

Supplementary Table 1. Statistics of data resources. The numbers of annotated transcripts from 105 species are tabulated.

Species	# pre-miRNA	# rRNA	# tRNA	# mRNA	# ncRNA
<i>Acyrtosiphon pisum</i>	117	34	0	17,674	930
<i>Aedes aegypti</i>	101	11	0	16,785	0
<i>Amphimedon queenslandica</i>	8	3	0	9,814	94
<i>Anolis carolinensis</i>	282	2	0	16,533	236
<i>Anopheles gambiae</i>	67	6	422	0	0
<i>Apis mellifera</i>	218	72	0	10,607	1,245
<i>Artibeus jamaicensis</i>	19	0	0	0	0
<i>Ascaris suum</i>	97	8	0	0	0
<i>Ateles geoffroyi</i>	60	0	0	0	0
<i>Bombyx mori</i>	489	10	0	15,121	620
<i>Bos taurus</i>	798	3	4,161	32,210	2,371
<i>Branchiostoma belcheri</i>	118	0	0	0	0
<i>Branchiostoma floridae</i>	156	9	0	28,623	0
<i>Brugia malayi</i>	134	9	0	11,460	0
<i>Caenorhabditis brenneri</i>	214	6	1,096	0	0
<i>Caenorhabditis briggsae</i>	177	4	958	19,404	0
<i>Caenorhabditis elegans</i>	223	7	820	26,066	23,837
<i>Caenorhabditis remanei</i>	156	5	971	31,476	0
<i>Canis familiaris</i>	324	0	906	0	0
<i>Capitella teleta</i>	124	4	0	0	0
<i>Cerebratulus lacteus</i>	2	3	0	0	0
<i>Ciona intestinalis</i>	348	5	0	14,181	625
<i>Ciona savignyi</i>	27	10	0	0	0
<i>Cricetulus griseus</i>	200	0	0	21,607	438
<i>Culex quinquefasciatus</i>	74	20	0	18,883	0
<i>Cyprinus carpio</i>	134	3	0	0	0
<i>Danio rerio</i>	346	17	12,292	27,226	1,054
<i>Daphnia pulex</i>	44	8	0	0	0
<i>Drosophila ananassae</i>	76	2	0	15,070	519
<i>Drosophila erecta</i>	81	8	0	15,048	568
<i>Drosophila grimshawi</i>	82	0	0	14,986	430

<i>Drosophila melanogaster</i>	238	18	304	27,749	1,616
<i>Drosophila mojavensis</i>	71	3	0	14,595	396
<i>Drosophila persimilis</i>	75	17	0	16,878	474
<i>Drosophila pseudoobscura</i>	210	3	0	0	0
<i>Drosophila sechellia</i>	78	38	0	16,471	579
<i>Drosophila simulans</i>	136	3	0	15,415	498
<i>Drosophila virilis</i>	74	10	0	14,491	654
<i>Drosophila willistoni</i>	77	30	0	15,513	496
<i>Drosophila yakuba</i>	80	11	0	16,082	521
<i>Echinococcus granulosus</i>	23	2	0	0	0
<i>Echinococcus multilocularis</i>	22	0	0	0	0
<i>Equus caballus</i>	341	3	503	20,675	700
<i>Fugu rubripes</i>	129	0	0	0	0
<i>Gallus gallus</i>	734	2	242	32,181	4,853
<i>Glottidia pyramidata</i>	1	3	0	0	0
<i>Gorilla gorilla</i>	322	5	0	70	0
<i>Haemonchus contortus</i>	187	1	0	0	0
<i>Haliotis rufescens</i>	5	0	0	0	0
<i>Heliconius melpomene</i>	92	6	0	0	0
<i>Hippoglossus hippoglossus</i>	40	0	0	0	0
<i>Homo sapiens</i>	1,872	29	631	37,246	11,679
<i>Hydra magnipapillata</i>	17	17	0	16,989	364
<i>Ictalurus punctatus</i>	281	6	0	1,288	0
<i>Ixodes scapularis</i>	49	6	0	20,467	0
<i>Lagothrix lagotricha</i>	48	0	0	0	0
<i>Lemur catta</i>	16	0	0	0	0
<i>Leucosolenia complicata</i>	1	0	0	0	0
<i>Locusta migratoria</i>	7	0	0	0	0
<i>Lottia gigantea</i>	60	1	0	0	0
<i>Macaca mulatta</i>	615	3	379	27,091	3,053
<i>Macaca nemestrina</i>	74	0	0	0	0
<i>Macropus eugenii</i>	3	3	0	0	0
<i>Manduca sexta</i>	94	0	0	0	0
<i>Marsupenaeus japonicus</i>	6	0	0	0	0

<i>Monodelphis domestica</i>	460	3	0	19,073	438
<i>Mus musculus</i>	1,186	6	433	29,707	6,060
<i>Nasonia giraulti</i>	32	2	0	0	0
<i>Nasonia longicornis</i>	28	0	0	0	0
<i>Nasonia vitripennis</i>	53	8	0	12,927	272
<i>Nematostella vectensis</i>	49	44	0	24,780	0
<i>Oikopleura dioica</i>	66	7	0	243	0
<i>Ornithorhynchus anatinus</i>	396	5	0	17,183	469
<i>Oryzias latipes</i>	168	3	0	22,084	391
<i>Ovis aries</i>	105	0	0	22,733	251
<i>Pan paniscus</i>	88	3	0	29,610	3,344
<i>Pan troglodytes</i>	656	8	463	35,265	4,114
<i>Panagrellus redivivus</i>	199	4	0	0	0
<i>Paralichthys olivaceus</i>	20	0	0	0	0
<i>Petromyzon marinus</i>	244	9	0	0	0
<i>Pongo pygmaeus</i>	634	0	471	0	0
<i>Pristionchus pacificus</i>	124	5	0	0	0
<i>Pygathrix bieti</i>	11	0	0	0	0
<i>Rattus norvegicus</i>	449	8	444	29,665	2,329
<i>Rhipicephalus microplus</i>	24	2	0	0	0
<i>Saccoglossus kowalevskii</i>	91	4	0	12,571	283
<i>Saguinus labiatus</i>	42	0	0	0	0
<i>Sarcophilus harrisii</i>	66	1	0	20,505	904
<i>Schistosoma japonicum</i>	55	29	0	0	0
<i>Schistosoma mansoni</i>	20	13	0	12,845	0
<i>Schmidtea mediterranea</i>	148	14	0	0	0
<i>Strigamia maritima</i>	3	3	0	0	0
<i>Strongylocentrotus purpuratus</i>	61	1	1,068	22,722	361
<i>Sus scrofa</i>	280	2	0	24,555	1,338
<i>Sycon ciliatum</i>	1	1	0	0	0
<i>Symphalangus syndactylus</i>	11	0	0	0	0
<i>Taeniopygia guttata</i>	246	1	0	15,568	491
<i>Terebratulina retusa</i>	1	3	0	0	0
<i>Tetranychus urticae</i>	52	15	0	0	0

<i>Tetraodon nigroviridis</i>	132	9	0	0	0
<i>Tribolium castaneum</i>	220	2	0	9,916	291
<i>Xenopus laevis</i>	22	0	0	11,034	18
<i>Xenopus tropicalis</i>	189	0	0	0	0
<i>Xenoturbella bocki</i>	8	1	0	0	0