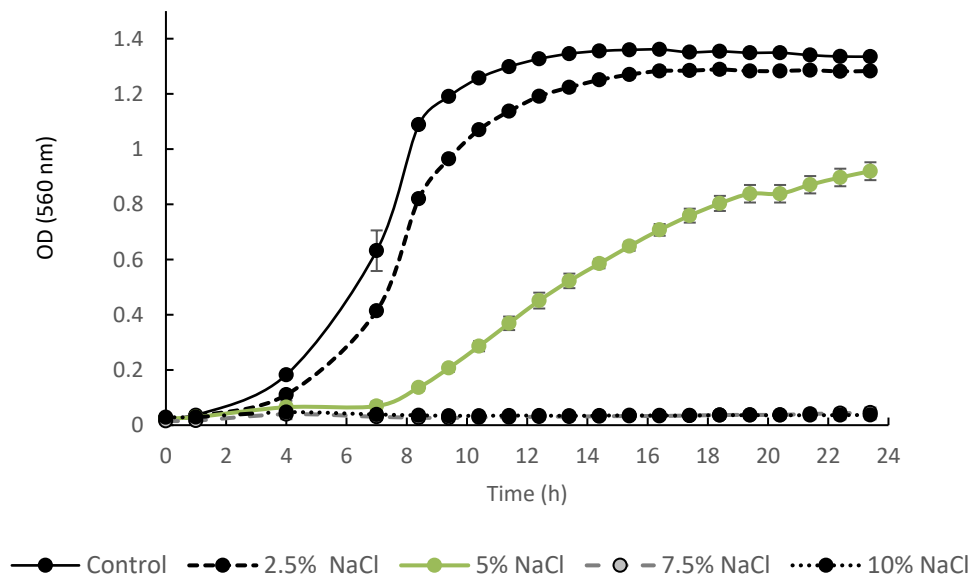
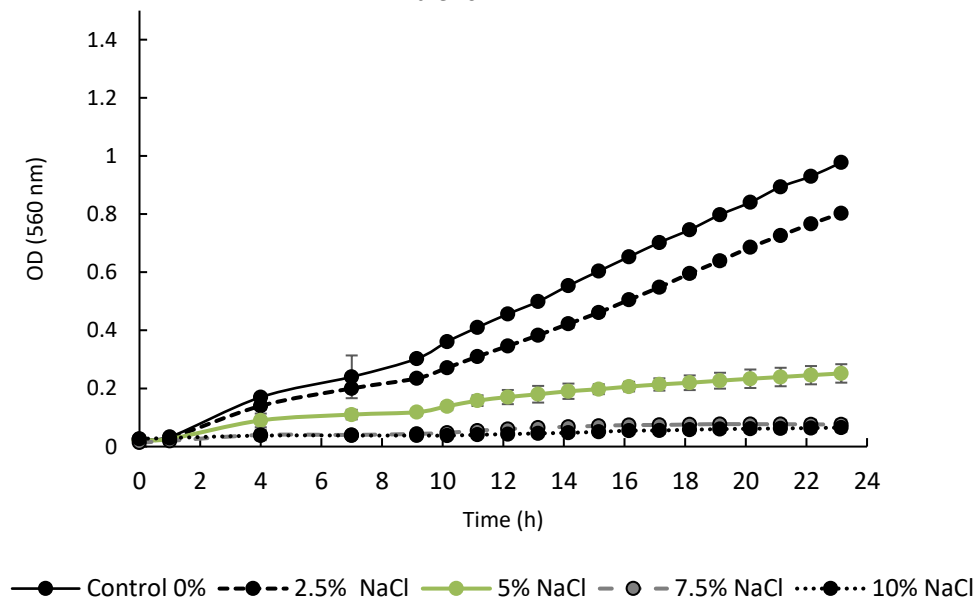


**Figure S1.** Strain Compatibility Assessment. The agar diffusion method was employed. The cell concentration of the indicator strain was 108 CFU/mL (grass strain), and 30  $\mu$ L of the cell-free supernatant culture of other strains was added to the wells. Incompatibility between strains is evidenced by halos of inhibition surrounding the well. In the example, the *Lv. brevis* LVP 41 grass and the supernatant of the other bacteria are observed.

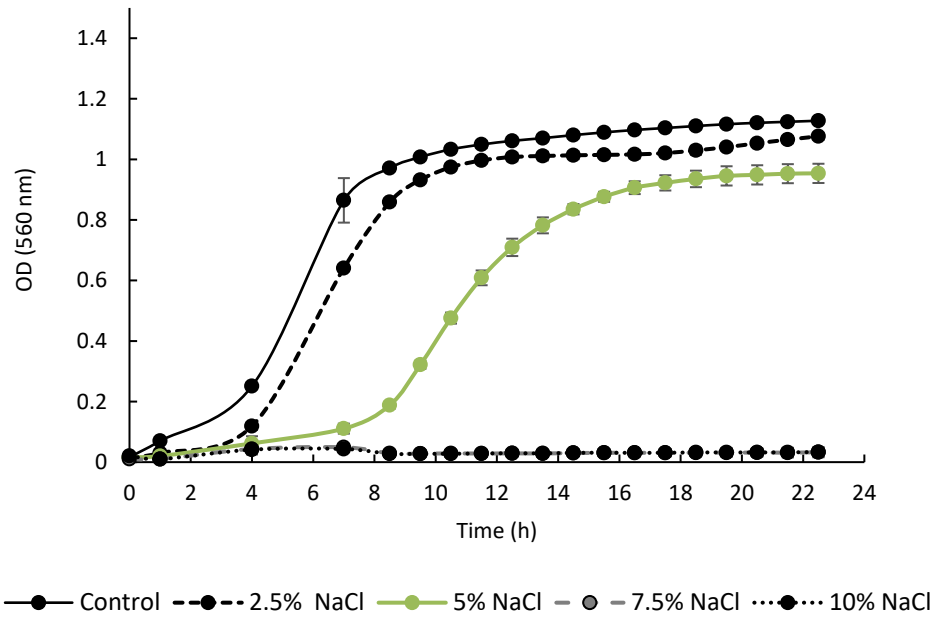
*Lp. plantarum* LV P40



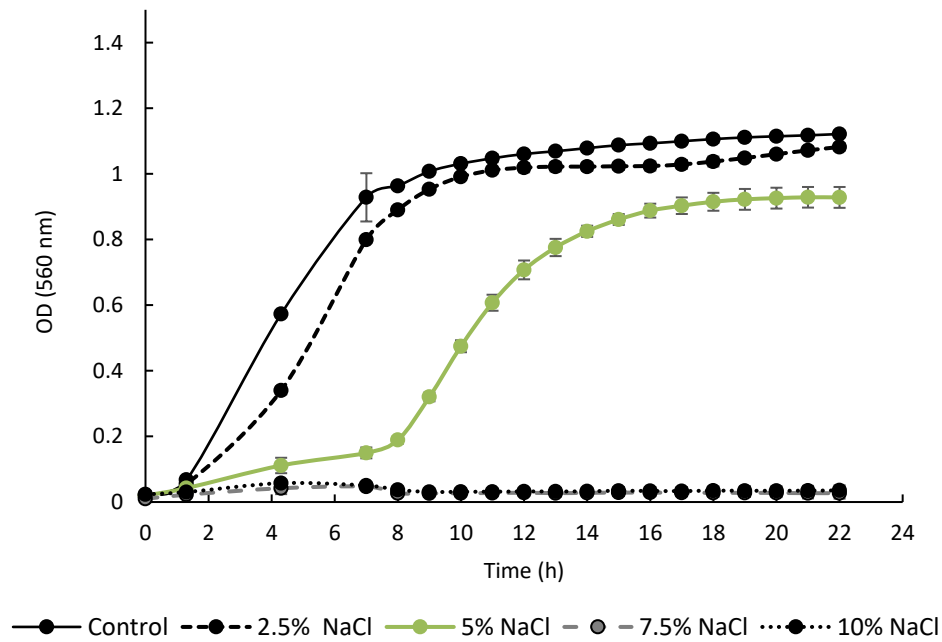
*Lv. brevis* LV P41

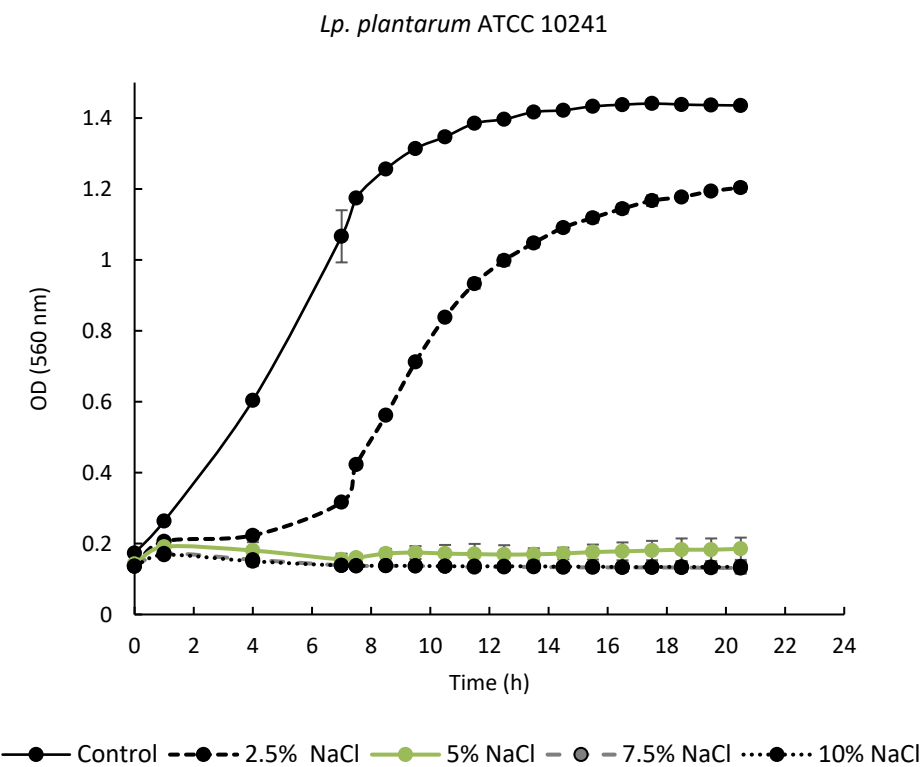
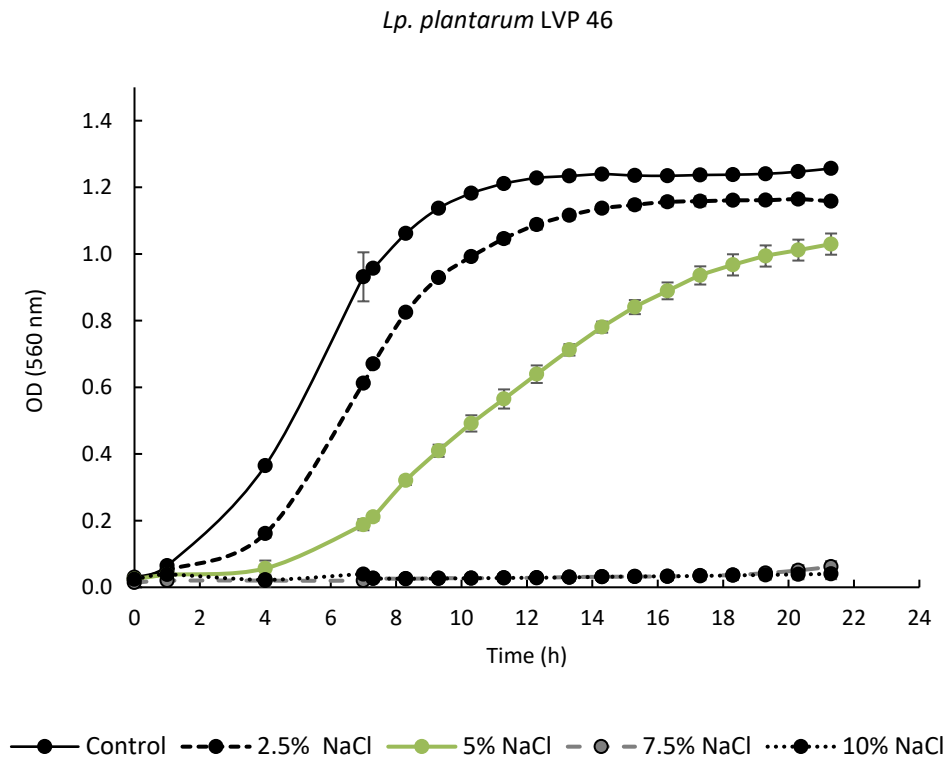


*P. pentosaceus* LV P43



*Lt. curvatus* LVP 44





**Figure S2.** Growth curves of lactic acid bacteria in the absence and presence of different NaCl concentrations.