

MIAX Sapphire Options Exchange Regulatory Circular 2024-49

DATE: September 20, 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 23, 2024

The following symbols will start trading on MIAX Sapphire Options (the “Exchange”) beginning Monday, September 23, 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
AAPU	DIREXION DAILY AAPL BULL 2X SHARES	NASDAQ
ABCL	ABCELLERA BIOLOGICS, INC.	NASDAQ
ABOS	ACUMEN PHARMACEUTICALS, INC.	NASDAQ
ACAD	ACADIA PHARMACEUTICALS INC.	NASDAQ
ACDC	PROFRAC HOLDING CORPORATION	NASDAQ
ACGL	ARCH CAPITAL GROUP LTD	NASDAQ
ACLS	AXCELIS TECHNOLOGIES INC.	NASDAQ
ACM	AECOM TECHNOLOGY CORPORATION	NYSE
AFMD	AFFIMED N.V.	NASDAQ
AGEN	AGENUS INC.	NASDAQ
AGIO	AGIOS PHARMACEUTICALS INC	NASDAQ
AGL	AGILON HEALTH INC	NYSE
AISP	AIRSHIP AI HOLDINGS, INC.	NASDAQ
AKBA	AKEBIA THERAPEUTICS, INC.	NASDAQ
ALC	ALCON INC	NYSE
ALGT	ALLEGIANT TRAVEL COMPANY	NASDAQ
ALTO	ALTO INGREDIENTS, INC.	NASDAQ
ALXO	ALX ONCOLOGY HOLDINGS INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
AMCR	AMCOR PLC	NYSE
AMCX	AMC NETWORKS INC.	NASDAQ
AMLX	AMLYX PHARMACEUTICALS, INC.	NASDAQ
AMPY	AMPLIFY ENERGY CORPORATION	NYSE
AMR	ALPHA METALLURGICAL RESOURCES, INC.	NYSE
AMRK	A-MARK PRECIOUS METALS, INC.	NASDAQ
AMRN	AMARIN CORPORATION PLC	NASDAQ
AMTX	AEMETIS, INC.	NASDAQ
AMWL	AMERICAN WELL CORP	NYSE
AN	AUTONATION, INC	NYSE
ANSS	ANSYS, INC.	NASDAQ
ANY	SPHERE 3D CORP.	NASDAQ
AOS	A.O. SMITH CORPORATION	NYSE
AOSL	ALPHA & OMEGA SEMICONDUCTOR, LTD.	NASDAQ
APPN	APPIAN CORPORATION	NASDAQ
AQN	ALGONQUIN POWER & UTILITIES CORP	NYSE
AQST	AQUESTIVE THERAPEUTICS, INC.	NASDAQ
ARCH	ARCH COAL, INC.	NYSE
ARE	ALEXANDRIA REAL ESTATE EQUITIES, INC.	NYSE
ARES	ARES MANAGEMENT, L.P.	NYSE
ARHS	ARHAUS, INC.	NASDAQ
ARMK	ARAMARK	NYSE
ARR	ARMOUR RESIDENTIAL REIT, INC.	NYSE
ARWR	ARROWHEAD RESEARCH CORP.	NASDAQ
ASC	ARDMORE SHIPPING CORPORATION	NYSE
ASRT	ASSERTIO THERAPEUTICS, INC.	NASDAQ
ASTH	ASTRANA HEALTH INC.	NASDAQ
ASTL	ALGOMA STEEL GROUP INC.	NASDAQ
ATEC	ALPHATEC HOLDINGS INC	NASDAQ
ATKR	ATKORE INTERNATIONAL GROUP, INC	NYSE
ATMU	ATMUS FILTRATION TECHNOLOGIE	NYSE
ATOM	ATOMERA INCORPORATED	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
ATOS	ATOSSA THERAPEUTICS, INC.	NASDAQ
ATUS	ALTICE USA, INC.	NYSE
AVPT	AVEPOINT, INC	NASDAQ
AVXL	ANAVEX LIFE SCIENCES CORP.	NASDAQ
AWK	AMERICAN WATER WORKS CO., INC.	NYSE
AXL	AMERICAN AXLE & MFG. HLDNGS	NYSE
AXTA	AXALTA COATING SYSTEMS LTD.	NYSE
AZO	AUTOZONE, INC.	NYSE
BAM	BROOKFIELD ASSET MANAGEMENT INC	NYSE
BANC	BANC OF CALIFORNIA, INC.	NYSE
BARK	THE ORIGINAL BARK COMPANY	NYSE
BASE	COUCHBASE, INC.	NASDAQ
BC	BRUNSWICK CORP	NYSE
BDX	BECTON, DICKINSON AND CO	NYSE
BEAM	BEAM THERAPEUTICS, INC.	NASDAQ
BEEM	BEAM GLOBAL	NASDAQ
BERY	BERRY PLASTICS GROUP INC.	NYSE
BFB	BROWN FORMAN CORPORATION CL. B (150 SHRS)	NYSE
BFH	BREAD FINANCIAL HOLDINGS, INC.	NYSE
BGC	BGC GROUP, INC.	NASDAQ
BIGC	BIGCOMMERCE HOLDINGS, INC.	NASDAQ
BITU	PROSHARES ULTRA BITCOIN ETF	NYSE Arca
BJRI	BJ S RESTAURANTS INC	NASDAQ
BLBD	BLUEBIRD CORP	NASDAQ
BLMN	BLOOMIN BRANDS INC.	NASDAQ
BMEA	BIOMEA FUSION, INC.	NASDAQ
BMO	BANK OF MONTREAL	NYSE
BN	BROOKFIELD CORPORATION	NYSE
BNGO	BIONANO GENOMICS, INC.	NASDAQ
BNO	UNITED STATES BRENT OIL ETF	NYSE Arca
BNS	BANK OF NOVA SCOTIA	NYSE
BOWL	BOWLERO CORP.	NYSE
BRBR	BELLRING BRANDS INC	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
BRCC	BRC INC.	NYSE
BRZE	BRAZE, INC.	NASDAQ
BUR	BURFORD CAP LTD	NYSE
BWA	BORGWARNER INC.	NYSE
BWXT	BWX TECHNOLOGIES, INC.	NYSE
BXSL	BLACKSTONE SECURED LENDING FUND	NYSE
BZ	KANZHUN LTD.	NASDAQ
BZH	BEAZER HOMES USA INC.	NYSE
CABA	CABALETTA BIO, INC.	NASDAQ
CADL	CANDEL THERAPEUTICS, INC.	NASDAQ
CAKE	THE CHEESECAKE FACTORY	NASDAQ
CAL	CALERES, INC.	NYSE
CAPR	CAPRICOR THERAPEUTICS, INC.	NASDAQ
CASY	CASEY'S GENERAL STORES, INC.	NASDAQ
CBRE	CBRE GROUP, INC.	NYSE
CCCC	C4 THERAPEUTICS, INC.	NASDAQ
CCEP	COCA-COLA EUROPEAN PARTNERS PLC	NASDAQ
CCOI	COGENT COMMUNICATIONS HOLDINGS, INC.	NASDAQ
CDLX	CARDLYTICS INC	NASDAQ
CDW	CDW CORPORATION	NASDAQ
CEIX	CONSOL ENERGY INC	NYSE
CIA	CITIZENS INC.	NYSE
CIM	CHIMERA INVESTMENT CORPORATION	NYSE
CIVI	CIVITAS RESOURCES, INC	NYSE
CLBT	CELLEBRITE DI LTD.	NASDAQ
CLNE	CLEAN ENERGY FUELS CORPORATION	NASDAQ
CM	CANADIAN IMPERIAL BANK OF COMMERCE	NYSE
CMI	CUMMINS INC.	NYSE
CMP	COMPASS MINERALS INTERNATIONAL, INC.	NYSE
CMPO	COMPOSECURE, INC. CLASS A	NASDAQ
CMPS	COMPASS PATHWAYS PLC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CMRE	COSTAMARE INC.	NYSE
CMTL	COMTECH TELECOMMUNICATION	NASDAQ
CNH	CNH INDUSTRIAL N.V.	NYSE
CNI	CANADIAN NATIONAL RAILWAY	NYSE
CNP	CENTERPOINT ENERGY, INC.	NYSE
CNX	CNX RESOURCES CORPORATION	NYSE
CODX	CO-DIAGNOSTICS, INC.	NASDAQ
COMP	COMPASS INC	NYSE
CONY	YIELDMAX COIN OPTION INCOME STRATEGY ETF	NYSE Arca
COO	COOPER COMPANIES, INC.	NASDAQ
COR	CENCORA, INC.	NYSE
CORN	TEUCRIUM COMMODITY TRUST CORN FUND SHARES ETF	NYSE Arca
COTY	COTY INC.	NYSE
CPA	COPA HOLDINGS SA	NYSE
CPER	UNITED STATES COPPER INDEX FUND	NYSE Arca
CR	CRANE CO.	NYSE
CRC	CALIFORNIA RESOURCES CORP	NYSE
CRDL	CARDIOL THERAPEUTICS INC.	NASDAQ
CRI	CARTER'S , INC.	NYSE
CRL	CHARLES RIVER LABORATORIES INTERNATIONAL, INC.	NYSE
CRMD	CORMEDIX INC.	NASDAQ
CRNX	CRINETICS PHARMACEUTICALS INC	NASDAQ
CRUS	CIRRUS LOGIC INC.	NASDAQ
CSTL	CASTLE BIOSCIENCES, INC.	NASDAQ
CSWC	CAPITAL SOUTHWEST CORP	NASDAQ
CTAS	CINTAS CORP.	NASDAQ
CTXR	CITIUS PHARMACEUTICALS INC	NASDAQ
CUBI	CUSTOMERS BANCORP, INC COMMON STOCK	NYSE
CUTR	CUTERA INC	NASDAQ
CVAC	CUREVAC N.V.	NASDAQ
CVI	CVR ENERGY, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CVM	CEL-SCI CORPORATION	NYSE American
CWEB	DIREXION SHARES ETF TRUST - DIREXION DAILY CSI CHINA INTERNET INDEX BULL 2X SHARES	NYSE Arca
CX	CEMEX, S.A.B. DE C.V.	NYSE
CYRX	CRYOPORT, INC	NASDAQ
DBA	POWERSHARES DB AGRICULTURE	NYSE Arca
DEI	DOUGLAS EMMETT INC	NYSE
DEO	DIAGEO PLC	NYSE
DESP	DESPEGAR.COM, CORP.	NYSE
DGRO	ISHARES CORE DIVIDEND GROWTH ETF	NYSE Arca
DGX	QUEST DIAGNOSTICS INC	NYSE
DINO	HF SINCLAIR CORPORATION	NYSE
DOC	PHYSICIANS REALTY TRUST	NYSE
DOMO	DOMO, INC.	NASDAQ
DOV	DOVER CORPORATION	NYSE
DRIP	DIREXION DLY S&P OIL&GS EX&PRD BR 3X ETF	NYSE Arca
DRN	DIREXION DAILY REAL ESTATE BULL 3X ETF	NYSE Arca
DRV	DIREXION DAILY REAL ESTATE BEAR 3X ETF	NYSE Arca
DSX	DIANA SHIPPING INC	NYSE
DUST	DIREXION DAILY GOLD MINERS BEAR 3X SHARES	NYSE Arca
DVY	ISHARES DJ SELECT DIVIDEND	NASDAQ
DXJ	WISDOMTREE JAPAN HEDGED EQUITY FUND	NYSE Arca
EB	EVENTBRITE, INC.	NYSE
EC	ECOPETROL SA	NYSE
ECL	ECOLAB INC.	NYSE
EDU	NEW ORIENTAL EDUCATION & TECHNOLOGY GROUP	NYSE
EDV	VANGUARD EXTENDED DURATION TREASURY ETF	NYSE Arca
EFX	EQUIFAX INC.	NYSE
EGY	VAALCO ENERGY INC	NYSE
EIX	EDISON INTERNATIONAL	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
EMN	EASTMAN CHEMICAL COMPANY	NYSE
EPAM	EPAM SYSTEMS, INC.	NYSE
EPI	WISDOMTREE INDIA EARNING FUND	NYSE Arca
EQIX	EQUINIX, INC.	NASDAQ
EQR	EQUITY RESIDENTIAL	NYSE
ERAS	ERASCA, INC.	NASDAQ
ERIC	ERICSSON	NASDAQ
ERO	ERO COPPER CORP.	NYSE
ESI	ELEMENT SOLUTIONS INC.	NYSE
ESTA	ESTABLISHMENT LABS HOLDINGS, INC.	NASDAQ
EVA	ENVIVA PARTNERS, LP	NYSE
EVH	EVOLENT HEALTH, INC.	NYSE
EWG	ISHARES MSCI GERMANY INDEX FUND ETF	NYSE Arca
EWQ	ISHARES MSCI FRANCE	NYSE Arca
EWT	ISHARES TAIWAN INDEX ETF	NYSE Arca
EWU	ISHARES MSCI UNITED KINGDOM INDEX ETF	NYSE Arca
EWY	ISHARES MSCI SOUTH KOREA CAPPED INDEX	NYSE Arca
EXPD	EXPEDITORS INTERNATIONAL	NYSE
EXTR	EXTREME NETWORKS, INC.	NASDAQ
EYE	NATIONAL VISION HOLDINGS, INC.	NASDAQ
EZA	ISHARES MSCI SOUTH AFRICA INDEX	NYSE Arca
FDMT	4D MOLECULAR THERAPEUTICS, INC.	NASDAQ
FE	FIRSTENERGY CORP.	NYSE
FERG	FERGUSON PLC	NYSE
FIGS	FIGS, INC.	NYSE
FLNG	FLEX LNG LTD	NYSE
FLUT	FLUTTER ENTERTAINMENT PLC	NYSE
FLYW	FLYWIRE CORPORATION	NASDAQ
FNGR	FINGERMOTION INC	NASDAQ
FNGS	MICROSECTORS FANG+ ETN	NYSE Arca
FOSL	FOSSIL, INC.	NASDAQ
FREY	FREYR BATTERY	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
FRPT	FRESHPET, INC.	NASDAQ
FRSH	FRESHWORKS INC	NASDAQ
FSK	FS KKR CAPITAL CORP.	NYSE
FTRE	FORTREA HOLDINGS INC.	NASDAQ
FULC	FULCRUM THERAPEUTICS, INC.	NASDAQ
FXE	CURRENCYSHARES EURO TRUST	NYSE Arca
GBX	THE GREENBRIER COMPANIES, INC.	NYSE
GCI	GANNETT CO., INC.	NYSE
GDRX	GOODRX HOLDINGS INC	NASDAQ
GDS	GDS HOLDINGS LIMITED	NASDAQ
GEL	GENESIS ENERGY L.P.	NYSE
GENI	GENIUS SPORTS LIMITED	NYSE
GETY	GETTY IMAGES HOLDINGS, INC.	NYSE
GLOB	GLOBANT S.A.	NYSE
GLYC	GLYCOMIMETICS, INC.	NASDAQ
GNW	GENWORTH FINANCIAL INC.	NYSE
GOGO	GOGO, INC.	NASDAQ
GOSS	GOSSAMER BIO INC	NASDAQ
GPC	GENUINE PARTS	NYSE
GPI	GROUP 1 AUTOMOTIVE INC.	NYSE
GPRO	GOPRO, INC.	NASDAQ
GRFS	GRIFOLS SA	NASDAQ
GRMN	GARMIN LTD.	NYSE
GRWG	GROWGENERATION CORP.	NASDAQ
GSM	GLOBE SPECIALTY METALS INC	NASDAQ
GTES	GATES INDUSTRIAL CORPORATION PLC	NYSE
GTN	GRAY TELEVISION, INC.	NYSE
GWRE	GUIDEWIRE SOFTWARE, INC.	NYSE
GWW	GRAINGER, W.W. INC.	NYSE
HALO	HALOZYME THERAPEUTICS INC.	NASDAQ
HASI	HANNON ARMSTRONG SUSTAINABLE INFRASTRUCTURE CAPITAL, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
HCC	WARRIOR MET COAL, INC.	NYSE
HDB	HDFC BANK LTD	NYSE
HIG	THE HARTFORD FINANCIAL SERVICES GROUP, INC.	NYSE
HMC	HONDA MOTOR COMPANY LTD	NYSE
HNRG	HALLADOR ENERGY CO	NASDAQ
HNST	THE HONEST COMPANY, INC	NASDAQ
HOLX	HOLOGIC, INC.	NASDAQ
HP	HELMERICH & PAYNE INC	NYSE
HRB	H&R BLOCK, INC.	NYSE
HRTX	HERON THERAPEUTICS, INC.	NASDAQ
HST	HOST HOTELS & RESORTS	NASDAQ
HTHT	CHINA LODGING GROUP, LIMITED	NASDAQ
HXL	HEXCEL CORPORATION	NYSE
HYLN	HYLIION HOLDINGS CORPORATION	NYSE
HYMC	HYCROFT MINING HOLDING	NASDAQ
IEI	ISHARES 3-7 YEAR TREASURY BOND ETF	NASDAQ
IFF	INTERNATIONAL FLAVORS & FRAGRANCES INC.	NYSE
IHI	ISHARES U.S. MEDICAL DEVICES ETF	NYSE Arca
IIPR	INNOVATIVE INDUSTRIAL PROPERTIES, INC.	NYSE
IJH	ISHARES CORE S&P MID-CAP ETF	NYSE Arca
IMAX	IMAX CORPORATION	NYSE
IMMP	IMMUTEP LTD	NASDAQ
IMMR	IMMERSION CORP	NASDAQ
IMVT	IMMUNOVANT INC	NASDAQ
INFA	INFORMATICA, INC.	NYSE
INFN	INFINERA CORPORATION	NASDAQ
ING	ING GROEP N.V.	NYSE
INO	INOVIO PHARMACEUTICALS, INC.	NASDAQ
INOD	INNODATA INC	NASDAQ
INSG	INSEGO CORPORATION	NASDAQ
INTR	INTER & CO., INC.	NASDAQ
INVH	INVITATION HOMES INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
IPG	THE INTERPUBLIC GROUP OF COMPANIES, INC.	NYSE
IRDM	IRIDIUM COMMUNICATIONS INC.	NASDAQ
ITCI	INTRA-CELLULAR THERAPIES, INC.	NASDAQ
ITOS	ITEOS THERAPEUTICS, INC.	NASDAQ
ITT	ITT INC.	NYSE
ITW	ILLINOIS TOOL WORKS INC.	NYSE
IVR	INVESCO MORTGAGE CAPITAL INCCOM	NYSE
IVV	ISHARES CORE S&P 500 ETF	NYSE Arca
IWN	ISHRS RUSSELL 2000 VALUE ETF	NYSE Arca
IYT	ISHARES DOW JONES TRANSPORTATION AVERAGE	CBOE BZX
IYW	ISHARES US TECHNOLOGY	NYSE Arca
JANX	JANUX THERAPEUTICS, INC.	NASDAQ
JAZZ	JAZZ PHARMACEUTICALS PLC	NASDAQ
JDST	DIREXION DAILY JR GLD MNRS BEAR 3X ETF	NYSE Arca
JEPI	JPMORGAN EQUITY PREMIUM INCOME ETF	NYSE Arca
JEPQ	J.P. MORGAN NASDAQ EQUITY PREMIUM INCOME ETF	NASDAQ
JKS	JINKOSOLAR HOLDING COMPANY LIMITED	NYSE
JNK	SPDR BARCLAYS HIGH YIELD BOND	NYSE Arca
JNPR	JUNIPER NETWORKS, INC.	NYSE
JXN	JACKSON FINANCIAL INCORPORATION	NYSE
KIE	SPDR S&P INSURANCE ETF	NYSE Arca
KLG	WK KELLOGG CO	NYSE
KOPN	KOPIN CORPORATION	NASDAQ
KPTI	KARYOPHARM THERAPEUTICS, INC.	NASDAQ
KULR	KULR TECHNOLOGY GROUP INC	NYSE American
KVYO	KLAVIYO, INC.	NYSE
LAZ	LAZARD LTD.	NYSE
LC	LENDINGCLUB CORPORATION	NYSE
LDOS	LUMOS NETWORKS CORPORATION	NYSE
LEGN	LEGEND BIOTECH CORP	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
LESL	LESLIES INC	NASDAQ
LEU	CENTRUS ENERGY CORP.	NYSE American
LFMD	LIFEMD, INC.	NASDAQ
LFST	LIFESTANCE HEALTH GROUP, INC.	NASDAQ
LHX	L3HARRIS TECHNOLOGIES, INC.	NYSE
LICY	LI-CYCLE HOLDINGS CORPORATION	NYSE
LILM	LILIUM N.V.	NASDAQ
LITE	LUMENTUM HOLDINGS INC.	NASDAQ
LKQ	LKQ CORPORATION	NASDAQ
LLAP	TERRAN ORBITAL CORPORATION	NYSE
LOGC	CONTEXTLOGIC INC.	NASDAQ
LOGI	LOGITECH INTERNATIONAL S.A.	NASDAQ
LOVE	THE LOVESAC COMPANY	NASDAQ
LPG	DORIAN LPG LTD	NYSE
LPLA	LPL FINANCIAL HOLDINGS INC.	NASDAQ
LPX	LOUISIANA-PACIFIC CORPORATION	NYSE
LRN	K12, INC.	NYSE
LSPD	LIGHTSPEED POS, INC.	NYSE
LSTR	LANDSTAR SYSTEM INC	NASDAQ
LZB	LA-Z-BOY INC.	NYSE
MAC	THE MACERICH COMPANY	NYSE
MAG	MAG SILVER CORP.	NYSE American
MANU	MANCHESTER UNITED PLC	NYSE
MAS	MASCO CORP.	NYSE
MATX	MATSON, INC.	NYSE
MAX	MEDIAALPHA INC CLASS A	NYSE
MBI	MBIA INC.	NYSE
MBUU	MALIBU BOATS, INC.	NASDAQ
MCFT	MASTERCRAFT BOAT HOLDINGS, INC	NASDAQ
MDGL	MADRIGAL PHARMACEUTICALS, INC.	NASDAQ
MDY	SPDR S&P MIDCAP 400	NYSE Arca
MERC	MERCER INTERNATIONAL INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
MESO	MESOBLAST LIMITED	NASDAQ
METC	RAMACO RESOURCES, INC.	NASDAQ
MFC	MANULIFE FINANCIAL CORPORATION	NYSE
MFIN	MEDALLION FINANCIAL CORPORATION	NASDAQ
MGNX	MACROGENICS, INC.	NASDAQ
MHK	MOHAWK INDUSTRIES, INC.	NYSE
MIDD	THE MIDDLEBY CORPORATION	NASDAQ
MIR	MIRION TECHNOLOGIES, INC.	NYSE
MMC	MARSH & MCLENNAN INC	NYSE
MMYT	MAKEMYTRIP LTD	NASDAQ
MODG	TOPGOLF CALLAWAY BRANDS CORPORATION	NYSE
MOH	MOLINA HEALTHCARE INC.	NYSE
MOMO	MOMO INC.	NASDAQ
MPWR	MONOLITHIC POWER SYSTEMS INC	NASDAQ
MQ	MARQETA, INC	NASDAQ
MREO	MEREO BIOPHARMA GROUP PLC SPONSORED ADR	NASDAQ
MRNS	MARINUS PHARMACEUTICALS, INC.	NASDAQ
MSCI	MSCI INC	NYSE
MSM	MSC INDUSTRIAL DIRECT CO. INC.	NYSE
MSTY	YIELDMAX MSTR OPTION INCOME STRATEGY ETF	NYSE Arca
MTB	M & T BANK CORP	NYSE
MTN	VAIL RESORTS, INC.	NYSE
MUX	MCEWEN MINING INC.	NYSE
MVST	MICROVAST HOLDINGS, INC. (MVST)	NASDAQ
MXL	MAXLINEAR, INC.	NASDAQ
NBIX	NEUROCRINE BIOSCIENCES	NASDAQ
NCNO	NCINO, INC	NASDAQ
NE	NOBLE CORPORATION	NYSE
NEO	NEOGENOMICS, INC.	NASDAQ
NG	NOVAGOLD RESOURCES INC (DIST)	NYSE American
NINE	NINE ENERGY SERVICE INC	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
NNDM	NANO DIMENSION LTD	NASDAQ
NOG	NORTHERN OIL AND GAS INC	NYSE
NOV	NOV, INC.	NYSE
NTRA	NATERA, INC	NASDAQ
NTRS	NORTHERN TRUST CORPORATIO	NASDAQ
NVCR	NOVOCURE LIMITED	NASDAQ
NVDS	AXS 1.25X NVDA BEAR DAILY ETF	NASDAQ
NVDU	DIREXION DAILY NVDA BULL 1.5X SHARES	NASDAQ
NVDX	T-REX 2X LONG NVIDIA DAILY	CBOE BZX
NVDY	YIELDMAX NVDA OPTION INCOME STRATEGY ETF	NYSE Arca
NVMI	NOVA MEASURING INSTRUMENTS LTD.	NASDAQ
NVRO	NEURO CORP.	NYSE
NVT	NVENT ELECTRIC PLC	NYSE
NXST	NEXSTAR BROADCASTING GROUP, INC.	NASDAQ
OCUL	OCULAR THERAPEUTIX, INC.	NASDAQ
OI	OWENS-ILLINOIS INC.	NYSE
OLED	CAMBRIDGE DISPLAY TECHNOLOGY INC.	NASDAQ
OLMA	AURORA INNOVATION, INC.	NASDAQ
OLN	OLIN CORP.	NYSE
OMC	OMNICOM GROUP	NYSE
OMER	OMEROS CORPORATION	NASDAQ
OMI	OWENS & MINOR, INC	NYSE
OPTT	OCEAN POWER TECHNOLOGIES, INC.	NYSE American
OR	OSISKO GOLD ROYALTIES LTD	NYSE
ORA	ORMAT TECHNOLOGIES, INC.	NYSE
ORGN	ORIGIN MATERIALS, INC.	NASDAQ
ORLY	O'REILLY AUTOMOTIVE INC.	NASDAQ
OSPN	ONESPAN INC.	NASDAQ
OTEX	OPEN TEXT CORPORATION	NASDAQ
OTIS	OTIS WORLDWIDE CORPORATION	NYSE
OTLY	OATLY GROUP AB	NASDAQ
PAGP	PLAINS GP HOLDINGS, L.P.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
PCOR	PROCORE TECH.	NYSE
PCTY	PAYLOCITY HOLDING CORPORATION	NASDAQ
PD	PAGERDUTY, INC.	NYSE
PDCO	PATTERSON COMPANIES, INC.	NASDAQ
PDSB	PDS BIOTECHNOLOGY CORP.	NASDAQ
PEGA	PEGASYSTEMS, INC.	NASDAQ
PERI	PERION NETWORK LTD.	NASDAQ
PFF	ISHARES US PREFERRED STOCK	NASDAQ
PFGC	PERFORMANCE FOOD GROUP COMPANY	NYSE
PGNY	PROGYNY INC	NASDAQ
PHAT	PHATHOM PHARMACEUTICALS, INC.	NASDAQ
PHG	KONINKLIJKE PHILIPS N.V	NYSE
PK	PARK HOTELS & RESORTS INC.	NYSE
PL	PLANET LABS PBC	NYSE
PLL	PIEDMONT LITHIUM LTD	NASDAQ
PLSE	PULSE BIOSCIENCES, INC.	NASDAQ
PMT	PENNYMAC MORTGAGE INVESTMENT TRUST	NYSE
POR	PORTLAND GENERAL ELECTRIC COMPANY	NYSE
POWW	AMMO INC	NASDAQ
PPC	PILGRIMS PRIDE CORP	NASDAQ
PPTA	PERPETUA RESOURCES CORP.	NASDAQ
PRAX	PRAXIS PRECISION MEDICINES, INC.	NASDAQ
PRCH	PORCH GROUP, INC.	NASDAQ
PRCT	PROCEPT BIROBOTICS CORP.	NASDAQ
PRIM	PRIMORIS SERVICES CORPORATION	NYSE
PRKS	O UNITED PARKS & RESORTS INC.	NYSE
PRMW	PRIMO WATER CORP.	NYSE
PSA	PUBLIC STORAGE	NYSE
PSFE	PAYSAFE LIMITED	NYSE
PSN	PARSONS CORPORATION	NYSE
PUBM	PUBMATIC INC	NASDAQ
PWSC	POWERSCHOOL HOLDINGS INC	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
QDEL	QUIDEL CORPORATION	NASDAQ
QGEN	QIAGEN N V	NYSE
QID	PROSHARES ULTRASHORT QQQ	NYSE Arca
QRTEA	QURATE RETAIL, INC.	NASDAQ
QYLD	GLOBAL X NASDAQ 100 COVERED CALL ETF	NASDAQ
RBA	RITCHIE BROS. AUCTIONEERS INCORPORATED	NYSE
RC	READY CAPITAL CORPORATION	NYSE
RCUS	ARCUS BIOSCIENCES, INC.	NYSE
RDNT	RADNET, INC.	NASDAQ
RDW	REDWIRE CORPORATION	NYSE
REGN	REGENERON PHARMACEUTICALS	NASDAQ
REKR	REKOR SYSTEMS, INC.	NASDAQ
RGEN	REPLIGEN CORPORATION	NASDAQ
RGLD	ROYAL GOLD, INC.	NASDAQ
RGTI	RIGETTI COMPUTING, INC	NASDAQ
RHI	ROBERT HALF INTERNATIONAL	NYSE
RICK	RCI HOSPITALITY HOLDINGS, INC.	NASDAQ
RIGL	RIGEL PHARMACEUTICALS, INC.	NASDAQ
RMBS	RAMBUS INC	NASDAQ
RNA	AVIDITY BIOSCIENCES INC	NASDAQ
ROK	ROCKWELL AUTOMATION	NYSE
RRR	RED ROCK RESORTS, INC.	NASDAQ
RS	RELIANCE STEEL & ALUMINUM CO.	NYSE
RSG	REPUBLIC SERVICES	NYSE
RTO	RENTOKIL INITIAL PLC	NYSE
RVLV	REVOLVE GROUP, INC.	NYSE
RVMD	REVOLUTION MEDICINES, INC.	NASDAQ
RVNC	REVANCE THERAPEUTICS, INC.	NASDAQ
RWT	REDWOOD TRUST, INC.	NYSE
RYAM	RAYONIER ADVANCED MATERIALS INC.	NYSE
SAIA	SAIA, INC.	NASDAQ
SAM	BOSTON BEER COMPANY, INC.	NYSE
SAND	SANDSTORM GOLD LTD.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
SAP	SAP AG	NYSE
SARK	TUTTLE CAPITAL SHORT INNOVATION ETF	NASDAQ
SB	SAFE BULKERS INC.	NYSE
SCLX	SCILEX HOLDING COMPANY COMMON STOCK	NASDAQ
SCO	PROSHARE ULTRASHORT DJ UBS CRUDE OIL	NYSE Arca
SDGR	SCHRODINGER, INC.	NASDAQ
SEAT	VIVID SEATS INC	NASDAQ
SEE	SEALED AIR CORP	NYSE
SFM	SPROUTS FARMERS MARKET, INC.	NASDAQ
SGML	SIGMA LITHIUM CORP	NASDAQ
SHCO	SOHO HOUSE & CO INC.	NYSE
SHCR	SHARECARE, INC.	NASDAQ
SHW	THE SHERWIN-WILLIAMS COMPANY	NYSE
SHY	ISHARES BARCLAYS 1-3 YEAR TREASURY BOND	NASDAQ
SIBN	SI-BONE, INC.	NASDAQ
SID	COMPANHIA SIDERURGICAL NACIONAL ADR	NYSE
SIGA	SIGA TECHNOLOGIES INC.	NASDAQ
SII	SPROTT INC	NYSE
SIMO	SILICON MOTION TECHNOLOGY CORP.	NASDAQ
SKYT	SKYWATER TECHNOLOGY INC	NASDAQ
SKYW	SKYWEST INC.	NASDAQ
SLI	STANDARD LITHIUM LTD.	NYSE American
SLM	SLM CORP	NASDAQ
SLQT	SELECTQUOTE, INC.	NYSE
SM	SM ENERGY COMPANY	NYSE
SN	SHARKNINJA INC	NYSE
SNV	SYNOVUS FINANCIAL CORPORATION	NYSE
SNX	SYNNEX CORPORATION	NYSE
SOLV	SOLVENTUM CORPORATION	NYSE
SONO	SONOS, INC.	NASDAQ
SPIR	SPIRE GLOBAL, INC.	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
SPLG	SPDR PORTFOLIO S&P 500 ETF	NYSE Arca
SPT	SPROUT SOCIAL INC	NASDAQ
SPYG	SPDR PORTFOLIO S&P 500 GROWTH ETF	NYSE Arca
SQM	CHEMICAL & MINING CO. OF CHILE INC.	NYSE
SRE	SEMPRA ENERGY	NYSE
SSTK	SHUTTERSTOCK, INC.	NYSE
STAA	STAAR SURGICAL COMPANY	NASDAQ
STEM	STEM, INC.	NYSE
STLD	STEEL DYNAMICS INC	NASDAQ
SUN	SUNOCO L.P.	NYSE
SVM	SILVERCORP METALS INC	NYSE American
SVRA	SAVARA INC.	NASDAQ
TDC	TERADATA CORP.	NYSE
TDW	TIDEWATER INC.	NYSE
TECS	DIREXION DAILY TECHNOLOGY BEAR 3X ETF	NYSE Arca
TEL	TE CONNECTIVITY LTD.	NYSE
TEM	TEMPUS AI, INC	NASDAQ
TENB	TENABLE HOLDINGS INC	NASDAQ
TERN	TERNS PHARMACEUTICALS, INC.	NASDAQ
TGB	TASEKO MINES LIMITED	NYSE American
TGNA	TEGNA, INC.	NYSE
THO	THOR INDUSTRIES INC	NYSE
TK	TEEKAY CORP	NYSE
TMCI	TREACE MEDICAL CONCEPTS, INC.	NASDAQ
TMDX	TRANSMEDICS GROUP, INC.	NASDAQ
TMV	DIREXION DAILY 20 YEAR TREASURY BEAR 3X SHARES	NYSE Arca
TPC	TUTOR PERINI CORPORATION	NYSE
TREX	TREX CO. INC.	NYSE
TRMD	TORM PLC	NASDAQ
TRP	TRANSCANADA CORP.	NYSE
TSLQ	AXS TSLA BEAR DAILY ETF	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
TSLS	DIREXDIREXION DAILY TSLA BEAR 1X SHARES	NASDAQ
TSLT	T-REX 2X LONG TESLA DAILY TARGET ETF	NASDAQ
TSLY	YIELDMAX TSLA OPTION INCOME STRATEGY ETF	NYSE Arca
TTI	TETRA TECHNOLOGIES, INC.	NYSE
TVTX	TRAVERE THERAPEUTICS, INC	NASDAQ
TW	TRADEWEB MARKETS INC.	NASDAQ
TWO	TWO HARBORS INVESTMENT CORPORATION	NYSE
TWST	TWIST BIOSCIENCE CORP.	NASDAQ
TXRH	TEXAS ROADHOUSE, INC.	NASDAQ
TXT	TEXTRON INC.	NYSE
UAN	CVR PARTNERS LP	NYSE
UDN	POWERSHARES DB US DOLLAR INDEX BEARISH FUND	NYSE Arca
UGI	UGI CORPORATION	NYSE
UHS	UNIVERSAL HEALTH SERVICES INC	NYSE
ULCC	FRONTIER GROUP HOLDINGS, INC.	NASDAQ
UMC	UNITED MICROELECTRONICS CORPORATION	NYSE
UNFI	UNITED NATURAL FOODS, INC.	NYSE
UNM	UNUM GROUP	NYSE
URGN	UROGEN PHARMA LTD	NASDAQ
URNJ	SPROTT JUNIOR URANIUM MINERS ETF	NASDAQ
UROY	URANIUM ROYALTY CORP	NASDAQ
URTY	PROSHARES ULTRAPRO RUSSELL2000	NYSE Arca
USD	PROSHARES ULTRA SEMICONDUCTORS	NYSE Arca
UTHR	UNITED THERAPEUTICS CORP	NASDAQ
VAL	VALARIS LIMITED	NYSE
VERI	VERITONE, INC.	NASDAQ
VERU	VERU INC	NASDAQ
VET	VERMILION ENERGY INC	NYSE
VGK	VANGUARD FTSE EUROPE ETF	NYSE Arca

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
VGLT	VANGUARD LONG-TERM TREASURY ETF	NASDAQ
VGT	VANGUARD INFORMATION TECHNOLOGY ETF	NYSE Arca
VIK	VIKING HOLDINGS LTD ORDINARY SHARES	NYSE
VIRT	VIRTU FINANCIAL, INC.	NASDAQ
VIST	VISTA OIL & GAS SAB DE CV	NYSE
VITL	VITAL FARMS, INC.	NASDAQ
VNDA	VANDA PHARMACEUTICALS, INC.	NASDAQ
VNOM	VIPER ENERGY PARTNERS LP	NASDAQ
VRE	VERIS RESIDENTIAL, INC.	NYSE
VRNS	VARONIS SYSTEMS, INC.	NASDAQ
VRSN	VERISIGN, INC.	NASDAQ
VSTO	VISTA OUTDOOR INC.	NYSE
VTNR	VERTEX ENERGY, INC.	NASDAQ
VTR	VENTAS, INC.	NYSE
VTYX	VENTYX BIOSCIENCES, INC.	NASDAQ
VUZI	VUZIX CORPORATION	NASDAQ
VWO	VANGUARD MSCI EMERGING MARKETS ETF	NYSE Arca
VXRT	VAXART, INC.	NASDAQ
VYM	VANGUARD HIGH DIVIDEND YIELD ETF	NYSE Arca
WCN	WASTE CONNECTIONS INC.	NYSE
WDFC	WD-40 COMPANY	NASDAQ
WEC	WISCONSIN ENERGY CORP.	NYSE
WES	WESTERN MIDSTREAM PARTNERS L.P.	NYSE
WLK	WESTLAKE CHEMICAL CORP	NYSE
WMS	ADVANCED DRAINAGE SYSTEMS, INC.	NYSE
WPC	W.P. CAREY INC.	NYSE
WRAP	WRAP TECHNOLOGIES, INC.	NASDAQ
WRB	BERKLEY(WR) CORP	NYSE
WRBY	WARBY PARKER, INC.	NYSE
WST	WEST PHARMACEUTICAL SERVICES INC	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
WTI	W&T OFFSHORE INC	NYSE
WU	THE WESTERN UNION COMPANY	NYSE
WWW	WOLVERINE WORLD WIDE INC	NYSE
WY	WEYERHAEUSER COMPANY	NYSE
XEL	XCEL ENERGY INC	NASDAQ
XFOR	X4 PHARMACEUTICALS, INC.	NASDAQ
XYL	XYLEM INC.	NYSE
YELP	YELP, INC.	NYSE
YOU	CLEAR SECURE, INC	NYSE
ZK	ZEEKR INTELLIGENT TECHNOLOGY HOLDING LIMITED	NYSE
ZLAB	ZAI LAB LTD	NASDAQ
ZUO	ZUORA, INC.	NYSE
ZVRA	ZEVRA THERAPEUTICS, INC.	NASDAQ

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