

The option classes listed below will begin trading on the MIAX Emerald Options Exchange at the start of trading on **Thursday, August 11, 2022**. All option classes on MIAX Emerald have an allocation style of Pro-Rata and billing style of Maker-Taker.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing	PLMM	Cloud
					Time		
BGXX	BRIGHT GREEN CORPORATION	BGXX	No	NASDAQ	4:00	Susquehanna Securities	2
BITI	PROSHARES SHORT BITCOIN STRATEGY ETF	BITI	No	NYSE Arca	4:00	Citadel Securities, LLC	2
CTS	CTS Corporation	CTS	No	NYSE	4:00	Citadel Securities, LLC	2
DBTX	DECIBEL THERAPEUTICS INC	DBTX	No	NASDAQ	4:00	Susquehanna Securities	3
DICE	DICE THERAPEUTICS, INC.	DICE	No	NASDAQ	4:00	Citadel Securities, LLC	3
ETNB	89BIO INC	ETNB	No	NASDAQ	4:00	Susquehanna Securities	3
HDRO	DEFIANCE NEXT GEN H2 ETF	HDRO	No	NYSE Arca	4:00	Wolverine Trading, LLC	4
HNRG	HALLADOR ENERGY CO	HNRG	No	NASDAQ	4:00	Wolverine Trading, LLC	4
OBE	OBSIDIAN ENERGY LTD	OBE	No	AMEX	4:00	Susquehanna Securities	7
PLRX	PLIANT THERAPEUTICS, INC.	PLRX	No	NASDAQ	4:00	Citadel Securities, LLC	7
PRCT	PROCEPT BIOROBOTICS CORP.	PRCT	No	NASDAQ	4:00	Susquehanna Securities	7
REK	ProShares Short Real Estate	REK	No	NYSE Arca	4:00	Wolverine Trading, LLC	7
ROIV	ROIVANT SCIENCES LTD SHS	ROIV	No	NASDAQ	4:00	Citadel Securities, LLC	7
USAK	USA TRUCK INC	USAK	No	NASDAQ	4:00	Susquehanna Securities	9
VCLT	Vanguard Long-Term Corporate Bond ETF	VCLT	No	NASDAQ	4:00	Wolverine Trading, LLC	9
VERV	VERVE THERAPEUTICS INC	VERV	No	NASDAQ	4:00	Citadel Securities, LLC	9

Please contact MIAX Options Listings with any questions.

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