



Structural characterization of the PKD2 channel in alga. A) an atlas of alga PKD2 channel grid. B) a representative micrograph of alga PKD2 channel. C-E) a 4-angstrom map of alga PKD2 channel viewed from inside the cell (C), or from the membrane (D and E). Note, when the map is examined at a lower threshold (E), the large antennae-like extracellular domain is visible. The belt-shaped density represents detergent micelles that surrounds the transmembrane domain composed of a total of 24 helices (see panel D).