5p</i>	803	99.7	460	42.9	631.5	67.2

<i>bta-miR-182</i>	521	64.7	733	68.3	627	66.8
<i>bta-miR-193a-5p</i>	720	89.4	524	48.9	622	66.2
<i>bta-miR-424-5p</i>	242	30	849	79.2	545.5	58.1
<i>bta-miR-874</i>	706	87.6	290	27	498	53
<i>bta-miR-532</i>	500	62.1	425	39.6	462.5	49.2
<i>bta-miR-31</i>	642	79.7	264	24.6	453	48.2
<i>bta-miR-223</i>	576	71.5	326	30.4	451	48
<i>bta-miR-6120-3p</i>	296	36.7	591	55.1	443.5	47.2
<i>bta-miR-452</i>	440	54.6	425	39.6	432.5	46.1
<i>bta-miR-10b</i>	402	49.9	402	37.5	402	42.8
<i>bta-miR-155</i>	475	59	295	27.5	385	41
<i>bta-miR-652</i>	468	58.1	276	25.7	372	39.6
<i>bta-miR-6119-5p</i>	194	24.1	547	51	370.5	39.5
<i>bta-miR-769</i>	444	55.1	263	24.5	353.5	37.6
<i>bta-miR-484</i>	465	57.7	241	22.5	353	37.6
<i>bta-miR-1249</i>	295	36.6	395	36.8	345	36.7
<i>bta-miR-497</i>	374	46.4	304	28.3	339	36.1
<i>bta-miR-744</i>	373	46.3	205	19.1	289	30.8
<i>bta-miR-1468</i>	343	42.6	209	19.5	276	29.4
<i>bta-miR-107</i>	318	39.5	229	21.4	273.5	29.1
<i>bta-miR-494</i>	380	47.2	158	14.7	269	28.6
<i>bta-miR-328</i>	346	42.9	188	17.5	267	28.4
<i>bta-miR-200a</i>	249	30.9	283	26.4	266	28.3
<i>bta-miR-210</i>	317	39.3	212	19.8	264.5	28.2
<i>bta-miR-376e</i>	261	32.4	266	24.8	263.5	28.1
<i>bta-miR-6529</i>	391	48.5	113	10.5	252	26.8
<i>bta-miR-204</i>	314	39	187	17.4	250.5	26.7
<i>bta-miR-214</i>	339	42.1	158	14.7	248.5	26.5
<i>bta-miR-7</i>	136	16.9	359	33.5	247.5	26.4
<i>bta-miR-128</i>	225	27.9	260	24.2	242.5	25.8
<i>bta-miR-483</i>	232	28.8	241	22.5	236.5	25.2
<i>bta-miR-660</i>	254	31.5	215	20	234.5	25
<i>bta-miR-29c</i>	129	16	324	30.2	226.5	24.1
<i>bta-miR-375</i>	343	42.6	104	9.7	223.5	23.8
<i>bta-miR-365-5p</i>	261	32.4	170	15.9	215.5	22.9
<i>bta-miR-380-3p</i>	312	38.7	103	9.6	207.5	22.1
<i>bta-miR-183</i>	242	30	161	15	201.5	21.5
<i>bta-miR-34a</i>	210	26.1	193	18	201.5	21.5
<i>bta-miR-345-3p</i>	205	25.4	190	17.7	197.5	21
<i>bta-miR-345-5p</i>	230	28.5	152	14.2	191	20.3
<i>bta-miR-2887</i>	312	38.7	67	6.2	189.5	20.2

<i>bta-miR-221</i>	210	26.1	164	15.3	187	19.9
<i>bta-miR-6523</i>	212	26.3	161	15	186.5	19.9
<i>bta-miR-2285k</i>	163	20.2	205	19.1	184	19.6
<i>bta-miR-142-5p</i>	88	10.9	279	26	183.5	19.5
<i>bta-miR-1306</i>	215	26.7	143	13.3	179	19.1
<i>bta-miR-495</i>	208	25.8	142	13.2	175	18.6
<i>bta-miR-574</i>	222	27.6	127	11.8	174.5	18.6
<i>bta-miR-141</i>	82	10.2	231	21.5	156.5	16.7
<i>bta-miR-1246</i>	179	22.2	101	9.4	140	14.9
<i>bta-miR-2285g</i>	79	9.8	200	18.6	139.5	14.9
<i>bta-miR-2285q</i>	72	8.9	205	19.1	138.5	14.7
<i>bta-miR-2284y</i>	169	21	103	9.6	136	14.5
<i>bta-let-7a-3p</i>	17	2.1	250	23.3	133.5	14.2
<i>bta-miR-450a</i>	107	13.3	155	14.5	131	13.9
<i>bta-miR-455-5p</i>	108	13.4	147	13.7	127.5	13.6
<i>bta-miR-99a-3p</i>	169	21	84	7.8	126.5	13.5
<i>bta-miR-432</i>	201	24.9	51	4.8	126	13.4
<i>bta-miR-362-5p</i>	155	19.2	93	8.7	124	13.2
<i>bta-miR-500</i>	140	17.4	105	9.8	122.5	13
<i>bta-miR-95</i>	136	16.9	105	9.8	120.5	12.8
<i>bta-miR-2419-5p</i>	141	17.5	88	8.2	114.5	12.2
<i>bta-miR-92b</i>	140	17.4	89	8.3	114.5	12.2
<i>bta-miR-369-3p</i>	89	11	140	13.1	114.5	12.2
<i>bta-miR-502a</i>	170	21.1	52	4.8	111	11.8
<i>bta-miR-149-5p</i>	164	20.4	54	5	109	11.6
<i>bta-miR-142-3p</i>	29	3.6	184	17.2	106.5	11.3
<i>bta-miR-17-3p</i>	106	13.2	92	8.6	99	10.5
<i>bta-miR-450b</i>	44	5.5	148	13.8	96	10.2
<i>bta-miR-3613</i>	18	2.2	171	15.9	94.5	10.1
<i>bta-miR-224</i>	111	13.8	73	6.8	92	9.8
<i>bta-miR-378c</i>	82	10.2	101	9.4	91.5	9.7
<i>bta-miR-222</i>	112	13.9	63	5.9	87.5	9.3
<i>bta-miR-154b</i>	127	15.8	35	3.3	81	8.6
<i>bta-miR-154c</i>	94	11.7	67	6.2	80.5	8.6
<i>bta-miR-655</i>	107	13.3	51	4.8	79	8.4
<i>bta-miR-493</i>	111	13.8	45	4.2	78	8.3
<i>bta-miR-132</i>	97	12	53	4.9	75	8
<i>bta-miR-382</i>	84	10.4	64	6	74	7.9
<i>bta-miR-199b</i>	59	7.3	89	8.3	74	7.9
<i>bta-miR-543</i>	94	11.7	49	4.6	71.5	7.6
<i>bta-miR-33a</i>	22	2.7	120	11.2	71	7.6

<i>bta-miR-378b</i>	64	7.9	77	7.2	70.5	7.5
<i>bta-miR-1343-3p</i>	99	12.3	41	3.8	70	7.5
<i>bta-miR-1434-5p</i>	105	13	30	2.8	67.5	7.2
<i>bta-miR-877</i>	128	15.9	6	0.6	67	7.1
<i>bta-miR-3431</i>	71	8.8	59	5.5	65	6.9
<i>bta-miR-429</i>	62	7.7	66	6.2	64	6.8
<i>bta-miR-2285b; bta-miR-2285u</i>	26	3.2	92	8.6	59	6.3
<i>bta-miR-338</i>	51	6.3	65	6.1	58	6.2
<i>bta-miR-2468</i>	31	3.8	82	7.6	56.5	6
<i>bta-miR-144</i>	8	1	105	9.8	56.5	6
<i>bta-miR-181c</i>	62	7.7	49	4.6	55.5	5.9
<i>bta-miR-130b</i>	46	5.7	65	6.1	55.5	5.9
<i>bta-miR-542-5p</i>	71	8.8	38	3.5	54.5	5.8
<i>bta-miR-2284z</i>	63	7.8	45	4.2	54	5.8
<i>bta-miR-18a</i>	45	5.6	63	5.9	54	5.8
<i>bta-miR-296</i>	78	9.7	29	2.7	53.5	5.7
<i>bta-miR-129-5p</i>	61	7.6	46	4.3	53.5	5.7
<i>bta-miR-2336</i>	13	1.6	89	8.3	51	5.4
<i>bta-miR-6123</i>	68	8.4	31	2.9	49.5	5.3
<i>bta-miR-27a-5p</i>	51	6.3	48	4.5	49.5	5.3
<i>bta-miR-2285r</i>	29	3.6	68	6.3	48.5	5.2
<i>bta-miR-491</i>	65	8.1	28	2.6	46.5	5
<i>bta-miR-181d</i>	49	6.1	41	3.8	45	4.8
<i>bta-miR-1388-3p</i>	66	8.2	23	2.1	44.5	4.7
<i>bta-miR-9-5p</i>	30	3.7	59	5.5	44.5	4.7
<i>bta-miR-487b</i>	57	7.1	31	2.9	44	4.7
<i>bta-miR-299</i>	76	9.4	9	0.8	42.5	4.5
<i>bta-miR-2285o</i>	20	2.5	62	5.8	41	4.4
<i>bta-miR-184</i>	35	4.3	46	4.3	40.5	4.3
<i>bta-miR-34c</i>	47	5.8	32	3	39.5	4.2
<i>bta-miR-24</i>	26	3.2	51	4.8	38.5	4.1
<i>bta-miR-1296</i>	58	7.2	18	1.7	38	4
<i>bta-miR-411c-5p</i>	56	7	20	1.9	38	4
<i>bta-miR-324</i>	41	5.1	35	3.3	38	4
<i>bta-miR-410</i>	46	5.7	28	2.6	37	3.9
<i>bta-miR-1388-5p</i>	34	4.2	34	3.2	34	3.6
<i>bta-miR-335</i>	18	2.2	49	4.6	33.5	3.6
<i>bta-miR-136</i>	11	1.4	56	5.2	33.5	3.6
<i>bta-miR-6521</i>	53	6.6	12	1.1	32.5	3.5
<i>bta-miR-376b</i>	19	2.4	46	4.3	32.5	3.5
<i>bta-miR-2440</i>	37	4.6	26	2.4	31.5	3.4

<i>bta-miR-671</i>	28	3.5	34	3.2	31	3.3
<i>bta-miR-33b</i>	1	0.1	61	5.7	31	3.3
<i>bta-miR-96</i>	14	1.7	45	4.2	29.5	3.1
<i>bta-miR-218</i>	21	2.6	37	3.4	29	3.1
<i>bta-miR-19a</i>	20	2.5	37	3.4	28.5	3
<i>bta-miR-133b</i>	14	1.7	43	4	28.5	3
<i>bta-miR-2435</i>	16	2	40	3.7	28	3
<i>bta-miR-2415-3p</i>	35	4.3	20	1.9	27.5	2.9
<i>bta-miR-6517</i>	29	3.6	23	2.1	26	2.8
<i>bta-miR-6119-3p</i>	6	0.7	45	4.2	25.5	2.7
<i>bta-miR-20b</i>	32	4	15	1.4	23.5	2.5
<i>bta-miR-2312</i>	21	2.6	25	2.3	23	2.4
<i>bta-miR-129-3p</i>	23	2.9	22	2.1	22.5	2.4
<i>bta-miR-2411-5p</i>	23	2.9	22	2.1	22.5	2.4
<i>bta-miR-677</i>	22	2.7	23	2.1	22.5	2.4
<i>bta-miR-1271</i>	27	3.4	17	1.6	22	2.3
<i>bta-miR-301a</i>	6	0.7	32	3	19	2
<i>bta-miR-329a</i>	28	3.5	7	0.7	17.5	1.9
<i>bta-miR-421</i>	18	2.2	16	1.5	17	1.8
<i>bta-miR-6524</i>	9	1.1	25	2.3	17	1.8
<i>bta-miR-499</i>	15	1.9	17	1.6	16	1.7
<i>bta-miR-2332</i>	19	2.4	12	1.1	15.5	1.7
<i>bta-miR-490</i>	18	2.2	12	1.1	15	1.6
<i>bta-miR-425-3p</i>	20	2.5	8	0.7	14	1.5
<i>bta-miR-340</i>	13	1.6	13	1.2	13	1.4
<i>bta-miR-665</i>	15	1.9	9	0.8	12	1.3
<i>bta-miR-138</i>	8	1	16	1.5	12	1.3
<i>bta-miR-1291</i>	22	2.7	0	0	11	1.2
<i>bta-miR-2478</i>	12	1.5	10	0.9	11	1.2
<i>bta-miR-2308</i>	8	1	13	1.2	10.5	1.1
<i>bta-miR-654</i>	6	0.7	15	1.4	10.5	1.1
<i>bta-miR-1260b</i>	11	1.4	9	0.8	10	1.1
<i>bta-miR-190a</i>	1	0.1	19	1.8	10	1.1
<i>bta-miR-2404</i>	13	1.6	6	0.6	9.5	1
<i>bta-miR-433</i>	12	1.5	7	0.7	9.5	1
<i>bta-miR-2431-3p</i>	10	1.2	9	0.8	9.5	1
<i>bta-miR-2284w</i>	9	1.1	10	0.9	9.5	1
<i>bta-miR-30b-3p</i>	18	2.2	0	0	9	1
<i>bta-miR-370</i>	18	2.2	0	0	9	1
<i>bta-miR-2285c</i>	0	0	18	1.7	9	1
<i>bta-miR-2316</i>	11	1.4	7	0.7	9	1



<i>bta-miR-485</i>	17	2.1	0	0	8.5	0.9
<i>bta-miR-503-3p</i>	7	0.9	9	0.8	8	0.9
<i>bta-miR-409a</i>	9	1.1	6	0.6	7.5	0.8
<i>bta-miR-2285s</i>	0	0	13	1.2	6.5	0.7
<i>bta-miR-411c-3p</i>	0	0	13	1.2	6.5	0.7
<i>bta-miR-2285e</i>	0	0	12	1.1	6	0.6
<i>bta-miR-6536</i>	0	0	12	1.1	6	0.6
<i>bta-miR-2346</i>	12	1.5	0	0	6	0.6
<i>bta-miR-2299-5p</i>	0	0	11	1	5.5	0.6
<i>bta-miR-2387</i>	11	1.4	0	0	5.5	0.6
<i>bta-miR-1185</i>	0	0	10	0.9	5	0.5
<i>bta-miR-1277</i>	0	0	10	0.9	5	0.5
<i>bta-miR-2284j</i>	0	0	10	0.9	5	0.5
<i>bta-miR-502b</i>	9	1.1	0	0	4.5	0.5
<i>bta-miR-6520</i>	9	1.1	0	0	4.5	0.5
<i>bta-miR-339b</i>	8	1	0	0	4	0.4
<i>bta-miR-188</i>	0	0	8	0.7	4	0.4
<i>bta-miR-2320-5p</i>	0	0	8	0.7	4	0.4
<i>bta-miR-2474</i>	0	0	7	0.7	3.5	0.4
<i>bta-miR-592</i>	0	0	7	0.7	3.5	0.4
<i>bta-miR-1814c</i>	0	0	6	0.6	3	0.3
<i>bta-miR-2411-3p</i>	0	0	6	0.6	3	0.3
<i>bta-miR-376c</i>	0	0	6	0.6	3	0.3
<i>bta-miR-2388-3p</i>	6	0.7	0	0	3	0.3

RC = Read counts; CPM = read count per million mapped reads

Table S2. Unique putative homolog miRNAs identified in bovine liver tissue, their sequence and genomic location in bovine genome.

miRNA ID	Homologous miRNAs	Read sequence	align-Length	No-Match	Read ID	strand	genomic Location in the bovine genome		
miR159c-3p	ath-miR159c#aly-miR159c-3p	TTTGGATTGAAGGGAGCATCTCGTAT	17	1	17451#10.0	+	chr21	59815294	15:A>G,19:T>C,22:T>G,23:G>T,24:G>A,25:G>T
					17451#10.0	-	chrUn.004.2394	5868	6:G>A,19:T>G,20:T>A,21:T>G,22:A>C,24:C>T,25:T>A
					17451#10.0	-	chr16	67800907	6:G>A,19:T>G,20:T>A,21:T>G,22:A>C,24:C>T,25:T>A
miR-2779	bmo-miR-2779	TTTCCGGCTCGAAGGACCAATCTCGT	19	1	35395#31.0	+	chr29	9406605	10:C>G,19:G>A,20:G>T,22:G>T,23:G>C,24:T>G,25:G>T
miR-2779	bmo-miR-2779	TTTCCGGCTCGAAGGACCAATCTCGTA	19	1	42088#18.0	+	chr29	9406605	10:C>G,19:G>T,20:G>C,21:C>T,22:G>C,25:G>A
miR-1285	cgr-miR-1285	CTCCAGCCTGGGCAATATAGCGAGAC	20	1	44680#91.0	+	chr6	32122547	
miR-1285	cgr-miR-1285	GTACTCCAGCCTGGGCAATATAGCGA	18	1	30882#80.0	+	chr8	8039400	
miR-1285	cgr-miR-1285	ACTCCAGCCTGGGCAATATAGCGAGA	21	1	30882#80.0	+	chr6	32122544	
					30882#80.0	-	chrUn.004.53	125455	
					25771#49.0	+	chr10	42702146	
					25771#49.0	+	chr8	8039402	
					25771#49.0	+	chr6	32122546	
miR-1285	cgr-miR-1285	TGTACTCCAGCCTGGGCAATATAGCGG	19	1	25771#49.0	-	chrUn.004.53	125453	
					31399#32.0	+	chr8	8039399	
					31399#32.0	+	chr6	32122543	
					31399#32.0	+	chr10	42702143	
					31399#32.0	-	chrUn.004.53	125456	
miR-1285	cgr-miR-1285	TACTCCAGCCTGGGCAATATAGCGAG	17	1	36885#27.0	+	chr10	42702145	
					36885#27.0	+	chr8	8039401	
					36885#27.0	+	chr6	32122545	
					36885#27.0	-	chrUn.004.53	125454	
					20343#19.0	-	chrUn.004.53	125451	
miR-1285	cgr-miR-1285	TCCAGCCTGGGCAATATAGCGAGACC	19	1	20343#19.0	+	chr8	8039404	
					20343#19.0	+	chr6	32122548	
					20343#19.0	+	chr10	42702148	
					30700#18.0	+	chr6	32122549	
					30700#18.0	+	chr10	42702149	
miR-1285	cgr-miR-1285	CCAGCCTGGGCAATATAGCGAGACCC	18	1	30700#18.0	+	chr8	8039405	
					30700#18.0	+	chrUn.004.53	125450	
					10255#7.0	+	chr4	104567078	16:T>A,20:G>T,23:T>C,25:C>T
					10255#7.0	-	chr20	34719070	7:T>A,20:C>A,21:C>G,22:T>A,23:A>G,24:G>C,25:T>A
					39795#19.0	-	chr8	9359012	23:C>A,24:T>G,25:C>A
miR-124c-3p	gga-miR-124c-3p	TCAAGGTCCGCTGTGAACACGGATCT	22	1	39795#19.0	-	chr14	29053707	23:C>A,24:C>G,25:C>A
					38861#6.0	-	chr14	29053706	22:C>A,23:C>G,24:C>A
					36697#6.0	+	chr18	59928559	23:C>A,24:C>A
miR-124c-3p	gga-miR-124c-3p	CAAGGTCCGCTGTGAACACGGATCTC	21	1	36697#6.0	-	chr21	52042084	23:G>T,24:G>T
					36697#6.0	-	chrUn.004.2732	16131	23:G>T,24:G>T
					56637#10.0	-	chr8	9359011	
miR-6516-3p	gga-miR-6516-3p	CATGTATGATACTGCAAACAGAAATC	19	2	56637#10.0	-	chr8	9359011	
miR-3535	gga-miR-3535	GGATATGATGACTGATTATCTGAGAA	23	1	26266#1023.0	-	chr2	123404280	
miR6300	gma-miR6300	GTCGTTGTAGTATAGTGGTGAGTATT	18	1	5416#28.0	+	chr6	51722418	16:A>G,19:A>G,20:T>A,21:T>G,23:C>A,24:A>T,25:G>T
miR6173	hbr-miR6173	CCGTAACGATGAATACTAGGTGTCTG	18	1	35762#44.0	+	chr18	59928559	
miR-1261	hsa-miR-1261	ATGGATAAGGCATTGGCTTCTAAGC	19	1	13766#6.0	+	chr4	106528036	17:C>T

miR-320d	hsa-miR-320d#ppy-miR-320d	AAAAGCTGGGTTGAGAGGATCTCGTA	19	1	13766#6.0 12801#48.0	+	chr25	3149716	17:C>T
						-	chrUn.004.569	51615	0:C>T,19:T>A,20:T>G,21:C>A,22:T>G,24:C>A
					12801#48.0	+	chr20	16455540	18:G>A,19:C>T,20:G>C,21:A>T,22:A>C,23:A>G,24:A>T
					12801#48.0	-	chr8	72629910	18:C>T,19:G>A,20:C>G,21:T>A,22:T>G,23:T>C,24:T>A
					12801#48.0	-	chr10	51075848	9:A>C,19:T>A,20:T>G,21:C>A,22:A>G,23:A>C,24:T>A
miR-320d	hsa-miR-320d#ppy-miR-320d	AAAAGCTGGGTTGAGAGGAATCTCGT	19	1	6074#8.0	-	chr10	51075848	9:A>C,20:T>A,21:C>G,23:A>G,24:T>C,25:T>A
					6074#8.0	-	chrUn.004.569	51615	0:C>T,20:T>A,21:C>G,22:T>A,23:C>G,25:T>A
miR-3607-3p	hsa-miR-3607-3p	ACTGTAACGCTTTCTGATGATCTCG	20	1	37673#10.0	+	chr7	87510110	20:C>A,21:A>T,23:C>T,24:A>C
					37673#10.0	+	chr7	87650430	20:C>A,21:A>T,23:C>T,24:A>C
miR-378b	hsa-miR-378g#ppy-miR-378g	ACTGGACTTGGAGGAAGAAGGCATCT	19	3	35979#15.0	+	chr6	67413381	7:C>T,20:T>G,21:G>C,22:T>A,24:G>C,25:A>T
miR-378b	hsa-miR-378g#ppy-miR-378g	ACTGGACTTGGCGGCAGAAGGCATCT	19	3	26781#13.0	-	chr9	26685205	11:A>G,22:G>T,24:C>G,25:T>A
miR-378b	hsa-miR-378g#ppy-miR-378g	GCTGGACTTGGAGGCAGAAGGCATCT	19	3	11021#6.0	+	chr16	75498431	18:C>A,21:G>C,23:A>T,24:G>C,25:G>T
miR-378b	hsa-miR-378g#ppy-miR-378g	ACTGGACTTGGAGGAAGAAGCAATC	19	3	44350#6.0	+	chr6	67413381	7:C>T,20:T>G,21:G>C,22:T>A,23:T>A,24:G>T,25:A>C
miR-4448	hsa-miR-4448	GGCTCGTTGGTCTAGGGGGATGATTC	18	1	4523#36.0	+	chr7	60268856	19:T>A,20:C>A,21:G>A,22:G>A,23:G>T,24:A>C,25:A>T
miR-4485	hsa-miR-4485	AACGGCCGCGGTATCCTGACCGTGCA	17	1	22863#7.0	+	chrM	2358	
miR-4492	hsa-miR-4492	GGGGCTGGGCGCGCGCCGCGGCATCT	17	1	13492#6.0	+	chr1	85357964	5:G>T,22:G>A,23:G>T,25:G>T
miR-4792	hsa-miR-4792	CGGTGAGCTCTCGCTGGCATCTCGGA	21	2	23774#11.0	+	chr26	565899	9:T>C,22:T>A,23:G>T,24:G>C,25:A>T
miR-4492	hsa-miR-4492	GGGGCTGGGCGCGCGCCGCGGTGGA	17	1	30357#6.0	+	chr26	965806	9:T>C
miR-4497	hsa-miR-4497	CTCCGGGACGGCTGGGAAGGCCGGCA	17	1	7646#23.0	+	chr12	15155590	19:C>G,20:A>C,21:G>C,22:A>G,25:C>A
miR-4532	hsa-miR-4532	CCCCGGGAGCCCGCGGGCATCTCG	17	1	43460#934.0	+	chr24	41098755	17:C>G,20:G>A,23:C>T
					43460#934.0	-	chr17	72771883	2:T>G,20:C>T,21:G>A,22:A>G,23:G>A,25:G>C
miR-4532	hsa-miR-4532	CCCCGGGAGCCCGCGGGATCTCGT	17	1	7121#71.0	-	chr27	27734	13:T>C,20:G>A,21:A>G,22:C>A,23:C>G,25:T>A
					7121#71.0	+	chr5	125577470	4:T>G,20:C>T,22:C>T,23:A>C,24:C>G,25:C>T
miR-4532	hsa-miR-4532	CCCCGGGAGCCCGCGGGCGCCGGC	17	1	17209#29.0	-	chr17	72771883	2:T>G,22:A>G,23:G>C,24:G>C
miR-5100	hsa-miR-5100	TTCGGATCCCAGCGGTGCCTCCAATC	21	1	2736#8.0	+	chr19	28374473	4:A>G,22:C>A,23:G>A,24:A>T,25:G>C
miR-3591-5p	hsa-miR-3591-5p	TTTAGTGTGATAATGGCGTTTATCTC	21	1	4797#12.0	-	chr5	1937282	4:T>C,22:G>T,23:C>T,24:T>A,25:T>G
miR-5100	hsa-miR-5100#mmu-miR-5100	TCGGATCCCAGCGGTGCCTCCAATCT	20	2	12348#129.0	+	chr19	28374474	3:A>G,21:C>A,22:G>A,23:A>T,24:G>C,25:G>T
miR-3168	hsa-miR-3168	GAGTTCTACAGTCCGACGATCGTATG	23	1	9352#162.0	-	chr1	28372961	
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACACCACAATCT	22	1	45085#1289.0	+	chr28	30226050	3:A>G,23:A>T,24:G>C,25:G>T

miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCCATATCTC	20	1	6803#43.0	-	chrUn.004.53	125444	
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCACATATC	22	1	6803#43.0	+	chr10	42702155	
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCACAAATC	22	1	7038#35.0	+	chr28	30226050	3:A>G,24:G>T,25:G>C
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCCAAATCTC	20	1					
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCACAAGAT	22	1	4536#6.0	+	chr28	30226050	3:A>G,23:A>G,24:G>A,25:G>T
miR-574-3p	hsa-miR-574-3p#mmu-miR-574-3p#cfa-miR-574#ssc-miR-574#ggo-miR-574	CACGCTCATGCACACCCACAATTC	22	1	44847#6.0	+	chr28	30226050	3:A>G,23:A>T,24:G>T,25:G>C
miR-6089	hsa-miR-6089	CGGGGTGGGTCGGGGCGGGCGGACT	18	1	17868#9.0	+	chr12	75101942	9:G>T
miR-6089	hsa-miR-6089	GGGGTGGGTCGGGGCGGGCGGACTG	17	1	22715#7.0	+	chr20	4968416	19:A>C,21:A>G,23:A>C,24:C>T,25:T>G
miR-535d	mdm-miR535d	TGACGACGAGAGAGACGCATCTC	19	2	36985#12.0	-	chr8	11694544	
miR-1895	mmu-miR-1895	AGAGGAGGACGAGGAGGAAGAGGAGG	18	1	16859#24.0	-	chr15	39786056	
miR-5115	mmu-miR-5115	CTGGACGCGAGCCGGGCCCTCCCGT	17	1	28011#24.0	+	chr22	15217585	
miR-6239	mmu-miR-6239	AGCGGTGGATCACTCGGCTCGTGCGT			29011#28.0	+	chr14	7301101	
miR-1895	mmu-miR-1895	CGAGGAGGAAGAGGAGGACGATCTCG	18	1	21398#17.0	+	chr14	7301092	21:G>T,22:G>C,23:A>T,24:G>C
miR-1895	mmu-miR-1895	GAGGAGGAGGAGGAGGAGGAGAT	17	1	16705#6.0	-	chr5	77804612	
					16705#6.0	-	chr8	30194521	
					16705#6.0	+	chr13	81376198	
miR-1895	mmu-miR-1895	GAGGAGGAGGAGGAGGAGGAATCTCG	17	1	41718#6.0	+	chr10	53455977	23:A>T,25:T>G
miR-1949	mmu-miR-1949	CTATACCAGGATGCCAGCATAGTTAT	24	1	36645#6.0	+	chr7	49893518	24:G>A
miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	TGAAATGTTTAGGACCACTAGTATCT	21	1	27636#182.0	+	chr27	3557859	0:C>T,19:G>A,20:A>G,21:G>T,22:C>A

miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	TGAAATGTTTAGGACCACTAGATCTC	21	1	23078#91.0	-	chr8	109929658	12:T>C,19:C>T,20:G>C,22:G>A,23:A>G,24:C>A,25:T>G
miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	GTGAAATGTTTAGGACCACTAGATCT	22	1	8600#87.0	-	chr11	57375720	17:G>T,20:C>T,21:G>C,22:G>T,23:G>A,25:T>A
					4254#63.0	+	chr27	3557859	0:C>T,19:G>A,20:A>G,21:G>A,22:C>A
					4254#63.0	-	chr8	109929658	12:T>C,19:C>T,20:G>C,22:G>T,24:C>G,25:T>A
					4254#63.0	-	chr11	57375719	16:G>T,19:C>T,20:G>C,21:G>T,22:G>T,23:G>A,24:T>G,25:T>A
miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	GTGAAATGTTTAGGACCACTAGAATC	22	1	17091#54.0	-	chr11	57375720	17:G>T,20:C>T,21:G>C,22:G>T,23:G>T,24:G>A,25:T>G
miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	GTGAAATGTTTAGGACCACTAGTATC	22	1	28266#29.0	-	chr11	57375720	17:G>T,20:C>T,21:G>C,22:G>A,23:G>T,24:G>A,25:T>G
miR-203-3p	mmu-miR-203-3p#hsa-miR-203a#rno-miR-203a-3p#mml-miR-203#ptr-miR-203#cfa-miR-203#ppy-miR-203	TGAAATGTTTAGGACCACTAGTATTT	21	1	27363#6.0	+	chr27	3557859	0:C>T,19:G>A,20:A>G,21:G>T,22:C>A,24:C>T
					27363#6.0	-	chr8	109929658	12:T>C,19:C>T,20:G>C,21:T>A,22:G>T,24:C>A,25:T>A
					27363#6.0	-	chr11	57375719	16:G>T,19:C>T,20:G>C,21:G>A,22:G>T,23:G>A,24:T>A,25:T>A
miR-5097	mmu-miR-5097	TCATGTCCTGTTTCGGGGCCCAATCT	22	1	28420#22.0	+	chr23	27727267	22:C>A,24:G>C,25:C>T
miR-5100	mmu-miR-5100	TCGAATCCCAGCGGTGCCTCCAATCT	20	1	9713#345.0	+	chr19	28374474	21:C>A,22:G>A,23:A>T,24:G>C,25:G>T
miR-5100	mmu-miR-5100	TCGTATCCCAGCGGTGCCTCCAATCT	20	1	13604#306.0	-	chr19	28372961	3:T>A,21:G>T,22:C>T,23:T>A,24:T>G,25:C>A
miR-5100	mmu-miR-5100	TCGAATCCCAGCGGGGCTCCAATCT	20	1	29993#65.0	-	chr23	31355062	19:A>G,21:G>T,22:A>T,24:C>G
					29993#65.0	+	chr23	31108126	19:G>C,21:C>A,23:G>T,24:A>C,25:G>T
					29993#65.0	+	chr23	30238350	19:G>C,21:T>A,22:G>A,23:G>T,24:T>C
					29993#65.0	+	chr23	31590993	19:T>C,20:T>C,21:T>A,22:G>A,24:G>C,25:G>T
miR-5100	mmu-miR-5100	TCGCATCCCAGCGGTGCCTCCAATCT	20	1	32921#13.0	+	chr19	28374474	3:A>C,21:C>A,22:G>A,23:A>T,24:G>C,25:G>T
					32921#13.0	-	chr19	28372961	3:T>G,21:G>T,22:C>T,23:T>A,24:T>G,25:C>A
miR-5106	mmu-miR-5106	GGGTCTGTAGCTCAGTTGGTTAGAGC	19	1	15164#19.0	+	chr5	22484238	20:A>T,22:A>G,23:G>A,24:A>G,25:A>C

miR-5106	mmu-miR-5106	GGGTCTGTAGCTCAGTTGGTTAGAGA	19	1	15164#19.0	-	chr4	97259974	20:T>A,22:T>C,23:C>T,24:T>C,25:T>G
					15166#6.0	-	chr4	97259974	20:T>A,22:T>C,23:C>T,24:T>C
					15166#6.0	+	chr5	22484238	20:A>T,22:A>G,23:G>A,24:A>G
miR-5108	mmu-miR-5108	GTAGAGCACTGGATGATCTCGTATGC	17	1	37383#7.0	+	chr1	44696091	3:A>G,19:A>C,21:G>T,23:A>T,25:A>C
					37383#7.0	-	chr9	48178949	1:C>A,19:T>G,20:A>C,22:A>T,25:T>G
miR-5109	mmu-miR-5109	TGGTGCGGACCAGGGGAATCCGACAT	23	1	22046#11.0	+	chr13	1900570	24:T>A,25:G>T
					22046#11.0	+	chr14	16237939	24:T>A,25:G>T
miR-5109	mmu-miR-5109	GTGCGGACCAGGGGAATCCGACATCT	21	1	11840#9.0	+	chr14	16237941	22:T>A,23:G>T,24:T>C
					11840#9.0	+	chr13	1900572	22:T>A,23:G>T,24:A>C,25:A>T
miR-5109	mmu-miR-5109	TGGTGCGGACCAGGGGATCTCGTATG	17	1	41465#8.0	-	chrUn.004.2732	16128	
					41465#8.0	-	chr21	52042081	
					41465#8.0	+	chrUn.004.1473	21368	
					41465#8.0	+	chr18	59928562	
miR-5109	mmu-miR-5109	TGGTGCGGACCAGGGGAATCCGACTG	23	1	21745#7.0	+	chr14	16237939	
					21745#7.0	+	chr13	1900570	
miR-5109	mmu-miR-5109	GTGCGGACCAGGGGAATCCGACTGTT	21	1	28592#6.0	+	chr14	16237941	
miR-5119	mmu-miR-5119	CATCACATCTGGGGCTGTAGCCGGA	18	1	4697#10.0	+	chr15	52258297	6:T>A,19:T>A,21:A>C,23:T>G,24:C>G,25:C>A
					4697#10.0	-	chr3	17386379	1:G>T,19:A>T,21:C>G,22:T>G,23:T>C,25:C>T
					4697#10.0	-	chr1	146351135	6:G>T,19:C>T,20:A>C,21:C>G,22:A>G,23:G>C,24:A>C,25:C>T
miR-5119	mmu-miR-5119	ATCGCATCCTGGGGCTGTAGTAGGAT	17	1	9274#8.0	-	chr25	40867025	17:T>A,20:C>A,21:C>T,22:A>C,23:G>C,24:C>T,25:C>A
miR-5124a	mmu-miR-5124a	GTCAAGTGACTAAGAGCATATGGTGG	19	1	9242#7.0	+	chr8	51214607	11:G>A,22:A>G,23:C>T,24:T>G
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAAAGAACT	19	1	35215#93.0	-	chr6	39025870	
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAAAGATCTC	19	1	45344#16.0	-	chr6	39025870	22:T>A,23:T>G,24:G>A,25:A>G
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAAAGAAATC	19	1	34973#11.0	-	chr6	39025870	24:G>A,25:A>G
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAAAGAAAAT	19	1	35252#10.0	-	chr6	39025870	24:G>T
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAAAGAAACA	19	1	35225#9.0	-	chr6	39025870	25:A>T
miR-6238	mmu-miR-6238	TATTAGTCAGCGGAGGAAATCTCGTA	20	1	34242#8.0	-	chr6	39025870	19:T>A,20:C>G,21:T>A,22:T>G,23:T>C,24:G>A,25:A>T
miR-6240	mmu-miR-6240	CAAAGCATCGCGAAGGCCCGCATCT	19	1	7957#35.0	-	chr21	52043103	22:C>T,23:G>A,24:C>G,25:C>A
miR-6240	mmu-miR-6240	ACAAAGCATCGCGAAGGCCCGCATC	20	1	19851#18.0	-	chr21	52043104	23:C>T,24:G>A,25:C>G
miR-6240	mmu-miR-6240	ATCGCGAAGGCCCGCGGGTGTG	19	1	6698#14.0	-	chr21	52043097	
miR-6240	mmu-miR-6240	AAAGCATCGCGAAGGCCCGCATCTC	18	1	12873#11.0	-	chr21	52043102	21:C>T,22:G>A,23:C>G,24:C>A,25:C>G
miR-6240	mmu-miR-6240	CAAAGCATCGCGAAGGCCCGGCATC	19	1	34624#9.0	-	chr21	52043103	22:C>G,23:G>T,24:C>A,25:C>G
miR-6240	mmu-miR-6240	ACAAAGCATCGCGAAGGCCCGCGTAT	20	1	11493#7.0	-	chr21	52043104	23:C>A,24:G>T,25:C>A
miR-6240	mmu-miR-6240	AAGCATCGCGAAGGCCCGCATCTCG	17	1	11535#7.0	-	chr21	52043101	20:C>T,21:G>A,22:C>G,23:C>A,24:C>G,25:A>C
miR-6240	mmu-miR-6240	CAAAGCATCGCGAAGGCCCGCGCGG	19	1	24168#7.0	-	chr21	52043103	
miR-6240	mmu-miR-6240	ACAAAGCATCGCGAAGGCCCGCGGCA	20	1	17366#6.0	-	chr21	52043104	25:C>T
miR-6240	mmu-miR-6240	CATCGCGAAGGCCCGCGGGTGTG	20	1	30230#6.0	-	chr21	52043098	
miR-6243	mmu-miR-6243	ACCATCTGTGGGATTATGACTGAACG	26	1	21061#216.0	+	chr18	59928556	
miR-6243	mmu-miR-6243	CCATCTGTGGGATTATGACTGAACGC	25	1	39531#144.0	+	chr18	59928557	
					39531#144.0	+	chrUn.004.1473	21363	
miR-6236	mmu-miR-6236	GCCGTCGCCGGCAGTCGGAGAGATCT	19	1	49581#184.0	-	chr21	52042086	
					39531#144.0	-	chrUn.004.2732	16133	19:T>A,20:C>T,21:G>A,22:G>T,23:G>C,24:A>T,25:A>C
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGCAT	23	1	35790#100.0	-	chrUn.004.2732	16131	24:G>T
					35790#100.0	-	chr21	52042084	24:G>T
					35790#100.0	+	chrUn.004.1473	21365	24:C>A
miR-6243	mmu-miR-6243	GTGGGATTATGACTGAACGCATCTCG	19	1	22310#87.0	+	chrUn.004.1473	21369	20:C>A,24:A>C,25:A>G
					22310#87.0	+	chrUn.004.2	1722167	24:G>T,25:A>C
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGCATCT	21	1	16370#80.0	+	chrUn.004.1473	21367	22:C>A
					16370#80.0	-	chrUn.004.2732	16129	22:G>T
					16370#80.0	-	chr21	52042082	22:G>T
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAACGCATC	22	1	9506#75.0	+	chrUn.004.1473	21366	23:C>A

						9506#75.0	-	chr21	52042083	23:G>T
						9506#75.0	-	chrUn.004.2732	16130	23:G>T
						9506#75.0	+	chr18	59928560	23:C>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAATCTCG	21	1		4966#74.0	+	chrUn.004.37	103777	22:G>C,23:C>T,25:T>G
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACATCT	22	1		19673#72.0	-	chr5	63197797	23:G>A
						19673#72.0	-	chr5	63494859	
miR-6243	mmu-miR-6243	TGTGGGATTATGACTGAACGCATCTC	20	1		31636#72.0	+	chr18	59928562	21:C>A,25:A>C
						31636#72.0	-	chrUn.004.2732	16128	
						31636#72.0	-	chr21	52042081	
						31636#72.0	+	chrUn.004.1473	21368	
miR-6243	mmu-miR-6243	ACCATCTGTGGGATTATGACTGAATC	24	1		20796#57.0	-	chr10	78051886	25:C>G
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACTGAACGCA	24	1		26728#53.0	-	chrUn.004.2732	16132	25:G>T
						26728#53.0	-	chr21	52042085	25:G>T
						26728#53.0	+	chr18	59928558	25:C>A
						26728#53.0	+	chrUn.004.1473	21364	25:C>A
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGCCTCT	21	1		34508#51.0	+	chr18	59928561	
						34508#51.0	+	chrUn.004.1473	21367	
						34508#51.0	-	chrUn.004.2732	16129	
						34508#51.0	-	chr21	52042082	
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACTGAACGCC	24	1		26725#49.0	+	chr18	59928558	
						26725#49.0	+	chrUn.004.1473	21364	
						26725#49.0	-	chrUn.004.2732	16132	
						26725#49.0	-	chr21	52042085	
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGCCT	23	1		35762#44.0	-	chr21	52042084	
						35762#44.0	-	chrUn.004.2732	16131	
						35762#44.0	+	chrUn.004.1473	21365	
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGATC	23	1		36436#36.0	+	chrUn.004.1473	21365	23:C>A,24:C>T,25:T>C
						36436#36.0	+	chr18	59928559	23:C>A,24:C>T,25:T>C
						36436#36.0	-	chr21	52042084	23:G>T,24:G>A,25:A>G
						36436#36.0	-	chrUn.004.2732	16131	23:G>T,24:G>A,25:A>G
miR-6243	mmu-miR-6243	CCATCTGTGGGATTATGACTGAATCT	23	1		31924#23.0	-	chr10	78051885	24:C>G,25:G>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAAATCTC	21	1		28535#22.0	-	chr8	37867463	22:C>A,24:G>A,25:A>G
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGCCA	23	1		35768#18.0	+	chrUn.004.1473	21365	25:T>A
						35768#18.0	+	chr18	59928559	25:T>A
						35768#18.0	-	chr21	52042084	25:A>T
						35768#18.0	-	chrUn.004.2732	16131	25:A>T
miR-6243	mmu-miR-6243	TGTGGGATTATGACTGAACGATCTCG	20	1		29734#15.0	+	chr18	59928562	20:C>A,21:C>T,22:T>C,23:C>T,24:T>C,25:A>G
						29734#15.0	+	chrUn.004.1473	21368	20:C>A,21:C>T,22:T>C,23:C>T,24:T>C,25:A>G
						29734#15.0	-	chrUn.004.2732	16128	20:G>T,21:G>A,22:A>G,23:G>A,24:A>G,25:T>C
						29734#15.0	-	chr21	52042081	20:G>T,21:G>A,22:A>G,23:G>A,24:A>G,25:T>C
miR-6243	mmu-miR-6243	CCATCTGTGGGATTATGACTGAACGA	25	1		39534#14.0	+	chrUn.004.1473	21363	25:C>A
						39534#14.0	+	chr18	59928557	25:C>A
						39534#14.0	-	chrUn.004.2732	16133	25:G>T
						39534#14.0	-	chr21	52042086	25:G>T
miR-6243	mmu-miR-6243	GTGGGATTATGACTGAACGATCTCGT	19	1		11775#13.0	+	chrUn.004.1473	21369	19:C>A,20:C>T,21:T>C,22:C>T,23:T>C,24:A>G,25:A>T
						11775#13.0	+	chr18	59928563	19:C>A,20:C>T,21:T>C,22:C>T,23:T>C,24:A>G,25:A>T
						11775#13.0	-	chrUn.004.2732	16127	19:G>T,20:G>A,21:A>G,22:G>A,23:A>G,24:T>C,25:T>A
						11775#13.0	-	chr21	52042080	19:G>T,20:G>A,21:A>G,22:G>A,23:A>G,24:T>C,25:T>A
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACTGAATCTC	22	1		21314#12.0	-	chr10	78051884	23:C>G,24:G>A
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGCCTCA	21	1		34525#12.0	+	chr18	59928561	25:T>A
						34525#12.0	+	chrUn.004.1473	21367	25:T>A

						34525#12.0	-	chr21	52042082	25:A>T
						34525#12.0	-	chrUn.004.2732	16129	25:A>T
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGCCATC	21	1		42963#12.0	+	chr18	59928561	23:T>A,24:C>T,25:T>C
						42963#12.0	+	chrUn.004.1473	21367	23:T>A,24:C>T,25:T>C
						42963#12.0	-	chr21	52042082	23:A>T,24:G>A,25:A>G
						42963#12.0	-	chrUn.004.2732	16129	23:A>T,24:G>A,25:A>G
miR-6243	mmu-miR-6243	ACCATCTGTGGGATTATGACTGAACA	25	1		21064#11.0	-	chr5	63197800	
						21064#11.0	-	chr5	63494862	
miR-6243	mmu-miR-6243	TGTGGGATTATGACTGAACGCCATCT	20	1		22784#11.0	-	chrUn.004.2732	16128	22:A>T,23:G>A,24:A>G,25:T>A
						22784#11.0	-	chr21	52042081	
						22784#11.0	+	chrUn.004.1473	21368	
						22784#11.0	+	chr18	59928562	
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAATCTCGT	20	1		29721#11.0	+	chrUn.004.37	103778	21:G>C,22:C>T,24:T>G,25:C>T
						29721#11.0	-	chr10	78051882	21:C>G,22:G>A,24:A>C,25:G>A
						36985#11.0	-	chr17	52933458	20:C>G,21:G>A,23:A>C,24:G>A,25:A>T
						36985#11.0	-	chr10	78051881	20:C>G,21:G>A,23:A>C,24:G>A,25:G>T
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAATCTCGTA	19	1		36985#11.0	+	chrUn.004.37	103779	20:G>C,21:C>T,23:T>G,24:C>T,25:T>A
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACTGAAATCT	22	1		2456#10.0	-	chr8	37867464	23:C>A,25:G>A
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAACGCCTC	22	1		8505#10.0	+	chrUn.004.1473	21366	
						8505#10.0	+	chr18	59928560	
						8505#10.0	-	chrUn.004.2732	16130	
						8505#10.0	-	chr21	52042083	
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACATCTCG	20	1		20421#10.0	-	chr5	63197795	21:G>A,25:A>C
						20421#10.0	-	chr5	63494857	21:G>A,25:A>C
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGATCTC	21	1		25203#9.0	+	chr18	59928561	21:C>A,22:C>T,23:T>C,24:C>T,25:T>C
						25203#9.0	+	chrUn.004.1473	21367	21:C>A,22:C>T,23:T>C,24:C>T,25:T>C
						25203#9.0	-	chr21	52042082	21:G>T,22:G>A,23:A>G,24:G>A,25:A>G
						25203#9.0	-	chrUn.004.2732	16129	21:G>T,22:G>A,23:A>G,24:G>A,25:A>G
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACATCTCGTA	18	1		7508#8.0	-	chr4	10645304	10:A>T,20:C>G,21:T>A,22:T>G,24:G>A
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAACGCCAT	22	1		8818#8.0	+	chr18	59928560	24:T>A,25:C>T
						8818#8.0	+	chrUn.004.1473	21366	24:T>A,25:C>T
						8818#8.0	-	chr21	52042083	24:A>T,25:G>A
						8818#8.0	-	chrUn.004.2732	16130	24:A>T,25:G>A
miR-6243	mmu-miR-6243	CATCTGTGGGATTATGACTGAACGAT	24	1		26746#8.0	+	chrUn.004.1473	21364	24:C>A,25:C>T
						26746#8.0	+	chr18	59928558	24:C>A,25:C>T
						26746#8.0	-	chrUn.004.2732	16132	24:G>T,25:G>A
						26746#8.0	-	chr21	52042085	24:G>T,25:G>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAAATCT	21	1		9875#7.0	-	chr8	37867463	22:C>T,23:G>A
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAACATCTC	21	1		18682#6.0	-	chr5	63197796	22:G>A
						18682#6.0	-	chr5	63494858	22:G>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGTAT	23	1		28051#6.0	+	chr18	59928559	23:C>T,24:C>A
						28051#6.0	+	chrUn.004.1473	21365	23:C>T,24:C>A
miR-1957a	mmu-miR-1957a	AGTGGTAGAGCATTGACTGATCTCG	21	1		48951#11.0	-	chr21	52042084	23:G>A,24:G>T
miR-300-3p	mmu-miR-300-3p	TATGCAGGGGCAAGCTCTCTGTATCT	21	1		58087#12.0	-	chrUn.004.2732	16131	23:G>A,24:G>T
miR-6243	mmu-miR-6243	TCTGTGGGATTATGACTGAACGATCT	22	1		29175#6.0	+	chr18	59928560	22:C>A,23:C>T,24:T>C,25:C>T
						29175#6.0	+	chrUn.004.1473	21366	22:C>A,23:C>T,24:T>C,25:C>T
						29175#6.0	-	chrUn.004.2732	16130	22:G>T,23:G>A,24:A>G,25:G>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAATATCT	21	1		33158#6.0	+	chrUn.004.37	103777	22:G>A,23:C>T
						33158#6.0	-	chr10	78051883	22:C>T,23:G>A
miR-6243	mmu-miR-6243	CTGTGGGATTATGACTGAACGCCTAT	21	1		34544#6.0	+	chrUn.004.1473	21367	24:C>A
miR-6243	mmu-miR-6243	ATCTGTGGGATTATGACTGAACGAAT	23	1		36697#6.0	+	chrUn.004.1473	21365	23:C>A,24:C>A



miR-6243	mmu-miR-6243	CCATCTGTGGGATTATGACTGAAATC	23	1	40323#6.0	-	chr8	37867465	24:C>A
miR-6412	mmu-miR-6412	CGAAACCATCTCTGCTACCAATCTC	19	1	686#17.0	+	chr23	31005788	18:G>C,20:T>A,21:G>A,23:T>C,25:T>C
miR-1230	mml-miR-1230	TGGGTCGGGGCATCTCGTATGCCGTC	17	1	1692#122.0	+	chr5	120454083	18:G>C,20:C>A,21:C>A,22:C>T,23:T>C,24:A>T,25:G>C
miR-802-5p	mmu-miR-802-5p oan-miR-802-5p rno-miR-802-5p	TCAGTAACAAAGATTCATCCTATCTC	21	3	45036#40.0	+	chrUn.004.806	10775	21:T>A,22:G>T,23:T>C,24:G>T,25:T>C
miR-802-5p	oan-miR-802-5p	TCAGTAACAAAGATTCATCCTTGATC	23	1	20087#265.0	+	chrUn.004.806	10775	23:T>A,24:G>T,25:T>C
miR-802-5p	oan-miR-802-5p	TCAGTAACAAAGATTCATCCTTGAT	24	1	11800#60.0	+	chrUn.004.806	10775	24:G>A
miR-802-5p	oan-miR-802-5p	TCAGTAACAAAGATTCATCCTTGAAT	23	1	20392#10.0	+	chrUn.004.806	10775	23:T>A,24:G>A
miR-802-5p	oan-miR-802-5p hsa-miR-802#mml-miR-802#ptr-miR-802#cfa-miR-802#eca-miR-802#ppy-miR-802	CAGTAACAAAGATTCATCCTTGATC	23	2	22919#54.0	+	chrUn.004.806	10776	23:G>A
miR-802-5p	oan-miR-802-5p mmu-miR-802-5p	TCAGTAACAAAGATTCATCCTTATCT	22	2	3116#180.0	+	chrUn.004.806	10775	22:G>A,24:G>C
miR-802-5p	oan-miR-802-5p mmu-miR-802-5p	TCAGTAACAAAGATTCATCCTTAATC	22	2	11705#9.0	+	chrUn.004.806	10775	22:G>A,23:T>A,24:G>T,25:T>C
miR-802-5p	oan-miR-802-5p mmu-miR-802-5p	TCAGTAACAAAGATTCATCCTTATC	22	2	22894#6.0	+	chrUn.004.806	10775	22:G>T,23:T>A,24:G>T,25:T>C
miR-323c	oar-miR-323c	CACAATACACGGTCGGCCTCTATCTC	21	1	20286#16.0	+	chr21	66043297	21:C>A,23:T>C,24:C>T,25:G>C
miR-24b	ola-miR-24b-3p xtr-miR-24b#xla-miR-24b	TGGCTCAGTTCAGCAGGAGATCTCGT	18	2	22064#34.0	+	chr29	47548420	0:G>T,20:C>T,22:C>T,23:T>C,24:C>G
miR-378a	ppy-miR-378a	ACTGGACTTGGGTGAGAAGGCATCTC	21	1	3099#6.0	-	chr15	22188936	2:T>A,20:C>G,21:C>T,22:T>A,25:C>G
miR-6129	ptr-miR-6129#hsa-miR-6129	TGAGGGAGTAGGGTGTATAGTATCTC	19	1	38397#22.0	-	chr21	37275013	15:T>A,20:T>A,22:C>A,23:T>G,24:C>A,25:A>G
miR-6129	ptr-miR-6129#hsa-miR-6129	TGAGGGAGTAGGGTGTATAGTTATCT	19	1	43052#20.0	-	chr21	37275013	15:T>A,20:T>A,21:T>A,22:C>T,23:T>A,24:C>G
miR-6129	ptr-miR-6129#hsa-miR-6129	TGAGGGAGTAGGGTGTATAGTTTATC	19	1	16329#6.0	-	chr21	37275013	15:T>A,20:T>A,21:T>A,22:C>A,24:C>A,25:A>G
miR-1949	rno-miR-1949#cgr-miR-1949 mmu-miR-1949	TATACCAGGATGCCAGCATAGTTATC	23	2	33680#6.0	+	chr7	49893519	23:G>A,25:T>C
miR-6327	rno-miR-6327	AGGACTGTAGATCCATCTCGTATGCC	21	1	10909#15.0	+	chr1	3978055	
miR-716b	sha-miR-716b	TCTTGGTGGTAGTAGCAAATATTC	22	1	11566#89.0	+	chr1	5253664	
miR-716b	sha-miR-716b	TGGTGGTAGTAGCAAATATTC	19	1	43239#78.0	+	chr1	5253667	24:T>C
miR-716b	sha-miR-716b	ATCTTGGTGGTAGTAGCAAATATTC	23	1	29810#73.0	+	chr1	5253663	
miR-716b	sha-miR-716b	CTTGGTGGTAGTAGCAAATATTC	21	1	42564#54.0	+	chr1	5253665	
miR-716b	sha-miR-716b	TTGGTGGTAGTAGCAAATATTC	20	1	40809#51.0	+	chr1	5253666	25:T>C
miR-716b	sha-miR-716b	AGATCTTGGTGGTAGTAGCAAATATTC	25	1	36152#13.0	+	chr1	5253661	
miR-716b	sha-miR-716b	GATCTTGGTGGTAGTAGCAAATATTC	24	1	19922#9.0	+	chr1	5253662	
miR-1285	ssc-miR-1285	CTGGGCAATATAGCGAGACCCGTCT	21	1	30929#103.0	+	chr8	8039410	
					30929#103.0	+	chr6	32122554	
					30929#103.0	-	chrUn.004.53	125445	

miR-1285	ssc-miR-1285	GGGCAATATAGCGAGACCCTGTCTCT	19	1	26824#56.0	+	chr10	42702156	
					26824#56.0	-	chrUn.004.53	125443	
					26824#56.0	+	chr6	32122556	
miR-1285	ssc-miR-1285	TGGGCAATATAGCGAGACCCTGTCTCT	20	1	6803#43.0	+	chr8	8039411	6803#43.0
miR-1285	ssc-miR-1285	GCAACATAGCGAGACCCCGTCTCTTA	20	1	16859#24.0	-	chr8	103731458	
miR-1285	ssc-miR-1285	GCAACATAGCGAGACCCCGTCTCTTT	20	1	16844#12.0	-	chr10	42893976	
					16844#12.0	-	chrUn.004.110	310092	
					16844#12.0	-	chr10	42908015	
miR-1285	ssc-miR-1285	GGCAATATAGCGAGACCCTGTCTCTT	18	1	18906#11.0	+	chr8	8039413	
					18906#11.0	+	chr10	42702157	
miR-1285	ssc-miR-1285	GGCAATATAGCGAGACCCTGTCTCTA	18	1	18915#11.0	+	chr6	32122557	
					18915#11.0	-	chrUn.004.53	125442	
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTACATC	24	1	9499#425.0	+	chrUn.004.2	1722204	24:A>T,25:A>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTACAAT	24	1	9765#274.0	+	chrUn.004.2	1722204	25:A>T
miR-664-3p	ssc-miR-664-3p	TTCATTTATCTCCCAGCCTACAATCT	22	1	2455#152.0	+	chrUn.004.2	1722206	23:A>T,24:A>C
miR-664-3p	ssc-miR-664-3p	TTCATTTATCTCCCAGCCTACATCTC	22	1	21313#102.0	+	chrUn.004.2	1722206	22:A>T,23:A>C,24:A>T,25:T>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTACTAT	23	1	1070#93.0	+	chrUn.004.2	1722204	23:A>T,25:A>T
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTATATC	22	1	2343#30.0	+	chrUn.004.2	1722204	22:C>T,24:A>T,25:A>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTATCTC	22	1	1461#28.0	+	chrUn.004.2	1722204	22:C>T,23:A>C,24:A>T,25:A>C
miR-664-3p	ssc-miR-664-3p	TTCATTTATCTCCCAGCCTACTATCT	21	1	25826#27.0	+	chrUn.004.2	1722206	21:A>T,23:A>T,24:A>C
miR-664-3p	ssc-miR-664-3p	TCATTTATCTCCCAGCCTACAATCTC	21	1	2171#24.0	+	chrUn.004.2	1722207	22:A>T,23:A>C,25:G>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTACCAT	23	1	8815#21.0	+	chrUn.004.2	1722204	23:A>C,25:A>T
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTAATCT	22	1	29171#18.0	+	chrUn.004.2	1722204	22:C>A,23:A>T,24:A>C,25:A>T
miR-664-3p	ssc-miR-664-3p	TTCATTTATCTCCCAGCCTACCATCT	21	1	12454#13.0	+	chrUn.004.2	1722206	21:A>C,23:A>T,24:A>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTTATCT	21	1	6093#12.0	+	chrUn.004.2	1722204	21:A>T,22:C>A,23:A>T,24:A>C,25:A>T
miR-664-3p	ssc-miR-664-3p	TCATTTATCTCCCAGCCTACATCTCG	21	1	25115#12.0	+	chrUn.004.2	1722207	21:A>T,22:A>C,23:A>T,24:T>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTAAATC	22	1	37576#11.0	+	chrUn.004.2	1722204	22:C>A,24:A>T,25:A>C
miR-664-3p	ssc-miR-664-3p	TTCATTTATCTCCCAGCCTACAATC	22	1	11018#8.0	+	chrUn.004.2	1722206	24:A>T,25:T>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTAAAAT	22	1	37851#8.0	+	chrUn.004.2	1722204	22:C>A,25:A>T
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTACAAA	24	1	9773#7.0	+	chrUn.004.2	1722204	
miR-664-3p	ssc-miR-664-3p	ATTCATTTATCTCCCAGCCTACAATC	23	1	34848#7.0	+	chrUn.004.2	1722205	24:A>T,25:A>C
miR-664-3p	ssc-miR-664-3p	TATTCATTTATCTCCCAGCCTATTAT	22	1	40501#7.0	+	chrUn.004.2	1722204	22:C>T,23:A>T,25:A>T
miR-664-3p	ssc-miR-664-3p	TCATTTATCTCCCAGCCTACAATCT	21	1	29175#6.0	-	chr21	52042083	22:G>T,23:G>A,24:A>G,25:G>A
miR-664-5p	ssc-miR-664-5p	CAGGCTAGGAGAAATGATTGGAATCT	22	1	16548#361.0	+	chrUn.004.2	1722167	22:T>A,23:A>T,24:G>C,25:A>T
miR-664-5p	ssc-miR-664-5p	CAGGCTAGGAGAAATGATTGGATCTC	23	1	35151#94.0	+	chrUn.004.2	1722167	23:A>C,24:G>T,25:A>C
miR-664-5p	ssc-miR-664-5p	CAGGCTAGGAGAAATGATTGGAAATC	22	1	24886#19.0	+	chrUn.004.2	1722167	22:T>A,24:G>T,25:A>C
miR-664-5p	ssc-miR-664-5p	CAGGCTAGGAGAAATGATTGATCTCG	20	1	30274#13.0	+	chrUn.004.2	1722167	20:G>A,21:A>T,22:T>C,23:A>T,24:G>C,25:A>G
miR-24b	xtr-miR-24b#xla-mi	TGGCTCAGTTCAGCAGGATATCTCGT	18	1	23199#17.0	+	chr7	10102505	18:A>T,19:C>A,20:A>T,21:G>C,22:G>T,23:A>C
					23199#17.0	+	chr8	85962848	18:A>T,19:C>A,20:A>T,21:G>C,22:G>T,23:A>C