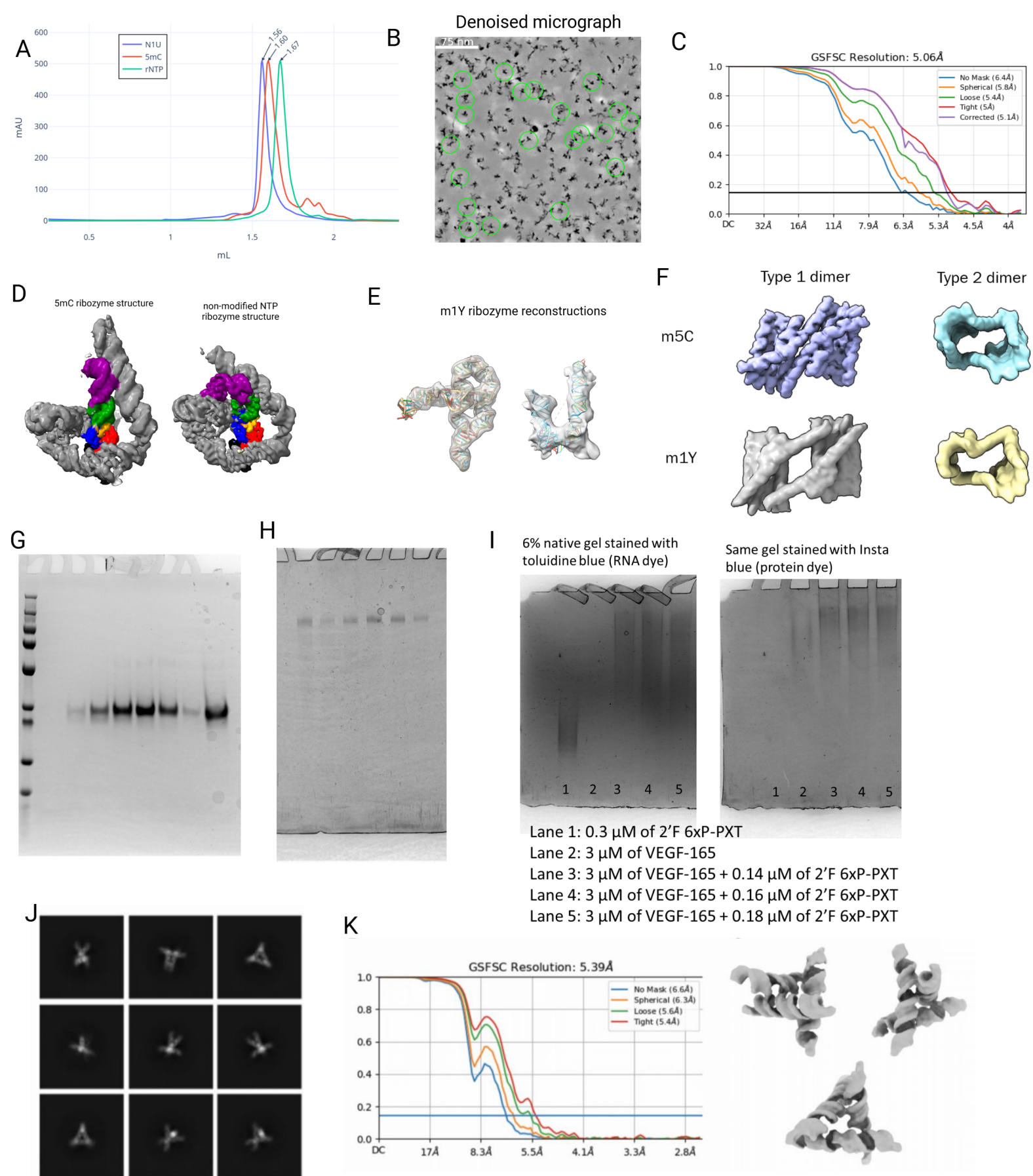




Preliminary data figure. (A) SEC traces of base modified ribozyme sample. (B) Representative, denoised, micrograph from the 5mC modified ribozyme sample. (C) GSFSC plot for the 5mC ribozyme reconstruction. (D) Comparison of 5mC ribozyme to non-modified ribozyme 3D structure. (E) Reconstruction of N1-methyl-pseudouridine ribozyme particles only identifies fragments. (F) Reconstructions of base modified RNA origami samples. (G) Purified fractions of VEGF-165 protein on SDS-PAGE. (H) Purified 2'F RNA origami scaffold (PXT) with 6 anti-VEGF aptamers (6xP). (I) Gel shift assay showing binding of 2'F-6xP-PXT to VEGF protein. (J) Representative 2D classes of the PXT RNA origami scaffold. (K) GSFSC curve and reconstruction of the PXT RNA origami scaffold.