

Figure S1. Molecular docking target protein verification. The effects of 50  $\mu$ M 5-methoxypsoralen on the expression of *CASP3*, *CCND1*, *ESR1*, *GSK3B*, *JAK2*, *NF- $\kappa$ B*, *PIK3CA*, *PTK2* and *TLR4* in (A) NCI-H1975, (B) H1299 and (C) H460 cells, assessed using reverse transcription-quantitative PCR. n=3. \*P<0.01; \*\*P<0.001; \*\*\*P<0.0001. CASP3, Caspase 3; CCND1, Cyclin D1; ESR1, estrogen receptor 1; GSK3B, glycogen synthase kinase-3 $\beta$ ; JAK2, Janus kinase 2; PIK3CA, phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit  $\alpha$ ; PTK2, protein tyrosine kinase 2; TLR4, toll-like receptor 4.

