



The option class listed below will begin trading on the MIAX Emerald Options Exchange at the start of trading on **Tuesday, September 1, 2020**. 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 Time	PLMM	Cloud
ACC	American Campus Communities, Inc.	ACC	No	NYSE	4:00	Wolverine Trading, LLC	1
ACMR	ACM Research, Inc.	ACMR	No	NASDAQ	4:00	Susquehanna Securities	1
ALLO	Allogene Therapeutics, Inc.	ALLO	No	NASDAQ	4:00	Susquehanna Securities	1
ALT	Altimmune, Inc.	ALT	No	NASDAQ	4:00	Citadel Securities, LLC	1
ARCT	Arcturus Therapeutics Holdings Inc.	ARCT	No	NASDAQ	4:00	Citadel Securities, LLC	1
ARKK	ARK Innovation ETF	ARKK	No	NYSE Arca	4:00	Wolverine Trading, LLC	1
BETZ	Roundhill Sports Betting & iGaming ETF	BETZ	No	NYSE Arca	4:00	Citadel Securities, LLC	2
BILL	Bill.com Holdings Inc	BILL	No	NYSE	4:00	Susquehanna Securities	2
BNTX	BioNTech SE	BNTX	No	NASDAQ	4:00	Citadel Securities, LLC	2
BPYU	Brookfield Property REIT Inc.	BPYU	No	NASDAQ	4:00	Wolverine Trading, LLC	2
BTAI	BioXcel Therapeutics Inc.	BTAI	No	NASDAQ	4:00	Citadel Securities, LLC	2
CAPR	Capricor Therapeutics, Inc.	CAPR	No	NASDAQ	4:00	Citadel Securities, LLC	2
CARR	Carrier Global Corporation	CARR	No	NYSE	4:00	Wolverine Trading, LLC	2
CHEF	The Chefs' Warehouse, Inc.	CHEF	No	NASDAQ	4:00	Wolverine Trading, LLC	2
CLSN	Celsion Corporation	CLSN	No	NASDAQ	4:00	Susquehanna Securities	2
CNHI	CNH Industrial N.V.	CNHI	No	NYSE	4:00	Citadel Securities, LLC	2
CNNE	Cannae Holdings, Inc.	CNNE	No	NYSE	4:00	Susquehanna Securities	2
CNST	Constellation Pharmaceuticals, Inc.	CNST	No	NASDAQ	4:00	Susquehanna Securities	2
COOP	Mr. Cooper Group Inc.	COOP	No	NASDAQ	4:00	Wolverine Trading, LLC	2
CRNC	Cerence Inc.	CRNC	No	NASDAQ	4:00	Wolverine Trading, LLC	2
DRIP	Direxion Daily S&P Oil & Gas Exp. & Prod. Bear 2X Shares (DRIP)	DRIP	No	NYSE Arca	4:00	Susquehanna Securities	3

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EQX	Equinox Gold Corp.	EQX	No	AMEX	4:00	Citadel Securities, LLC	3
EURN	Euronav NV	EURN	No	NYSE	4:00	Susquehanna Securities	3
EVFM	Evoform Biosciences, Inc.	EVFM	No	NASDAQ	4:00	Susquehanna Securities	3
FCAU	Fiat Chrysler Automobiles N.V.	FCAU	No	NYSE	4:00	Susquehanna Securities	3
FVRR	Fiverr International Ltd.	FVRR	No	NYSE	4:00	Wolverine Trading, LLC	3
GAN	GAN Limited	GAN	No	NASDAQ	4:00	Wolverine Trading, LLC	4
GILT	Gilat Satellite Networks Ltd.	GILT	No	NASDAQ	4:00	Citadel Securities, LLC	4
GNMK	GenMark Diagnostics, Inc.	GNMK	No	NASDAQ	4:00	Susquehanna Securities	4
GNPX	Genprex, Inc.	GNPX	No	NASDAQ	4:00	Citadel Securities, LLC	4
GNUS	Genius Brands International, Inc.	GNUS	No	NASDAQ	4:00	Susquehanna Securities	4
HTZ	Hertz Global Holdings, Inc.	HTZ	Yes	NYSE	4:00	Susquehanna Securities	4
INMD	InMode Ltd.	INMD	No	NASDAQ	4:00	Wolverine Trading, LLC	5
INVH	Invitation Homes Inc.	INVH	No	NYSE	4:00	Wolverine Trading, LLC	5
KTB	Kontoor Brands, Inc.	KTB	No	NYSE	4:00	Wolverine Trading, LLC	5
LAKE	Lakeland Industries, Inc.	LAKE	No	NASDAQ	4:00	Wolverine Trading, LLC	5
LOVE	The Lovesac Company	LOVE	No	NASDAQ	4:00	Susquehanna Securities	5
MFA	MFA Financial, Inc.	MFA	No	NYSE	4:00	Susquehanna Securities	6
MGP	MGM Growth Properties LLC	MGP	No	NYSE	4:00	Wolverine Trading, LLC	6
MYOK	MyoKardia, Inc.	MYOK	No	NASDAQ	4:00	Susquehanna Securities	6
NAIL	Direxion Daily Homebuilders & Supplies Bull 3X Shares	NAIL	No	NYSE Arca	4:00	Wolverine Trading, LLC	6
NBLX	Noble Midstream Partners LP	NBLX	No	NASDAQ	4:00	Citadel Securities, LLC	6
NBR	Nabors Industries Ltd.	NBR	No	NYSE	4:00	Citadel Securities, LLC	6
ONEM	1Life Healthcare, Inc.	ONEM	No	NASDAQ	4:00	Citadel Securities, LLC	7
OTIS	Otis Worldwide Corporation	OTIS	No	NYSE	4:00	Citadel Securities, LLC	7
OTRK	Ontrak, Inc.	OTRK	No	NASDAQ	4:00	Citadel Securities, LLC	7

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OVID	Ovid Therapeutics Inc.	OVID	No	NASDAQ	4:00	Citadel Securities, LLC	7
PFGC	Performance Food Group Company	PFGC	No	NYSE	4:00	Wolverine Trading, LLC	7
PK	Park Hotels & Resorts Inc.	PK	No	NYSE	4:00	Wolverine Trading, LLC	7
PPD	PPD, Inc.	PPD	No	NASDAQ	4:00	Wolverine Trading, LLC	7
PRPL	Purple Innovation, Inc.	PRPL	No	NASDAQ	4:00	Citadel Securities, LLC	7
PVAC	Penn Virginia Corporation	PVAC	No	NASDAQ	4:00	Susquehanna Securities	7
QTNT	Quotient Limited	QTNT	No	NASDAQ	4:00	Susquehanna Securities	7
SKYY	First Trust Cloud Computing ETF	SKYY	No	NASDAQ	4:00	Wolverine Trading, LLC	8
SLNO	Soleno Therapeutics, Inc.	SLNO	No	NASDAQ	4:00	Susquehanna Securities	8
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	SPHD	No	NYSE Arca	4:00	Wolverine Trading, LLC	8
SSL	Sasol Limited	SSL	No	NYSE	4:00	Wolverine Trading, LLC	8
TALO	Talos Energy Inc.	TALO	No	NYSE	4:00	Citadel Securities, LLC	8
TBIO	Translate Bio, Inc.	TBIO	No	NASDAQ	4:00	Susquehanna Securities	8
TIF	Tiffany & Co.	TIF	Yes	NYSE	4:00	Susquehanna Securities	8
TRIB	Trinity Biotech plc	TRIB	No	NASDAQ	4:00	Susquehanna Securities	8
TRTX	TPG RE Finance Trust, Inc.	TRTX	No	NYSE	4:00	Susquehanna Securities	8
USL	United States 12 Month Oil Fund, LP	USL	No	NYSE Arca	4:00	Citadel Securities, LLC	9
VBIV	VBI Vaccines Inc.	VBIV	No	NASDAQ	4:00	Citadel Securities, LLC	9
VERI	Veritone, Inc.	VERI	No	NASDAQ	4:00	Wolverine Trading, LLC	9
VVNT	Vivint Smart Home, Inc.	VVNT	No	NYSE	4:00	Wolverine Trading, LLC	9
WKHS	Workhorse Group Inc.	WKHS	No	NASDAQ	4:00	Wolverine Trading, LLC	10
WMG	Warner Music Group Corp.	WMG	No	NASDAQ	4:00	Wolverine Trading, LLC	10
WRTC	Wrap Technologies, Inc.	WRTC	No	NASDAQ	4:00	Citadel Securities, LLC	10
WSC	WillScot Corporation	WSC	No	NASDAQ	4:00	Wolverine Trading, LLC	10
WTRH	Waitr Holdings Inc.	WTRH	No	NASDAQ	4:00	Citadel Securities, LLC	10

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XP	XP Inc.	XP	No	NASDAQ	4:00	Susquehanna Securities	10
XSPA	XpresSpa Group, Inc.	XSPA	No	NASDAQ	4:00	Susquehanna Securities	10
ZYXI	Zynex, Inc.	ZYXI	No	NASDAQ	4:00	Citadel Securities, LLC	11

Please contact MIAX Options Listings with any questions.

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