Additional figure 1: The conformations of orexin-A (cyan) and orexin-B (pink) in aqueous solution. Takai and co-workers reported 30 models of the orexin-A structure [1], which can be divided into two distinct groups; those in bent conformation (25/30, left in the figure) and those in straight conformation (5/30, middle). Orexin-B adopts a bent conformation different from the conformation seen in orexin-A [2]. These conformations differ in the hinge region, leading to different number of hydrogen bond acceptor exposed to solvent (arrows).
References:
