

SUPPORTING MATERIAL
to Water Penetration Profile at the Protein-Lipid Interface in Na,K-ATPase
Membranes
by Bartucci et al.

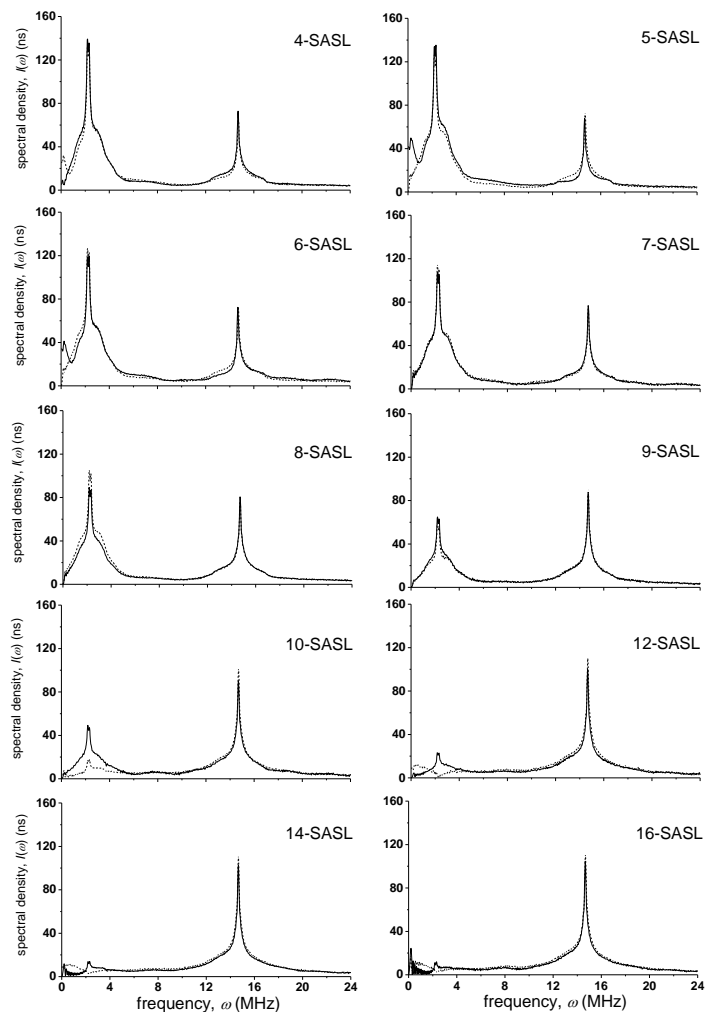


Fig. S.1. Absolute-value Fourier-transform ESEEM spectra of stearic acid (n -SASL), spin-labelled at the C- n position, in native Na,K-ATPase membranes from *Squalus acanthias* (solid lines) or in bilayer membranes of the extracted membrane lipids (dashed lines) dispersed in D₂O-buffer at pH 8.9.

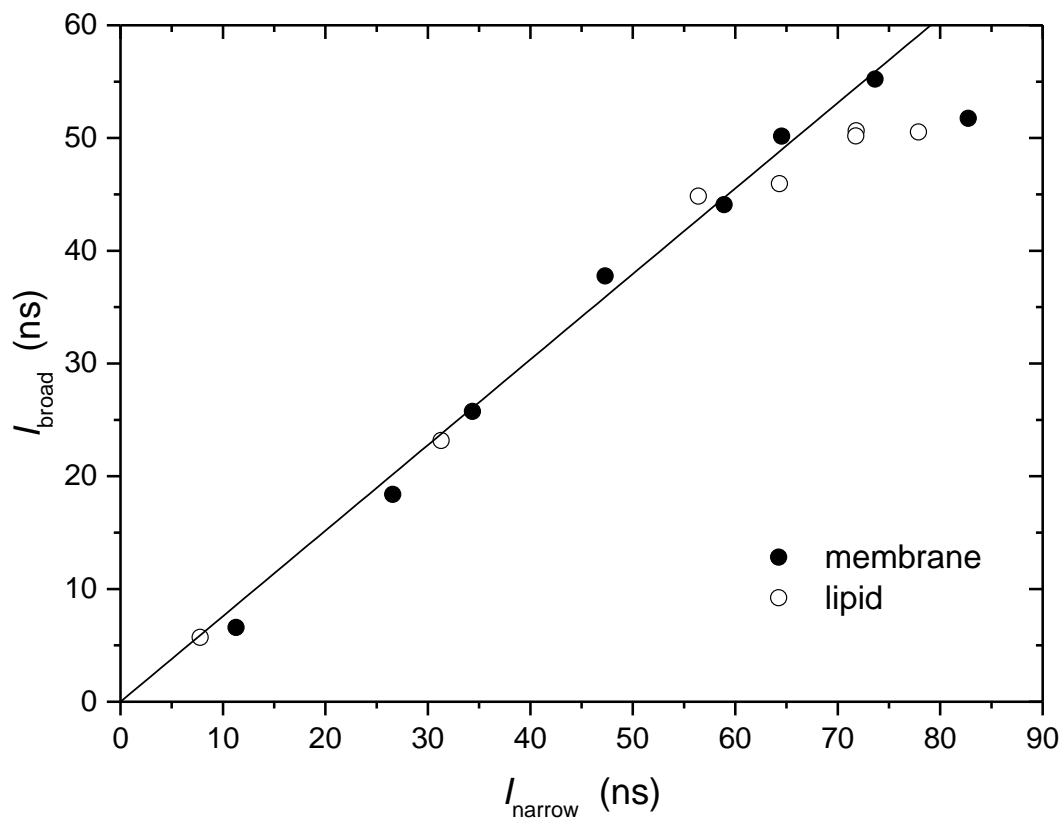


Fig. S.2. Dependence of the intensity of the broad component, I_{broad} , on that of the narrow component, I_{narrow} , in the D_2O -ESEEM spectra of n -SASL spin-labelled stearic acid at pH 8.9, in Na,K-ATPase membranes (solid circles) and extracted lipids (open circles). Solid line is a linear regression to the membrane data, omitting the last point. The broad component is from D_2O directly H-bonded to the nitroxide, and the narrow component from slightly more remote 2H -nuclei.