Supporting Information

Covalent Functionalization of Bovine Serum Albumin with Graphene Quantum Dots for Stereospecific Molecular Recognition

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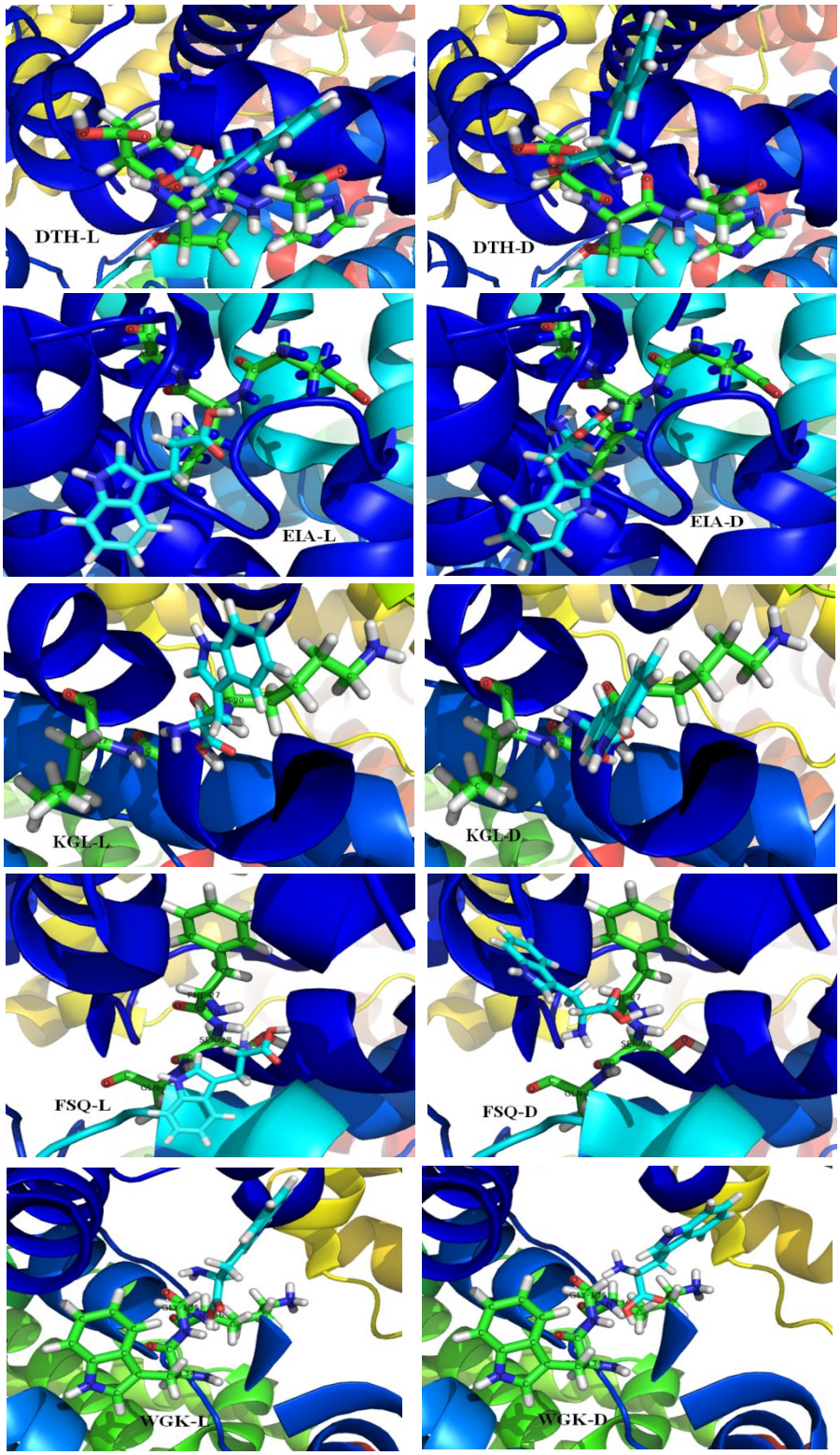
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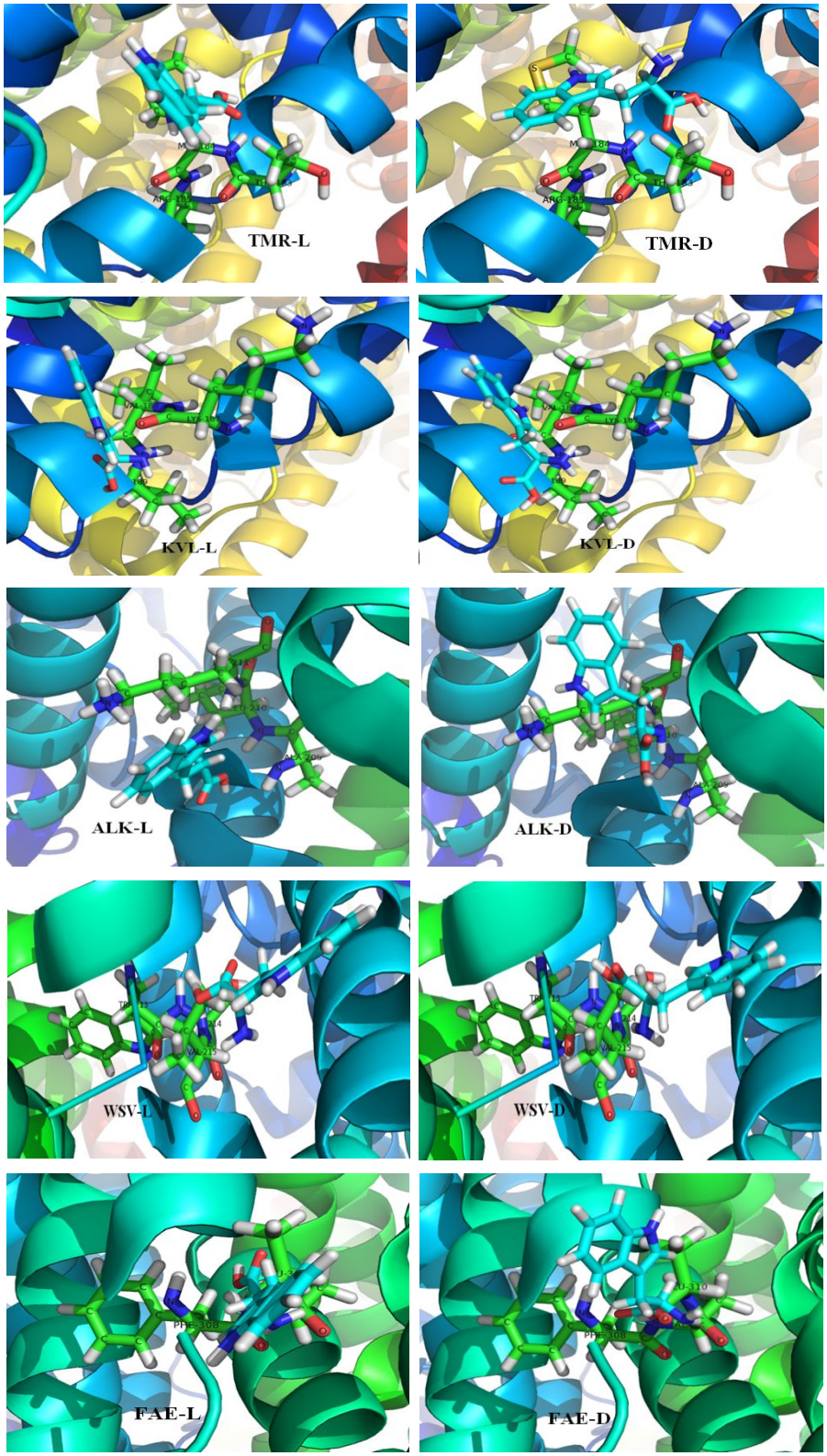
WGK-D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KVL-L
KVL-D
ALK-L
ALK-D
WSV-L
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FAE-L
FAE-D

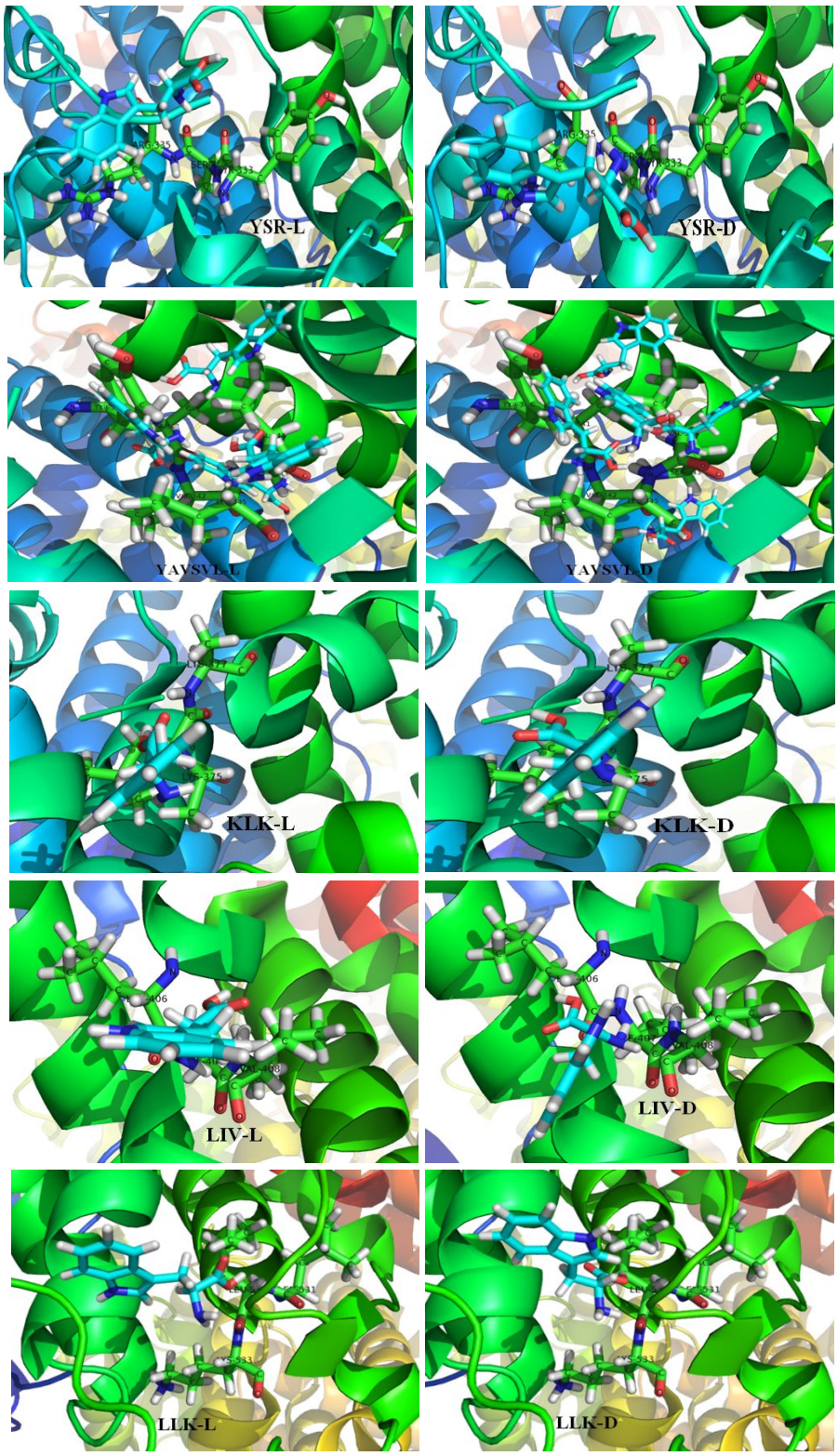

Figure S1. Schematic illustration showing the combination of Trp isomers with the fifteen segments of solvent accessible residues (DTH, EIA, KGL, FSQ, WGK, TMR, KVL, ALK, WSV, FAE, YSR, YAVSVL, KLK, LIV, LLK), in which the structure of BSA is deposited in the Protein Data Bank (PDB, code: 3V03) by using the PyMOL Molecular Graphics System.

Table S1. Water contact angle measurements on different samples (n = 5).

Number	BSA	BSA-GQDs	BSA-GQDs/L-Trp	BSA-GQDs/D-Trp
1	43.0°	35.0°	27.3°	30.8°
2	42.3°	34.6°	26.4°	30.4°
3	41.7°	34.3°	27.1°	29.6°
4	42.2°	35.9°	27.7°	29.4°
5	42.9°	34.2°	27.5°	31.0°
Average	42.4 ± 0.7°	34.8 ± 1.0°	27.3 ± 0.8°	30.2 ± 0.8°