

Table 4. Genes that interact positively with the *mce4* locus

Rv# designation	Systematic name	Wild-type background ratio (<i>in vivo/in vitro</i>)	$\Delta mce4$ background ratio (<i>in vivo/in vitro</i>)	Functional category	Interacts with both $\Delta mce1$ and $\Delta mce4$	Putative suppressor
Rv0098	Rv0098	0.391	1.906	Conserved hypotheticals		
Rv0655	mceG	0.0449	0.194	Transport	Yes	
Rv0670	end	0.774	2.608	Information pathways		Yes
Rv1184c	Rv1184c	0.532	4.364	Cell wall and cell processes	Yes	Yes
Rv1185c	fadD21	0.759	3.534	Lipid metabolism		Yes
Rv1410c	Rv1410c	0.0381	0.358	Transport	Yes	
Rv1411c	lprG	0.0739	0.215	Transport		
Rv1422	Rv1422	0.207	1.069	Conserved hypotheticals	Yes	
Rv1460	Rv1460	0.772	17.56	Regulatory proteins	Yes	Yes
Rv1469	ctpD	0.633	1.536	Transport		
Rv1807	Rv1807	0.359	1.776	Conserved hypotheticals		
Rv1974	Rv1974	0.503	3.278	Cell wall and cell processes		Yes
Rv2004c	Rv2004c	0.84	3.472	Conserved hypotheticals		Yes
Rv2038c	Rv2038c	0.495	1.852	Transport	Yes	
Rv2936	drrA	0.25	1.081	Lipid metabolism	Yes	
Rv2938	drrC	0.28	0.754	Lipid metabolism		
Rv3103c	Rv3103c	0.449	0.921	Conserved hypotheticals	Yes	
Rv3178	Rv3178	0.794	2.331	Conserved hypotheticals		Yes
Rv3210c	Rv3210c	0.601	2.178	Conserved hypotheticals		Yes
Rv3371	Rv3371	0.258	1.055	Conserved hypotheticals		
Rv3375	amiD	0.418	2.147	Intermediary metabolism and respiration		Yes
Rv3400	Rv3400	0.269	0.839	Intermediary metabolism and respiration		
Rv3502c	Rv3502c	0.267	0.762	Intermediary metabolism and respiration		
Rv3540c	ltp2	0.113	0.421	Lipid metabolism	Yes	
Rv3544c	fadE28	0.054	0.461	Lipid metabolism		
Rv3551	Rv3551	0.251	0.891	Intermediary metabolism and respiration		
Rv3556c	fadA6	0.258	1.73	Lipid metabolism		
Rv3563	fadE32	0.128	0.85	Lipid metabolism		
Rv3631	Rv3631	0.368	3.723	Intermediary metabolism and respiration		Yes
Rv3723	Rv3723	0.089	0.353	Cell wall and cell processes		
Rv3855	Rv3855	0.486	1.657	Regulatory proteins		