

Gene	Forward primer	Reverse primer
Q-PCR Primers		
SARS-CoV2-N	CTCTGTAGATCTGTTCTCTAAACGAAC	GGTCCACCAAACGTAATGCG
SARS-CoV2-Nsp14	TGGGGYTTTACRGGTAACCT	AACRCGCTTAACAAAGCACTC
HCoV-OC43-N	AGGAAGGTCTGCTCCTAATTC	TGCAAAGATGGGGAAGTGTGGG
HCoV-OC43-M	GGCTTATGTGGCCCCTTACT	GGCAAATCTGCCAAGAATA
RSV-A2	GCTCTTAGCAAAGTCAAGTTGAATGA	TGCTCCGTTGGATGGTGTATT
Human IFN β	GTCTCCTCAAATTGCTCTC	ACAGGAGCTTCTGACTACTGA
Human IFN α	CACACAGGCTCCAGGCATTC	TCTTCAGCACAAAGGACTCATCTG
Human RSAD2	CTTTGTGCTGCCCTTGAGGAA	CTCTCCCGGATCAGGCTTCCA
Human HPRT	ATCAGACTGAAGAGCTATTGTAATGA	TGGCTTATATCCAACACTTCGTG
murine IFN β	ATAAGCAGCTCCAGCTCAA	CTGTCTGCTGGTGGAGTTCA
murine TNF- α	GGTGCCTATGTCTCAGCCTCTT	GCCATAGAAGTATGAGAGGGAG
murine IL12 β	GGAAGCACGGCAGCAGAATA	AACTTGAGGGAGAAGTAGGAATGG
murine IL10	CGGGAAGACAATAACTGCACCC	CGGTTAGCAGTATGTTGTCCAGC
murine IL1 β	CGGCACACCCACCCTG	AAACCGTTTTTCCATCTTCTTCT
murine GAPDH	TGGCAAAGTGGAGATTGTTGCC	AAGATGGTGATGGGCTTCCCG
IVT Primers		
5-UTR	TAATACGACTCACTATAGGGATTAAAGGTTTATACCTTCCCAG	AGA ACG TTC CGT GTA CCA AGC AA
3-UTR	TAATACGACTCACTATAGGGCAG TAG GGG AAC TTC TCC T	TTT TTG TCA TTC TCC TAA GAA GCT
5K	TAATACGACTCACTATAGGGCTCCACACGCAAGTTGT	ATT GGT TGC TCT GTG AAA TAA
10K	TAATACGACTCACTATAGGGTTCTGATGTTCTTTACCAA	ACC CTT GAT TGT TCT TTT CAC TGC
20K	TAATACGACTCACTATAGGGTTGATGGTCAAGTAGACTTA	ATC ACC AAT CAA AGT TGA ATC T
sgRNAs		
hCNBP sgRNA1	CACCGCCGTGTGCAGACCCGCGTG	AAACCACGCGGGTCTGCACACGGC
hCNBP sgRNA2	CACCGCGTCCGAGTCTCCGCCGCTG	AAACCAGCGGGGAGACTCGGACGC
hCNBP sgRNA3	CACCGAAGACGGCTCGCAAGGTAG	AAACCTACCTTGCAGCCGTCTTC