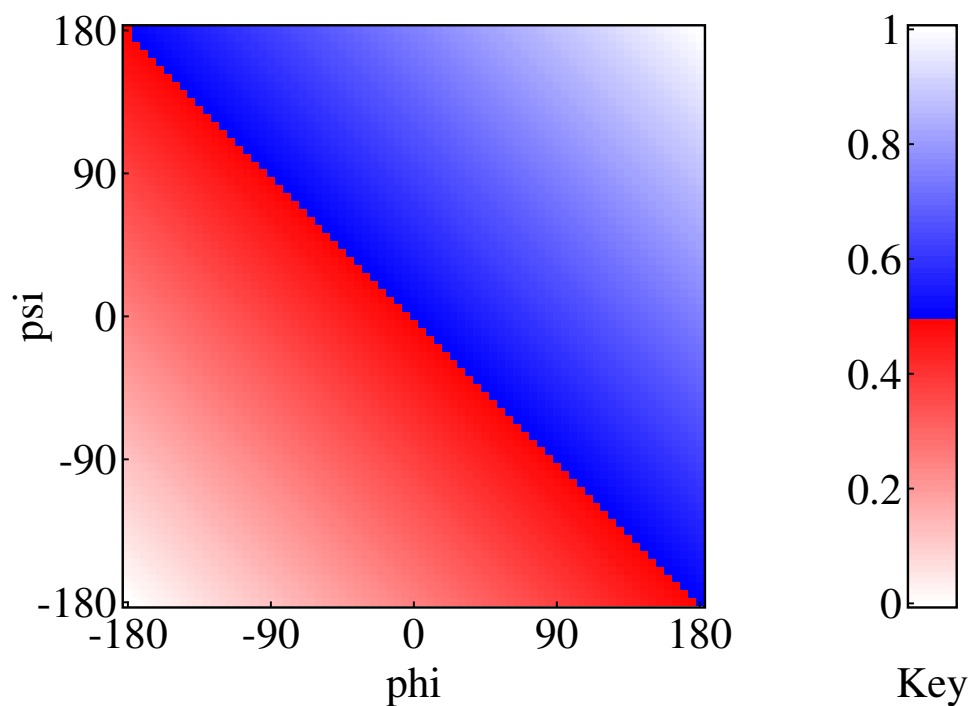


The mapping of  $(\phi, \psi) \rightarrow$  Ramachandran number  $\mathcal{R}$  and  $\mathcal{R}_s$   
 Scale: Ramachandran number  $\mathcal{R} \in [0, \dots, 1]$



Scale: *signed* Ramachandran number  $\mathcal{R}_s \in [-1, \dots, 1]$

