15. Güler, A.D. et al. Heat-evoked activation of the ion channel, TRPV4. J. Neurosci. **22**. 6408–6414 (2002). 16. Stanley, S. Biological nanoparticles and their influence on organisms. Curr. Opin. Biotechnol. 28, 69-74 (2014). 17. lordanova, B., Robison, C.S. & Ahrens, E.T. Design and characterization of a chimeric ferritin with enhanced iron loading and transverse NMR relaxation rate. J. Biol. Inorg. Chem. 15, 957-965 (2010).

18. Lei, L. et al. A TRPV4 channel C-terminal folding recognition domain critical for

trafficking and function. J. Biol. Chem. 288, 10427–10439 (2013).

14. Liedtke, W. et al. Vanilloid receptor-related osmotically activated channel (VR-OAC).

a candidate vertebrate osmoreceptor. Cell 103, 525-535 (2000).