

F. SATO LAB.

Innovative Simulation of Bio and Nano Molecules

Center for Research on Innovative Simulation Software
Department of Mechanical and Biofunctional Systems

Computational Biomolecular Science

<http://www.satolab.iis.u-tokyo.ac.jp/>
<http://www.ciss.iis.u-tokyo.ac.jp/>

Department of Mechanical Engineering, Graduate School of Engineering



Protein Design

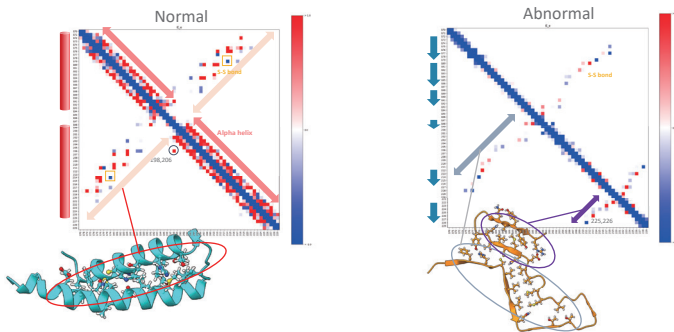
Using Quantum Chemical Calculation



Our group has been developing the quantum chemical calculation software "ProteinDF/QCLObot" which can calculate **all canonical molecular orbitals of proteins**.

<https://proteindf.github.io/>

We are using this software to analyze and design the electronic structure proteins.



Energy Density Analysis of Normal and Abnormal Prions



Textbooks (in Japanese)

