



Figure S4. Analysis of MAL 123-218 SAXS data. (A) The Guinier plot of the low scattering angle ( $\text{\AA}^{-2}$ ) region of the SAXS data fits well to a linear regression (red line) with low residuals (green line), indicating that the RNA was not aggregated. (B) The Kratky plot shows a leveling off as momentum transfer/scattering angle increases, indicating that the RNA is non-globular, but well-folded and extended in solution.