

TABLE S4: Male and female biased miRNAs in adult heads

Male biased

chrom	miRNA	Male Head reads	Female Head reads	M/M+F	F/M+F	Sum Reads	% miRNA
chrX	dme-mir-974	9	2	0.81405	0.18595	11	0.000247
chr3L	dme-mir-190	2189	634	0.77540	0.22460	2823	0.06472
chr2L	dme-mir-305-as	21	8	0.72426	0.27574	29	0.000665
chr3L	dme-mir-276	119752	58112	0.67328	0.32672	177864	4.077941
chr2R	dme-mir-1008	208	104	0.66707	0.33293	312	0.007162

Female biased

chrom	miRNA	Male Head reads	Female Head reads	M/M+F	F/M+F	Sum Reads	% miRNA
chr3L	dme-mir-958	5	29	0.15336	0.84664	34	0.000785
chrX	dme-mir-31b	12	44	0.21788	0.78212	56	0.00129
chr2L	dme-mir-964	12	41	0.23015	0.76985	53	0.001221
chr3L	dme-mir-956	7	20	0.25938	0.74062	27	0.000619
chrX	dme-mir-980	611	1464	0.29450	0.70550	2075	0.047577
chrX	dme-mir-981	404	968	0.29472	0.70528	1372	0.031468
chr3L	dme-mir-274	24301	55708	0.30373	0.69627	80009	1.834398
chr3L	dme-mir-314	32	72	0.30448	0.69552	104	0.002373
chr2L	dme-mir-961	9	20	0.30448	0.69552	29	0.000659
chr2L	dme-mir-963	9	20	0.30448	0.69552	29	0.000659
chr3R	dme-mir-284	907	2009	0.31105	0.68895	2916	0.066857
chr2R	dme-mir-286	7	15	0.31831	0.68169	22	0.000504
chr2L	dme-mir-275	1170	2503	0.31849	0.68151	3673	0.084205
chrX	dme-mir-13b-2	47	101	0.31885	0.68115	148	0.0034
chr2R	dme-mir-986	475	1006	0.32052	0.67948	1481	0.033945
chrX	dme-mir-210	54115	106957	0.33597	0.66403	161072	3.692947
chr3R	dme-mir-11	10872	21450	0.33637	0.66363	32322	0.741065
chr2L	dme-mir-960	53	103	0.33776	0.66224	156	0.003566
chr2L	dme-mir-133	8468	16473	0.33953	0.66047	24941	0.571834

At least 10 normalized reads in the summed normalized reads were required.

A ratio (F/M+F) >=0.66 is female biased in the head. A ratio(M/M+F) >=0.66 is male biased. F: female; M: Male.