

Supplementary Material

Polyphenylalanine as a self-adjuvanting delivery system for peptide-based vaccines: the role of peptide conformation

Mariusz Skwarczynski^A, Guangzu Zhao^A, Victoria Ozberk^B, Ashwini Kumar Giddam^B, Zeinab G. Khalil^B, Manisha Pandey^B, Waleed M. Hussein^A, Reshma J. Nevagi^A, Michael R. Batzloff^B, Robert J. Capon^C, Michael F. Good^B and Istvan Toth^{A,C,D,}*

^ASchool of Chemistry & Molecular Biosciences, The University of Queensland, St Lucia, Qld 4072, Australia

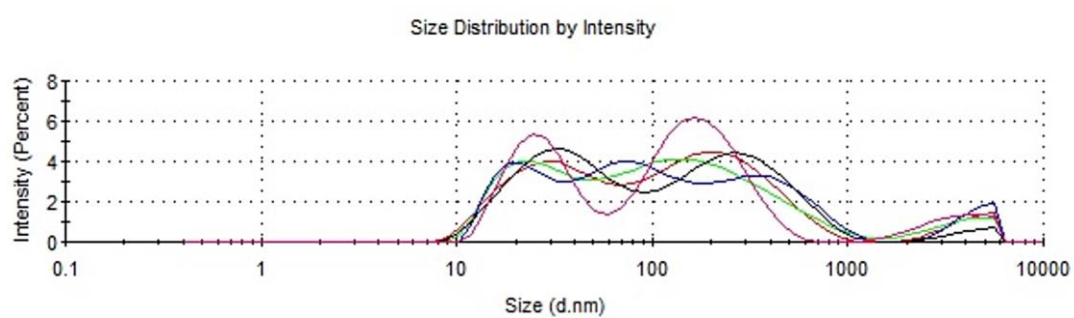
^BInstitute for Glycomics, Griffith University, Gold Coast, Qld 4222, Australia

^CInstitute for Molecular Bioscience, The University of Queensland, St Lucia, Qld 4072, Australia

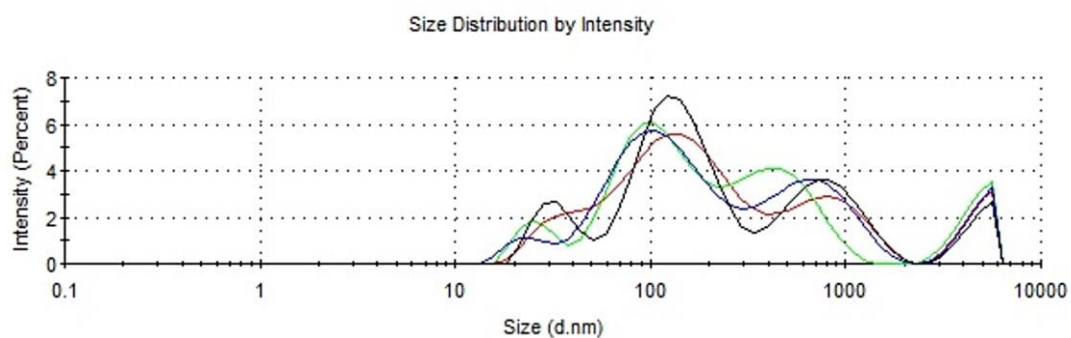
^DSchool of Pharmacy, The University of Queensland, Woolloongabba, Qld 4102, Australia

*Correspondence to: Email: i.toth@uq.edu

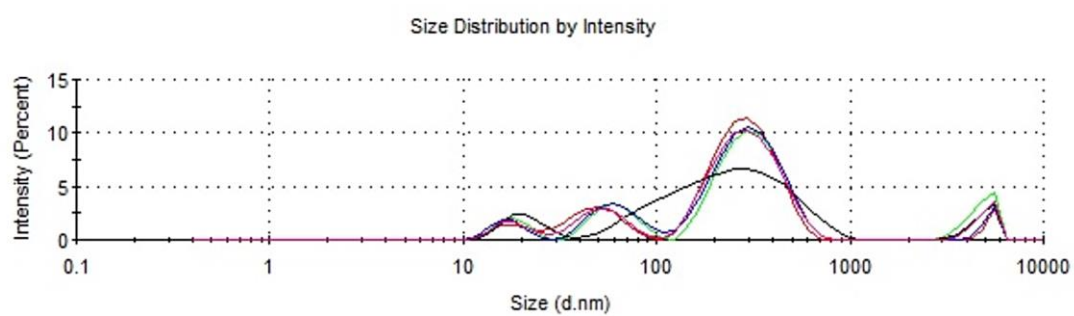
a)



b)



c)



d)

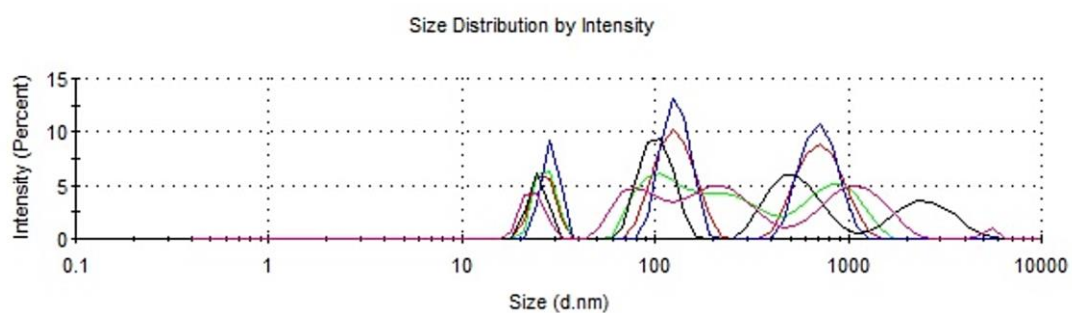
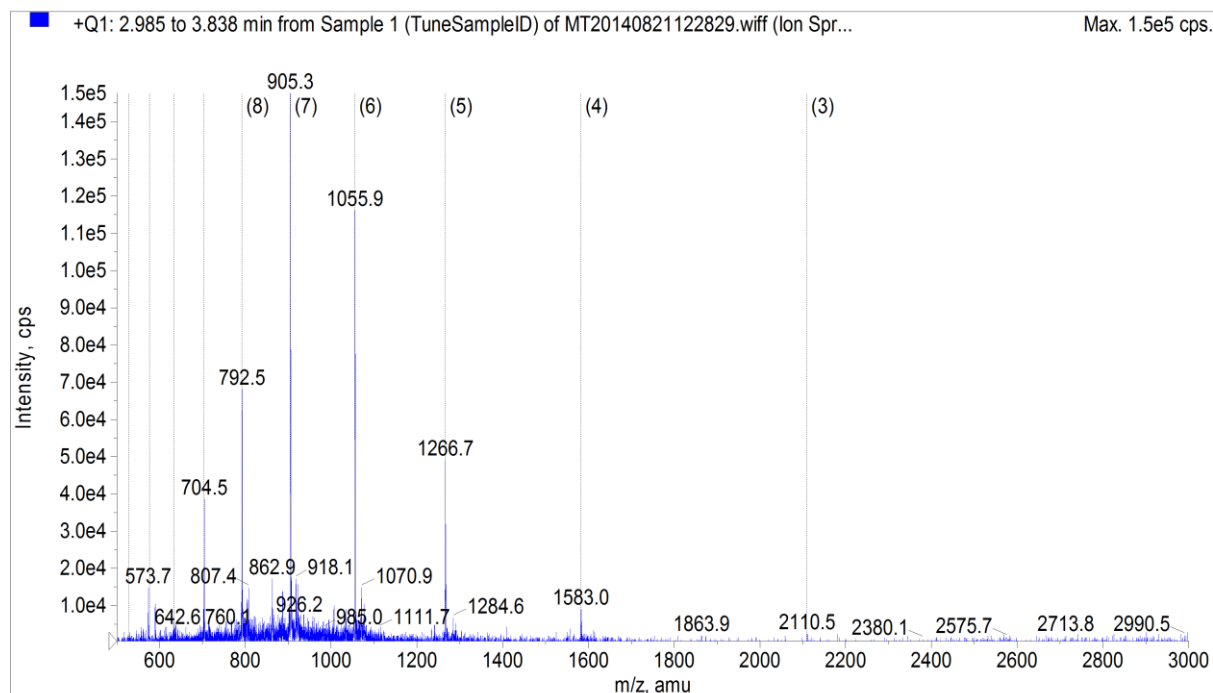
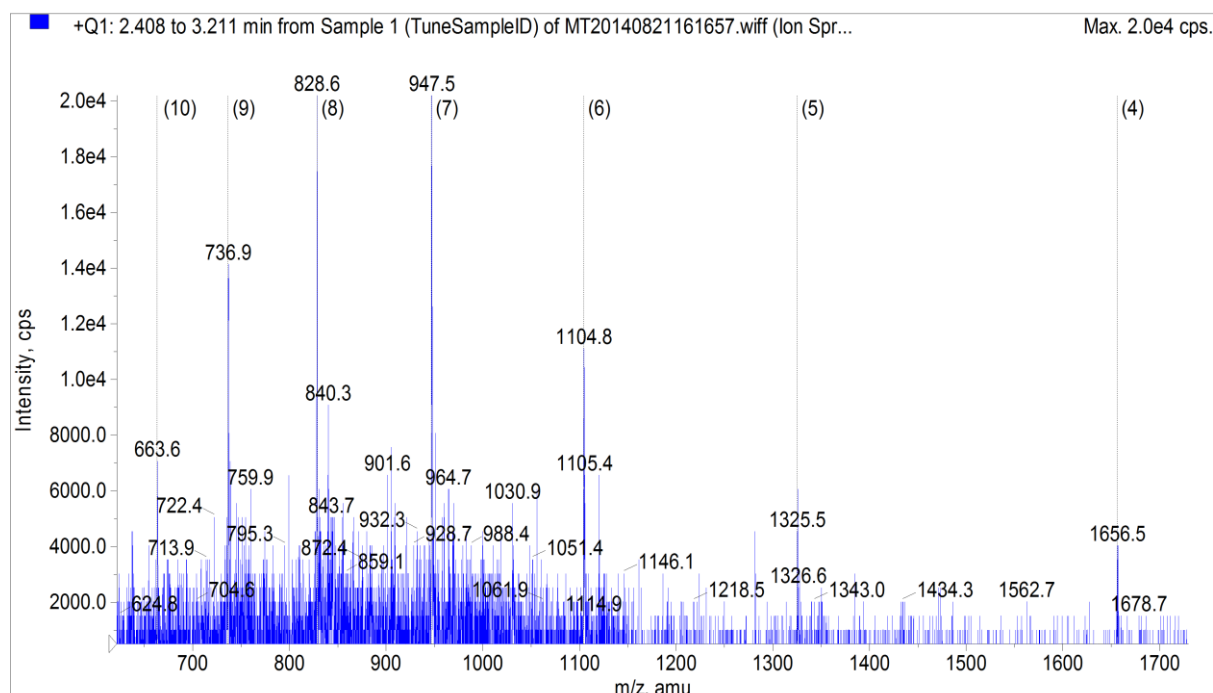


Figure S1. Particle size distribution for compound a) **2**; b) **3**; c) **4**; and d) **5** analyzed by dynamic light scattering (intensity).

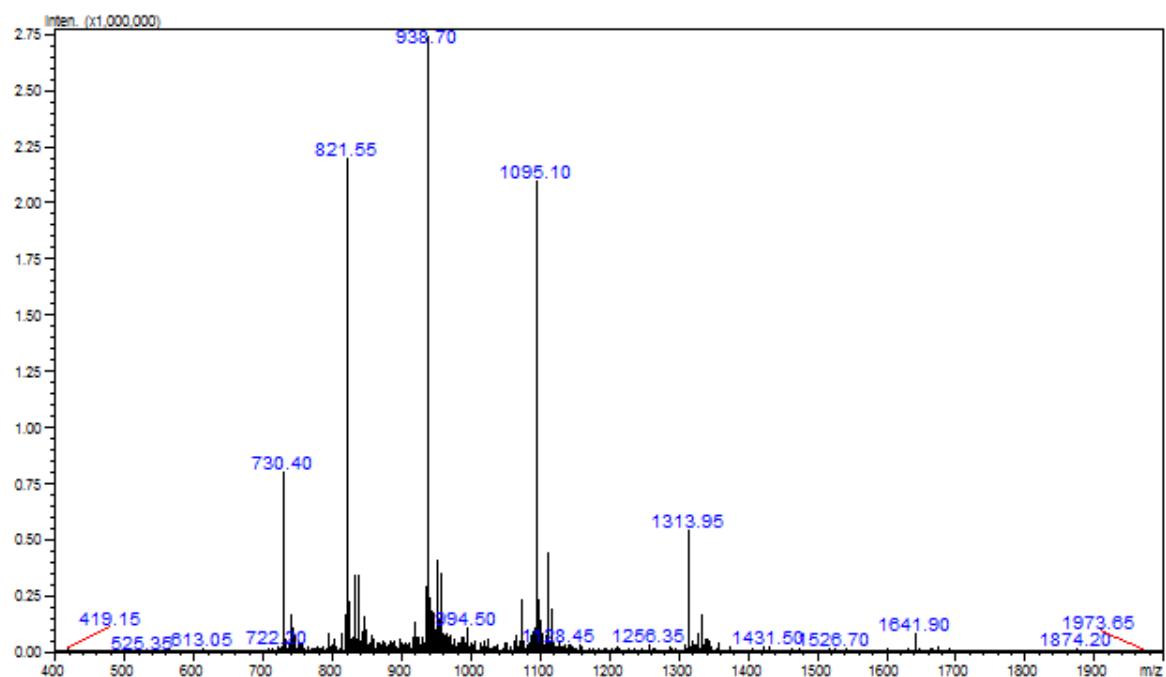
Peptide 2:



Peptide 3:



Peptide 4:



Peptide 5:

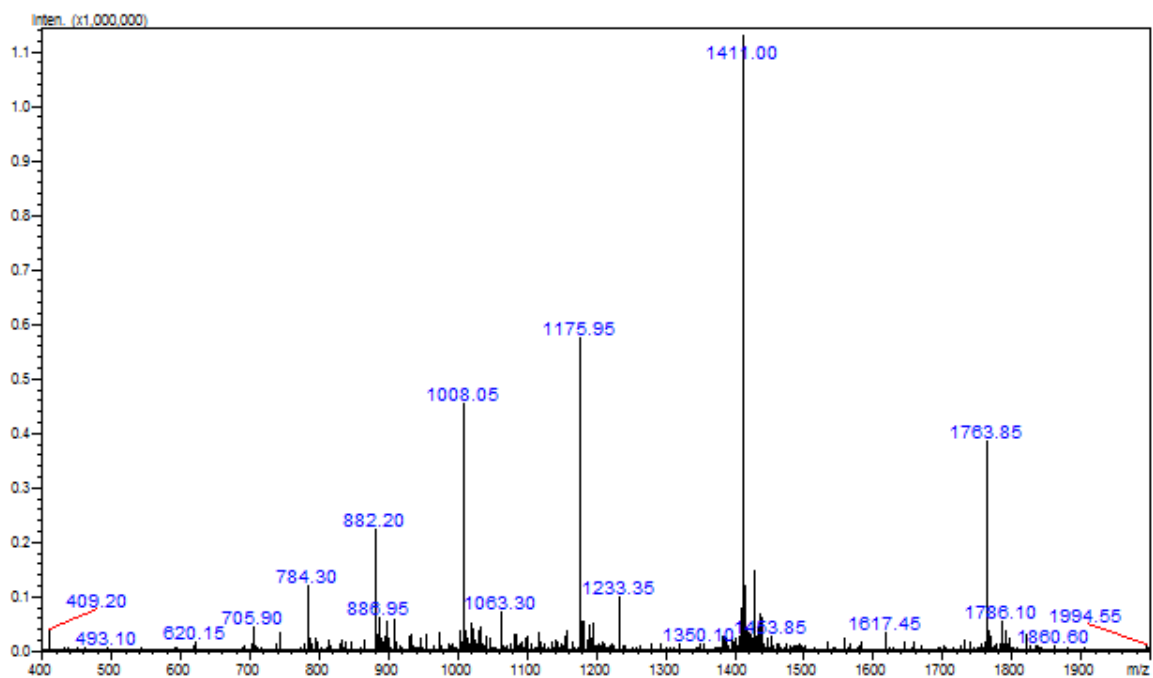


Figure S2. ESI-MS spectra of peptides 2–5.