

Figure S3. The schemes of piRNA interaction with CDS gRNA SARS-CoV-2 from 20645 nt to 20676 nt

piRNA; BS, nt; Region; ΔG , kJ/mol; $\Delta G/\Delta G_m$, %; piRNA length, nt

piR-77587; 20650; CDS; -108; 81; 25
 5' -AAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||| |||| ||||||||||||||
 3' -UUUGUCGUUCGAUCAGUUCGCGCCA-5'

piR-78640; 20650; CDS; -106; 82; 24
 5' -AAAUUACAAUCUAGUCAAGCGUGG-3'
 |||| |||| ||||||||||||||
 3' -UUUGUCGUUCGAUCAGUUCGCGCC-5'

piR-89731; 20649; CDS; -104; 82; 24
 5' -AAAAUUACAAUCUAGUCAAGCGUG-3'
 |||| |||| ||||||||||||||
 3' -UUUUGUCGUUCGAUCAGUUCGCGC-5'

piR-104672; 20649; CDS; -113; 82; 26
 5' -AAAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||| |||| ||||||||||||||
 3' -UUUUGUCGUUCGAUCAGUUCGCGCCA-5'

piR-1874165; 20649; CDS; -115; 84; 26
 5' -AAAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||| |||| ||||||||||||||
 3' -UUUUUACGUUCGAUCAGUUCGCGCCA-5'

piR-1874441; 20648; CDS; -110; 80; 26
 5' -CAAAAUUACAAUCUAGUCAAGCGUGG-3'
 |||| |||| ||||||||||||||
 3' -UUUUUGUCGUUCGAUCAGUUCGCGCC-5'

piR-1877632; 20646; CDS; -127; 82; 29
 5' -CCCAAAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||||| |||| ||||||||||||||
 3' -AGGUUUUGUCGUUCGAUCAGUUCGCGCCA-5'

piR-1901265; 20648; CDS; -106; 81; 25
 5' -CAAAAUUACAAUCUAGUCAAGCGUG-3'
 |||| |||| ||||||||||||||
 3' -AUUUUGUCGUUCGAUCAGUUCGCGC-5'

piR-1905481; 20650; CDS; -110; 84; 25
 5' -AAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||| |||| ||||||||||||||
 3' -UUUGUUGUUCGAUCAGUUCGCGCCA-5'

piR-1909341; 20646; CDS; -113; 82; 26
 5' -CCCAAAAUUACAAUCUAGUCAAGCGU-3'
 |||||| |||| ||||||||||||||
 3' -AGGUUUUGUCGUUCGAUCAGUUCGCG-5'

piR-1916216; 20649; CDS; -110; 81; 26
 5' -AAAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||| |||| ||||||||||||||
 3' -UUUUUUCGUUCGAUCAGUUCGCGCCA-5'

piR-1930602; 20648; CDS; -115; 81; 27
 5' -CAAAAUUACAAUCUAGUCAAGCGUGGC-3'
 |||||| |||| ||||||||||||||
 3' -AUUUUGUCGUUCGAUCAGUUCGCGCCA-5'

piR-1950681; 20645; CDS; -119; 81; 27
 5'-ACCCAAAUAUACAAUCUAGUCAAGCGU-3'
 ||||| |||| |||||
 3'-CGGGUUUUGUCGUUCGAUCAGUUCGCG-5'
 piR-1955234; 20647; CDS; -106; 81; 25
 5'-CCAAAUAUACAAUCUAGUCAAGCGU-3'
 ||||| |||| |||||
 3'-GAUUUUGUCGUUCGAUCAGUUCGCG-5'
 piR-1957782; 20646; CDS; -123; 81; 29
 5'-CCCAAAAUAUACAAUCUAGUCAAGCGUGGC-3'
 ||||| |||| |||||
 3'-AGAUUUUGUCGUUCGAUCAGUUCGCGCCA-5'
 piR-1968262; 20647; CDS; -110; 80; 26
 5'-CCAAAUAUACAAUCUAGUCAAGCGUG-3'
 | |||| |||| |||||
 3'-GUUUUUGUCGUUCGAUCAGUUCGCGC-5'
 piR-1970873; 20646; CDS; -108; 85; 24
 5'-CCCAAAAUAUACAAUCUAGUCAAGC-3'
 ||||| |||| |||||
 3'-GGGUUUUGUCGUUCGAUCAGUUCG-5'
 piR-1978038; 20645; CDS; -100; 81; 24
 5'-ACCCAAAUAUACAAUCUAGUCAAG-3'
 | |||| |||| |||||
 3'-UUGGUUUUGUCGUUCGAUCAGUUC-5'
 piR-1981597; 20645; CDS; -108; 82; 25
 5'-ACCCAAAUAUACAAUCUAGUCAAGC-3'
 ||||| |||| |||||
 3'-AGGGUUUUGUCGUUCGAUCAGUUCG-5'
 piR-2526803; 20647; CDS; -125; 83; 28
 5'-CCAAAUAUACAAUCUAGUCAAGCGUGGC-3'
 ||||| |||| |||||
 3'-GGUUUUGUCGUUCGAUCAGUUCGCGCCA-5'
 piR-2540472; 20647; CDS; -104; 83; 24
 5'-CCAAAUAUACAAUCUAGUCAAGCG-3'
 ||||| |||| |||||
 3'-AGUUUUGUCGUUCGAUCAGUUCGC-5'
 piR-2540716; 20650; CDS; -110; 81; 26
 5'-AAAUUACAAUCUAGUCAAGCGUGGCA-3'
 |||| |||| |||||
 3'-UUUAUCGUUCGAUCAGUUCGCGCCAA-5'
 piR-2557847; 20645; CDS; -113; 82; 26
 5'-ACCCAAAUAUACAAUCUAGUCAAGCG-3'
 ||||| |||| |||||
 3'-CGAGUUUUGUCGUUCGAUCAGUUCGC-5'
 piR-2574698; 20645; CDS; -108; 81; 25
 5'-ACCCAAAUAUACAAUCUAGUCAAGC-3'
 ||||| |||| |||||
 3'-GGGUUUUUGUCGUUCGAUCAGUUCG-5'