

Table S3. Small RNA reads that were mapped to microRNAs.

microRNAs	DGCR8_WT	DGCR8_KO	Remaining ratio, %	microRNAs	Dicer_WT	Dicer_KO	Remaining ratio, %
mmu-miR-203	75804	342	0.53	mmu-miR-203	62861	223	0.59
mmu-miR-205	45001	311	0.82	mmu-miR-205	34637	269	1.28
mmu-miR-27b	15348	607	4.68	mmu-miR-27b	14630	296	3.34
mmu-miR-26a	12875	397	3.65	mmu-miR-26a	11311	262	3.83
mmu-let-7f	11347	214	2.23	mmu-let-7f	9121	263	4.77
mmu-miR-24	10825	344	3.76	mmu-miR-24	12118	349	4.76
mmu-let-7a	10595	245	2.74	mmu-let-7a	7897	324	6.79
mmu-let-7i	9009	425	5.58	mmu-let-7i	8250	432	8.66
mmu-let-7c	8020	207	3.06	mmu-let-7c	8225	291	5.86
mmu-miR-27a	7951	267	3.97	mmu-miR-27a	10455	262	4.14
mmu-let-7g	7861	169	2.54	mmu-let-7g	5626	181	5.32
mmu-miR-200b	7816	78	1.18	mmu-miR-200b	6416	23	0.59
mmu-miR-17	7765	315	4.80	mmu-miR-17	5725	65	1.88
mmu-miR-20a	7314	162	2.62	mmu-miR-20a	4727	65	2.27
mmu-miR-200c	7114	82	1.36	mmu-miR-200c	7461	23	0.51
mmu-miR-200a	7008	63	1.06	mmu-miR-200a	6899	16	0.38
mmu-miR-93	6273	210	3.96	mmu-miR-93	4986	109	3.61
mmu-miR-19b	6108	211	4.09	mmu-miR-19b	5456	86	2.61
mmu-miR-141	5412	94	2.06	mmu-miR-141	5400	10	0.31
mmu-miR-106b	5317	220	4.90	mmu-miR-106b	3913	52	2.20
mmu-let-7d	5064	114	2.66	mmu-let-7d	4266	115	4.46
mmu-miR-103	4961	193	4.60	mmu-miR-103	4666	118	4.18
mmu-miR-125b-5p	4529	137	3.58	mmu-miR-125b-5p	3219	123	6.32
mmu-miR-23b	4332	138	3.76	mmu-miR-23b	4179	127	5.00
mmu-miR-23a	4077	63	1.81	mmu-miR-23a	4648	195	6.92
mmu-miR-92a	3737	81	2.57	mmu-miR-92a	2563	39	2.52

mmu-miR-30e	3295	98	3.52	mmu-miR-30e	2679	65	4.01
mmu-miR-21	3133	809	30.57	mmu-miR-21	3378	701	34.30
mmu-miR-148a	3100	107	4.09	mmu-miR-148a	3125	38	2.01
mmu-miR-26b	3073	112	4.31	mmu-miR-26b	2970	99	5.51
mmu-miR-30c	3010	96	3.78	mmu-miR-30c	2705	92	5.62
mmu-let-7b	2889	81	3.32	mmu-let-7b	3068	112	6.04
mmu-miR-16	2725	157	6.82	mmu-miR-16	2628	146	9.18
mmu-miR-429	2507	41	1.94	mmu-miR-429	2768	3	0.18
mmu-miR-130a	2232	166	8.80	mmu-miR-130a	1397	24	2.84
mmu-miR-30d	2220	117	6.24	mmu-miR-30d	1979	139	11.61
mmu-miR-18a	1691	71	4.97	mmu-miR-18a	1271	21	2.73
mmu-miR-301a	1504	108	8.50	mmu-miR-301a	1077	25	3.84
mmu-let-7e	1453	40	3.26	mmu-let-7e	815	19	3.85
mmu-miR-99a	1423	40	3.33	mmu-miR-99a	1377	35	4.20
mmu-miR-183	1372	26	2.24	mmu-miR-183	943	24	4.21
mmu-miR-221	1353	36	3.15	mmu-miR-221	1181	32	4.48
mmu-miR-708	1338	46	4.07	mmu-miR-708	1048	39	6.15
mmu-miR-30a	1331	56	4.98	mmu-miR-30a	1613	60	6.15
mmu-miR-19a	1324	57	5.10	mmu-miR-19a	1094	23	3.48
mmu-miR-34a	1323	15	1.34	mmu-miR-34a	1679	22	2.17
mmu-miR-30b	1307	54	4.89	mmu-miR-30b	1094	56	8.46
mmu-miR-210	1046	31	3.51	mmu-miR-210	620	2	0.53
mmu-miR-191	990	50	5.98	mmu-miR-191	1301	45	5.72
mmu-miR-25	969	38	4.64	mmu-miR-25	908	31	5.64
mmu-miR-101b	955	46	5.70	mmu-miR-101b	742	27	6.01
mmu-miR-182	925	14	1.79	mmu-miR-182	721	5	1.15
mmu-miR-96	901	20	2.63	mmu-miR-96	783	7	1.48
mmu-miR-181a	875	81	10.96	mmu-miR-181a	810	55	11.22
mmu-miR-10a	779	19	2.89	mmu-miR-10a	549	10	3.01
mmu-miR-320	777	516	78.61	mmu-miR-320	834	11	2.18

mmu-miR-125a-5p	773	22	3.37	mmu-miR-125a-5p	619	10	2.67
mmu-miR-15a	744	70	11.14	mmu-miR-15a	781	42	8.89
mmu-miR-98	661	20	3.58	mmu-miR-98	584	14	3.96
mmu-miR-744	610	17	3.30	mmu-miR-744	842	15	2.94
mmu-miR-15b	545	20	4.34	mmu-miR-15b	563	33	9.69
mmu-miR-107	534	13	2.96	mmu-miR-107	567	9	2.62
mmu-miR-22	498	27	6.42	mmu-miR-22	1010	35	5.73
mmu-miR-484	476	353	87.78	mmu-miR-484	441	7	2.62
mmu-miR-378	456	25	6.49	mmu-miR-378	410	11	4.43
mmu-miR-33	437	20	5.42	mmu-miR-33	394	8	3.36
mmu-miR-181d	396	8	2.39	mmu-miR-181d	338	5	2.45

Note: The numbers are reads mapped to each microRNA.

The remaining ratio was normalized with reads from other small RNAs in each pair of libraries.