Supplementary Materials: Pregnancy Vaccination with Gold Glyco-Nanoparticles Carrying *Listeria monocytogenes* Peptides Protects against Listeriosis and Brain- and Cutaneous-Associated Morbidities

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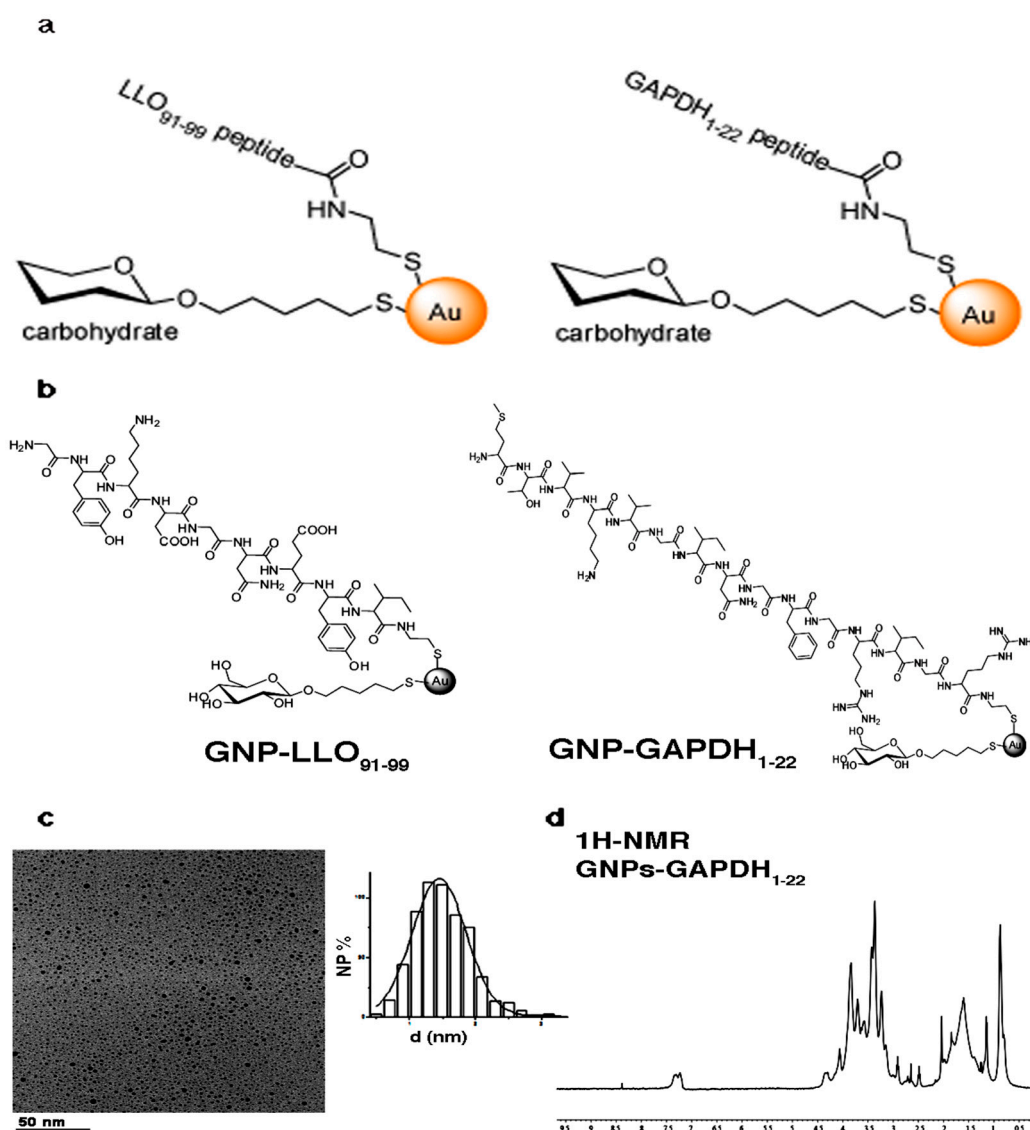
Figure S1. Synthesis of gold glyconanoparticles listeriolysin peptide 91–99 (GNP-LLO$_{91-99}$) and gold glyconanoparticles glyceraldehyde-3-phosphate dehydrogenase 1–22 peptide (GNP-GAPDH$_{1-22}$) nanovaccines. (**a**) Model of nanovaccines used, GNP-LLO$_{91-99}$ and GNP-GAPDH$_{1-22}$. (**b**) Schematic representation of chemical structure of gold glyconanoparticles coated with LLO (GNP-LLO$_{91-99}$) or GAPDH (GNP-GAPDH$_{1-22}$) peptides. (**c**) Transmission electron microscopy (TEM) image (100,000 × magnification) and size histogram showing the spherical shape and nanometric size of the gold core of GNP-GAPDH$_{1-22}$. (**d**) 1H-NMR analysis of GNP-GAPDH$_{1-22}$ to calculate the amount of peptide: 8.9 μg (GAPDH$_{1-22}$)/0.182 mg of GNP.