



**Figure 3. Activation of abacavir-responsive CD8<sup>+</sup> T-cell clones is enantiomer specific.** a) Proliferation of abacavir responsive T-cell clones cultured in the presence of abacavir and 1R, 4S abacavir enantiomer at concentrations of 1, 5, 10, 50 and 100µM for 48 hours. b) Representative ELIspot images from wells containing abacavir and 1R, 4S abacavir both at 50µM. c) Chemical structures of i) 1S,4R abacavir and ii) 1R,4S enantiomer. d) Docking solution of abacavir enantiomer (1R,4S) with abacavir superimposed, shown as blue lines in the F-pocket of HLA-B\*57:01. Stick representation of the peptide, (HSITYLLPV) shown in red. Amino acid protein residues shown as yellow sticks, with key hydrogen bond interactions shown as black dashes. All non-polar hydrogen atoms removed. Spheres used to illustrate the atomic radii of the atoms in the functional group of the compounds.