

**TABLE S5: Male vs. female biased miRNAs in the adult body**

**Male body biased**

chrom	miRNA	Male Body reads	Female Body reads	M/M+F	F/M+F	Sum Reads	% miRNA
chrX	dme-mir-972	61	0	1	0	<b>61</b>	0.001355886
chrX	dme-mir-975	33	0	1	0	<b>33</b>	0.000733512
chrX	dme-mir-977	680	0	1	0	<b>680</b>	0.015114796
chrX	dme-mir-979	21	0	1	0	<b>21</b>	0.00046678
chr3R	dme-mir-997	184	0	1	0	<b>184</b>	0.004089886
chrX	dme-mir-978	241	3	0.98597	0.01403	<b>244</b>	0.00543307
chrX	dme-mir-974	236	3	0.98568	0.01432	<b>239</b>	0.005321932
chrX	dme-mir-976	380	7	0.98227	0.01773	<b>387</b>	0.008598921
chr2L	dme-mir-959	478	10	0.97894	0.02106	<b>488</b>	0.010853439
chrX	dme-mir-303	142	3	0.97642	0.02358	<b>145</b>	0.003232534
chrX	dme-mir-985	214	7	0.96895	0.03105	<b>221</b>	0.004909133
chrX	dme-mir-983	724	24	0.96791	0.03209	<b>748</b>	0.016626275
chrX	dme-mir-984	551	24	0.95826	0.04174	<b>575</b>	0.012780893
chrX	dme-mir-973	76	3	0.95683	0.04317	<b>79</b>	0.00176551
chr2L	dme-mir-963	368	21	0.94706	0.05294	<b>389</b>	0.008637026
chr2R	dme-mir-991	120	7	0.94595	0.05405	<b>127</b>	0.002819735
chr2L	dme-mir-960	1717	117	0.93642	0.06358	<b>1834</b>	0.040755964
chr2R	dme-mir-992	45	3	0.92920	0.07080	<b>48</b>	0.001076453
chr2L	dme-mir-964	437	34	0.92725	0.07275	<b>471</b>	0.010475569
chrX	dme-mir-982	118	10	0.91982	0.08018	<b>128</b>	0.002851489
chr2L	dme-mir-961	177	17	0.91170	0.08830	<b>194</b>	0.004315337
chr3L	dme-mir-285	76	14	0.84713	0.15287	<b>90</b>	0.001994137
chr2R	dme-mir-1009	38	10	0.78698	0.21302	<b>48</b>	0.001073277
chr3L	dme-mir-193	12	3	0.77778	0.22222	<b>15</b>	0.000342941
chr2L	dme-mir-962	401	134	0.74993	0.25007	<b>535</b>	0.011885434
chrX	dme-mir-304	17186	7227	0.70396	0.29604	<b>24413</b>	0.542652738
chrX	dme-mir-12	21306	9603	0.68930	0.31070	<b>30909</b>	0.687043433
chr2R	dme-mir-313	59	27	0.68264	0.31736	<b>86</b>	0.001921103

**Female body biased**

chrom	miRNA	Male Body reads	Female Body reads	M/M+F	F/M+F	Sum Reads	% miRNA
chr2R	dme-mir-989	44	45010	0.00098	0.99902	<b>45054</b>	1.001449337
chr3R	dme-mir-318	4	261	0.01512	0.98488	<b>265</b>	0.005880792
chr3R	dme-mir-994	4	261	0.01512	0.98488	<b>265</b>	0.005880792
chr3R	dme-mir-92b	42	233	0.15265	0.84735	<b>275</b>	0.006115771
chr2L	dme-mir-966	5	21	0.19553	0.80447	<b>26</b>	0.000568392
chr2L	dme-mir-2a-1	21	75	0.21778	0.78222	<b>96</b>	0.002143378
chr3L	dme-mir-190	162	579	0.21850	0.78150	<b>741</b>	0.016480193
chr3L	dme-mir-276	47955	128270	0.27212	0.72788	<b>176225</b>	3.917056396
chr2L	dme-mir-275	1122	2616	0.30016	0.69984	<b>3738</b>	0.083086855
chr3R	dme-mir-92a	254	579	0.30477	0.69523	<b>833</b>	0.018525136
chrX	dme-mir-283	577	1245	0.31676	0.68324	<b>1822</b>	0.040489204
chrX	dme-mir-13b-2	92	189	0.32790	0.67210	<b>281</b>	0.006236436

chr2L	dme-mir-87	908	1834	0.33111	0.66889	<b>2742</b>	0.060954495
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At least 10 normalized reads in the summed normalized reads were required.

A ratio  $(F/M+F) \geq 0.66$  is female biased. A ratio  $(M/M+F) \geq 0.66$  is male biased. F: female; M: male.