

Supplemental Table S1. Primers used in this study.

Pool name	strain and condition	PilRBS	TTTCCCCTTTCAATTAGGAG	SP3A	CCGGAACGGACACCCCG
20a	<i>recA6</i> 0 IPTG 22 hrs	bc1031pilRBS	GATGTCTGAGTGTGTGTTTTCCCCTTTCAATTAGGAG	bc1031OpaERev	GATGTCTGAGTGTGTGGGGTTCCGGGCGGTGTTTC
23a	<i>recA6</i> 1 mM IPTG 22 hrs	bc1034pilRBS	ATGTGTATATAGATATTTTTCCCCTTTCAATTAGGAG	bc1034OpaERev	ATGTGTATATAGATATGGGGTTCCGGGCGGTGTTTC
20b	<i>recA6</i> 1 mM IPTG 22 hrs	bc1036pilRBS	GAGACACGTCGCACACTTTCCCCTTTCAATTAGGAG	bc1036OpaERev	GAGACACGTCGCACACGGGGTTCCGGGCGGTGTTTC
1a	FA1090 grown for 22 hrs	bc1002pilRBS	ACACACAGACTGTGAGTTTTCCCCTTTCAATTAGGAG	bc1002OpaERev	ACACACAGACTGTGAGGGGTCCGGGCGGTGTTTC
1b	FA1090 grown for 22 hrs	bc1009pilRBS	ACACACGCGAGACAGATTTCCCCTTTCAATTAGGAG	bc1009OpaERev	ACACACGCGAGACAGAGGGTTCCGGGCGGTGTTTC
23b	FA1090 G4 mutant 22 hrs	bc1040pilRBS	TGTCATATGAGAGTGTGTTTTCCCCTTTCAATTAGGAG	bc1040OpaERev	TGTCATATGAGAGTGTGGGGTTCCGGGCGGTGTTTC
31b	FA1090 <i>garP</i> ₋₁₀ 22 hrs	bc1006pilRBS	CATATATATCAGCTGTTTTCCCCTTTCAATTAGGAG	bc1006OpaERev	CATATATATCAGCTGTGGGGTTCCGGGCGGTGTTTC
33a	FA1090 <i>garP</i> ₋₃₅ 22 hrs	bc1049pilRBS	ACACGTGTGCTCTCTTTCCCCTTTCAATTAGGAG	bc1049OpaERev	ACACGTGTGCTCTCTCGGGTTCCGGGCGGTGTTTC
33b	FA1090 <i>garP</i> ₋₃₅ 22 hrs	bc1020pilRBS	CACGACACGACGATGTTTTCCCCTTTCAATTAGGAG	bc1020OpaERev	CACGACACGACGATGTGGGGTTCCGGGCGGTGTTTC
3a	Macrophage <i>recA6</i> inoculum	bc1006pilRBS	CATATATATCAGCTGTTTTCCCCTTTCAATTAGGAG	bc1006OpaERev	CATATATATCAGCTGTGGGGTTCCGGGCGGTGTTTC
19a	Macrophage <i>recA6</i> -K 0 IPTG 12 hrs	bc1029pilRBS	TATATATGTCTATAGATTTCCCCTTTCAATTAGGAG	bc1029OpaERev	TATATATGTCTATAGAGGGTTCCGGGCGGTGTTTC
30a	Macrophage <i>recA6</i> -K +IPTG 12 hrs	bc1046pilRBS	GATATATCGAGTATATTTTTCCCCTTTCAATTAGGAG	bc1046OpaERev	GATATATCGAGTATATGGGGTTCCGGGCGGTGTTTC
31a	Macrophage <i>recA6</i> +K 0 IPTG 12 hrs	bc1047pilRBS	TGTCATGTGTACACACTTTCCCCTTTCAATTAGGAG	bc1047OpaERev	TGTCATGTGTACACACGGGGTTCCGGGCGGTGTTTC
32a	Macrophage <i>recA6</i> +K + IPTG 12 hrs	bc1048pilRBS	GTGTGCACTCACACTTTCCCCTTTCAATTAGGAG	bc1048OpaERev	GTGTGCACTCACACTCGGGTTCCGGGCGGTGTTTC
27b	Macrophage <i>recA6</i> inoculum	bc1048pilRBS	GTGTGCACTCACACTTTCCCCTTTCAATTAGGAG	bc1048OpaERev	GTGTGCACTCACACTCGGGTTCCGGGCGGTGTTTC
28b	Macrophage <i>recA6</i> -K 0 IPTG 12 hrs	bc1049pilRBS	ACACGTGTGCTCTCTTTCCCCTTTCAATTAGGAG	bc1049OpaERev	ACACGTGTGCTCTCTCGGGTTCCGGGCGGTGTTTC
29b	Macrophage <i>recA6</i> -K +IPTG 12 hrs	bc1002pilRBS	ACACACAGACTGTGAGTTTTCCCCTTTCAATTAGGAG	bc1002OpaERev	ACACACAGACTGTGAGGGGTCCGGGCGGTGTTTC
30b	Macrophage <i>recA6</i> +K 0 IPTG 12 hrs	bc1003pilRBS	ACACATCTCGTGAGAGTTTTCCCCTTTCAATTAGGAG	bc1003OpaERev	ACACATCTCGTGAGAGGGGTCCGGGCGGTGTTTC
32b	Macrophage <i>recA6</i> +K + IPTG 12 hrs	bc1007pilRBS	TCTGTATCTCTATGTGTTTTCCCCTTTCAATTAGGAG	bc1007OpaERev	TCTGTATCTCTATGTGGGGTTCCGGGCGGTGTTTC

Footnote: Primers with PacBio barcodes for each strain and condition are listed.