

Table S1. *attB* sites in *M. abscessus*

	Core sequence ¹	Int	attB	attB	ATCC1997 coordinates
MabA-1	GGGGCGGTAGCTCAGTTGGTTAGAGCCGTGGACTCATAATCC (e.g. GD11-1) CTGGTGCGCCGTCAGGGGCTCGAACCCCGGACCCGCTGATTAAGAGTC (GD43A-1)	Int-Y	attB-5	Mab_t5028; 5' half of tRNA-met	1754373 (tRNA-met)
MabA-2	GCGGACTTAAAATCCGCCAAGTGTCCGGTTCGAGTCCGACTGGGGGCAC	Int-Y	attB-18	Mab_t5022c; 3' end tRNA-Lys	1550157
MabA-3	GGGGCGGTAGCTCAGTTGGTTAGAGCCGTGGACTCATAATCC	Int-Y	attB-15	Mab_t5019; tRNA-Leu	1191297
MabB	GTAATGAATAGGTCAGGGGTTTCGATTCCCTGGGTGGCTC	Int-Y	attB-5	Mab_t5028; 5' half of tRNA-met	1754373 (tRNA-met)
MabC	TACTCGTGAGTAAGAACT (e.g. GD13-2) TACTTTCGAGTAAGGTA (e.g. GD33-1)	Int-Y	attB-2	Mab_t5010; 3' end tRNA-Thr	490925 (tRNA-thr)
MabD	CGAGAAGGTCAGGGGTTTCGATTCCCTTAGCTCCACCAA (GD17) C AGAGACAAAAATCCCAGG T CGTCTGACCT G GGATTATGGTGGAGCTAAGGGGACTCGAA CCCCTGACCCCAACA (GD12-2, GD05-1)	Int-Y	attB-13 attB-12 attB-3 attB-10	Extreme 5' end of Mab_3947 Extreme 5' end of Mab_3824 Mab_t5017; 3' end tRNA-ala Mab_t5041; 3' tRNA-ala	3995698 3869544 1102715 3491796
MabE-1	AGCATCCGACTGTTAATCGGACGGTTATTGGTTCGAGTCCAATCGGGGAGC (GD04-1)	Int-Y	attB-4	Mab_t5027 (tRNA-asn)	1739368
MabE-2	CCCAGAGGTCGCAGGTTCAAATCCTGTCCCGCTACTAGGT	Int-Y	attB-16	Mab_t5042; tRNA-met	3537993
MabF	ATCGAGAAGGTCAGGGGTTTCGATTCCCTTAGCTCCAC (GD08-3)		attB-3	Mab_t5017; 3' end tRNA-ala	1102713 (tRNA-ala)
MabG	CGGGTTCGAATCCCGGCAGCTCCAC	Int-Y	attB-11	Intergenic: 3471-3472 (550 bp)	3513406 (ATCC)
MabH	ATT	Int-Y	attB-8	Extreme 3' end of Mab_2979	3039287
MabI	GACTA (GD54-2) GGGCT (GD86-1)	Int-S	attB-9 attB-17	In Mab_3230c In Mab_3265c	3265145 3302860
MabJ	AAGTCGTA	Int-S	attB-7	In 5' end of Mab_2445	2502029
MabK ²	CAGAAGGTTAGGGTTCGAATCCCTTCGGGCGCACCAT	Int-Y	attB-1	Mab_t5006; 3' end tRNA-arg	233517 (tRNA-arg)
MabL	AGGGGTTTCGAGTCCCCTTAGCTCCACCATA (GD88-1) AGGGGTTTCGAGTCCCCTTAGCTCCAC (Bolletii)	Int-Y	attB-10	Mab_t5041c; 3' end tRNA-ala	3491832 (tRNA-ala) 3491836 (tRNA-ala)
MabM	CGGGTTCGAATCCCGGCAGCTCCAC	Int-Y	attB-11	Intergenic Mab_3471-3472	3513406
MabN	TACTCGTGAGTAAGAACT	Int-Y	attB-13	Extreme 5' end of Mab_3947	3995689
MabO	TACTCTGGAGTAAG	Int-Y	attB-14	Inter Mab_4442c - 4443	4519114
MabP	CTGGGGTCAAGTGGTTCGAGGTTCAAATCCTGTCAGCCCGAC	Int-Y	attB-6	MAB_t5033; tRNA-pro	2431284
MabQ	CGGACGGT A TTGGTTCGAGTCCAATCGGGGAG	Int-Y	attB-4	Mab_t5027; 3' end tRNA-asn	1739385

¹The common core sequence shared between *attP*, *attB*, *attL* and *attR* is shown; mismatches are in bold type.

²The attB-1 core is present once in most strains, but twice in ATCC19977 due to insertion of a 16.5 kbp segment, containing some phage-related sequences.