

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Structure of RBM39 RRM2 bound to 5'-AGCUUUG-3'

File Name: Supplementary Movie 2

Description: Structure of RBM39 RRM1 bound to U1 snRNA stem loop 3

File Name: Supplementary Data 1

Description: Oligonucleotide list