

Supplementary table 1: Conserved miRNAs identified and employed for expression level analysis

miRNA	Sequence	Length	precursor	Total Counts
miR156	UGACAGAAGAGAGUGAGC AC	20	Zhang_Cluster10418_680_777 _-	1862
miR156*	GCUCUCUCUCUAUCUGUC AUC	21	Zhang_Cluster10418_680_777 _-	20
miR159	UUUGGAUUGAAGGGAGC UCUA	21	Zhang_Cluster59095.seq.Cont ig1_331_526_+	540319
miR159*	GAGCUCCUUGAAGUCCAA AAG	21	Zhang_Cluster59095.seq.Cont ig1_331_526_+	1127
miR162	UCGAUAAACCUCUGCAUC CAG	21	Zhang_Cluster58628.seq.Cont ig1_308_511_+	24532
miR162*	GACACUGGAGGCAGCGG UUCA	21	Zhang_Cluster58628.seq.Cont ig1_308_511_+	86
miR319*	AGAGCUCUCUUCAGUCCA GUC	21	Zhang_Cluster11687_293_468 _-	6
miR319a	UUGGACUGAAGGGAGCU CCC	20	Zhang_Cluster11687_293_468 _-	118779
miR319b	UUGGACUGAAGGGAGCU CCU	20	Zhang_Cluster45674_191_375 _+	10829
miR473	ACUCUCCCUCAAGGGCUU CUA	21	Zhang_Cluster41966_212_360 _-	575
miR473*	GAAGCCCUGGAGGGGGA UUG	20	Zhang_Cluster41966_212_360 _-	710

Supplementary table 2: Homo-miRNAs identified and employed for expression level analysis

miRNA	Reads	Sequence	May Be Star Sequence	Length	Total Counts	CK(Tpm)	48 h(Tpm)	4 h(Tpm)	1/2 h(Tpm)
miR396a	Total_Unique_3	UUCCACAGCUUUCUUGAACUG	UCCACAGCUUUCUUGAGCUG	21	150008	13490.409	15883.877	24753.286	6745.0101
miR396b	Total_Unique_8	UUCCACAGCUUUCUUGAACUU	UCCACAGCUUUCUUGAGCUU	21	57220	9197.9861	5790.2916	7775.2737	936.4618
miR168a	Total_Unique_14	UCGCUUGGUGCAGGUCGGAC		21	41150	2832.7391	2044.2565	2697.8713	8608.5202
miR164a	Total_Unique_19	UGGAGAAGCAGGGCACGUGCA	UGGAGAAGGAGAGCACGUGCA	21	34662	2418.8926	6352.6725	3241.6676	1593.9054
miR157a	Total_Unique_25	UUGACAGAAGAUAGAGAGCAC		21	26160	3519.491	1666.6526	4300.1283	1347.6465
miR172a	Total_Unique_30	AGAAUCUUGAUGAUGCUGCAG	UGAAUCUUGAUGAUGCUCACAG	21	22645	2756.8822	1761.4195	3135.6949	1604.8252
miR396*-1	Total_Unique_37	CUCAAGAAAGCUGUGGGAGA	UUCAAGAAAGCUGUGGAAGA	20	18703	2113.2207	978.03787	1565.9475	2866.6199
miR172b	Total_Unique_42	AGAAUCUUGAUGAUGCUGCAU	UGAAUCUUGAGGAUGCUGCAU	21	17094	2093.471	1421.8688	2282.0023	1181.9677
miR396a-2	Total_Unique_46	UCCACAGCUUUCUUGAACUG	CCCACAGCUUUCUUGAGCUG	20	13296	5824.3738	42.809739	47.286634	34.26539
miR396a-3	Total_Unique_61	UUCCACAGCUUUCUUGAACU	UCCACAGCUUUCUUGAGCU	20	7762	955.16857	674.34486	888.73539	634.85106
miR396*-2	Total_Unique_68	GUUCAAUAAAGCUGUGGGAAG	GUUCAAGAAAGCUGUGGAAAG	21	7148	975.81601	492.12905	1225.2305	273.74657
miR396*-3	Total_Unique_72	UUCAAUAAAGCUGUGGGAAG	UUCAAGAAAGCUGUGGAAAG	20	6710	822.75563	727.03376	878.60254	304.62308
miR164a-2	Total_Unique_101	GGAGAAGCAGGGCACGUGCA	GGAGAAGGAGAGCACGUGCA	20	4281	1909.4394	2.9271616	5.4886271	2.2592565
miR396*-4	Total_Unique_111	GCUCAAGAAAGCUGUGGGAGA	GUUCAAGAAAGCUGUGGAAGA	21	3965	605.50865	129.16101	527.33041	381.81434
miR396b-2	Total_Unique_126	UCCACAGCUUUCUUGAACUU	CCCACAGCUUUCUUGAGCUU	20	3427	1510.4052	10.976856	10.977254	2.2592565
miR2111a	Total_Unique_145	UAAUCUGCAUCCUGAGGUUU		20	3026	653.98525	217.70764	235.58877	156.64178
miR2111a-2	Total_Unique_151	UAAUCUGCAUCCUGAGGUUUA		21	2947	612.24151	199.04699	183.65791	227.43182
miR319a	Total_Unique_169	UUGGACUGAAGGGAGCUCCCC		21	2697	157.10009	188.80192	269.36493	449.21549
miR396a-4	Total_Unique_170	UUCCACAGCUUUCUUGAA	UCCACUGCUUUCUUGAA	18	2652	335.74534	208.19437	489.75442	65.89498
miR159a	Total_Unique_198	AUUGGAGUGAAGGGAGCUCCA		21	2287	589.34978	128.42922	223.3449	35.395018
miR169a	Total_Unique_206	CAGCCAAGGAUGACUUGCCGA		21	2235	238.34329	275.15319	234.74436	149.11093
miR167a	Total_Unique_216	UGAAGCUGCCAGCAUGAUCUA		21	2147	346.51792	291.98437	182.3913	54.598698
miR159b	Total_Unique_220	UUUGGAUUGAAGGGAGCUUUA		21	2128	72.266043	81.59463	223.3449	457.49943

miR172c	Total_Unique_233	GGAGCAUCAUCAAGAUUCACA	GCAGCAUCAUCAAGAUUCUCA	21	2016	128.37322	30.369302	656.10204	35.018475
miR156a	Total_Unique_244	UGACAGAAGAUAGAGAGCAC		20	1955	693.03584	27.076245	111.88355	27.111077
miR393a	Total_Unique_251	UCCAAAGGGAUCGCAUUGAUC		21	1919	64.18661	229.78219	40.953603	395.74642
168a-3p	Total_Unique_259	CCCGCCUUGCAUCAACUGAAU	ACCGCCUUGCAUCAACUGAAU	21	1852	472.64685	159.53031	102.59511	45.185129
miR159c	Total_Unique_272	UUUGGAUCGAAGGGAGCUCUA		21	1775	139.1458	91.839695	143.97091	328.72181
miR159d	Total_Unique_277	UUUGGAUUGAAGGGAGCUCUU		21	1750	137.79923	84.155896	135.52687	335.87613
miR159e	Total_Unique_288	UUUGGAUUGAAGGGAGUUCUA		21	1722	101.89063	58.909127	178.16928	343.40698
miR394a	Total_Unique_299	UUGGCAUUCUGUCCACCUC		20	1692	259.43958	176.36149	153.68156	100.91346
miR396c	Total_Unique_316	UUCCAUAGCUUUCUUGAACUG	UUCCAUAGCUUUCUUGAACUG	21	1647	106.82806	160.62799	347.05012	55.728326
miR171a	Total_Unique_319	UUGAGCCGCGUCAAUUUCUCC		21	1631	309.26276	258.68791	59.952696	35.018475
miR396d	Total_Unique_350	UCCACAGCUUUCUUGAAC	UCCACAGCUUUCUUGAAC	19	1541	168.32153	130.99048	317.91817	20.709851
miR396e	Total_Unique_358	UUUCACAGCUUUCUUGAACUG	UUUCACAGCUUUCUUGAACUG	21	1521	93.362341	152.94419	317.91817	53.469069
miR156-3p	Total_Unique_360	GCUCUCUAUGCUUCUGUCAUC		21	1515	346.51792	156.23725	102.17291	27.864163
miR171b	Total_Unique_385	UUGAGCCGCGCCAUAUACACU		21	1454	348.76221	125.86795	104.28392	32.382676
miR396f	Total_Unique_389	CGGUUCAUAUAAGCUGUGGGA	CAGUUCAAAAAGCUGUGGGA	21	1438	112.66321	103.18245	114.83897	238.35156
miR319b	Total_Unique_409	UUGGACUGAAGGGAGCUCCCA		21	1386	122.98693	80.496944	107.66153	239.85773
miR393b	Total_Unique_416	UCCAAAGGGAUCGCAUUGAUU		21	1376	162.93524	58.909127	15.621477	306.88234
miR396g	Total_Unique_484	UUCCACAGUUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	1241	69.572899	136.84481	269.78713	27.48762
miR159f	Total_Unique_488	UUUGGAUAGAAGGGAGCUCUA		21	1226	114.00978	77.569783	97.10648	199.56765
miR168b	Total_Unique_517	GCUUGGUGCAGGUCGGGAC		19	1159	2.6931445	2.5612664	468.22212	13.932081
miR172d	Total_Unique_537	UGAGAAUCUUGAUGAUGCUGC	UGAGAAUCUUGAUGAUGCUC	21	1127	122.08922	159.53031	150.72615	23.34565
miR159g	Total_Unique_564	UUGGACUGAAGGGAGCUCCA	CUGGACUGAAGGGAGCUCUA	20	1098	78.998904	65.129346	119.90539	173.20966
miR396h	Total_Unique_588	UUCUACAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	1063	42.192597	100.98708	232.63335	53.469069
miR167b	Total_Unique_608	UGAAGCUGCCAGCAUGAUCUGA		22	1045	122.08922	99.157599	167.61423	39.536988
miR159h	Total_Unique_622	UUUGGAUUGAAGGGGGCUCUA		21	1025	72.714901	50.859433	88.240236	193.91951
miR172e	Total_Unique_626	GAGAAUCUUGAUGAUGCUGCA	GUGAAUCUUGAGGAUGCUGCA	21	1024	137.35037	81.960525	147.77073	54.222155

miR159i	Total_Unique_649	UUCGGAUUGAAGGGAGCUCUA		21	998	44.885741	45.00511	88.240236	213.12319
miR172f	Total_Unique_673	AGAAUCUUGAUGAUGCUGCA	UGAAUCUUGAGGAUGCUGCA	20	974	161.58867	68.788298	126.23842	47.820928
miR396i	Total_Unique_683	UUCCACAGCUUUCUUGAACUGA	UUCCAUAAGCUUUCUUGAUCUGA	22	967	157.10009	79.399259	157.48138	10.166654
miR159j	Total_Unique_686	UUUGGAUUGAAGGGAGCCCUA		21	965	68.226326	56.347861	91.195651	166.80844
miR159k	Total_Unique_737	UUUGGAUUGAAGGGAACUCUA		21	921	12.11915	13.538122	76.418578	254.54289
miR159l	Total_Unique_750	UUUGGAUUGAGGGGAGCUCUA		21	914	65.533182	47.932271	75.996376	172.08003
miR159m	Total_Unique_790	UUUGGAUUGAAGGGCGCUCUA		21	877	17.056582	11.342751	84.86262	228.56144
miR159n	Total_Unique_838	UUUGGAUUGAAGGGACCUCUA		21	840	29.175732	19.758341	61.641505	216.51208
miR166a	Total_Unique_877	UCGGACCAGGCUUCAUUCCCC	UCGGACCAGGCUUCAUUCCCC	21	817	105.93035	118.91594	57.419484	45.185129
miR172g	Total_Unique_894	AGAAUCUUGAUGAUGCUGCAGA		22	806	110.86778	36.955415	84.440418	97.148028
miR159o	Total_Unique_919	CUUGGAUUGAAGGGAGCUCUA		21	790	55.209462	45.7369	79.796195	132.91959
miR159p	Total_Unique_929	UUUGGAUUGAAGGGAGCUGUA	UUUGGAUUAAGGGAGCUGUA	21	781	1.7954296	0.3658952	70.085547	229.69107
miR390a	Total_Unique_973	AAGCUCAGGAGGGAUAGCGCC	AAGCUCAGGUAGGAUAGCGCC	21	760	147.22523	73.17904	35.887177	55.351783
miR159-1	Total_Unique_980	UUUGGAUUGAAGGGAUCUCUA		21	757	20.647441	21.221922	61.641505	190.90717
miR159-2	Total_Unique_985	UUUGAAUUGAAGGGAGCUCUA		21	755	24.2383	13.172227	66.285728	191.28371
miR159-3	Total_Unique_1035	UUUGGAUUGAAGGGAGCUCCA		21	734	47.130028	39.882577	57.419484	144.59241
miR159-4	Total_Unique_1051	UUUGGACUGAAGGGAGCUCUA	ACUGGACUGAAGGGAGCUCUA	21	724	49.374315	34.028254	59.530494	143.08624
miR159-5	Total_Unique_1093	UUUGGGUUGAAGGGAGCUCUA		21	707	61.493465	37.687206	70.085547	113.33937
miR159-6	Total_Unique_1095	UCUGGAUUGAAGGGAGCUCUA	ACUGGACUGAAGGGAGCUCUA	21	706	52.965175	34.028254	63.752515	129.5307
miR159-7	Total_Unique_1100	UUUGGAUUGAAGGGAGCUCUG		21	704	44.436884	31.466987	61.641505	140.45044
miR396-1	Total_Unique_1146	UUCCACAGCUUUUUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	684	35.010878	46.834586	135.94907	58.740668
miR159-8	Total_Unique_1158	UUUGCAUUGAAGGGAGCUCUA		21	681	19.300869	18.29476	53.197463	173.96275
miR159-9	Total_Unique_1168	UUUGUAUUGAAGGGAGCUCUA		21	678	14.363437	19.02655	67.974536	163.04301
miR159-10	Total_Unique_1170	UUUGGAUGGAAGGGAGCUCUA		21	677	47.130028	34.028254	55.730676	130.66033
miR172-1	Total_Unique_1229	AGAAUCUUGAUGAUGCUGCAA	UGAAUCUUGAUGAUGCUCCAA	21	658	101.44177	43.541529	86.129226	41.043159
miR408*	Total_Unique_1230	CAGGGAAGAGACAGAGCAUGG		21	658	35.908593	65.495241	38.842592	115.59862

miR172-2	Total_Unique_1232	AUCUUGAUGAUGCUGCAG	AUCUUGAGGAUGCUGCAC	18	658	74.959188	46.468691	70.507749	74.17892
miR172-3	Total_Unique_1255	GUAGCAUCAUCAAGAUUCACA	GCAGCAUCAUCAAGAUUCUCA	21	651	111.31664	65.495241	81.485003	11.672825
miR159-11	Total_Unique_1260	UUUGGAUUGGAGGGAGCUCUA		21	649	42.641454	35.85773	58.263888	119.74059
miR157-1	Total_Unique_1326	UUGACAGAAGAUAGAGAGCA	UUGACAGAAGAGAGAGAGCA	20	634	66.430897	33.296463	100.06189	59.493753
miR319-1	Total_Unique_1435	UUGGACUGAAGGGAGUUCCC		20	599	29.624589	65.861136	101.3285	42.54933
miR3954-1	Total_Unique_1451	ACAGAGAAAUCACGGUUG	ACAGAGAAAUCACGGUUU	18	595	61.493465	69.520088	20.687902	82.462861
miR167-1	Total_Unique_1623	UGAAGCUGCCAGCAUGAUCUG	UGAAGCUACCCGCAUGAUCUG	21	556	69.124041	38.418996	81.062801	39.536988
miR319-2	Total_Unique_1649	UUGGACUGAAGGGAGUUCCCU		21	552	28.726874	31.466987	64.596919	93.759143
miR172-4	Total_Unique_1660	GGAGCAUCAUCAAGAUUCAC	GCAGCAUCAUCAAGAUUCUC	20	550	35.908593	15.001703	157.05918	21.462936
miR159-12	Total_Unique_1753	UUUGGAUUGAAGGGAGCUAUA		21	529	11.221435	6.2202184	40.5314	147.22821
miR157-2	Total_Unique_1762	UUGACAGAAGAUAGAGAGC	UUGACAGUUGAUAGAGAGC	19	526	67.328612	31.466987	92.884459	26.357992
miR159-13	Total_Unique_1775	UUGGACUGAAGGGAGCUCUC	CUGGACUGAAGGGAGCUCUA	20	523	11.221435	14.635808	70.929951	109.1974
miR396-2	Total_Unique_1776	UUCCACAUCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	523	47.578886	59.640918	89.506843	15.814795
mi396-3	Total_Unique_1812	UUCCACAGCUUUCUUGAACUA	UUCCACAGCUUUCUUGAACUG	21	516	52.516317	45.7369	93.728864	19.580223
miR172-5	Total_Unique_1819	GCAGCAUCCUCAAGAUUCACA	GCAGCAUCAUCAAGAUUCUCA	21	515	56.107176	54.15249	86.551428	13.932081
miR319-3	Total_Unique_1834	UUGGACUGAAGGGAGUCCCC		20	513	37.704023	84.155896	68.396738	13.932081
miR396-4	Total_Unique_1848	CACAGCUUUCUUGAACUG	CACAGCUUUCUUGAGCUU	18	511	48.027743	30.735197	100.4841	30.876505
miR159-14	Total_Unique_1893	UUUGGAUUGAAGGGAGCUCUC		21	504	24.687158	17.56297	46.020028	109.95048
miR393-1	Total_Unique_1943	UCCAAAGGGAUCGCAUUGAUUU		22	496	51.618602	15.001703	5.4886271	123.12948
miR396-5	Total_Unique_1966	UUCCACAGCUUUCUUGAAUUG	UUCCACAGCUUUCUUGAACUG	21	492	16.607724	30.003406	79.373993	69.660407
miR172-6	Total_Unique_2007	GAAUCUUGAUGAUGCUGCAU	GAAUCUUGAUGAUGCUCUU	20	487	3.5908593	8.0496944	5.4886271	167.18498
miR393-2	Total_Unique_2159	UCCAAAGGGAUCGCAUUGAUCC		22	465	30.522304	33.662358	25.332125	92.252972
miR160-1	Total_Unique_2258	UGCCUGGCUCCUGUAUGCCA	UGCCUGGCUCCUGGAUGCCA	21	452	33.664306	92.937381	36.30938	13.932081
miR396-6	Total_Unique_2264	UUCCACAACUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	451	39.050595	50.493538	75.151972	18.074052
miR166-1	Total_Unique_2288	UUCGGACCAGGCUUCAUCCC	UUCGGACCAGGCUUCAUCCC	21	448	88.873767	53.054804	21.954509	19.956765
miR396-7	Total_Unique_2406	UUCCACAGCCUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	435	34.562021	49.395852	72.618759	19.20368

miR319-4	Total_Unique_2656	UUGGACUGAAGGGAGCCCC		19	409	25.584872	30.369302	50.664251	56.104869
miR396-8	Total_Unique_2696	UUCCACACCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	405	38.15288	46.468691	64.174717	15.438252
miR168-1	Total_Unique_2901	CGCUUGGUGCAGGUCGGGAC		20	387	92.015769	9.8791704	15.621477	44.432044
miR319-5	Total_Unique_3311	UUGGACUAAAGGGAGCUC		20	355	26.03373	30.369302	46.44223	39.160445
miR172-7	Total_Unique_3402	AGAAUCUUGAUGAUGUUGCAG		21	350	21.994013	30.735197	57.841686	30.123419
miR319-6	Total_Unique_3565	UUGGACUUAAGGGAGCUC		20	340	21.096298	26.71035	39.264794	47.820928
miR396-9	Total_Unique_3773	UUCACAGCUUUCUUGAACUG	UCCACAGCUUUCUUGAACUG	20	328	39.94831	22.685502	67.552334	6.4012266
miR159-15	Total_Unique_3865	UUUUGAUGAAGGGAGCUCUA		21	323	24.2383	18.29476	28.709742	56.857954
miR168-2	Total_Unique_3870	UCGCUUGGUGCAGGUCGGGA		20	323	26.03373	16.099389	18.15469	67.024608
miR172-8	Total_Unique_3956	AUCUUGAUGAUGCUGCAU	AUCUUGAUGAUGCUC	18	318	32.317734	27.808035	31.665157	35.771561
miR396-10	Total_Unique_3981	UUCUACAGCUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	317	40.846024	24.149083	58.68609	7.9073976
miR396-11	Total_Unique_4033	CUCCACAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	314	21.994013	30.369302	56.997282	17.697509
miR319-7	Total_Unique_4111	UUGGACUGAAGGGAGCCCC		20	310	19.749726	24.149083	43.064613	36.901189
miR164-1	Total_Unique_4126	UGGAGAAGCAGGGCACGUGC	UGGAGAAACAGGACAGUGC	20	310	35.459735	25.612664	57.419484	9.4135686
miR159-16	Total_Unique_4239	UUUGGAUUGAAGGGAGCUA	UUUGGAUGGAACGGAGCUA	19	304	15.261152	14.269913	22.798913	66.648065
miR393-3	Total_Unique_4241	UCCAAAGGGAUCGCAUUGAUCA		22	304	22.891728	7.6837992	2.9554146	84.722117
miR168-3p	Total_Unique_4262	CCCGCCUUGCAUCAACUGA	ACCGCCUUGCAUCAACUGA	19	303	43.988026	28.905721	15.199275	33.888847
miR396-12	Total_Unique_4274	UUCCACAGCUUUCUUGAAUU	UUCCACAGCUUUCUUGAACU	20	302	31.868876	44.273319	36.731582	8.6604831
miR168-4	Total_Unique_4316	UUGCUUGGUGCAGGUCGGGAC		21	300	12.11915	14.269913	19.421296	70.790036
miR172*	Total_Unique_4496	GCAGCAUCCUCAAGAUUCAC	GCAGCAUCAAGAUUCUC	20	293	35.010878	21.587817	52.353059	12.049368
miR159-17	Total_Unique_4573	UUUCGAUUGAAGGGAGCUCUA		21	290	21.545156	20.490131	25.754327	47.067843
miR396-13	Total_Unique_4619	UUCCACAGCUUCCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	288	22.442871	36.58952	41.375805	15.06171
miR172-9	Total_Unique_4641	AGAAUCUUGAUGAUGCUGUAG		21	287	30.522304	21.953712	51.086453	14.308624
miR396-14	Total_Unique_4816	UUCCACAGCUCUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	281	22.442871	29.271616	50.242048	12.049368
miR172-10	Total_Unique_4854	GAAUCUUGAUGAUGCUGCAG	GAAUCUUGAGGAUGCUGCAC	20	279	2.2442871	4.7566376	3.3776167	95.265314
miR396-15	Total_Unique_4954	UUCCACAGCUUUCUUGAGCUG	UCCACAGCUUUCUUGAGCUC	21	276	23.789443	26.344454	50.664251	11.672825

miR319-8	Total_Unique_4984	UUGGACUCAAGGGAGCUCCC		20	275	15.261152	22.319607	35.042773	36.524646
miR167-2	Total_Unique_4995	UGAAGCUGCCAGCAUGAUCUU		21	274	47.578886	36.955415	21.110104	6.4012266
miR159-18	Total_Unique_5032	UUUGGAUUGAAGCGAGCUCUA		21	273	17.505439	19.392446	24.487721	46.314757
miR396*-5	Total_Unique_5050	GUUCAAUAAAGCUGUGGGAA	GUUCAAGAAAGCUGUGGAAA	20	272	44.436884	6.9520088	36.731582	25.228364
miR396-16	Total_Unique_5167	UUCCACAGCUUCCUGAACUG	UUCCACAGCUUUCUUGAACUG	21	268	24.2383	27.808035	44.753421	12.049368
miR169-1	Total_Unique_5352	GCCAAGGAUGACUUGCCGA	GCCAAGGACGACUUGCCGG	19	262	0	0.3658952	0	98.277656
miR396-17	Total_Unique_5442	UUCCACAGUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	259	25.584872	25.246769	48.975442	6.4012266
miR396-18	Total_Unique_5478	UCCCACAGCUUUCUUGAACUG	UCCCACAGCUUUCUUGAGCUC	21	258	21.545156	25.612664	45.175623	12.425911
miR396-19	Total_Unique_5532	UUUCACAGCUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	256	31.868876	28.17393	38.842592	6.0246839
miR396-20	Total_Unique_5565	UUCCACAGCUUUCUUGGACUG	UUCCACAGCUUUCUUGAACUG	21	254	27.380302	23.783188	43.064613	9.7901113
miR393-4	Total_Unique_5600	UCCAAGGGAUCGCAUUGAUCU		22	253	12.11915	20.856026	4.2220209	59.870296
miR319-9	Total_Unique_5640	UUGGACUGAAGGGAGCUUUC		20	252	6.7328612	8.0496944	30.39855	53.845612
miR159-19	Total_Unique_5695	UUAGGAUUGAAGGGAGCUCUA		21	250	3.1420019	2.1953712	23.643317	68.154236
miR159-20	Total_Unique_5736	UUUAGAUUGAAGGGAGCUCUA		21	249	19.749726	12.806332	19.421296	46.6913
miR159-21	Total_Unique_5833	UUUGGAUUGAAAGGAGCUCUA		21	246	17.954296	17.197074	24.909923	37.654274
miR159-22	Total_Unique_5895	UUUGGAUUGAACGGAGCUCUA		21	245	15.261152	14.635808	22.376711	44.432044
miR319-10	Total_Unique_5963	UUGGACUGAAGGGAGUCCCU		21	243	18.852011	25.246769	29.976348	22.969107
miR396-21	Total_Unique_6026	UUCCACAGCUUUCUUGAACUC	UCCCACAGCUUUCUUGAGCUC	21	241	32.766591	20.124236	39.264794	7.5308549
miR394-1	Total_Unique_6044	UGGCAUUCUGUCCACCUCC	CGACAUUCUGUCCACCUCC	19	240	105.03263	0.3658952	0.8444042	1.1296282
miR396-22	Total_Unique_6057	UUCCACAGCUUUCUGAACUG	UUCCACAGCUUUCUUGAACUG	21	240	25.136015	23.783188	38.842592	10.166654
miR396-23	Total_Unique_6132	UUCCGACGUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	238	17.954296	25.246769	41.798007	11.296282
miR159-23	Total_Unique_6322	UUUGGAUUGAAUGGAGCUCUA		21	233	13.016865	8.4155896	21.110104	49.327099
miR396-24	Total_Unique_6431	UUCCACAGCUUUCUUGAAUUU	UUCCACAGCUUUCUUGAACUG	21	231	26.03373	20.490131	38.842592	9.4135686
miR168-5	Total_Unique_6489	UCGUUUGGUGCAGGUCGGAC		21	229	11.221435	5.8543232	11.399456	60.623382
miR319-11	Total_Unique_6606	UUGGACUGAGGGGAGCUCCC		20	226	9.874863	15.001703	21.954509	41.796244
miR168-6	Total_Unique_6617	UCGCUUGGUGCAGGUCGGG	UCGCUUGGUGCAGGUCGGG	19	226	11.670293	13.172227	17.310286	46.314757

miR167-3	Total_Unique_6645	GAAGCUGCCAGCAUGAUCUA		20	225	99.646345	0	0.4222021	0.7530855
miR159-24	Total_Unique_6653	UUUGGAUUCAAGGGAGCUCUA		21	225	18.852011	17.56297	17.732488	35.018475
miR396-25	Total_Unique_6684	CUCAAGAAAGCUGUGGGA	UUCAAGAAAGCUGUGGAA	18	224	20.198583	10.976856	16.465881	41.419702
miR169-2	Total_Unique_6721	CCAAGGAUGACUUGCCGA	CCAAGGACGACUUGCCGG	18	223	0	80.862839	0	0.7530855
miR828	Total_Unique_6766	UCUUGCUCAAAUGAGUAUUCCA		22	222	14.363437	16.465284	17.732488	38.783902
miR159-25	Total_Unique_6826	UUGGACUGAAGGGAGCUCGC		20	221	0	0	27.443136	58.740668
miR396-26	Total_Unique_7033	UUCCACAGCUUUUCUUGAACCG	UCCCACAGCUUUUAUUGAACCG	21	216	22.442871	23.051398	34.620571	7.9073976
miR172-11	Total_Unique_7063	AGAAUCUUGAUGAUGUUGCAU		21	216	17.056582	16.465284	34.620571	19.20368
miR159-26	Total_Unique_7209	UUUGGCUGAAGGGAGCUCUA		21	212	16.158867	10.610961	20.2657	37.277732
miR171-1	Total_Unique_7211	UGAGCCGCGUCAAUUCUCC	UCAGCCGCGUCAAUUCUCC	20	212	93.811199	0.7317904	0.4222021	0
miR159-27	Total_Unique_7290	UUUGGAUUGAAGAGAGCUCUA		21	211	16.607724	10.610961	22.798913	34.26539
miR319-12	Total_Unique_7325	UUGGACUUAAGGGAGCUCUCCU		21	210	13.91458	13.172227	20.687902	35.395018
miR396-27	Total_Unique_7363	UUCCACAGCUUUUUUGAACUU	UUCCACAGCUUUUCUUGAACUG	21	209	21.545156	24.880874	32.509561	6.0246839
miR172-12	Total_Unique_7371	GUAGCAUCAUCAAGAUUCAC	GCAGCAUCAUCAAGAUUCUC	20	209	24.687158	17.56297	35.042773	8.6604831
miR396-28	Total_Unique_7445	UUCCACGGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	207	16.607724	20.124236	40.109198	7.5308549
miR319-13	Total_Unique_7466	UUGGACUGAAGGGGGCUCUCC		20	207	13.016865	10.976856	24.487721	33.888847
miR319-14	Total_Unique_7483	UUGGGCUGAAGGGAGCUCUCC		20	206	9.874863	9.8791704	20.2657	41.043159
miR162-1	Total_Unique_7686	UCGAUAAACCUCUGCAUCUAG		21	202	13.91458	16.465284	43.064613	9.0370258
miR159-28	Total_Unique_7701	UUGGGAUUGAAGGGAGCUCUA		21	202	2.6931445	1.0976856	22.376711	52.715984
miR3954-2	Total_Unique_7866	CGAACAGAGAAAUCACGG	CGAACAGAGAAAACACGG	18	199	83.487478	1.4635808	2.5332125	1.1296282
miR164-2	Total_Unique_7923	UGGAGAAGCAGGGUACGUGCA		21	198	12.11915	20.490131	19.421296	25.981449
miR159-29	Total_Unique_7962	UUUGGAUUGAAGGCAGCUCUA		21	197	15.261152	11.708646	14.777073	36.148103
miR319-15	Total_Unique_8073	UUGGACUGAAGGGAGCUCUCU		21	195	1.7954296	5.1225328	18.999094	49.703642
miR171-2	Total_Unique_8105	UGAGCCGCGCCAUAUCACU		20	195	87.527195	0	0	0
miR159-30	Total_Unique_8170	UUUGGAUUGAAGGAAGCUCUA		21	194	13.91458	9.5132752	19.421296	34.26539
miR447	Total_Unique_8253	ACUCUCUCUCAAGGGCUUCUG	ACUCUCUCUCAAGGGCUUCUG	21	192	34.562021	10.245066	33.353965	3.0123419

miR390*-1	Total_Unique_8254	CGCUAUCUAUCCUGAGUUUCA		21	192	18.403154	34.760044	7.5996376	14.308624
miR319-16	Total_Unique_8292	UUGGACUGAAGGGGAGAUCCC		20	192	2.6931445	2.1953712	27.865338	42.925873
miR164-3	Total_Unique_8361	UGGAGAAUCAGGGCAGUGCA		21	191	11.670293	32.930568	20.687902	9.7901113
miR398-1	Total_Unique_8402	UGUGUUCUCAGGUCGCCCCUG	UGUGUUCUCAGGUCACCCUU	21	190	27.829159	41.712053	2.5332125	3.0123419
miR159-31	Total_Unique_8571	UUUGGAUUAAAGGGAGCUCUA	UUUGGAUUAAUGGGAGCUGUA	21	187	10.772578	13.172227	21.110104	28.993791
miR319-17	Total_Unique_8787	CUGGACUGAAGGGAGCUCCC	GUGGACUGAAGGAAGCUCCC	20	184	7.1817186	13.172227	25.754327	26.734535
miR157-3	Total_Unique_8848	UUGACAGAAGAUAGAGAGCAA		21	183	13.465722	9.5132752	30.39855	20.709851
miR396-29	Total_Unique_9069	CCACAGCUUUCUUGAACUG	CCACAGCUUUCUUGAGCUC	19	179	26.03373	8.4155896	18.576892	20.333308
miR396-30	Total_Unique_9090	UUCCACAGCUUUCUUGAACUGC	UUCCACAGCUUUCUUGAGCUUC	22	179	25.136015	16.465284	27.020934	5.2715984
miR159-32	Total_Unique_9118	UUUGGAUUUAAGGGAGCUCUA		21	179	9.4260056	8.0496944	17.732488	35.395018
miR319-18	Total_Unique_9215	UUGGACUGAAGGGAGCUUCCU		21	177	6.7328612	7.6837992	18.999094	36.148103
miR473	Total_Unique_9222	ACUCUCUCUCAAGGGCUUCU	ACUCUCUCUCAAGGGCUUCU	20	177	35.010878	6.9520088	30.39855	3.0123419
miR159-33	Total_Unique_9252	UUUGGAUUGCAGGGAGCUCUA		21	177	11.670293	6.9520088	16.043679	35.395018
miR169-3	Total_Unique_9424	UAGCCAAGGAUGACUUGCCUA		21	174	31.420019	20.124236	15.199275	4.8950557
miR319-19	Total_Unique_9432	UCGGACUGAAGGGAGCUCCC		20	174	9.4260056	12.440437	18.999094	27.864163
miR319-20	Total_Unique_9440	UUGGACUGAAGGGAGUUCCUU		21	174	14.363437	16.831179	24.065519	14.685167
miR172-13	Total_Unique_9554	AAGAAUCUUGAUGAUGCUGCAU		22	172	6.7328612	7.317904	25.332125	28.993791
miR162-2	Total_Unique_9606	UUGAUAAACCUCUGCAUCCAG		21	172	10.772578	19.02655	35.887177	4.1419702
miR319-21	Total_Unique_9844	UUGGACUAAAGGGAGCUCCCU		21	169	10.772578	13.172227	18.15469	24.851821
miR162-3	Total_Unique_9879	UCGAUAAACCUCUGCAUCCAA		21	168	26.03373	14.635808	22.798913	6.0246839
miR396-31	Total_Unique_9894	UUCCACAGCUUUCUUAACUG	UUCCACAGCUUUCUUGAACUG	21	168	3.5908593	8.4155896	41.798007	14.308624
miR159-34	Total_Unique_9990	UUUGGAUUGACGGGAGCUCUA		21	167	13.91458	12.074542	13.932669	26.357992
miR319-22	Total_Unique_10122	UUGGACCGAAGGGAGCUCCC		20	165	10.32372	10.245066	18.576892	26.357992
miR396-32	Total_Unique_10387	UUCCACAACUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	161	27.829159	15.367598	21.110104	2.6357992
miR166-2	Total_Unique_10470	UCGGACCAGGCUUCAUCC	UCGGACCAGGCUUCAUCC	19	160	1.7954296	2.5612664	61.219303	1.506171
miR396-33	Total_Unique_10488	UCCACAGCUUUCUUGAAC	CCCACAGCUUUCUUGACC	18	160	70.919471	0	0.8444042	0

miR396-34	Total_Unique_10569	UUCCACAUCUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	159	21.994013	17.928865	23.221115	2.2592565
miR319-23	Total_Unique_10623	UUGGAUUGAAGGGAGCUCCC		20	158	8.5282908	14.635808	21.110104	18.450594
miR319-24	Total_Unique_10774	UUGGACUGAAGGGAGCCCCU		21	157	7.1817186	11.708646	18.576892	24.475278
miR319-25	Total_Unique_10790	UUGGACUGGAGGGAGCUCCC		20	156	9.874863	12.440437	16.043679	23.34565
miR168-7	Total_Unique_10941	UCGCUUGUUGCAGGUCGGGAC		21	155	11.670293	7.6837992	10.13285	31.62959
miR164-4	Total_Unique_10979	UGGAGAAGUAGGGCACGUGCA	UGGAGAAGGAGAGCACGUGCA	21	154	8.9771482	9.8791704	23.221115	19.580223
miR319-26	Total_Unique_11031	UUGGACUGAAGGGAGUUCU		20	154	8.0794334	9.14738	13.088265	30.123419
miR319-27	Total_Unique_11338	UUGGACUCAAGGGAGCUCCU		21	151	12.568008	12.440437	12.666063	22.216022
miR319-28	Total_Unique_11352	UUGGACUGAAGGGAGCUCCUC		21	151	11.670293	6.2202184	14.354871	27.864163
miR319-29	Total_Unique_11454	UUGGACUGAAGGGAGCUUUUU		21	150	10.32372	9.8791704	15.621477	23.722193
miR164-5	Total_Unique_11661	UGGAGAAGCAGGGCAUGUGCA		21	147	8.5282908	16.831179	23.221115	10.166654
miR172-14	Total_Unique_11724	GAGAAUCUUGAUGAUGCUGC	GUGAAUCUUGAUGAUGCUC	20	147	64.18661	0	1.6888084	0
miR157-4	Total_Unique_11883	UUGACAGAAGAUAGAGAGUAC		21	145	10.772578	8.0496944	27.865338	12.425911
miR172-15	Total_Unique_11994	AGAAUCUUGAUGAUGCUGCAGU	UGAAUCUUGAUGAUGCUCACAGU	22	144	21.096298	7.317904	21.954509	9.4135686
miR157-5	Total_Unique_12126	UUGAUAGAAGAUAGAGAGCAC		21	143	7.1817186	5.1225328	24.065519	21.086394
miR396?	Total_Unique_12189	UCAAUAAAGCUGUGGGAAG	UCAAGAAAGCUGUGGAAAG	19	142	43.539169	3.2930568	8.8662438	5.6481411
miR162-4	Total_Unique_12199	UCGAUAAACCUCUGCAUUU		19	142	17.954296	15.367598	20.2657	4.5185129
miR319-30	Total_Unique_12335	UUGGCCUGAAGGGAGCUCCC		20	141	5.3862889	2.9271616	18.15469	29.370334
miR159-35	Total_Unique_12552	UUUGGAUUGAAGGGUGCUCUA		21	139	6.7328612	5.8543232	19.843498	22.969107
miR396-35	Total_Unique_12601	UUCCAUAGCUUUCUUGAACUU	UUCCAUAGCUUUCUUGAUCUG	21	139	13.91458	12.806332	27.865338	2.6357992
miR319-31	Total_Unique_13090	UUGGACUGAACGGAGCUCCC		20	134	5.8351463	7.6837992	15.199275	24.098736
miR172-16	Total_Unique_13126	AGAAUUUGAUGAUGCUGCAG		21	134	5.3862889	5.1225328	24.487721	18.827137
miR396-36	Total_Unique_13228	UUCCACAGCCUUCUUGAACUU	UCCACAGCCUUCUUGAGCUU	21	133	20.647441	15.367598	14.777073	3.7654274
miR172-17	Total_Unique_13421	AGAAUCUUGAUGAUGCUGUAA		21	131	13.91458	10.245066	19.843498	9.4135686
miR396-37	Total_Unique_13433	UUCCACAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	131	5.3862889	7.6837992	24.487721	15.06171
miR162-5	Total_Unique_13503	UCGAUAAACCUCUGCAUUCAG		21	131	10.32372	9.8791704	25.754327	7.5308549

miR159-36	Total_Unique_13610	UUUGGAUUGAAGGGAGCUUUU		21	130	5.3862889	4.3907424	13.088265	28.240706
miR396-38	Total_Unique_13666	UUCCCCAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	129	7.630576	6.2202184	29.554146	9.4135686
miR159-37	Total_Unique_13929	UUUGGAUUGAAGGUAGCUCUA		21	127	7.630576	7.6837992	11.821658	22.969107
miR396-39	Total_Unique_13942	CUCCACAGCUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	127	18.403154	13.538122	19.843498	0.7530855
miR159-38	Total_Unique_13948	UUUGGAUUGAAGGGAGCUCCC		21	127	3.1420019	3.2930568	5.9108292	36.524646
miR396-40	Total_Unique_14004	UUCCACACCUUUCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	126	22.442871	13.904018	16.043679	0
miR164-6	Total_Unique_14072	UGGAGAAACAGGGCAGUGCA	UGGAGAAACAGGACACGUGCU	21	126	6.7328612	24.149083	15.621477	3.0123419
miR159-39	Total_Unique_14281	UUUGGACUGAAGGGAGCUCCC		21	124	8.9771482	8.4155896	8.4440418	22.969107
miR164-7	Total_Unique_14284	UGGAGAACCAGGGCAGUGCA		21	124	6.7328612	23.783188	13.088265	4.8950557
miR396-41	Total_Unique_14324	UUUUACAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	124	9.874863	13.538122	22.376711	4.5185129
miR168-8	Total_Unique_14439	UCGCUUGAUGCAGGUCGGGAC	UCGCUAGAUUCAGGUCGGGAC	21	123	10.32372	5.488428	6.7552334	25.981449
miR168-9	Total_Unique_14443	CUUGGUGCAGGUCGGGAC		18	123	9.4260056	4.7566376	6.7552334	27.48762
miR159-40	Total_Unique_14605	UUGGACUGAAGGGAGCUCUU	CUGGACUGAAGGGAGCUCUA	20	122	4.9374315	5.488428	16.465881	21.462936
miR396-42	Total_Unique_14615	UUCCACAGCUUUCUUGAACUUU	UCCCACAGCUUUCUUGAGCUUU	22	122	18.852011	12.074542	18.999094	0.7530855
miR396-43	Total_Unique_14788	CCCACAGCUUUUUGAACU	CCCACAGCUUUUUCGAACC	19	120	14.812295	5.8543232	18.576892	10.166654
miR319-32	Total_Unique_14952	UUGGACUGAGGGGAGCUCCCU		21	119	5.3862889	6.2202184	12.666063	22.592565
miR319-33	Total_Unique_14983	UUGGACUGAAGGGAGCUCAC		20	119	0.8977148	2.1953712	16.043679	27.48762
miR319-34	Total_Unique_15060	UUGGACUGAAGGGAACUCCC		20	119	5.8351463	5.488428	13.932669	21.839479
miR396-44	Total_Unique_15213	CCACAGCUUUCUUGAACU	CCACAGCUUUCUUGAGCU	18	117	11.670293	11.708646	10.977254	12.425911
miR396-45	Total_Unique_15516	UUCCACAGCUUUCUUGAGCUU	UCCCACAGCUUUCUUGAGCUC	21	115	17.505439	13.172227	12.666063	3.7654274
miR172-18	Total_Unique_15842	AGAAUCUUGAUGAUGCUGUAU		21	113	8.9771482	9.8791704	15.621477	10.91974
miR168-10	Total_Unique_15986	UCGCUUGGCGCAGGUCGGGAC		21	112	6.2840038	6.5861136	8.4440418	22.592565
miR319-35	Total_Unique_16097	UUGGACUGAAGGGACCUCCC		20	112	7.630576	9.8791704	15.621477	11.672825
miR319-36	Total_Unique_16124	UUGGGCUGAAGGGAGCUCCCU		21	111	6.2840038	6.5861136	11.399456	19.580223
miR168-11	Total_Unique_16224	UCGCUUGGUGUAGGUCGGGAC		21	111	2.6931445	4.7566376	7.1774355	28.240706
miR159-41	Total_Unique_16246	UUGGACUGAAGGGAGCUCUA	CUGGACUGAAGGGAGCUCUA	20	111	5.3862889	2.9271616	5.9108292	28.993791

miR172-19	Total_Unique_16280	AGAAUCUUGAUGAUGCUGC	UGAAUCUUGAUGAUGCUC	19	110	18.403154	6.5861136	16.465881	4.5185129
miR319-37	Total_Unique_16465	CUGGACUGAAGGGAGCUCCU	GUGGACUGAAGGAAGCUCCU	21	109	5.3862889	7.317904	10.555052	19.580223
miR162-6	Total_Unique_16526	UCGAUAAACUUCUGCAUCCAG		21	109	12.568008	10.245066	18.999094	3.0123419
miR396-46	Total_Unique_16687	UUCCUCAGCUUUCUUGAACUG	UUCCACAGCUUUCUUGAACUG	21	108	2.2442871	2.9271616	26.598732	12.049368
miR319-38	Total_Unique_16707	UUGGACUGAAGGGAGCUCCUA		21	108	9.874863	3.2930568	9.2884459	20.709851
miR159-42	Total_Unique_16799	UUUGGAUUGAUGGGAGCUCUA	UUUGGAUUAUUGGGAGCUGUA	21	107	8.9771482	6.2202184	8.8662438	18.450594
miR396-47	Total_Unique_16909	CACAGCUUUCUUGAACUU	CACAGCUUUCUUGAGCUU	18	107	13.016865	6.5861136	18.576892	6.0246839
miR396-48	Total_Unique_16949	UUCCACAGCUUUCUUGAAGUG	UUCCACAGCUUUCUUGAACUG	21	106	0	0.3658952	30.820752	12.049368
miR396*-6	Total_Unique_17027	UCAAGAAAGCUGUGGGAGA	UCAAGAAAGCUGUGGAAGA	19	106	5.8351463	2.5612664	26.176529	9.0370258
miR396-49	Total_Unique_17181	UUCCACAGCUUUCUUGAACCU	UUCCACAGCUUUCUUGAACUG	21	105	16.158867	10.245066	15.199275	1.8827137
miR408	Total_Unique_17261	UGCACUGCCUCUCCUGGCU		21	105	13.91458	17.56297	10.555052	0.3765427
miR2111	Total_Unique_17294	UAAUCUGCAUCCUGAGGU	UAAUCUACAUCCAGAGGU	18	104	18.403154	9.5132752	5.4886271	9.0370258
miR396-50	Total_Unique_17368	GUUCAAUAAAGCUGUGGGA	GUUCAAGAAAGCUGUGGAA	19	104	8.0794334	6.5861136	10.13285	16.567881
miR396-51	Total_Unique_17423	UUCCACAGCUUUCUCGAACUU	UUCCACAGCUUUCUUGAACUG	21	104	12.11915	11.708646	16.465881	2.2592565
miR156-1	Total_Unique_17471	UUGACAGAAGAUAGAGAGCAU		21	104	10.772578	7.6837992	20.687902	3.7654274
miR159-43	Total_Unique_17655	UUUGGAUUGAAGGGAGAUCUA		21	102	9.874863	6.5861136	9.2884459	15.06171
miR172-20	Total_Unique_17661	AGAAUUUGAUGAUGCUGCAU		21	102	4.4885741	3.658952	19.843498	13.178996
miR396-52	Total_Unique_17820	UUCCACAGCUUUCUUUAAACUG	UUCCACAGCUUUCUUGAACUG	21	101	2.6931445	4.3907424	27.020934	7.1543121
miR172-21	Total_Unique_17848	UGCAGCAUCCUCAAGAUUCAC	UGCAGCAUCAUCAAGAUUCUC	21	101	12.11915	12.440437	10.555052	5.6481411
miR396-53	Total_Unique_17883	UUCCACAGCUUCCUUGAACUU	UUCCACAGCUUUCUUGAACUG	21	101	14.363437	13.904018	11.399456	1.506171
miR396-54	Total_Unique_17896	UUCCACAGCUUUCUUGAAAUG	UUCCACAGCUUUCUUGAACUG	21	101	3.5908593	3.2930568	27.020934	7.5308549
miR396*-7	Total_Unique_17901	UUCAAGAAAGCUGUGGGAGA	UUCAAGAAAGCUGUGGAAGA	20	101	4.9374315	6.5861136	15.621477	13.178996
miR164-8	Total_Unique_17993	UGGAGAAGCAGGGCACGUG	UGGAGAAACAGGACACGUG	19	100	11.670293	9.14738	14.354871	5.6481411
miR319-39	Total_Unique_18020	UUAGACUGAAGGGAGCUCCC		20	100	3.1420019	4.3907424	11.399456	20.333308
miR319-40	Total_Unique_2616	UUGGACUGAAGGGAGCUUCC		20	412	16.158867	27.44214	76.84078	44.808586
miR159-44	Total_Unique_3021	UUUGGAUUGAAGUGAGCUCUA		21	376	24.687158	13.904018	27.443136	82.086318

Supplementary table 3: Novel miRNA candidates in *A. sinensis*

miRNA	5p			3p			precursor	Start,end precursor
	Sequence (5'-3')	Length (nt)	Reads number	Sequence (5'-3')	Length (nt)	Reads number		
miR-novel-001				ATTATTAATACGAAATTAAGTGA	24	18	Zhang_Cluster64416.seq.Contig107+	544_614
miR-novel-002	AAATCTTTAGGAATTTAAGTGGT	24	11	GTACTAATTTAGAGTCTAAAGGT	24	3	Zhang_Cluster63748.seq.Contig14+	349_441
miR-novel-003	TCAGAGTTCGGTGGCGAGGC	21	3				Zhang_Cluster63687.seq.Contig7-	426_663
miR-novel-004	ACACACACACACACACA	19	3				Zhang_Cluster4815-	12_95
miR-novel-005	ATCTTCGCGTCGGCCGACTTCC	23	2	GAAGTCGGCCAACGGCGAAGATGC	24	4	Zhang_Cluster64091.seq.Contig17+	392_630
miR-novel-006	GTGGCTCGGGGAGTTCTCTAGCTC	24	2	GAGCTAGAGAACTCCCGAGCCAC	24	8	Zhang_Cluster63830.seq.Contig5+	822_1059
miR-novel-007	CACTTGGATCCTGGAGGGTT	20	5				Zhang_Cluster64416.seq.Contig76-	894_987
miR-novel-008				TATGTTGATGATATGATAGTCAAG	24	8	Zhang_Cluster63889.seq.Contig3-	178_415
miR-novel-009	GGAATAGTTATCAGAGGACCCGAA	24	3				Zhang_Cluster64410.seq.Contig44+	1028_1266
miR-novel-010				GACCACGGCCACGACCCGAAGAC	24	4	Zhang_Cluster64296.seq.Contig36+	950_1186
miR-novel-011	ACTTGACTTCTGAGTTTGAGGTG	24	3				Zhang_Cluster25179-	1058_1296
miR-novel-012	TCGAGGTTCAAGGAGAGTTCCTTA	24	4				Zhang_Cluster63629.seq.Contig3+	846_991
miR-novel-013	ATGACCGTGATCACGGTGGA	23	9				Zhang_Cluster63498.seq.Contig1-	422_499
miR-novel-014				CTGCCTCGCCACCCGAACTCTGAG	24	5	Zhang_Cluster63687.seq.Contig7+	426_663
miR-novel-015	TAACTTGAGCTGAAGTCCAGCTA	23	8	AGCTGACTTGAGCTGAAGTCCAGC	24	2	Zhang_Cluster64101.seq.Contig21+	498_736
miR-novel-016				AACTGACCAACTTATCTTGTGGAC	24	4	Zhang_Cluster17154+	179_417
miR-novel-017	CGTCGTAGTTTGCGGGAC	18	6				Zhang_Cluster63065.seq.Contig1-	413_614
miR-novel-018	GTTCCCTACATGTGAGTCACATAC	24	3				Zhang_Cluster63430.seq.Contig1-	26_149
miR-novel-019				AGGATTGGTATTGCTCCTTTA	21	3	Zhang_Cluster61884.seq.Contig1+	545_622
miR-novel-020	AAGTTTCTAAGACTTAAGTCAGGA	24	8				Zhang_Cluster4023+	457_574
miR-novel-021	ATCTTTATCCGAGGTCGCTGATA	24	5	ATCAGCAACCTCGGAATAAAGATG	24	2	Zhang_Cluster63216.seq.Contig4+	215_453
miR-novel-022				AGGGACGATTAAGCAACATTTGAT	24	17	Zhang_Cluster60443.seq.Contig1-	918_1155

miR-novel-023			GATGAATACTTGAACCCATTAGCA	24	5	Zhang_Cluster64083.seq.Contig16-	1060_1290	
miR-novel-024	AATCTTACTAAATTTTATGAATT	24	10			Zhang_Cluster63681.seq.Contig15-	1112_1349	
miR-novel-025			TTGGTAATTGAAAGTGAAGAT	21	6	Zhang_Cluster62880.seq.Contig6+	668_842	
miR-novel-026	TAGCCGTCGCTAAATTAGTGA	21	2	TCGCTAAGTTAGTGACGGTTAGAC	24	6	Zhang_Cluster61895.seq.Contig2-	445_670
miR-novel-027			CGAAACCCCTCCAGGATCCAAGTG	23	10	Zhang_Cluster64416.seq.Contig76+	894_987	
miR-novel-028	CTAATTTAGTGACGGTTAGCT	21	2	GTTAGCCGTTACTAAATTTAGTGA	24	4	Zhang_Cluster5825-	320_558
miR-novel-029a	AGCTGGACTTCAGCTCAAGTCAGC	24	9			Zhang_Cluster64101.seq.Contig19+	308_457	
miR-novel-029b			AGCTGGACTTCAGCTCAAGTTAGC	24	9	Zhang_Cluster64101.seq.Contig14+	357_451	
miR-novel-030	TGTCGCCGACTGGGATGCCGAGGT24		6			Zhang_Cluster63950.seq.Contig6+	349_473	
miR-novel-031	GATTCATCATAGTCAATCATTGGC	24	7			Zhang_Cluster34503-	3_116	
miR-novel-032	ATCATCAGCGGGAGATCGATCCAT	24	5			Zhang_Cluster64401.seq.Contig18-	563_800	
miR-novel-033			TTCATTCCAACTTGTTGTGA	21	42	Zhang_Cluster64101.seq.Contig21-	821_1058	
miR-novel-034	GGGAGTTCGCGCTTCGGGGAGAAT24		4	CTCCCGAAGGCGGAAGTCCCGAG	24	5	Zhang_Cluster63830.seq.Contig5-	822_1059
miR-novel-035a_1	TAGCTGGACTTCAGCTCAAGTCAG	24	3	AGCTCAAGTCAGCTCAAGTCAGCT	24	26	Zhang_Cluster64101.seq.Contig23+	2146_2340
miR-novel-035a_2	TAGCTGGACTTCAGCTCAAGTCAG	24	3	TAGCTGGACTTCAGTCACTTCAG	24	3	Zhang_Cluster64101.seq.Contig17+	203_337
miR-novel-035b	AGCTCAAGTCAGCTCACTTCAGCT	24	3	TCAAGGTAGCTAGACTTCAGCTCA	24	2	Zhang_Cluster64101.seq.Contig10-	202_349
miR-novel-036	CGGGGAGTTCTCTAGCTCGGGAGT	24	9			Zhang_Cluster63942.seq.Contig5-	1_106	
miR-novel-037			CGCTATGATGCCTACATTT	19	3	Zhang_Cluster17928+	233_312	
miR-novel-038	TACCGTCGCTAATTAGCGACAGCT	24	2			Zhang_Cluster63025.seq.Contig6+	298_446	
miR-novel-039	ACACATAGAGCTATTTGGATCATT	24	20	TGATCCAAATAGCTCTATGTGTGC	24	15	Zhang_Cluster64285.seq.Contig40-	737_975
miR-novel-040			TTCTTGAGTCCTTTGTAAGTGGT	24	39	Zhang_Cluster64349.seq.Contig53+	337_408	
miR-novel-041	GTTAGTGTGTGCCAAAAGGCCA	24	2	CTTTTGGGCACAACACTAACA	21	2	Zhang_Cluster63291.seq.Contig15+	1_72
miR-novel-042			GTTTGACTAGTTTTCTTGAGTCC	24	6	Zhang_Cluster64349.seq.Contig3+	42_144	
miR-novel-043a			TTGGCATGATGGATACTTGAA	21	2	Zhang_Cluster62863.seq.Contig2+	64_297	
miR-novel-043b	GGAGTCTTGATTCATCATAGTCA	23	4			Zhang_Cluster63604.seq.Contig12+	734_872	
miR-novel-044	AATTAGCGACAGCTAAACGTCGCA	24	17			Zhang_Cluster60616.seq.Contig1-	109_246	

miR-novel-045	GCCATTTACCAACGCGCAGCA	21	2	CTGCTGCACGTTGGTAAATGG	21	129	Zhang_Cluster64036.seq.Contig3+	612_820
miR-novel-046	AGACTAAGCACGAGACATGGAATG	24	38	ATTCCATGTCTCGTGCTTAGTCTT	24	11	Zhang_Cluster64385.seq.Contig40+	847_1084
miR-novel-047	TTGGCAAGGTAGCATACAGGTTAG	24	2	AACCTATAGCTATCTTAGCCAAGG	24	2	Zhang_Cluster63511.seq.Contig4-	248_425
miR-novel-048	CTTGATTCATCATAGTCA	18	2	AAAGTTGGCATGATGGATACTT	23	12	Zhang_Cluster61854.seq.Contig1+	97_316
							Zhang_Cluster62893.seq.Contig3-	1253_1488
miR-novel-050	CTATGGTGAGAATTACACA	19	6				Zhang_Cluster64163.seq.Contig15-	97_182
miR-novel-051	GTTACCCACTCCGGGGTAGTCCAG	24	5	CTGGACTACCCCGGAGTGGGTAAC	24	2	Zhang_Cluster62201.seq.Contig1+	1042_1141
miR-novel-052				CTATTAACAAGTTGATTGCCA	21	4	Zhang_Cluster55282.seq.Contig1-	343_474
miR-novel-053	CTGCATGATATGTGACATACC	21	6				Zhang_Cluster64415.seq.Contig49-	327_464
miR-novel-054	GGGTTGACCCGATCCGATCCGTGT	24	3	CGGTTTGGGTCGGGTGAACCCGAA	24	2	Zhang_Cluster57674.seq.Contig1-	309_375
miR-novel-055	CTTATAATAATTAAGCTTGAAGGC	24	3				Zhang_Cluster63770.seq.Contig12-	3_108
miR-novel-056	AATGTTTAACGAACACGAACACGA	24	4	TGTTTCGTGTTGTTTGTGTTC	21	2	Zhang_Cluster59728.seq.Contig1+	176_386
miR-novel-057				AATGGCTAAGGAACCAACCTGGTG	24	3	Zhang_Cluster64014.seq.Contig47-	133_370
miR-novel-058				GATGGTAGCCACTGAAGGCGTCTA	24	7	Zhang_Cluster64404.seq.Contig76-	483_720
miR-novel-059				ATTTGACTATGATGAATCAAGACT	24	7	Zhang_Cluster63604.seq.Contig12-	734_872
miR-novel-060	AGAGAGATCGATGAAACTA	19	5	TTTAGTTGAATGTTCTCCCTA	21	2	Zhang_Cluster62847.seq.Contig5-	871_1062
miR-novel-061				GGACCATTCAATCGGTAGG	19	8	Zhang_Cluster63366.seq.Contig2-	1075_1197
miR-novel-062	CATGAATCGTCAATCAATATGGG	23	2	TAAATGATCGACAGTACGCGA	21	5	Zhang_Cluster14870-	151_285
miR-novel-063	AGCTACCAGAAGCTGAAGTGAGCT	24	5	CTACTTTGAGCTACTTATAGCTGA	24	5	Zhang_Cluster63763.seq.Contig4+	332_495
miR-novel-064	ATCACTATGAGAATCACTTATGAC	24	18	AGTGTTCATGGTGGGT	18	2	Zhang_Cluster64415.seq.Contig127-	1195_1419
miR-novel-065	CATTCTAAACTAGTTGTGA	19	3	TCCAAACTAGTTGTGAATGTT	21	50	Zhang_Cluster62997.seq.Contig3-	94_271
miR-novel-066				ATCCGAGCGGTCTCTGACTGGGAT	24	13	Zhang_Cluster63522.seq.Contig3+	260_364
miR-novel-067	GAGGATTCACAGTCTGGCTCTTGC	24	9				Zhang_Cluster63795.seq.Contig6+	1053_1291
miR-novel-068	GAAAATGGGCTGGGCTTTTTTCGG	24	19				Zhang_Cluster63477.seq.Contig5-	1136_1256
miR-novel-069	TAGGAATGATCTCCAATAATCGAG	24	22	TTATGGAGATTTTTTCATGAAG	22	10	Zhang_Cluster64168.seq.Contig22+	2269_2470
miR-novel-070	AGGGCGACCGGAGGCTTACTG	21	3	GTCGCCGAAAGTCACCGATCGCC	24	4	Zhang_Cluster63822.seq.Contig3+	2451_2577

miR-novel-071	CGTCCCGAAACTATTAGGTGT	21	9	TAACGCCTGATAGTTTCGGGA	21	39	Zhang_Cluster45582-	828_1065
miR-novel-072	GTGTCAGTCTGGAACGACGCGCCT	24	4	TTTGGCGGATGGTTGACACGTGG	24	2	Zhang_Cluster63084.seq.Contig2+	521_601
miR-novel-073				TGCGGAGGGATTTGTATGAT	20	24	Zhang_Cluster59615.seq.Contig1+	50_192
miR-novel-074	TAAAATATGGTAGGTCTCGCT	21	7				Zhang_Cluster60099.seq.Contig1+	510_717
miR-novel-075				ATTACATCTACATAATATTGGCTT	24	4	Zhang_Cluster63681.seq.Contig3-	5_131
miR-novel-076	AGGTTAAGACTACTTAAGTGTGTT	24	9	TTTTGACTATTTAAGTAGCAAGA	24	5	Zhang_Cluster62410.seq.Contig1-	323_491
miR-novel-077_1	AGCTGAAGTGAAGTGAAGTCCAGC	24	6	GAGCTGACTTGAGCTGACTTGAGC	24	54	Zhang_Cluster61206.seq.Contig1+	132_293
miR-novel-077_2	TGAAGTGAAGTGAAGTCCAGCTA	23	4	GAGCTGACTTGAGCTGACTTGAGC	24	54	Zhang_Cluster61206.seq.Contig1+	132_293
miR-novel-078				TACCTTCAAGGTGACCCGGTCACA	24	7	Zhang_Cluster58851.seq.Contig1-	213_423
miR-novel-079	GTTACCAACTGTCAGCCGTTGGTA	24	6	ACTTACCAACGGCTGACAGTTGGT	24	4	Zhang_Cluster62893.seq.Contig3+	1278_1474
miR-novel-080				TTGACTTCTTGTCTTTAATGA	22	14	Zhang_Cluster61228.seq.Contig1-	729_960
miR-novel-081				CGAACAGCACATGACAGCCGAGGA	24	3	Zhang_Cluster64295.seq.Contig4-	344_578
miR-novel-082				CTGTAACGTCTGTCACCTGTCACA	24	4	Zhang_Cluster50027+	383_468
miR-novel-083				AGTGATTCTCATAGTGATCATGGT	24	15	Zhang_Cluster64415.seq.Contig116+	920_1111
miR-novel-084	TTTTAGCCTATCAGCTATCCTA	22	3	TTGCTCTGTAGGCTGAAATCC	21	9	Zhang_Cluster31373+	112_194
miR-novel-085	CTAGCTCGGGAGTTCCGCCTTCGG	24	3	TCCCCGAAGGCGGAACTCCCAGC	24	6	Zhang_Cluster63942.seq.Contig5+	1_106
miR-novel-086	GTGATGGGTCACGGACACGATAGA	24	5	ATCCATTGCATCTGTGATCTGTCA	24	70	Zhang_Cluster1850-	274_444
miR-novel-087a	GACATTTTTCTGGATTGGCGACGC	24	3				Zhang_Cluster63619.seq.Contig4-	399_485
miR-novel-087b	AACATTTTTCTGGATTGGCGACGC	24	7	GCGTCGCCAAACCTGCAAAATGCC	24	2	Zhang_Cluster63425.seq.Contig7+	139_225
miR-novel-088	CTATAAGTAGCTCAAAGTAGCTGG	24	2	AGCTCACTTCAGCTTCTGGTAGCT	24	5	Zhang_Cluster64101.seq.Contig1+	121_242
miR-novel-089	TCGTGGAGCCACGGCGGGAAC	21	4	CCCCCGTCGTGGAGCCAC	18	2	Zhang_Cluster64285.seq.Contig39-	965_1059
miR-novel-090	TTAGCGACTGCTAACAGTTGGTAA	24	2	TTAGCGACGGTAAGCCATCACTAA	24	9	Zhang_Cluster62957.seq.Contig5+	711_835
miR-novel-091	TATCTCGTGTGTTTGTGTTGTGG	24	3	TTTGCAACAATAGACGTACGAGAT	24	6	Zhang_Cluster5962-	270_372
miR-novel-092	ATTTAGCGACGGCCATTAGCGACG	24	14				Zhang_Cluster54363.seq.Contig1+	78_166
miR-novel-093	CTTCTATATTGAATGGAATTTGAA	24	2	CTCATTTCATCTCTTATAGAATT	23	2	Zhang_Cluster62740.seq.Contig4+	563_652
miR-novel-094				TTTGATGATCAAGATGGGAT	21	9	Zhang_Cluster64388.seq.Contig4-	55_188

miR-novel-095			TAGCTGAAGTGAGCTGACTTGAGC	24	13	Zhang_Cluster64101.seq.Contig20-	822_1048	
miR-novel-096	TATGATAATTAAGCTTGAAGGCAA	24	3	TCAATCATAATTGTTGTAATC	21	2	Zhang_Cluster63868.seq.Contig9-	388_493
miR-novel-097_1	GATTGAAGGCAGAGGACGACTT	22	2	TAAGTCATCATTTGCCTTCAA	21	6	Zhang_Cluster63868.seq.Contig12+	970_1075
miR-novel-097_2	TTGAAGGCAGAAGACGACTTGA	22	4	TAAGTCATCATTTGCCTTCAA	21	6	Zhang_Cluster63868.seq.Contig12+	970_1075
miR-novel-098a	TAAATCATACTTAGGAATGTCCAA	24	2			Zhang_Cluster63580.seq.Contig12+	170_323	
miR-novel-098b	AATCATACTTAGGAATGTC	19	2	AGGATATCCTAGGCATGATT	20	2	Zhang_Cluster64052.seq.Contig2+	158_301
miR-novel-099	CGTGGTCGCGGTGAAACTGGCAGA24		5			Zhang_Cluster64339.seq.Contig33-	222_456	
miR-novel-100a	ATGAAATGGAAACATTCACTCAACT	23	24	AAGTTGTGAATGTTTCCATTT	21	42	Zhang_Cluster55361.seq.Contig1+	203_440
miR-novel-100b	AGTTGTGAATGTTTCCAT	18	13			Zhang_Cluster59756.seq.Contig2+	695_809	
miR-novel-101				TGGTAAATGGCAGTTGGTATTCGA	24	24	Zhang_Cluster59043.seq.Contig1+	258_307
miR-novel-102	CAACTAGTTTGAATGAA	18	9			Zhang_Cluster59756.seq.Contig2-	695_809	
miR-novel-103	GGCCCCTTGACTATTCTGTAG	21	2	AGGTATGGAAGAGGGGCGCA	20	3	Zhang_Cluster62370.seq.Contig1+	5690_5765
miR-novel-104	GACAGACGTTACAGATGAATCTAG	24	6	ATAAATCACTCGTAACATCTGTC	24	2	Zhang_Cluster50027-	383_468
miR-novel-105	AACCTCTGGTAGGTGGCTCCTGCG	24	3	AAACTTAGGAGCCCGTATTGCGCA	24	7	Zhang_Cluster64392.seq.Contig15-	528_734
miR-novel-106				GAAGAAGTACATAGAGTCGCTGAT	24	5	Zhang_Cluster64233.seq.Contig7-	257_494
miR-novel-107				TAGTTAGTGACGTGTAGCCGTCA	23	4	Zhang_Cluster54363.seq.Contig1+	132_370
miR-novel-108	ATCCCTCAATCCCCTTCGGTG	21	47	TCGAAGGGGATGGGAGGGATGG	22	1471	Zhang_Cluster19932+	46_192
miR-novel-109	AGCTCACTTCAGCTATAAGTAGCT	24	2	AGCTTCTGGTAGCTGAGTGTAGCT	24	4	Zhang_Cluster64101.seq.Contig15+	582_803
miR-novel-110	GGTAAAATCGATGGAAAGTATCTC	24	2	AAGGTACTTTCAATGGACGTTACC	24	2	Zhang_Cluster56518.seq.Contig1-	67_211
miR-novel-111	ATGATGCTCTGCCACGTACCA	21	47	CATGTGTGCGTGGCGGATGTCTCA	23	494	Zhang_Cluster63822.seq.Contig3-	1805_1866
miR-novel-112	GCTCCATAAGGATGGACTCTTGGA	24	5			Zhang_Cluster64393.seq.Contig32+	619_786	
miR-novel-113	TTGATGTAATGGATGCATGCA	21	9			Zhang_Cluster64275.seq.Contig12-	416_504	
miR-novel-114	CTAAGATCATCAAGGTTCCCTA	22	6			Zhang_Cluster64405.seq.Contig29-	485_618	
miR-novel-115	CCAGAATGGACCTTGACGCTAGAC	24	4			Zhang_Cluster64410.seq.Contig44-	1028_1266	
miR-novel-116				GGCTCGAATGGAGGAGTCTCGGGT	24	9	Zhang_Cluster63677.seq.Contig2-	253_313
miR-novel-117a	GATCACTATGAGAATCACTTATG	23	2			Zhang_Cluster64415.seq.Contig95-	423_479	

miR-novel-117b	GATCACTATGAGAATCACTTATGA	24	10	CATGTAGTGTCTCATGGTGGGT	23	9	Zhang_Cluster64266.seq.Contig5+	160_322
miR-novel-118	TATACCATGATCACTATGAGAA	22	6				Zhang_Cluster64074.seq.Contig20+	944_1145
miR-novel-119				GTCTCATTATATGGCCCAAGCGA	24	4	Zhang_Cluster64393.seq.Contig32-	619_786
miR-novel-120	TGAAGTGAAGTGAAGTCCAGC	21	3	GAGCTGACTTGAGCTGACT	19	2	Zhang_Cluster64101.seq.Contig17-	252_391
miR-novel-121	CGATTCATCAAGAATGGCCTGA	22	8	GAGACGCATTCTTGTGGATCT	21	18	Zhang_Cluster64168.seq.Contig21+	1872_2044
miR-novel-122	CCATGCAATTTATACCCATGA	21	24				Zhang_Cluster63839.seq.Contig8-	728_917
miR-novel-123	GATTTGTATGATCAAGATGGGA	22	41	ATCCCATCTTGATCATACAAATCC	24	8	Zhang_Cluster64405.seq.Contig32-	355_592
miR-novel-124	GATTGAATGGTCCGGTGA	18	1429	CTGAACCTTATCATTAGA	19	280	Zhang_Cluster63366.seq.Contig2+	1075_1197
miR-novel-125	GTCTTGTGGGGTCAATTTGGGCAA	24	3				Zhang_Cluster62280.seq.Contig2-	309_457
miR-novel-126				AGCGACGGCTACGCGTCAC	19	3	Zhang_Cluster61829.seq.Contig3-	774_891

Supplementary Table 4: Real-time reverse transcription-PCR examined miRNAs and primers

miRNA	Sequence (5'-3')	Reverse transcription primer	Forward primer
miR396a2	UCCACAGCUUUCUUGAA CUG	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACCA GTTCAA	CCAGGCTCCACAGCTTTCT TGA
miR396b2	UCCACAGCUUUCUUGAA CUU	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACAA GTTCAAGAAA	CGAGGTCCACAGCTTTCTT GA
miR159a	AUUGGAGUGAAGGGAGC UCCA	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACTG GAGC	CGTGGATTGGAGTGAAGG GAG
miR156a	UGACAGAAGAUAGAGAG CAC	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACGT GCT	GCTTGGGCGTGACAGAAG ATAGAGA
miR171a	UUGAGCCGCGUCAAUAU CUCC	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACGA GTGA	CGACTTGAGCCGCGTCAAT A
miR171b	UUGAGCCGCGCCAUAU CACU	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACAG TGATATTGG	GTCTTGAGCCGCGCCAATA
miR168b	GCUUGGUGCAGGUCGGG AC	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACGT CCC	GCAGGCTTGGTGCAGGTC
miR172-6	GAAUCUUGAUGAUGCUG CAU	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACAT GCAG	CCAGGCGAATCTTGATGAT GCT

miR169-1	GCCAAGGAUGACUUGCC GA	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACTC GGC	CCAGCCGCCAAGGATGAC T
miR394-1	UGGCAUUCUGUCCACCU CC	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACGG AGGT	GGCGATGGCATTCTGTCCA CC
miR167-3	GAAGCUGCCAGCAUGAU CUA	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACTA GATCATGCTG	CGTGAAGCTGCCAGCATG A
miR3954-2	CGAACAGAGAAAUCACG G	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACCC GTG	CGACGCCGAACAGAGAAA TCAC
miR319-15	UUGGACUGAAGGGAGCU CUCU	GTCGTATCCAGTGCAGGGTCCGA GGTATTCGCACTGGATACGACAG AGAGCTC	CGTCGTTGGACTGAAGGG AGC

Reverse Primer: CCAGTGCAGGGTCCGAGGT