

Figure S5. Average results of 50 simulations performed for the plasmid containing cells, employing different values of the α parameter which describes probability of the stochastic emergence of plasmid units defective in replication. The initial parameters are: uniform distribution described by Eq. 9 with (Panel A) N_0 =20 and (Panel B) N_0 =5 (δ =0). The 3-D plots show distribution of a single cell copy number in a bacterial population for the following parameters: N_0 =20 and α =0.5 (C) and α =1.5 (D).