${\bf Table \ S5: \ Prior \ distributions \ of \ the \ parameters \ for \ the \ Lotka-Voltera \ model.}$

Parameter	Meaning	Prior interval	θ^*
c_1	Prey birth	$\left[\exp(-6.2)\exp(2)\right]$	1
c_2	Predator consumptin of Prey	$\left[\exp(-6.2)\exp(2)\right]$	0.005
c_3	Predator death	$\left[\exp(-6.2)\exp(2)\right]$	0.6

For the Lotka-Voltera model inference problem presented in this paper, each parameter was assigned an independent uniform log prior distribution in the interval listed in the table.