

SENSITIVITY ANALYSIS

We studied which parameters have a major affect on the system. They are all degradation constants (which is difficult to be argued by biological reasons), likely because degradation constants are involved in not reversible reactions. In our case all sensitivity analysis is negative, which means that GFP output decrease during the time. Especially the two most influent parameters are the GFP protein and mRNA_{GFP} degradation constants, because they have a direct influence on the concentration of GFP protein.

