

SUPPLEMENTARY MATERIAL



FIG. S1 pEEKABOO plasmid vector. Graphical view of the pEEKABOO (pET28a-Ag43passenger Δ AC) plasmid obtained from Leong et al. for Ag43 α protein expression. It was verified by whole plasmid sequencing and encodes an N-terminally 6xHis-tagged Ag43 passenger domain without the autochaperone domain within a pET28a vector backbone.

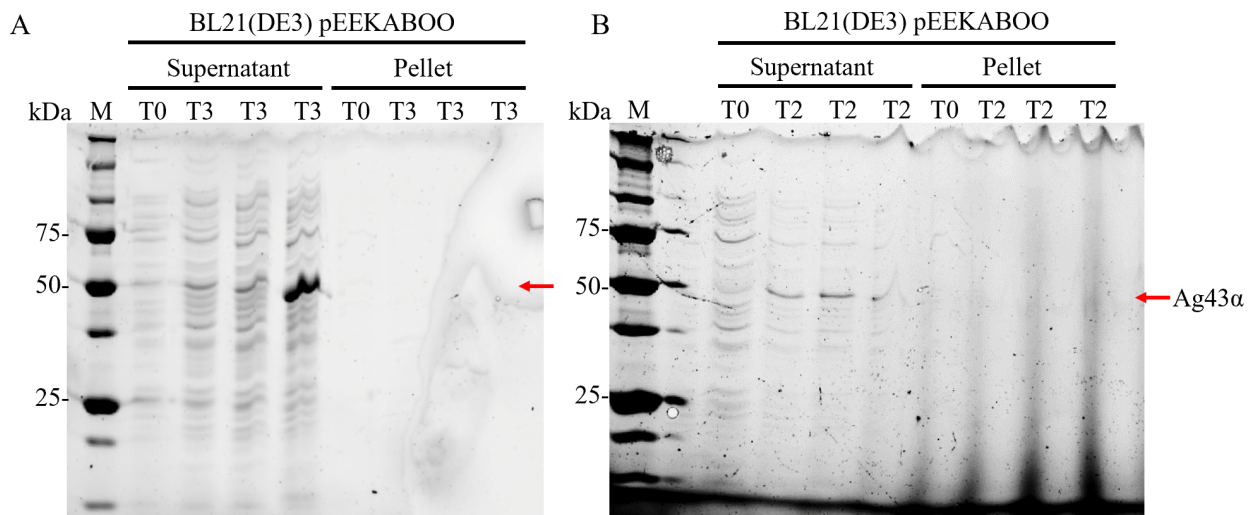


FIG. S2 SDS-PAGE analysis of the soluble and insoluble protein fractions. (A & B) SDS-PAGE gel images comparing the presence of Ag43 α inclusion bodies between the soluble supernatant and solubilized pellets from lysates of BL21(DE3) pEEKABOO cells induced by IPTG for 3 hr (A) and 2 hr (B).

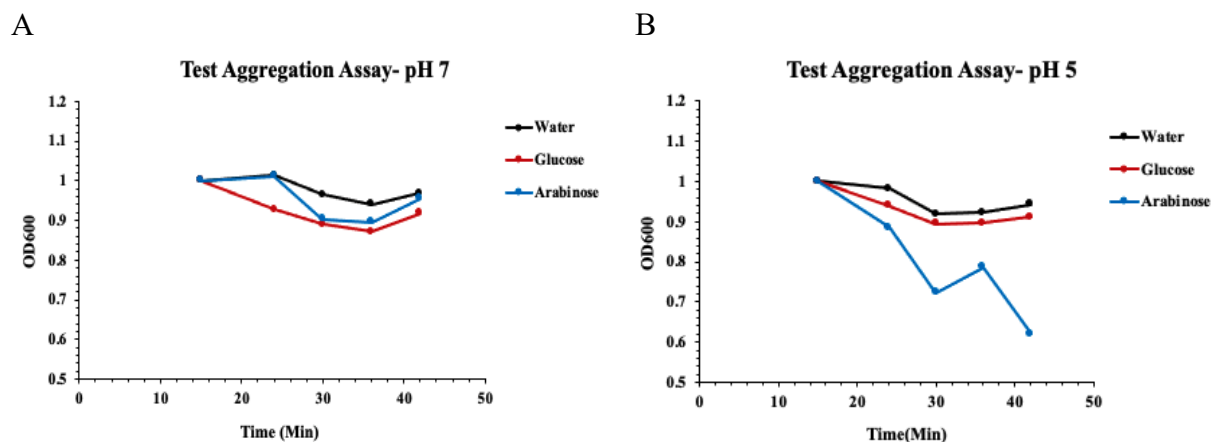


FIG. S3 Aggregation assay of DH5 α with pBAD-Ag43 in varying pH conditions. The aggregation patterns of DH5 α with pBAD-Ag43 in the presence of glucose and arabinose in phosphate-buffered saline (PBS) medium adjusted to (A) pH 7 and (B) pH 5.

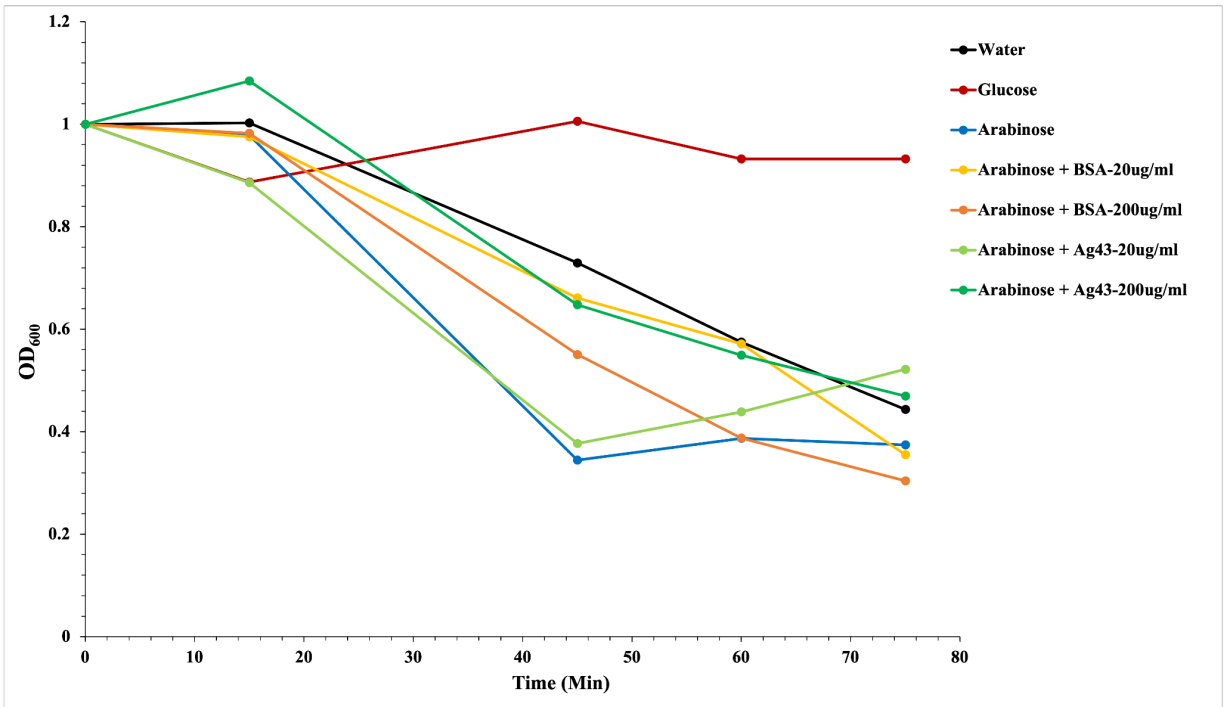


FIG. S4 Aggregation assay of DH5 α with pBAD-Ag43 in the presence of varying concentrations of BSA and Ag43 α proteins. The aggregation patterns of DH5 α with pBAD-Ag43 in the presence of 20 μ g/mL and 200 μ g/mL of BSA and Ag43 α .