

Supplemental References

DeLano W.L.: The PyMOL Molecular Graphics System (San Carlos, CA: DeLano Scientific)

Suga M., Akita F., Hirata K. *et al.*: Native structure of Photosystem II at 1.95 Å resolution viewed by femtosecond X-ray pulses. – Nature **517**: 99-103, 2015.

Suga M., Akita F., Sugahara M. *et al.*: Light-induced structural changes and the site of O = O bond formation in PSII caught by XFEL. – Nature **543**:131-135, 2017.