Table 1. Approximated parameters of individual chemical reactions within the riboregulated RNA toggle switch. Values represent rate constants for the reactions and are averaged in units of molecules/s for purposes of Gillespie stochastic modeling. Constants are calculated based on constants for *Escherichia coli* bacteria.

|  |  |  |
| --- | --- | --- |
| Reaction Constant | Chemical Equation | Parameter Value |
| katc | ADNA 🡪 ARNA |  |
| kbtc | BDNA 🡪 BRNA |  |
| ka,deg | ARNA 🡪 Ø |  |
| kb,deg | BRNA 🡪 Ø |  |
| ka,on | ADNA + BRNA 🡪 ARNA:BRNA |  |
| kb,on | BDNA + ARNA 🡪 ARNA:BRNA |  |
| ka,off | ARNA:BRNA 🡪 ADNA + BRNA |  |
| kb,off | ARNA:BRNA 🡪 BDNA + ARNA |  |
| kab,deg | ARNA:BRNA 🡪 Ø |  |

Place this table close to the scheme possibly underneath it