

TABLE S6: Testis and Ovary biased miRNAs

Testis biased

chrom	miRNA	Testes reads	Ovary reads	T/Ov+T	Ov/T+Ov	Sum Reads	% miRNA	
chr2L	dme-mir-1004	144	0	0	1	0	144	0.01472903
chr2R	dme-mir-137	38	0	0	1	0	38	0.003886827
chrX	dme-mir-210	10	0	0	1	0	10	0.001022849
chr3L	dme-mir-263b	13	0	0	1	0	13	0.001329704
chr3L	dme-mir-315	12	0	0	1	0	12	0.001227419
chr2L	dme-mir-375	1491	0	0	1	0	1491	0.152506835
chrX	dme-mir-971	33	0	0	1	0	33	0.003375403
chrX	dme-mir-972	961	0	0	1	0	961	0.098295821
chrX	dme-mir-973	51	0	0	1	0	51	0.005216532
chrX	dme-mir-974	82	0	0	1	0	82	0.008387364
chrX	dme-mir-975	2134	0	0	1	0	2134	0.218276047
chrX	dme-mir-976	7525	0	0	1	0	7525	0.76969412
chrX	dme-mir-977	8100	0	0	1	0	8100	0.828507956
chrX	dme-mir-978	8457	0	0	1	0	8457	0.865023677
chrX	dme-mir-979	497	0	0	1	0	497	0.050835612
chrX	dme-mir-981	16	0	0	1	0	16	0.001636559
chr2R	dme-mir-992	395	0	0	1	0	395	0.040402548
chr3R	dme-mir-997	59	0	0	1	0	59	0.006034811
chr3R	dme-mir-iab-4as	16	0	0	1	0	16	0.001636559
chr2L	dme-mir-959	17252	10	0.99943	0.00057		17262	1.765620246
chr2L	dme-mir-964	10115	12	0.99879	0.00121		10127	1.035862826
chr3L	dme-mir-274	7928	12	0.99846	0.00154		7940	0.812165678
chr2L	dme-mir-963	926	2	0.99737	0.00263		928	0.094965994
chr2L	dme-mir-960	5436	27	0.99508	0.00492		5463	0.558772501
chrX	dme-mir-985	321	2	0.99244	0.00756		323	0.033083609
chr3L	dme-mir-9a	6846	98	0.98591	0.01409		6944	0.710248489
chr2L	dme-mir-124	151	2	0.98406	0.01594		153	0.015695171
chr3R	dme-mir-277	9542	213	0.97819	0.02181		9755	0.997765528
chr2L	dme-mir-961	477	12	0.97501	0.02499		489	0.050040643
chr3R	dme-mir-1013	54	2	0.95667	0.04333		56	0.005773532
chr3R	dme-mir-252	990	51	0.95068	0.04932		1041	0.106515149
chr2L	dme-mir-133	38	2	0.93953	0.06047		40	0.004136973
chr2R	dme-mir-991	127	10	0.92848	0.07152		137	0.01399077
chr2R	dme-mir-988	6587	523	0.92640	0.07360		7110	0.727282088
chr2R	dme-mir-310	3356	289	0.92082	0.07918		3645	0.372785458
chrX	dme-mir-12	62228	5576	0.91776	0.08224		67804	6.935319591
chr2L	dme-mir-932	45	5	0.90196	0.09804		50	0.005103114
chr3R	dme-mir-1010	168	20	0.89569	0.10431		188	0.019185036
chr2R	dme-mir-278	2426	286	0.89450	0.10550		2712	0.277410324
chr3R	dme-mir-2c	19	2	0.88596	0.11404		21	0.00219356
chrX	dme-mir-983	6732	1010	0.86954	0.13046		7742	0.791892449
chr2R	dme-mir-311	3582	582	0.86022	0.13978		4164	0.425919368
chr2L	dme-mir-962	471	81	0.85372	0.14628		552	0.05643102
chr2L	dme-mir-125	3331	614	0.84439	0.15561		3945	0.403497747

chr3L	dme-mir-316	4417	814	0.84433	0.15567	5231	0.535091153
chr2L	dme-let-7	11559	2179	0.84139	0.15861	13738	1.405191589
chr2R	dme-mir-1008	11	2	0.81811	0.18189	13	0.00137528
chr3R	dme-mir-999	673	179	0.79034	0.20966	852	0.087098415
chr3R	dme-mir-317	4489	1294	0.77628	0.22372	5783	0.591484276
chr2L	dme-mir-305	18583	6588	0.73826	0.26174	25171	2.574654122
chr3L	dme-mir-956	54	22	0.71043	0.28957	76	0.0077747
chr2L	dme-mir-100	226	93	0.70861	0.29139	319	0.032621941
chr3R	dme-mir-13a	29	12	0.70341	0.29659	41	0.004216993
chrX	dme-mir-31b	875	416	0.67790	0.32210	1291	0.132024129

Ovary biased

chrom	miRNA	Testes reads	Ovary reads	T/Ov+T	Ov/T+Ov	Sum Reads	% miRNA
chr2R	dme-mir-989	6	111853	0.00005	0.99995	111859	11.44153945
chr3R	dme-mir-318	20	44135	0.00045	0.99955	44155	4.516429825
chr3R	dme-mir-994	19	18298	0.00104	0.99896	18317	1.873535481
chr2L	dme-mir-2b-1	2	460	0.00433	0.99567	462	0.04723201
chrX	dme-mir-13b-2	1	218	0.00457	0.99543	219	0.022365275
chr3R	dme-mir-996	348	36033	0.00957	0.99043	36381	3.72124572
chr3L	dme-bantam	687	69609	0.00977	0.99023	70296	7.190174187
chr2R	dme-mir-184	540	38992	0.01366	0.98634	39532	4.043561038
chr2R	dme-mir-1009	5	220	0.02221	0.97779	225	0.023024561
chr2L	dme-mir-965	9	355	0.02475	0.97525	364	0.037191728
chr2L	dme-mir-79	219	8506	0.02510	0.97490	8725	0.892408047
chr2L	dme-mir-263a	245	8899	0.02679	0.97321	9144	0.935340954
chr3L	dme-mir-33	166	5092	0.03157	0.96843	5258	0.537783186
chr2L	dme-mir-2b-2	40	1091	0.03538	0.96462	1131	0.115656495
chr2R	dme-mir-308	30	790	0.03659	0.96341	820	0.083865693
chr2L	dme-mir-275	605	15923	0.03660	0.96340	16528	1.690582725
chr3L	dme-mir-276	123	3194	0.03708	0.96292	3317	0.33927167
chr2R	dme-mir-281-2	21	430	0.04652	0.95348	451	0.046173672
chr3R	dme-mir-995	228	4654	0.04670	0.95330	4882	0.499348725
chr2L	dme-mir-1	241	3788	0.05981	0.94019	4029	0.41212676
chr2R	dme-mir-307	42	599	0.06551	0.93449	641	0.065581727
chr3R	dme-mir-998	84	986	0.07854	0.92146	1070	0.109400756
chr2L	dme-mir-87	12	139	0.07926	0.92074	151	0.015485739
chr2L	dme-mir-2a-1	13	149	0.08016	0.91984	162	0.016588608
chr2L	dme-mir-1005	3	34	0.08056	0.91944	37	0.003808898
chr2R	dme-mir-281-1	143	1277	0.10073	0.89927	1420	0.145202936
chr2L	dme-mir-966	6	51	0.10461	0.89539	57	0.005866775
chr2L	dme-mir-2a-2	112	829	0.11902	0.88098	941	0.096255393
chr3R	dme-mir-929	4	29	0.11995	0.88005	33	0.003410891
chr2R	dme-mir-313	370	1538	0.19389	0.80611	1908	0.195187234
chrX	dme-mir-1007	6	24	0.19701	0.80299	30	0.003115169
chr3R	dme-mir-284	16	56	0.22146	0.77854	72	0.007389916
chr2R	dme-mir-7	863	2981	0.22450	0.77550	3844	0.393199821
chr3L	dme-mir-190	13	44	0.22799	0.77201	57	0.005832331
chr2L	dme-mir-2b	6058	20095	0.23163	0.76837	26153	2.675091471

chr2L	dme-mir-2a	14216	47031	0.23211	0.76789	61247	6.264639548
chrX	dme-mir-304	556	1817	0.23430	0.76570	2373	0.24272887
chr2L	dme-mir-9c	2050	5715	0.26399	0.73601	7765	0.794275219
chr2L	dme-mir-306	951	2472	0.27779	0.72221	3423	0.350170536
chr3R	dme-mir-13b	5212	13392	0.28015	0.71985	18604	1.902908343
chr2R	dme-mir-986	309	736	0.29566	0.70434	1045	0.106899978
chr3R	dme-mir-1012	46	98	0.31984	0.68016	144	0.014710945
chr2R	dme-mir-312	1704	3546	0.32457	0.67543	5250	0.537005167
chr2L	dme-mir-9b	6727	13372	0.33469	0.66531	20099	2.055868849

At least 10 normalized reads in the summed normalized reads in male and female gonads are required.

A ratio (Testis/Ovary+Testis) ≥ 0.66 is Testis biased. A ratio (Ovary/Ovary +Testis) ≥ 0.66 is Ovary biased

T: Testis; Ov: Ovaries