



Additional file 14 – Molecular model of *Escherichia coli* core RNA polymerase (Opalka et al. 2010) (RCSB Protein Data Bank ref. 3LU0) showing the homologous RpoC residues found to be involved in putative RIF resistance compensation in *M. tuberculosis*. The different RNA polymerase subunits are shown: Alpha/RpoA (blue chain), Beta/RpoB (brown chain), Beta'/RpoC (green chain) and Omega/RpoZ (grey chain). The RpoC highlighted residues, in red, Gly367, Trp409 and Lys1251 are homologous to the RpoC residues Gly442, Trp484 and Lys1152 from *M. tuberculosis*, respectively.

REFERENCES

Opalka N, Brown J, Lane WJ, Twist KA, Landick R, Asturias FJ, Darst SA. 2010. Complete structural model of *Escherichia coli* RNA polymerase from a hybrid approach. *PLoS Biol* **8**(9).