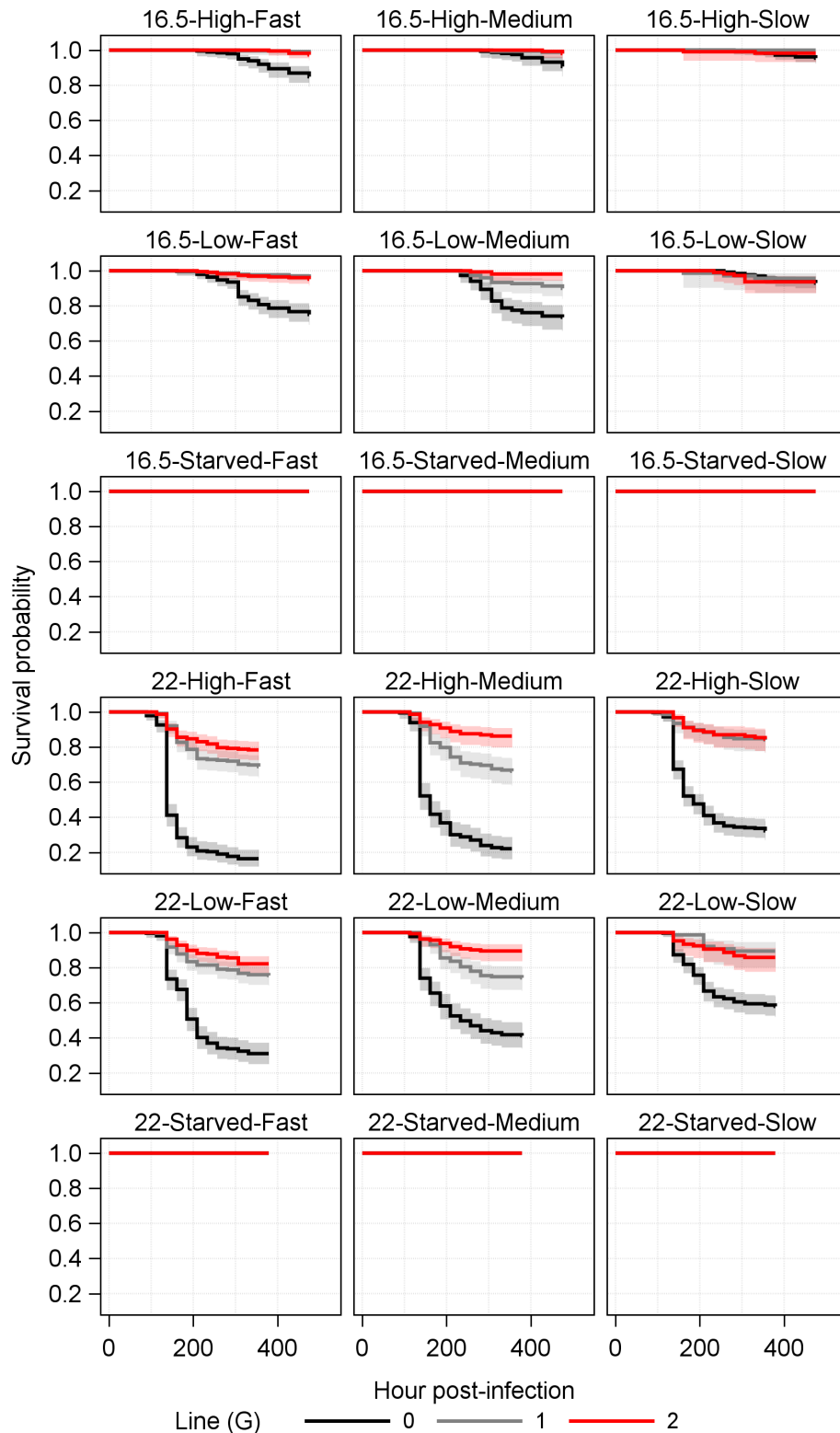
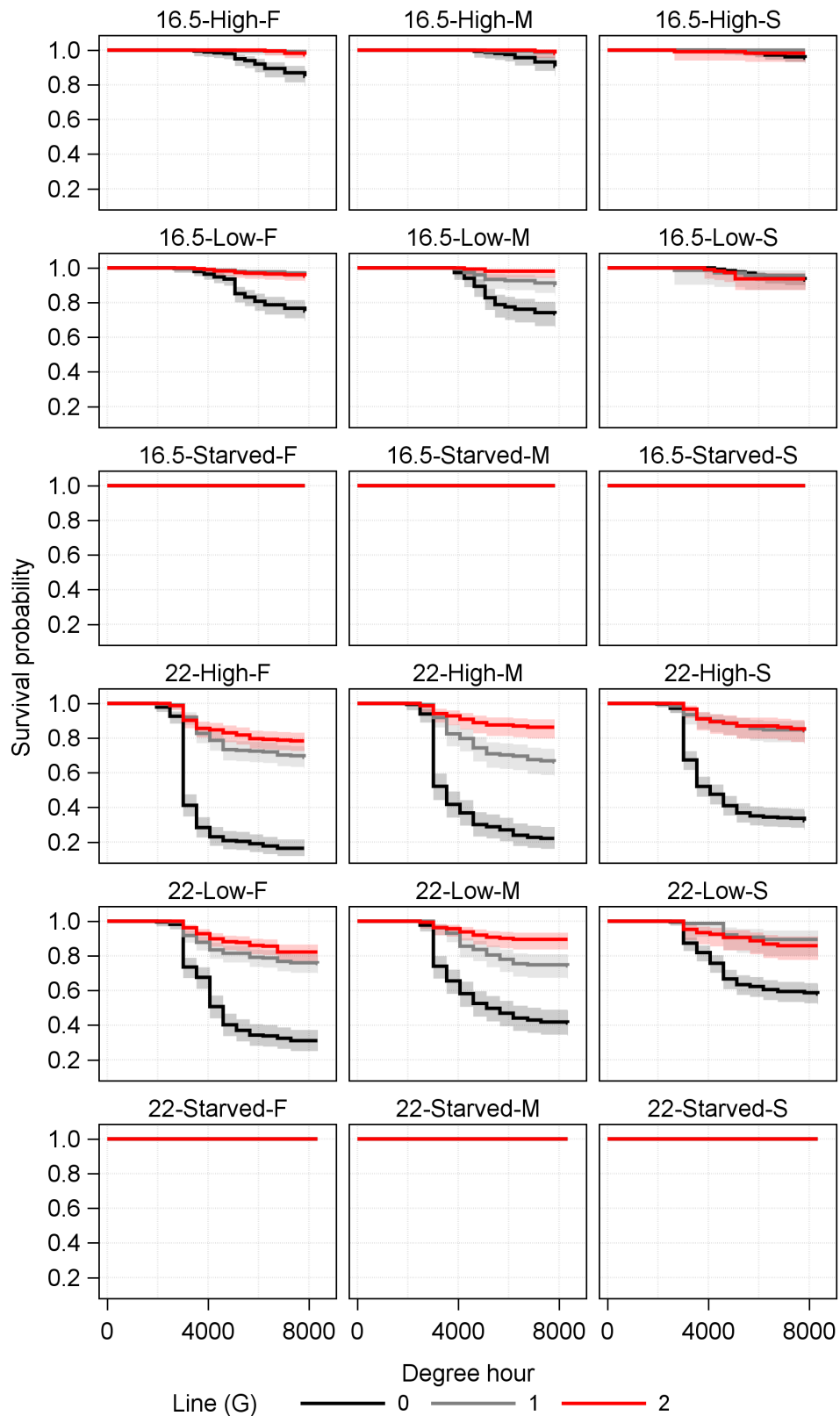


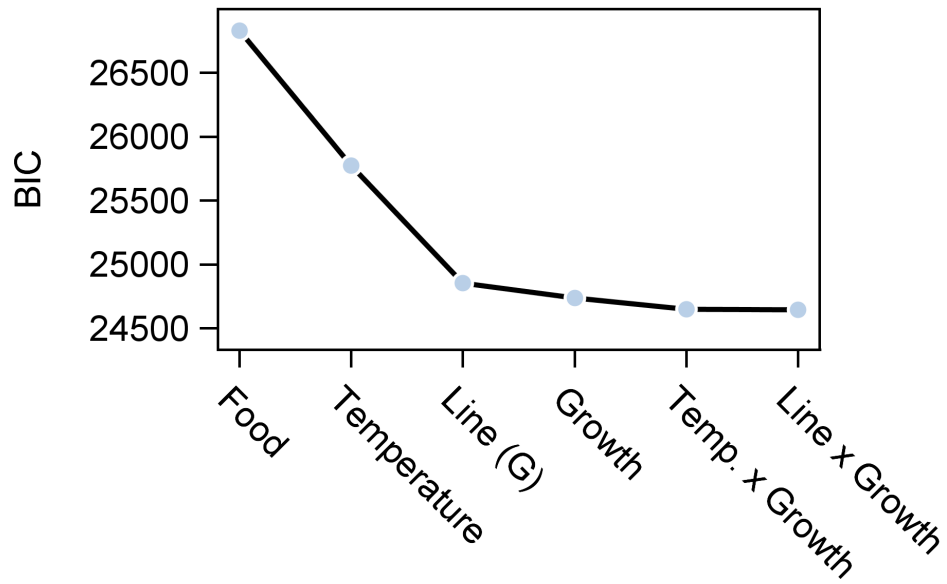
**Figure S1.** Temporal evolution of temperature, oxygen saturation and water flow in tanks as a function of food level and temperature. Values are means  $\pm$  95% confidence interval ( $n=3$  tanks). The vertical reference line indicates day 14 beyond which virus exposure begins.



**Figure S2.** Survival probability of oysters exposed to OsHV-1 as a function of temperature (16.5°C and 22°C), food level (high, low, and starved), growth rate (fast, medium, and slow) and line (G0, G1 and G2). Values are means  $\pm$  95% confidence interval (n=3 tanks). Time is expressed in hour post infection.



**Figure S3.** Survival probability of oysters exposed to OsHV-1 as a function of temperature (16.5°C and 22°C), food level (high, low, and starved), growth rate (fast, medium, and slow) and line (G0, G1 and G2). Values are means  $\pm$  95% confidence interval (n=3 tanks). Time is expressed in degree hour.



**Figure S4.** Values of the Bayesian Information Criterion (BIC) as a function of effects included in the Cox regression model.