

Bacillus included	Parameter	Likelihood ratio	p-value	$\sigma_{BM}$	$\sigma_{PL}$	$\lambda_{PL}$
True	$\log_{10}\lambda$	$-7.8 \times 10^{-13}$	0.70	7.49	7.49	1
True	$\bar{k}$	2.6	0.07	0.17	0.04	$3.5 \times 10^{-139}$
False	$\log_{10}\lambda$	6.6	0.01	5.63	1.17	$2.7 \times 10^{-209}$
False	$\bar{k}$	4.2	0.04	0.16	0.04	$1.3 \times 10^{-213}$