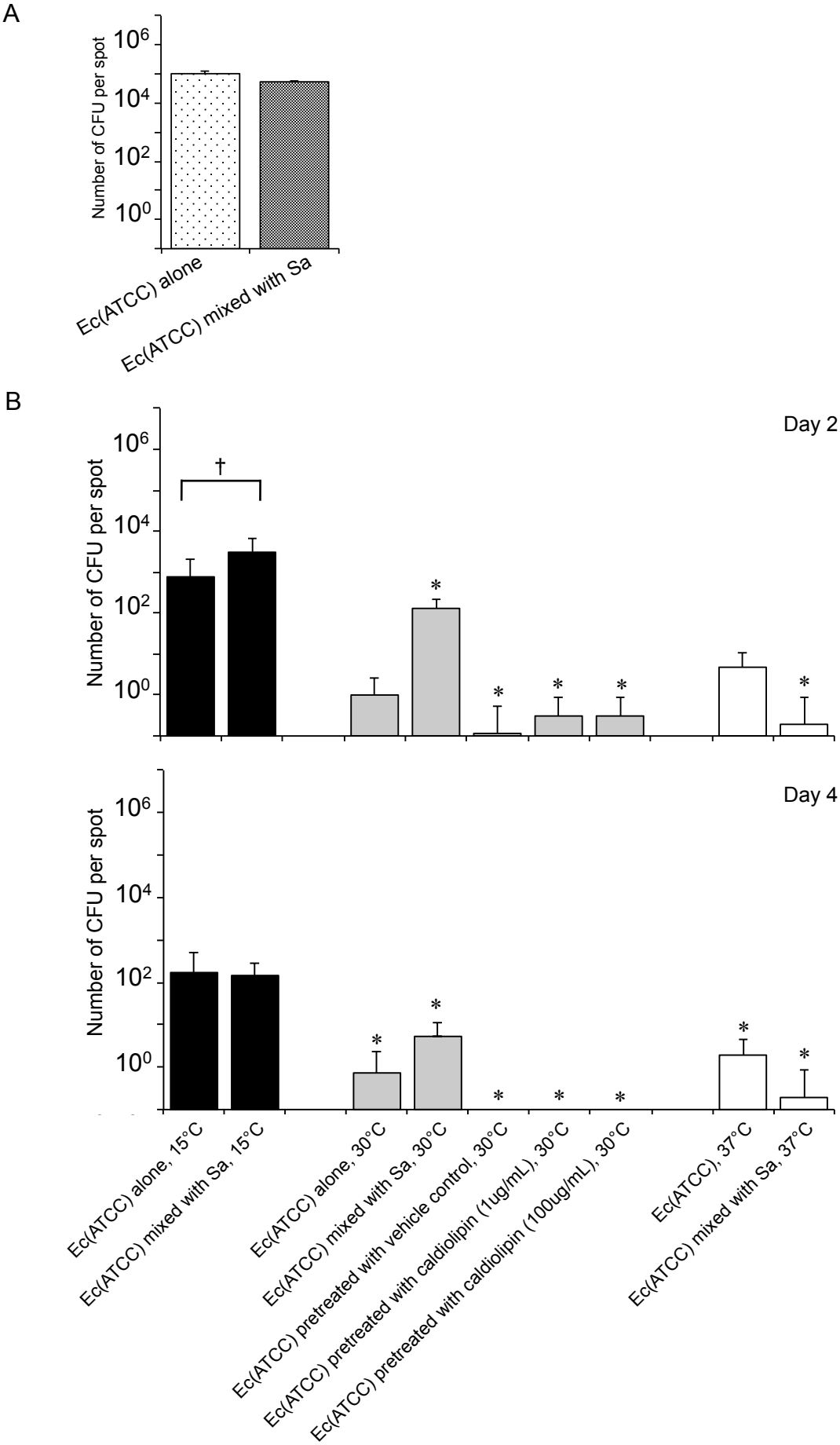Supporting information: S2 Fig