

TABLE S7: miRNAs with testis vs. male body biases

Male Body (male somatic tissues) biased miRNAs

chrom	miRNA	Male Body reads	Testis reads	BM/BM+T	Testis/BM+T	Sum reads	% miRNA
chr3R	dme-mir-1014	248	0	0.99831	0.00169	248	0.007666282
chr3L	dme-mir-285	76	0	0.99759	0.00241	76	0.002349344
chr2R	dme-mir-5	14	0	0.99602	0.00398	14	0.000432774
chrX	dme-mir-927	41	0	0.99575	0.00425	41	0.001267409
chr3L	dme-mir-957	839	0	0.99232	0.00768	839	0.025935526
chrX	dme-mir-969	27	0	0.99135	0.00865	27	0.000834636
chr2L	dme-mir-1	496888	844	0.99110	0.00890	497732	15.38608851
chr3R	dme-mir-993	1448	4	0.99025	0.00975	1452	0.044869387
chr3R	dme-mir-1000	875	4	0.98889	0.01111	879	0.027156567
chr3L	dme-mir-958	7379	32	0.98709	0.01291	7411	0.229076539
chr3R	dme-mir-929	1810	14	0.98579	0.01421	1824	0.056384267
chr3L	dme-mir-314	11627	102	0.98057	0.01943	11729	0.362556399
chr3L	dme-mir-276	47955	431	0.97286	0.02714	48386	1.495713233
chr3L	dme-bantam	244113	2405	0.97235	0.02765	246518	7.620454209
chr2L	dme-mir-2b-1	623	7	0.96967	0.03033	630	0.019474829
chr2R	dme-mir-987	803	11	0.96335	0.03665	814	0.025147259
chr2R	dme-mir-281-2	5100	74	0.96175	0.03825	5174	0.159925441
chr3L	dme-mir-276b	530	11	0.96000	0.04000	541	0.016708167
chr2L	dme-mir-965	1129	32	0.95829	0.04171	1161	0.035873872
chr2R	dme-mir-281-1	17602	501	0.95579	0.04421	18103	0.559592219
chr3R	dme-mir-10	19132	599	0.94667	0.05333	19731	0.609917652
chrX	dme-mir-13b-2	92	4	0.94312	0.05688	96	0.002952137
chr3L	dme-mir-263b	1144	46	0.94063	0.05937	1190	0.036770333
chr3R	dme-mir-996	29997	1218	0.93805	0.06195	31215	0.964931435
chr3L	dme-mir-219	84	4	0.93348	0.06652	88	0.002704837
chr3L	dme-mir-956	4342	189	0.93241	0.06759	4531	0.140064211
chr2L	dme-mir-87	908	42	0.92117	0.07883	950	0.029366807
chr2R	dme-mir-308	1864	105	0.92075	0.07925	1969	0.060866571
chr3L	dme-mir-33	9633	581	0.92008	0.07992	10214	0.315739544
chr2L	dme-mir-79	12143	767	0.90328	0.09672	12910	0.399063995
chr3R	dme-mir-1001	106	7	0.89855	0.10145	113	0.003493104
chr2R	dme-mir-307	2063	147	0.89829	0.10171	2210	0.068316467
chr2L	dme-mir-263a	11829	858	0.89028	0.10972	12687	0.392170527
chrX	dme-mir-210	409	35	0.88898	0.11102	444	0.013725119
chr2L	dme-mir-1005	122	11	0.88770	0.11230	133	0.004095897
chr3L	dme-mir-276a	90583	7868	0.88703	0.11297	98451	3.043359558
chr3R	dme-mir-284	523	56	0.88703	0.11297	579	0.017898297
chr3R	dme-mir-1015	62	7	0.88703	0.11297	69	0.002132958
chrX	dme-mir-304	17186	1946	0.88703	0.11297	19132	0.591416607
chr2R	dme-mir-184	15336	1890	0.88703	0.11297	17226	0.53249752
chr2L	dme-mir-133	1065	133	0.88703	0.11297	1198	0.037033091
chr2L	dme-mir-1006	415	53	0.88703	0.11297	468	0.014451561
chr3R	dme-mir-13a	797	102	0.88703	0.11297	899	0.027774818
chr3R	dme-mir-1017	25	4	0.87719	0.12281	29	0.000881004

chr2R	dme-mir-31a	24842	3969	0.86224	0.13776	28811	0.890618047
chrX	dme-mir-980	2995	539	0.84748	0.15252	3534	0.109244532
chr2L	dme-mir-124	2863	529	0.84417	0.15583	3392	0.104839511
chr2L	dme-mir-2b-2	615	140	0.81457	0.18543	755	0.023338886
chr3R	dme-mir-iab-4	94	25	0.79325	0.20675	119	0.003663123
chr3R	dme-mir-998	1074	294	0.78509	0.21491	1368	0.042288209
chr3L	dme-mir-190	162	46	0.78072	0.21928	208	0.00641433
chr2R	dme-mir-1008	106	39	0.73356	0.26644	145	0.004466847
chr3R	dme-mir-279	14571	5439	0.72819	0.27181	20010	0.618557825
chr2L	dme-mir-2a-2	1047	392	0.72759	0.27241	1439	0.044482994
chr3R	dme-mir-iab-4as	144	56	0.72000	0.28000	200	0.006182487
chr2R	dme-mir-137	341	133	0.71941	0.28059	474	0.014652494
chr3L	dme-mir-955	59	25	0.70659	0.29341	84	0.002581188
chr3R	dme-mir-277	76053	33397	0.69487	0.30513	109450	3.383366128
chr2R	dme-mir-8	447346	198170	0.69301	0.30699	645516	19.95447212
chrX	dme-mir-1007	47	21	0.69118	0.30882	68	0.002102046
chr2R	dme-mir-1009	38	18	0.68468	0.31532	56	0.00171564
chr2R	dme-mir-989	44	21	0.67692	0.32308	65	0.002009308

Testis enriched miRNAs

chrom	miRNA	Male Body reads	Testis reads	BM/BM+T	Testis/BM+T	Sum Reads	% miRNA
chrX	dme-mir-975	33	7469	0.00440	0.99560	7502	0.231905256
chr2R	dme-mir-310	55	11746	0.00466	0.99534	11801	0.36479791
chr2R	dme-mir-311	68	12537	0.00539	0.99461	12605	0.389651525
chr2L	dme-mir-959	478	60382	0.00785	0.99215	60860	1.881332152
chrX	dme-mir-978	241	29600	0.00808	0.99192	29841	0.922443182
chrX	dme-mir-979	21	1740	0.01193	0.98807	1761	0.054421381
chr2L	dme-mir-964	437	35403	0.01219	0.98781	35840	1.107887009
chrX	dme-mir-976	380	26338	0.01422	0.98578	26718	0.825903573
chr2R	dme-mir-312	95	5964	0.01568	0.98432	6059	0.187298577
chr3R	dme-mir-92b	42	2615	0.01581	0.98419	2657	0.082118942
chrX	dme-mir-972	61	3364	0.01781	0.98219	3425	0.105859709
chrX	dme-mir-977	680	28350	0.02342	0.97658	29030	0.897388622
chrX	dme-mir-983	724	23562	0.02981	0.97019	24286	0.750739922
chr2R	dme-mir-992	45	1383	0.03152	0.96848	1428	0.044127532
chrX	dme-mir-971	4	116	0.03347	0.96653	120	0.003694039
chr2R	dme-mir-988	876	23055	0.03661	0.96339	23931	0.739750538
chr2R	dme-mir-313	59	1295	0.04357	0.95643	1354	0.041855466
chr3R	dme-mir-92a	254	4984	0.04849	0.95151	5238	0.161919445
chr3R	dme-mir-318	4	70	0.05405	0.94595	74	0.002287522
chr3R	dme-mir-994	4	67	0.05674	0.94326	71	0.002179328
chr2R	dme-mir-3	2	28	0.06667	0.93333	30	0.000927374
chrX	dme-mir-984	551	7704	0.06675	0.93325	8255	0.255166864
chr2L	dme-mir-1004	44	504	0.08029	0.91971	548	0.016940025
chr2L	dme-mir-960	1717	19026	0.08277	0.91723	20743	0.641217054
chr3R	dme-mir-1011	1	11	0.08696	0.91304	12	0.000355493
chrX	dme-mir-12	21306	217798	0.08911	0.91089	239104	7.391291592
chr2L	dme-mir-961	177	1670	0.09586	0.90414	1847	0.057079847

chr2L	dme-mir-963	368	3241	0.10197	0.89803	3609	0.111563048
chr3L	dme-mir-274	3593	27748	0.11464	0.88536	31341	0.968827221
chr3R	dme-mir-317	2370	15712	0.13107	0.86893	18082	0.558943528
chr2L	dme-mir-9b	4263	23545	0.15330	0.84670	27808	0.859598032
chrX	dme-mir-985	214	1124	0.16000	0.84000	1338	0.041345405
chr2L	dme-mir-305	13965	65041	0.17676	0.82324	79006	2.442253734
chr4	dme-mir-954	50	217	0.18727	0.81273	267	0.008253625
chr3R	dme-mir-34	9383	40124	0.18953	0.81047	49507	1.530382746
chr2L	dme-mir-966	5	21	0.19231	0.80769	26	0.000803724
chr2L	dme-mir-962	401	1649	0.19566	0.80434	2050	0.063355069
chr2R	dme-mir-991	120	445	0.21258	0.78742	565	0.017450079
chr3R	dme-mir-1013	52	189	0.21577	0.78423	241	0.007449901
chrX	dme-mir-982	118	420	0.21933	0.78067	538	0.016630899
chr2L	dme-mir-306	1152	3329	0.25711	0.74289	4481	0.13850323
chr3L	dme-mir-316	5546	15460	0.26403	0.73597	21006	0.649331456
chrX	dme-mir-303	142	396	0.26419	0.73581	538	0.016615442
chr3R	dme-mir-2c	27	67	0.28877	0.71123	94	0.002890314
chrX	dme-mir-973	76	179	0.29862	0.70138	255	0.007867218
chr3R	dme-mir-11	14438	32372	0.30844	0.69156	46810	1.446996236
chr2L	dme-mir-125	5238	11659	0.31000	0.69000	16897	0.522312177
chrX	dme-mir-283	577	1257	0.31470	0.68530	1834	0.056677973
chr2L	dme-mir-2a-1	21	46	0.31579	0.68421	67	0.002055678
chr3L	dme-mir-193	12	25	0.32877	0.67123	37	0.001128304

At least 10 normalized reads in the summed normalized reads were required. A ratio (BodyM/BodyM+Testis) ≥ 0.66 is male body biased. A ratio (Testis/Body M+Testis) ≥ 0.66 is testis biased. BM: Body Male; T: testis