Supplementary Fig. 7. Dynamic properties of HaNLP3 (a) variant 1, (b) variant 2, and (c) variant 3. Left panel depicts a graphical representation of root mean square fluctuation (RMSF) per residue projected on the most representative cluster of the protein (shown as tube) as extracted from the molecular dynamics (MD) trajectories. Colors from red to blue along with a decreasing diameter of the tube indicate a progressive RMSF decrease. In the middle panel we report the cross-correlation matrix. Correlation scores ranges from +1 (red) to -1 (blue). A positive sign of the map (blue color) indicates that residues move in a correlated manner (lockstep), otherwise, a negative value (red color) points to an anti-correlated motion between residues (opposite directions). White color shows that residue displacements are independent of each other. On the right panel, the essential dynamics of the three proteins. These are represented as magenta new cartoons and blue arrows indicate the direction and the amplitude of the motion.