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Citing Zebra3D

If you find the Zebra3D+Mustguseal tool or its results useful please cite:

Timonina D., Sharapova Y., Švedas V., Suplatov D. (2021) **Bioinformatic analysis of subfamily-specific regions in 3D-structures of homologs to study functional diversity and conformational plasticity in protein superfamilies.** *Comput. Struct. Biotechnol. J.*, DOI: [10.1016/j.csbj.2021.02.005](https://doi.org/10.1016/j.csbj.2021.02.005)

Suplatov D.A., Kopylov K.E., Popova N.N., Voevodin V.V., Švedas V.K. (2018) **Mustguseal: a Server for Multiple Structure-Guided Sequence Alignment of Protein Families.** *Bioinformatics*, 34(9), 1583-1585. DOI: [10.1093/bioinformatics/btx831](https://doi.org/10.1093/bioinformatics/btx831).

Please also cite the work of third-party contributors, whose programs and algorithms are currently implemented in the Zebra web-server:

The **PyMol** program is implemented to compile the binary PSE session with the annotated representative structure:
PyMol: A molecular visualization system. <http://pymol.org/>, Copyright (C) Schrodinger, LLC