

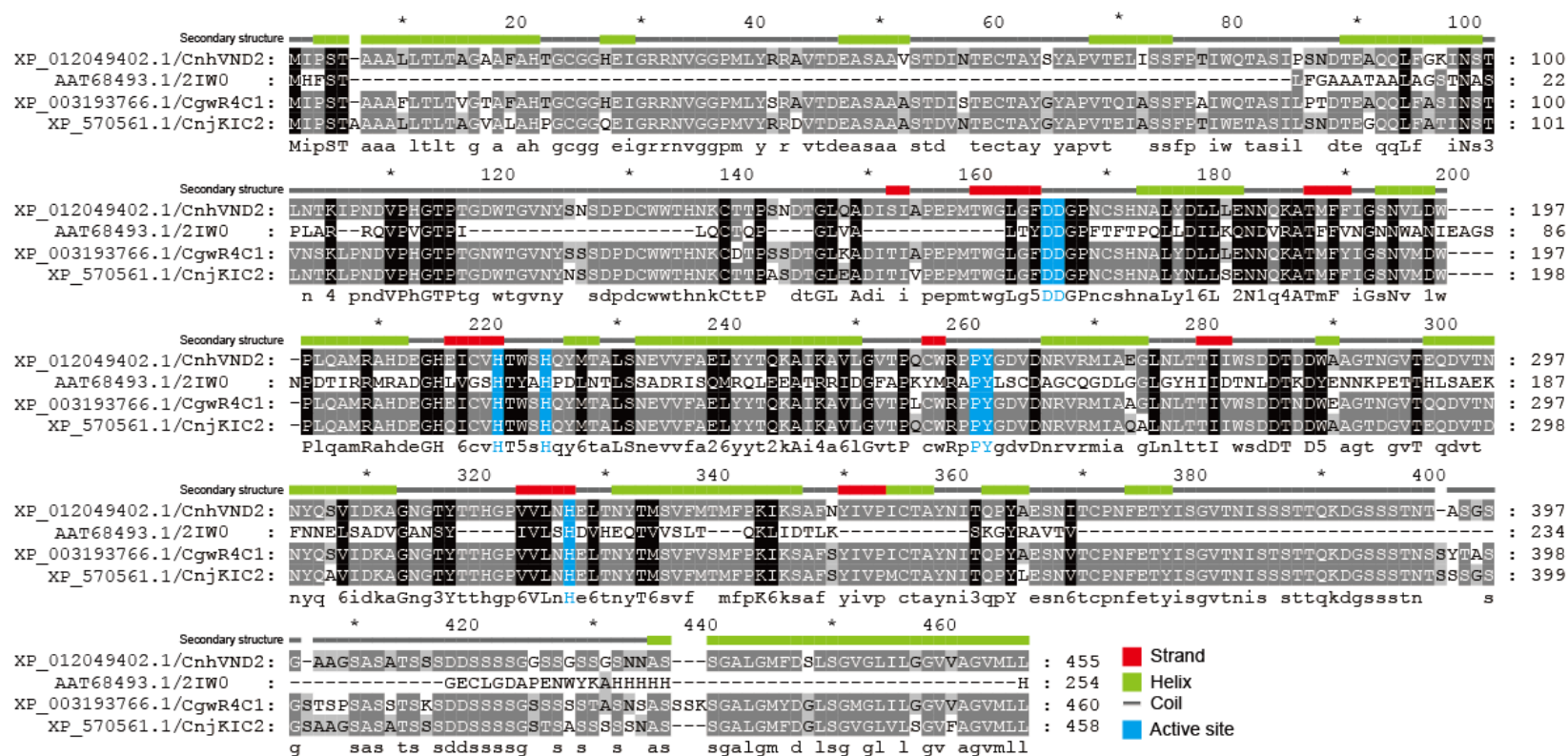


Figure S1. Secondary structure prediction and protein alignment. This alignment is made from 2IW0 (PDB, template) and group 4 proteins included Cda2. CnhVND2 (Cda2, XP_012049402.1), which is a query for predicting 3D structure, and 2IW0, which is a template name for modeling in Fig. 4, are shown. Cgwr4C1 (XP_003193766.1), and CnjKIC2 (XP_570561.1), are group 4 proteins besides Cda2. For the secondary structure prediction by PSIPRED (ver. 4.0) (Buchan and Jones, 2019), the gray small square, light green square, and red square indicate the coils, helices, and strands, respectively. The cyan shade indicates an active site.