

TABLE 1 Parameter values of the model

Parameter	Value
D	$0.005 \mu\text{m}^2 \text{s}^{-1}$
ϑ, ϑ_0	$0.083 \mu\text{m} \text{s}^{-1}$
k_a	$0.42 \mu\text{m} \text{s}^{-1}$
k_d	$4.2 \mu\text{m} \text{s}^{-1}$
R	$5 \mu\text{m}$
R_d	$0.5 \mu\text{m}$
δ	$R/60 \mu\text{m}$
N_0	6000
ϵ	$0.01 \mu\text{m}$
σ'_v	1
σ''_v	10