



Fig. S1. Tumour necrosis factor (TNF)- α mRNA expression level changes in the presence of the *P. acnes* 889 strain. (A) normal human adult keratinocytes (NHEK), (B) HPV-KER and (C) HaCaT cells were treated with *P. acnes* 889 strain (multiplicity of infection =100) and the mRNA expression levels were analysed by real-time PCR (RT-PCR). The TNF- α mRNA exhibited marked expression changes in response to the bacterial treatment in case of the NHEK and HPV-KER cells. No such changes were detected in the HaCaT cells using the same conditions.