



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Tuesday, November 22, 2016.**

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
ABEO	Abeona Therapeutics Inc.	ABEO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ACW	Accuride Corp.	ACW	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
ADPT	Adeptus Health Inc.	ADPT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
AFH	Atlas Financial Holdings, Inc.	AFH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	1
AMPH	Amphastar Pharmaceuticals, Inc.	AMPH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
AQXP	Aquinox Pharmaceuticals Inc.	AQXP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	1
ARE	Alexandria Real Estate Equities, Inc.	ARE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	1
AST	Asterias Biotherapeutics, Inc.	AST	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Citadel Securities, LLC	1
AVID	Avid Technology, Inc.	AVID	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	1
BAK	Braskem S.A.	BAK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	2
BLKB	Blackbaud Inc.	BLKB	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	2
BNED	Barnes & Noble Education, Inc.	BNED	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2



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BTG	B2Gold Corp.	BTG	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Susquehanna Securities	2
CAL	Caleres, Inc.	CAL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CALA	Calithera Biosciences, Inc.	CALA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CAS	A. M. Castle & Co.	CAS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CCP	Care Capital Properties, Inc.	CCP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CGI	Celadon Group Inc.	CGI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CHH	Choice Hotels International Inc.	CHH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CHMT	Chemtura Corporation	CHMT	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	3
CIA	Citizens Inc.	CIA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CNK	Cinemark Holdings, Inc.	CNK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CNO	CNO Financial Group, Inc.	CNO	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CPPL	Columbia Pipeline Partners LP	CPPL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CRBP	Corbus Pharmaceuticals Holdings, Inc.	CRBP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CRK	Comstock Resources Inc.	CRK	\$0.50, \$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	3



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CRNT	Ceragon Networks Ltd.	CRNT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	3
CRS	Carpenter Technology Corp.	CRS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CRY	CryoLife Inc.	CRY	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CUBE	CubeSmart	CUBE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	3
CVGW	Calavo Growers Inc.	CVGW	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
DLB	Dolby Laboratories, Inc.	DLB	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	4
DRD	DRDGOLD Ltd.	DRD	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	4
DVMT	Dell Technologies Inc.	DVMT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	4
DW	Drew Industries Incorporated	DW	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	4
E	Eni SpA	E	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	5
ECH	iShares MSCI Chile Capped	ECH	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	5
ELS	Equity LifeStyle Properties, Inc.	ELS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EPAY	Bottomline Technologies (de), Inc.	EPAY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	5
ERI	Eldorado Resorts, Inc.	ERI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	5



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EVDY	Everyday Health, Inc.	EVDY	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EVH	Evolent Health, Inc.	EVH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	5
FBR	Fibria Celulose S.A.	FBR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	6
FC	Franklin Covey Co.	FC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	6
FCH	FelCor Lodging Trust Incorporated	FCH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
FIX	Comfort Systems USA Inc.	FIX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	6
FN	Fabrinet	FN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	6
FRED	Fred's, Inc.	FRED	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	6
FRP	Fairpoint Communications, Inc.	FRP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	6
FTV	Fortive Corporation	FTV	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
GEF	Greif, Inc.	GEF	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	7
GEO	Geo Group Inc (The)	GEO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	7
GLOP	GasLog Partners LP	GLOP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	7
GNCA	Genocea Biosciences, Inc.	GNCA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	7



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GV	Goldfield Corp.	GV	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Susquehanna Securities	7
HLIT	Harmonic Inc.	HLIT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	8
HSII	Heidrick & Struggles International Inc.	HSII	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	8
IGN	iShares North American Tech-Multimd Ntwk	IGN	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	9
IIVI	II-VI Incorporated	IIVI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	9
IJS	iShares S&P Small-Cap 600 Value	IJS	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	9
ININ	Interactive Intelligence Group Inc.	ININ	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	9
IPCI	IntelliPharmaCeutics International Inc.	IPCI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	9
IRT	Independence Realty Trust, Inc.	IRT	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Wolverine Trading, LLC	9
ISLE	Isle of Capri Casinos, Inc.	ISLE	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	9
ITEK	Inotek Pharmaceuticals Corporation	ITEK	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	9
ITRI	Itron, Inc.	ITRI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	9
ITT	ITT Inc.	ITT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	9
KNOP	KNOT Offshore Partners LP	KNOP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	10



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KWEB	KraneShares CSI China Internet ETF	KWEB	Idx Link	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	10
LILAK	Liberty LiLAC Group	LILAK	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	11
LMNX	Luminex Corporation	LMNX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	11
LN	LINE Corporation	LN	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	11
LPL	LG Display Co., Ltd.	LPL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	11
MBB	iShares MBS	MBB	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Susquehanna Securities	12
MBUU	Malibu Boats, Inc.	MBUU	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	12
MDGN	Medgenics, Inc.	MDGN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	12
MERC	Mercer International Inc.	MERC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	12
MKTX	MarketAxess Holdings Inc.	MKTX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	12
MSCC	Microsemi Corporation	MSCC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	12
MSM	MSC Industrial Direct Co. Inc.	MSM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	12
NCI	Navigant Consulting Inc.	NCI	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	13
OMN	OMNOVA Solutions Inc.	OMN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	14



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PBA	Pembina Pipeline Corporation	PBA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	14
PCYG	Park City Group Inc.	PCYG	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	14
PETX	Aratana Therapeutics, Inc.	PETX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	14
PFSI	PennyMac Financial Services, Inc.	PFSI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	14
PICO	PICO Holdings Inc.	PICO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	14
PMC	PharMerica Corporation	PMC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	14
PN	Patriot National, Inc.	PN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	14
PRAH	PRA Health Sciences, Inc.	PRAH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	14
RIGP	Transocean Partners LLC	RIGP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	15
ROIC	Retail Opportunity Investments Corp.	ROIC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	15
RSYS	RadiSys Corporation	RSYS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	15
RWT	Redwood Trust, Inc.	RWT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	15
RYI	Ryerson Holding Corporation	RYI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	15
SAFT	Safety Insurance Group Inc.	SAFT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	16



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SEED	Origin Agritech Limited	SEED	Standard	Standard	Yes	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	16
SFR	Colony Starwood Homes	SFR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SLX	VanEck Vectors Steel ETF	SLX	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:15	Wolverine Trading, LLC	16
SORL	SORL Auto Parts, Inc.	SORL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	16
SPWH	Sportsman's Warehouse Holdings, Inc.	SPWH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	16
STOR	STORE Capital Corporation	STOR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SYNT	Syntel, Inc.	SYNT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	16
TBPH	Theravance Biopharma, Inc.	TBPH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	17
TEO	Telecom Argentina S.A.	TEO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	17
TI	Telecom Italia S.p.A.	TI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	17
TOWN	TowneBank	TOWN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	17
TSL	Trina Solar Limited	TSL	\$1.00	Standard	Yes	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	17
UAC	Under Armour, Inc.	UAC	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	18
UDR	UDR, Inc.	UDR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	18



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UNVR	Univar Inc.	UNVR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	18
UVV	Universal Corporation	UVV	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	18
VEC	Vectrus, Inc.	VEC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	19
VIA	Viacom, Inc.	VIA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	19
WK	Workiva Inc.	WK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	19
WLTW	Willis Towers Watson Public Limited Company	WLTW	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	19
WPPGY	WPP plc	WPPGY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	19
XBIT	XBiotech, Inc.	XBIT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	20
XHR	Xenia Hotels & Resorts, Inc.	XHR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	20
XLRE	Real Estate Select Sector SPDR	XLRE	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Susquehanna Securities	20
XNET	Xunlei Limited	XNET	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	20
ZYNE	Zynerba Pharmaceuticals, Inc.	ZYNE	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	21

Please contact MIAX Options Listings with any questions.

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