Supplemental Figure 10
Supplemental Figure S10: Mapping of the interaction between HPI and RNA binding domain of Tat by NMR

(A) Titration of HPI RNA by Tat peptide. Imino protons region for free RNA (top) and for HPI:Tat complexes upon peptide additions are shown. Spectra were recorded at 15°C in 90/10 H2O/D2O. (B) Imino/Imino protons region of NOESY spectrum recorded at 25°C in 90/10 H2O/D2O with a mixing time of 400 ms. Dashed lines represent NH/NH sequential assignment. (C) Overlays of regions of 1H-13C HSQC spectra showing the aromatic H8-C8 selectively labeled [13C/15N-G] free HPI (black) and in complex with Tat (blue) recorded at 30°C. G42, G46 and G64 residues undergo changes upon Tat interaction. New resonances that appear upon interaction couldn’t be assigned unambiguously.