

## Electronic Supplementary Material

## Comparative metagenomic profiling of viromes associated with four common mos

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Feature	Anopheles sinensis	Armigeres subalbatus	Culex quinquefasciatus
<b>Anelloviridae</b>	1919511	7018	5002
<b>Circoviridae</b>	682	7189	299
<b>Genomoviridae</b>	10464	1681	27960
<b>Iridoviridae</b>	3094	2	31
<b>Mesoniviridae</b>	78	2193	51
<b>Microviridae</b>	89	16251	12
<b>Myoviridae</b>	9540	1102	109
<b>Parvoviridae</b>	1420246	19023	209037
<b>Phenuiviridae</b>	90	1534	10
<b>Podoviridae</b>	620	2685	1747
<b>Poxviridae</b>	1259	32	10
<b>Reoviridae</b>	20014	117	3664
<b>Rhabdoviridae</b>	981	5119	1354291
<b>Siphoviridae</b>	162	30190	77
<b>Totiviridae</b>	2532	6	0
<b>unclassified</b>	44798	2128329	4123293
<b>Peribunyaviridae</b>	670	26	0
<b>Iflaviridae</b>	1	333	30
<b>Inoviridae</b>	158	12	3
<b>Tymoviridae</b>	0	2	224
<b>Flaviviridae</b>	175	294	200
<b>Phycodnaviridae</b>	81	59	594
<b>Geminiviridae</b>	0	78	5
<b>Ascoviridae</b>	1	13	136
<b>Polydnaviridae</b>	0	31	128
<b>Mimiviridae</b>	50	27	326
<b>Marseilleviridae</b>	1	41	138

mosquito species in China

<b>Culex tritaeniorhynchus</b>	<b>p.value</b>	<b>bonferroni.p</b>	<b>fdr.p</b>
183	0	0	0
209	0	0	0
12408	0	0	0
76	0	0	0
4216	0	0	0
269	0	0	0
21	0	0	0
3521	0	0	0
0	0	0	0
14	0	0	0
211	0	0	0
27	0	0	0
977531	0	0	0
309	0	0	0
4	0	0	0
5387314	0	0	0
5	9.31E-269	2.51E-267	1.48E-268
0	4.57E-210	1.23E-208	6.86E-210
1	5.07E-65	1.37E-63	7.20E-65
0	2.83E-56	7.64E-55	3.82E-56
235	3.97E-55	1.07E-53	5.10E-55
709	4.38E-48	1.18E-46	5.38E-48
112	6.10E-41	1.65E-39	7.16E-41
0	7.44E-35	2.01E-33	8.37E-35
4	2.76E-30	7.46E-29	2.98E-30
258	3.28E-22	8.87E-21	3.41E-22
36	3.38E-19	9.11E-18	3.38E-19