**Edits:**   
line 2: added graphicx, subcaption, and placeins packages  
line 38: changed “Bryan Lynn” to “Bryan K. Lynn”  
line 61: changed “*Pseudomonas Aruginosa”* to *“Pseudomonas aruginosa”*line 211: removed x3 from cooperator only system, in expression for nutrient concentration   
line 214: removed k1t from equation (since t=0)  
line 223: changed x0 to s0 in h1(0)=h1((1-q1)s0)=0   
line 266: removed k1t from x1 equation, (since x­2=0, t=0)  
line 274: changed S0 to s0line 389: changed s to s0 (in interval)  
line 509: changed “his steady state” to “this steady state”  
line 568: added figures

**Considerations:**lines 55 and 61: “humans, monkeys, and eusocial insects” used as an example in both paragraphs 1 and 3 of Introduction: feels repetitive

line 81: ‘police’ in reference to a species in our model used here for the only time in the paper, otherwise referred to as ‘toxin producers’: possibly change to ‘toxin producers’ or introduce the toxin producers as ‘police’ while listing the species in line 79 or in the intro for clarity

lines 144+ and 204+: switching the order of cooperator persistence (sec. 4) and Tragedy (sec. 3) that occurs when cheaters are introduced: The Tragedy is clearer when first it can be seen that the cooperators persist on their own, then collapses at the introduction of cheaters.