Teiresias
$$8/8/2$$

$$C_i^{8/8/2}$$

Masking
$$S_0|_{\mathbf{m}-8/8/2}$$

Teiresias $6/15/2$

$$C_0|_{\mathbf{m}-8/8/2}^{6/15/2}$$

$$\phi = C_i^{8/8/2} \cup C_0|_{\mathbf{m}-8/8/2}^{6/15/2}$$

Post-processing

• Combine and process the two pattern sets to make the ϕ' set.

• Use ϕ' and S_i to find new homologous sequences in SwissProt/TrEMBL: S_{i+1}

$$S_i^T$$

Pattern matcher

• SP-Tr

FastA