

Supplementary Material

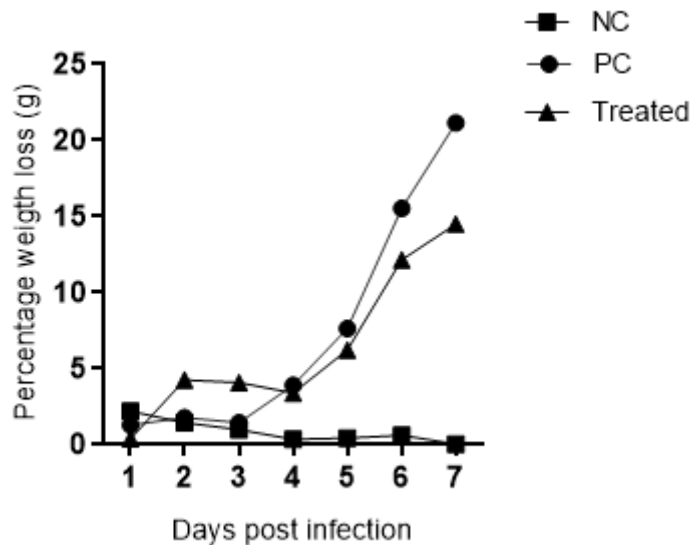
Supplementary Figures and Tables

Supplementary Table 1. Primers used in gene expression method for *in vitro* assays.

Gene	Sense	Antisense
<i>ATP6V0E1</i>	GTGCTCAGTCTTTGAGGTCAC	AAGTGGTCTGGTTTGGAGGT
<i>CARD9</i>	ACCAGGAGCAGGTTTTGC	GCCATCCTTTCTGCATCTTC
<i>CCL2</i>	ACCGAGAGGCTGAGACTAAC	GCATTGATTGCATCTGGCTGA
<i>CCL5</i>	GGGTGACAAAGACGACTGCT	CCTGCTGCTTTGCCTACATT
<i>CLEC5A</i>	GGCAATGTTACCAATCAGAATCA	TCATTTGGCATTCTTCTCACAG
<i>CXCL10</i>	CCAATTTTGTCCACGTGTTG	TTCTTGATGGCCTTCGATTTC
<i>IFIT1</i>	TTACAGCAACCATGAGTACAA	TGCTCCAGACTATCCTTGAC
<i>IFNA1</i>	GCCATCTCTGTCTCCATGA	TGGTAGAGTTCGGTGCAGAAT
<i>IFNB1</i>	CATTACCTGAAGGCCAAGGA	CAGCATCTGCTGGTTGAAGA
<i>IFNG</i>	TGACCAGAGCATCCAAAAGA	ATTGCTTTGCGTTGGACATT
<i>IL10</i>	ATCGATGACAGCGCCGTAG	GATGCCCAAGCTGAGAAC
<i>IL12</i>	TTTCTTTTCTCTTGCTCTTGC	GTGGAGGTCAGCTGGGAGTA
<i>IL18</i>	TTTAAGGAAATGAATCCTCCTGAT	TTCAAATTGCATCTTATTATCATGTC
<i>IL1B</i>	GGACAGGATATGGAGCAACAA	TCTTTCAACACGCAGGACAG
<i>IL2</i>	AGCTCAAAGCAAAAACCTTTCAC	TGTTGTTTCAGATCCCTTTAGTTC
<i>IL6</i>	GCATCTAGATTCTTTGCCTTTTT	GAAAATCATCACTGGTCTTTTTGG
<i>IRF3</i>	TCGAGGTGACAGCCTTCTAC	GCCTCACGTAGCTCATCACT
<i>IRF7</i>	TGATGCTGCGGGATAACTC	CCTGTGGTGGTGGGACAG
<i>ISG15</i>	GAGAGGCAGCGAACTCATCT	CCAGCATCTTACCCTGCAG
<i>NCF4</i>	TGGAGGAAGTGAGAGGTGAA	TGTTCAAAGTCACTCTCGGC
<i>NFKB</i>	CGGTGACAGGAGACGTGAA	ACCCAAGCGGTCCAGAA
<i>NQO2</i>	AACTCCTAGAGCGGTCTTTG	GAGTCCAGCAATCTTCCGAC
<i>NRLP3</i>	GCTTCAGGTGTTGGAATTAGACA	GTCGCCCAGGTCATTGTT
<i>SOD2</i>	CAGCGGTAGCACCAGCACTA	GAGCCCAGATACCCCAAAAC
<i>STAT1</i>	AACCGCATGGAAGTCAGGTT	ATGGGCTTCATCAGCAAGGA
<i>STAT2</i>	CCAGATTTGCCCTGTGATCT	AAACCTCATCCACGGTGTTC
<i>TGFB</i>	GACCTTGCTGTACTGCGTGT	AAGGACCTCGGCTGGAAGT
<i>TLR3</i>	TGCAAAAGATTCAAGGTACATCA	CCAGTTCAAGATGCAGTGAGA
<i>TLR4</i>	AGCTTCTTCAGTTTCCCAGAAC	AAAGGCTCCCAGGGCTAAAC
<i>TLR7</i>	AAAATGGTGTTCCTCAATGTG	GTCTGTGCAGTCCACGATCA
<i>TMEM59</i>	ATTTGACTCGGTCTTGGGTG	ACAACCTCTCTCCTTAGGGT
<i>TNFA</i>	GAGGGTTTGCTACAACATGG	CCCCAGGGACCTCTCTCTA
<i>B2M</i>	GGCTCGCTCGGTGACCCAGTCTTT	TCTGCAGGCGTATGTATCAGTCTCA
<i>18S</i>	AGGATGAGGTGGAACGTGTG	CTTACGGAGCTTGTGTGCC
<i>PPIA</i>	TGTTCTTCGACATTGCCGTC	TGTCTGCAAACAGCTCAAAG
<i>GAPDH</i>	AGTGATGGCATGGACTGTGGTCAT	CAACAGCCTCAAGATCATCAGCAA

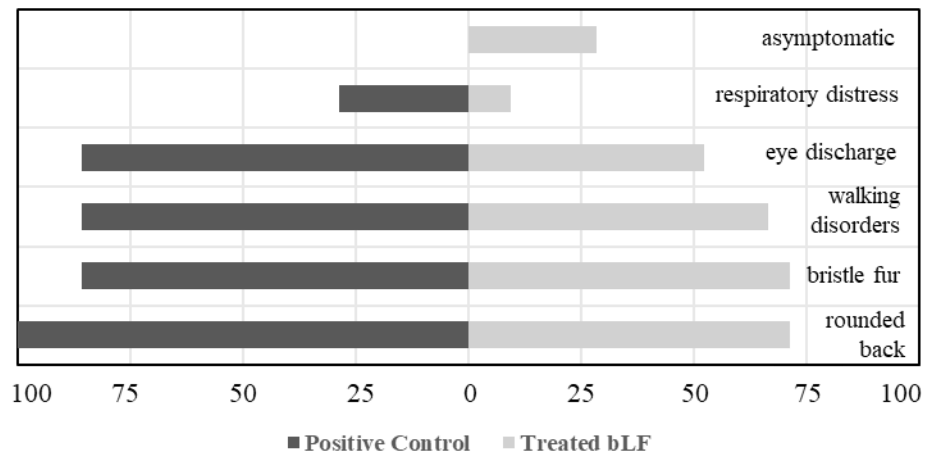
Supplementary Table 2. Primers used in gene expression method for *in vivo* assays.

Gene	Sense	Antisense
<i>IL1B</i>	TGCCACCTTTTGACAGTGATG	ATGTGCTGCTGCGAGATTTG
<i>IL6</i>	GTTCTCTGGGAAATCGTGGA	TGTACTIONCAGGTAGCTATGG
<i>IL18</i>	TACAAGCATCCAGGCACAGC	GGCAGGAGTCCAGAAAGCAT
<i>IL10</i>	ATTCCCTGGGTGAGAAGCTG	TAGACACCTTGGTCTTGGAGCTTA
<i>CCL2</i>	CACTCACCTGCTGCTACTCA	GAGCTTGGTGACAAAACTACAGC
<i>IFNB1</i>	AACTCCACCAGCAGACAGTG	TGAGGACATCTCCCACGTCA
<i>TLR4</i>	AACTCAGCAAAGTCCCTGATG	ATTGTTTCAATTTACACCTGGAT
<i>TLR9</i>	AGAGACCCTGGTGTGGAAC	CTTCGACGGAGAACCATGT
<i>FHT1</i>	CCGAGATGATGTGGCTCTGAA	CAGTCATCACGGTCTGGTTTCTTT
<i>NOX1</i>	AGTTTCTCTCCCGAAGGACCTC	GGTTAACCAGCCAGTTTCCCA
<i>CASP1</i>	TGGTCTTGTGACTTGGAGGA	TGGCTTCTTATTGGCACGAT
<i>GADD45G</i>	AAGTCCTGAATGTGGACCCTG	ATGGATCTGCAGCGCTATGT
<i>CLEC5A</i>	TTTTTCTGCTGTATTTCCACACA	ACGAAGCCATCATTACTTTTGC
<i>B2M</i>	CAAGACCGTCTACTGGGATCG	TTGCTATTTCTTTCTGCGTGC
<i>PPIA</i>	GCTTTTCGCCGCTTGCT	CTCGTCATCGGCCGTGAT
<i>GAPDH</i>	AACTTTGGCATTGTGGAAGG	GGAGACAACCTGGTCCTCAG



Supplementary Figure 1. Percentage weight loss from k18-ACE2 mice groups infected with SARS-CoV-2 Wuhan strain and treated with bovine lactoferrin (Treated). Legend: NC= refers to non-infected, non-treated animals; PC= positive control, infected animals; Treated= infected, treated animals.

Clinical Signs (%)



Supplementary Figure 2. The percentage of the clinical signs presented from k18-ACE2 mice groups infected with SARS-CoV-2 Wuhan strain and treated with bLf.