

Supporting information

Table S5: Maximum likelihood estimation (MLE) of the mean length of DNA imports left and right from the Rif resistance mediating mutation. Cells color-coded (See Table S4)

Recipient	Donor	Num clones ¹	MLE (bp)	Bayes Factor ²
26695	J99-R3	95	1681	
	N6-R1	26	2434	0.29
J99	26695-R1	32	1294	0.19
N6	26695-R1	25	3819	28.21
	J99-R3	80	3853	4.43×10 ⁺⁰⁴
26695comB10	J99-R3	0	-	-
26695comB10 EP	J99-R3	25	2228	0.15
26695magIII	J99-R3	51	1729	0.06
26695mfd	J99-R3	29	1939	0.08
26695mutS	J99-R3	53	1639	0.06
26695mutY	J99-R3	43	3268	38.88
26695mutY comp	J99-R3	40	1882	0.08
26695nth	J99-R3	53	1919	0.08
26695nucT	J99-R3	29	2926	2.19
26695recA	J99-R3	0	-	-
26695recB	J99-R3	51	2621	2.00
26695recG	J99-R3	63	1912	0.08
26695recJ	J99-R3	61	1989	0.11
26695recJxseA	J99-R3	55	2348	0.50
26695recN	J99-R3	59	2255	0.33
26695recR	J99-R3	69	2026	0.12
26695ruvA	J99-R3	41	2564	0.92
26695ruvB	J99-R3	1	-	-
26695ruvC	J99-R3	41	1691	0.06
26695ung	J99-R3	56	2390	0.60
26695xseA	J99-R3	59	1938	0.09
26695xth	J99-R3	33	1696	0.06

¹ Num clones = number of clones with DNA imports in *rpoB*.² Approximated using the Bayesian Information Criterion (cf. Methods).