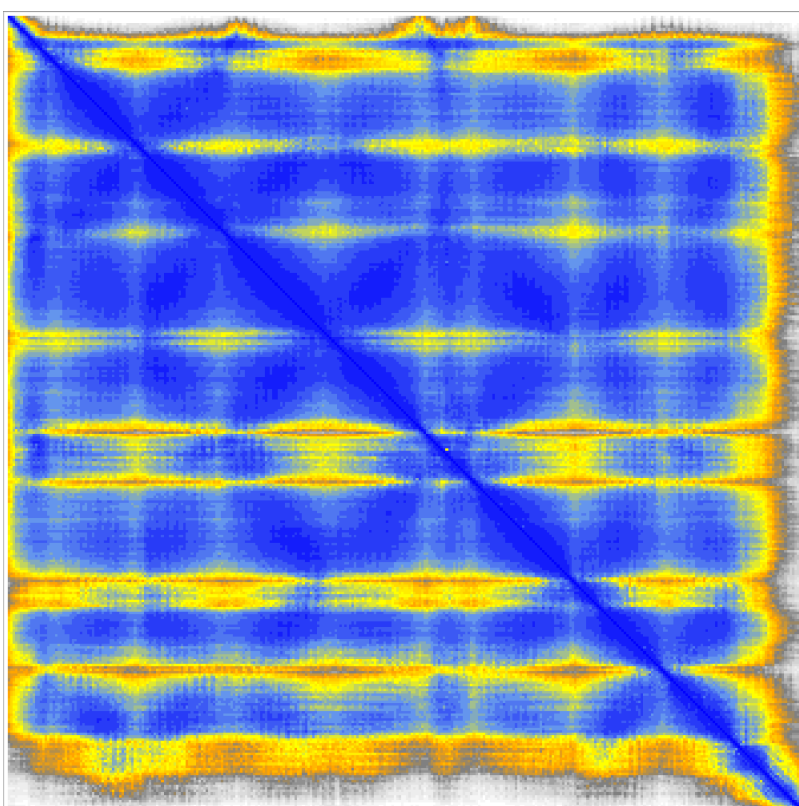


## Save an image of an AlphaFold predicted aligned error plot

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There is a “Save image” menu entry on ChimeraX PAE plots but there is no equivalent command to save that image. James Proctor [asked](#) for a command so he can script saving 1000 images. Here is some Python code [savepaeplot.py](#) that defines a savepaeplot command. Open this file in ChimeraX to define the command, and open an AlphaFold predicted structure and PAE plot and then save the image. Here is an example

```
open savepaeplot.py
open Q9H255 from alphafold
alphafold pae #1 uniprotId Q9H255
savepaeplot #1 Q9H255_pae.png
```



Here is the [savepaeplot.py](#) code:

```
def save_pae_plot(session, structure, path):
    from chimerax.alphafold.pae import AlphaFoldPAEPlot
    for tool in session.tools.list():
        if isinstance(tool, AlphaFoldPAEPlot) and tool._pae.structure is structure:
            tool._pae_view.save_image(path)

def register_command(logger):
    from chimerax.core.commands import CmdDesc, register, SaveFileNameArg
    from chimerax.atomic import StructureArg
    desc = CmdDesc(
        required = [('structure', StructureArg),
                    ('path', SaveFileNameArg)],
        synopsis = 'Save an image of a PAE plot'
    )
    register('savepaeplot', desc, save_pae_plot, logger=logger)

register_command(session.logger)
```