Strain	Characteristics	Average β-galactosidase activity (Miller units)	Standard deviation	Repression-fold	Fig.
MG1188	*ompT-lacZ, ΔomrAB::kan*	448.16	28.06		2A
MG1194	MG1188 *hfq::cm*	597.45	16.58		2A
MG1173	*ompT-lacZ,* wt	408.71	23.1		2B
MG1447	MG1173 *ΔrseA::kan*	344.32	25.02		2B
MG1461	MG1173 *ΔrseA::kan ΔmicA::tet*	403.58	9.83		2B
MG1188/pBRplac		432.94	48.89		2C
MG1188/pMicA		139.84	16.32	3.10	2C
MG1188/pMicAmut		459.20	14.87	0.94	2C
MG1188/pRybB		453.30	6.03	0.96	2C
MG1188/pOmrA		309.05	4.03	1.40	2C
MG1188/pBRplac		472.98	37.95		3A
MG1188/pMicA		142.19	17.96	3.33	3A
MG1188/pOmrA		324.47	19.91	1.46	3A
MG1423/pBRplac	MG1188 *phoP ::TnCm*	16.05	1.57		3B
MG1423/pMicA		13.71	1.83	1.17	3B
MG1423/pOmrA		11.56	0.66	1.39	3B
MG1430/vect	P_{BAD}-*phoP-lacZ, ΔmicA::cm*	1052.58	36.23		4B
MG1430/pMicA		290.26	14.99	3.63	4B
MG1430/pMicAmut		1301.28	82.77	0.81	4B
MG1430/pOmrA		1500.07	65.28	0.70	4B
MG1431/vect	P_{BAD}-*phoPmut-lacZ, ΔmicA::cm*	996.35	82.66		4B
MG1431/pMicA		887.80	84.81	1.12	4B
MG1431/pMicAmut		497.18	14.60	2.00	4B
MG1431/pOmrA		1402.86	148.90	0.71	4B
MG1425	P_{BAD}-*phoP-lacZ*	1257.75	159.71		4D
MG1459	P_{BAD}-*phoP-lacZ, ΔrseA::kan*	850.84	25.51		4D
MG1460	P_{BAD}-*phoP-lacZ, ΔrseA::kan, ΔmicA::tet*	1312.42	105.70		4D
MG1490/pHDB3	P_{BAD}-*phoP-lacZ, ΔompA::kan*	1448.26	172.77		4E
MG1490/pK4-55		1039.25	15.10		4E
MG1491/pHDB3	P_{BAD}-*phoP-lacZ, ΔompA::kan, ΔmicA::tet*	1214.4	54.22		4E
MG1491/pK4-55		1465.06	71.14		4E
MG1492/pHDB3	*rybB-lacZ, ΔompA::kan*	116.39	1.79		4E
MG1492/pK4-55		589.00	41.95		4E
MG1493/pHDB3	*rybB-lacZ, ΔompA::kan, ΔmicA::tet*	102.59	7.69		4E
MG1493/pK4-55		604.82	2.28		4E
KM112/pBRplac	*mgrR-lacZ*	13987.87	1083.30		5A
KM112/pMicA		4541.00	1233.99	3.08	5A
KM112/pMicAmut		15393.71	815.12	0.91	5A
KM112/pOmrA		14507.76	131.65	0.96	5A
KM194/pBRplac	*yneM-lacZ*	409.96	23.09		5B
KM194/pMicA		153.19	1.42	2.68	5B
KM194/pMicAmut		357.86	21.15	1.15	5B

KM194/pOmrA		488.33	40.40	0.84	5B
MG1484/pBRplac	P_{BAD}-*mgrR-lacZ*	1973.77	31.79		5C
MG1484/pMicA		2285.32	16.28	0.86	5C
MG1484/pMicAmut		2292.84	13.21	0.86	5C
MG1484/pOmrA		2253.93	154.39	0.88	5C
MG1173	*ompT-lacZ*, wt	408.26	18.14		6A
MG1196	MG1173 *hfq::cm*	562.63	37.88		6A
MG1451	MG1173 *ΔmicA::tet*	452.86	54.53		6A
MG1455	MG1173 *ΔmicA::tet hfq::cm*	637.03	58.19		6A
MG1188	MG1173 *ΔomrAB::kan*	445.19	46.19		6A
MG1194	MG1173 *ΔomrAB::kan hfq::cm*	545.71	41.18		6A
MG1449	MG1173 *ΔmicA::tet ΔomrAB::kan*	481.26	12.30		6A
MG1450	MG1173 *ΔmicA::tet ΔomrAB::kan hfq::cm*	612.11	55.54		6A
MG1425	P_{BAD}-*phoP-lacZ*, wt	1226.80	192.92		6B
MG1453	MG1425 *hfq::cm*	4647.16	180.95		6B
MG1452	MG1425 *ΔmicA::tet*	1331.49	237.50		6B
MG1458	MG1425 *ΔmicA::tet hfq::cm*	5301.18	225.59		6B
MG1446	*ompT-lacZ, phoP::kan*	15.26	0.47		6C
MG1454	MG1446 *hfq::cm*	19.84	0.46		6C
MG1456	MG1446 *ΔmicA::tet*	18.07	0.75		6C
MG1457	MG1446 *ΔmicA::tet hfq::cm*	20.58	2.17		6C
MG1465	MG1446 *ΔomrAB::tet*	18.42	2.23		6C
MG1466	MG1446 *ΔomrAB::tet hfq::cm*	27.2	2.27		6C

Table S1

Oligonucleotide	Sequence 5'-3'
ΔmicA ::cm for	ATTTTCTGAACTCTTTCTTCCCAGGCGAGTCTGAGTATATCCTGTGACGGAAGATCACTTCGC
ΔmicA ::cm rev	CGCCTGACAGAAAAGAAAAAGGCCACTCGTGAGTGGCCAATTATCACTTATTCAGGCGTAGCACC
ΔmicA :tet for	ATTTTCTGAACTCTTTCTTCCCAGGCGAGTCTGAGTATATTCCTAATTTTTGTTGACACTCTA
ΔmicA ::tet rev	CGCCTGACAGAAAAGAAAAAGGCCACTCGTGAGTGGCCAACTCTTGGGTTATCAAGAGGG
ΔomrAB ::tet for	GCGAAACGCTGTTGCGATTGACCGCTGGTGGCGTTTGGCTTCAGGTTGCTCCTAATTTTTGTTGACACTCTA
ΔomrAB ::tet rev	CGCGAGCGACAGTAAATTAGGTGCGAAAAAAAACCTGCGCATCCGCGCAGGTTCTCTTGGGTTATCAAGAGGG
ΔompA ::kan for	GATTTAACCGTGTTATCTCGTTGGAGATATTCATGGCGTATTTTAAAGCCACGTTGTGTCTCAA
ΔompA ::kan rev	CCCGCAGCAGCGGGGTTTTTCTACCAGACGAGAACTTAAGCCTTAGAAAAACTCATCGAGC
phoP-lacZ for	ACCTGACGCTTTTTATCGCAACTCTCTACTGTTTCTCCATACACTATTTTAATAATTAAGACAGGG
phoP-lacZ rev	TAACGCCAGGGTTTTCCCAGTCACGACGTTGTAAAACGACCGCATTGTCTTCAACAACCAG
phoPmut	CGCATTGTCTTCAACAACCAGTAGCGCCATTTTTATTTCTCCCTGTCTTAATTATTAAAA
5'P_{BAD}-mgrR	ACCTGACGCTTTTTATCGCAACTCTCTACTGTTTCTCCATGATTCGTTATTCACACAGG
3'mgrR-lacZ	TAACGCCAGGGTTTTCCCAGTCACGACGTTGTAAAACGACCATAGCTGTTTCCTGTGTGAATAACGAATC
AatII-MicA	CGATGACGTCGAAAGACGCGCATTTGTTATCATC
Hind-MicA	CGTACAAGCTTCACGCCTGACAGAAAAGAAAAAGGC
AatII-RybB	CGATGACGTCGCCACTGCTTTTCTTTGATGTCC
Eco-RybB	CGTACGAATTCGGTAGTAGATAAGTTTTAGATAAC
MicAmut for	CAAGATACTGACGTCGAAAGAGCGCCATTTGTTATCATCATCCCTG
MicAmut rev	CAGGGATGATGATAACAAATGGCGCTCTTTCGACGTCAGTATCTTG
MicA-probe	(Bio)-CCAAAATTTCATCTCTGAATTCAGGGATGATGATAACAAATG
OmrA-probe	(Bio)-CAGGTTGGTGCAAGAGACAGGGTACGAAGAGCGTACCG
RybB-probe	(Bio)-GCTCCACAAAATGGGGACATCAAAGAAAAGCAGTGGC
SsrA-probe	(Bio)- CGCCACTAACAAACTAGCCTGATTAAGTTTTAACGCTTCA

Table S2. Oligonucleotides used in this study