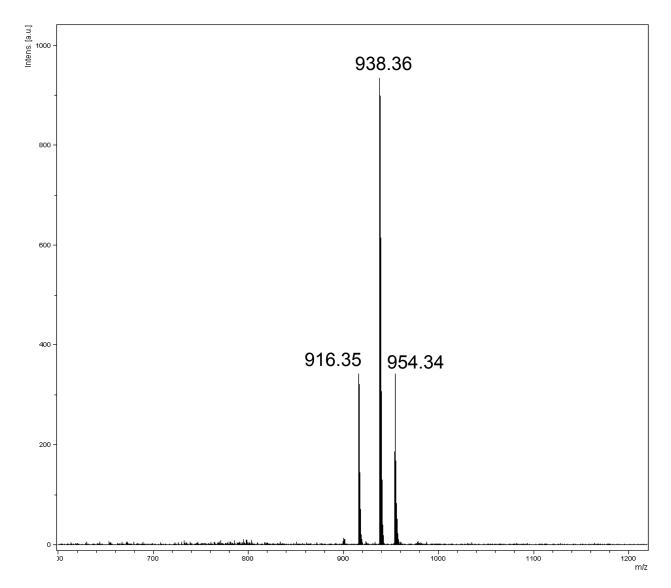
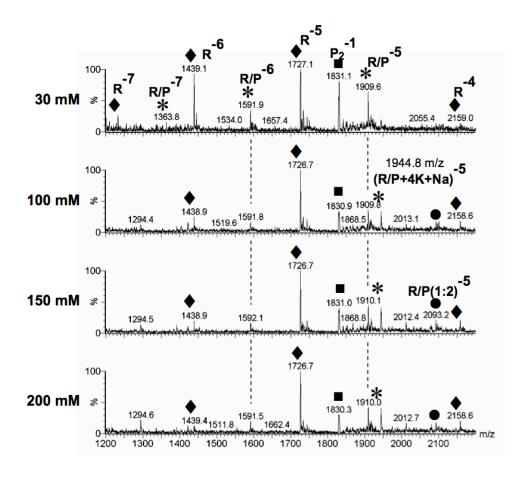
Figure S1



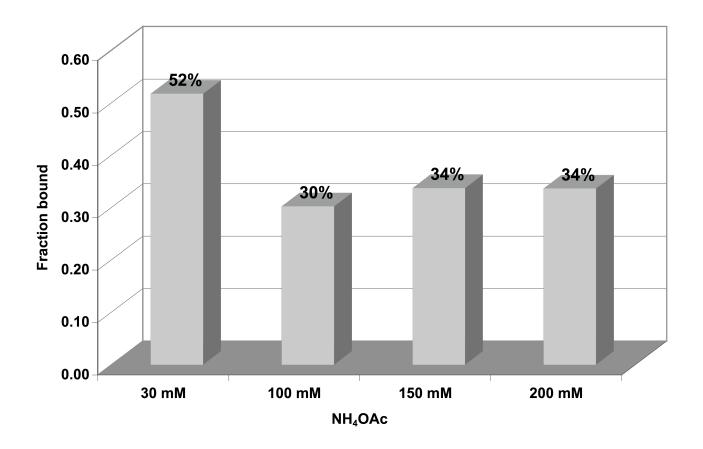
MALDI-TOF characterization of peptide HPVHHYQ-NH $_2$ is given: calculated mass: 915.4 g/mol; observed mass, 916.35 (M+H $^+$), 938.36 (M+Na $^+$), and 954.34 (M+K $^+$).

Figure S2



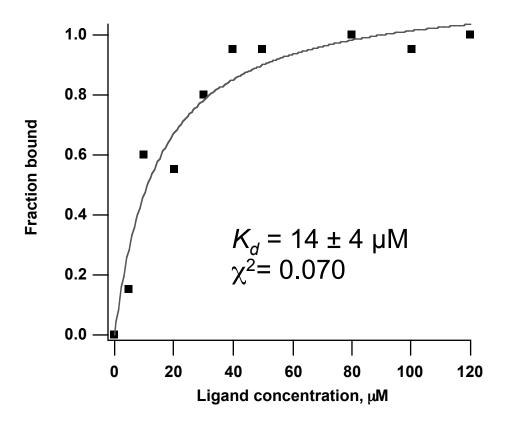
The mass spectra of the peptide HPVHHYQ-NH₂ (34 μ M) binding to the A-site RNA (1 μ M) at 30, 100, 150 and 200 mM NH₄OAc are shown. The free RNA (R) at various charge states (-5, -6, etc.) are labeled with diamonds (\spadesuit). The RNA-peptide complexes (R/P) are labeled with stars (*) for 1:1 and circles (\bullet) for 1:2 complexes. The peptide dimer (P2) is designated with squares (\blacksquare).

Figure S3



A bar graph shows the population of RNA-peptide complexes (from data shown in Figure S2) formed with increasing concentrations of NH_4OAc .

Figure S4



The plot shows RNase A cleavage of hp-AS at A1493 fit with Equation 1.