

## SUPPLEMENTARY MATERIAL

**Figure S1.** Multiple alignment of 29 proteins belonging to the same similarity cluster as Rv2714. Secondary structure elements of Rv2714 are shown at the top; aminoacid positions involved in monomer-monomer interactions upon trimer formation (with buried surface  $> 10 \text{ \AA}^2$ ) are indicated by an asterisk. Strictly invariant positions are shown in white on a red background, those with conservative substitutions are shown in red. Each gene sequence is identified by the Gene Object Identifier from the Integrated Microbial Genomes database (<http://img.jgi.doe.gov/cgi-bin/pub/main.cgi>) followed by the abbreviated species name (as described in the Figure 2 legend).



