

Supplementary material

Table S1:

Name	Sequence
hbr-miR156	hbr-miR156-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACGCTCTC hbr-miR156-R: GCGGTTGACAGAAGATAGAGAG
ath-miR156a-5p	ath-miR156a-5p-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACGTGCTC ath-miR156a-5p-R: GGTGACAGAAGAGAGTGAGCA
cca-miR156b	cca-miR156b-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACTATGCT cca-miR156b-R: CTTGACAGAAGAGAGTGAGCATA
osa-miR166e	osa-miR166e-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACGGGGAA osa-miR166e-R: CCAGGCTTCATTCCCCG
ahy-miR398	ahy-miR398-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACAGGGGT ahy-miR398-R: TGTGTTCTCAGGTCACCCCT
nta-miR397	nta-miR397-RT: GTCGTATCCAGTGCAGGGTCCGAGGTATTGCGACTGGATACGACACATCA nta-miR397-R: GCAGGGTCCGAGGTATTC
universal primer	GCAGGGTCCGAGGTATTC

Note: RT is a reverse transcription primer, and R is a reverse primer. Universal primers are matched with R primers.

Table S2:

Family	Number of members r
miR156	36
miR172	32
miR396	29
miR166	25
miR159	23
miR171	21
miR167	18
miR169	15
miR319	13
miR397	12
miR164	11
miR390	11
miR398	9
miR162	8
miR395	8
miR399	8
miR160	7
miR408	6
miR2111	6
miR168	6
miR157	4
miR393	4
miR165	2
miR482	2
miR845	2
miR858	2
miR1511	2
miR1863	2
miR3630	2
miR4415	2
miR5225	2
miR5281	2
miR5770	2
miR170	1
miR394	1
miR476	1
miR477	1
miR529	1
miR530	1
miR828	1
miR829	1

Table S2: *Continued*

Family	Number of members r
miR1120	1
miR1128	1
miR1527	1
miR2119	1
miR2639	1
miR2673	1
miR2916	1
miR4413	1
miR4995	1
miR5083	1
miR5139	1
miR5141	1
miR5174	1
miR5205	1
miR5208	1
miR5213	1
miR5228	1
miR5232	1
miR5234	1
miR5242	1
miR5245	1
miR5248	1
miR5287	1
miR5291	1
miR5368	1
miR5658	1
miR6024	1
miR6034	1
miR6173	1
miR6182	1
miR6300	1
miR6478	1
miR6483	1
miR8155	1
miR8175	1
miR8577	1

Table S3:

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
ama-miR396-3p	170.8234	74.02296	40.25247	34.21665	34.74607	43.64633	15.29256	41.57442	9.535096	16.27071
ath-miR396a-3p	1024.94	836.4594	1375.456	937.0098	1134.792	1026.638	390.6554	933.6923	408.647	531.1224
ath-miR396a-5p	20035.14	11776.23	6614.168	14984.26	11615.54	9716.052	15302.29	11569.82	20394.21	14164.81
ath-miR396b-3p	170.8234	74.02296	40.25247	34.21665	34.74607	43.64633	15.29256	41.57442	9.535096	16.27071
ath-miR396b-5p	44609.3	82926.28	38487.25	68967.6	75433.72	64140.18	102557.5	67800.96	73545.56	68161.48
atr-miR396d	0	0	0	1.316025	2.217834	0	1.390233	0	0	0
cca-miR396a-3p	1244.57	368.4698	188.4994	336.9024	561.1121	443.1051	699.2871	562.987	493.1007	556.6906
cca-miR396c	414.8568	33.72157	19.63535	38.16472	50.27091	28.465	61.17024	36.37762	32.69176	53.4609
gma-miR396a-3p	976.1335	804.3828	1335.204	910.6893	1093.392	999.1214	373.9726	911.1728	374.5931	495.0944
gma-miR396b-3p	2269.51	2307.871	1069.145	1268.648	1153.274	1350.19	596.4099	1422.192	569.3814	800.7512
gma-miR396d	0	14.80459	18.65358	11.84422	15.52484	18.02783	1.390233	12.12587	2.724313	4.648774
gma-miR396f	0	0	0	0	0	0.948833	0	0	0	0
gma-miR396h	19961.93	11753.2	6596.496	14953.99	11594.1	9708.462	15289.78	11536.9	20335.64	14129.95
hbr-miR396a	0	12.33716	1.963535	11.84422	3.69639	12.33483	5.560931	1.732268	4.08647	6.97316
mdm-miR396a	2196.3	2274.15	1543.339	2395.165	2213.399	1712.644	2457.932	2329.9	2547.233	3111.192
osa-miR396a-3p	268.4367	106.9221	182.6088	102.6499	121.9809	117.6553	56.99954	128.1878	55.84842	69.7316
osa-miR396e-5p	0	0	0	1.316025	0	0	0	0	0	0
osa-miR396f-5p	0	0	0	1.316025	0	0	0	0	0	0
osa-miR396g	0	0	0	1.316025	0	0	0	0	0	0
ppe-miR396a	3538.484	4259.61	2150.071	5475.98	4562.824	3671.985	6474.314	4335.866	5880.43	5120.624
smo-miR396	0	7.402296	2.945303	7.89615	11.08917	5.692999	6.951164	15.59041	12.25941	13.94632
stu-miR396-3p	0	0	0	0	0	0	0	0	0	1.162193
vvi-miR396a	15886.57	8166.377	4636.888	7654.001	7093.373	6485.275	9738.581	7564.813	7795.622	8037.729
vvi-miR396b	44414.08	82413.05	38201.56	68445.14	75004.93	63680.94	101905.5	67397.34	73161.43	67754.71
zma-miR396g-3p	19961.93	11740.04	6581.77	14919.78	11580.05	9692.331	15259.2	11529.97	20327.46	14109.03
zma-miR396g-5p	170.8234	73.20048	133.5204	64.48522	90.19192	77.80432	43.09722	77.95204	34.05391	49.97432
aaU-miR160	244.0334	188.3473	141.3745	325.0582	182.6017	192.6131	200.1935	254.6433	261.5341	274.2776
aaU-miR168	170.8234	112.6794	171.8093	197.4037	155.2484	122.3995	150.1451	152.4396	119.8698	135.9766
ahy-miR156a	146.42	55.10598	10.79944	161.8711	16.26412	20.87433	26.41442	24.25175	49.03764	62.75844
ahy-miR398	0	4.112387	182.6088	26.3205	25.87473	47.44166	9.731629	8.661338	5.448626	10.45974
aly-miR156f-3p	48.80668	75.66791	28.47126	86.85765	51.74946	19.9255	16.68279	53.7003	32.69176	18.59509
aly-miR157d-3p	24.40334	4.934864	2.945303	3.948075	3.69639	2.8465	1.390233	5.196803	2.724313	0
aly-miR162a-5p	97.61335	65.79819	40.25247	60.53715	64.31719	54.08349	59.78001	71.02297	51.76195	46.48774
aly-miR165a-3p	97.61335	121.7266	77.55964	280.3133	141.2021	138.5297	173.7791	161.1009	194.7884	210.357
aly-miR166g-5p	24.40334	6.579819	29.45303	21.0564	18.48195	8.539499	9.731629	20.78721	10.89725	8.135354
aly-miR172a-5p	0	0	0	0	0	0	0	0	0	1.162193
aly-miR172e-3p	0	2.467432	0.981768	5.2641	2.217834	1.897666	0	1.732268	2.724313	0
aqc-miR159	341.6467	253.323	255.2596	335.5864	235.8297	341.58	202.974	268.5015	243.826	410.2543
aqc-miR167	24.40334	0	0	0	0	0	0	0	0	1.162193
aqc-miR171c	0	0	0	0	0.739278	0	0	0	0	0
aqc-miR171f	24.40334	49.34864	31.41656	48.69292	46.57452	38.90216	19.46326	43.30669	66.74567	41.83896

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
ata-miR166c-5p	0	0	0	0	1.478556	0	0	0	2.724313	0
ata-miR393-5p	0	30.43166	16.69005	34.21665	18.48195	22.772	15.29256	25.98401	25.88097	29.05483
ata-miR395b-3p	0	8.224773	7.854141	23.68845	5.174946	5.692999	4.170698	17.32268	6.810783	1.162193
ata-miR408-3p	0	4.112387	0	1.316025	2.957112	0.948833	2.780466	3.464535	0	0
ath-miR156a-5p	732.1002	1106.232	433.9413	1113.357	479.0522	519.0118	631.1657	1025.502	1100.623	1297.008
ath-miR156g	0	13.98211	0.981768	14.47627	2.957112	2.8465	6.951164	5.196803	10.89725	17.4329
ath-miR156h	0	0	0	0	0	0	0	0	0	1.162193
ath-miR156i	0	0	0	0	0	0.948833	0	0	1.362157	1.162193
ath-miR157a-3p	0	0	0	0	0.739278	0	0	0	0	0
ath-miR157a-5p	756.5035	677.7213	342.6369	469.8209	263.9223	314.0638	392.0456	769.1268	623.8677	792.6159
ath-miR157d	97.61335	27.96423	25.52596	67.11727	31.78896	34.158	31.97535	72.75524	49.03764	83.67792
ath-miR159a	111742.9	85960.39	86345.48	118425.1	81251.1	110972.7	65941.52	90736.18	83286.34	112386.4
ath-miR159b-3p	33212.94	12178.42	13231.28	20018.06	12782.12	19471.01	13425.48	16092.77	15929.06	18216.22
ath-miR159c	6564.498	2199.304	2526.088	4133.634	2277.716	3490.757	2783.246	3173.514	2936.81	3222.762
ath-miR160a-5p	244.0334	189.1698	141.3745	326.3742	184.8195	194.5108	200.1935	256.3756	266.9827	274.2776
ath-miR162a-3p	3221.241	5246.583	3766.06	4995.631	5221.521	3931.016	4457.086	5182.945	5582.118	4409.362
ath-miR162a-5p	97.61335	65.79819	40.25247	60.53715	64.31719	54.08349	59.78001	71.02297	51.76195	46.48774
ath-miR164a	195.2267	416.1735	367.1811	763.2945	714.1426	867.2336	323.9242	519.6803	785.9643	834.4548
ath-miR164c-5p	73.21002	76.49039	47.12484	171.0832	153.0306	163.1993	52.82885	98.73926	325.5554	148.7608
ath-miR165a-3p	97.61335	121.7266	77.55964	280.3133	141.2021	138.5297	173.7791	161.1009	194.7884	210.357
ath-miR166a-3p	14544.39	25940.11	19810.11	29113.1	27669.7	25988.54	34342.92	34106.62	35436.5	38030.45
ath-miR167a-5p	1122.554	1704.173	573.3523	1139.678	901.9192	815.9966	999.5774	810.7013	896.299	717.0733
ath-miR167c-5p	0	9.04725	1.963535	1.316025	1.478556	2.8465	4.170698	3.464535	1.362157	1.162193
ath-miR167d	3489.677	10565.54	3005.191	5119.337	5497.272	4248.875	6645.313	5274.755	7365.181	3917.754
ath-miR168a-3p	170.8234	101.1647	161.9917	169.7672	148.5949	114.8088	139.0233	136.8491	114.4212	127.8413
ath-miR168a-5p	341.6467	955.7186	689.2009	939.6418	881.2195	1048.461	1320.721	1326.917	1460.232	1413.227
ath-miR169a-5p	0	0	0.981768	5.2641	0	0.948833	0	0	1.362157	0
ath-miR169b-5p	0	4.112387	0.981768	39.48075	0.739278	2.8465	1.390233	3.464535	2.724313	1.162193
ath-miR169d	0	0	1.963535	1.316025	0.739278	0	1.390233	0	1.362157	0
ath-miR170-3p	0	0.822477	0	0	0	0	0	0	0	0
ath-miR171a-3p	0	1.644955	2.945303	6.580125	2.217834	5.692999	4.170698	5.196803	1.362157	4.648774
ath-miR171b-3p	24.40334	48.52616	31.41656	47.3769	45.83524	37.95333	19.46326	41.57442	66.74567	40.67677
ath-miR171b-5p	0	0	0	0	0.739278	0	0	0	0	0
ath-miR171c-5p	0	14.80459	10.79944	21.0564	26.61401	15.18133	5.560931	20.78721	20.43235	5.810967
ath-miR172a	463.6634	486.0841	210.0983	446.1325	218.8263	437.4121	129.2916	296.2178	209.7721	170.8424
ath-miR172c	268.4367	37.83396	21.59889	55.27305	26.61401	63.57183	12.5121	36.37762	34.05391	26.73045
ath-miR172e-3p	0	2.467432	0.981768	5.2641	2.217834	1.897666	0	1.732268	2.724313	0
ath-miR211a-5p	73.21002	89.65003	60.86959	89.4897	48.79235	30.36266	98.70653	102.2038	40.8647	38.35238
ath-miR319a	10151.79	2963.386	6983.313	11236.22	8728.656	13684.07	2852.758	8311.42	8305.069	10420.23
ath-miR319c	2586.754	746.8094	1173.212	2409.642	1528.088	2896.788	989.8457	2031.95	2312.942	1991.999

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
ath-miR390a-3p	0	73.20048	119.7756	117.1262	108.6739	113.86	94.53583	112.5974	72.1943	105.7596
ath-miR390a-5p	414.8568	476.2144	566.4799	510.6177	494.577	515.2164	290.5587	358.5794	258.8097	284.7374
ath-miR390b-3p	0	0	0.981768	2.63205	0	0.948833	1.390233	3.464535	1.362157	1.162193
ath-miR393a-5p	48.80668	32.89909	16.69005	47.3769	22.91762	29.41383	16.68279	27.71628	23.15666	31.37922
ath-miR394a	219.63	458.9423	224.8248	492.1933	411.0386	467.7748	251.6321	434.7992	479.4791	503.2297
ath-miR395a	0	0	0.981768	2.63205	0	0	0	1.732268	0	0
ath-miR397a	0	19.73946	107.9944	121.0743	116.8059	92.03682	25.02419	22.51948	29.96744	75.54257
ath-miR398a-3p	0	4.112387	182.6088	26.3205	25.87473	47.44166	11.12186	8.661338	5.448626	10.45974
ath-miR398b-3p	0	3.289909	5.890606	3.948075	3.69639	8.539499	1.390233	1.732268	0	0
ath-miR399b	48.80668	46.05873	31.41656	52.641	70.23142	32.26033	40.31675	79.68431	50.39979	73.21818
ath-miR399e	0	0	0	0	0	0.948833	0	0	0	0
ath-miR408-3p	219.63	606.1658	246.4237	382.9633	429.5206	461.1329	304.461	266.7692	132.1292	123.1925
ath-miR5658	0	0.822477	0	0	0	0	0	0	0	0
ath-miR8175	244.0334	31.25414	53.99722	122.3903	49.53163	43.64633	12.5121	29.44855	49.03764	149.9229
ath-miR829-3p.1	0	0	0	1.316025	0	0	0	0	0	0
atr-miR390.1	414.8568	477.8593	568.4434	507.9856	493.8377	513.3188	289.1684	362.0439	258.8097	285.8996
atr-miR397a	0	0.822477	0	0	0	1.897666	0	0	0	0
atr-miR397b	0	0	6.872373	7.89615	6.653503	6.641833	1.390233	3.464535	0	8.135354
atr-miR398	0	2.467432	1.963535	7.89615	6.653503	3.795333	5.560931	0	0	0
atr-miR8577	0	0.822477	0	0	0	0	0	0	0	0
bdi-miR159a-3p	756.5035	83.89269	103.0856	135.5506	139.7236	155.6086	152.9256	194.014	181.1668	212.6814
bdi-miR162	658.8901	593.0061	405.47	705.3894	538.1944	419.3843	403.1675	562.987	619.7812	534.609
bdi-miR169m	24.40334	2.467432	2.945303	9.212175	1.478556	0	0	0	4.08647	0
bdi-miR5174d-3p	0	0	0	0	0	0	0	0	1.362157	0
bdi-miR5281b	0	0	0	1.316025	0	0	0	0	0	0
bdi-miR845	0	0	0	0	0	0	0	0	1.362157	0
bna-miR162a	0	0	0	0	0	0.948833	0	0	0	0
bna-miR167d	3416.467	10419.14	2973.774	4965.362	5444.044	4208.075	6643.922	5266.094	6117.445	3842.211
bna-miR168b	0	0	1.963535	0	1.478556	0.948833	4.170698	1.732268	4.08647	5.810967
bna-miR2111c	0	0	0	1.316025	0	0	0	0	0	0
bna-miR6034	0	0	0	0	0	0	0	0	1.362157	1.162193
bra-miR390-3p	0	0.822477	0	0	0	0	0	0	0	0
bra-miR408-5p	219.63	606.1658	246.4237	382.9633	429.5206	461.1329	304.461	266.7692	132.1292	123.1925
cca-miR156b	658.8901	375.8721	147.2651	371.119	173.7303	185.9713	233.5591	353.3826	373.2309	412.5787
cca-miR390	24.40334	4.112387	4.908838	5.2641	2.217834	4.744166	4.170698	3.464535	4.08647	1.162193
cln-miR162	24.40334	66.62066	60.86959	27.63652	50.27091	50.28816	30.58512	51.96803	28.60529	40.67677
cme-miR166i	2440.334	1966.543	2234.503	3328.227	2893.534	2859.783	4441.794	3791.934	3996.567	3264.601
cme-miR169k	0	0	0.981768	1.316025	0	0	1.390233	0	0	0
cme-miR399d	0	1.644955	0.981768	3.948075	1.478556	0.948833	1.390233	3.464535	0	2.324387
cme-miR477a	0	0.822477	0	0	0	0.948833	0	0	0	0

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Table S3: *Continued*

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
cme-miR858	0	0	0	1.316025	0.739278	0	0	1.732268	0	0
cpa-miR166e	14422.37	25595.49	19506.74	28724.88	27297.1	25533.1	33774.32	33597.33	34932.51	37619.04
cpa-miR8155	0	0	0	0	0.739278	0.948833	0	0	0	0
csi-miR160	244.0334	188.3473	141.3745	325.0582	182.6017	192.6131	200.1935	254.6433	261.5341	274.2776
csi-miR172b	24.40334	0	0	0	0	0	0	0	0	1.162193
ctr-miR171	48.80668	3.289909	5.890606	15.7923	8.871337	3.795333	8.341397	6.929071	10.89725	8.135354
far-miR529	0	0	0	0	0.739278	0	0	0	0	0
ghr-miR156c	0	2.467432	1.963535	1.316025	1.478556	0	2.780466	1.732268	2.724313	1.162193
gma-miR1511	25257.46	20353.85	13709.4	16542.43	17259.19	15433.72	12215.98	14717.35	13199.3	9740.343
gma-miR1527	0	0	0.981768	0	0	0	0	0	0	1.162193
gma-miR156g	73.21002	25.4968	20.61712	56.58907	28.83184	28.465	25.02419	62.36164	36.77823	80.19134
gma-miR156r	73.21002	25.4968	20.61712	38.16472	19.96051	22.772	19.46326	55.43256	38.14038	74.38038
gma-miR156z	0	0	0	0	8.871337	15.18133	5.560931	13.85814	5.448626	9.297547
gma-miR159b-3p	0	0	0	0	2.957112	2.8465	2.780466	1.732268	1.362157	3.48658
gma-miR159c	0	0	0	0	0	0	0	0	0	2.324387
gma-miR159d	0	55.10598	45.16131	63.1692	32.52823	53.13466	4.170698	10.39361	4.08647	0
gma-miR160b	244.0334	188.3473	141.3745	325.0582	182.6017	192.6131	200.1935	254.6433	261.5341	274.2776
gma-miR164b	195.2267	416.1735	367.1811	763.2945	714.1426	868.1824	323.9242	517.948	785.9643	834.4548
gma-miR166m	48.80668	21.38441	13.74475	23.68845	17.74267	18.97666	19.46326	19.05494	13.62157	27.89264
gma-miR166u	20962.47	31532.14	27495.38	36601.29	36166.22	33301.2	45367.47	44649.2	44795.88	47572.06
gma-miR167h	683.2935	1129.261	384.8529	806.7233	615.0794	562.6581	519.9471	446.9251	463.1332	469.5261
gma-miR167i	195.2267	809.3177	272.9314	560.6266	456.8738	379.5333	358.6801	296.2178	311.9339	333.5495
gma-miR167k	0	0	0	0	0.739278	0	0	0	0	0
gma-miR168b	317.2434	919.5296	627.3495	898.8451	855.3447	1004.814	1287.356	1280.146	1419.367	1370.226
gma-miR169e	0	3.289909	2.945303	6.580125	2.957112	3.795333	1.390233	1.732268	0	2.324387
gma-miR169u	0	0	0	3.948075	0	0	0	0	1.362157	0
gma-miR169v	0	4.112387	0.981768	39.48075	0.739278	2.8465	1.390233	3.464535	2.724313	1.162193
gma-miR171a	24.40334	50.99359	32.39833	50.00895	46.57452	38.90216	19.46326	45.03896	68.10783	40.67677
gma-miR171m	48.80668	13.15964	11.78121	27.63652	15.52484	11.386	23.63396	10.39361	23.15666	17.4329
gma-miR171n	24.40334	4.112387	3.92707	17.10832	8.871337	10.43717	9.731629	8.661338	12.25941	10.45974
gma-miR172b-5p	24.40334	9.869728	9.817676	15.7923	7.392781	13.28367	8.341397	5.196803	6.810783	9.297547
gma-miR172d	0	0	0	0	0.739278	0	0	1.732268	0	1.162193
gma-miR319d	92317.83	47404.3	129425.4	68159.57	86643.39	124227.9	18271.83	70319.67	49989.78	58499
gma-miR319q	3465.274	926.9319	1518.794	3140.036	2085.503	3780.152	1317.941	2638.244	2996.744	2569.61
gma-miR390a-3p	0	73.20048	119.7756	117.1262	108.6739	112.9112	94.53583	112.5974	72.1943	104.5974
gma-miR390b-5p	0	4.112387	3.92707	1.316025	1.478556	3.795333	5.560931	0	1.362157	0
gma-miR390e	414.8568	476.2144	566.4799	510.6177	494.577	515.2164	290.5587	358.5794	258.8097	284.7374
gma-miR395d	0	0	0.981768	2.63205	0	0	0	1.732268	0	0
gma-miR408d	219.63	607.8107	248.3872	384.2793	432.4777	463.9794	305.8512	268.5015	133.4913	123.1925
gma-miR4413a	0	0	0	1.316025	0	0	0	0	0	0

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
gma-miR4415a-3p	0	4.112387	11.78121	5.2641	21.43906	15.18133	1.390233	3.464535	1.362157	2.324387
gma-miR4415a-5p	0	0	7.854141	3.948075	10.34989	13.28367	1.390233	1.732268	0	4.648774
gma-miR4995	3758.114	19.73946	45.16131	31.5846	14.78556	6.641833	6.951164	19.05494	19.07019	26.73045
gma-miR530a	0	0	0	0	0	0	1.390233	1.732268	1.362157	0
gma-miR5368	15764.56	69.91057	115.8486	75.01342	51.01019	21.82316	22.24372	31.18082	46.31332	37.19019
gma-miR5770a	146.42	85.53764	14.72651	27.63652	26.61401	41.74866	23.63396	12.12587	14.98372	11.62193
gma-miR5770b	1000.537	982.0379	214.0253	260.5729	328.9787	555.0674	276.6563	360.3117	88.54018	163.8693
gma-miR6300	1488.604	154.6257	444.7407	1883.232	232.8726	165.097	660.3606	512.7512	469.944	433.4981
gra-miR166c	414.8568	142.2886	274.8949	178.9794	212.9121	218.2316	216.8763	200.943	200.237	218.4924
gra-miR166d	24.40334	6.579819	29.45303	19.74037	17.0034	7.590666	8.341397	20.78721	10.89725	8.135354
gra-miR167c	1708.234	1915.55	712.7633	1963.509	1272.298	1205.967	1406.916	1127.706	1103.347	958.8095
han-miR3630-3p	0	0.822477	0.981768	2.63205	0	0.948833	0	3.464535	8.172939	1.162193
har-miR156c	0	0.822477	0	0	2.217834	0	1.390233	0	0	2.324387
hbr-miR156	756.5035	677.7213	342.6369	469.8209	263.9223	314.0638	392.0456	769.1268	623.8677	792.6159
hbr-miR476	0	0	0.981768	0	0	0	0	0	0	0
hbr-miR6173	2049.88	19.73946	24.54419	18.42435	5.914225	4.744166	8.341397	13.85814	20.43235	11.62193
hbr-miR6483	122.0167	12.33716	7.854141	2.63205	4.435668	2.8465	2.780466	8.661338	2.724313	0
hci-miR156a	24.40334	40.30139	17.67182	57.9051	15.52484	19.9255	30.58512	34.64535	57.21058	25.56825
hci-miR164a	0	11.51468	5.890606	18.42435	14.04628	24.66966	6.951164	13.85814	17.70804	13.94632
htu-miR171a	24.40334	136.5312	77.55964	155.2909	102.0204	91.08799	68.12141	116.0619	182.529	113.895
hvu-miR397a	0	0.822477	0	0	0	0.948833	0	0	0	0
hvu-miR397b-3p	0	0.822477	0	0	0	0	0	0	0	0
hvu-miR6182	0	0	0.981768	0	0	0	0	0	0	0
lus-miR159b	32554.05	11750.73	12885.7	19338.99	12311.94	18615.16	13000.07	15628.52	15188.05	17665.34
lus-miR172j	0	0	0	0	0.739278	0	0	1.732268	0	1.162193
lus-miR398f	0	1.644955	0.981768	28.95255	1.478556	3.795333	2.780466	0	0	0
mdm-miR156ad	0	0.822477	0.981768	0	0	0.948833	0	3.464535	0	3.48658
mdm-miR159a	122.0167	19.73946	17.67182	19.74037	25.13545	28.465	33.36559	27.71628	28.60529	37.19019
mdm-miR164a	0	0	0	1.316025	1.478556	0	0	1.732268	0	0
mes-miR159c	0	0	0	0	0	0.948833	1.390233	0	0	0
mes-miR166i	97.61335	416.1735	326.9286	78.9615	365.9426	373.8403	265.5345	353.3826	227.4801	298.6837
mes-miR172c	24.40334	1.644955	2.945303	3.948075	3.69639	0.948833	1.390233	0	0	2.324387
mes-miR397	0	1.644955	0	0	2.217834	0	0	0	0	1.162193
mtr-miR156b-3p	48.80668	76.49039	28.47126	86.85765	51.74946	19.9255	16.68279	53.7003	32.69176	18.59509
mtr-miR156c-3p	0	0	0	0	0	0	1.390233	0	0	0
mtr-miR156g-3p	1635.024	1657.292	1141.796	629.0599	924.0976	471.5701	287.7782	1127.706	148.4751	180.14
mtr-miR156g-5p	24.40334	4.934864	0.981768	2.63205	0.739278	1.897666	1.390233	6.929071	2.724313	4.648774
mtr-miR156i-3p	48.80668	55.10598	23.56242	51.32497	36.9639	22.772	33.36559	36.37762	61.29705	60.43406

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Table S3: *Continued*

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
mtr-miR156j	0	18.91698	6.872373	2.63205	5.174946	8.539499	13.90233	8.661338	13.62157	9.297547
mtr-miR166b	9663.722	7107.027	9377.844	10350.54	10227.91	8890.567	12149.24	12354.53	10577.15	11792.78
mtr-miR169c	0	0	0	0	0	0	0	0	13.62157	0
mtr-miR169d-5p	0	0	0.981768	0	0	1.897666	0	0	1.362157	0
mtr-miR171b	24.40334	33.72157	22.58065	76.32945	39.18174	38.90216	51.43861	32.91309	74.91861	45.32554
mtr-miR171c	0	13.15964	3.92707	19.74037	9.610615	13.28367	12.5121	10.39361	19.07019	11.62193
mtr-miR171e-5p	219.63	48.52616	149.2287	98.70187	155.9877	112.9112	105.6577	142.0459	80.36724	132.49
mtr-miR172a	0	0.822477	0.981768	2.63205	2.217834	1.897666	1.390233	0	2.724313	2.324387
mtr-miR172d-5p	0	0	0	0	0.739278	0	0	0	0	0
mtr-miR2111a-3p	0	0	0	0	0	0	0	1.732268	1.362157	0
mtr-miR2111l	0	0	0	0	0	0	0	0	0	1.162193
mtr-miR2119	0	4.112387	21.59889	5.2641	4.435668	6.641833	1.390233	0	2.724313	3.48658
mtr-miR2639	0	0	0	0	0	0	0	0	0	1.162193
mtr-miR2673a	0	0.822477	0	0	0	0	0	0	0	0
mtr-miR319a-3p	12396.9	3692.101	8571.813	13689.29	10892.52	16453.72	3738.336	10223.84	10266.57	12808.53
mtr-miR319a-5p	0	1.644955	1.963535	9.212175	8.871337	6.641833	2.780466	8.661338	2.724313	5.810967
mtr-miR319b-5p	0	0	0	0	0.739278	0.948833	0	1.732268	0	0
mtr-miR395a	0	8.224773	7.854141	23.68845	5.174946	5.692999	4.170698	17.32268	6.810783	1.162193
mtr-miR395g	0	0	0.981768	2.63205	0	0	0	1.732268	0	0
mtr-miR395h	0	0	0.981768	2.63205	0	0	0	1.732268	0	0
mtr-miR399k	0	0.822477	0	0	0	0	0	0	0	0
mtr-miR5205c	0	0	0	1.316025	0	0	0	0	0	0
mtr-miR5208a	0	0.822477	0.981768	0	0	1.897666	0	1.732268	0	1.162193
mtr-miR5213-5p	223900.6	291031.1	376018	179836.1	257065.5	206994.6	246699.6	228683.6	212685.8	207668.8
mtr-miR5225a	0	0	2.945303	2.63205	0.739278	0	1.390233	3.464535	0	1.162193
mtr-miR5225b	0	0	2.945303	2.63205	0.739278	0	1.390233	3.464535	0	1.162193
mtr-miR5228	0	8.224773	4.908838	3.948075	4.435668	8.539499	9.731629	8.661338	4.08647	1.162193
mtr-miR5232	244.0334	242.6308	276.8585	305.3178	385.1639	273.264	221.047	360.3117	283.3286	282.413
mtr-miR5234	24.40334	0	0	1.316025	0	0	0	0	0	0
mtr-miR5242	0	0	0	0	0	0	0	0	0	1.162193
mtr-miR5245	0	0.822477	0	0	1.478556	0	0	0	0	0
mtr-miR5248	0	19.73946	14.72651	13.16025	17.74267	8.539499	6.951164	15.59041	12.25941	17.4329
mtr-miR5272a	0	0	0	0	0	0	0	0	0	1.162193
mtr-miR5281b	0	0	0.981768	0	0	0	0	0	0	0
mtr-miR5287b	0	0	0	0	0	0.948833	0	0	0	0
mtr-miR5291a	0	0	0.981768	0	0	0	0	0	0	0
novel_1	24.40334	105.2771	164.937	76.32945	129.3737	108.167	63.95071	88.34565	27.24313	33.70361
novel_10	24.40334	11.51468	43.19777	9.212175	16.26412	33.20916	4.170698	10.39361	9.535096	3.48658
novel_100	0	4.934864	3.92707	6.580125	1.478556	2.8465	2.780466	13.85814	17.70804	3.48658
novel_104	0	0	0	3.948075	0	0	0	0	12.25941	0

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
novel_105	24.40334	0	0	10.5282	2.217834	0	0	0	2.724313	2.324387
novel_106	0	0	6.872373	3.948075	0	0.948833	5.560931	0	0	0
novel_112	48.80668	88.82755	64.79666	64.48522	47.3138	80.65082	26.41442	58.8971	164.8209	101.1108
novel_115	0	0	0	0	0.739278	0	0	0	0	0
novel_118	0	4.112387	1.963535	3.948075	0.739278	3.795333	1.390233	12.12587	5.448626	3.48658
novel_119	0	26.31927	29.45303	40.79677	27.35329	31.3115	19.46326	34.64535	25.88097	17.4329
novel_120	0	0	2.945303	13.16025	2.957112	0	0	0	0	1.162193
novel_121	0	4.112387	2.945303	1.316025	0.739278	0.948833	0	1.732268	6.810783	3.48658
novel_124	24.40334	5.757341	4.908838	9.212175	5.914225	4.744166	2.780466	3.464535	8.172939	4.648774
novel_125	0	3.289909	6.872373	1.316025	2.217834	3.795333	1.390233	3.464535	2.724313	2.324387
novel_126	0	0.822477	0.981768	1.316025	2.957112	3.795333	0	0	2.724313	1.162193
novel_127	0	3.289909	9.817676	5.2641	5.914225	4.744166	1.390233	8.661338	17.70804	5.810967
novel_129	0	0.822477	5.890606	7.89615	0	2.8465	0	5.196803	0	0
novel_132	0	2.467432	1.963535	2.63205	1.478556	3.795333	2.780466	3.464535	1.362157	4.648774
novel_134	0	6.579819	5.890606	6.580125	6.653503	4.744166	15.29256	1.732268	16.34588	8.135354
novel_137	0	8.224773	0.981768	1.316025	8.871337	9.488332	0	0	2.724313	0
novel_144	0	0	0	0	16.26412	12.33483	11.12186	19.05494	10.89725	13.94632
novel_148	24.40334	9.04725	10.79944	14.47627	13.30701	8.539499	13.90233	6.929071	14.98372	3.48658
novel_17	11738.01	9728.262	7445.725	17299.15	7319.592	10404.91	5868.173	11157.54	10119.46	10063.43
novel_2	11542.78	13239.42	14500.71	18844.16	17557.85	14309.35	13848.11	14978.92	13464.92	14883.05
novel_22	4734.248	6636.569	5941.657	11812.64	9063.549	5669.278	12616.36	6674.427	10624.82	7398.523
novel_33	2440.334	3474.144	3434.223	4017.824	5034.484	2896.788	3463.07	4353.189	3262.365	3071.677
novel_34	24.40334	195.7496	159.0464	80.27752	108.6739	92.03682	72.2921	74.48751	55.84842	33.70361
novel_39	488.0668	1398.211	1542.357	822.5156	958.1044	1139.549	403.1675	718.8911	1176.903	639.2064
novel_43	317.2434	390.6767	214.0253	202.6678	244.701	120.5018	36.14605	188.8172	24.51882	30.21703
novel_45	0	0	0	0	0.739278	0.948833	0	0	0	0
novel_49	927.3269	585.6039	183.5905	323.7421	222.5227	574.9929	105.6577	266.7692	42.22685	0
novel_50	341.6467	791.2232	829.5936	305.3178	413.9957	578.7883	207.1447	434.7992	213.8586	349.8202
novel_51	512.4701	185.8799	289.6214	114.4942	170.034	98.67865	47.26791	55.43256	55.84842	96.46205
novel_52	0	0.822477	0	2.63205	1.478556	0.948833	0	0	0	0
novel_56	0	1.644955	4.908838	0	1.478556	1.897666	0	1.732268	2.724313	1.162193
novel_57	24.40334	43.5913	53.99722	92.12175	116.0667	104.3717	54.21908	81.41658	93.9888	123.1925
novel_60	24.40334	7.402296	136.4657	61.85317	192.2123	116.7065	27.80466	5.196803	32.69176	75.54257
novel_62	0	0	0	0	0.739278	0	0	0	0	0
novel_63	390.4534	163.673	101.1221	121.0743	78.36347	100.5763	94.53583	154.1718	217.9451	172.0046
novel_68	195.2267	15.62707	156.101	77.64547	58.40297	51.23699	18.07303	19.05494	6.810783	9.297547
novel_70	73.21002	83.89269	58.90606	122.3903	82.79914	68.31599	91.75536	86.61338	99.43743	103.4352
novel_71	0	19.73946	9.817676	30.26857	14.04628	12.33483	22.24372	10.39361	9.535096	9.297547
novel_72	48.80668	25.4968	43.19777	101.3339	53.22802	63.57183	44.48745	39.84216	40.8647	54.62309
novel_73	122.0167	28.78671	45.16131	56.58907	31.78896	34.158	2.780466	22.51948	36.77823	66.24502

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
novel_79	73.21002	91.29498	53.99722	50.00895	61.36008	46.49283	27.80466	57.16483	13.62157	13.94632
novel_8	0	0	0.981768	0	0.739278	0	0	0	0	0
novel_83	122.0167	40.30139	75.5961	36.8487	45.83524	28.465	11.12186	8.661338	4.08647	5.810967
novel_85	24.40334	12.33716	14.72651	14.47627	13.30701	10.43717	13.90233	8.661338	21.79451	13.94632
novel_87	0	14.80459	15.70828	194.7717	4.435668	14.2325	0	8.661338	5.448626	2.324387
novel_94	0	0	5.890606	2.63205	2.957112	1.897666	0	0	1.362157	3.48658
novel_95	0	37.83396	16.69005	14.47627	20.69979	9.488332	1.390233	27.71628	21.79451	6.97316
novel_96	0	0	3.92707	0	0.739278	2.8465	9.731629	8.661338	2.724313	6.97316
novel_97	0	3.289909	3.92707	1.316025	2.957112	9.488332	9.731629	10.39361	6.810783	8.135354
novel_98	0	9.869728	7.854141	5.2641	8.132059	14.2325	8.341397	8.661338	5.448626	4.648774
novel_99	24.40334	7.402296	2.945303	5.2641	2.957112	3.795333	5.560931	5.196803	1.362157	4.648774
nta-miR156f	0	0.822477	0	1.316025	0.739278	0	0	1.732268	1.362157	0
nta-miR397	0	19.73946	107.9944	121.0743	116.8059	92.03682	25.02419	22.51948	29.96744	75.54257
osa-miR156b-3p	0	1.644955	0	2.63205	1.478556	0	0	0	0	0
osa-miR156f-3p	0	0	0	0	0.739278	0.948833	0	0	0	0
osa-miR156k	0	0.822477	0	1.316025	0	0.948833	0	0	1.362157	1.162193
osa-miR156l-5p	0	0	0	2.63205	0	0	0	1.732268	0	4.648774
osa-miR159a.1	36409.78	14485.47	14856.11	25387.44	15237.26	22895.35	15590.07	18233.85	25762.47	21774.86
osa-miR159c	97.61335	22.20689	32.39833	15.7923	18.48195	19.9255	19.46326	13.85814	14.98372	12.78413
osa-miR159d	122.0167	19.73946	27.48949	11.84422	13.30701	14.2325	20.85349	13.85814	12.25941	9.297547
osa-miR159e	97.61335	18.91698	27.48949	11.84422	13.30701	14.2325	19.46326	12.12587	12.25941	9.297547
osa-miR159f	1757.04	546.9474	616.55	742.2381	825.7736	912.7776	821.6276	1058.416	894.9369	1323.738
osa-miR160e-5p	97.61335	50.99359	49.08838	103.966	60.6208	68.31599	65.34094	81.41658	152.5615	95.29986
osa-miR162b	24.40334	21.38441	16.69005	25.00447	22.91762	13.28367	16.68279	25.98401	17.70804	22.08167
osa-miR164c	0	0	0	0	0	0.948833	0	0	0	0
osa-miR164d	24.40334	58.39589	46.14308	107.914	117.5452	110.0647	47.26791	77.95204	122.5941	108.084
osa-miR164e	0	11.51468	5.890606	18.42435	11.08917	22.772	6.951164	13.85814	16.34588	12.78413
osa-miR166d-5p	0	0	0	1.316025	0.739278	0.948833	0	0	0	0
osa-miR166e-3p	0	32.07662	19.63535	27.63652	283.1435	236.2595	275.2661	306.6114	269.707	332.3873
osa-miR166g-3p	9761.335	7358.705	9597.76	10904.58	10672.22	9418.119	12560.75	12794.53	10940.84	11984.54
osa-miR166h-5p	73.21002	59.21837	242.4966	114.4942	206.9979	121.4507	25.02419	65.82617	16.34588	22.08167
osa-miR166i-3p	0	8.224773	12.76298	9.212175	11.82845	2.8465	22.24372	22.51948	19.07019	8.135354
osa-miR166k-3p	0	0.822477	0.981768	1.316025	2.217834	0.948833	0	0	0	1.162193
osa-miR166m	5807.995	8406.541	6651.475	12733.86	9244.672	9635.401	15932.07	13024.92	15290.21	11842.75
osa-miR167d-5p	7760.262	27435.38	10669.85	11465.21	13266.34	11736.12	18734.78	14528.53	13755.06	8920.996
osa-miR169e	24.40334	2.467432	2.945303	9.212175	1.478556	0	0	0	4.08647	0
osa-miR171b	24.40334	136.5312	77.55964	155.2909	102.0204	91.08799	68.12141	116.0619	182.529	113.895
osa-miR171c-5p	0	0.822477	0	1.316025	0	0	0	0	0	0
osa-miR171i-3p	48.80668	4.112387	5.890606	14.47627	11.08917	8.539499	12.5121	5.196803	9.535096	13.94632
osa-miR172c	0	0	0	0	0.739278	0.948833	0	3.464535	1.362157	0

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
osa-miR1863a	0	0	0	0	0	0	0	1.732268	0	1.162193
osa-miR319a-3p.2-3p	0	2.467432	8.835908	5.2641	5.914225	7.590666	1.390233	3.464535	2.724313	8.135354
osa-miR393a	48.80668	32.89909	16.69005	47.3769	22.91762	29.41383	16.68279	27.71628	23.15666	31.37922
osa-miR395b	0	8.224773	7.854141	23.68845	5.174946	5.692999	4.170698	17.32268	6.810783	1.162193
osa-miR397b	0	0.822477	6.872373	2.63205	4.435668	3.795333	0	0	0	0
osa-miR398b	951.7302	1389.164	895.372	1693.724	1643.415	2085.535	1089.943	1009.912	119.8698	102.273
osa-miR399a	0	0	0	0	0	0	0	1.732268	0	0
osa-miR399e	0	0	0	0	1.478556	0.948833	1.390233	0	1.362157	0
osa-miR399j	0	4.934864	2.945303	6.580125	2.957112	3.795333	5.560931	5.196803	2.724313	4.648774
osa-miR408-3p	48.80668	126.6615	77.55964	69.74932	107.1953	107.2182	62.56048	36.37762	32.69176	24.40606
osa-miR5083	561.2768	18.0945	22.58065	35.53267	8.132059	17.079	36.14605	51.96803	59.93489	34.8658
pab-miR1863	0	0	0	0	0	0	0	0	0	1.162193
pab-miR397	0	3.289909	24.54419	10.5282	20.69979	9.488332	5.560931	5.196803	2.724313	9.297547
pde-miR159	0	27.96423	22.58065	55.27305	32.52823	57.87883	23.63396	32.91309	27.24313	48.81212
peu-miR2916	97.61335	1.644955	0	0	0	0	4.170698	3.464535	4.08647	2.324387
ppe-miR1511-3p	0	0.822477	1.963535	0	1.478556	2.8465	1.390233	1.732268	0	0
ppe-miR169e-5p	0	0	0.981768	1.316025	0	0	1.390233	0	0	0
ppe-miR171e	0	0	0	1.316025	2.217834	2.8465	1.390233	1.732268	0	2.324387
ppe-miR393a	48.80668	32.89909	16.69005	47.3769	22.91762	29.41383	16.68279	27.71628	23.15666	31.37922
ppe-miR398b	0	5.757341	8.835908	36.8487	17.74267	17.079	8.341397	8.661338	0	1.162193
ppe-miR858	0	0.822477	0	1.316025	0.739278	0	0	1.732268	0	0
ppt-miR160b	0	0	0	3.948075	0.739278	1.897666	1.390233	3.464535	2.724313	1.162193
ppt-miR166j	97.61335	98.69728	89.34085	119.7583	136.7664	202.1015	250.2419	218.2657	246.5503	245.2228
ppt-miR166m	0	1.644955	5.890606	5.2641	3.69639	6.641833	4.170698	1.732268	6.810783	8.135354
ppt-miR167	0	0.822477	0.981768	0	0	0	0	0	0	0
ppt-miR171a	24.40334	6.579819	17.67182	15.7923	17.0034	23.72083	30.58512	19.05494	32.69176	18.59509
ppt-miR171b	24.40334	6.579819	17.67182	15.7923	17.0034	23.72083	30.58512	19.05494	32.69176	18.59509
ppt-miR319a	1561.814	211.3767	406.4518	784.3509	543.3694	919.4194	323.9242	715.4265	800.9481	727.5331
ppt-miR390c-5p	0	4.112387	8.835908	10.5282	2.957112	3.795333	2.780466	1.732268	1.362157	0
ppt-miR408b	219.63	558.4621	199.2988	354.0107	384.4246	421.2819	290.5587	251.1788	122.5941	113.895
pta-miR159a	122.0167	20.56193	18.65358	19.74037	27.35329	31.3115	33.36559	27.71628	29.96744	38.35238
pta-miR159c	146.42	21.38441	25.52596	32.90062	31.04968	45.54399	34.75582	32.91309	38.14038	44.16335
pta-miR166c	0	0	0	0	0	0	1.390233	0	0	0
pta-miR319	1244.57	162.8505	318.0927	590.8952	391.0781	678.4158	240.5103	530.0739	583.003	550.8797
ptc-miR156k	0	1.644955	0	1.316025	4.435668	0	2.780466	3.464535	0	3.48658
ptc-miR156l	0	0	0	1.316025	0	0.948833	0	1.732268	0	0
ptc-miR160h	0	0.822477	0	2.63205	0.739278	0.948833	1.390233	0	4.08647	2.324387
ptc-miR164f	0	0	0	1.316025	1.478556	0	0	1.732268	1.362157	2.324387
ptc-miR166n	12348.09	11326.34	13842.92	17016.2	16889.55	17189.06	18939.14	19242.03	16572	16628.66

(Continued)

Table S3: *Continued*

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
ptc-miR166p	73.21002	54.2835	58.90606	68.4333	70.23142	75.90666	90.36513	81.41658	65.38352	80.19134
ptc-miR167f-3p	24.40334	48.52616	38.28894	53.95702	35.48535	24.66966	5.560931	6.929071	4.08647	5.810967
ptc-miR167f-5p	1708.234	1917.195	712.7633	1964.825	1275.255	1207.865	1408.306	1129.439	1106.071	961.1339
ptc-miR167h-5p	0	18.0945	6.872373	6.580125	9.610615	9.488332	20.85349	12.12587	20.43235	6.97316
ptc-miR169s	0	4.112387	0.981768	39.48075	0.739278	2.8465	1.390233	3.464535	2.724313	1.162193
ptc-miR171c	122.0167	161.2056	284.7126	444.8164	497.5341	428.8726	487.9717	351.6503	452.236	403.2811
ptc-miR171k	0	0.822477	2.945303	2.63205	2.217834	3.795333	4.170698	3.464535	1.362157	4.648774
ptc-miR172b-5p	0	0	0	0	0.739278	0	0	0	0	0
ptc-miR172i	0	0	0.981768	0	0	0	0	0	0	0
ptc-miR211a	48.80668	30.43166	16.69005	39.48075	17.0034	12.33483	33.36559	31.18082	17.70804	12.78413
ptc-miR319e	2537.947	729.5374	1151.613	2366.213	1497.038	2833.216	974.5532	2002.501	2277.526	1951.323
ptc-miR319i	0	6.579819	22.58065	17.10832	16.26412	28.465	1.390233	13.85814	19.07019	33.70361
ptc-miR390d-3p	0	0.822477	0	2.63205	0	2.8465	4.170698	3.464535	0	6.97316
ptc-miR396e-3p	2245.107	2302.936	1067.181	1266.016	1152.535	1347.343	590.8489	1416.995	568.0193	800.7512
ptc-miR396f	24.40334	50.99359	17.67182	40.79677	46.57452	37.95333	59.78001	62.36164	92.62665	59.27186
ptc-miR396g-5p	146.42	318.2987	161.0099	264.521	310.4968	260.9291	432.3624	318.7372	291.5015	311.4678
ptc-miR397b	0	0.822477	2.945303	2.63205	3.69639	2.8465	0	0	0	0
ptc-miR6478	1610.62	126.6615	81.48671	128.9704	82.79914	106.2693	55.60931	116.0619	108.9725	86.00231
rgl-miR5139	0	0	0	0	0.739278	0.948833	0	0	0	0
rgl-miR5141	24.40334	13.15964	9.817676	6.580125	8.132059	13.28367	11.12186	25.98401	2.724313	5.810967
sbi-miR164c	0	0	0	0	2.217834	0	0	0	1.362157	0
sbi-miR172b	0	1.644955	0.981768	5.2641	2.217834	1.897666	0	1.732268	2.724313	0
sbi-miR172f	0	0	0.981768	0	0	0.948833	0	0	0	0
sly-miR156e-5p	0	1.644955	0.981768	1.316025	1.478556	0.948833	6.951164	3.464535	2.724313	5.810967
sly-miR167b-5p	24.40334	20.56193	5.890606	6.580125	4.435668	2.8465	13.90233	25.98401	19.07019	5.810967
sly-miR168a-3p	24.40334	0.822477	1.963535	0	0.739278	0	0	0	0	0
sly-miR171d	122.0167	160.3831	284.7126	443.5004	495.3163	426.9749	485.1912	351.6503	450.8738	402.1189
sly-miR397	0	0.822477	0	1.316025	0	0.948833	0	0	0	0
sly-miR482a	0	0	0	1.316025	0	0	0	0	0	0
sly-miR6024	0	0.822477	0	1.316025	0	0	0	0	0	0
smo-miR171b	24.40334	153.8033	70.68727	126.3384	141.9414	135.6832	76.4628	109.1329	119.8698	149.9229
sof-miR159c	122.0167	19.73946	17.67182	19.74037	25.13545	28.465	33.36559	27.71628	28.60529	37.19019
sof-miR159e	0	13.15964	16.69005	6.580125	11.82845	6.641833	15.29256	10.39361	8.172939	15.10851
ssp-miR1128	0	0	0	0	0	0.948833	0	0	0	0
stu-miR156f-3p	0	0	0	0	0.739278	0.948833	0	0	0	0
stu-miR156f-5p	658.8901	375.8721	147.2651	371.119	173.7303	185.9713	233.5591	353.3826	373.2309	412.5787
stu-miR156g-3p	0	0	0	0	0	0	1.390233	0	0	0
stu-miR171b-3p	48.80668	4.112387	5.890606	14.47627	11.08917	8.539499	12.5121	5.196803	9.535096	13.94632
stu-miR171d-5p	0	1.644955	0	3.948075	2.217834	3.795333	1.390233	0	1.362157	0
stu-miR172c-3p	0	13.15964	7.854141	6.580125	5.914225	8.539499	1.390233	13.85814	5.448626	6.97316

(Continued)

Table S3: Continued

sRNA.readcount	C0a.tpm	C0b.tpm	C1a.tpm	C1b.tpm	C2a.tpm	C2b.tpm	D1a.tpm	D1b.tpm	D2a.tpm	D2b.tpm
stu-miR398a-3p	0	6.579819	3.92707	14.47627	2.217834	3.795333	4.170698	1.732268	0	0
stu-miR482e-3p	0	0.822477	0	0	0	0	0	0	0	0
tae-miR1120a	0	0.822477	0	1.316025	0	0	0	0	0	0
tae-miR167b	0	0.822477	0.981768	0	1.478556	1.897666	1.390233	5.196803	1.362157	2.324387
tae-miR395b	0	8.224773	7.854141	23.68845	5.174946	5.692999	4.170698	17.32268	6.810783	1.162193
tcc-miR172d	0	0.822477	0.981768	1.316025	0.739278	0.948833	0	0	0	0
vvi-miR156e	24.40334	6.579819	2.945303	7.89615	2.957112	3.795333	2.780466	1.732268	2.724313	4.648774
vvi-miR156h	0	0	0	0	0	0.948833	0	0	1.362157	1.162193
vvi-miR159a	0	0	0	0	0	0.948833	1.390233	0	0	0
vvi-miR166a	11152.33	10220.1	12317.26	13535.32	13104.44	11743.71	16183.7	16485.99	15833.71	16564.74
vvi-miR167c	829.7135	1172.03	398.5976	871.2085	639.4755	603.4579	563.0443	479.8381	499.9115	492.77
vvi-miR169l	0	0	0.981768	1.316025	0	0	1.390233	0	0	0
vvi-miR169o	0	0	0.981768	1.316025	0	0	1.390233	0	0	0
vvi-miR171f	122.0167	161.2056	284.7126	444.8164	496.7949	428.8726	487.9717	351.6503	452.236	402.1189
vvi-miR171h	0	0.822477	2.945303	2.63205	2.217834	3.795333	4.170698	3.464535	1.362157	4.648774
vvi-miR172a	24.40334	1.644955	2.945303	3.948075	3.69639	0.948833	1.390233	0	0	2.324387
vvi-miR172b	24.40334	1.644955	2.945303	3.948075	3.69639	0.948833	1.390233	0	0	2.324387
vvi-miR2111-5p	0	10.69221	1.963535	13.16025	5.174946	7.590666	5.560931	12.12587	1.362157	4.648774
vvi-miR3630-3p	195.2267	4.934864	8.835908	21.0564	8.132059	11.386	25.02419	48.50349	40.8647	23.24387
vvi-miR399i	24.40334	0	0.981768	0	0	0	0	0	0	0
vvi-miR828a	0	0	0	1.316025	0	0	0	0	0	0
vvi-miR845a	0	0	0	0	0	0.948833	0	3.464535	1.362157	0
zma-miR156e-3p	0	2.467432	0	1.316025	3.69639	1.897666	4.170698	0	2.724313	0
zma-miR156k-5p	24.40334	8.224773	0	3.948075	5.914225	3.795333	1.390233	12.12587	10.89725	2.324387
zma-miR159h-3p	0	0.822477	0.981768	0	2.957112	2.8465	4.170698	0	0	1.162193
zma-miR162-3p	3099.224	4942.266	3497.056	4792.963	4936.16	3646.366	4205.454	4966.411	5422.745	4189.707
zma-miR164h-5p	24.40334	32.07662	16.69005	47.3769	33.26751	61.67416	20.85349	39.84216	54.48626	30.21703
zma-miR166h-3p	14471.18	25837.3	19748.26	29015.72	27554.37	25829.14	34117.7	33968.04	35181.78	37923.53
zma-miR167j-3p	0	0	0	0	0.739278	0	0	0	0	0
zma-miR171a-3p	0	0.822477	2.945303	6.580125	2.217834	4.744166	4.170698	3.464535	1.362157	4.648774
zma-miR171b-3p	24.40334	48.52616	31.41656	47.3769	45.83524	37.0045	19.46326	41.57442	66.74567	40.67677
zma-miR171c-3p	0	0.822477	0	0	0	0	1.390233	5.196803	0	3.48658
zma-miR171c-5p	0	0	0	1.316025	0	0	0	0	0	0
zma-miR319a-5p	24.40334	1.644955	0.981768	1.316025	0	0.948833	0	1.732268	1.362157	1.162193
zma-miR397a-5p	0	0	0.981768	0	0	0.948833	1.390233	0	1.362157	1.162193
zma-miR398a-3p	0	15.62707	12.76298	10.5282	10.34989	16.13016	5.560931	10.39361	1.362157	0

Table S4:

Name	Sequence
novel_1	uacgugugucuucaccucugaa
novel_10	uggacugaaggggagcuccuuc
novel_100	uaugaagaugugaagcugagu
novel_104	uggcaaaauucucuuggcuaca
novel_105	uuuucccuuugaguuucccaa
novel_106	agacugcucaugugggaagagg
novel_112	gauacaucaaugauuuuaugaacc
novel_115	ucucggaccaggcuucauucc
novel_118	uauguugcgacugauuuucacguc
novel_119	caauggauuaugcaagacgag
novel_120	gaaaaugaggaccggucugcu
novel_121	auuuauaauaauguaucugauc
novel_124	uacauucauaucaacuugccucc
novel_125	aacggauugaucuggcucugugcc
novel_126	aaaauugauugcuguuuuagguuuu
novel_127	augaucgugaauugguugacagugu
novel_129	ugauguuguuaauuaaaauagauu
novel_132	uucagaucuaacgauuuugcaguu
novel_134	auuuauaguugauguauucgguc
novel_137	uuugauuaucaauguauucgg
novel_144	aacaaggcucugauaccauc
novel_148	auugaauaacugauguauucgguc
novel_17	uuacauaauccauugaucaagg
novel_2	aaccaggcucugauaccauga
novel_22	uuaccuacccucccauaccua
novel_33	uacaugucgcucucaccugga
novel_34	ugaagcugccagcaugaucuga
novel_39	auuagcucugauaccaauuguuag
novel_43	gcucucuagacuucugucaucc
novel_45	uugacagaagagagugagcac
novel_49	cagggaacagacugagcaugg
novel_50	uuuaccgucugacaaagauc
novel_51	aaaugguucuguauuugaagc
novel_52	ucgcuuggugcaggucgggaa
novel_56	aagcuaggagggaugagcgcc
novel_57	caugugcccucuuccccauc
novel_60	uugauucucaucacaacuugg
novel_62	ugacagaagagagugagcaca
novel_63	uuucgggagugagaaccagug
novel_68	cugaagcguuugguugaacu
novel_70	uugagccgcgucaauaucucg

Table S4: Continued

Name	Sequence
novel_71	cuaagccuugggaugcggauuauuc
novel_72	cuuuaguacagugagguggguu
novel_73	uuuugguugggccuaacucuaa
novel_79	uaagaucagaccguuugaau
novel_8	uuccacagcuuucugaacuu
novel_83	gcuggauguuuuuguaggaaac
novel_85	cauuagaauaagaugauaucuggu
novel_87	ucuauuuuucuaacuugauuaau
novel_94	uaaacguggcaagauuuuaggggu
novel_95	uugucaauugaauuuucuguu
novel_96	uuucuuauuuuagggauccgacgu
novel_97	uaagacggcuauacuugcagaguu
novel_98	aucaugggugguuucucuuu
novel_99	cggcaagucgucucgggcuaa

Table S5:

miRNA	C0a	C0b	C1a	C1b	C2a	C2b	D1a	D1b	D2a	D2b
novel_1*	2	14	13	3	13	7	2	2	2	5
novel_10*	0	3	15	5	18	13	0	2	1	0
novel_100*	0	0	1	0	0	0	0	0	0	0
novel_103*	0	0	1	0	0	0	0	0	0	0
novel_105*	0	0	0	0	0	0	0	0	1	0
novel_106*	0	0	0	0	1	0	0	0	0	0
novel_112*	0	2	3	4	5	4	1	4	1	2
novel_115*	0	2	0	2	2	1	0	1	0	0
novel_119*	26	1074	527	669	1327	788	564	467	606	681
novel_120*	0	0	0	1	0	0	0	0	0	0
novel_122*	0	0	0	0	1	0	0	0	0	0
novel_124*	0	0	0	0	0	0	0	1	0	0
novel_125*	0	0	0	1	0	0	0	0	0	0
novel_126*	0	1	0	0	0	0	0	0	1	0
novel_131*	1	60	61	44	59	63	31	40	34	64
novel_137*	0	1	0	1	0	0	0	0	0	0
novel_17*	14	147	142	123	256	87	35	81	56	59
novel_2*	93	1315	2687	1590	3103	2232	553	794	500	647
novel_20*	0	0	0	1	0	0	0	0	0	0
novel_22*	0	2	1	3	1	0	0	0	0	0
novel_33*	0	3	4	1	4	3	0	4	0	4
novel_34*	8	187	99	99	181	97	24	31	27	17
novel_39*	0	2	2	6	4	4	0	1	0	0
novel_43*	0	4	1	3	1	1	0	0	1	1
novel_45*	0	6	6	7	12	4	1	3	2	7
novel_50*	1	6	3	2	2	1	0	1	0	0
novel_51*	2	10	5	22	4	7	2	5	5	6
novel_54*	0	49	42	14	62	41	24	4	11	28
novel_55*	0	0	1	4	3	2	4	0	1	1
novel_57*	1	0	1	1	0	0	0	0	0	2
novel_60*	0	3	108	32	119	58	7	5	6	25
novel_63*	0	7	3	4	5	3	0	5	2	2
novel_65*	2	35	11	5	20	22	14	4	2	5
novel_68*	1	0	2	2	5	1	0	0	0	0
novel_70*	0	5	5	5	6	2	1	2	2	1
novel_72*	0	0	3	1	0	0	0	0	0	0
novel_79*	0	0	17	0	0	4	4	5	2	13
novel_80*	1	1	3	1	3	1	0	0	1	1
novel_85*	3	5	9	15	15	6	3	10	11	13
novel_87*	0	1	6	6	0	3	0	3	0	0
novel_88*	0	0	6	1	4	0	0	0	0	0

(Continued)

Table S5: *Continued*

miRNA	C0a	C0b	C1a	C1b	C2a	C2b	D1a	D1b	D2a	D2b
novel_91*	0	2	2	2	1	0	0	0	0	0
novel_94*	0	0	0	0	0	0	1	0	0	0
novel_95*	0	0	1	0	0	0	0	0	0	0
novel_96*	0	0	0	1	0	1	0	1	0	0
novel_97*	0	0	0	0	0	0	0	0	0	1
novel_98*	0	2	0	0	0	0	0	0	0	0