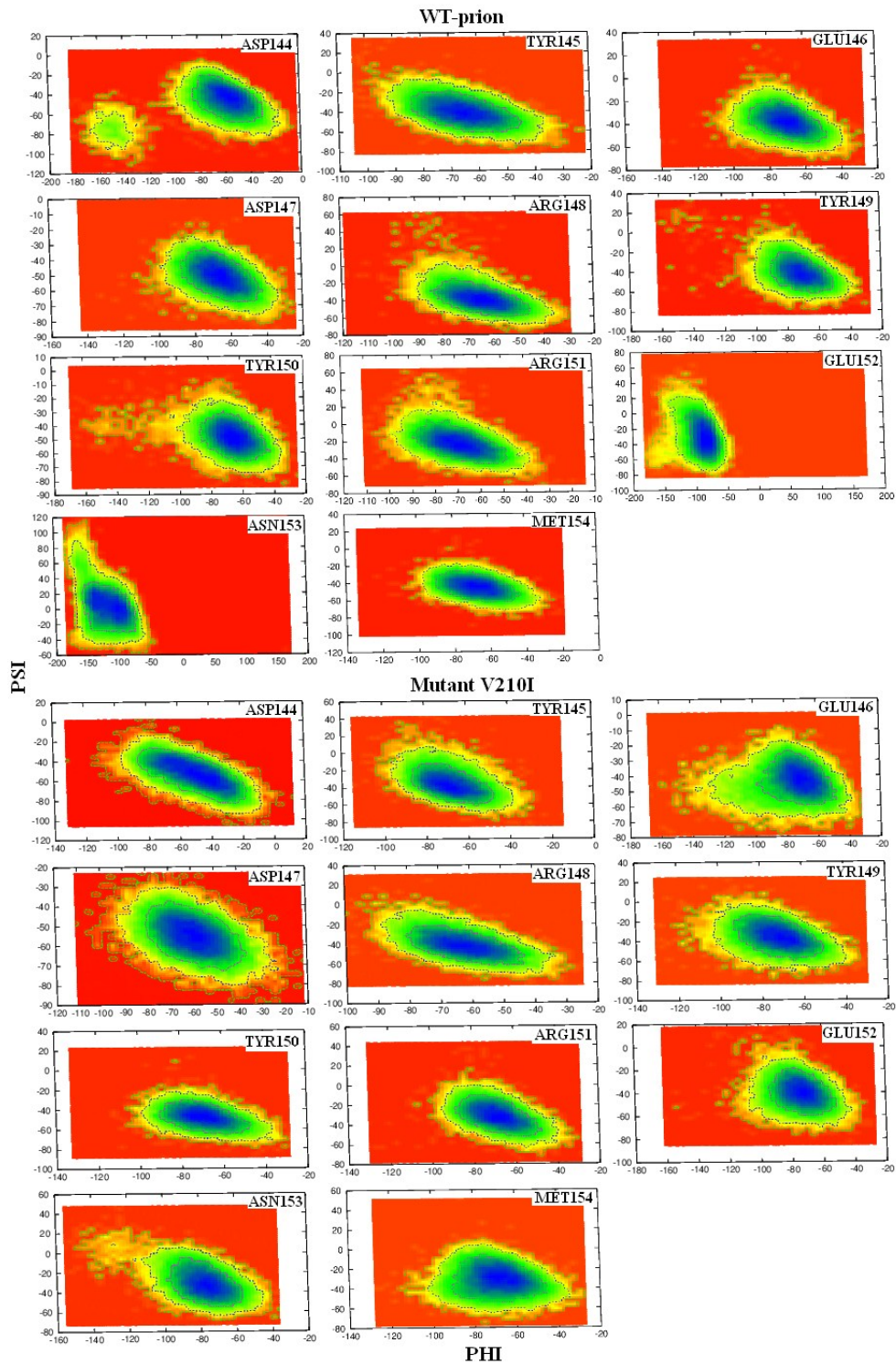
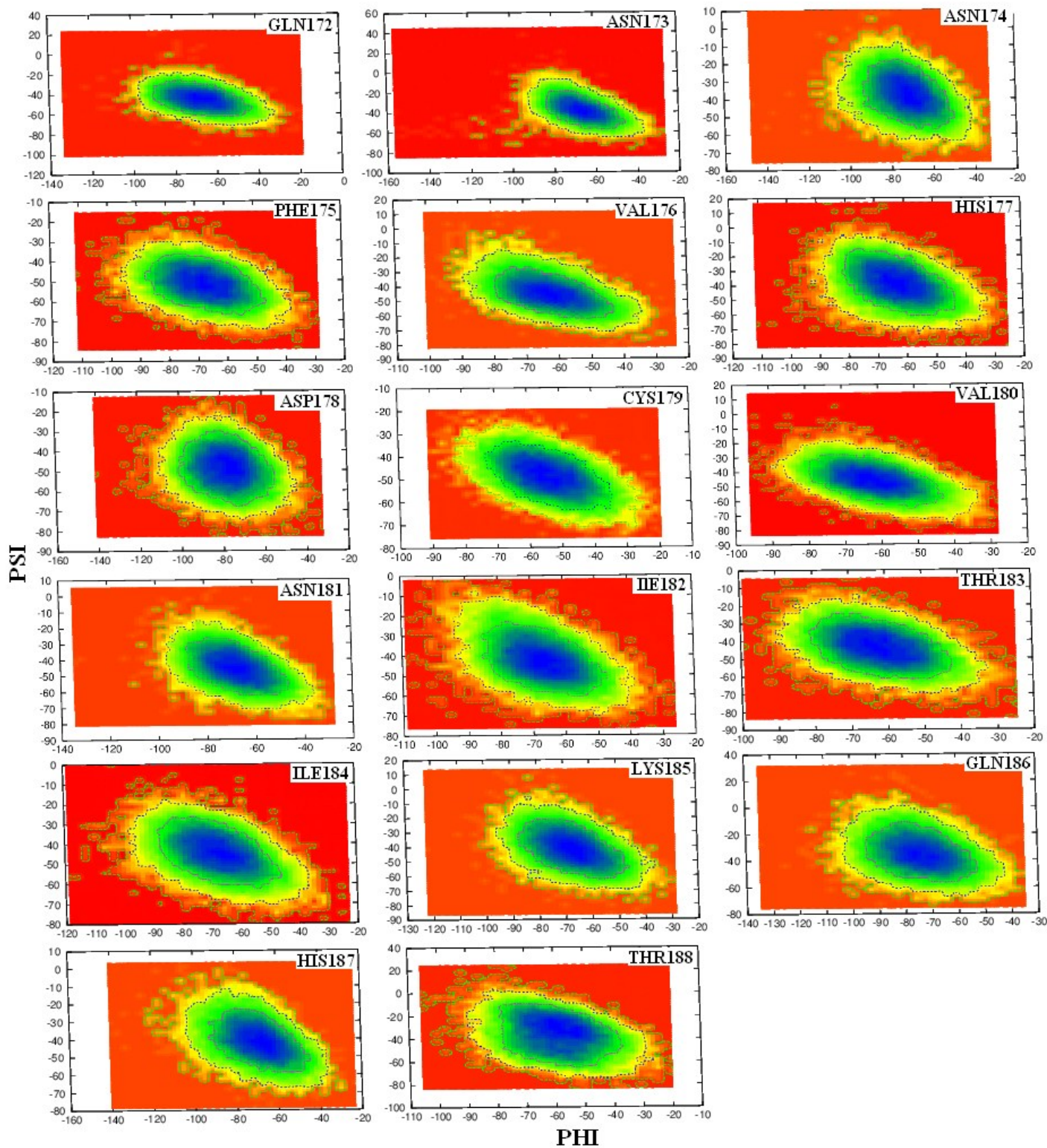


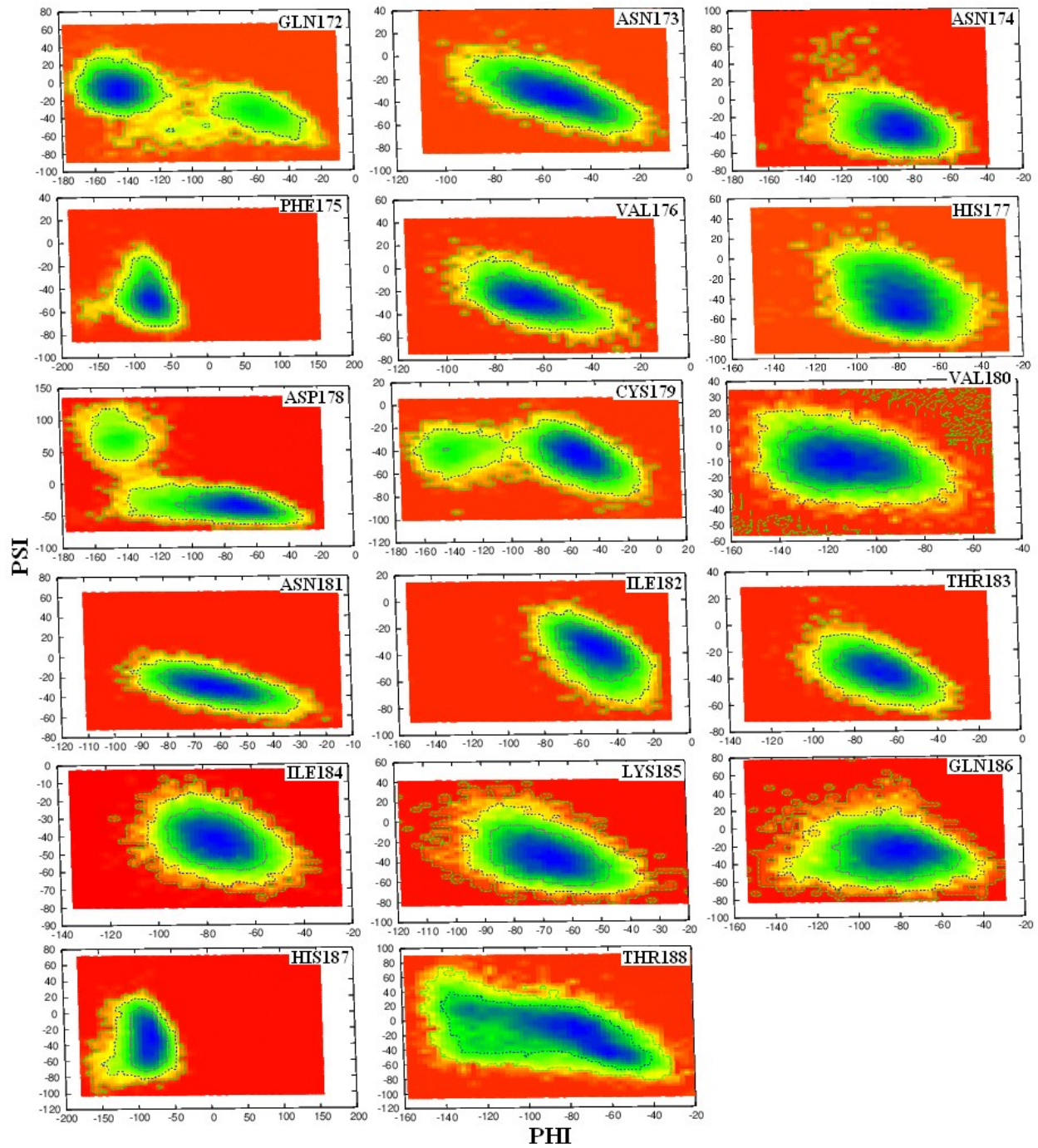
Supplementary Fig. 1 Number of residues involved in each secondary structural element in the WT-PrP (green) and its mutant (indigo) as a function of time. Total number of residues was mentioned in box.



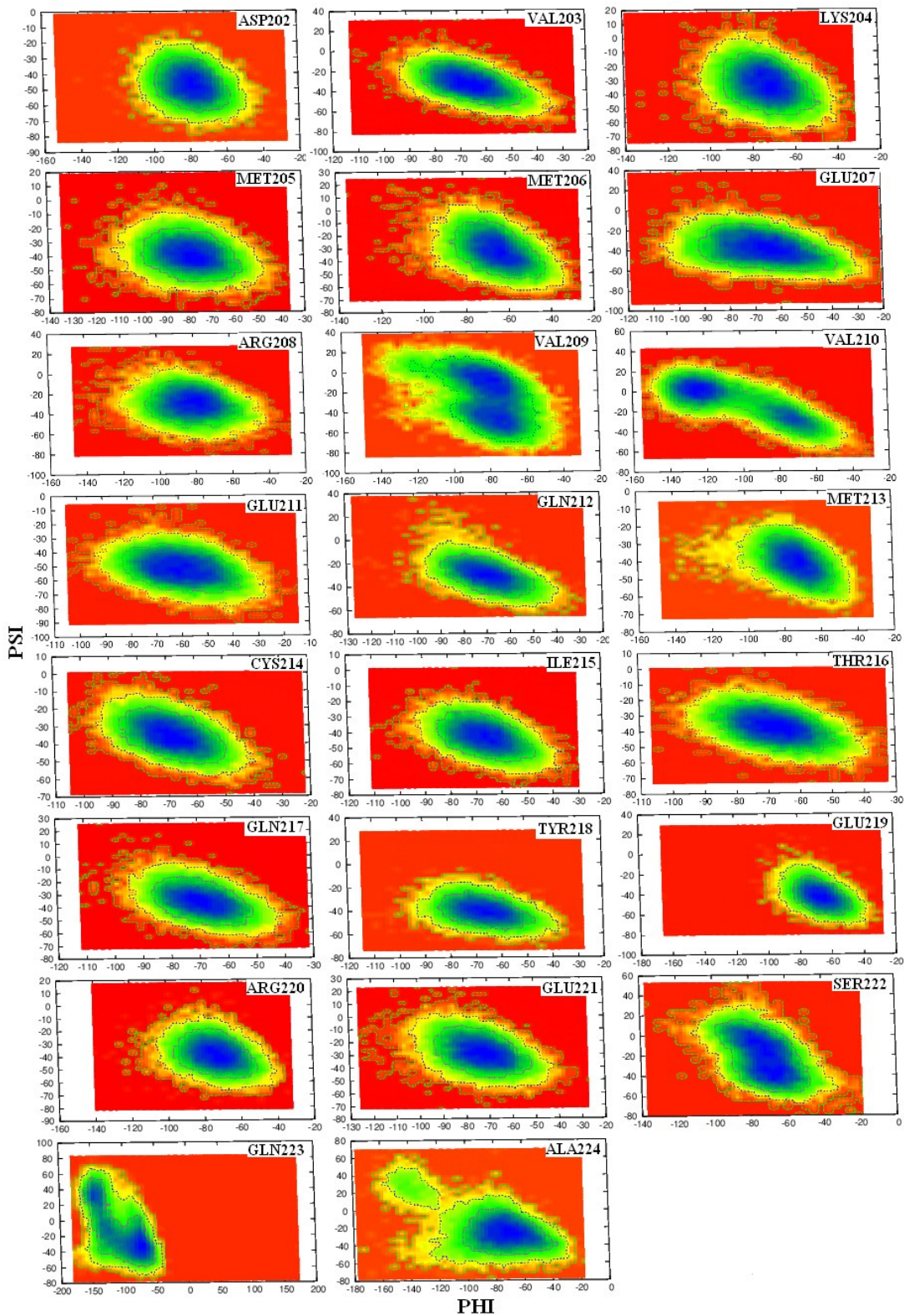
Supplementary Fig. 2 Phi and Psi angles of $\alpha 1$ residues present in the WT-PrP and its mutant.



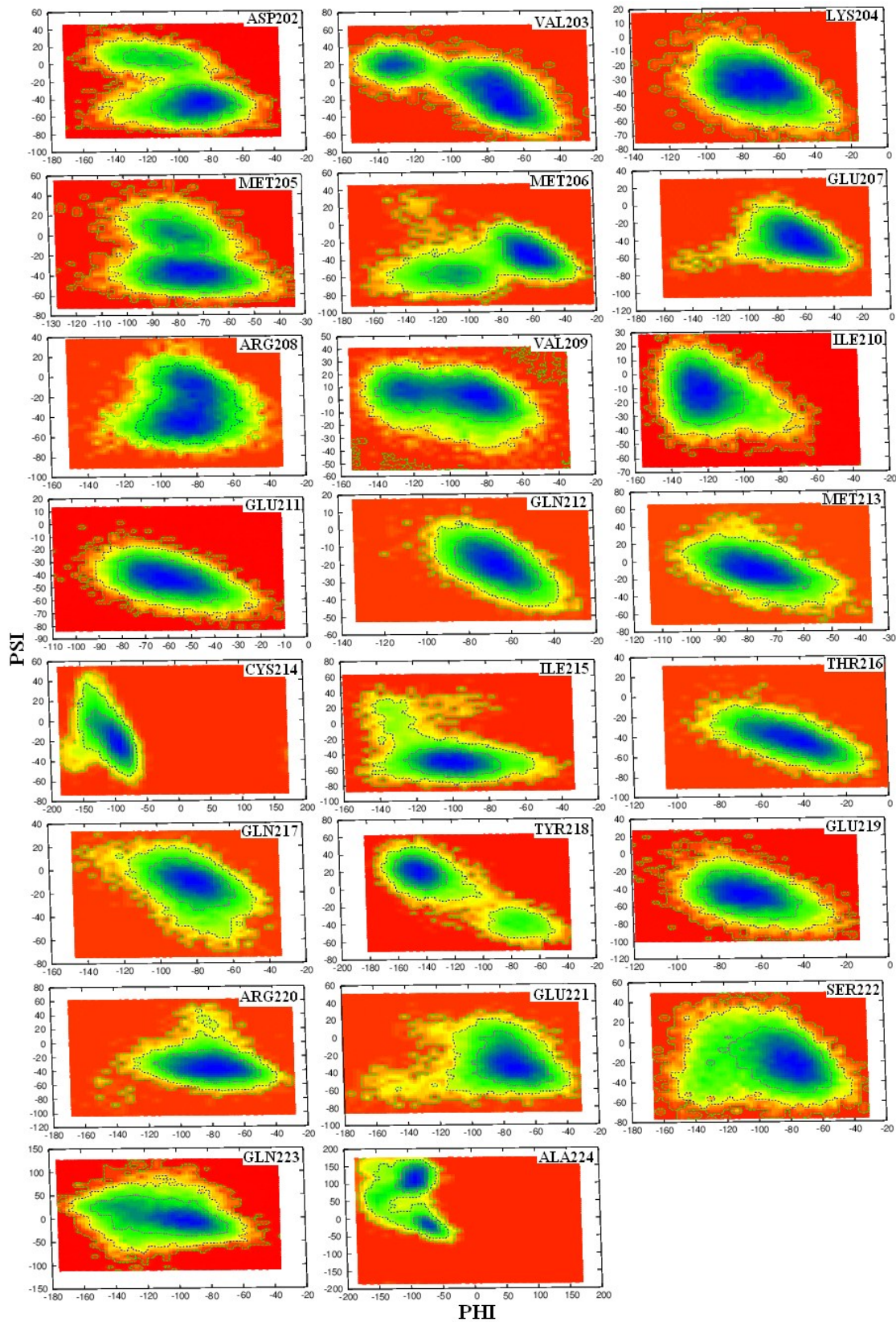
Supplementary Fig. 3 Phi and Psi angles of $\alpha 2$ residues present in the WT-PrP.



Supplementary Fig. 4 Phi and Psi angles of $\alpha 2$ residues present in the mutant V210I.



Supplementary Fig. 5 Phi and Psi angles of $\alpha 3$ residues present in the WT-PrP.



Supplementary Fig. 6 Phi and Psi angles of $\alpha 3$ residues present in the mutant V210I.