**a)**A description...**b)**A description...

**a)** The full model of outer membrane protein FecA. **b) A partial model of FecA, including only the β-strands, with the hatch domain and loops removed. Energy calculations on partial models like this one return high energies for strands that contact elements of the native structure that were left out of the model, such as the hatch domain in this protain, or other barrels in a permanent oligomer.**