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Figure 4. Schematic diagram for the animal immunization experiment (A). Secretory IgA (B) and serum IgG (C) responses in mice orally immunized with *Lactiplantibacillus plantarum* SK156 expressing PEDV M antigens. Serum IL-4 (D), IL-6 (E), and IL-10 (F) responses in mice orally immunized with *Lp. plantarum* SK156 expressing PEDV M antigens. Concentrations of secretory IgA, IgG, IL-4, IL-6, IL-10 were detected using ELISA. Data is reported as mean \pm standard deviation (SD). ‘*’ indicates significant difference compared to the control. ‘#’ indicates significant difference compared to the wild-type *Lp. plantarum*. Significant differences were calculated using one-way ANOVA or Kruskal-Wallis with post hoc test, where $p < 0.05$ was considered significant.