

Table S4 *In vitro* studies of SARS-CoV-2 using hPSC-CM models

Author (Month Year)	Variant used	Title
Sharma, A. (Jul 2020)[1]	SARS-CoV-2/human/USA/WA1/2020	Human iPSC-Derived Cardiomyocytes Are Susceptible to SARS-CoV-2 Infection
Wong, C.K. (Sep 2020)[2]	Virus information not available	Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes Platform to Study SARS-CoV-2 Related Myocardial Injury
Bojkova, D. (Dec 2020)[3]	SARS-CoV-2/1/Human/2020/Frankfurt	SARS-CoV-2 infects and induces cytotoxic effects in human cardiomyocytes
	SARS-CoV-2/2/Human/2020/Frankfurt	
Li, Y. (Mar 2021)[4]	SARS-CoV-2/human/USA/WA1/2020	SARS-CoV-2 induces double-stranded RNA-mediated innate immune responses in respiratory epithelial-derived cells and cardiomyocytes
Marchiano, S. (Mar 2021)[5]	SARS-CoV-2/human/USA/WA1/2020	SARS-CoV-2 Infects Human Pluripotent Stem Cell-Derived Cardiomyocytes, Impairing Electrical and Mechanical Function
Bailey, A.L. (Apr 2021)[6]	SARS-CoV-2/human/USA/WA1/2020	SARS-CoV-2 Infects Human Engineered Heart Tissues and Models COVID-19 Myocarditis
Mills, R.J. (Apr 2021)[7]	hCoV-19/Australia/QLD02/2020	BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection
Perez-Bermejo, J.A. (Apr 2021)[8]	SARS-CoV-2/human/USA/WA1/2020	SARS-CoV-2 infection of human iPSC-derived cardiac cells reflects cytopathic features in hearts of patients with COVID-19
Williams, T.L. (Jul 2021)[9]	SARS-CoV-2/human/Liverpool/REMRQ0001/2020	Human embryonic stem cell-derived cardiomyocyte platform screens inhibitors of SARS-CoV-2 infection
Yang, L. (Sep 2021)[10]	SARS-CoV-2/human/USA/WA1/2020	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secreting CCL2
Navaratnarajah, C.K. (Dec 2021)[11]	SARS-CoV-2/UW-001/Human/2020/Wisconsin	Highly Efficient SARS-CoV-2 Infection of Human Cardiomyocytes: Spike

		Protein-Mediated Cell Fusion and Its Inhibition
Salerno, J.A. (Dec 2021)[12]	SARS-CoV-2/human/BRA/RJ01/2020	Inhibition of SARS-CoV-2 infection in human iPSC-derived cardiomyocytes by targeting the Sigma-1 receptor disrupts cytoarchitecture and beating
Nchioua, R. (Dec 2022)[13]	BetaCoV/Netherlands/01/NL/2020	Strong attenuation of SARS-CoV-2 Omicron BA.1 and increased replication of the BA.5 subvariant in human cardiomyocytes
	hCoV-19/Netherlands/NH-EMC-1720/2021	
	hCoV-19/USA/CO-CDPHE-2102544747/2021	
	B.1.617.2 (Delta)	
	B.1.1.529, BA.5 (Omicron BA.5)	

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