

Table S1. Statistics describing the variation in MOI for each experimental evolution lineage. Median values \pm IQR are shown. Last column shows the fold difference between high and low MOIs (averaging lineages).

Virus	Cells	Lineage	Low MOI	High MOI	Log ₂ -fold
HCoV-OC43	BHK-21	1	$3.74 \times 10^{-4} \pm 2.50 \times 10^{-2}$	21.25 ± 82.13	16.0
		2	$7.13 \times 10^{-4} \pm 2.50 \times 10^{-2}$	31.25 ± 208.50	
		3	$1.50 \times 10^{-4} \pm 1.56 \times 10^{-2}$	25.00 ± 145.75	
	HTC-8	1	$5.81 \times 10^{-5} \pm 2.50 \times 10^{-3}$	0.88 ± 4.76	12.6
		2	$1.21 \times 10^{-4} \pm 3.37 \times 10^{-3}$	0.63 ± 2.22	
		3	$3.00 \times 10^{-3} \pm 2.96 \times 10^{-3}$	0.75 ± 5.07	
MHV	CCL-9.1	1	$2.65 \times 10^{-6} \pm 8.26 \times 10^{-6}$	$6.96 \times 10^{-3} \pm 0.28$	12.0
		2	$2.59 \times 10^{-6} \pm 1.79 \times 10^{-5}$	$1.06 \times 10^{-2} \pm 9.02 \times 10^{-2}$	
		3	$8.69 \times 10^{-6} \pm 1.10 \times 10^{-4}$	$1.09 \times 10^{-2} \pm 6.62 \times 10^{-2}$	