

Supplementary table 1. Descriptive statistics for Fig.1B

	MCMV	MHV-68	double	Flu	Mock
Number of values	16	15	10	14	17
Median (-log₂x40)	6	6	4.5	7	7
Mean	5.438	5.667	4.3	6.429	7.118
Std. Deviation	1.672	2.059	2.003	2.344	1.799
Std. Error of Mean	0.418	0.5315	0.6333	0.6265	0.4362
Mean ranks	30.31	33.77	20.3	41.75	49.94
p value	0.0254	0.1081	0.0013	> 0.9999	-

Supplementary table 2. Descriptive statistics for Fig.1D

	MCMV	MHV-68	Double	Flu	Mock
Number of values	10	10	10	9	10
Median (-log₂x40)	5	6	7	6	7
Mean	5.4	5.5	5.6	6.222	6.9
Std. Deviation	1.713	2.55	3.34	1.302	1.197
Std. Error of Mean	0.5416	0.8062	1.056	0.4339	0.3786
Mean ranks	19.8	22.8	25.7	25.39	31.35
p value	0.2659	0.6971	> 0.9999	> 0.9999	-

Supplementary table 3. Descriptive statistics for Fig.3B

Virus	MCMV	HSV-1	MHV-68	Triple	VACV	Mock
Number of samples	13	4	11	9	11	8
Median (-log₂x40)	9	9.5	10	9	9	10
Mean	8.769	9.25	9.545	9.222	9.636	10.13
Std. Deviation	1.481	0.9574	1.036	0.9718	0.809	0.6409
Std. Error of Mean	0.4107	0.4787	0.3123	0.3239	0.2439	0.2266
Mean ranks	22	25.75	30.09	24.33	30.64	40
p value	0.0492	0.6682	0.8463	0.1886	0.9698	-