



**S4 Fig. Bacterial adenylate cyclase two-hybrid assay (BACTH) experiments.** The interaction of fusion proteins was tested as  $\beta$ -galactosidase activity A [U/mg] in *E. coli* cultures grown for 24 h. The assay showed a significant increase of the  $\beta$ -galactosidase activity for all the plasmid combinations tested, when compared to the negative control. Proteins SCO2038 and SCO2179 were also tested for self-association ability.