**Supplementary Figure 1.** Superposed structure of complexes LdP-Lig1 (red), LdP-Lig2 (blue) and LdP-EWSI (green).



**Supplementary Figure 2.** Superposed structures of LdP-Lig1 and LdP-Lig2 before and after simulation.



**Supplementary Figure 3.** Interaction of different peptides with Mycobacterium OASS.

