Supplementary Information

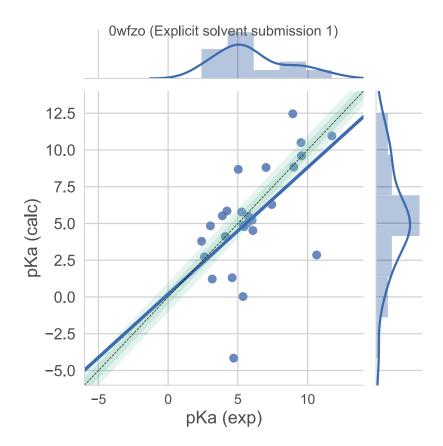


Fig. 1 Supplementary Figure. Plot of the hungarian analysis scheme and experimental pKa values. Plot courtesy of the organizers https://github.com/MobleyLab/SAMPL6/blob/master/physical_properties/pKa/analysis/analysis_of_typeI_predictions/analysis_outputs_hungarian/pKaCorrelationPlots/Owfzo.pdf

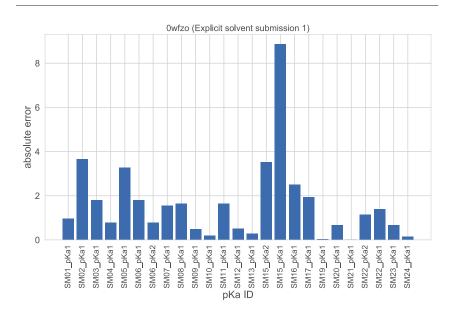


Fig. 2 Supplementary Figure. Plot of the absolute error for each macroscopic pKa being considered. Picture courtesy of the organizers https://github.com/MobleyLab/SAMPL6/blob/master/physical_properties/pKa/analysis/analysis_of_typeI_predictions/ analysis_outputs_closest/AbsoluteErrorPlots/Owfzo.pdf

Table 1 Supplementary Table. Calculated pKa and \varDelta G (kcal/mol) for all the microstate pairs considered. Attached csv file