



**S5 Fig. Pattern of (A) cell viability, (B) cell population and (C) fermentation rates during alcoholic fermentation using the Lalvin EC1118<sup>®</sup> strain for the six nutrient conditions set up for transcriptome analysis**

(—) N-: Low nitrogen (71 mg/L YAN); (—) N-/Erg-: Low nitrogen/ Low ergosterol (71 mg/L YAN, 1.5 mg/L ergosterol); (—) N+/Ole-: High nitrogen/ Low oleic acid (425 mg/L YAN, 18 mg/L oleic acid); (—) N+/Erg-: High nitrogen/ Low ergosterol (425 mg/L YAN, 1.5 mg/L ergosterol); (—) N+/Pan-: High nitrogen / Low pantothenic acid (425 mg/L YAN, 0.02 mg/L pantothenic acid); and (—) N+/Nic-: High nitrogen/ Low nicotinic acid (425 mg/L YAN, 0.08 mg/L nicotinic acid). Curves show the mean of fermentations performed in duplicate for cell viability and triplicate for cell population and fermentation rate. Error bars correspond to standard deviation.