Table S1: Bistability boundary under different c9p/c3p copy-number conditions for the stochastic model with intrinsic noise.

The stochastic model of intrinsic apoptosis pathway subject to intrinsic noise is simulated at the following eight conditions of c9p/c3p molecular copy numbers. Listed are the resulting low and high thresholds of input Cytochrome C (CC), within which bistable responses of CEA exist.

| Number of c9p/c3p molecules | Low threshold | High threshold |
|---|---|---|
| [c9p, c3p]= [5x$10^3$, 10] | CC=13 | CC=780 |
| [c9p, c3p]= [5x$10^3$, $10^2$] | CC=12 | CC=730 |
| [c9p, c3p]= [5x$10^3$, $10^3$] | CC=11 | CC=70 |
| [c9p, c3p]= [5x$10^3$, $10^4$] | CC=10 | CC=50 |
| [c9p, c3p]= [$10^4$, 10] | CC=13 | CC=770 |
| [c9p, c3p]= [$10^4$, $10^2$] | CC=11 | CC=710 |
| [c9p, c3p]= [$10^4$, $10^3$] | CC=10 | CC=35 |
| [c9p, c3p]= [$10^4$, $10^4$] | CC=10 | CC=30 |