

Figure 2

Transcription regulatory factors

Rv0491(RegX3), Rv0981(MprA), Rv1221(SigE),
Rv2034, Rv3133c(DevR), Rv3416(WhiB3)

Rv0445(SigK), Rv1990c, Rv2021c, Rv2034

Rv0260c, Rv0445(SigK), Rv0818, Rv1359,
Rv1931c, Rv3416(WhiB3), Rv3557c

Rv0117(OxyS), Rv2034c, Rv3416(WhiB3)

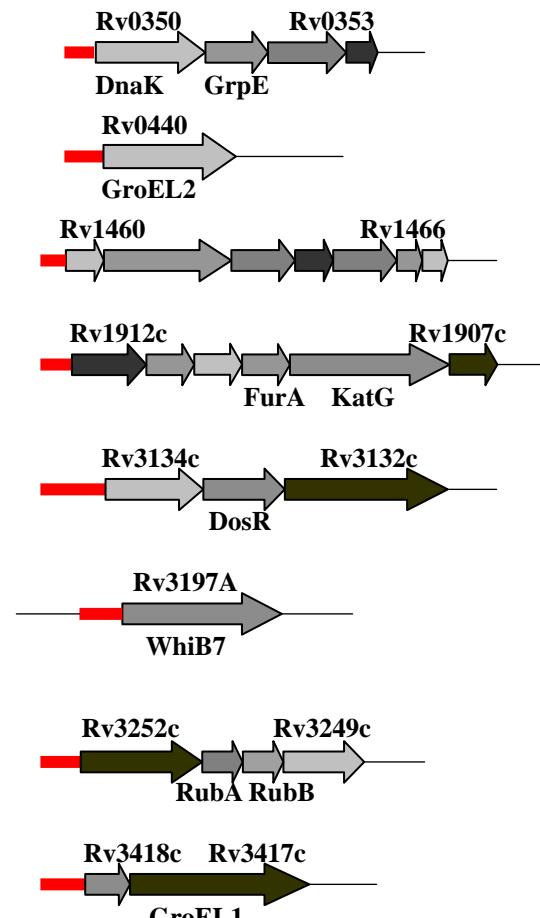
Rv0491(RegX3), Rv2017, Rv2669,
Rv3133c(DevR), Rv3692(MoxR2),
Rv3833

Rv0445(SigK), Rv0491(RegX3), Rv1956,
Rv2034, Rv3416(WhiB3)

Rv0491c(RegX3), Rv0818, Rv1359,
Rv1956, Rv3681(WhiB4)

Rv0491(RegX3), Rv0981(MprA), Rv2021c,
Rv2745c, Rv3414c(SigD), Rv3416(WhiB3),
Rv3678c

Target gene or gene cluster



Detection of novel transcription factors for the expression of stress response genes by one-hybrid system. The promoters of stress response genes were cloned in pBXcm-T and used to screen the *M. tuberculosis* sub-genome library according to the description given in *Materials and Methods*. The potential regulators which interact with the promoters were isolated from the library and listed on the left. Rv3416 (WhiB3) was underlined. The structures of stress response gene or gene cluster were listed on the right, respectively.