

SUPPORTING INFORMATION
for
**Why a diaminopyrrolic tripodal receptor binds
mannosides in acetonitrile but not in water?**

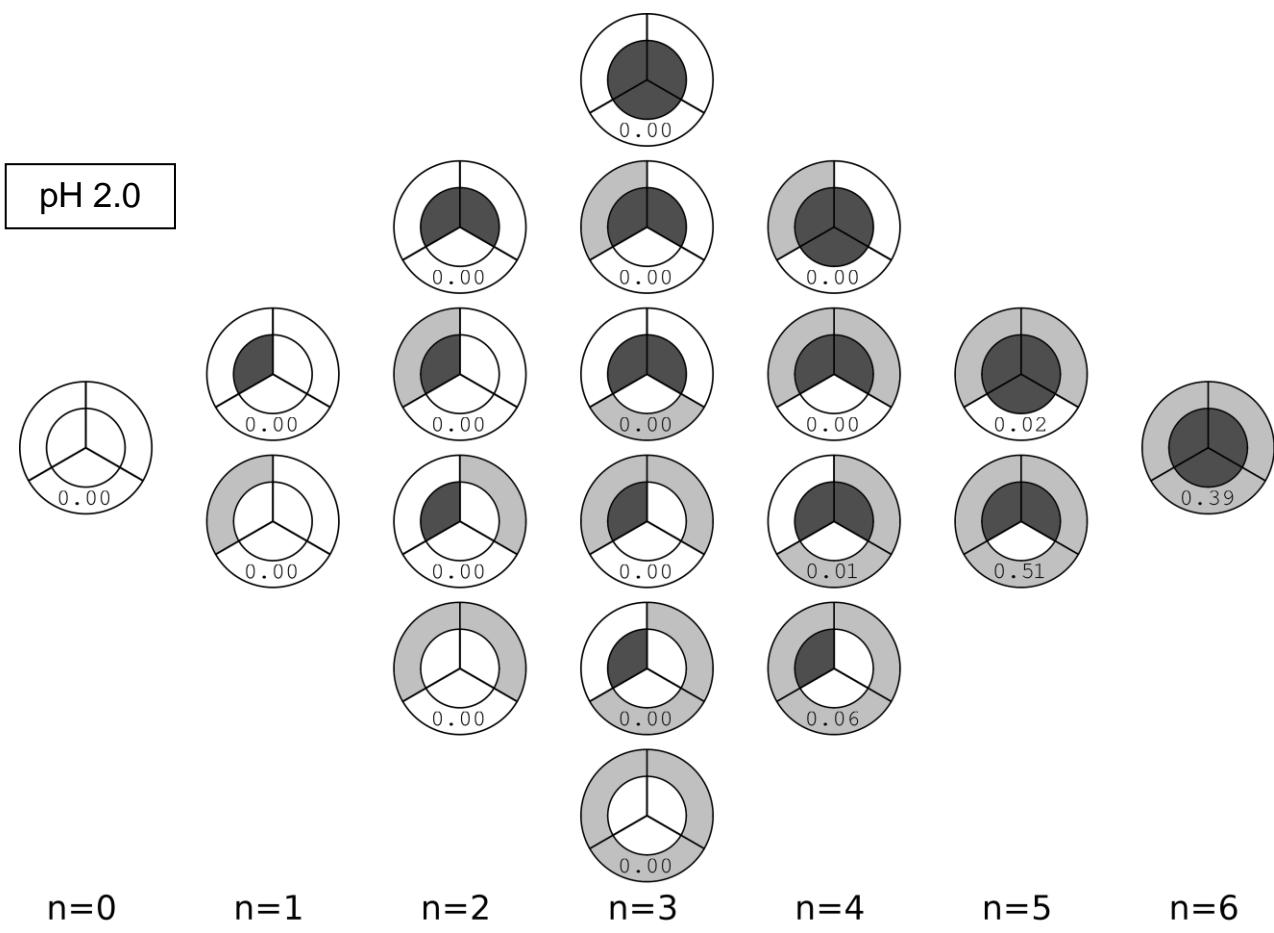
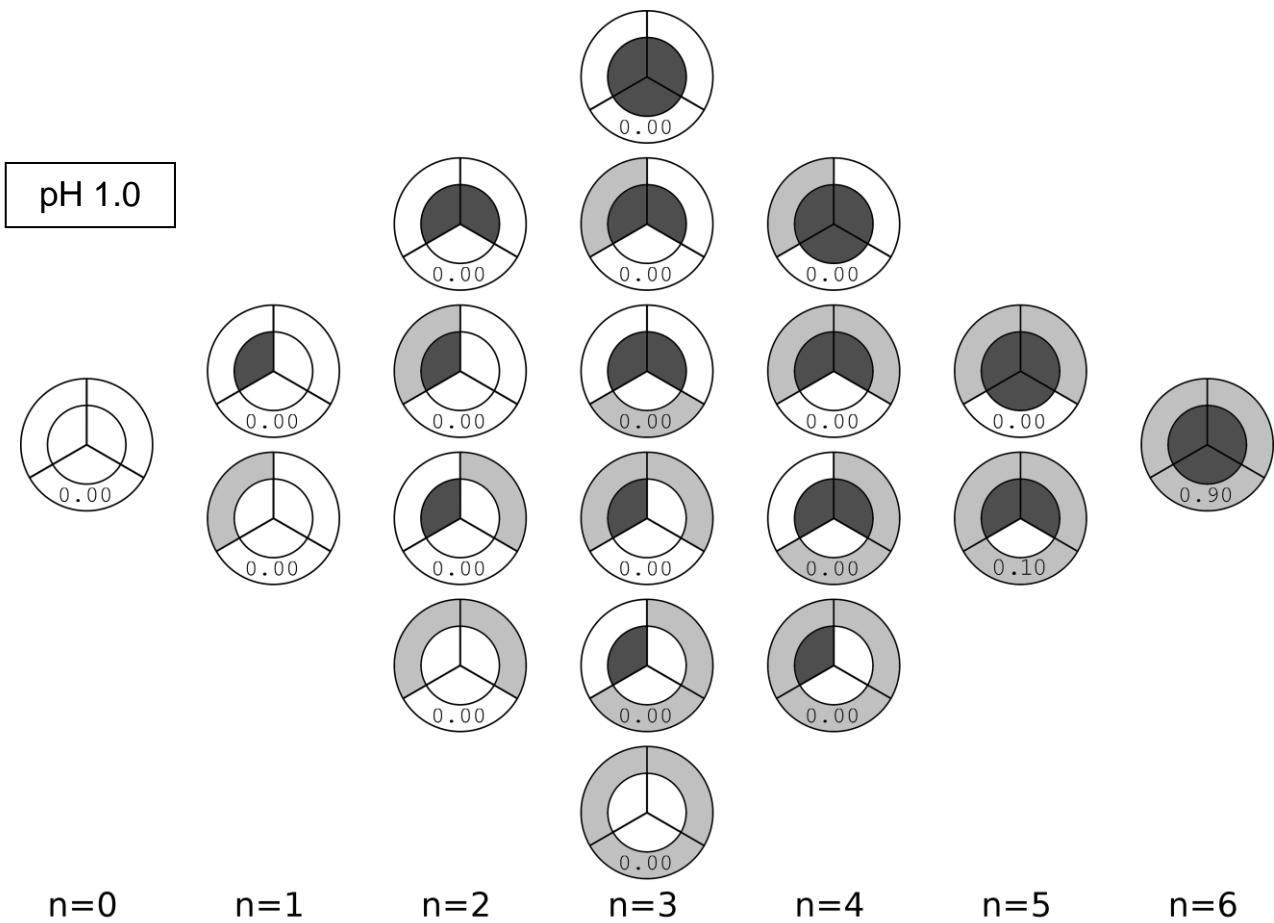
Diogo Vila-Viçosa¹, Oscar Francesconi² and Miguel Machuqueiro^{1*}

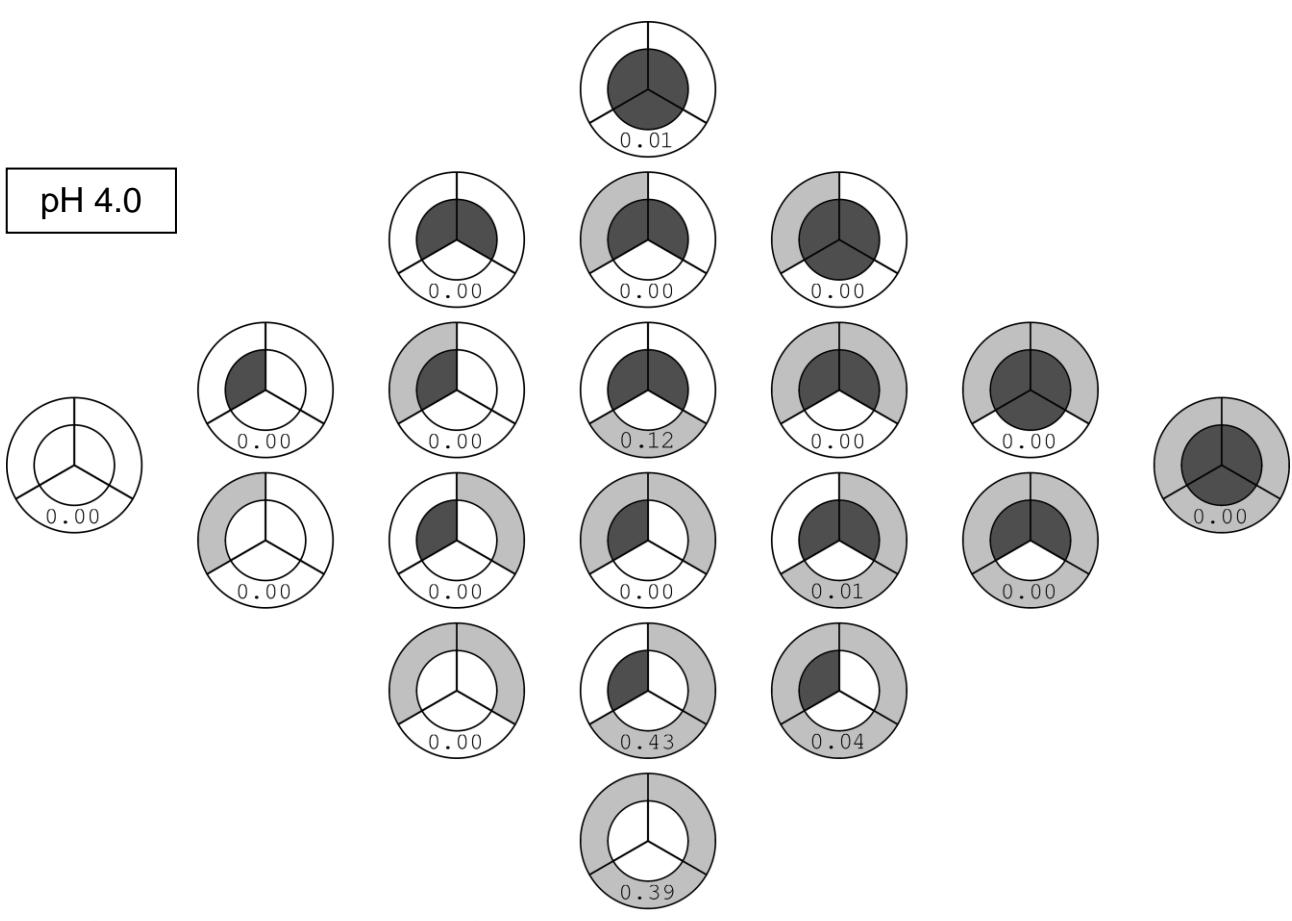
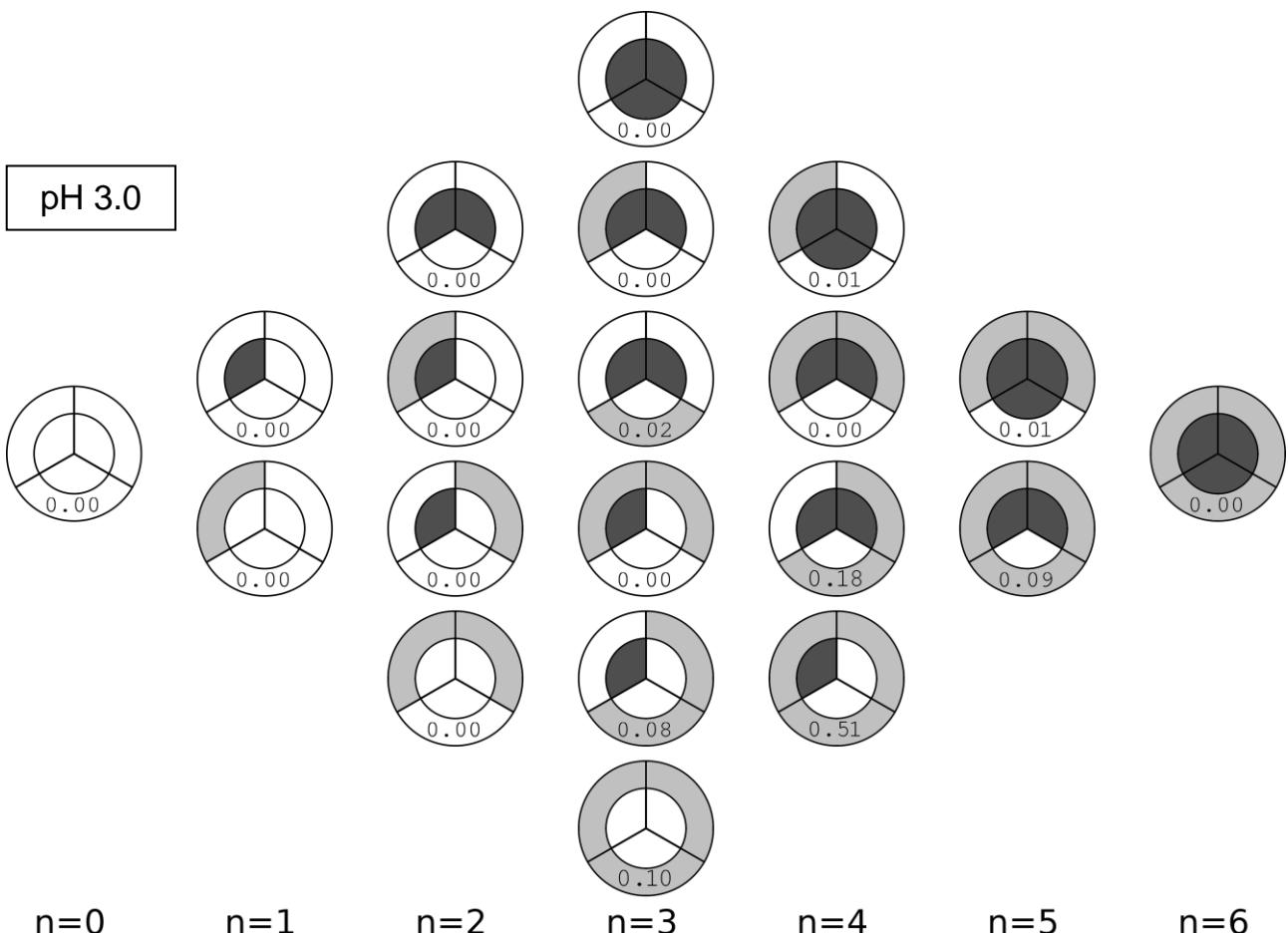
Address: ¹Centro de Química e Bioquímica, Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa, 1749-016 Lisboa, Portugal, Phone: +351-21-7500112. Fax: +351-21-7500088 and ²Dipartimento di Chimica, Università di Firenze, Polo Scientifico e Tecnológico, 50019 Sesto Fiorentino, Firenze, Italy

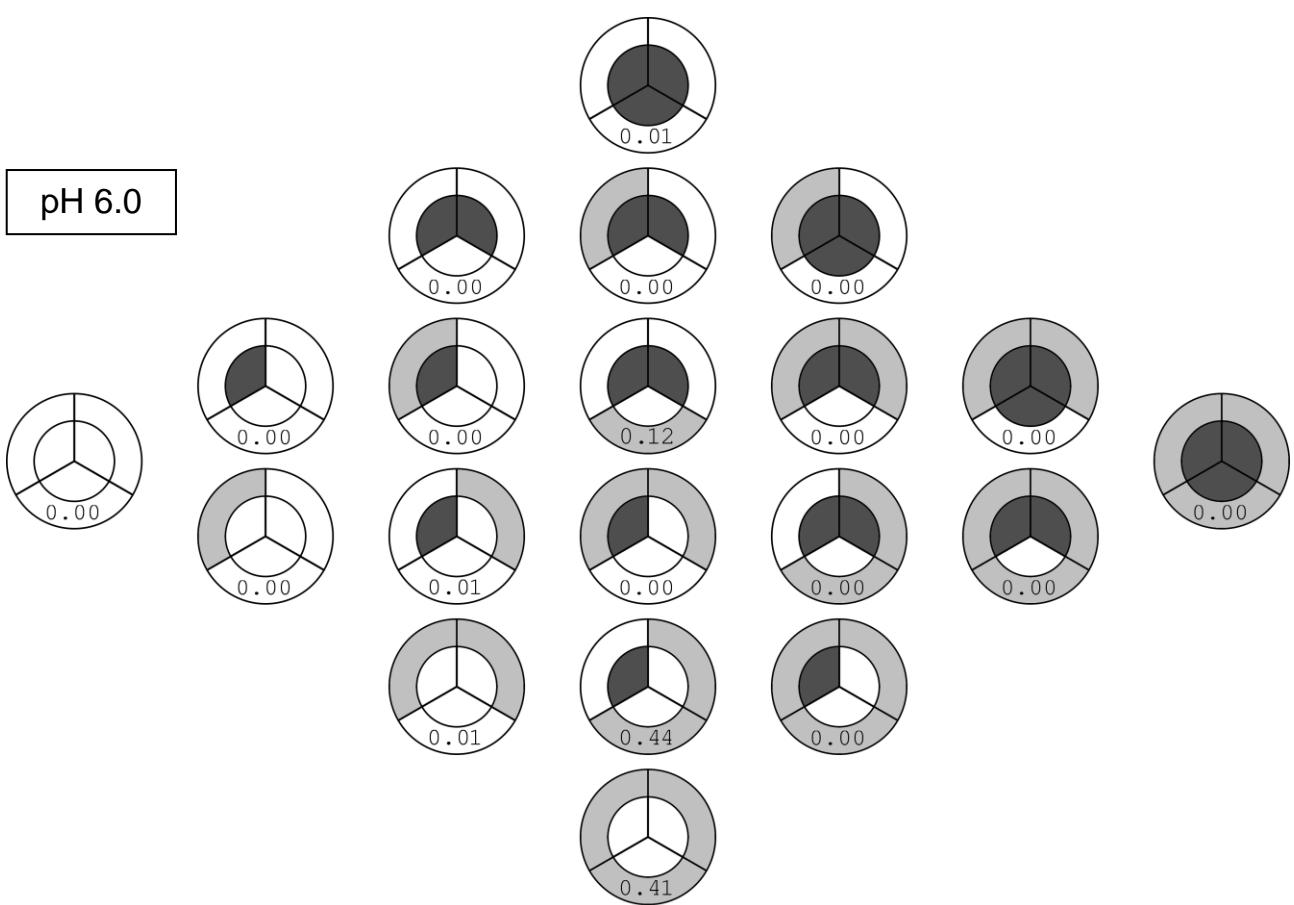
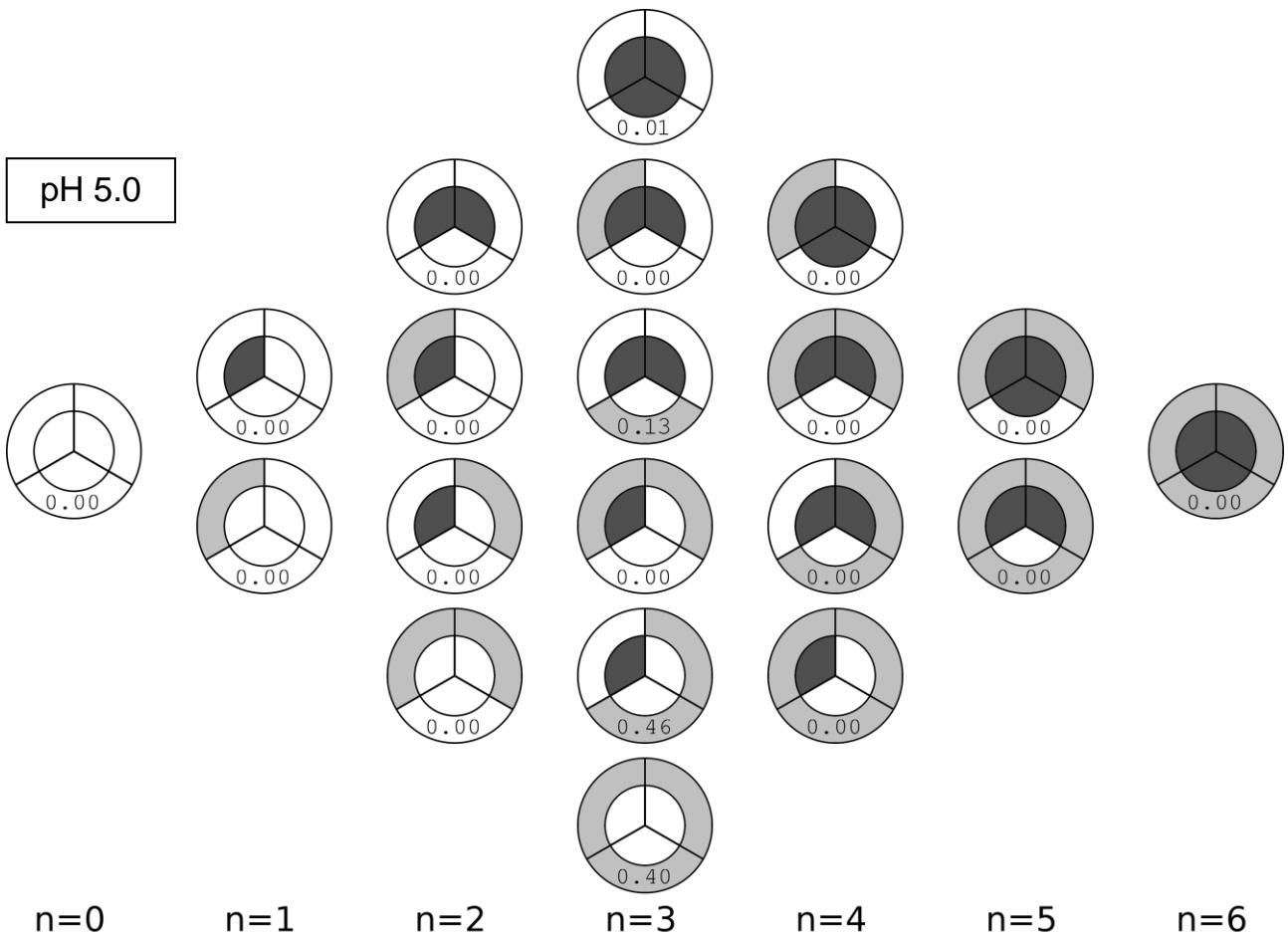
Email: Miguel Machuqueiro^{*} - machuque@fc.ul.pt

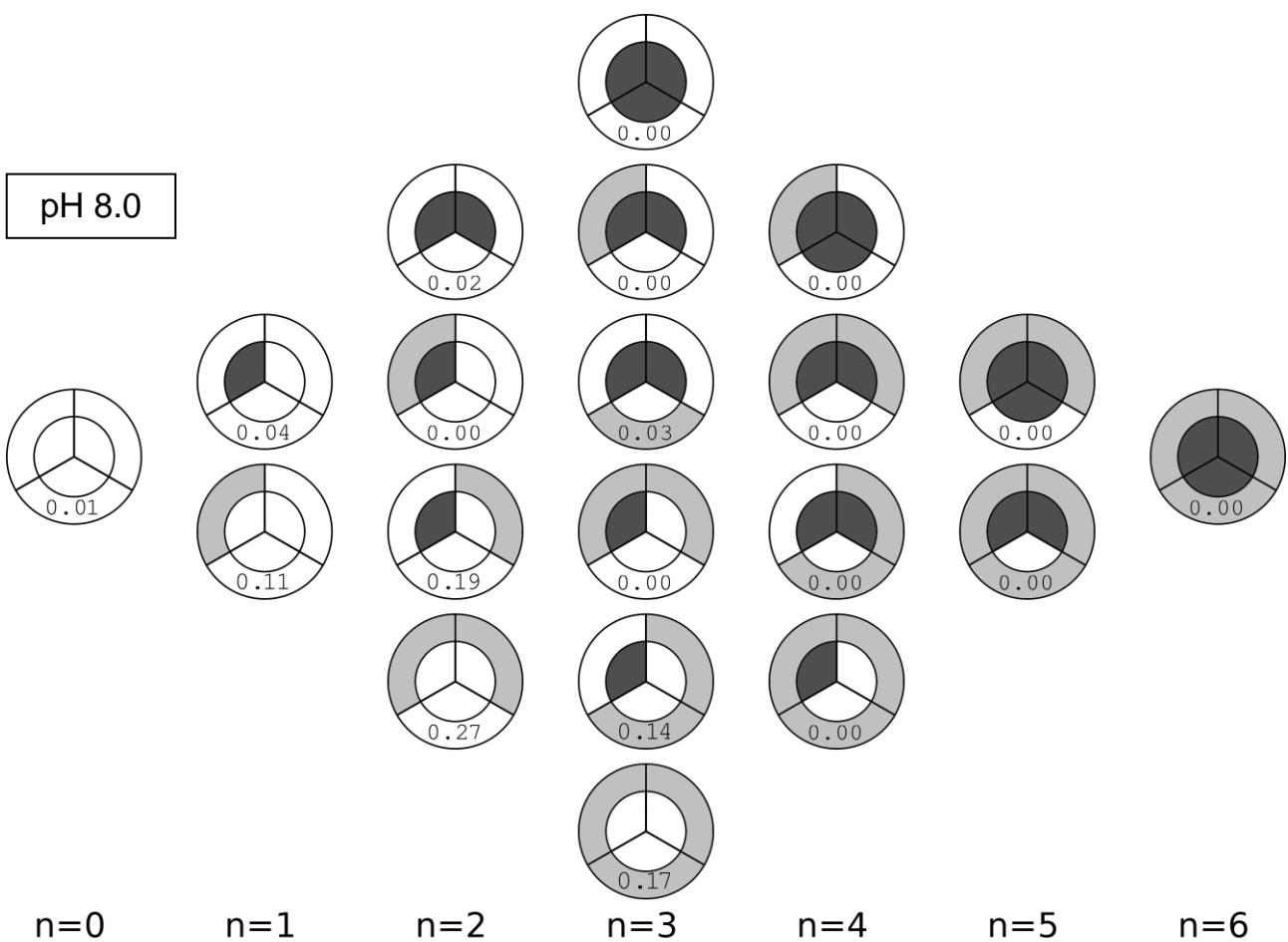
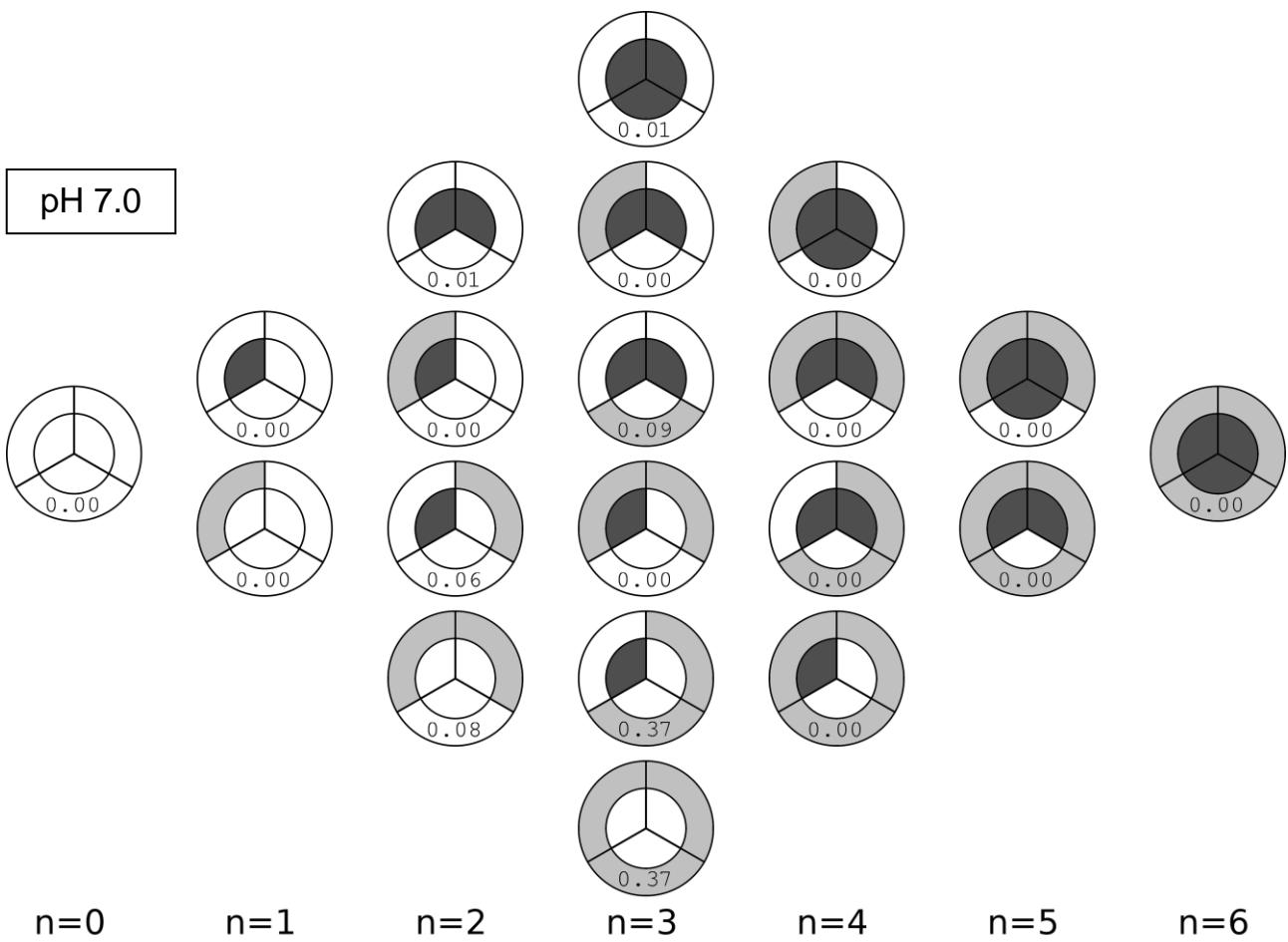
*Corresponding author

Diagrams representing the population of all microstates at all simulated pH values

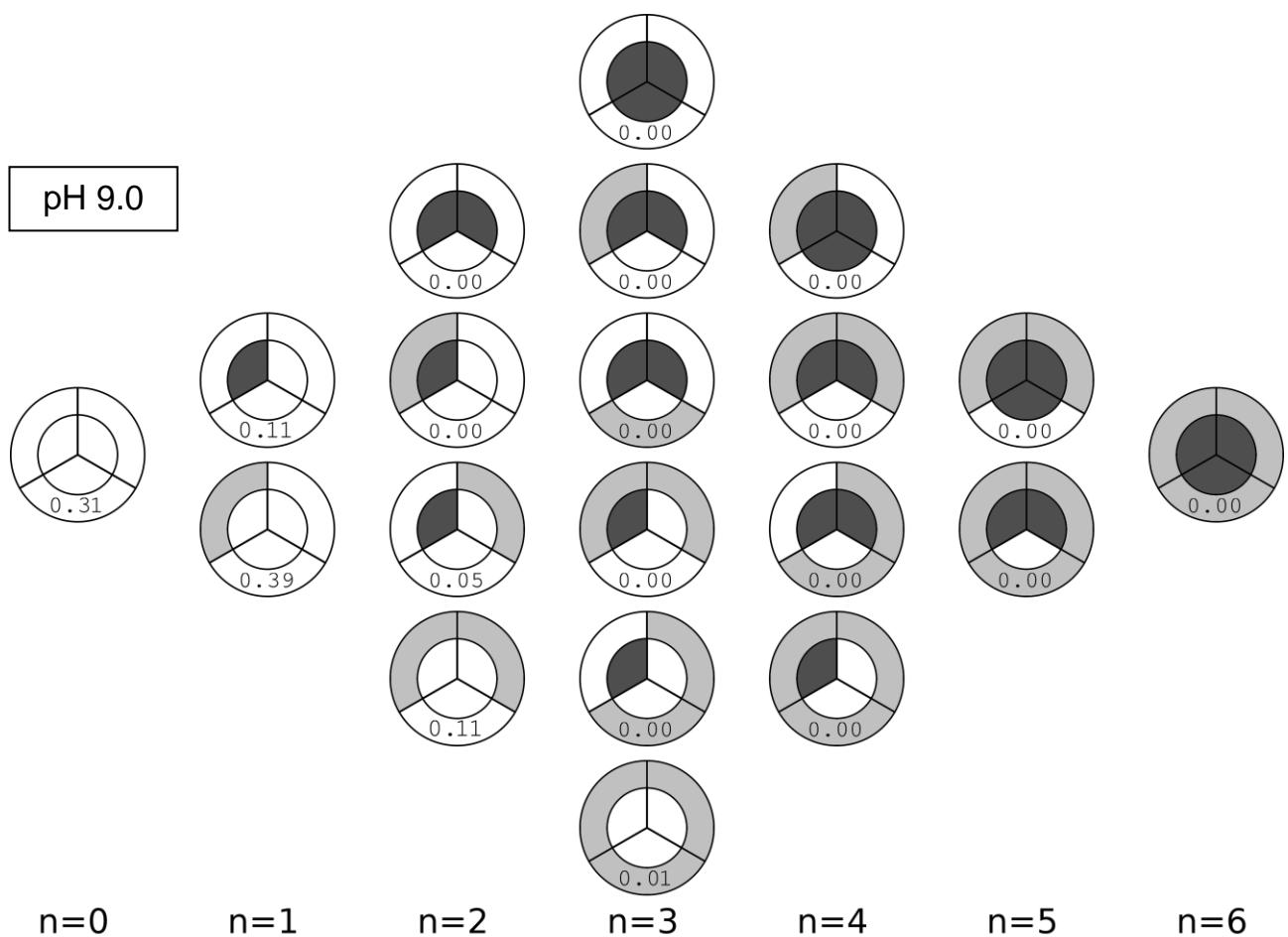




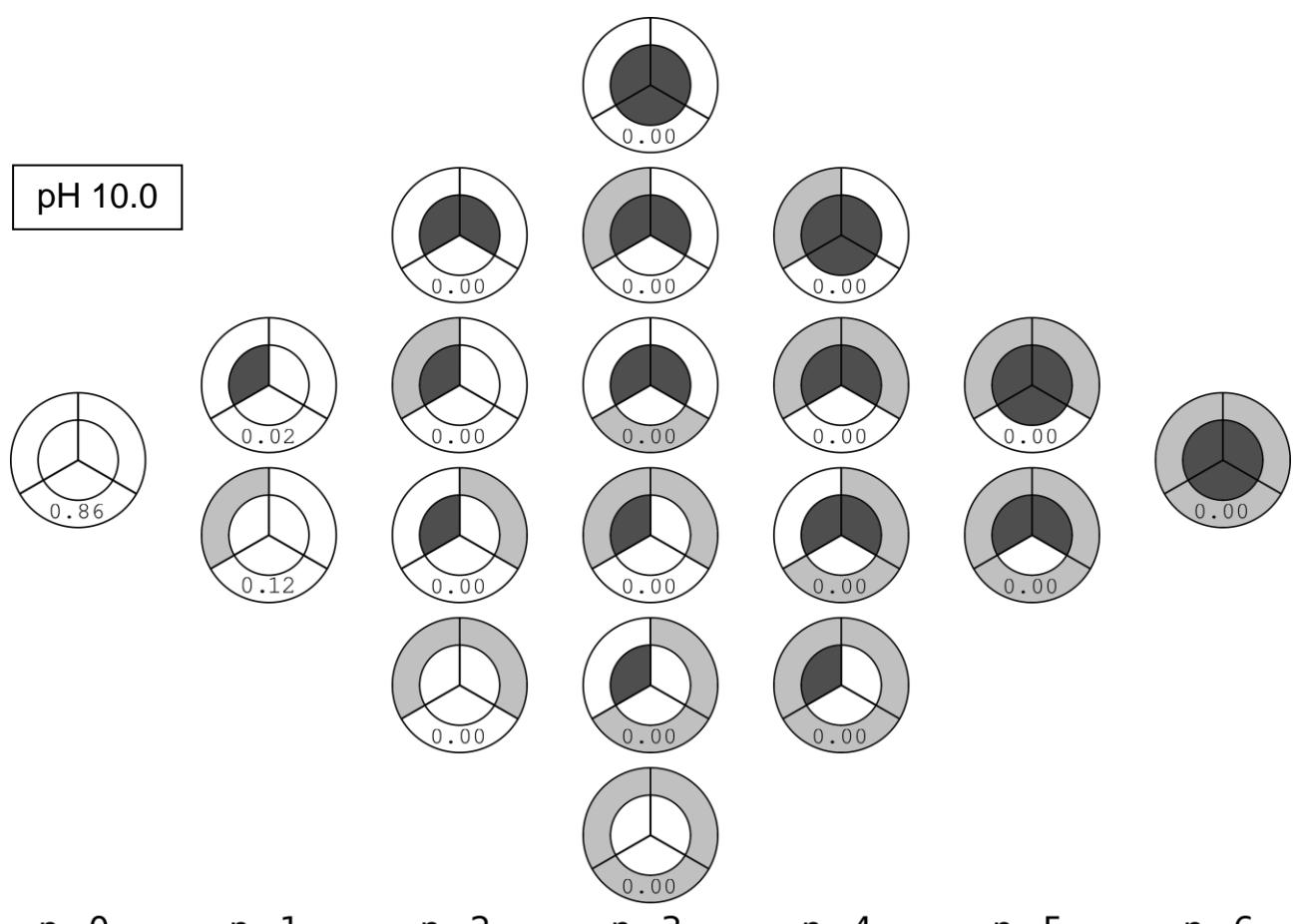




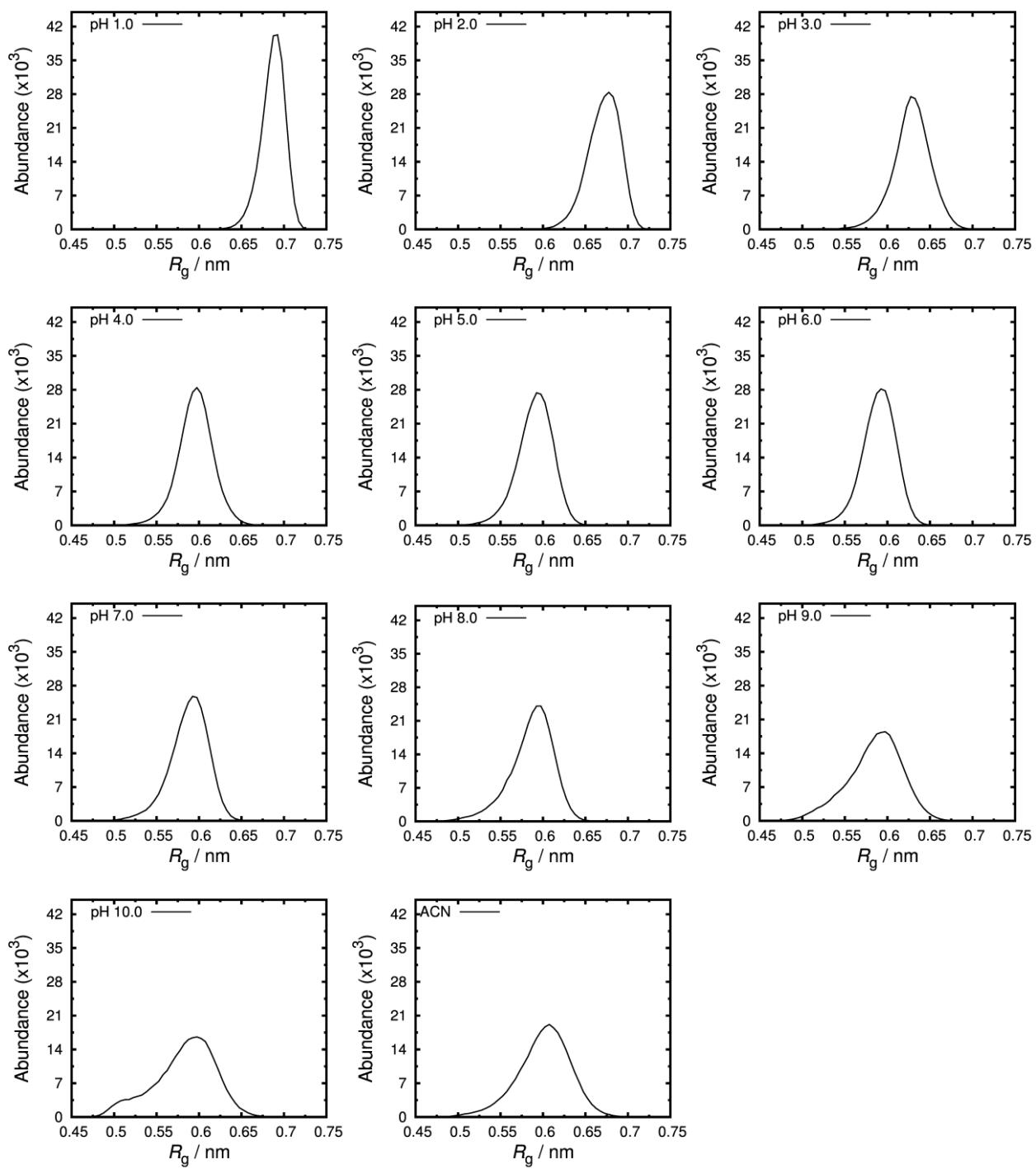
pH 9.0



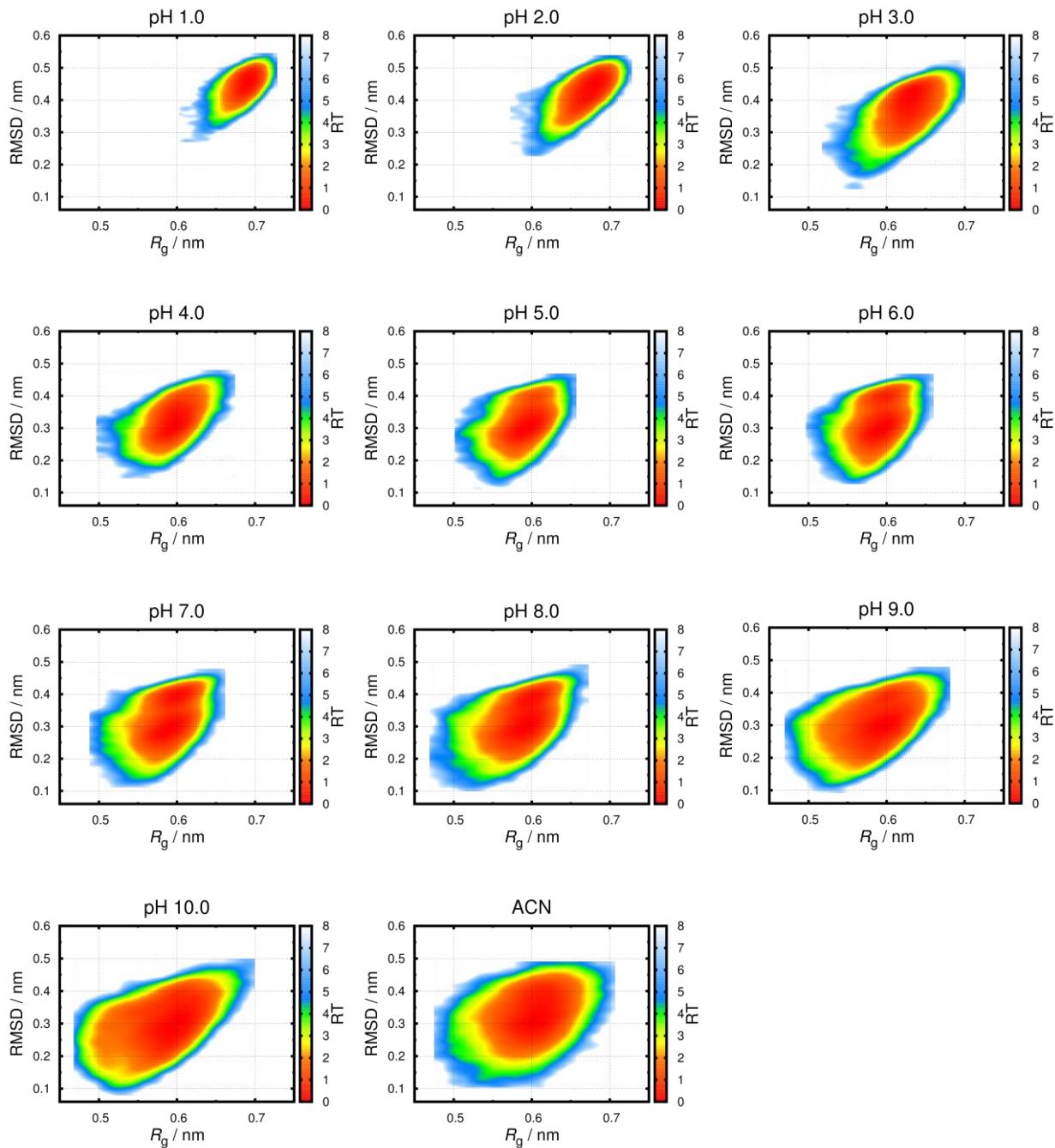
pH 10.0



**Radius of gyration (R_g) histograms for the receptor at all simulated pH values
and acetonitrile (ACN)**



**Free energy profiles for the receptor at all simulated pH values and ACN
using RMSD and R_g as structural coordinates**



Schematic representation of the position of the arms of the receptor. Position of nitrogen atoms of the pyrrolic rings relatively to the phenyl ring in 900 conformations at all simulated pH values and ACN.

