Supplementary Table S1: Unreviewed bacterial proteins identified through 2 or more peptides at 5 ppm in healthy human plasma (HHP).

No.	Peptide	Protein	Organism
1	NEMADHLDTYCSYAWEMGLADDR	A0A4Q2BVS1	bacterium 1XD8-92
2	*TAECDPDCTDIDAGCR*	A0A2K8UFY2	Candidatus Thiodictyon syntrophicum
3	*REMTMEMMPCSICEAK*	A0A1C0Y6V9	Caryophanon tenue
4	*GHPHHNQEGYCSCCR*	A0A373BFS1	Clostridiales bacterium AM23-16LB
5	*AHEVCSPSGGASNMSACAYDDR*	A0A2S9YE59	Enhygromyxa salina
6	*KGNGVYYCPMFCEGDK*	A0A2U8QR36	Flavobacterium sediminis
7	*TDDSEHDGHSNMDMGDNSDLMANIK*	A0A519KAL5	Flavobacterium sp.
8	*DGMHFHGSCTCPMAHNCK*	A0A2R4CH93	Massilia armeniaca
9	*KPGEGGGDGQSEDRTDSDSSDESAGDDSGK*	A0A1V1VXQ9	Nocardioides sp. PD653
10	*HDMDCGEGAFCLSGTCTPCTRDK*	A0A4U1JAN8	Polyangium fumosum
11	*DRDGNEHVYNGDTR*	F9DC28	Prevotella nigrescens ATCC 33563
12	*SMDIDEYDTCENCYK*	A0A264YC76	Prevotella sp. 885
13	*GSGSGSSSSDGGSGDSGSGSSDSSGGSSDGGSEK*	A0A4V2FQB4	Pseudonocardia sediminis
14	*DDNGNNGRWSSDDDGDDDGGR*	A0A1Q9S122	Pseudonocardia sp. CNS-004
15	*LVDYEIAAVDHHNEGLLMAPSYAIPR*	A0A1H1KPH6	Rhizobiales bacterium GAS113
16	*KQAEIPGINGVNYENVR*	R6NIQ0	Roseburia sp. CAG:45
17	*VTEAESESEQDGEGNAEAGK*	V6K3G0	Streptomyces niveus NCIMB 11891
18	*RCSEGEDDSYEAEYR*	A0A2N4YMJ1	Tabrizicola sp. TH137

Supplementary Table S2: Reviewed and unreviewed viral proteins found at high stringency at 5 ppm accuracy in healthy human plasma (HHP).

No.	Peptide	Protein	Organism
1	WLAFGGESVSDHVK, WVLLLYHILVVHPIKSVIVILLMIGDVVK	P19711 (reviewed)	*Bovine viral diarrhea virus (isolate NADL) (BVDV) (Mucosal disease virus)*
2	ELDENMVLDEDGGSGCGDGR, LFSSSSEESLHTADEGGDDGAGEGGA-GDEEGSGLEEDDEFEGEGAR	Q66666 (reviewed)	*Equine herpesvirus 2 (strain 86/87) (EHV-2)*
3	SSGESSPDRGGCFSHSSDSELGCATETR, EASDTAGADGEFPAPEDEHPDDGEPDE-PADR	A0A1B1SLC7 (unreviewed)	*Fowl aviadenovirus 4*
4	WVMKDWCNEMCDGK, KTGLMYEAALEWDSIITPFK	A0A1L3KNC2 (unreviewed)	*Beihai picorna-like virus 112*
5	MNICSNCSDDDFSSER, EKEEMTDAQDPNEGIEEQYDR	A0A2Z5DT74 (unreviewed)	*Pinus nigra virus 1*
6	MMHYCAECNMIHSR, TFEEKPSFDLKGSCVGCIDCIK	A0A346JIY3 (unreviewed)	*Patois virus*
7	CFTQMDQGYHDSNGGICMDCSMK, VSADSSPTAAGDTGPGAGMVPPPPA-PGPSK	G1D4H7 (unreviewed)	*Mycobacterium virus Mozy*
8	TILEFMDHRLVR, GTDDEFFDANADDDHDEEPHVAEQ-QEPK	H2E9I3 (unreviewed)	*Persea americana alphaendornavirus 1*
9	DDDAGDGEDEGSGAGEEK, AADYSVFTRDYDIIKPLEVPENFSSK	L7TNG1 (unreviewed)	*Rhizobium phage RHEph10*
10	ADGEGTNGDAEGEYGNGGQR, GQSGTGSKSGTGSDSGSGSGSGSGSG-SGSGSGSGSESSTGTR	U3UBB5 (unreviewed)	*Squirrelpox virus*
11	TSKTVSSLSNGAQK, KHNHSHGIDAGEMMGQGGMGGAAK	A0A060AKT4 (unreviewed)	*Staphylococcus phage 6ec*

Supplementary Table S3: Reviewed viral proteins identified with a single peptide of at least 9 aa.

peptide	protein extended	Organism
SIATENINPNYKDEEHIYEPIEQQNHEYADIDYNAMNISR	POLFS_SINV3	Solenopsis invicta virus 3 (SINV-3)
GVACTNAAPANDCPPLELINTIIEDGDMVDTGFGCMDFKTLQANK	VL1_HPV33	Human papillomavirus 33
EEKGGEDEDMEVQESDPSAWGEK	NS1_PAVBP	Bovine parvovirus (isolate pAT153/1986) (BPV)
EHAPSPSNSDDSDSNDGGSTK	ICP4_VZVD	Varicella-zoster virus (strain Dumas) (HHV-3) (Human herpesvirus 3)
SVTVQQPCMDCESDCK	GP_UUKS	Uukuniemi virus (strain S23) (Uuk)
TTWSAGPPPDDMASGPGGHRAGGGTCR	TEG1_HHV11	Human herpesvirus 1 (strain 17) (HHV-1) (Human herpes simplex virus 1)
TDHQMMSCLRTDYESSDED	E1B55_ADE40	Human adenovirus F serotype 40 (HAdV-40) (Human adenovirus 40)
VGPTGKEASQLPR	POL_HV2BE	Human immunodeficiency virus type 2 subtype A (isolate BEN) (HIV-2)
NGILRQSPDFDWNK	RDRP_FXMV	Foxtail mosaic virus
GEANCTPQHMQAMMYYR	RDRP_IPNVS	Infectious pancreatic necrosis virus (strain Sp) (IPNV)
STNMSVCSAVSSSDSTYKNDNFK	VL1_HPV35	Human papillomavirus 35
TGDSGWASQAISGCEALK	MP_ASGVP	Apple stem grooving virus (strain P-209) (ASGV)
TVGCTDNQETCFCYTPCK	CEP2_HHV7J	Human herpesvirus 7 (strain JI) (HHV-7) (Human T lymphotropic virus)
NINGAMALFFSGLKYFGNFGNGNFQTSPEK	VU5_HHV7J	Human herpesvirus 7 (strain JI) (HHV-7) (Human T lymphotropic virus)
VLYNNAENMDVAMNSVEQERWMDR	STRU2_BPPAJ	Pseudomonas phage PAJU2
TQMYDSGSDSESDSSEYDNSDSDDGR	VG65_ICHVA	Ictalurid herpesvirus 1 (strain Auburn) (IcHV-1) (Channel catfish herpesvirus)
TGSFWSFNPETNNLMCIDMK	VME1_CVHOC	Human coronavirus OC43 (HCoV-OC43)
LSASLDIQDSEDEDDGDNSQAFR	VE1_HPV13	Human papillomavirus 13

GQMLFQTKIWR	TLP20_NPVAC	Autographa californica nuclear polyhedrosis virus (AcMNPV)
GPDMGEEEEEDEEDDYSSEPGDSDSFR	NCAP_IHNVO	Infectious hematopoietic necrosis virus (strain Oregon69) (IHNV)
QNDSWMFTGSSYYYPEPISDK	SPIKE_CVHN5	Human coronavirus HKU1 (isolate N5) (HCoV-HKU1)
LIGLVVVLIINFPK	126R_IIV3	Invertebrate iridescent virus 3 (IIV-3) (Mosquito iridescent virus)
ATSDVEDEDNDQREEEWSDNDQPSTK	089L_IIV3	Invertebrate iridescent virus 3 (IIV-3) (Mosquito iridescent virus)
FVFAGIMKYDPK	VP4_MPRVN	Micromonas pusilla reovirus (isolate Netherlands/2005) (MpRV)
MTDGTNENAYMYEDNGK	VP5_APRVF	Aedes pseudoscutellaris reovirus (isolate France) (ApRV)
RHLANVSSQTEADEITDEEMLSAAESMEADASN	NP1_HBOC1	Primate bocaparvovirus 1 (strain Human bocavirus 1 type 1) (HBoV1) (Human bocavirus type 1)
ESPATSSEDISSCSDCDSER	YF1_MDBVW	Microplitis demolitor bracovirus (isolate Webb) (MdBV)
DEECNDHSDNETDEVPK	YB1_MDBVW	Microplitis demolitor bracovirus (isolate Webb) (MdBV)
LLNENKTEAYYGNLQCFK	LEF3_NPVOP	Orgyia pseudotsugata multicapsid polyhedrosis virus (OpMNPV)
QEDGSNDDEDEDESGDDDDFGAMPK	NCAP_BEFVB	Bovine ephemeral fever virus (strain BB7721) (BEFV)
GREDADDEEDDEEEPR	TRM1_EHV2	Equine herpesvirus 2 (strain 86/87) (EHV-2)
TCMSDSPSMYNETR	UL24_EHV2	Equine herpesvirus 2 (strain 86/87) (EHV-2)
KELHDGDVYVMGPGMQQTHK	RDRP_GVAIS	Grapevine virus A (isolate Is 151) (GVA)
VPSGDEDDAPASDDAEDAVGGDR	CVC1_HCMVM	Human cytomegalovirus (strain Merlin) (HHV-5) (Human herpesvirus 5)
DVDCLTEDECDFYK	RIR2_PSHV1	Psittacid herpesvirus 1 (isolate Amazon parrot/-/97-0001/1997) (PsHV-1) (Pacheco's disease virus)
CCDDCNQEGNWK	VE1_HPV60	Human papillomavirus type 60

SSSNSSSKSNDSSDAESSTCSSN	ORF23_TTVV4	Torque teno virus (isolate Human/Germany/KAV/2001) (TTV)
TTSACTDSEPEDSAGPSCAGMALSMFGRAK	MC160_MCV1	Molluscum contagiosum virus subtype 1 (MOCV) (MCVI)
MSDICWICNDVCDER	LAP_YLDV	Yaba-like disease virus (YLDV)
IEAESDSDDYILDDSDSDDGKCK	NSP5_ROTRF	Rotavirus A (strain RVA/Cow/France/RF/1975/G6P6[1]) (RV-A)
SIAGMNYNWSLIESNQKTNSYK	V219_FOWPN	Fowlpox virus (strain NVSL) (FPV)
FCMSEGLVGTTSANMGFR	PTASE_MBVLF	Mushroom bacilliform virus (isolate Australia/AUSLF-1) (MBV)
IEKTAVVSFIGFIVSQAAVTADVVR	RDRP_NCBVS	Nudaurelia capensis beta virus (isolate Pine emperor moth/South Africa) (NbetaV)

Supplementary Table S4: Statistical analysis of the number of proteins identified in the SARS-CoV-2 fatal patient plasma (FP), mild COVID-19 patient plasma (MP) and healthy plasma samples (HP).

Groups	*Count*	*Sum*	*Average*	*Variance*
Ave. quantity (FP)	1243	1840.742	1.480887	0.653944
Ave. quantity (MP)	760	640.0959	0.842231	0.249803
Ave. quantity (HP)	711	447.0533	0.628767	0.152798

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	387.4921	2	193.7461	473.0726	5.9E-177	2.999045
Within Groups	1110.285	2711	0.409548			
Total	1497.778	2713				

Supplementary Tables S5-S10: MS Excel Spreadsheets with analysis results of bacterial and viral proteins identified in the SARS-CoV-2 fatal patient plasma (FP), mild COVID-19 patient plasma (MP) and healthy plasma samples (HP).

Supplementary Tables S5-S10 are available at https://doi.org/10.5281/zenodo.5812022