Table 3. Genes that interact positively with the *mce1* locus

Rv# designation	Systematic name	Wild-type background ratio (*in vivo/in vitro*)	*Δmce1* background ratio (*in vivo/in vitro*)	Functional category	Interacts with both *Δmce1* and *Δmce4*	Putative suppressor
Rv0173	lprK	0.118	4.259	Transport		Yes
Rv0218	Rv0218	0.386	1.422	Cell wall and cell processes		
Rv0427c	xthA	0.541	3.973	Information pathways		Yes
Rv0490	senX3	0.402	3.215	Regulatory proteins		Yes
Rv0655	mceG	0.077	0.478	Transport	Yes	
Rv1016c	lpqT	0.167	1.329	Cell wall and cell processes		
Rv1028c	kdpD	0.153	0.943	Regulatory proteins		
Rv1184c	Rv1184c	0.357	0.77	Cell wall and cell processes	Yes	
Rv1236	sugA	0.187	1.545	Transport		
Rv1304	atpB	0.282	0.895	Intermediary metabolism and respiration		
Rv1410c	Rv1410c	0.105	1.565	Transport		
Rv1422	Rv1422	0.476	1.412	Conserved hypotheticals	Yes	
Rv1460	Rv1460	0.342	4.221	Regulatory proteins	Yes	Yes
Rv1569	bioF	0.043	0.599	Intermediary metabolism and respiration	Yes	
Rv1821	secA2	0.453	2.945	Transport		Yes
Rv2038c	Rv2038c	0.429	1.627	Transport	Yes	
Rv2483c	Rv2483c	0.351	2.06	Lipid metabolism		Yes
Rv2692	trkB	0.477	1.319	Cell wall and cell processes		
Rv2734	Rv2734	0.253	2.247	Conserved hypotheticals		Yes
Rv2936	drrA	0.361	1.59	Lipid metabolism	Yes	
Rv3103c	Rv3103c	0.328	1.819	Conserved hypotheticals	Yes	
Rv3168	Rv3168	0.323	1.943	Conserved hypotheticals		
Rv3246c	mtrA	0.206	0.914	Regulatory proteins		
Rv3258c	Rv3258c	0.383	1.917	Conserved hypotheticals		
Rv3270	ctpC	0.602	1.436	Transport		
Rv3277	Rv3277	0.317	1.975	Cell wall and cell processes		
Rv3472	Rv3472	0.357	1.116	Conserved hypotheticals		
Rv3540c	ltp2	0.144	0.893	Lipid metabolism	Yes	
Rv3541c	Rv3541c	0.114	1.203	Lipid metabolism		
Rv3542c	Rv3542c	0.113	1.353	Lipid metabolism		
Rv3717	Rv3717	0.824	2.339	Conserved hypotheticals		Yes
Rv3794	embA	0.167	0.74	Cell wall and cell processes		
Rv3877	Rv3877	0.133	1.202	Cell wall and cell processes		
Rv3882c	Rv3882c	0.132	0.296	Cell wall and cell processes		
Rv3910	Rv3910	0.194	0.388	Cell wall and cell processes		