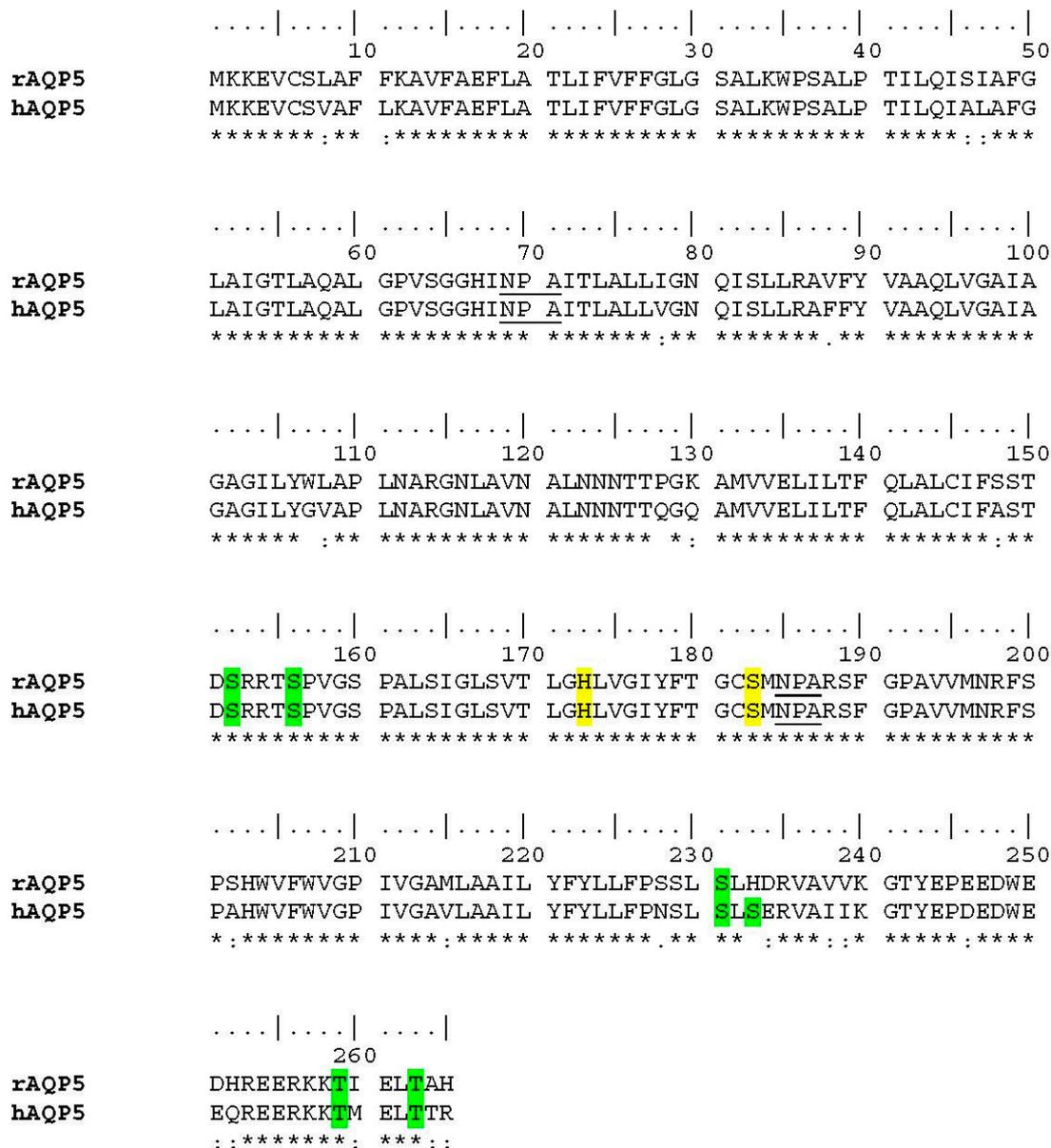


# Supplementary Materials: Rat Aquaporin-5 Is pH-Gated Induced by Phosphorylation and Is Implicated in Oxidative Stress

Claudia Rodrigues, Andreia Filipa Mósca, Ana Paula Martins, Tatiana Nobre, Catarina Prista, Fernando Antunes, Ana Cipak Gasparovic and Graça Soveral



**Figure S1.** Sequence alignment of the full-length amino acid sequences of *Rattus norvegicus* AQP5 and human AQP5. The alignment was generated with CLUSTAL W (using BioEdit software). The amount of conservation of each amino acid is represented by symbols ('\*', exact match in all sequences; ':', conserved substitution; '.', semi-conserved substitution). The two conserved NPA signature motifs are underlined. Ser152, S156, Ser231, Ser233, Thr242, Thr259 and Thr263 (colored green) are consensus phosphorylation sites of hAQP5; His173 and Ser183 (colored yellow) are the residues involved in the switch between narrow and wide conformations in the gating mechanism of human AQP5 proposed by Janosi et al. (doi:10.1371/journal.pone.0059897).