

Supplementary Information:

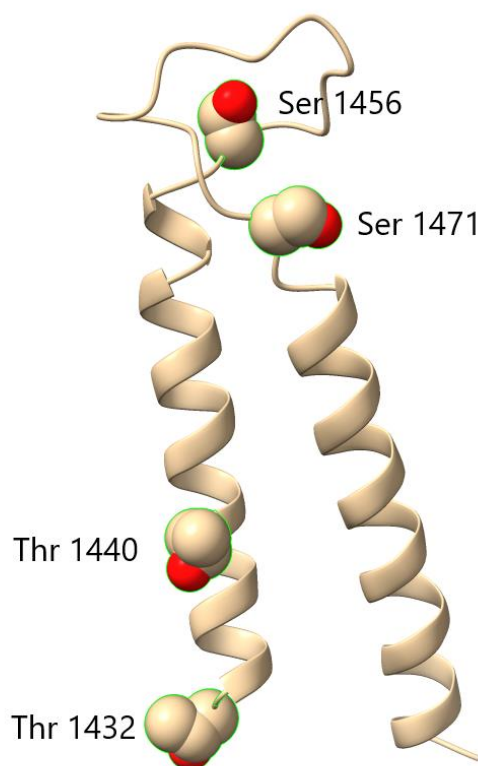


Fig. S2: DIDO1 segment 3D model. 3D model of segment 1428 to 1497 from DIDO1 generated by Swiss-Model server is shown as a ribbon diagram. Thr1432, Thr1440, Ser1456 and Ser1471 are labeled and their atoms shown as spheres.