Table 2. Plasmids and phages used in this study.

	Description	Reference/Source
Plasmids		
pCR®2.1-TOPO®	PCR product cloning vector	Invitrogen Life Technologies
pJSC347	Vector for cloning allelic exchange substrates to be used for specialized transduction. Contains λ phage *cos* site and Hyg^R marker	(1)
pYUB2417	Derivative of pJSC347 designed for allelic exchange of *M. tuberculosis kasB*.	This work
pMV261*kasA*	*M. tuberculosis kasA* cloned in pMV261, an *E. coli-mycobacteria* shuttle vector with the *hsp60* promoter	(2)
pMV261*kasB*	*M. tuberculosis kasB* cloned in pMV261, an *E. coli-mycobacteria* shuttle vector with the *hsp60* promoter	(2)
Phages		
phAE159	Conditionally replicating shuttle phasmid derived from the lytic mycobacteriophage TM4	(3)
phAE404	Derivative of phAE159 obtained by cloning pYUB2417 in its unique *Pac*I site	This work

(1) Sambandamurthy, V. K., Wang, X., Chen, B., Russell, R. G., Derrick, S., Collins, F. M., Morris, S. L. & Jacobs, W. R., Jr. (2002) *Nat Med* 8, 1171-1174.

(2) Kremer, L., Douglas, J. D., Baulard, A. R., Morehouse, C., Guy, M. R., Alland, D., Dover, L. G., Lakey, J. H., Jacobs, W. R., Jr., Brennan, P. J., Minnikin, D. E. & Besra, G. S. (2000) *J Biol Chem* 275, 16857-16864.

(3) Kriakov, J. & Jacobs Jr., W.R. (Albert Einstein College of Medicine, NY), unpublished results.