

**Supplemental Table 3.** Bayesian information criterion (BIC) for primary growth models fitted with aerobic plate count (APC) data averaged across trials for a given combination of storage temperature, milk type, and microfiltration membrane pore size.<sup>1</sup>

	6.5°C				10°C			
	Skim		Whole		Skim		Whole	
	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2
Baranyi	20.29 <sup>3</sup>	NC	NA <sup>4</sup>	NC	21.20	32.08	24.49 <sup>3,5</sup>	37.02
Gompertz	20.30	NC	23.79 <sup>3</sup>	NC	21.10 <sup>3</sup>	29.92 <sup>3</sup>	24.49 <sup>3,5</sup>	36.96 <sup>3</sup>
Buchanan	NA <sup>4</sup>	NC	NA <sup>4</sup>	NC	NA <sup>4</sup>	NA <sup>4</sup>	NA <sup>4</sup>	37.02

<sup>1</sup>Fitting data to growth models was not performed for samples stored at 3°C, as on average, data did not surpass 20,000 cfu/mL through 63 days of storage.

<sup>2</sup>Not computed. Similarly, to samples stored at 3°C, on average, both skim and whole milk microfiltered with a 1.2-µm membrane and stored at 6.5°C did not surpass 20,000 cfu/mL through 63 days of storage.

<sup>3</sup>The lowest BIC for a given combination of storage temperature, milk type, and pore size. The model associated with the lowest BIC was used for estimating growth model parameters.

<sup>4</sup>Not available. A BIC was not available when data could not be fitted to a given model.

<sup>5</sup>Models had equal BICs for a given combination of storage temperature, milk type, and pore size. Thus, estimated model parameters, after fitting data, were averaged for predicted time to 20,000 and 1,000,000 cfu/mL.