

Figure S3: The representative EMSA gel showing the binding of RBM22 with Construct WT Δ L (lane 1, 3, 5) and Construct 4HJ Δ L1 (lane 2, 4, 6). The concentration of RBM was remained constant at 10 μ M in all lanes whereas the concentration of RNAs varied from 5 μ M to 15 μ M. The gel was run in 30 mM MOPs, 25 mM Histidine buffer pH 6.5 at 4°C for 90 minutes and then stained with Commasie® Blue overnight. Only RBM22 and RNA-RBM22 complex bands were exposed after staining with Commasie® Blue. The RNA-protein band was visualized at 302 nm. The gel visually shows a greater binding affinity of RBM22 for the wild-type complex.

Lane 1: 5 μ M WT Δ L + 10 μ M RBM22

Lane 2: 5 μ M 4HJ Δ L1 + 10 μ M RBM22

Lane 3: 10 μ M WT Δ L + 10 μ M RBM22

Lane 4: 10 μ M 4HJ Δ L1 + 10 μ M RBM22

Lane 5: 15 μ M WT Δ L + 10 μ M RBM22

Lane 6: 15 μ M 4HJ Δ L1 + 10 μ M RBM22

