

Supplementary Table 1. MICs and number of derived mutations compared to ancestral reference sequences for single colony picks of evolved lineages

Species	Strain	Selective agent	MIC of derived strains after selection
<i>N. canis</i>	AR0948.C1	Azi	0.38
<i>N. canis</i>	AR0948.C2	Azi	0.38
<i>N. canis</i>	AR0948.C3	Azi	0.38
<i>N. canis</i>	AR0948A.1	Azi	16
<i>N. canis</i>	AR0948B.1	Azi	48
<i>N. canis</i>	AR0948C.1	Azi	48
<i>N. canis</i>	AR0948D.1	Azi	32
<i>N. canis</i>	AR0948.C1	Pen	0.25
<i>N. canis</i>	AR0948.C2	Pen	0.25
<i>N. canis</i>	AR0948.C3	Pen	0.25
<i>N. canis</i>	G4.S1.1	Pen	3
<i>N. canis</i>	G4.S2.1	Pen	†
<i>N. canis</i>	G4.S3.2	Pen	2
<i>N. canis</i>	G4.S4.1	Pen	†
<i>N. cinerea</i>	AR0944.C1	Azi	8
<i>N. cinerea</i>	AR0944.C2	Azi	6
<i>N. cinerea</i>	AR0944.C3	Azi	8
<i>N. cinerea</i>	G2.S1.1	Azi	†
<i>N. cinerea</i>	G2.S2.1	Azi	256
<i>N. cinerea</i>	G2.S3.1	Azi	†
<i>N. cinerea</i>	G2.S4.1	Azi	256
<i>N. cinerea</i>	AR0944.C1	Pen	0.38
<i>N. cinerea</i>	AR0944.C2	Pen	0.38
<i>N. cinerea</i>	AR0944.C3	Pen	0.38
<i>N. cinerea</i>	AR0944A.1	Pen	12
<i>N. cinerea</i>	AR0944B.1	Pen	4
<i>N. cinerea</i>	AR0944C.1	Pen	2
<i>N. cinerea</i>	AR0944D.1	Pen	6
<i>N. elongata</i>	AR0945.C1	Azi	0.5
<i>N. elongata</i>	AR0945.C2	Azi	0.75
<i>N. elongata</i>	AR0945.C3	Azi	0.5
<i>N. elongata</i>	AR0945A.1	Azi	†
<i>N. elongata</i>	AR0945B.1	Azi	1
<i>N. elongata</i>	AR0945C.1	Azi	0.5
<i>N. elongata</i>	AR0945D.1	Azi	0.25
<i>N. elongata</i>	AR0945.C1	Pen	0.25
<i>N. elongata</i>	AR0945.C2	Pen	0.25
<i>N. elongata</i>	AR0945.C3	Pen	0.25
<i>N. elongata</i>	G5.S1.1	Pen	1
<i>N. elongata</i>	G5.S2.1	Pen	†
<i>N. elongata</i>	G5.S3.1	Pen	2
<i>N. elongata</i>	G5.S4.1	Pen	12
<i>N. subflava</i>	G1.S1.1	Azi	256
<i>N. subflava</i>	G1.S2.1	Azi	256
<i>N. subflava</i>	G1.S3.1	Azi	96
<i>N. subflava</i>	G1.S4.1	Azi	96
<i>N. subflava</i>	G3.S1.1	Pen	4
<i>N. subflava</i>	G3.S2.1	Pen	6
<i>N. subflava</i>	G3.S3.1	Pen	4
<i>N. subflava</i>	G3.S4.1	Pen	0.75
<i>N.subflava</i>	AR0953.C1	Azi	2
<i>N.subflava</i>	AR0953.C2	Azi	1
<i>N.subflava</i>	AR0953.C3	Azi	1
<i>N.subflava</i>	AR0957.C1	Azi	8
<i>N.subflava</i>	AR0957.C2	Azi	8
<i>N.subflava</i>	AR0957.C3	Azi	8
<i>N.subflava</i>	AR0953.C1	Pen	1
<i>N.subflava</i>	AR0953.C2	Pen	1.5
<i>N.subflava</i>	AR0953.C3	Pen	1.5
<i>N.subflava</i>	AR0957.C1	Pen	1
<i>N.subflava</i>	AR0957.C2	Pen	1
<i>N.subflava</i>	AR0957.C3	Pen	1

† Stocks of single colony picks did not grow after the initial patch plate