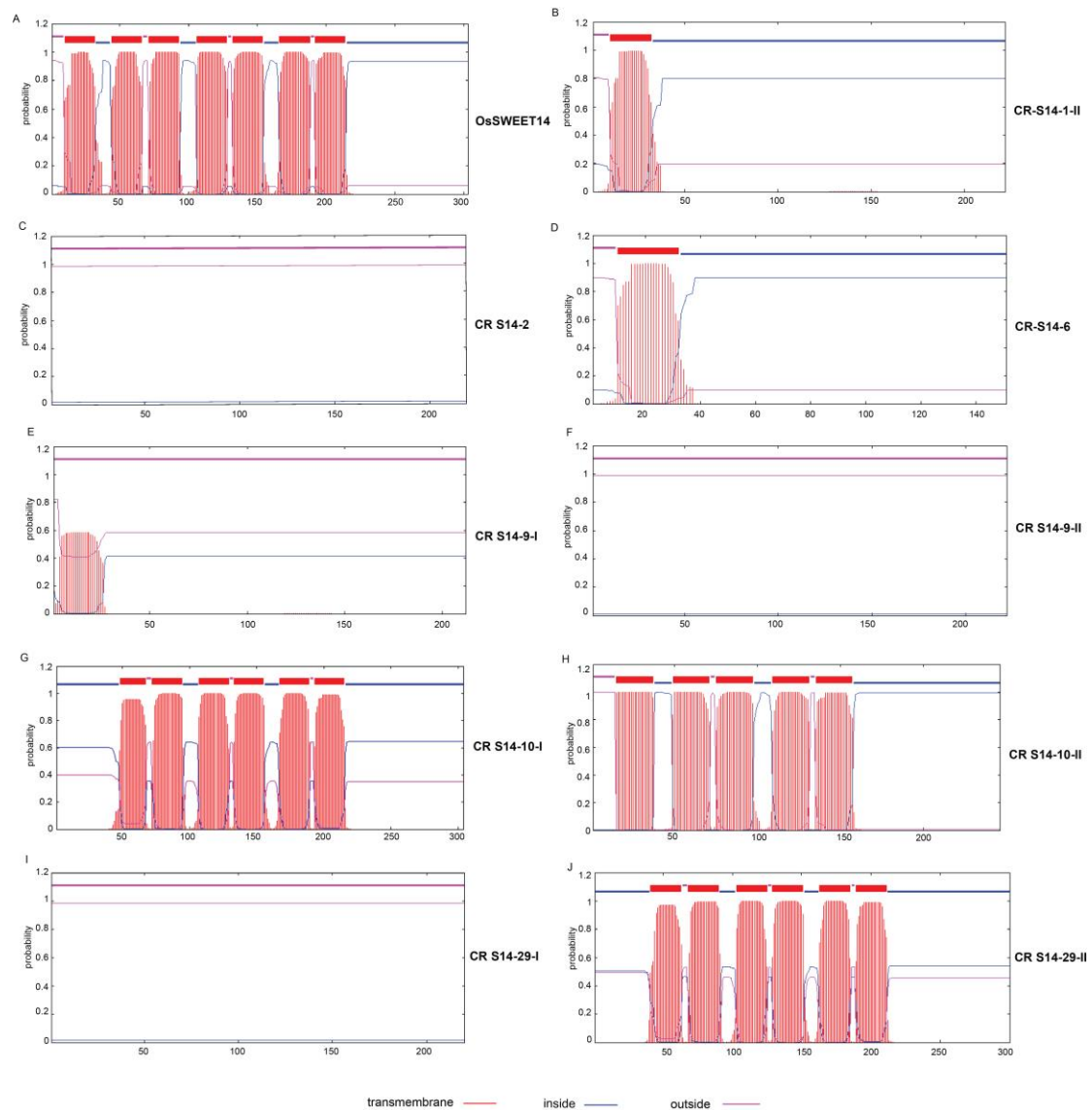




Additional file 2 Prediction of transmembrane helices in OsSWEET14 and modified OsSWEET14. (A) OsSWEET14 contains seven helices, (B) CR-S14-1-II, (C) CR-S14-2, (D) CR-S14-6, (E) CR-S14-9-I, (F) CR-S14-9-II and (I) CR-S14-29-I are frameshift mutants and have no or only one transmembrane helix, (G) CR-S14-10-I, (H) CR-S14-10-II and (J) CR-S14-29-II are in-frame mutant that contain five or six transmembrane helices. The transmembrane helices were predicted by the TMHMM2.0 program (<http://www.cbs.dtu.dk/services/TMHMM/>).