

**Temperature-Dependent Growth Modeling of Environmental and Clinical
Legionella pneumophila Multilocus Variable-Number Tandem-Repeat Analysis
(MLVA) Genotypes**

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Supplementary Tables

Table S1. MLVA-8 designated genotypes, isolation source and the temperatures at which growth parameters reached maximal values for each strain.

Table S2. List of models fitted for strain growth curves at each temperature.

Table S1. MLVA-8 designated genotypes, isolation source and the temperatures at which growth parameters reached maximal values for each strain.

Strain	Source	MLVA-8 Genotype	Optimal values			Growth range
			λ	μ_m	A	
C1	Cl	4	25°C	37°C	37°C	<25-42°C
C4	Cl	4	25°C	37°C	37°C	<25-42°C
C9	Cl	4	30°C	37°C	37°C	<25-42°C
C10	Cl	4	25°C	37°C	37°C	<25-42°C
C5	Cl	6	25°C	37°C	37°C	<25-42°C
C7	Cl	6	25°C	37°C	42°C	<25-42°C
C3	Cl	19	25°C	37°C	37°C	<25-42°C
C11	Cl	20	25°C	37°C	37°C	<25-42°C
C6	Cl	22	25°C	37°C	42°C	<25-42°C
C8	Cl	22	25°C	37°C	37°C	<25-42°C
C2	Cl	24	25°C	37°C	37°C	<25-42°C
C12	Cl	N.A	25°C	42°C	42°C	<25-42°C
O123	Env	4	25°C	42°C	25°C	<25-42°C
O128	Env	4	25°C	42°C	25°C	<25-42°C
O55	Env	4	25°C	42°C	25°C	<25-42°C
O72	Env	4	25°C	42°C	25°C	<25-42°C
O75	Env	4	25°C	42°C	25°C	<25-42°C
O8	Env	4	25°C	42°C	25°C	<25-42°C
O86	Env	4	25°C	42°C	25°C	<25-42°C
O9	Env	4	25°C	42°C	25°C	<25-42°C
O28	Env	6	25°C	37°C	25°C	<25-42°C
O29	Env	6	25°C	30°C	25°C	<25-42°C
O35	Env	6	25°C	37°C	25°C	<25-42°C
O36	Env	6	25°C	37°C	30°C	<25-42°C
O93	Env	6	25°C	37°C	42°C	<25-42°C
O94	Env	6	25°C	37°C	42°C	<25-42°C
O100	Env	15	30°C	42°C	37°C	<25-45°C
O101	Env	15	30°C	42°C	42°C	<25-45°C
O58	Env	15	25°C	37°C	30°C	<25-45°C
O59	Env	15	25°C	42°C	30°C	<25-45°C
O60	Env	15	25°C	42°C	42°C	<25-45°C
O61	Env	15	25°C	42°C	42°C	<25-45°C

Cl, Clinical; Env, Environmental; λ , Shortest lag phase; μ_m , Maximal growth rate; A, Maximal cell density.

Table S2. List of models fitted for strain growth curves at each temperature.

Strain	Fitted model ^a			
	25°C	30°C	37°C	42°C
C1	gompertz.exp	gompertz	gompertz	gompertz
C2	gompertz	richards	gompertz	gompertz
C3	gompertz	richards	gompertz	richards
C4	gompertz	gompertz	gompertz	gompertz
C5	gompertz	gompertz	gompertz	gompertz
C6	gompertz	gompertz	gompertz	gompertz
C7	gompertz	gompertz	gompertz	gompertz
C8	gompertz.exp	gompertz	gompertz	gompertz
C9	gompertz.exp	gompertz	gompertz	richards
C10	gompertz	gompertz	gompertz	gompertz
C11	gompertz.exp	gompertz	gompertz	gompertz
C12	gompertz.exp	gompertz	gompertz	gompertz
O100	gompertz	gompertz	gompertz	gompertz
O101	richards	gompertz.exp	gompertz	gompertz
O123	richards	gompertz	gompertz	richards
O128	richards	richards	gompertz	richards
O28	richards	gompertz	richards	gompertz
O29	richards	gompertz.exp	gompertz	gompertz.exp
O35	richards	gompertz	gompertz	gompertz
O36	richards	richards	gompertz	gompertz
O55	richards	richards	gompertz	richards
O58	richards	richards	gompertz	gompertz
O59	richards	gompertz	gompertz	richards
O60	richards	richards	gompertz	gompertz
O61	richards	gompertz	gompertz	richards
O72	richards	richards	gompertz	richards
O75	richards	richards	gompertz	logistic
O8	logistic	gompertz	gompertz	richards
O86	richards	richards	gompertz.exp	richards
O9	richards	richards	gompertz	richards
O93	richards	richards	gompertz	gompertz
O94	richards	richards	richards	gompertz

^aSee Table 2 for the models equations.