

MIAX Sapphire Options Exchange Regulatory Circular 2024-52

DATE: September 27, 2024

TO: MIAX Sapphire Options Members

FROM: MIAX Regulatory Department

RE: Market for Underlying Security Used for Openings on MIAX Sapphire Options Effective Monday, September 30, 2024

The following symbols will start trading on MIAX Sapphire Options (the “Exchange”) beginning Monday, September 30, 2024. As set forth in MIAX Sapphire Options Rule 503(a)(3), the Exchange shall use the market listed below as the “market for the underlying security” for the purpose of Openings on the Exchange.

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
AB	ALLIANCEBERNSTEIN HOLDING L.P.	NYSE
ABAT	AMERICAN BATTERY TECHNOLOGY CO.	NASDAQ
ABEO	ABEONA THERAPEUTICS INC.	NASDAQ
ABG	ASBURY AUTOMOTIVE GROUP INCCOM	NYSE
ABM	ABM INDUSTRIES INCORPORATED	NYSE
ABSI	ABSCI CORPORATION	NASDAQ
ACHC	ACADIA HEALTHCARE CO INC	NASDAQ
ACHV	ACHIEVE LIFE SCIENCES, INC.	NASDAQ
ACIC	AMERICAN COASTAL INSURANCE CORPORATION	NASDAQ
ACIU	AC IMMUNE SA	NASDAQ
ACTG	ACACIA RESEARCH CORPORATION	NASDAQ
ADAP	ADAPTIMMUNE THERAPEUTICS PLC	NASDAQ
ADT	ADT INC.	NYSE
ADTN	ADTRAN, INC.	NASDAQ
ADVM	ADVERUM BIOTECHNOLOGIES, INC.	NASDAQ
AEE	AMEREN CORPORATION	NYSE
AESI	ATLAS ENERGY SOLUTIONS INC	NYSE
AGCO	AGCO CORPORATION	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
AGG	ISHARES CORE U.S. AGGREGATE BOND ETF	NYSE Arca
AGO	ASSURED GUARANTY LTD.	NYSE
AHT	ASHFORD HOSPITALITY TRUST, INC.	NYSE
AIQ	GLOBAL X ARTIFICIAL INTELLIGENCE & TECHNOLOGY ETF	NASDAQ
AJG	ARTHUR J. GALLAGHER & CO.	NYSE
AKRO	AKERO THERAPEUTICS, INC.	NASDAQ
AKTS	AKOUSTIS TECHNOLOGIES, INC	NASDAQ
AL	AIR LEASE CORP	NYSE
ALKS	ALKERMES PLC	NASDAQ
ALKT	ALKAMI TECHNOLOGY INC	NASDAQ
ALLO	ALLOGENE THERAPEUTICS, INC.	NASDAQ
ALTR	ALTAIR ENGINEERING INC	NASDAQ
AMBP	ARDAGH METAL PACKAGING S.A.	NYSE
AMDL	GRANITESHARES 2X LONG AMD DAILY ETF	NASDAQ
AME	AMETEK, INC.	NYSE
AMED	AMEDISYS INC	NASDAQ
AMLP	ALERIAN MLP ETF	NYSE Arca
AMN	AMN HEALTHCARE SERVICES, INC.	NYSE
AMP	AMERIPRISE FINANCIAL INC	NYSE
AMPS	ALTUS POWER, INC.	NYSE
AMPX	AMPRIUS TECHNOLOGIES INC	NYSE
AMRX	AMNEAL PHARMACEUTICALS, INC.	NASDAQ
AMZU	DIREXION DAILY AMZN BULL 2X SHARES	NASDAQ
APAM	ARTISAN PARTNERS ASSET MANAGEMENT, INC.	NYSE
APLE	APPLE HOSPITALITY REIT, INC.	NYSE
APLT	APPLIED THERAPEUTICS, INC.	NASDAQ
ARBE	ARBE ROBOTICS LTD	NASDAQ
ARBK	ARGO BLOCKCHAIN PLC	NASDAQ
ARCB	ARCBEST CORPORATION	NASDAQ
ARCO	ARCOS DORADOS HOLDINGS INC. CLA	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
ARCT	ARCTURUS THERAPEUTICS HOLDINGS INC.	NASDAQ
ARGX	ARGENX SE	NASDAQ
ARKF	ARK FINTECH INNOVATION	NYSE Arca
ARLO	ARLO TECHNOLOGIES, INC.	NYSE
AROC	ARCHROCK, INC.	NYSE
ARVN	ARVINAS, INC	NASDAQ
AS	AMER SPORTS INC	NYSE
ASLE	AERSALE CORPORATION	NASDAQ
ASND	ASCENDIS PHARMA A/S	NASDAQ
ASX	ASE TECHNOLOGY HOLDING CO., LTD.	NYSE
ATAI	ATAI LIFE SCIENCES N.V.	NASDAQ
ATGE	ADTALEM GLOBAL EDUCATION INC.	NYSE
ATI	ALLEGHENY TECHNOLOGIES, INC.	NYSE
ATLX	ATLAS LITHIUM CORP	NASDAQ
ATNM	ACTINIUM PHARMACEUTICALS, INC.	NYSE American
ATRC	ATRICURE INC	NASDAQ
ATSG	AIR TRANSPORT SERVICES GROUP INC.	NASDAQ
AUGX	AUGMEDIX INC	NASDAQ
AVDX	AVIDXCHANGE HOLDINGS INC	NASDAQ
AVY	AVERY DENNISON CORP.	NYSE
AXTI	AXT, INC.	NASDAQ
AZTA	AZENTA, INC	NASDAQ
AZZ	AZZ INCORPORATED	NYSE
B	BARNES GROUP INC.	NYSE
BAND	BANDWIDTH, INC	NASDAQ
BBAR	BBVA BANCO FRANCES S.A	NYSE
BBW	BUILD-A-BEAR WORKSHOP, INC	NYSE
BCAB	BIOATLA, INC.	NASDAQ
BCLI	BRAINSTORM CELL THERAPEUTICS INC.	NASDAQ
BCO	THE BRINK'S COMPANY	NYSE
BDTX	BLACK DIAMOND THERAPEUTICS, INC.	NASDAQ
BECN	BEACON ROOFING SUPPLY, INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
BEP	BROOKFIELD RENEWABLE PARTNERS LP	NYSE
BEPC	BROOKFIELD RENEWABLE CORPORATION	NYSE
BEST	BEST INC.	NYSE
BFLY	BUTTERFLY NETWORK, INC.	NYSE
BGFV	BIG 5 SPORTING GOODS CORP.	NASDAQ
BHF	BRIGHTHOUSE FINANCIAL, INC.	NASDAQ
BHR	BRAEMAR HOTELS & RESORTS INC.	NYSE
BIP	BROOKFIELD INFRASTRUCTURE PARTNERS L.P.	NYSE
BITQ	BITWISE CRYPTO INDUSTRY INNOVATORS ETF	NYSE Arca
BKE	THE BUCKLE, INC.	NYSE
BLDE	BLADE AIR MOBILITY, INC.	NASDAQ
BLDP	BALLARD POWER SYSTEMS INC	NASDAQ
BLND	BLEND LABS, INC	NYSE
BLOK	AMPLIFY TRANSFORMATIONAL DATA SHARING ETF	NYSE Arca
BLZE	BACKBLAZE, INC.	NASDAQ
BMA	BANCO MACRO S.A.	NYSE
BMTX	BM TECHNOLOGIES, INC.	NYSE American
BND	VANGUARD TOTAL BOND MARKET ETF	NASDAQ
BORR	BORR DRILLING LIMITED	NYSE
BOTZ	GLOBAL X ROBOTICS & ARTFCL INTLLGNC ETF	NASDAQ
BRAG	BRAGG GAMING GROUP INC.	NASDAQ
BRFS	BRF - BRASIL FOODS SA	NYSE
BRKR	BRUKER CORPORATION	NASDAQ
BRO	BROWN & BROWN, INC	NYSE
BSM	BLACK STONE MINERALS L.P.	NYSE
BSY	BENTLEY SYSTEMS INCORPORATED	NASDAQ
BTAI	BIOXCEL THERAPEUTICS INC.	NASDAQ
BTE	BAYTEX ENERGY CORP.	NYSE
BYRN	BYRNA TECHNOLOGIES INC.	NASDAQ
BZUN	BAOZUN INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CALM	CAL-MAINE FOODS, INC.	NASDAQ
CALX	CALIX, INC.	NYSE
CARG	CARGURUS, INC.	NASDAQ
CBL	CBL & ASSOCIATES PROPERTIES, INC.	NYSE
CCLD	CARECLOUD, INC.	NASDAQ
CCO	CLEAR CHANNEL OUTDOOR HLD INC CL. A	NYSE
CDMO	AVID BIOSERVICES, INC.	NASDAQ
CE	CELANESE CORPORATION	NYSE
CFR	CULLEN/FROST BANKERS INC.	NYSE
CGEM	CULLINAN ONCOLOGY, INC.	NASDAQ
CGEN	COMPUGEN LTD.	NASDAQ
CGNT	COGYTE SOFTWARE LTD	NASDAQ
CGNX	COGNEX CORPORATION	NASDAQ
CHD	CHURCH & DWIGHT CO.	NYSE
CHDN	CHURCHILL DOWNS, INC.	NASDAQ
CHKP	CHECK POINT SOFTWARE TECHNOLOGIES LTD.	NASDAQ
CHRD	CHORD ENERGY CORPORATION	NASDAQ
CHRS	COHERUS BIOSCIENCES, INC.	NASDAQ
CHX	CHAMPIONX CORPORATION	NASDAQ
CIBR	FIRST TRUST NASDAQ CYBERSECURITY ETF	NASDAQ
CINF	CINCINNATI FINANCIAL CORP.	NASDAQ
CKPT	CHECKPOINT THERAPEUTICS, INC.	NASDAQ
CLFD	CLEARFIELD, INC.	NASDAQ
CLH	CLEAN HARBORS INC	NYSE
CLRB	CELLECTAR BIOSCIENCES, INC.	NASDAQ
CMC	COMMERCIAL METALS COMPANY	NYSE
CNDT	CONDUENT INCORPORATED	NASDAQ
CNXC	CONCENTRIX CORPORATION	NASDAQ
COCO	VITA COCO COMPANY, INC.	NASDAQ
COGT	COGENT BIOSCIENCES, INC.	NASDAQ
COLB	COLUMBIA BANKING SYSTEM, INC.	NASDAQ
COLD	AMERICOLD REALTY TRUST	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
COOP	MR. COOPER GROUP INC.	NASDAQ
CPAY	CORPAY, INC.	NYSE
CPRX	CATALYST PHARMACEUTICAL PARTNES INC.	NASDAQ
CRBU	CARIBOU BIOSCIENCES, INC.	NASDAQ
CRCT	CRICUT, INC.	NASDAQ
CRDF	CARDIFF ONCOLOGY, INC.	NASDAQ
CRNT	CERAGON NETWORKS LTD.	NASDAQ
CRSR	CORSAIR GAMING, INC.	NASDAQ
CSL	CARLISLE COMPANIES INCORPORATED	NYSE
CSV	CARRIAGE SERVICES, INC.	NYSE
CTRN	CITI TRENDS, INC.	NASDAQ
CURV	TORRID HOLDINGS INC.	NYSE
CVGW	CALAVO GROWERS INC.	NASDAQ
CWK	CUSHMAN WAKEFIELD PLC	NYSE
DAKT	DAKTRONICS INC.	NASDAQ
DAVA	ENDAVA PLC	NYSE
DAWN	DAY ONE BIOPHARMACEUTICALS, INC.	NASDAQ
DBC	POWESHARES DB COMMODITY INDEX TRACKING FUND	NYSE Arca
DCOM	DIME COMMUNITY BANCSHARES, INC.	NASDAQ
DCTH	DELCATH SYSTEM INC	NASDAQ
DEA	EASTERLY GOVERNMENT PROPERTIES, INC.	NYSE
DFEN	DIREXION DAILY AEROSPACE & DEFENSE BULL 3X SHARES DIREXION DAILY AEROSPACE	NYSE Arca
DFLI	DRAGONFLY ENERGY HOLDINGS CORP	NASDAQ
DIN	DINEEQUITY, INC	NYSE
DK	DELEK US HOLDINGS, INC.	NYSE
DMRC	DIGIMARC CORPORATION	NASDAQ
DOLE	DOLE PLS	NYSE
DOUG	DOUGLAS ELLIMAN INC.	NYSE
DRD	DRDGOLD LTD.	NYSE
DRS	LEONARDO DRS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
DRVN	DRIVEN BRANDS HOLDINGS INC	NASDAQ
DTE	DTE ENERGY COMPANY	NYSE
DVAX	DYNAVAX TECHNOLOGIES CORPORATION	NASDAQ
DX	DYNEX CAPITAL, INC.	NYSE
DXD	PROSHARES ULTRASHORT DOW30 (25 SHARES)	NYSE Arca
DY	DYCOM INDUSTRIES INC.	NYSE
DYN	DYNE THERAPEUTICS INC	NASDAQ
EETH	PROSHARES ETHER STRATEGY ETF	NYSE Arca
EFC	ELLINGTON FINANCIAL LLC	NYSE
EG	EVEREST GROUP, LTD.	NYSE
EME	EMCOR GROUP INC	NYSE
EMX	EMX ROYALTY CORP	NYSE American
ENLC	ENLINK MIDSTREAM, LLC	NYSE
ENS	ENERSYS	NYSE
ENV	ENVESTNET, INC.	NYSE
EOLS	EVOLUS, INC.	NASDAQ
EPR	EPR PROPERTIES	NYSE
EQH	AXA EQUITABLE HOLDINGS, INC.	NYSE
ES	EVERSOURCE ENERGY	NYSE
ETHU	2X ETHER ETF	CBOE BZX
ETNB	89BIO INC	NASDAQ
ETR	ENTERGY CORPORATION	NYSE
EVER	EVERQUOTE INC	NASDAQ
EVRG	EVERGY, INC.	NASDAQ
EXAI	EXSCIENTIA PLC SPONSORED ADR	NASDAQ
EXFY	EXPENSIFY, INC.	NASDAQ
EXP	EAGLE MATERIALS INC.	NYSE
EXR	EXTRA SPACE STORAGE INC.	NYSE
EZU	ISHARES MSCI EUROZONE	CBOE BZX
FDS	FACTSET RESEARCH SYSTEMS	NYSE
FF	FUTUREFUEL CORP	NYSE
FFIV	F5 NETWORKS, INC.	NASDAQ
FFWM	FIRST FOUNDATION, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
FICO	FAIR ISAAC CORPORATION	NYSE
FIP	FTAI INFRASTRUCTURE INC.	NASDAQ
FIX	COMFORT SYSTEMS USA INC.	NYSE
FIZZ	NATIONAL BEVERAGE CORP	NASDAQ
FLS	FLOWSERVE CORP.	NYSE
FLUX	FLUX POWER HOLDINGS, INC	NASDAQ
FMX	FOMENTO ECONOMICO MEXICANO, S.A.B. DE C.V.	NYSE
FN	FABRINET	NYSE
FNF	FIDELITY NATIONAL FINANCIAL	NYSE
FNKO	FUNKO, INC.	NASDAQ
FOLD	AMICUS THERAPEUTICS, INC.	NASDAQ
FOXF	FOX FACTORY HOLDING CORP.	NASDAQ
FPI	FARMLAND PARTNERS INC.	NYSE
FRHC	FREEDOM HOLDING CORP.	NASDAQ
FTS	FORTIS INC.	NYSE
FTV	FORTIVE CORPORATION	NYSE
FUN	SIX FLAGS ENTERTAINMENT CORPORATION	NYSE
FWONK	LIBERTY MEDIA CORPORATION SERIES C LIBERTY FORMULA ONE	NASDAQ
FXC	CURRENCYSHARES CANADIAN DOLLAR TRUST	NYSE Arca
GALT	GALECTIN THERAPEUTICS, INC.	NASDAQ
GASS	STEALTHGAS INC	NASDAQ
GAU	GALIANO GOLD INC.	NYSE American
GEVO	GEVO, INC.	NASDAQ
GFL	GFL ENVIRONMENTAL INC.	NYSE
GGB	GERDAU S.A. (ADR)	NYSE
GIII	G-III APPAREL GROUP LTD	NASDAQ
GIL	GILDAN ACTIVEWEAR INC	NYSE
GKOS	GLAUKOS CORPORATION	NYSE
GLDD	GREAT LAKES DREDGE & DOCK	NASDAQ
GLPI	GAMING AND LEISURE PROPERTIES INC	NASDAQ
GMED	GLOBUS MEDICAL, INC.	NYSE
GNK	GENCO SHIPPING & TRADING LTD	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
GNL	GLOBAL NET LEASE, INC.	NYSE
GNTX	GENTEX CORP.	NASDAQ
GO	GROCERY OUTLET HOLDING CORP	NASDAQ
GPMT	GRANITE POINT MORTGAGE TRUST INC.	NYSE
GRAL	GRAIL INC	NASDAQ
GRBK	GREEN BRICK PARTNERS, INC.	NYSE
GROY	GOLD ROYALTY CORP.	NYSE American
GRTS	GRITSTONE ONCOLOGY INC	NASDAQ
GSBD	GOLDMAN SACHS BDC, INC	NYSE
GTE	GRAN TIERRA ENERGY INC.	NYSE American
GTLS	CHART INDUSTRIES INC	NYSE
HAE	HAEMONETICS CORPORATION	NYSE
HDV	ISHARES HIGH DIVIDEND EQUITY FUND	NYSE Arca
HEI	HEICO CORPORATION	NYSE
HESM	HESS MIDSTREAM LP	NYSE
HHH	HOWARD HUGHES HOLDINGS INC.	NYSE
HII	HUNTINGTON INGALLS INDUSTRIES, INC.	NYSE
HITI	HIGH TIDE, INC.	NASDAQ
HIW	HIGHWOODS PROPERTIES, INC.	NYSE
HLIT	HARMONIC INC	NASDAQ
HLX	HELIX ENERGY SOLUTIONS GROUP INC	NYSE
HOOK	HOOKIPA PHARMA, INC.	NASDAQ
HOUS	ANYWHERE REAL ESTATE INC.	NYSE
HQY	HEALTHEQUITY, INC.	NASDAQ
HRTG	HERITAGE INSURANCE HOLDINGS, INC.	NYSE
HSAI	HESAI GROUP	NASDAQ
HSIC	HENRY SCHEIN, INC.	NASDAQ
HUBB	HUBBELL INCORPORATED	NYSE
HUBG	HUB GROUP, INC.	NASDAQ
HUYA	HUYA INC.	NYSE
HZO	MARINEMAX , INC.	NYSE
IAS	INTEGRAL AD SCIENCE HOLDING CORP	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
IAT	ISHARES US REGIONAL BANKS	NYSE Arca
IBP	INSTALLED BUILDING PRODUCTS, INC.	NYSE
ICLR	ICON PUBLIC LIMITED COMPANY	NASDAQ
IDCC	INTERDIGITAL, INC.	NASDAQ
IDXX	IDEXX LABORATORIES, INC.	NASDAQ
IEFA	ISHARES CORE MSCI EAFE ETF	CBOE BZX
IHRT	IHEARTMEDIA INC	NASDAQ
IIIV	I3 VERTICALS INC	NASDAQ
IMCR	IMMUNOCORE HOLDINGS PLC	NASDAQ
IMNM	IMMUNOME, INC	NASDAQ
IMTX	IMMATICS N.V.	NASDAQ
INDV	INDIVIOR PLC	NASDAQ
INGN	INOGEN, INC.	NASDAQ
INMB	IMMUNE BIO INC	NASDAQ
INSE	INSPIRED ENTERTAINMENT, INC.	NASDAQ
INST	INSTRUCTURE HOLDINGS, INC.	NYSE
INSW	INTERNATIONAL SEAWAYS, INC	NYSE
IPI	INTREPID POTASH, INC.	NYSE
IRTC	IRHYTHM TECHNOLOGIES, INC	NASDAQ
IT	GARTNER, INC.	NYSE
ITA	ISHARES US AEROSPACE AND DEFENSE ETF	CBOE BZX
IWD	ISHARES RUSSELL 1000 VALUE ETF	NYSE Arca
IWF	ISHARES RUSSELL 1000 GROWTH ETF	NYSE Arca
IWO	ISHRS RUSSELL 2000 GROWTH INDX	NYSE Arca
JAMF	JAMF HOLDING CORP	NASDAQ
JELD	JELD-WEN HOLDING, INC	NYSE
JOE	ST. JOE CORPORATION	NYSE
KC	KINGSOFT CLOUD HOLDINGS LIMITED	NASDAQ
KIM	KIMCO REALTY CORP.	NYSE
KIND	NEXTDOOR HOLDINGS, INC.	NYSE
KIRK	KIRKLAND'S INC.	NASDAQ
KLIC	KULICKE AND SOFFA IND INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
KLXE	KLX ENERGY SERVICES HOLDINGS, INC.	NASDAQ
KNDI	KANDI TECHNOLOGIES CORPORATION	NASDAQ
KNSL	KINSALE CAPITAL GROUP INC	NYSE
KNTK	KINETIK HOLDINGS INC.	NYSE
KRP	KIMBELL ROYALTY PARTNERS LP	NYSE
KRYS	KRYSTAL BIOTECH, INC.	NASDAQ
KZIA	KAZIA THERAPEUTICS LTD	NASDAQ
LAD	LITHIA MOTORS INC	NYSE
LAMR	LAMAR ADVERTISING COMPANY	NASDAQ
LBRT	LIBERTY OILFIELD SERVICES INC	NYSE
LCII	LCI INDUSTRIES (LCII)	NYSE
LDI	LOANDEPOT, INC.	NYSE
LEA	LEAR CORPORATION	NYSE
LEV	LION ELECTRIC COMPANY	NYSE
LGIH	LGI HOMES, INC.	NASDAQ
LH	LABORATORY CORP OF AMER HLDG	NYSE
LIVN	LIVANOVA PLC	NASDAQ
LNW	LIGHT & WONDER, INC.	NASDAQ
LOCO	EL POLLO LOCO HOLDINGS, INC.	NASDAQ
LOPE	GRAND CANYON EDUCATION, INC.	NASDAQ
LRMR	LARIMAR THERAPEUTICS, INC.	NASDAQ
LTBR	LIGHTBRIDGE CORP	NASDAQ
LUNA	LUNA INNOVATIONS INC	NASDAQ
LVO	LIVEONE, INC.	NASDAQ
LWLG	LIGHTWAVE LOGIC, INC.	NASDAQ
LYRA	LYRA THERAPEUTICS, INC.	NASDAQ
MAIN	MAIN STREET CAPITAL CORPORATION	NYSE
MAMA	MAMAS CREATIONS, INC.	NASDAQ
MANH	MANHATTAN ASSOCIATES INC.	NASDAQ
MAPS	WM TECHNOLOGY, INC	NASDAQ
MASI	MASIMO CORPORATION	NASDAQ
MCO	MOODY'S CORPORATION	NYSE
MDXG	MIMEDX GROUP, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
MEDP	MEDPACE HOLDINGS, INC	NASDAQ
MEI	METHODE ELECTRONICS, INC.	NYSE
MESA	MESA AIR GROUP INC	NASDAQ
MFA	MFA FINANCIAL INC	NYSE
MFIC	MIDCAP FINANCIAL INVESTMENT CORPORATION	NASDAQ
MGK	VANGUARD MEGA CAP 300 GROWTH ETF	NYSE Arca
MGY	MAGNOLIA OIL & GAS CORPORATION	NYSE
MITK	MITEK SYSTEMS, INC.	NASDAQ
MITT	AG MORTGAGE INVESTMENT TRUST, INC.	NYSE
MKTX	MARKETAXESS HOLDINGS INC.	NASDAQ
MLI	MUELLER INDUSTRIES INC	NYSE
MLM	MARTIN MARIETTA MATERIALS INC	NYSE
MMLP	MARTIN MIDSTREAM PARTNERS LP	NASDAQ
MNRO	MONRO, INC.	NASDAQ
MNSO	MINISO GROUP HOLDING LTD.	NYSE
MRSN	MERSANA THERAPEUTICS, INC.	NASDAQ
MSGE	MADISON SQUARE GARDEN ENTERTAINMENT CORP	NYSE
MSI	MOTOROLA INC (REVERSE SPLIT)	NYSE
MTA	METALLA ROYALTY & STREAMING LTD.	NYSE American
MTSI	MACOM TECHNOLOGY SOLUTIONS HOLDINGS, INC.	NASDAQ
MUR	MURPHY OIL CORPORATION	NYSE
MUSA	MURPHY USA INC.	NYSE
MYGN	MYRIAD GENETICS INC	NASDAQ
NANC	UNUSUAL WHALES SUBVERSIVE DEMOCRATIC TRADING ETF	CBOE BZX
NARI	INARI MEDICAL, INC	NASDAQ
NAVI	NAVIENT CORPORATION	NASDAQ
NCMI	NATIONAL CINENEDIA INC	NASDAQ
NEON	NEONODE INC.	NASDAQ
NFG	NATIONAL FUEL GAS COMPANY	NYSE
NFGC	NEW FOUND GOLD	NYSE American

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
NGL	NGL ENERGY PARTNERS L.P.	NYSE
NKTR	NEKTAR THERAPEUTICS	NASDAQ
NNN	NATIONAL RETAIL PROPERTIES, INC.	NYSE
NNVC	NANOVIRICIDES, INC	NYSE American
NOAH	NOAH HOLDINGS, LTD.	NYSE
NOTV	INOTIV, INC.	NASDAQ
NRDY	NERDY INC.	NYSE
NSSC	NAPCO SECURITY TECHNOLOGIES, INC.	NASDAQ
NVDQ	T-REX 2X INVERSE NVIDIA DAILY TARGET	CBOE BZX
NVEI	NUVEI CORPORATION	NASDAQ
NVGS	NAVIGATOR HOLDINGS LTD.	NYSE
NVST	ENVISTA HOLDINGS CORP	NYSE
NWG	NATWEST GROUP PLC	NYSE
NYT	NEW YORK TIMES COMPANY	NYSE
OBE	OBSIDIAN ENERGY LTD	NYSE American
OC	OWENS CORNING INC.	NYSE
OGI	ORGANIGRAM HOLDINGS INC	NASDAQ
OII	OCEANEERING INTERNATIONAL, INC	NYSE
OM	OUTSET MEDICAL, INC.	NASDAQ
ONB	OLD NATIONAL BANCORP	NASDAQ
ONEW	ONEWATER MARINE INC	NASDAQ
OPCH	OPTION CARE HEALTH, INC	NASDAQ
OPI	(NEW) OFFICE PROPERTIES INCOME TRUST	NASDAQ
OPRX	OPTIMIZERX CORPORATION	NASDAQ
ORC	ORCHID ISLAND CAPITAL, INC.	NYSE
ORI	OLD REPUBLIC INTERNATIONAL CORPORATION	NYSE
OUT	OUTFRONT MEDIA INC.	NYSE
PAG	PENSKE AUTOMOTIVE GROUP INC	NYSE
PAY	PAYMENTUS HOLDINGS, INC	NYSE
PAYS	PAYSIGN, INC.	NASDAQ
PBYI	PUMA BIOTECHNOLOGY, INC.	NASDAQ
PCVX	VAXCYTE, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
PEN	PENUMBRA, INC	NYSE
PETS	PETMED EXPRESS, INC.	NASDAQ
PFG	PRINCIPAL FINANCIAL GROUP, INC.	NASDAQ
PFSI	PENNYMAC FINANCIAL SERVICES, INC.	NYSE
PGEN	PRECIGEN, INC.	NASDAQ
PHIN	PHINIA INC.	NYSE
PHR	PHREESIA, INC.	NYSE
PI	IMPINJ, INC.	NASDAQ
PKG	PACKAGING CORP OF AMERICA	NYSE
PLAB	PHOTRONICS INC.	NASDAQ
PLBY	PLBY GROUP, INC.	NASDAQ
PLG	PLATINUM GROUP METALS LTD.	NYSE American
PNW	PINNACLE WEST CAPITAL CORPORATION	NYSE
POOL	POOL CORPORATION	NASDAQ
POST	POST HOLDINGS, INC.	NYSE
POWL	POWELL INDUSTRIES, INC.	NASDAQ
PRFT	PERFICIENT, INC.	NASDAQ
PRG	PROG HOLDINGS, INC.	NYSE
PRGS	PROGRESS SOFTWARE CORPORATION	NASDAQ
PRME	PRIME MEDICINE, INC.	NASDAQ
PROK	PROKIDNEY CORP. CLASS A	NASDAQ
PRTS	CARPARTS.COM, INC	NASDAQ
PSQ	PROSHARES SHORT QQQ	NYSE Arca
PSQH	PSQ HOLDINGS, INC. (PSQH)	NYSE
PTC	PTC INC.	NASDAQ
PTCT	PTC THERAPEUTICS, INC.	NASDAQ
PWP	PERELLA WEINBERG PARTNERS	NASDAQ
PX	P10, INC.	NYSE
PYCR	PAYCOR HCM, INC.	NASDAQ
QLYS	QUALYS, INC.	NASDAQ
QNST	QUINSTREET, INC.	NASDAQ
QQQE	DIREXION NASDAQ-100 EQUAL WEIGHTED INDEX SHARES	NASDAQ
QUBT	QUANTUM COMPUTING INC.	NASDAQ
QUIK	QUICKLOGIC CORPORATION	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
RAMP	LIVERAMP HOLDINGS, INC.	NYSE
RANI	RANI THERAPEUTICS HOLDINGS, INC.	NASDAQ
RAPT	RAPT THERAPEUTICS, INC.	NASDAQ
RARE	ULTRAGENYX PHARMACEUTICAL INC.	NASDAQ
RCAT	RED CAT HOLDINGS, INC.	NASDAQ
RCI	ROGERS COMMUNICATION, INC.	NYSE
RCKT	ROCKET PHARMACEUTICALS, INC.	NASDAQ
RDN	RADIAN GROUP INC.	NYSE
RDUS	SCHNITZER STEEL INDUSTRIES, INC.	NASDAQ
REAX	REAL BROKERAGE INC.	NASDAQ
RELY	REMITLY GLOBAL, INC	NASDAQ
REM	ISHARES MORTGAGE REAL ESTATE ETF	CBOE BZX
REVG	REV GROUP, INC.	NYSE
REXR	REXFORD INDUSTRIAL REALTY, INC.	NYSE
RGR	STURM, RUGER & COMPANY INC.	NYSE
RLGT	RADIANT LOGISTICS, INC.	NYSE American
RLMD	RELMADA THERAPEUTICS INC	NASDAQ
RMBL	RUMBLEON, INC.	NASDAQ
RPRX	ROYALTY PHARMA PLC	NASDAQ
RRGB	RED ROBIN GOURMET BURGERS, INC.	NASDAQ
RRX	REGAL REXNORD CORPORATION	NYSE
RVTY	REVVITY, INC.	NYSE
RXO	RXO, INC.	NYSE
RXST	RXSIGHT, INC.	NASDAQ
RXT	RACKSPACE TECHNOLOGY, INC.	NASDAQ
RYN	RAYONIER INC.	NYSE
RYTM	RHYTHM PHARMACEUTICALS, INC	NASDAQ
SAFE	SAFEHOLD INC	NYSE
SAN	BANCO SANTANDER, S.A.	NYSE
SBAC	SBA COMMUNICATION CORP	NASDAQ
SBGI	SINCLAIR BROADCASTING GRP	NASDAQ
SBRA	SABRA HEALTH CARE REIT, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
SCHG	SCHWAB U.S. LARGE-CAP GROWTH ETF	NYSE Arca
SCI	SERVICE CORPORATION INTERNATIONAL	NYSE
SCS	STEELCASE, INC. CLASS A	NYSE
SDIG	STRONGHOLD DIGITAL MINING CLASS A COM	NASDAQ
SDRL	SEADRILL LIMITED	NYSE
SENS	SENSEONICS HOLDINGS INC.	NYSE American
SFL	SHIP FINANCE INTERNATIONAL LIMITED	NYSE
SGRY	SURGERY PARTNERS INC.	NASDAQ
SHIP	SEANERGY MARITIME HOLDINGS CORP	NASDAQ
SHOT	SAFETY SHOT, INC.	NASDAQ
SIVR	ETFS PHYSICAL SILVER	NYSE Arca
SKE	SKEENA RESOURCES LIMITED	NYSE
SKLZ	SKILLZ INC.	NYSE
SKT	TANGER FACTORY OUTLET CENTERS, INC.	NYSE
SKY	SKYLINE CHAMPION CORPORATION	NYSE
SLDP	SOLID POWER, INC.	NASDAQ
SLNO	SOLENO THERAPEUTICS INC	NASDAQ
SMPL	SIMPLY GOOD FOODS CO	NASDAQ
SNA	SNAP-ON INCORPORATED	NYSE
SNDX	SYNDAX PHARMACEUTICALS, INC	NASDAQ
SOHU	SOHU.COM INC.	NASDAQ
SOL	RENESOLA LTD (ADS)	NYSE
SON	SONOCO PRODUCTS CO.	NYSE
SOND	SONDER HOLDINGS INC.	NASDAQ
SPB	SPECTRUM BRANDS HOLDINGS INC.	NYSE
SPRY	ARS PHARMACEUTICALS, INC.	NASDAQ
SPTL	SPDR PORTFOLIO LONG TERM TREASURY ETF	NYSE Arca
SPWH	SPORTSMAN'S WAREHOUSE HOLDINGS, INC.	NASDAQ
SPYD	SPDR PORTFOLIO S&P 500 HIGH DIVIDEND	NYSE Arca

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
SPYV	SPDR PORTFOLIO S&P 500 VALUE ETF	NYSE Arca
SQSP	SQUARESPACE, INC.	NYSE
SRAD	SPORTRADAR GROUP	NASDAQ
SRCL	STERICYCLE, INC.	NASDAQ
SRTS	SENSUS HEALTHCARE, INC	NASDAQ
SRTY	PROSHARES ULTRAPRO SHORT RUSSELL2000	NYSE Arca
SSNC	SS&C TECHNOLOGIES HOLDINGS, INC.	NASDAQ
SSYS	STRATASYS INC.	NASDAQ
STRL	STERLING CONSTRUCTION COMPANY INC.	NASDAQ
STXS	STEREOTAXIS, INC.	NYSE American
SUPV	GRUPO SUPERVIELLE SA	NYSE
SURG	SURGEPAYS INC	NASDAQ
SYNA	SYNAPTICS, INC.	NASDAQ
TALO	TALOS ENERGY INC.	NYSE
TARS	TARSUS PHARMACEUTICALS, INC.	NASDAQ
TBBK	BANCORP INC/DE	NASDAQ
TBLA	TABOOLA.COM LTD.	NASDAQ
TCX	TUCOWS, INC	NASDAQ
TDG	TRANSDIGM GROUP, INC.	NYSE
TECH	BIO-TECHNE CORPORATION	NASDAQ
TEN	TSAKOS ENERGY NAVIGATION LIMITED	NYSE
TEX	TEREX CORPORATION	NYSE
TGLS	TECNOGLASS INC.	NYSE
TIP	ISHARES BARCLAYS TIPS BOND FUND	NYSE Arca
TITN	TITAN MACHINERY, INC.	NASDAQ
TIXT	TELUS INTERNATIONAL CDA, INC.	NYSE
TNK	TEEKAY TANKERS LTD	NYSE
TPG	TPG INC	NASDAQ
TPIC	TPI COMPOSITES INC	NASDAQ
TPST	TEMPEST THERAPEUTICS INC	NASDAQ
TREE	LENDINGTREE, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
TRMB	TRIMBLE NAVIGATION LIMITED	NASDAQ
TRN	TRINITY INDUSTRIES INC.	NYSE
TROX	TRONOX LTD.	NYSE
TS	TENARIS SA	NYSE
TSHA	TAYSHA GENE THERAPIES, INC.	NASDAQ
TSLZ	ETF OPPORTUNITIES TRUSTT- REX 2X INVERSE	NASDAQ
TTMI	TTM TECHNOLOGIES, INC.	NASDAQ
TU	TELUS CORPORATION	NYSE
TUR	ISHARES MSCI TURKEY	NASDAQ
TWI	TITAN INTERNATIONAL, INC.	NYSE
TX	TERNIUM S.A.	NYSE
TXG	10X GENOMICS INC	NASDAQ
TXNM	TXNM ENERGY, INC.	NYSE
UDMY	UDEMY, INC.	NASDAQ
UGL	PROSHARES ULTRA GOLD	NYSE Arca
UONE	URBAN ONE INC	NASDAQ
UPBD	UPBOUND GROUP, INC.	NASDAQ
USAC	USA COMPRESSION PARTNERS, L.P.	NYSE
USM	U.S. CELLULAR CORPORATION	NYSE
UTZ	UTZ BRANDS, INC.	NYSE
UWM	PROSHARES ULTRA RUSSELL2000	NYSE Arca
VANI	VIVANI MEDICAL, INC	NASDAQ
VECO	VEECO INSTRUMENTS	NASDAQ
VERV	VERVE THERAPEUTICS INC	NASDAQ
VERX	VERTEX, INC.	NASDAQ
VFF	VILLAGE FARMS INTERNATIONAL, INC.	NASDAQ
VGR	VECTOR GROUP LTD.	NYSE
VICR	VICOR CORPORATION	NASDAQ
VIG	VANGUARD DIVIDEND APPRECIATION ETF	NYSE Arca
VIR	VIR BIOTECHNOLOGY, INC.	NASDAQ
VIXM	PROSHARES VIX MID-TERM FUTURES	CBOE BZX

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
VLTO	VERALTO CORP	NYSE
VMC	VULCAN MATERIALS COMPANY	NYSE
VMEQ	VIMEO, INC.	NASDAQ
VNET	21VIANET GROUP INC	NASDAQ
VRAR	THE GLIMPSE GROUP INC	NASDAQ
VRDN	VIRIDIAN THERAPEUTICS, INC.	NASDAQ
VRN	VEREN INC	NYSE
VRNT	VERINT SYSTEMS, INC.	NASDAQ
VRSK	VERISK ANALYTICS, INC.	NASDAQ
VSTM	VERASTEM, INC.	NASDAQ
VT	VANGUARD TOTAL WORLD STOCK ETF	NYSE Arca
VTSI	VIRTRA, INC.	NASDAQ
VTWO	VANGUARD RUSSELL 2000 ETF	NASDAQ
VUG	VANGUARD GROWTH ETF	NYSE Arca
WAT	WATERS CORPORATION	NYSE
WBS	WEBSTER FINANCIAL CORPORATION	NYSE
WD	WALKER & DUNLOP, INC.	NYSE
WEST	WESTROCK COFFEE COMPANY	NASDAQ
WFRD	WEATHERFORD INTERNATIONAL PLC	NASDAQ
WGS	GENEDX HOLDINGS CORPORATION	NASDAQ
WIMI	WIMI HOLOGRAM CLOUD INC	NASDAQ
WKSP	WORKSPORT, LTD	NASDAQ
WOR	WORTHINGTON INDUSTRIES, INC.	NYSE
WOW	WIDOPENWEST, INC.	NYSE
WT	WISDOMTREE, INC.	NYSE
WTW	WILLIS TOWERS WATSON PUBLIC LIMITED COMPANY	NASDAQ
WVE	WAVE LIFE SCIENCES LTD	NASDAQ
WWD	WOODWARD, INC.	NASDAQ
WYY	WIDEPOINT CORPORATION	NYSE American
XERS	XERIS BIOPHARMA HOLDINGS, INC.	NASDAQ
XLG	INVESCO S&P 500 TOP 50 ETF	NYSE Arca

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
XMTR	XOMETRY INC.	NASDAQ
XPEL	XPEL, INC.	NASDAQ
XRAY	DENTSPLY INTL, INC.	NASDAQ
YCL	PROSHARES ULTRA YEN	NYSE Arca
YCS	PROSHARES ULTRASHORT YEN	NYSE Arca
YOLO	ADVISORSHARES PURE CANNABIS ETF	NYSE Arca
ZSL	PROSHARES ULTRASHORT SILVER (20 SHARES)	NYSE Arca
ZUMZ	ZUMIEZ INC	NASDAQ

Please direct questions to the Regulatory Department at Regulatory@miaxglobal.com or (609) 897-7309.