

**Sup data 6.**  $C^{PB}$  in regards to relative solvent accessibility. Following the analysis presented in sup data 5, the percentage a residue stay associated to its initial PB assignment was linked to the relative solvent accessibility (rSA). For each PB, four classes were defined to consider the association to initial PB, ranging from high (>75%, green), medium (75-50%, purple and 50%-25%, blue) to low (>25%, pink). On the left is shown the occurrences, while on the right it is the normalized to 100% for every rSA value.















