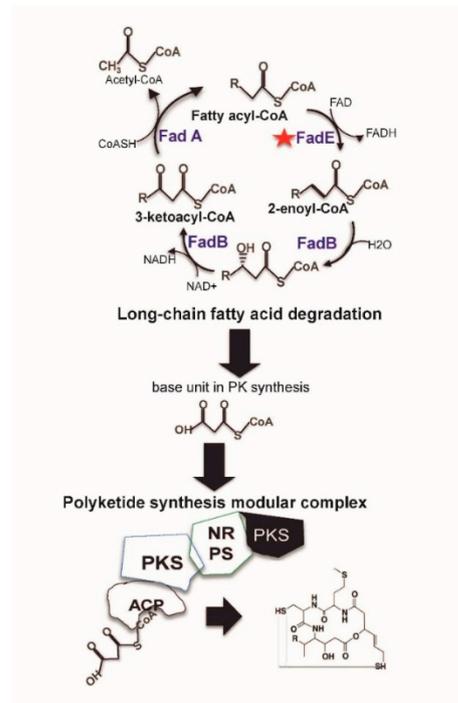


Supplementary materials



**Figure S1.** Schematic presentation showing long-chain fatty acids beta-oxidation pathway providing building block molecule to the PKS function. Malonyl-CoA, a product of the long-chain fatty acid degradation serves as a base unit in the polyketide (PK) synthesis [36]. The product of the PKS (BTH\_RS24270) function (burkholdac) has been first purified and categorized as inhibitor of mammalian histone deacetylase enzymes [28].