**Figure S4**

**A**

Diagram showing the structure of the RRM2 protein with a box labeled "NES" and a sequence "QLSCLGEDLIKGISHNA" highlighted. The sequence "EDLIKGISHNA" is further boxed and labeled "(241-260)."

**B**

Graph showing the OD 405 nm values for dilution of hybridoma supernatant. Two lines represent FL TDP-43 and RRM2, with dilutions indicated as x10, x100, x1000, and PBS.

**C**

Graph showing OD 405 nm values for different antigens: RRM1, RRM2, SOD1, BSA, and PBS.

**D**

Bar graph showing OD 405 nm values for different recombinant RRM2 proteins: WT, E246G, D247G, GG, PBS. The graph has a vertical axis labeled "OD 405 nm" and horizontal bars for each antigen.

**E**

Graph showing OD 405 nm values for different dilutions of hybridoma supernatant: RR2 WT and RR2 QN.