

**Table S2.** Parameters of the full model, Eqs. (1-9).

Parameter	Description
$k_\mu$	production rate (transcription + translation) of the monomer
$x_{\mu\nu}$	concentration of dimer that halves production rate
$n_\mu$	phenomenological Hill coefficients describing effective cooperativity
$c_\mu$	degradation rate of the monomer
$a_{\mu\nu}$	rate at which Her $\mu$ and Her $\nu$ monomers form dimers
$b_{\mu\nu}$	rate at which the dimer Her $\mu$ :Her $\nu$ breaks into monomers
$c_{\mu\nu}$	degradation rate of the dimer
$\tau_\mu$	production delay of the monomer