

MIAX Sapphire Options Exchange Regulatory Circular 2024-61

DATE: October 11, 2024

TO: MIAX Sapphire Options Members

FROM: MIAX Regulatory Department

RE: Market for Underlying Security Used for Openings on MIAX Sapphire Options Effective Monday, October 14, 2024

The following symbols will start trading on MIAX Sapphire Options (the “Exchange”) beginning Monday, October 14, 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
ABCB	AMERIS BANCORP	NYSE
ACCO	ACCO BRANDS CORP	NYSE
ACEL	ACCEL ENTERTAINMENT, INC.	NYSE
ACET	ADICET BIO INC	NASDAQ
ACXP	ACURX PHARMACEUTICALS LLC	NASDAQ
ADUS	ADDUS HOMECARE CORPORATION	NASDAQ
ADV	ADVANTAGE SOLUTIONS INC.	NASDAQ
AEG	AEGON N.V.	NYSE
AEVA	AEVA TECHNOLOGIES, INC.	NYSE
AFG	AMERICAN FINANCIAL GROUP	NYSE
AHH	ARMADA HOFFLER PROPERTIES, INC.	NYSE
ALHC	ALIGNMENT HEALTHCARE INC	NASDAQ
ALLK	ALLAKOS INC	NASDAQ
ALPP	ALPINE 4 HOLDINGS, INC.	NASDAQ
AMG	AFFILIATED MANAGERS GROUP INC	NYSE
AMH	AMERICAN HOMES 4 RENT	NYSE
AMWD	AMERICAN WOODMARK CORP.	NASDAQ
AMZA	INFRACAP MLP ETF	NYSE ARCA

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
ANAB	ANAPTYSBIO, INC.	NASDAQ
ANDE	THE ANDERSONS, INC.	NASDAQ
ANIP	ANI PHARMACEUTICALS, INC.	NASDAQ
AORT	ARTIVION, INC.	NYSE
AOUT	AMERICAN OUTDOOR BRANDS, INC.	NASDAQ
APEI	AMERICAN PUBLIC EDUCATION, INC.	NASDAQ
API	AGORA, INC.	NASDAQ
APOG	APOGEE ENTERPRISES, INC.	NASDAQ
AQMS	AQUA METALS, INC.	NASDAQ
ARC	ARC DOCUMENT SOLUTIONS, INC.	NYSE
ARKX	ARK SPACE EXPLORATION & INNOVATION ETF	CBOE BZX
ARW	ARROW ELECTRONICS INC.	NYSE
ASA	ASA GOLD AND PRECIOUS METALS LIMITED	NYSE
ASB	ASSOCIATED BANC CORP	NYSE
ASGN	ASGN INC.	NYSE
ASTE	ASTEC INDUSTRIES, INC	NASDAQ
ASUR	ASURE SOFTWARE, INC.	NASDAQ
ASYS	AMTECH SYSTEMS, INC.	NASDAQ
ATEX	ANTERIX INC	NASDAQ
ATHM	AUTOHOME INC (ADR)	NYSE
ATRO	ASTRONICS CORPORATION	NASDAQ
ATXS	ASTRIA THERAPEUTICS, INC.	NASDAQ
AUDC	AUDICODES LTD.	NASDAQ
AVAH	AVEANNA HEALTHCARE HOLDINGS	NASDAQ
AVNS	AVANOS MEDICAL, INC.	NYSE
AVNT	AVIENT CORPORATION	NYSE
AWRE	AWARE INC	NASDAQ
AXGN	AXOGEN, INC.	NASDAQ
BAP	CREDICORP LTD.	NYSE
BATRA	ATLANTA BRAVES HOLDINGS, INC. SERIES A	NASDAQ
BATRK	LIBERTY MEDIA CORPORATION (SERIES C) LIBERTY BRAVE	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
BBSI	BARRETT BUSINESS SERVICES INC.	NASDAQ
BCSF	BAIN CAPITAL SPECIALTY FINANCE, INC.	NYSE
BCTX	BRIACELL THERAPEUTICS CORP	NASDAQ
BCYC	BICYCLE THERAPEUTICS PLC	NASDAQ
BDC	BELDEN INC.	NYSE
BDRY	BREAKWAVE DRY BULK SHIPPING ETF	NYSE ARCA
BELFB	BEL FUSE INC. CLASS B	NASDAQ
BETZ	ROUNDHILL SPORTS BETTING & IGAMING ETF	NYSE ARCA
BFAM	BRIGHT HORIZONS FAMILY SOLUTIONS INC	NYSE
BIB	PROSHARES ULTRA NASDAQ BIOTECHNOLOGY	NASDAQ
BIO	BIO-RAD LABORATORIES, INC.	NYSE
BIOX	BIOCERES CROP SOLUTIONS CORP.	NASDAQ
BKH	BLACK HILLS CORPORATION	NYSE
BLFS	BIOLIFE SOLUTIONS, INC	NASDAQ
BMRA	BIOMERICA INC	NASDAQ
BOKF	BOK FINANCIAL CORPORATION	NASDAQ
BPOP	POPULAR INC. (10 SHRS)	NASDAQ
BRDG	BRIDGE INVESTMENT GROUP HOLDINGS, INC.	NYSE
BRKL	BROOKLINE BANCORP, INC.	NASDAQ
BRLT	BRILLIANT EARTH GROUP, INC.	NASDAQ
BRSP	BRIGHTSPIRE CAPITAL, INC.	NYSE
BRT	BRT APARTMENTS CORP	NYSE
BRX	BRIXMOR PROPERTY GROUP INC	NYSE
BRY	BERRY CORPORATION	NASDAQ
BSBR	BANCO SANTANDER BRASIL SA	NYSE
BSET	BASSETT FURNITURE INDUSTRIES INC	NASDAQ
BUZZ	VANECK VECTORS SOCIAL SENTIMENT ETF	NYSE ARCA
BYSI	BEYONDSRING INC.	NASDAQ
CACI	CACI INTERNATIONAL, INC.	NYSE
CAE	CAE INC	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CALF	PACER US SMALL CAP CASH COWS 100 ETF	CBOE BZX
CAPL	CROSSAMERICA PARTNERS LP	NYSE
CARA	CARA THERAPEUTICS INC.	NASDAQ
CARS	CARS.COM INC.	NYSE
CASH	META FINANCIAL GROUP, INC.	NASDAQ
CBT	CABOT CORPORATION	NYSE
CCEC	CAPITAL CLEAN ENERGY CARRIERS CORPORATION	NASDAQ
CCRN	CROSS COUNTRY HEALTHCARE, INC.	NASDAQ
CDRE	CADRE HOLDINGS INC	NYSE
CECO	CECO ENVIRONMENTAL CORPORATION	NASDAQ
CELU	CELULARITY INC.	NASDAQ
CERT	CERTARA, INC.	NASDAQ
CEVA	CEVA INC	NASDAQ
CGBD	CARLYLE SECURED LENDING, INC.	NASDAQ
CHAT	TIDAL TRUST II ROUNDHILL GENERATIVE AI & TECH ETF	NYSE ARCA
CIG	COMPANHIA ENERGETICA DE MINAS GERAIS - CEMIG (125)	NYSE
CIGI	COLLIERS INTERNATIONAL GROUP INC.	NASDAQ
CLLS	CELLECTIS S.A.	NASDAQ
CLPR	CLIPPER REALTY, INC.	NYSE
CLSD	CLEARSIDE BIOMEDICAL, INC.	NASDAQ
CLW	CLEARWATER PAPER CORPORATION	NYSE
CMLS	CUMULUS MEDIA, INC.	NASDAQ
CMPR	CIMPRESS N.V.	NASDAQ
CMS	CMS ENERGY CORPORATION	NYSE
CMTG	CLAROS MORTGAGE TRUST, INC.	NYSE
CNMD	CONMED CORP.	NYSE
CNSL	CONSOLIDATED COMMUNICATIONS HOLDINGS, INC.	NASDAQ
CNTY	CENTURY CASINOS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CODI	COMPASS DIVERSIFIED HOLDINGS LLC	NYSE
COHU	COHU, INC.	NASDAQ
COLM	COLUMBIA SPORTWEAR CO.	NASDAQ
COSM	COSMOS HOLDINGS INC.	NASDAQ
CPSH	CPS TECHNOLOGIES CORPORATION	NASDAQ
CTOS	CUSTOM TRUCK ONE SOURCE, INC.	NYSE
CTRM	CASTOR MARITIME, INC.	NASDAQ
CULP	CULP, INC.	NYSE
CURI	CURIOSITYSTREAM INC	NASDAQ
CUZ	COUSINS PROPERTIES INC.	NYSE
CVBF	CVB FINANCIAL CORP.	NASDAQ
CVGI	COMMERCIAL VEHICLE GROUP, INC.	NASDAQ
CWENA	CLEARWAY ENERGY, INC. CLASS A	NYSE
CWST	CASELLA WASTE SYSTEMS INC.	NASDAQ
CXT	CRANE NXT, CO.	NYSE
DAO	YOUDAO INC	NYSE
DAPP	VANECK DIGITAL TRANSFORMATION ETF	NASDAQ
DBO	POWERSHARES DB OIL FUND	NYSE ARCA
DENN	DENNY'S CORP.	NASDAQ
DGII	DIGI INTERNATIONAL INC	NASDAQ
DH	DEFINITIVE HEALTHCARE CORP.	NASDAQ
DIBS	1STDIBS.COM, INC.	NASDAQ
DIVO	AMPLIFY CWP ENHANCED DIVIDEND INCOME ETF	NYSE ARCA
DLB	DOLBY LABORATORIES, INC.	NYSE
DLNG	DYNAGAS LNG PARTNERS LP	NYSE
DMAC	DIAMEDICA THERAPEUTICS INC.	NASDAQ
DNB	DUN & BRADSTREET HOLDINGS, INC.	NYSE
DNMR	DANIMER SCIENTIFIC INC	NYSE
DNOW	NOW, INC.	NYSE
DOOO	BRP, INC.	NASDAQ
DRIV	GLOBAL X AUTONOMOUS & ELECTRIC VEHICLES ETF	NASDAQ
DSGN	DESIGN THERAPEUTICS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
DSGX	DESCARTES SYSTEM GROUP INC	NASDAQ
DSL	DOUBLELINE INCOME SOLUTIONS FUND	NYSE
DUG	PROSHARES ULTRASHORT OIL & GAS	NYSE ARCA
ECH	ISHARES MSCI CHILE ETF	CBOE BZX
ECNS	ISHARES MSCI CHINA SMALL-CAP ETF	NYSE ARCA
ECPG	ENCORE CAPITAL GROUP INC	NASDAQ
EDZ	DIREXION DAILY EMERGING MARKETS BEAR 3X SHARE	NYSE ARCA
EE	EXCELERATE ENERGY, INC.	NYSE
EGAN	EGAIN COMMUNICATIONS CORP.	NASDAQ
EGBN	EAGLE BANCORP INC	NASDAQ
EHAB	ENHABIT, INC.	NYSE
EKSO	EKSO BIONICS HOLDINGS, INC.	NASDAQ
ELDN	ELEDON PHARMACEUTICALS, INC.	NASDAQ
ELME	ELME COMMUNITIES	NYSE
EMLC	VANECK VECTORS J.P. MORGAN EM LOCAL CURRENCY BOND ETF	NYSE ARCA
ENLV	ENLIVEX THERAPEUTICS LTD.	NASDAQ
ENR	ENERGIZER HOLDINGS, INC.	NYSE
ENSG	ENSIGN GROUP, INC.	NASDAQ
ENTX	ENTERA BIO LTD.	NASDAQ
ENVA	ENOVA INTERNATIONAL, INC.	NYSE
ENZ	ENZO BIOCHEM INC.	NYSE
EPC	EDGEWELL PERSONAL CARE COMPANY	NYSE
EPP	ISHARES MSCI PACIFIC EX JAPAN ETF	NYSE ARCA
EQC	EQUITY COMMONWEALTH	NYSE
ERIE	ERIE INDEMNITY COMPANY CL A	NASDAQ
ERII	ENERGY RECOVERY INC.	NASDAQ
ESLT	ELBIT SYSTEMS LTD.	NASDAQ
ESRT	EMPIRE STATE REALTY TRUST, INC.	NYSE
ETD	ETHAN ALLEN INTERIORS INC.	NYSE
EUFN	ISHARES MSCI EUROPE FINANCIALS ETF	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
EVC	ENTRAVISION COMMUNICATIONS CORPORATION	NYSE
EWI	ISHARES MSCI ITALY INDEX FUND	NYSE ARCA
EWP	ISHARES MSCI SPAIN CAPPED	NYSE ARCA
EWS	ISHARES MSCI SINGAPORE	NYSE ARCA
FARM	FARMER BROS. CO.	NASDAQ
FBK	FB FINANCIAL CORPORATION	NYSE
FBP	FIRST BANCORP	NYSE
FC	FRANKLIN COVEY CO.	NYSE
FCN	FTI CONSULTING, INC.	NYSE
FDN	FIRST TRUST DOW JONES INTERNET ETF	NYSE ARCA
FDUS	FIDUS INVESTMENT CORPORATION	NASDAQ
FENC	FENNEC PHARMACEUTICALS INC.	NASDAQ
FFBC	FIRST FINANCIAL BANCORP.	NASDAQ
FIBK	FIRST INTERSTATE BANCSYSTEM INC	NASDAQ
FINX	GLOBAL X FINTECH ETF	NASDAQ
FKWL	FRANKLIN WIRELESS CORP.	NASDAQ
FLL	FULL HOUSE RESORTS, INC.	NASDAQ
FMNB	FARMERS NATIONAL BANC CORP.	NASDAQ
FMS	FRESENIUS MEDICAL CARE AG & CO KGAA	NYSE
FNA	PARAGON 28, INC.	NYSE
FNB	F N B CORP. PA	NYSE
FOR	FORESTAR GROUP INC.	NYSE
FOX	FOX CORPCL B COM	NASDAQ
FSS	FEDERAL SIGNAL CORP	NYSE
FTEK	FUEL TECH INC.	NASDAQ
FTHM	FATHOM HOLDINGS INC.	NASDAQ
FTK	FLOTEK INDUSTRIES INC	NYSE
FUL	FULLER (H.B.) CO	NYSE
FXA	CURRENCYSHARES AUSTRALIAN DOLLAR TRUST	NYSE ARCA
GANX	GAIN THERAPEUTICS, INC.	NASDAQ
GATX	GATX CORPORATION	NYSE
GDEN	GOLDEN ENTERTAINMENT, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
GDYN	GRID DYNAMICS HOLDINGS, INC.	NASDAQ
GGG	GRACO, INC.	NYSE
GIB	CGI GROUP INC.	NYSE
GLL	PROSHARES ULTRASHORT GOLD	NYSE ARCA
GLP	GLOBAL PARTNERS LP	NYSE
GLPG	GALAPAGOS NV	NASDAQ
GLRE	GREENLIGHT CAPITAL RE, LTD.	NASDAQ
GLT	GLATFELTER CORPORATION	NYSE
GLUE	MONTE ROSA THERAPEUTICS, INC.	NASDAQ
GMRE	GLOBAL MEDICAL REIT INC.	NYSE
GMS	GMS INC.	NYSE
GNE	GENIE ENERGY LTD.	NYSE
GNSS	GENASYS INC.	NASDAQ
GOLF	ACUSHNET HOLDINGS CORP.	NYSE
GP	GREENPOWER MOTOR COMPANY INC.	NASDAQ
GPK	GRAPHIC PACKAGING HOLDING COMPANY	NYSE
GREK	GLOBAL X MSCI GREECE ETF	NYSE ARCA
GROV	GROVE COLLABORATIVE HOLDINGS, INC.	NYSE
GROW	U.S. GLOBAL INVESTORS, INC.	NASDAQ
GSG	ISHARES S&P GSCI COMMODITY INDEXED TRUST	NYSE ARCA
GTY	GETTY REALTY CORP.	NYSE
HBNC	HORIZON BANCORP, INC.	NASDAQ
HCAT	HEALTH CATALYST, INC.	NASDAQ
HCSG	HEALTHCARE SERVICES GROUP, INC.	NASDAQ
HFFG	HF FOODS GROUP, INC.	NASDAQ
HGV	HILTON GRAND VACATIONS INC.	NYSE
HIBS	DIREXION DAILY S&P 500 HIGH BETA BEAR 3X SHARES	NYSE ARCA
HLLY	HOLLEY INC.	NYSE
HLMN	HILLMAN SOLUTIONS CORPORATION	NASDAQ
HMST	HOMESTREET INC	NASDAQ
HOWL	WEREWOLF THERAPEUTICS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
HTH	HILLTOP HOLDINGS INC.	NYSE
HTLD	HEARTLAND EXPRESS, INC.	NASDAQ
HURN	HURON CONSULTING GROUP, INC.	NASDAQ
HUSA	HOUSTON AMERICAN ENERGY CORPORATION	NYSE AMERICAN
HVT	HAVERTY FURNITURE COMPANIES, INC	NYSE
HWC	HANCOCK WHITNEY CORPORATION	NASDAQ
HYD	MARKET VECTORS HIGH YIELD MUNICIPAL INDEX ETF	CBOE BZX
HYFM	HYDROFARM HOLDINGS GROUP, INC	NASDAQ
HYPR	HYPERFINE INC	NASDAQ
ICAD	ICAD INC.	NASDAQ
ICF	ISHARES COHEN & STEERS REALTY MAJORS INDEX FUND	CBOE BZX
ICHR	ICHOR HOLDINGS, LTD.	NASDAQ
ICL	ICL GROUP LTD.ICL GROUP LTD.	NYSE
ICUI	ICU MEDICAL, INC.	NASDAQ
IDV	ISHARES INTERNATIONAL SELECT DIVIDEND ETF	CBOE BZX
IEZ	ISHARES U.S. OIL EQUIPMENT&SERVICES	NYSE ARCA
IGIB	ISHARESTRUSTISHARES 5-10 YR INV GRADE CORP BONDETF	NASDAQ
IHS	IHS HOLDING LTD.	NYSE
IIIN	INSTEEL INDUSTRIES INC	NYSE
IJS	ISHARES S&P SMALL-CAP 600 VALUE	NYSE ARCA
ILF	ISHARES LATIN AMERICA 40	NYSE ARCA
IMAB	I-MAB	NASDAQ
IMXI	INTERNATIONAL MONEY EXPRESS, INC.	NASDAQ
INGR	INGREDION INCORPORATED	NYSE
INN	SUMMIT HOTEL PROPERTIES, INC.	NYSE
INVA	INNOVIVA, INC.	NASDAQ
INVE	IDENTIV INC.	NASDAQ
INVX	INNOVEX INTERNATIONAL, INC.	NYSE
INZY	INOZYME PHARMA, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
IPA	IMMUNOPRECISE ANTIBODIES LTD.	NASDAQ
IPGP	IPG PHOTONICS CORP	NASDAQ
IPO	RENAISSANCE IPO ETF	NYSE ARCA
IRIX	IRIDEX CORPORATION	NASDAQ
ITGR	INTEGER HOLDINGS CORPORATION	NYSE
ITI	ITERIS, INC.	NASDAQ
IVAC	INTEVAC INC.	NASDAQ
IVE	ISHARES S&P 500 VALUE INDEX FUND	NYSE ARCA
IVOL	QUADRATIC INTEREST RATE VOL. AND INFLATION ETF	NYSE ARCA
IVVD	INVIVYD, INC.	NASDAQ
IWC	ISHARES RUSSELL MICROCAP INDEX	NYSE ARCA
IWP	ISHARES RUSSELL MIDCAP GROWTH INDEX FUND ETF	NYSE ARCA
IWS	ISHARES RUSSELL MIDCAP VALUE INDEX FUND	NYSE ARCA
IZEA	IZEA WORLDWIDE, INC.	NASDAQ
JBGS	JBG SMITH PROPERTIES	NYSE
JBI	JANUS INTERNATIONAL GROUP, INC.	NYSE
JBT	JOHN BEAN TECHNOLOGIES CORPORATION	NYSE
JFIN	JIAYIN GROUP INC.	NASDAQ
JKHY	JACK HENRY & ASSOCIATES INC.	NASDAQ
KAR	KAR AUCTION SERVICES, INC.	NYSE
KB	KB FINANCIAL GROUP, INC.	NYSE
KFY	KORN/FERRY INTERNATIONAL	NYSE
KIDS	ORTHOPEDIATRICS CORP	NASDAQ
KOD	KODIAK SCIENCES INC	NASDAQ
KRBN	KRANESHARES GLOBAL CARBON STRATEGY ETF	NYSE ARCA
KRNT	KORNIT DIGITAL LTD.	NASDAQ
KRO	KRONOS WORLDWIDE, INC.	NYSE
KROS	KEROS THERAPEUTICS, INC.	NASDAQ
KSPI	JOINT STOCK COMPANY KASPI.KZ	NASDAQ
KT	KT CORP.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
KTB	KONTOOR BRANDS, INC.	NYSE
KTCC	KEY TRONIC CORPORATION	NASDAQ
KW	KENNEDY-WILSON HOLDINGS INC.	NYSE
KYMR	KYMERA THERAPEUTICS INC	NASDAQ
KZR	KEZAR LIFE SCIENCES INC	NASDAQ
LADR	LADDER CAPITAL CORP	NYSE
LAKE	LAKELAND INDUSTRIES, INC.	NASDAQ
LAUR	LAUREATE EDUCATION, INC.	NASDAQ
LAW	CS DISCO, INC	NYSE
LBRDK	LIBERTY BROADBAND CORPORATION	NASDAQ
LBTYK	LIBERTY GLOBAL PLC	NASDAQ
LCTX	LINEAGE CELL THERAPEUTICS, INC	NYSE AMERICAN
LE	LANDS' END, INC.	NASDAQ
LEGH	LEGACY HOUSING CORPORATION	NASDAQ
LFVN	LIFEVANTAGE CORPORATION	NASDAQ
LGND	LIGAND PHARMACEUTICALS INC.	NASDAQ
LGO	LARGO INC.	NASDAQ
LGTY	LOGILITY SUPPLY CHAIN SOLUTIONS, INC.	NASDAQ
LILA	LILAC GROUP	NASDAQ
LILAK	LIBERTY LILAC GROUP	NASDAQ
LITM	SNOW LAKE RESOURCES LTD.	NASDAQ
LOB	LIVE OAK BANCSHARES, INC	NYSE
LPL	LG DISPLAY CO., LTD.	NYSE
LPTX	LEAP THERAPEUTICS, INC	NASDAQ
LTC	LTC PROPERTIES INC.	NYSE
LTRN	LANTERN PHARMA, INC.	NASDAQ
LUNG	PULMONX CORP	NASDAQ
LVLU	LULUS FASHION LOUNGE HOLDINGS, INC.	NASDAQ
LVTX	LAVA THERAPEUTICS NV	NASDAQ
LVWR	LIVEWIRE GROUP, INC.	NYSE
LYEL	LYELL IMMUNOPHARMA, INC.	NASDAQ
MASS	908 DEVICES INC	NASDAQ
MATW	MATTHEWS INTERNATIONAL CORPORATION	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
MCB	METROPOLITAN BANK HOLDING CORP.	NYSE
MCW	MISTER CAR WASH INC	NYSE
MCY	MERCURY GENERAL CORPORATION	NYSE
MEG	MONTROSE ENVIRONMENTAL GROUP, INC	NYSE
METV	ROUNDHILL BALL METAVERSE ETF	NYSE ARCA
MG	MISTRAS GROUP INC	NYSE
MGPI	MGP INGREDIENTS INC.	NASDAQ
MGTX	MEIRAGTX HOLDINGS PLC	NASDAQ
MIDU	DIREXIONSHARES DAILY MID CAP BULL 3X SHARES	NYSE ARCA
MIST	MILESTONE PHARMACEUTICALS, INC.	NASDAQ
MKFG	MARKFORGED HOLDING CORPORATION	NYSE
MKL	MARKEL CORPORATION	NYSE
MLSS	MILESTONE SCIENTIFIC, INC	NYSE AMERICAN
MMSI	MERIT MEDICAL SYSTEMS, INC.	NASDAQ
MNTX	MANITEX INTERNATIONAL INC	NASDAQ
MOO	MARKET VECTORS AGRIBUSINESS ETF	NYSE ARCA
MPAA	MOTORCAR PARTS OF AMERICA, INC.	NASDAQ
MPX	MARINE PRODUCTS CORPORATION	NYSE
MRC	MRC GLOBAL INC.	NYSE
MSB	MESABI TRUST	NYSE
MTW	THE MANITOWOC COMPANY, INC.	NYSE
MVO	MV OIL TRUST	NYSE
MWA	MUELLER WATER PRODUCTS, INC.	NYSE
MYPS	PLAYSTUDIOS, INC.	NASDAQ
MYRG	MYR GROUP INC.	NASDAQ
MYTE	MYT NETHERLANDS PARENT BV	NYSE
NAUT	NAUTILUS BIOTECHNOLOGY, INC.	NASDAQ
NDLS	NOODLES & COMPANY	NASDAQ
NECB	NORTHEAST COMMUNITY BANCORP INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
NHI	NATIONAL HEALTH INVESTORS INC.	NYSE
NIU	NIU TECHNOLOGIES	NASDAQ
NMFC	NEW MOUNTAIN FINANCE CORPORATION	NASDAQ
NMIH	NMI HOLDINGS, INC.	NASDAQ
NMR	NOMURA HOLDINGS, INC.	NYSE
NMRA	NEUMORA THERAPEUTICS INC	NASDAQ
NMTC	NEUROONE MEDICAL TECHNOLOGIES CORPORATION	NASDAQ
NNBR	NN, INC.	NASDAQ
NOMD	NOMAD FOODS LIMITED	NYSE
NTB	THE BANK OF N.T. BUTTERFIELD & SON LIMITED	NYSE
NTCT	NETSCOUT SYSTEMS, INC.	NASDAQ
NTWK	NETSOL TECHNOLOGIES, INC.	NASDAQ
NWS	NEWS CORPORATION	NASDAQ
NXRT	NEXPOINT RESIDENTIAL TRUST INC.	NYSE
OABI	OMNIAB, INC.	NASDAQ
OCFC	OCEANFIRST FINANCIAL CORP.	NASDAQ
OCUP	OCUPHIRE PHARMA, INC.	NASDAQ
OEC	ORION ENGINEERED CARBONS S.A.	NYSE
OESX	ORION ENERGY SYSTEMS, INC	NASDAQ
OFG	OFG BANNCORP	NYSE
OGE	OGE ENERGY CORP.	NYSE
OMAB	GRUPO AEROPORTUARIO DEL CENTRO NORTE SAB DE CV	NASDAQ
ONL	ORION OFFICE REIT INC	NYSE
ONTF	ON24, INC	NYSE
OOMA	OOMA, INC	NYSE
OPAD	OFFERPAD SOLUTIONS INC.	NYSE
OPFI	OPPFI INC.	NYSE
ORGO	ORGANOGENESIS HOLDINGS, INC.	NASDAQ
ORLA	ORLA MINING LTD	NYSE AMERICAN
ORMP	ORAMED PHARMACEUTICALS INC.	NASDAQ
OSIS	OSI SYSTEMS INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
OSUR	ORASURE TECHNOLOGIES INC	NASDAQ
OSW	ONESPAWORLD HOLDINGS LIMITED	NASDAQ
OXM	OXFORD INDUSTRIES, INC	NYSE
OXSQ	OXFORD SQUARE CAPITAL CORPORATION	NASDAQ
PACK	RANPAK HOLDINGS CORP	NYSE
PACS	PACS GROUP, INC.	NYSE
PAM	PAMPA ENERGÃA S.A.	NYSE
PANL	PANGAEA LOGISTICS SOLUTIONS LTD.	NASDAQ
PATK	PATRICK INDUSTRIES, INC.	NASDAQ
PB	PROSPERITY BANCSHARES, INC.	NYSE
PBW	POWERSHARES WILDERHILL CLEAN ENERGY	NYSE ARCA
PCH	POTLATCHDELTIC CORPORATION	NASDAQ
PDM	PIEDMONT OFFICE REALTY TRUST INC.	NYSE
PDS	PRECISION DRILLING CORPORATION	NYSE
PECO	PHILLIPS EDISON & COMPANY, INC.	NASDAQ
PETQ	PETIQ, INC	NASDAQ
PEY	INVESCO HIGH YIELD EQUITY DIVIDEND ACHIEVERS ETF	NASDAQ
PFMT	PERFORMANT FINANCIAL CORPORATION	NASDAQ
PFS	PROVIDENT FINANCIAL SERVICES, INC	NYSE
PGJ	POWERSHARES GOLDEN DRAGON CHINA PORTFOLIO	NASDAQ
PHO	INVESCO WATER RESOURCES ETF	NASDAQ
PHX	PANHANDLE OIL AND GAS, INC.	NYSE
PICK	ISHARES MSCI GLOBAL METALS & MINING PRODUCERS ETF	CBOE BZX
PINC	PREMIER INC	NASDAQ
PIPR	PIPER SANDLER COMPANIES	NYSE
PJT	PJT PARTNERS INC.	NYSE
PKE	PARK AEROSPACE CORP.	NYSE
PKX	POSCO	NYSE
PLMR	PALOMAR HOLDINGS, INC	NASDAQ
PLRX	PLIANT THERAPEUTICS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
PLYA	PLAYA HOTELS & RESORTS N.V.	NASDAQ
PMCB	PHARMACYTE BIOTECH, INC.	NASDAQ
PMVP	PMV PHARMACEUTICALS, INC.	NASDAQ
PNTG	THE PENNANT GROUP, INC	NASDAQ
POWI	POWER INTEGRATIONS INC	NASDAQ
PPA	INVESCO AEROSPACE & DEFENSE ETF	NYSE ARCA
PRDO	PERDOCEO EDUCATION CORPORATION	NASDAQ
PRI	PRIMERICA, INC.	NYSE
PRLB	PROTO LABS INC	NYSE
PRLD	PRELUDE THERAPEUTICS, INC.	NASDAQ
PRPH	PROPHASE LABS, INC	NASDAQ
PRVA	PRIVIA HEALTH GROUP INC	NASDAQ
PST	PROSHARES ULTRASHORT 7-10 YEAR TREASURY	NYSE ARCA
PSTL	POSTAL REALTY TRUST INC CL A	NYSE
PTMN	PORTMAN RIDGE FINANCE CORPORATION	NASDAQ
QNCX	QUINCE THERAPEUTICS, INC	NASDAQ
QRHC	QUEST RESOURCE HOLDING CORPORATION	NASDAQ
QUAL	ISHARES MSCI USA QUALITY FACTOR ETF	CBOE BZX
RBBN	RIBBON COMMUNICATIONS INC	NASDAQ
RBC	RBC BEARINGS INCORPORATED	NYSE
RCEL	AVITA THERAPEUTICS, INC.	NASDAQ
RCMT	RCM TECHNOLOGIES, INC.	NASDAQ
RDY	DR. REDDY'S LABORATORIES LIMITED	NYSE
REG	REGENCY CENTERS CORP	NASDAQ
REK	PROSHARES SHORT REAL ESTATE	NYSE ARCA
RELL	RICHARDSON ELECTRONICS LTD	NASDAQ
REMX	MARKET VECTORS RARE EARTH/STRATEGIC METALS ETF	NYSE ARCA
REX	REX AMERICAN RESOURCES CORP	NYSE
REZI	RESIDEO TECHNOLOGIES INC	NYSE
RFL	RAFAEL HOLDINGS, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
RGP	RESOURCES CONNECTION, INC.	NASDAQ
RHP	RYMAN HOSPITALITY PROPERTIES, INC.(STK DIV)	NYSE
RLAY	RELAY THERAPEUTICS INC	NASDAQ
RMNI	RIMINI STREET, INC.	NASDAQ
RNW	RENEW ENERGY GLOBAL PLC	NASDAQ
ROG	ROGERS CORPORATION	NYSE
ROM	PROSHARES ULTRA TECHNOLOGY	NYSE ARCA
RPTX	REPARE THERAPEUTICS INC.	NASDAQ
RSKD	RISKIFIED LTD.	NYSE
RUSHA	RUSH ENTERPRISES INC	NASDAQ
RVP	RETRACTABLE TECHNOLOGIES, INC.	NYSE AMERICAN
RWR	SPDR DOW JONES REIT ETF	NYSE ARCA
RYI	RYERSON HOLDING CORPORATION	NYSE
SAH	SONIC AUTOMOTIVE, INC.	NYSE
SANM	SANMINA CORPORATION	NASDAQ
SATL	SATELLOGIC INC	NASDAQ
SBS	COMPANHIA DE SANEAMENTO BASICO DO ESTADO DE SAO PAULO	NYSE
SCHL	SCHOLASTIC CORPORATION	NASDAQ
SCHP	SCHWAB U.S. TIPS ETF	NYSE ARCA
SCVL	SHOE CARNIVAL INC	NASDAQ
SCWX	SECUREWORKS CORP.	NASDAQ
SDIV	GLOBAL X SUPERDIVIDEND ETF	NYSE ARCA
SDY	SPDR S&P DIVIDEND ETF	NYSE ARCA
SEER	SEER, INC.	NASDAQ
SEIC	SEI INVESTMENTS CO	NASDAQ
SEM	SELECT MEDICAL HOLDINGS CORPORATION	NYSE
SES	SES AI CORPORATION	NYSE
SHO	SUNSTONE HOTEL INVESTORS, INC.	NYSE
SHYF	THE SHYFT GROUP, INC.	NASDAQ
SKF	PROSHARES ULTRASHORT FINANCIALS	NYSE ARCA

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
SKYY	FIRST TRUST ISE CLOUD COMPUTING INDEX FUND	NASDAQ
SLF	SUN LIFE FINANCIAL INC.	NYSE
SLGL	SOL-GEL TECHNOLOGIES LTD.	NASDAQ
SLVM	SYLVAMO CORPORATION	NYSE
SMFG	SUMITOMO MITSUI FINANCIAL GROUP, INC.	NYSE
SMHI	SEACOR MARINE HOLDINGS INC	NYSE
SMRT	SMARTRENT, INC.	NYSE
SMWB	SIMILARWEB LTD.SIMILARWEB LTD.	NYSE
SNDR	SCHNEIDER NATIONAL, INC	NYSE
SPHB	INVESCO S&P 500 HIGH BETA ETF	NYSE ARCA
SPLV	POWERSHARES S&P 500 LOW VOLATILITY ETF	NYSE ARCA
SPOK	SPOK HOLDINGS, INC.	NASDAQ
SPRO	SPERO THERAPEUTICS INC	NASDAQ
SPRU	SPRUCE POWER HOLDING CORPORATION	NYSE
SRDX	SURMODICS, INC.	NASDAQ
SRLN	SPDR BLACKSTONE SENIOR LOAN ETF	NYSE ARCA
SSSS	SUTTER ROCK CAPITAL CORPORATION	NASDAQ
SSTI	SOUNDTHINKING, INC.	NASDAQ
STIM	NEURONETICS, INC.	NASDAQ
STRA	STRAYER EDUCATION, INC.	NASDAQ
SUP	SUPERIOR INDUSTRIES INT	NYSE
SUPN	SUPERNUS PHARMACEUTICALS, INC.	NASDAQ
SVV	SAVERS VALUE VILLAGE, INC	NYSE
SWI	SOLARWINDS CORP.	NYSE
SWIM	LATHAM GROUP INC	NASDAQ
SXC	SUNCOKE ENERGY, INC.	NYSE
SYPR	SYPRIS SOLUTIONS, INC.	NASDAQ
TARA	PROTARA THERAPEUTICS, INC.	NASDAQ
TASK	TASKUS, INC.	NASDAQ
TBF	PROSHARES SHORT 20+ YEAR TREASURY	NYSE ARCA

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
TBPH	THERAVANCE BIOPHARMA, INC.	NASDAQ
TCBI	TEXAS CAPITAL BANCSHARES, INC.	NASDAQ
TCPC	BLACKROCK TCP CAPITAL CORP.	NASDAQ
TDY	TELEDYNE TECHNOLOGIES INC	NYSE
TEO	TELECOM ARGENTINA S.A.	NYSE
TFX	TELEFLEX INCORPORATED	NYSE
TG	TREDEGAR CORP	NYSE
THR	THERMON GROUP HOLDINGS INC	NYSE
THS	TREEHOUSE FOODS, INC.	NYSE
TILE	INTERFACE, INC.	NASDAQ
TKC	TURKCELL LLETISIM HIZMETLERI AS	NYSE
TLPH	TALPHERA, INC.	NASDAQ
TLSA	TIZIANA LIFE SCIENCES PLC	NASDAQ
TMHC	TAYLOR MORRISON HOME CORP	NYSE
TMQ	TRILOGY METALS INC.	NYSE AMERICAN
TNET	TRINET GROUP, INC.	NYSE
TOUR	TUNIU CORPORATION	NASDAQ
TPB	TURNING PIONT BRANDS INC	NYSE
TR	TOOTSIE ROLL INDUSTRIES INC	NYSE
TRAK	REPOSITRAK	NYSE
TRML	TOURMALINE BIO, INC.	NASDAQ
TROO	TROOPS, INC.	NASDAQ
TRVG	TRIVAGO N.V.	NASDAQ
TRX	TANZANIAN ROYALTY EXPLORATION	NYSE AMERICAN
TSQ	TOWNSQUARE MEDIA, INC.	NYSE
TTEK	TETRA TECH, INC.	NASDAQ
TTT	PROSHARES ULTRAPRO SHORT 20+ YEAR TREASURY	NYSE ARCA
TURN	180 DEGREE CAPITAL CORPORATION	NASDAQ
TUYA	TUYA INC	NYSE
TV	GRUPO TELEVISA, S.A.B.	NYSE
TYL	TYLER TECHNOLOGIES, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
UAMY	US ANTIMONY CORP.	NYSE AMERICAN
UBX	UNITY BIOTECHNOLOGY INC.	NASDAQ
UDR	UDR, INC.	NYSE
UEIC	UNIVERSAL ELECTRONICS, INC.	NASDAQ
UFPI	UNIVERSAL FOREST PRODUCTS, INC.	NASDAQ
UGRO	URBAN-GRO INC	NASDAQ
UHAL	AMERCO	NYSE
ULS	UL SOLUTIONS INC.	NYSE
UMH	UMH PROPERTIES, INC.	NYSE
URE	PROSHARES ULTRA REAL ESTATE	NYSE ARCA
UVV	UNIVERSAL CORPORATION	NYSE
VBK	VANGUARD SMALL-CAP GROWTH ETF	NYSE ARCA
VBR	VANGUARD SMALL-CAP VALUE ETF	NYSE ARCA
VCYT	VERACYTE, INC.	NASDAQ
VFH	VANGUARD FINANCIALS ETF	NYSE ARCA
VGZ	VISTA GOLD CORP.	NYSE AMERICAN
VHT	VANGUARD HEALTH CARE ETF	NYSE ARCA
VIV	TELEFONICA BRASIL S.A.	NYSE
VMI	VALMONT INDUSTRIES, INC.	NYSE
VNRX	VOLITIONRX LIMITED	NYSE AMERICAN
VO	VANGUARD MID-CAP ETF	NYSE ARCA
VPU	VANGUARD UTILITIES INDEX FUND ETF	NYSE ARCA
VRCA	VERRICA PHARMACEUTICALS INC.	NASDAQ
VTIP	VANGUARD SHORT-TERM INFLATION-PROTECTED SECURITIES	NASDAQ
VV	VANGUARD LARGE-CAP ETF	NYSE ARCA
VVV	VALVOLINE INC.	NYSE
WAY	WAYSTAR HOLDING CORP.	NASDAQ
WBX	WALLBOX N.V.	NYSE
WCLD	WISDOMTREE CLOUD COMPUTING FUND	NASDAQ
WEX	WEX INC.	NYSE
WFG	WEST FRASER TIMBER CO. LTD.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
WH	WYNDHAM HOTELS & RESORTS, INC.	NYSE
WHD	CACTUS INC	NYSE
WK	WORKIVA INC.	NYSE
WKC	WORLD KINECT CORPORATION	NYSE
WLDN	WILLDAN GROUP INC	NASDAQ
WLKP	WESTLAKE CHEMICAL PARTNERS LP	NYSE
WLY	JOHN WILEY & SONS, INC.	NYSE
WNS	WNS HOLDINGS LTD	NYSE
WPP	WPP PLC	NYSE
WPRT	WESTPORT INNOVATIONS INC.	NASDAQ
WSR	WHITESTONE REIT	NYSE
WTFC	WINTRUST FINANCIAL CORPORATION	NASDAQ
WWR	WESTWATER RESOURCES INC	NYSE AMERICAN
XES	SPDR S&P OIL & GAS EQUIPMENT & SVCS ETF	NYSE ARCA
XPRO	EXPRO GROUP HOLDINGS N.V.	NYSE
XSD	SPDR S&P SEMICONDUCTOR ETF	NYSE ARCA
XYLD	GLOBAL X S&P 500 COVERED CALL ETF	NYSE ARCA
YMAB	Y-MABS THERAPEUTICS INC	NASDAQ
YSG	YATSEN HOLDING LTD	NYSE
ZWS	ZURN WATER SOLUTIONS CORPORATION	NYSE
ZYXI	ZYNEX, INC.	NASDAQ

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