

Table S1. The prediction of HSV-1 miRNAs targeting DDX41 by RNAhybrid

Target sites miRNAs	Predicted consequential pairing of target region (top) and miRNAs (bottom)	MFE (kcal/mol)
DDX41(96-101) miR-H2-3p	5' AGCAUUAUC GCUCAGC 3' 3' CAGCGUGAGCAGGGCA CGAGUCC 5'	-20.2
DDX41(125-130) miR-H13	5' AGCUGGCCUGGAAUGGGCCAGGCUG GUCCUGG 3' 3'GUCACGAGCGUGAAG CGGGAUU 5'	-20.9
DDX41(175-181) miR-H6-5p	5'UACUGUUUUUGUUU CCUUUUACCC 3' 3'UGUGUGGGGGGGGACAC GGAAGGUGG 5'	-21.2
DDX41(113-119) miR-H26	5' AGCUCAGCUGGCCUGGAA UGGGCCAG 3' 3' UGGCAGCGAGUG GCUCGGU 5'	-21.8
DDX41(125-131) miR-H3-3p	5' GCUCAGCUGGCCUGGAAUGGGCCAGGC UGGUCCUGGC 3' 3' AGGGUUGGCGU GUCAGGGUC 5'	-22.3
DDX41(138-144) miR-H5-5p	5' UGGCUGCCU GUUCCUG 3' 3' AUCUCUACGGGCU UGGGGGGG 5'	-22.6
DDX41(19-24) miR-H29	5' CAGUCUCCCUUC UCUCCAA 3' 3' CAUCAGGAACGGGC GGAGGUC 5'	-23.5
DDX41(70-76) miR-H5-5p	5'AAGACUGCCACCAGUCUACACAUACAGC AGCCCCUG 3' 3'AUCUCUACGGGCU UUGGGGGGG 5'	-24.7
DDX41(149-155) miR-H29	5' CUGGUCCUGGCUGCCUGU UCCUGUGCUUCAGA 3' 3' CAUCAGGAACGGGC GGAGGUC 5'	-29.6

Nucleotides in bold fonts show the seed sequence of miRNAs matching DDX41 mRNA sequence.

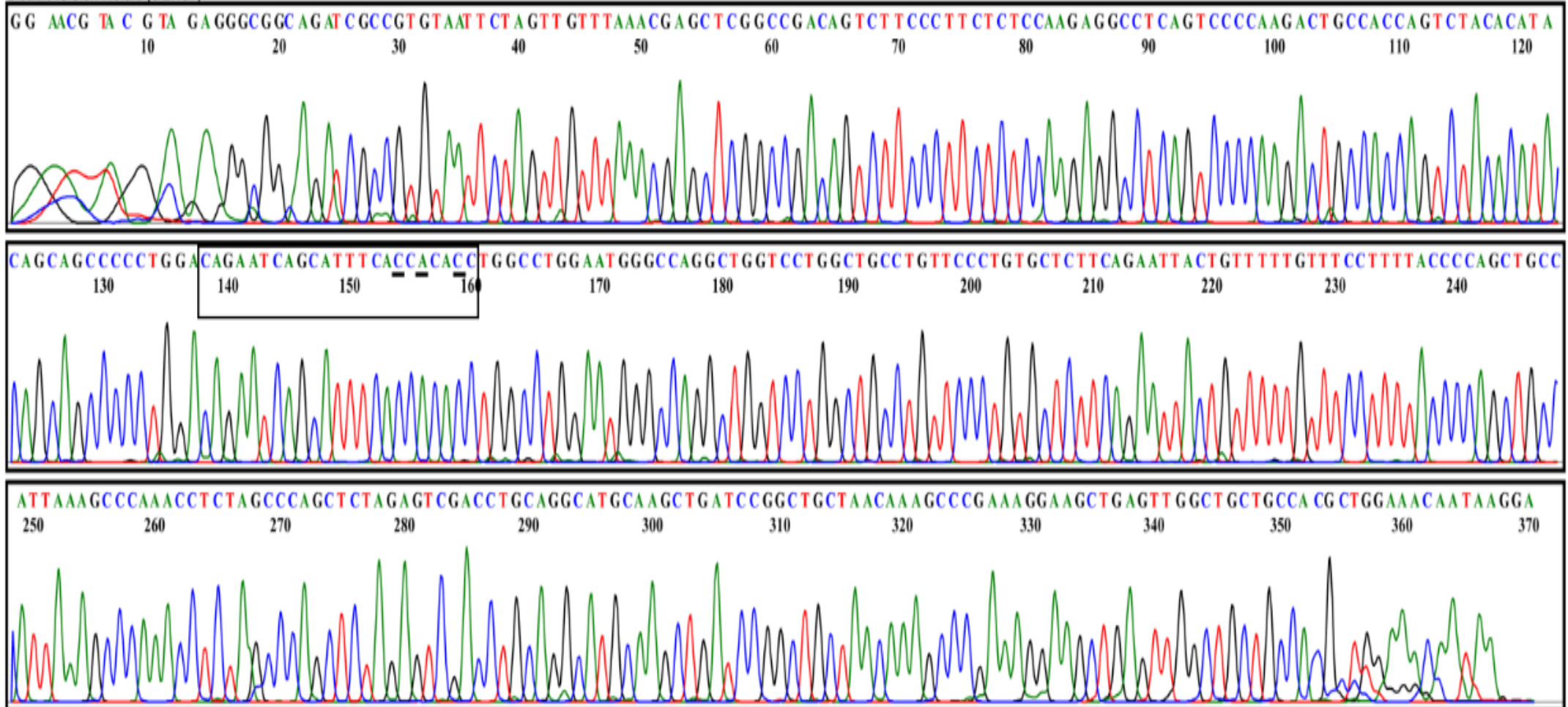


Figure S1. The sequencing results of pmirGLO-DDX41 site-directed mutation plasmid

The black box shows the sequence matching with miR-H2-3p in paper, the black underline of nucleotides shows the mutation sites.

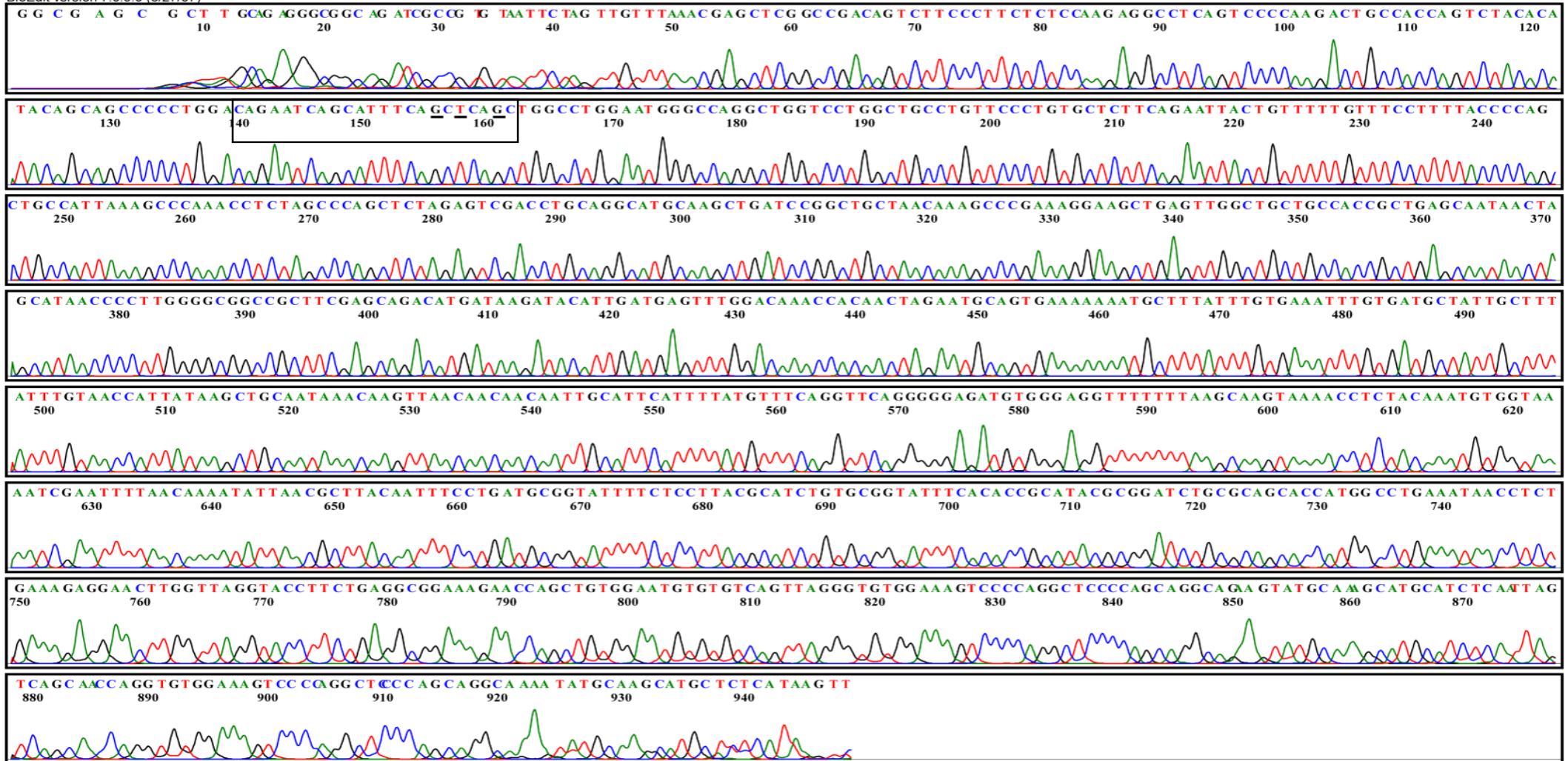


Figure S2. The sequencing results of pmirGLO-DDX41 wild type plasmid