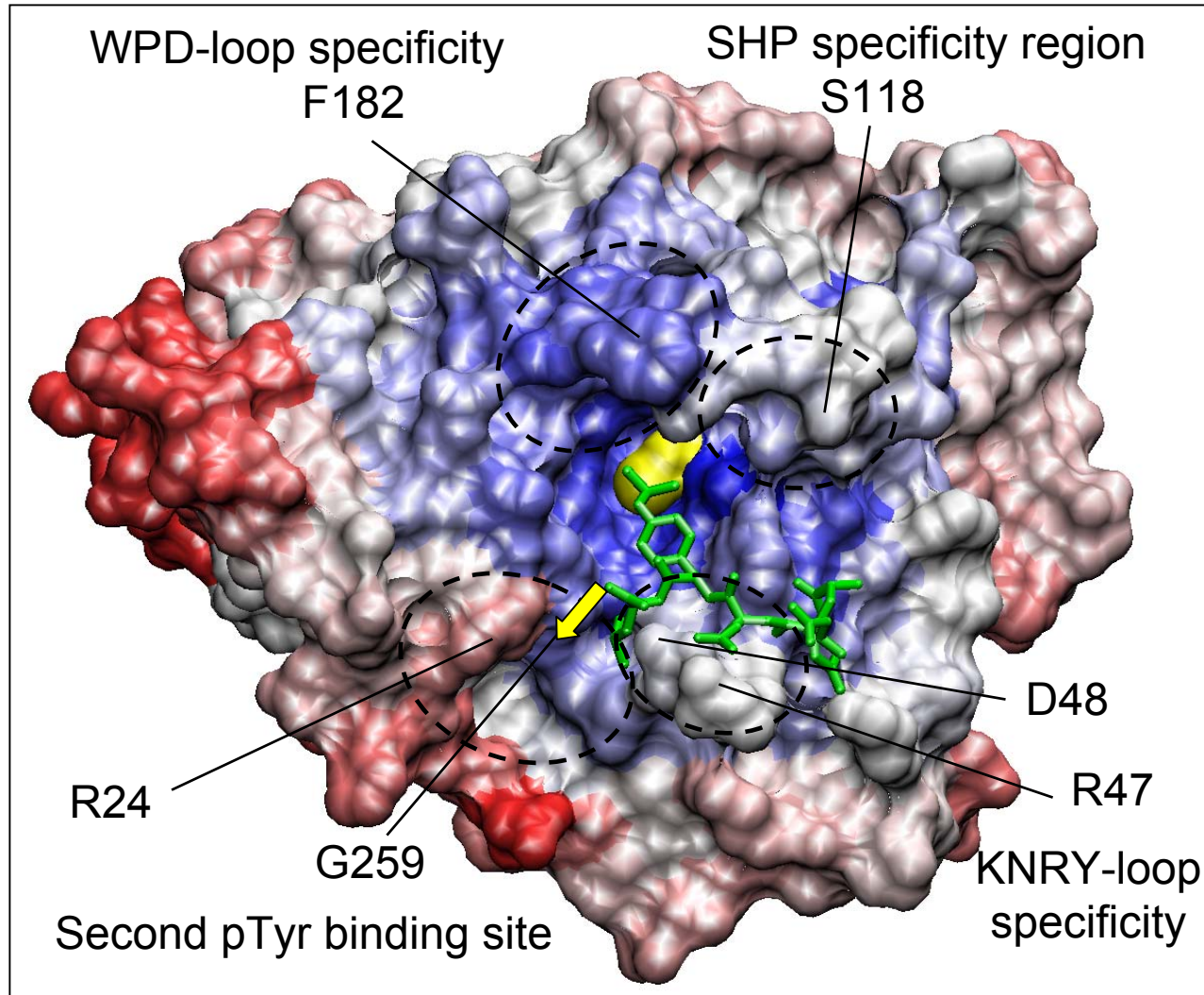


Selectivity-determining regions

Nonconserved amino acids in the proximity of the PTP active site (yellow) are involved in recognition of peptide substrates and non-peptide PTP inhibitors



The degree of conservation (blue – most conserved, red least conserved) reflects the $C\alpha$ -regiovariation score values of 37 aligned human PTP catalytic domains.