

Figure 1S: 3D structures of the diastereomeric complexes of three AAs and 21S- β -CD

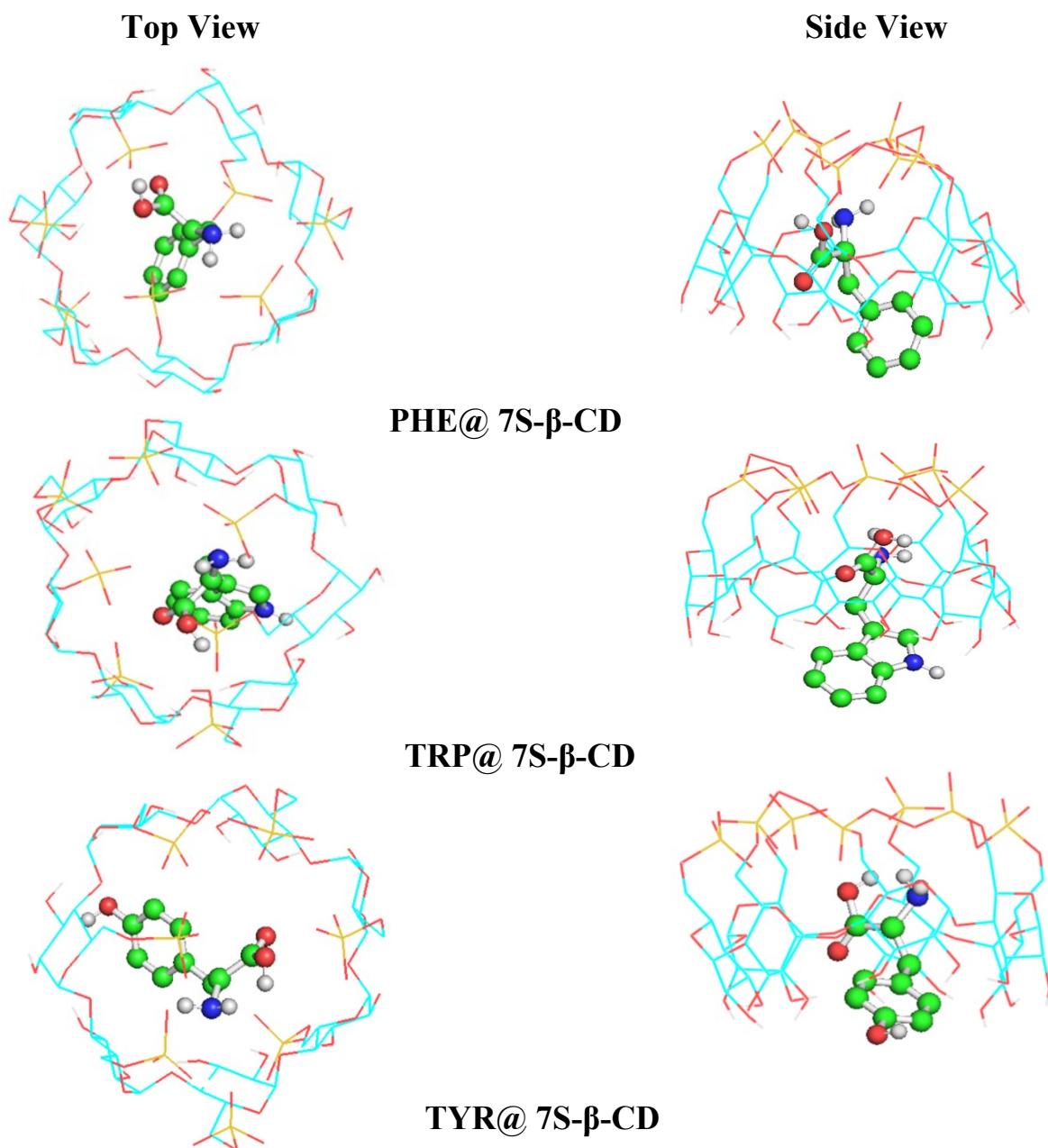


Figure 2S: Pictorial representation of diastereomeric complexes of amino acids and 7S- β -CD

Table 1S. Resolution, separation factor and Theoretical plate numbers obtained as the optimum conditions

Parameters/ analyte	Resolution (Rs)	Selectivity factor (α)	Theoretical plate numbers (N) first enantiomer
D/L-TRP	4.02	1.02	35268.84
D/L-TYR	10.5	1.10	18235.8016
D/L-PHE	4.75	1.08	16723.6624