MS055.P07

Searching and viewing hybrid structure data

Hirofumi Suzuki[1], Gert-Jan Bekker[1], Takeshi Kawabata[1], Genji Kurisu[1], Haruki Nakamura[1]

[1]*PDBj, IPR, Osaka-Univ., Suita, Japan*
E-mail: hirofumi@protein.osaka-u.ac.jp

Recent innovation in structure analysis methods, especially in cryo-EM, increase many values of structure data. Increasing data in different data types (atomic model, density map, or dummy-atom model) are stored in the various structure databanks, such as EMDB, PDB and SASBDB. Their scales are widening from molecules to cells. Typical search and browse systems are designed for a particular data type in a particular database. We have been developed web based services for EMDB, PDB and SASBDB data. EM Navigator is a browser for 3DEM data. Omokage search provide a shape similarity search. Yorodumi integrates structure viewers and the metadata. Recently, we have reformed these services in a unified and modern interface supporting PCs and mobile devices.

Keywords: PDB and EMDB, database, structure search