

Gene	Name	COVID-19 Associated	Kidney	GI	Heart	Liver	Endothelium	Lung	Brain
ACE	angiotensin I converting enzyme	+	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AGT	angiotensinogen	+	Yes		Yes	Yes	Yes	Yes	Yes
CRP	C-reactive protein	+	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IFNG	interferon gamma	+	Yes		Yes	Yes	Yes	Yes	
IL10	interleukin 10	+	Yes		Yes	Yes		Yes	
IL1B	interleukin 1 beta	+	Yes		Yes	Yes	Yes	Yes	
IL2	interleukin 2	+	Yes		Yes	Yes		Yes	
IL4	interleukin 4	+	Yes		Yes	Yes			
IL6	interleukin 6	+	Yes		Yes	Yes	Yes	Yes	Yes
IL6R	interleukin 6 receptor	+	Yes		Yes				
JAK1	Janus kinase 1	+	Yes						
SOD1	superoxide dismutase 1	-	Yes			Yes			Yes
TMPRSS2	transmembrane serine protease 2	+	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TNF	tumor necrosis factor	+	Yes		Yes	Yes	Yes	Yes	Yes
ANPEP	alanyl aminopeptidase, membrane	+		Yes					
CXCL10	C-X-C motif chemokine ligand 10	+		Yes		Yes		Yes	Yes
CTSL	cathepsin L	+			Yes	Yes			Yes
MME	membrane metalloendopeptidase	+			Yes			Yes	
NLRP3	NLR family pyrin domain containing 3	+			Yes		Yes	Yes	
PLAT	plasminogen activator, tissue type	+			Yes		Yes		
PLG	plasminogen	+			Yes		Yes	Yes	
TLR4	toll like receptor 4	+			Yes		Yes	Yes	
CD4	CD4 molecule	+				Yes		Yes	Yes
CD8A	CD8a molecule	+				Yes		Yes	Yes
CXCL8	C-X-C motif chemokine ligand 8	+				Yes		Yes	
FCGR3A	Fc fragment of IgG receptor IIIa	+				Yes			
IFNA1	interferon alpha 1	-				Yes		Yes	
IFNB1	interferon beta 1	+				Yes		Yes	
C5AR1	complement C5a receptor 1	+					Yes	Yes	
CCL2	C-C motif chemokine ligand 2	+					Yes	Yes	Yes
CCL20	C-C motif chemokine ligand 20	+					Yes		
CCL4	C-C motif chemokine ligand 4	+					Yes		
CD209	CD209 molecule	+					Yes		
CD68	CD68 molecule	+					Yes		
HMGB1	high mobility group box 1	+					Yes	Yes	
IL17A	interleukin 17A	+					Yes	Yes	
SELE	selectin E	+					Yes		
VCAM1	vascular cell adhesion molecule 1	+					Yes		
VEGFA	vascular endothelial growth factor A	+					Yes	Yes	Yes
VWF	von Willebrand factor	+					Yes		
CCR5	C-C motif chemokine receptor 5	+						Yes	
CSF2	colony stimulating factor 2	+						Yes	Yes
HMOX1	heme oxygenase 1	+						Yes	
IL18	interleukin 18	+						Yes	
OAS2	2'-5'-oligoadenylate synthetase 2	+						Yes	
PARP1	poly(ADP-ribose) polymerase 1	+						Yes	
PYCARD	PYD and CARD domain containing	+						Yes	
APP	amyloid beta precursor protein	-							Yes
CASP3	caspase 3	-							Yes