

Table I. Summary of model parameters for *A. oryzae* and *A. niger* apical compartment length distributions (model parameters fitted using least-squares estimation between measured and simulated distributions).

	<i>A. oryzae</i>				<i>A. niger</i>		
Specific growth rate ( $\text{h}^{-1}$ )	0.025	0.05	0.10	0.15	0.06	0.096	0.121
Glucose concentration (mg/L) <sup>a</sup>	1.0	2.0	3.8	7.0	1.2	3.8	4.1
Tip extension rate ( $\mu\text{m}/\text{h}$ ) <sup>b</sup>	10	17	32	60	20	32	38
Minimum length of apical compartment, $l_{\min}$ ( $\mu\text{m}$ ) <sup>c</sup>	20	33.5	55	60	50	58	70
Septation parameter, $K_{\text{sep}}$ <sup>c</sup>	0.0090	0.0108	0.0080	0.0080	0.0070	0.0070	0.0072

<sup>a</sup>Estimated from Carlsen et al. (1996).

<sup>b</sup>Data from Spohr et al. (1998b).

<sup>c</sup>Fitted parameter.