

	Description ^a	Source of ref.
Plasmids		
pALACE	<i>E. coli</i> – <i>Mycobacteria</i> shuttle vector; Hyg ^R	(Du et al. 2014)
pNIT	<i>E. coli</i> – <i>Mycobacteria</i> shuttle vector; Kan ^R	(Pandey et al. 2009)
pJV53	Expression of Che9c gp61; Kan ^R	(Kessel and Hatfull 2008)
pAL-75	Providing hygromycin resistance cassette	(Kessel and Hatfull 2008)
pALACE-6762	Expression vector for <i>MSMEG_6762</i> ; Hyg ^R	This study
pALACE-5583	Expression vector for <i>MSMEG_5583</i> ; Hyg ^R	This study
pALACE-5876	Expression vector for <i>MSMEG_5876</i> ; Hyg ^R	This study
pALACE-3404	Expression vector for <i>MSMEG_3404</i> ; Hyg ^R	This study
pALACE-1275	Expression vector for <i>MSMEG_1275</i> ; Hyg ^R	This study
pALACE-2148	Expression vector for <i>MSMEG_2148</i> ; Hyg ^R	This study
<i>E. coli</i>		
DH5α	supE44 Δ lacU169(φ 80lacZΔ M15) <i>hsdR17recA1 endA1 gyrA96thi-1 relA1λ</i> pir	Invitrogen
<i>M. smegmatis</i>		
mc ² 155	Electrocompetent wild-type strain of <i>M. smegmatis</i>	(Snapper et al. 1990)
MS-VEC	mc ² 155 with pALACE plasmid	This study
MS-6762	mc ² 155 with pALACE- <i>MSMEG_6762</i> plasmid	This study
MS-5583	mc ² 155 with pALACE- <i>MSMEG_5583</i> plasmid	This study
MS-5876	mc ² 155 with pALACE- <i>MSMEG_5876</i> plasmid	This study
MS-3404	mc ² 155 with pALACE- <i>MSMEG_3404</i> plasmid	This study
MS-1275	mc ² 155 with pALACE- <i>MSMEG_1275</i> plasmid	This study
MS-2148	mc ² 155 with pALACE- <i>MSMEG_2148</i> plasmid	This study
Δ <i>MSMEG_1275</i>	Derivative mc ² 155 of carrying an unmarked deletion in <i>MSMEG_1275</i>	This study
Δ1275-6762	Δ <i>MSMEG_1275</i> strain with pALACE-6762 plasmid	This study
Δ1275-VEC	Δ <i>MSMEG_1275</i> strain with pALACE plasmid	This study

Table S1. Bacterial strains and plasmids in this study. a. The following abbreviations are used: Hyg^R, hygromycin B resistance; Kan^R, kanamycin resistance

Reference

- Du Q, Long Q, Mao J, Fu T, Duan X, Xie J (2014) Characterization of a novel mutation in the overlap of *tlyA* and *ppnK* involved in capreomycin resistance in *Mycobacterium*. IUBMB life 66(6):405-414
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- Pandey AK, Raman S, Proff R, Joshi S, Kang C-M, Rubin EJ, Husson RN, Sassetti CM (2009)

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Snapper SB, Melton RE, Mustafa S, Kieser T, Jacobs WR, Jr. (1990) Isolation and characterization of efficient plasmid transformation mutants of *Mycobacterium smegmatis*. *Mol Microbiol* 4(11):1911-9