

# Membership list

## Russell 3000® Index

Company	Ticker
10X GENOMICS	TXG
1-800-FLOWERS.COM CL A	FLWS
1LIFE HEALTHCARE	ONEM
1ST SOURCE	SRCE
1STDIBS.COM	DIBS
22ND CENTURY GROUP INC.	XXII
23ANDME HOLDING CO	ME
2SEVENTY BIO	TSVT
2U	TWOU
3-D SYSTEMS	DDD
3M COMPANY	MMM
4D MOLECULAR THERAPEUTICS	FDMT
5E ADVANCED MATERIALS INC	FEAM
8X8	EGHT
908 DEVICES	MASS
A K A BRANDS HOLDING	AKA
A10 NETWORKS	ATEN
AADI BIOSCIENCE INC	AADI
AAON INC	AAON
AAR CORP	AIR
ABBOTT LABORATORIES	ABT
ABBVIE INC	ABBV
ABCELLERA BIOLOGICS	ABCL
ABERCROMBIE & FITCH A	ANF
ABIOMED INC	ABMD
ABM INDUSTRIES INC	ABM
ABSCI	ABSI
ACADEMY SPORTS AND OUTDOORS	ASO
ACADIA HEALTHCARE	ACHC
ACADIA PHARMACEUTICALS	ACAD
ACADIA REALTY	AKR
ACCEL ENTERTAINMENT (A)	ACEL
ACCENTURE CL A	ACN
ACCO BRANDS	ACCO
ACCOLADE	ACCD
ACCRETIVE HEALTH	RCM
ACI WORLDWIDE	ACIW
ACLARIS THERAPEUTICS	ACRS
ACM RESEARCH	ACMR
ACNB CORP.	ACNB
ACTIVISION BLIZZARD	ATVI
ACUITY BRANDS INC	AYI
ACUSHNET HOLDINGS	GOLF
ACV AUCTIONS	ACVA
ADAGIO THERAPEUTICS	ADGI
ADAPTHEALTH	AHCO
ADAPTIVE BIOTECHNOLOGIES	ADPT
ADDUS HOMECARE	ADUS

Company	Ticker
ADICET BIO INC	ACET
ADIENT PLC	ADNT
ADMA BIOLOGICS INC	ADMA
ADOBE	ADBE
ADT INC	ADT
ADTALEM GLOBAL EDUCATION	ATGE
ADTHEORENT HOLDING COMPANY INC	ADTH
ADTRAN INC	ADTN
ADVANCE AUTO PARTS	AAP
ADVANCED DRAINAGE SYSTEMS	WMS
ADVANCED ENERGY INDUSTRIES	AEIS
ADVANCED MICRO DEV	AMD
ADVANSIX	ASIX
ADVANTAGE SOLUTIONS INC (A)	ADV
AECOM	ACM
AEMETIS	AMTX
AERIE PHARMACEUTICALS INC	AERI
AEROJET ROCKETDYNE HOLDINGS	AJRD
AEROVATE THERAPEUTICS	AVTE
AEROVIRONMENT	AVAV
AERSALE CORPORATION	ASLE
AES CORP.	AES
AEVA TECHNOLOGIES INC	AEVA
AEYE INC	LIDR
AFC GAMMA	AFCG
AFFILIATED MANAGERS GROUP	AMG
AFFIMED N.V.	AFMD
AFFIRM HOLDINGS	AFRM
AFLAC	AFL
AGCO CORP	AGCO
AGENUS	AGEN
AGILENT TECHNOLOGIES	A
AGILITI	AGTI
AGILON HEALTH	AGL
AGILYSYS	AGYS
AGIOS PHARMACEUTICALS	AGIO
AGNC INVESTMENT	AGNC
AGREE REALTY	ADC
AIR LEASE	AL
AIR PRODUCTS & CHEMICALS INC	APD
AIR TRANSPORT SERVICES GROUP	ATSG
AIRBNB	ABNB
AIRSCULPT TECHNOLOGIES	AIRS
AKAMAI TECHNOLOGIES	AKAM
AKERO THERAPEUTICS	AKRO
AKOUSTIS TECHNOLOGIES INC	AKTS
AKOYA BIOSCIENCES	AKYA
ALAMO GROUP	ALG

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Company	Ticker
ALARM.COM HOLDINGS	ALRM
ALASKA AIR GROUP	ALK
ALBANY INTERNATIONAL A	AIN
ALBEMARLE	ALB
ALBERTSONS COMPANIES	ACI
ALBIREO PHARMA	ALBO
ALCOA CORPORATION	AA
ALECTOR	ALEC
ALERUS FINANCIAL CORP.	ALRS
ALEXANDER & BALDWIN INC.	ALEX
ALEXANDERS INC	ALX
ALEXANDRIA REAL ESTATE EQUITY	ARE
ALICO INC	ALCO
ALIGHT INC (A)	ALIT
ALIGN TECHNOLOGY INC	ALGN
ALIGNMENT HEALTHCARE	ALHC
ALKAMI TECHNOLOGY	ALKT
ALKERMES PLC	ALKS
ALLBIRDS	BIRD
ALLEGHANY	Y
ALLEGHENY TECHNOLOGIES	ATI
ALLEGIANCE BANCSHARES	ABTX
ALLEGiant TRAVEL	ALGT
ALLEGION PLC	ALLE
ALLEGRO MICROSYSTEMS	ALGM
ALLETE	ALE
ALLIANT ENERGY	LNT
ALLIED MOTION TECHNOLOGIES	AMOT
ALLISON TRANSMISSION HOLDINGS	ALSN
ALLOGENE THERAPEUTICS	ALLO
ALLOVIR	ALVR
ALLSCRIPTS HEALTHCARE SOLUTIONS	MDRX
ALLSTATE CORP	ALL
ALLY FINANCIAL	ALLY
ALNYLAM PHARMACEUTICALS	ALNY
ALPHA & OMEGA SEMICONDUCTOR	AOSL
ALPHA METALLURGICAL RESOURCES INC	AMR
ALPHA TEKNOVA	TKNO
ALPHABET CLASS A	GOOGL
ALPHABET CLASS C	GOOG
ALPHATEC HOLDINGS INC.	ATEC
ALPINE IMMUNE SCIENCES	ALPN
ALTA EQUIPMENT GROUP INC (A)	ALTG
ALTAIR ENGINEERING	ALTR
ALTERYX	AYX
ALTICE USA	ATUS
ALTO INGREDIENTS INC	ALTO
ALTRA INDUSTRIAL MOTION	AIMC

Company	Ticker
ALTUS POWER INC (A)	AMPS
ALX ONCOLOGY HOLDINGS	ALXO
AMALGAMATED FINANCIAL CORP	AMAL
AMARK PRECIOUS METALS	AMRK
AMAZON.COM	AMZN
AMBAC FINANCIAL GROUP INC	AMBC
AMBARELLA INC	AMBA
AMC ENTERTAINMENT	AMC
AMC NETWORKS	AMCX
AMCOR	AMCR
AMDOCS	DOX
AMEDISYS INC	AMED
AMER RLTY INV	ARL
AMERANT BANCORP (A)	AMTB
AMERCO	UHAL
AMEREN CORP	AEE
AMERESCO	AMRC
AMERICA CAR MART	CRMT
AMERICAN AIRLINES GROUP	AAL
AMERICAN ASSETS TRUST INC.	AAT
AMERICAN AXLE & MFG HOLDINGS	AXL
AMERICAN CAMPUS COMMUNITIES	ACC
AMERICAN EAGLE OUTFITTERS	AEO
AMERICAN ELEC POWER COM	AEP
AMERICAN EQUITY INVESTMENT LIFE	AEL
AMERICAN EXPRESS COM	AXP
AMERICAN FINANCE GROUP HLDG.	AFG
AMERICAN HOMES 4 RENT	AMH
AMERICAN INTL GROUP	AIG
AMERICAN NATIONAL BANKSHARES	AMNB
AMERICAN PUBLIC EDUCATION	APEI
AMERICAN SOFTWARE CLASS A	AMSWA
AMERICAN STATES WATER	AWR
AMERICAN TOWER CORP	AMT
AMERICAN VANGUARD	AVD
AMERICAN WATER WORKS COMPANY	AWK
AMERICAN WELL	AMWL
AMERICAN WOODMARK	AMWD
AMERICOLD REALTY TRUST INC	COLD
AMERIPRISE FINANCIAL	AMP
AMERIS BANCORP	ABCB
AMERISAFE	AMSF
AMERISOURCEBERGEN	ABC
AMETEK INC	AME
AMGEN CORP	AMGN
AMICUS THERAPEUTICS	FOLD
AMKOR TECH INC	AMKR
AMMO INC	POWW

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Company	Ticker
ALTRIA GROUP	MO
AMNEAL PHARMACEUTICALS	AMRX
AMPHASTAR PHARMACEUTICALS	AMPH
AMPHENOL CORP A	APH
AMPLIFY ENERGY	AMPY
AMPLITUDE INC	AMPL
AMLYX PHARMACEUTICALS	AMLX
AMYRIS	AMRS
AN2 THERAPEUTICS	ANTX
ANALOG DEVICES	ADI
ANAPTYS BIO	ANAB
ANAVEX LIFE SCIENCES	AVXL
ANDERSONS INC	ANDE
ANGEL OAK MORTGAGE	AOMR
ANGIODYNAMICS	ANGO
ANI PHARMACEUTICALS	ANIP
ANIKA THERAPEUT	ANIK
ANNALY CAPITAL MANAGEMENT	NLY
ANSYS INC	ANSS
ANTERIX	ATEX
ANTERO MIDSTREAM CORP	AM
ANTERO RESOURCES	AR
ANTHEM	ANTM
ANYWHERE REAL ESTATE INC	HOUS
AON PLC	AON
APA CORPORATION	APA
APARTMENT INCOME REIT	AIRC
APARTMENT INV MANAGEMENT	AIV
APELLIS PHARMACEUTICALS	APLS
API GROUP	APG
APOGEE ENTERPRISES	APOG
APOLLO COMMERCIAL REAL ESTATE FINANCE	ARI
APOLLO GLOBAL MANAGEMENT INC	APO
APOLLO MEDICAL HOLDINGS INC	AMEH
APPFOLIO	APPF
APPHARVEST INC	APPH
APPIAN	APPN
APPLE HOSPITALITY REIT	APLE
APPLE INC.	AAPL
APPLIED BLOCKCHAIN	APLD
APPLIED INDUSTRIAL TECHNOLOGY	AIT
APPLIED MATERIALS	AMAT
APPLOVIN	APP
APTARGROUP	ATR
APTIV PLC	APTIV
ARAMARK	ARMK
ARBOR REALTY TRUST	ABR
ARBUS BIOPHARMA CORP.	ABUS

Company	Ticker
AMN HEALTHCARE SERVICES INC	AMN
ARCH CAPITAL GP	ACGL
ARCH RESOURCES INC	ARCH
ARCHAEA ENERGY INC (A)	LFG
ARCHER AVIATION INC (A)	ACHR
ARCHER DANIELS MIDLAND	ADM
ARCHROCK	AROC
ARCONIC CORPORATION	ARNC
ARCOSA	ACA
ARCTURUS THERAPEUTICS HOLDINGS INC	ARCT
ARCUS BIOSCIENCES	RCUS
ARCUTIS BIOTHERAPEUTICS	ARQT
ARDAGH METAL PACKAGING SA	AMBP
ARDMORE SHIPPING	ASC
ARENA GROUP HOLDINGS	AREN
ARES COMMERCIAL REAL ESTATE	ACRE
ARES MANAGEMENT CORPORATION	ARES
ARGAN INC.	AGX
ARGO GROUP INTL	ARGO
ARIS WATER SOLUTIONS	ARIS
ARISTA NETWORKS	ANET
ARKO CORP (A)	ARKO
ARLO TECHNOLOGIES	ARLO
ARMADA HOFFLER PROPERTIES	AHH
ARMOUR RESIDENTIAL REIT	ARR
ARMSTRONG WORLD INDUSTRIES INC.	AWI
ARRAY TECHNOLOGIES	ARRY
ARROW ELECTRONICS	ARW
ARROW FINANCIAL	AROW
ARROWHEAD PHARMACEUTICALS INC.	ARWR
ARTERIS	AIP
ARTESIAN RES A	ARTNA
ARTHUR J GALLAGHER	AJG
ARTISAN PARTNERS ASSET MANAGEMENT	APAM
ARTIVION INC	AORT
ARVINAS HOLDING	ARVN
ASANA	ASAN
ASBURY AUTOMOTIVE GROUP INC	ABG
ASGN INCORPORATED	ASGN
ASHFORD HOSPITALITY TRUST	AHT
ASHLAND GLOBAL HOLDINGS INC	ASH
ASPEN AEROGELS	ASPN
ASPEN TECHNOLOGY	AZPN
ASSETMARK FINANCIAL HOLDINGS	AMK
ASSOCIATED BANC-CORP	ASB
ASSOCIATED CAPITAL GROUP	AC
ASSURANT	AIZ
ASSURED GUARANTY	AGO

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Company	Ticker
ARCBEST CORP	ARCB
ARCELLX INC	ACLX
ASTRONICS	ATRO
AT&T	T
ATARA BIOTHERAPEUTICS	ATRA
ATEA PHARMACEUTICALS	AVIR
ATERIAN INC	ATER
ATHIRA PHARMA	ATHA
ATI PHYSICAL THERAPY INC (A)	ATIP
ATKORE INC	ATKR
ATLANTIC UNION BANKSHARES	AUB
ATLANTICUS HOLDINGS CORP	ATLC
ATLAS AIR WORLDWIDE HOLDINGS	AAWW
ATLAS TECHNICAL CONSULTANTS INC (A)	ATCX
ATLASSIAN	TEAM
ATMOS ENERGY	ATO
ATN INTERNATIONAL	ATNI
ATOMERA	ATOM
ATRICURE	ATRC
ATRION CORP	ATRI
AUDACY	AUD
AURA BIOSCIENCES	AURA
AURINIA PHARMACEUTICALS NASDAQ	AUPH
AUTODESK	ADSK
AUTOMATIC DATA PROCESS	ADP
AUTONATION	AN
AUTOZONE	AZO
AVALARA	AVLR
AVALONBAY COMMUNITIES	AVB
AVANGRID	AGR
AVANOS MEDICAL	AVNS
AVANTOR	AVTR
AVAYA HOLDINGS	AVYA
AVEANNA HEALTHCARE HOLDINGS	AVAH
AVEPOINT INC (A)	AVPT
AVERY DENNISON CORP	AVY
AVIAT NETWORKS	AVNW
AVID BIOSERVICES	CDMO
AVID TECHNOLOGY	AVID
AVIDITY BIOSCIENCES	RNA
AVIDXCHANGE HOLDINGS	AVDX
AVIENT CORP	AVNT
AVIS BUDGET GROUP	CAR
AVISTA CORP	AVA
AVNET	AVT
AXALTA COATING SYSTEMS	AXTA
AXCELIS TECHS	ACLS
AXIS CAPITAL HOLDINGS	AXS

Company	Ticker
ASTEC INDS INC	ASTE
ASTRA SPACE INC	ASTR
AXOS FINANCIAL	AX
AXSOME THERAPEUTICS	AXSM
AXT INC	AXTI
AZENTA INC	AZTA
AZZ INC	AZZ
B RILEY SECURITIES INC	RILY
B&G FOODS	BGS
BABCOCK & WILCOX ENTERPRISES	BW
BABYLON HOLDINGS LTD (A)	BBLN
BADGER METER	BMI
BAKER HUGHES COMPANY	BKR
BAKKT HOLDINGS INC (A)	BKKT
BALCHEM	BCPC
BALL CORP	BALL
BALLY'S CORPORATION	BALY
BANC OF CALIFORNIA	BANC
BANCFIRST	BANF
BANCO LATINOAMERICANO DE COMERCIO EXTERI	BLX
BANDWIDTH CLASS A	BAND
BANK FIRST	BFC
BANK OF AMERICA	BAC
BANK OF HAWAII	BOH
BANK OF MARIN BANCORP	BMRC
BANK OF N.T. BUTTERFIELD & SON	NTB
BANK OF NEW YORK MELLON	BK
BANK OZK	OZK
BANKUNITED	BKU
BANKWELL FINANCIAL GROUP	BWFG
BANNER CORP	BANR
BAR HARBOR BK	BHB
BARK INC (A)	BARK
BARNES GROUP INC	B
BARRETT BUS	BBSI
BATH & BODY WORKS INC	BBWI
BATTALION OIL CORPORATION	BATL
BAXTER INTL	BAX
BAYCOM	BCML
BCB BANCORP INC.	BCBP
BEACON ROOFING SUPPLY	BECN
BEAM THERAPEUTICS	BEAM
BEAUTY HEALTH CO	SKIN
BEAZER HOMES USA	BZH
BECTON DICKINSON	BDX
BED BATH BEYOND	BBBY
BELDEN	BDC
BELLRING BRANDS	BRBR

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Company	Ticker
AXOGEN	AXGN
AXON ENTERPRISE	AXON
AXONICS INC	AXNX
BENTLEY SYSTEMS	BSY
BERKELEY LIGHTS	BLI
BERKLEY W R	WRB
BERKSHIRE GREY INC (A)	BGRY
BERKSHIRE HATHAWAY B	BRK.B
BERKSHIRE HILLS BANCORP	BHLB
BERRY CORPORATION	BRY
BERRY GLOBAL GROUP	BERY
BEST BUY COMPANY	BBY
BEYOND MEAT	BYND
BGC PARTNERS	BGCP
BIG 5 SPORTING GOODS CORP	BGFV
BIG LOTS	BIG
BIGCOMMERCE HOLDINGS	BIGC
BIGLARI HOLDINGS B	BH
BILL.COM HOLDINGS	BILL
BIOCRIST PHARM	BCRX
BIOMER	BIIB
BIOHAVEN PHARMACEUTICALS HOLDINGS	BHVN
BIOLIFE SOLUTIONS INC	BLFS
BIOMARIN PHARM	BMRN
BIONANO GENOMICS INC	BNGO
BIO-RAD LABS A	BIO
BIO-TECHNE	TECH
BIOVENTUS	BVS
BIOXCEL THERAPEUTICS	BTAI
BIRD GLOBAL INC (A)	BRDS
BJS RESTAURANTS	BJRI
BJ'S WHOLESALE CLUB HOLDINGS	BJ
BLACK HILLS CORP	BKH
BLACK KNIGHT	BKI
BLACKBAUD	BLKB
BLACKLINE	BL
BLACKROCK INC	BLK
BLACKSTONE INC	BX
BLACKSTONE MORTGAGE TRUST	BXMT
BLADE AIR MOBILITY INC (A)	BLDE
BLEND LABS	BLND
BLINK CHARGING	BLNK
BLOCK (H & R) NPV	HRB
BLOCK INC (A)	SQ
BLOOM ENERGY	BE
BLOOMIN BRANDS	BLMN
BLUCORA	BCOR
BLUE BIRD	BLBD

Company	Ticker
BENCHMARK ELECT	BHE
BENEFITFOCUS	BNFT
BENSON HILL INC	BHIL
BLUEGREEN VACATIONS HOLDING CORPORATION	BVH
BLUELINX HOLDINGS	BXC
BLUEPRINT MEDICINES	BPMC
BLUEROCK RESIDENTIAL GROWTH REIT	BRG
BOEING	BA
BOISE CASCADE COMPANY	BCC
BOK FINANCIAL CORP	BOKF
BOOKING HOLDINGS	BKNG
BOOT BARN HOLDINGS	BOOT
BOOZ ALLEN HAMILTON	BAH
BORGWARNER	BWA
BORR DRILLING	BORR
BOSTON BEER	SAM
BOSTON OMAHA	BOC
BOSTON PROPERTIES	BXP
BOSTON SCIENTIFIC CORP	BSX
BOWLERO CORP (A)	BOWL
BOX INC	BOX
BOXED INC (A)	BOXD
BOYD GAMING	BYD
BRADY CORP	BRC
BRAEMAR HOTELS & RESORTS	BHR
BRANDYWINE RLTY	BDN
BRC INC (A)	BRCC
BREAD FINANCIAL HOLDING INC	BFH
BRIDGEBIO PHARMA	BBIO
BRIDGEWATER BANCSHARES	BWB
BRIGHAM MINERALS	MNRL
BRIGHT HEALTH GROUP	BHG
BRIGHT HORIZONS FAMILY SOLUTIONS	BFAM
BRIGHTCOVE	BCOV
BRIGHTHOUSE FINANCIAL	BHF
BRIGHTSPHERE INVESTMENT GROUP INC	BSIG
BRIGHTSPIRE CAPITAL INC (A)	BRSP
BRIGHTVIEW HOLDINGS	BV
BRINKER INTERNATIONAL	EAT
BRINKS CO	BCO
BRISTOL MYERS SQUIBB	BMJ
BRISTOW GROUP INC	VTOL
BRIXMOR PROPERTY GROUP	BRX
BROADCOM	AVGO
BROADMARK REALTY CAPITAL INC (A)	BRMK
BROADRIDGE FINANCIAL SOLUTIONS	BR
BROADSTONE NET LEASE	BNL
BROOKDALE SENIOR LIVING	BKD

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Company	Ticker
BLUE FOUNDRY BANCORP	BLFY
BLUE OWL CAPITAL	OWL
BLUE RIDGE BANKSHARES	BRBS
BLUEBIRD BIO	BLUE
BROWN & BROWN	BRO
BROWN-FORMAN B	BF.B
BROWN-FORMAN CLASS A	BF.A
BRP GROUP	BRP
BRT APARTMENTS	BRT
BRUKER	BRKR
BRUNSWICK CORP	BC
BTRS HOLDINGS INC (A)	BTRS
BUCKLE INC	BKE
BUILD-A-BEAR WORKSHOP	BBW
BUILDERS FIRSTSOURCE INC.	BLDR
BUMBLE	BMBL
BUNGE	BG
BURLINGTON STORES	BURL
BUSINESS FIRST BANCSHARES	BFST
BUTTERFLY NETWORK INC (A)	BFLY
BWX TECHNOLOGIES	BWXT
BYLINE BANCORP	BY
C.H. ROBINSON WORLDWIDE	CHRW
C3 AI	AI
C4 THERAPEUTICS	CCCC
CABLE ONE	CABO
CABOT CORP	CBT
CACI INC CL A	CACI
CACTUS CLASS A	WHD
CADENCE BANK	CADE
CADENCE DESIGN SYSTEMS	CDNS
CADRE HOLDINGS	CDRE
CAESARS ENTERTAINMENT INC	CZR
CAESARSTONE LTD	CSTE
CALAVO GROWERS INC	CVGW
CALERES	CAL
CALIFORNIA RESOURCES	CRC
CALIFORNIA WATER SERVICE GROUP	CWT
CALIX NETWORKS	CALX
CALLAWAY GOLF	ELY
CALLON PETROLEUM	CPE
CAL-MAINE FOODS	CALM
CAMBIUM NETWORKS	CMBM
CAMBRIDGE BANCORP	CATC
CAMDEN NATIONAL	CAC
CAMDEN PROPERTY	CPT
CAMPBELL SOUP	CPB
CAMPING WORLD HOLDINGS	CWH

Company	Ticker
BROOKFIELD BUSINESS CORPORATION	BBUC
BROOKFIELD INFRASTRUCTURE	BIPC
BROOKFIELD RENEWABLE CORPORATION	BEPC
BROOKLINE BANCORP INC	BRKL
CAPITAL CITY BANK GP	CCBG
CAPITAL ONE FINANCIAL	COF
CAPITOL FEDERAL FINANCIAL	CFFN
CAPRI HOLDINGS LIMITED	CPRI
CAPSTAR FINANCIAL HOLDINGS	CSTR
CARA THERAPEUTICS	CARA
CARDINAL HEALTH	CAH
CARDIOVASCULAR SYSTEMS INC	CSII
CARDLYTICS	CDLX
CAREDX INC	CDNA
CAREMAX INC (A)	CMAX
CARETRUST REIT	CTRE
CARGURUS CLASS A	CARG
CARIBOU BIOSCIENCES	CRBU
CARLISLE COS INC	CSL
CARLYLE GROUP INC	CG
CARMAX INC	KMX
CARNIVAL CORP A	CCL
CARPARTS COM	PRTS
CARPENTER TECH	CRS
CARRIAGE SVCS	CSV
CARRIER GLOBAL	CARR
CARS.COM	CARS
CARTER BANKSHARES INC	CARE
CARTERS	CRI
CARVANA	CVNA
CASA SYSTEMS	CASA
CASELLA WASTE	CWST
CASEYS GENERAL STORES	CASY
CASS INFORMATION SYSTEMS	CASS
CASSAVA SCIENCES	SAVA
CASTLE BIOSCIENCES	CSTL
CATALENT	CTLT
CATALYST PHARMACEUTICALS	CPRX
CATCHMARK TIMBER TRUST	CTT
CATERPILLAR	CAT
CATHAY BANCORP	CATY
CATO CORP CL A	CATO
CAVCO INDUSTRIES	CVCO
CBIZ	CBZ
CBL & ASSOCIATES PROPERTIES	CBL
CBOE GLOBAL MARKETS	CBOE
CBRE GROUP	CBRE
CBTX	CBTX

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Company	Ticker
CANNAE HOLDINGS	CNNE
CANO HEALTH INC (A)	CANO
CANOO INC (A)	GOEV
CANTALOUPE INC	CTLP
CAPITAL BANCORP	CBNK
CELLDEX THERAPEUTICS	CLDX
CELSIUS HOLDINGS INC.	CELH
CELULARITY INC (A)	CELU
CENNTRO ELECTRIC GROUP	CENN
CENTENE CORP	CNC
CENTENNIAL RESOURCE DEVELOPMENT	CDEV
CENTERPOINT ENERGY	CNP
CENTERSPACE	CSR
CENTRAL GARDEN & PET CO A	CENTA
CENTRAL GARDEN & PET	CENT
CENTRAL PACIFIC FINANCIAL	CPF
CENTRUS ENERGY CORPORATION	LEU
CENTURY ALUMINIUM	CENX
CENTURY CASINO	CNTY
CENTURY COMMUNITIES	CCS
CENTURY THERAPEUTICS	IPSC
CEPTON INC (A)	CPTN
CERBERUS CYBER SENTINEL	CISO
CERENCE	CRNC
CEREVEL THERAPEUTICS HOLDINGS (A)	CERE
CERIDIAN HCM HOLDING	CDAY
CERTARA	CERT
CERUS CORP	CERS
CEVA	CEVA
CF INDUSTRIES HOLDINGS	CF
CHAMPIONX CORPORATION	CHX
CHANGE HEALTHCARE	CHNG
CHANNELADVISOR CORP	ECOM
CHARGE ENTERPRISES	CRGE
CHARGEPOINT HOLDINGS INC (A)	CHPT
CHARLES RIVER LABORATORIES	CRL
CHART INDUSTRIES INC.	GTLS
CHARTER COMMUNICATIONS INC. CL A	CHTR
CHASE CORP	CCF
CHATHAM LODGING TRUST	CLDT
CHEESECAKE FACTORY (THE)	CAKE
CHEFS WAREHOUSE HOLDINGS	CHEF
CHEGG	CHGG
CHEMED	CHE
CHEMOCENTRYX INC	CCXI
CHEMOURS COMPANY	CC
CHENIERE ENERGY	LNG
CHESAPEAKE ENERGY	CHK

Company	Ticker
CCC INTELLIGENT SOLUTIONS HOLDINGS INC (	CCCS
CDK GLOBAL	CDK
CDW	CDW
CEDAR REALTY TRUST	CDR
CELANESE	CE
CHIMERIX INC	CMRX
CHINOOK THERAPEUTICS INC	KDNY
CHIPOTLE MEXICAN GRILL	CMG
CHOICE HOTELS INTERNATIONAL	CHH
CHUBB LTD	CB
CHURCH & DWIGHT	CHD
CHURCHILL DOWNS	CHDN
CHUY'S HOLDINGS INC	CHUY
CIENA	CIEN
CIGNA CORP	CI
CIMPRESS PLC	CMPR
CINCINNATI FIN CP	CINF
CINCOR PHARMA	CINC
CINEMARK HOLDINGS INC.	CNK
CINTAS CORP	CTAS
CIPHER MINING INC	CIFR
CIRCOR INTL	CIR
CIRRUS LOGIC	CRUS
CISCO SYSTEMS	CSCO
CITI TRENDS	CTRN
CITIGROUP	C
CITIZENS & NORTHERN	CZNC
CITIZENS FINANCIAL GROUP	CFG
CITRIX SYSTEMS	CTXS
CITY HOLDING	CHCO
CITY OFFICE REIT	CIO
CIVISTA BANCSHARES	CIVB
CIVITAS RESOURCES INC	CIVI
CLARIVATE PLC (A)	CLVT
CLAROS MORTGAGE TRUST	CMTG
CLARUS CORPORATION	CLAR
CLEAN ENERGY FUELS	CLNE
CLEAN HARBORS	CLH
CLEANSARK	CLSK
CLEAR CHANNEL OUTDOOR HOLDINGS	CCO
CLEAR SECURE INC	YOU
CLEARFIELD INC.	CLFD
CLEARWATER PAPER	CLW
CLEARWAY ENERGY	CWEN.A
CLEARWAY ENERGY (C)	CWEN
CLEVELAND-CLIFFS	CLF
CLIPPER REALTY	CLPR
CLOROX	CLX

# Membership list

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Company	Ticker
CHESAPEAKE UTILITIES CORP	CPK
CHEVRON	CVX
CHICAGO ATLANTIC REAL ESTATE FINANCE	REFI
CHICOS FAS INC	CHS
CHILDRENS PLACE	PLCE
CHIMERA INVESTMENT	CIM
CNB FINANCIAL	CCNE
CNO FINANCIAL GROUP	CNO
CNX RESOURCES	CNX
COASTAL FINANCIAL	CCB
COCA-COLA	KO
COCA-COLA CONSOLIDATED	COKE
CODEXIS	CDXS
COEUR MINING INC	CDE
COGENT BIOSCIENCES INC	COGT
COGENT COMMUNICATIONS HOLDINGS	CCOI
COGNEX CORP	CGNX
COGNIZANT TECH SOLUTIONS	CTSH
COHEN & STEERS	CNS
COHERENT INC	COHR
COHERUS BIOSCIENCES	CHRS
COHU INC	COHU
COINBASE GLOBAL	COIN
COLGATE-PALMOLIVE	CL
COLLEGIUM PHARMACEUTICAL	COLL
COLONY BANKCORP	CBAN
COLUMBIA BANKING SYSTEM	COLB
COLUMBIA FINANCIAL	CLBK
COLUMBIA SPORTSWEAR CO	COLM
COLUMBUS MCKINNON	CMCO
COMCAST A	CMCSA
COMERICA	CMA
COMFORT SYSTEMS USA	FIX
COMMERCE BANCSHARES	CBSH
COMMERCIAL METALS	CMC
COMMSCOPE HOLDING COMPANY	COMM
COMMUNITY BANK SYS	CBU
COMMUNITY HEALTH SYSTEM	CYH
COMMUNITY HEALTHCARE TRUST	CHCT
COMMUNITY TST	CTBI
COMMVAULT SYSTEMS	CVLT
COMPASS	COMP
COMPASS DIVERSIFIED	CODI
COMPASS MINERALS INTERNATIONAL	CMP
COMPOSECURE INC (A)	CMPO
COMPUTER PROGRAMS & SYSTEMS	CPSI
COMPX INTERNATIONAL	CIX
COMSTOCK RSCS	CRK

Company	Ticker
CLOUDFLARE	NET
CLOVER HEALTH INVESTMENTS CORP (A)	CLOV
CMC MATERIALS INC	CCMP
CME GROUP	CME
CMS ENERGY CORP	CMS
CNA FINANCIAL CORP	CNA
CONNECTONE BANCORP	CNOB
CONN'S	CONN
CONOCOPHILLIPS	COP
CONS EDISON HOLDING	ED
CONSENSUS CLOUD SOLUTIONS	CCSI
CONSOL ENERGY	CEIX
CONSOLIDATED COMMUNICATIONS HOLDINGS	CNSL
CONSTELLATION BRANDS A	STZ
CONSTELLATION ENERGY	CEG
CONSTELLIUM SE	CSTM
CONSTRUCTION PARTNERS	ROAD
CONSUMER PORTFOLIO	CPSS
CONTEXTLOGIC INC	WISH
CONTINENTAL RESOURCES OK	CLR
CONVEY HEALTH SOLUTIONS HOLDINGS INC	CNVY
COOPER COS INC	COO
COPA HOLDINGS S.A. CL A	CPA
COPART INC	CPRT
CORCEPT THERAPEUTICS	CORT
CORE & MAIN	CNM
CORE SCIENTIFIC INC	CORZ
CORECIVIC	CXW
CORNERSTONE BUILDING BRANDS	CNR
CORNING	GLW
CORPORATE OFFICE PROPERTIES	OFC
CORSAIR GAMING	CRSR
CORTEVA	CTVA
CORVEL CORP	CRVL
COSTAMARE	CMRE
COSTAR GROUP	CSGP
COSTCO WHOLESALE CORP	COST
COTERRA ENERGY INC	CTRA
COTY	COTY
COUCHBASE	BASE
COUPA SOFTWARE	COUP
COURSERA	COUR
COUSINS PROPERTY	CUZ
COVENANT LOGISTICS GROUP INC	CVLG
COVETRUS	CVET
COWEN	COWN
CRA INTERNATIONAL	CRAI
CRACKER BARREL OLD COUNTRY STORE	CBRL



# Membership list

## Russell 3000® Index

Company	Ticker
COMTECH TELECOMMUNICATIONS	CMTL
CONAGRA BRANDS INC	CAG
CONCENTRIX	CNXC
CONCRETE PUMPING HOLDINGS (A)	BBCP
CONDUENT	CNDT
CONFLUENT	CFLT
CONMED CORP	CNMD
CROSS COUNTRY HEALTHCARE	CCRN
CROSSFIRST BANKSHARES	CFB
CROWDSTRIKE HOLDINGS	CRWD
CROWN CASTLE INTL CORP	CCI
CROWN HOLDINGS	CCK
CRYOPORT INC.	CYRX
CS DISCO	LAW
CSG SYSTEMS INTL	CSGS
CSW INDUSTRIALS	CSWI
CSX CORP	CSX
CTI BIOPHARMA	CTIC
CTO REALTY GROWTH INC	CTO
CTS	CTS
CUBESMART	CUBE
CUE HEALTH	HLTH
CULLEN FROST BANKERS	CFR
CULLINAN ONCOLOGY INC	CGEM
CUMMINS	CMI
CUMULUS MEDIA	CMLS
CURO GROUP HOLDINGS	CURO
CURTISS WRIGHT	CW
CUSHMAN & WAKEFIELD	CWK
CUSTOM TRUCK ONE SOURCE INC (A)	CTOS
CUSTOMERS BANCORP	CUBI
CUTERA	CUTR
CVB FINANCIAL	CVBF
CVENT HOLDING CORP (A)	CVT
CVR ENERGY	CVI
CVS HEALTH CORPORATION	CVS
CYBEROPTICS CP	CYBE
CYTEK BIOSCIENCES	CTKB
CYTOKINETICS	CYTK
CYXTERA TECHNOLOGIES INC (A)	CYXT
D.R. HORTON INC	DHI
DAILY JOURNAL	DJCO
DAKOTA GOLD CORP	DC
DANA	DAN
DANAHER CORP	DHR
DANIMER SCIENTIFIC INC (A)	DNMR
DARDEN RESTAURANTS	DRI
DARLING INGREDIENTS	DAR

Company	Ticker
CRANE HOLDINGS CO	CR
CRAWFORD CO A	CRD.A
CREDIT ACCEPTANCE CP	CACC
CREDO TECHNOLOGY GROUP HOLDING	CRDO
CRESCENT ENERGY COMPANY	CRGY
CRINETICS PHARMACEUTICALS	CRNX
CROCS	CROX
DEFINITIVE HEALTHCARE	DH
DELEK US HOLDINGS	DK
DELL TECHNOLOGIES	DELL
DELTA AIR LINES	DAL
DELUXE CORP	DLX
DENALI THERAPEUTICS	DNLI
DENBURY	DEN
DENNYS CORP	DENN
DENTSPLY SIRONA	XRAY
DESIGN THERAPEUTICS	DSGN
DESIGNER BRANDS	DBI
DESKTOP METAL INC (A)	DM
DESTINATION XL GROUP	DXLG
DEVON ENERGY	DVN
DEXCOM	DXCM
DHI GROUP	DHX
DHT HOLDINGS	DHT
DIAMOND HILL INVESTMENT GRP	DHIL
DIAMOND OFFSHORE DRILLING	DO
DIAMONDBACK ENERGY	FANG
DIAMONDROCK HOSPITALITY	DRH
DICE THERAPEUTICS INC	DICE
DICK'S SPORTING GOODS INC	DKS
DIEBOLD NIXDORF	DBD
DIGI INTERNATIONAL	DGII
DIGIMARC CORP.	DMRC
DIGITAL REALTY TRUST	DLR
DIGITAL TURBINE	APPS
DIGITALBRIDGE GROUP INC	DBRG
DIGITALOCEAN HOLDINGS	DOCN
DILLARD'S INC	DDS
DIME COMMUNITY BANCSHARES INC	DCOM
DINE BRANDS GLOBAL	DIN
DIODES INC	DIOD
DISCOVER FINANCIAL SERVICES	DFS
DISH NETWORK	DISH
DISNEY (WALT) COMPANY	DIS
DISTRIBUTION SOLUTIONS GROUP INC	DSGR
DIVERSEY HOLDINGS	DSEY
DIVERSIFIED HEALTHCARE TRUST	DHC
DMC GLOBAL	BOOM

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## Russell 3000® Index

Company	Ticker
DASEKE INC	DSKE
DATADOG	DDOG
DAVE & BUSTERS ENTERTAINMENT	PLAY
DAVITA	DVA
DAY ONE BIOPHARMACEUTICALS	DAWN
DECIPHERA PHARMACEUTICALS	DCPH
DECKERS OUTDOOR	DECK
DEERE & CO	DE
DOMO INCORPORATED	DOMO
DONALDSON CO INC	DCI
DONEGAL GROUP A	DGICA
DONNELLEY FINANCIAL SOLUTIONS	DFIN
DOORDASH	DASH
DORIAN LPG	LPG
DORMAN PRODUCTS	DORM
DOUBLEVERIFY HOLDINGS	DV
DOUGLAS DYNAMICS	PLOW
DOUGLAS ELLIMAN INC	DOUG
DOUGLAS EMMETT	DEI
DOVER CORP	DOV
DOW INC	DOW
DOXIMITY	DOCS
DRAFTKINGS INC (A)	DKNG
DREAM FINDERS HOMES	DFH
DRIL-QUIP	DRQ
DRIVEN BRANDS HOLDINGS	DRVN
DROPBOX	DBX
DT MIDSTREAM	DTM
DTE ENERGY	DTE
DUCK CREEK TECHNOLOGIES	DCT
DUCKHORN PORTFOLIO	NAPA
DUCOMMUN INC	DCO
DUKE ENERGY CORP	DUK
DUKE REALTY CORP	DRE
DULUTH HOLDINGS	DLTH
DUN AND BRADSTREET HOLDINGS	DNB
DUOLINGO	DUOL
DUPONT DE NEMOURS	DD
DXC TECHNOLOGY COMPANY	DXC
DXP ENTERPRISES	DXPE
DYCOM INDS INC	DY
DYNATRACE	DT
DYNAVAX TECHNOLOGIES	DVAX
DYNE THERAPEUTICS	DYN
DYNEX CAPITAL	DX
DZS INC	DZSI
E.L.F BEAUTY	ELF
E2OPEN PARENT HOLDINGS INC (A)	ETWO

Company	Ticker
DOCGO INC	DCGO
DOCUSIGN	DOCU
DOLBY LABS A	DLB
DOLLAR GENERAL	DG
DOLLAR TREE	DLTR
DOMA HOLDINGS INC (A)	DOMA
DOMINION ENERGY	D
DOMINOS PIZZA	DPZ
EASTMAN CHEMICAL	EMN
EASTMAN KODAK CO	KODK
EATON CORP PLC	ETN
EBAY	EBAY
EBIX INC	EBIX
ECHOSTAR	SATS
ECOLAB	ECL
ECOVYST INC	ECVT
EDGEWELL PERSONAL CARE	EPC
EDGEWISE THERAPEUTICS	EWTX
EDGIO INC	EGIO
EDISON INTERNATIONAL	EIX
EDITAS MEDICINE	EDIT
EDWARDS LIFESCIENCES	EW
EGAIN	EGAN
EHEALTH	EHTH
EIGER BIOPHARMACEUTICALS	EIGR
EL POLLO LOCO HOLDINGS	LOCO
ELANCO ANIMAL HEALTH	ELAN
ELASTIC N.V.	ESTC
ELECTRONIC ARTS	EA
ELEMENT SOLUTIONS	ESI
ELLINGTON FINANCIAL INC	EFC
EMBECTA	EMBC
EMCOR GROUP	EME
EMERGENT BIOSOLUTIONS	EBS
EMERSON ELECTRIC	EMR
EMPIRE PETROLEUM CORP.	EP
EMPIRE STATE REALTY TRUST	ESRT
EMPLOYERS HOLDINGS	EIG
ENACT HOLDINGS	ACT
ENANTA PHARMACEUTICALS INC	ENTA
ENCOMPASS HEALTH	EHC
ENCORE CAPITAL GROUP	ECPG
ENCORE WIRE	WIRE
ENDO INTERNATIONAL PLC	ENDP
ENERGIZER HOLDINGS	ENR
ENERGY FUELS INC	UUUU
ENERGY RECOVERY INC.	ERII
ENERGY VAULT HOLDINGS INC (A)	NRGV

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Company	Ticker
EAGLE BANCORP	EGBN
EAGLE BULK SHIPPING	EGLE
EAGLE MATERIALS	EXP
EAGLE PHARMACEUTICALS	EGRX
EARTHSTONE ENERGY	ESTE
EAST WEST BANCORP	EWBC
EASTERLY GOVERNMENT PROPERTIES	DEA
EASTERN BANKSHARES	EBC
EASTGROUP PROPERTIES	EGP
ENOVIX CORP	ENVX
ENPHASE ENERGY INC	ENPH
ENPRO INDUSTRIES INC	NPO
ENSIGN GROUP	ENSG
ENSTAR GROUP	ESGR
ENTEGRIS INC	ENTG
ENERGY CORP	ETR
ENTERPRISE BANCORP	EBTC
ENTERPRISE FINANCIAL SERVICES	EFSC
ENTRAVISION COMMS	EVC
ENVESTNET	ENV
ENVISTA HOLDINGS	NVST
ENVIVA INC	EVA
EOG RESOURCES	EOG
EPAM SYSTEMS	EPAM
EPLUS INC	PLUS
EPR PROPERTIES	EPR
EQRX INC (A)	EQRX
EQT CORPORATION	EQT
EQUIFAX	EFX
EQUINIX INC	EQIX
EQUITABLE HOLDINGS	EQH
EQUITRANS MIDSTREAM	ETRN
EQUITY BANCSHARES	EQBK
EQUITY COMMONWEALTH	EQC
EQUITY LIFESTYLE PROPERTIES	ELS
EQUITY RESIDENTIAL	EQR
ERASCA	ERAS
ERIE INDEMNITY	ERIE
ERMENEGILDO ZENGA N V (A)	ZGN
ESAB CORPORATION	ESAB
ESCO TECHNOLOGIES	ESE
ESPERION THERAPEUTICS INC	ESPR
ESQUIRE FINANCIAL HOLDINGS	ESQ
ESS TECH INC (A)	GWH
ESSENT GROUP	ESNT
ESSENTIAL PROPERTIES REALTY TRUST	EPRT
ESSENTIAL UTILITIES INC	WTRG
ESSEX PROP TRUST	ESS

Company	Ticker
ENERPAC TOOL GROUP CORP	EPAC
ENERSYS	ENS
ENETI INC	NETI
ENFUSION	ENFN
ENGAGESMART	ESMT
ENNIS	EBF
ENOCHIAN BIOSCIENCES	ENOB
ENOVA INTERNATIONAL	ENVA
ENOVIS CORPORATION	ENOV
EVERI HOLDINGS	EVRI
EVERQUOTE	EVER
EVERSOURCE ENERGY	ES
EVERTEC	EVTC
EVGO INC (A)	EVGO
EVO PAYMENTS	EVOP
EVOLENT HEALTH	EVH
EVOLUS	EOLS
EVOLV TECHNOLOGIES HOLDINGS INC (A)	EVLV
EVOQUA WATER TECHNOLOGIES	AQUA
EXACT SCIENCES	EXAS
EXCELERATE ENERGY	EE
EXELIXIS INC	EXEL
EXELON CORPORATION	EXC
EXLSERVICE HOLDINGS	EXLS
EXP WORLD HOLDINGS	EXPI
EXPEDIA GROUP	EXPE
EXPEDITORS INTL WASHINGTON	EXPD
EXPONENT INC	EXPO
EXPRESS	EXPR
EXPRO GROUP HOLDINGS NV	XPRO
EXTRA SPACE STORAGE	EXR
EXTREME NETWORKS	EXTR
EXXON MOBIL CORPORATION	XOM
EYEPOINT PHARMACEUTICALS	EYPT
EZCORP INC A	EZPW
F.N.B. CORPORATION	FNB
F45 TRAINING HOLDINGS	FXLV
F5 INC	FFIV
FABRINET	FN
FACTSET RESEARCH SYSTEMS	FDS
FAIR ISAAC	FICO
FARADAY FUTURE INTELLIGENT ELECTRIC INC	FFIE
FARMERS & MERCHANTS BANCORP INC.	FMAO
FARMERS NATIONAL BANC CORP.	FMNB
FARMLAND PARTNERS REIT	FPI
FARO TECHNOLOGY	FARO
FASTENAL CO	FAST
FASTLY	FSLY

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Company	Ticker
ETHAN ALLEN INTERIORS	ETD
ETSY	ETSY
EURONET WORLDWIDE	EEFT
EUROPEAN WAX CENTER	EW CZ
EVENTBRITE	EB
EVERBRIDGE	EV BG
EVERCOMMERCE	EV CM
EVERCORE	EV R
EVEREST RE GROUP	RE
EVERGY	EV RG
FIFTH THIRD BANCORP	FITB
FIGS INC	FIGS
FINANCE OF AMERICA COMPANIES INC	FOA
FINANCIAL INSTITUTIONS	FISI
FIRST ADVANTAGE CORPORATION NEW	FA
FIRST AMERICAN FINANCIAL	FAF
FIRST BANCORP	FBNC
FIRST BANCORP PUERTO RICO	FBP
FIRST BANCSHARES INC.	FBMS
FIRST BANK	FRBA
FIRST BUSEY	BUSE
FIRST BUSINESS FINANCIAL SERVICES	FBIZ
FIRST CITIZENS BANCSH A	FCNCA
FIRST COMMONWEALTH FIN	FCF
FIRST COMMUNITY BANCSHARES	FCBC
FIRST FINANCIAL BANCORP	FFBC
FIRST FINL BANKSHARES	FFIN
FIRST FINL CORP	THFF
FIRST FOUNDATION	FFWM
FIRST GUARANTY BANCSHARES	FGBI
FIRST HAWAIIAN	FHB
FIRST HORIZON CORPORATION	FHN
FIRST INDUSTRIAL REALTY TRUST	FR
FIRST INTERNET BANCORP	INBK
FIRST INTERSTATE BANCSYSTEM	FIBK
FIRST LONG ISLAND	FLIC
FIRST MERCHANTS	FRME
FIRST MID BANCSHARES	FMBH
FIRST REPUBLIC BANK SAN FRANCISCO	FRC
FIRST SOLAR INC	FSLR
FIRST WATCH RESTAURANT GROUP	FWRG
FIRST WESTERN FINANCIAL	MYFW
FIRSTCASH HOLDINGS INC	FCFS
FIRSTENERGY CORP.	FE
FISERV INC	FISV
FISKER INC (A)	FSR
FIVE BELOW	FIVE
FIVE STAR BANCORP	FSBC

Company	Ticker
FATE THERAPEUTICS INC	FATE
FATHOM DIGITAL MANUFACTURING CORP (A)	FATH
FB FINANCIAL	FBK
FED AGRICUL MTG	AGM
FEDERAL REALTY INVS	FRT
FEDERAL SIGNAL	FSS
FEDERATED HERMES INC	FHI
FEDEX CORPORATION	FDX
FIBROGEN	FGEN
FIDELITY NATL INFORMATION SERVICES	FIS
FMC CORP	FMC
FNF GROUP	FNF
FOCUS FINANCIAL PARTNERS	FOCS
FOCUS UNIVERSAL	FCUV
FOGHORN THERAPEUTICS	FHTX
FOOT LOCKER INC	FL
FORD MOTOR COMPANY	F
FORESTAR GROUP	FOR
FORMA THERAPEUTICS HOLDINGS	FMTX
FORMFACTOR	FORM
FORRESTER RESEARCH	FORR
FORTINET	FTNT
FORTIVE	FTV
FORTUNE BRANDS HOME & SECURITY	FBHS
FORWARD AIR CORP	FWRD
FOSSIL GROUP	FOSL
FOUR CORNERS PROPERTY TRUST	FCPT
FOX CORPORATION CLASS A	FOXA
FOX CORPORATION CLASS B	FOX
FOX FACTORY HOLDING	FOXF
FRANCHISE GROUP	FRG
FRANKLIN BSP REALTY TRUST INC	FBRT
FRANKLIN COVEY	FC
FRANKLIN ELEC	FELE
FRANKLIN RESOURCES	BEN
FRANKLIN STREET PROPERTIES	FSP
FREEPORT-MCMORAN	FCX
FRESH DEL MONTE	FDP
FRESHPET	FRPT
FRONTDOOR	FTDR
FRONTIER COMMUNICATIONS PARENT INC	FYBR
FRONTIER GROUP HOLDINGS	ULCC
FRONTLINE	FRO
FRP HOLDINGS	FRPH
FTC SOLAR	FTCI
FTI CONSULTING	FCN
FUBOTV	FUBO
FUELCELL ENERGY	FCEL

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Company	Ticker
FIVE9	FIVN
FLAGSTAR BANCORP	FBC
FLEETCOR TECHNOLOGIES	FLT
FLEX LNG LIMITED	FLNG
FLOOR & DECOR HOLDINGS	FND
FLOWERS FOODS INC	FLO
FLOWSERVE CP	FLS
FLUENCE ENERGY	FLNC
FLUOR CORPORATION	FLR
FLUSHING FINANCIAL	FFIC
FLYWIRE	FLYW
GAMESTOP CORP	GME
GAMING & LEISURE PROPERTIES	GLPI
GANNETT CO INC	GCI
GAP	GPS
GARMIN LTD	GRMN
GARTNER	IT
GATES INDUSTRIAL	GTES
GATX CORP	GATX
GCM GROSVENOR INC (A)	GCMG
GCP APPLIED TECHNOLOGIES	GCP
GELESIS HOLDING INC (A)	GLS
GENCO SHIPPING & TRADING LTD.	GNK
GENERAC HOLDINGS	GNRC
GENERAL DYNAMICS CORP	GD
GENERAL ELECTRIC	GE
GENERAL MILLS	GIS
GENERAL MOTORS	GM
GENERATION BIO	GBIO
GENESCO INC	GCO
GENPACT	G
GENTEX CORP	GNTX
GENTHERM	THRM
GENUINE PARTS	GPC
GENWORTH FINANCIAL CLASS A	GNW
GEO GROUP	GEO
GERMAN AMERICAN BANCORP	GABC
GERON CORP	GERN
GETTY REALTY	GTY
GEVO	GEVO
GIBRALTAR INDUSTRIES	ROCK
GILEAD SCIENCES	GILD
GINKGO BIOWORKS HOLDINGS INC (A)	DNA
GLACIER BANCORP	GBCI
GLADSTONE COMMERCIAL	GOOD
GLADSTONE LAND	LAND
GLATFELTER CORPORATION	GLT
GLAUKOS	GKOS

Company	Ticker
FULCRUM THERAPEUTICS	FULC
FULGENT GENETICS	FLGT
FULL HOUSE RESORTS INC.	FLL
FULLER H B CO	FUL
FULTON FINANCIAL CORP	FULT
FUNKO CLASS A	FNKO
FUTUREFUEL CORP.	FF
FVCBANKCORP	FVCB
GAMBLING.COM GROUP	GAMB
GAMCO INVESTORS	GBL
G-III APPAREL	GIII
GOGO INC.	GOGO
GOLAR LNG LTD.	GLNG
GOLDEN ENTERTAINMENT	GDEN
GOLDEN OCEAN GROUP LIMITED	GOGL
GOLDMAN SACHS GROUP	GS
GOODYEAR TIRE & RUBBER	GT
GOOSEHEAD INSURANCE	GSHD
GOPRO	GPRO
GORMAN-RUPP CO	GRC
GOSSAMER BIO	GOSS
GRACO INC	GGG
GRAFTECH INTERNATIONAL	EAF
GRAHAM HOLDINGS	GHC
GRAINGER (W W)	GWW
GRAND CANYON EDUCATION INC.	LOPE
GRANITE CONSTRUCTION	GVA
GRANITE POINT MORTGAGE TRUST	GPMT
GRAPHIC PACKAGING HOLDING	GPK
GRAY TELEVISION INC	GTN
GREAT LAKES DREDGE & DOCK	GLDD
GREAT SOUTHERN BANCORP	GSBC
GREEN BRICK PARTNERS	GRBK
GREEN DOT	GDOT
GREEN PLAINS	GPRE
GREENBRIER CO	GBX
GREENE COUNTY	GCBC
GREENIDGE GENERATION HOLDINGS INC	GREE
GREENLIGHT BIOSCIENCES HOLDINGS (A)	GRNA
GREENLIGHT CAPITAL RE LTD	GLRE
GREIF INC A	GEF
GREIF INC B	GEF.B
GRID DYNAMICS HOLDINGS INC (A)	GDYN
GRIFFON	GFF
GROCERY OUTLET HOLDING	GO
GROUP 1 AUTO	GPI
GROUPON	GRPN
GROWGENERATION	GRWG

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Company	Ticker
GLOBAL BLOOD THERAPEUTICS	GBT
GLOBAL INDUSTRIAL COMPANY	GIC
GLOBAL MEDICAL REIT	GMRE
GLOBAL NET LEASE	GNL
GLOBAL PAYMENTS INC	GPN
GLOBAL WATER RESOURCES	GWRS
GLOBALFOUNDRIES	GFS
GLOBALSTAR	GSAT
GLOBANT SA	GLOB
GLOBE LIFE	GL
GLOBUS MEDICAL	GMED
GODADDY	GDDY
HALOZYME THERAPEUTICS	HALO
HAMILTON LANE CLASS A	HLNE
HANCOCK WHITNEY	HWC
HANESBRANDS	HBI
HANGER	HNGR
HANMI FINANCIAL	HAFC
HANNON ARMSTRONG SUSTAINABLE INFRASTRUCT	HASI
HANOVER INSURANCE GP	THG
HARBORONE BANC RP	HONE
HARLEY-DAVIDSON	HOG
HARMONIC INC	HLIT
HARMONY BIOSCIENCES HOLDINGS	HRMY
HARSCO CORP	HSC
HARTFORD FINANCIAL SERVICES GROUP	HIG
HASBRO	HAS
HAVERTY FURNITURE	HVT
HAWAIIAN ELECTRIC	HE
HAWAIIAN HOLDINGS	HA
HAWKINS	HWKN
HAYNES INTERNATIONAL INC.	HAYN
HAYWARD HOLDINGS	HAYW
HBT FINANCIAL	HBT
HCA HEALTHCARE	HCA
HCI GROUP	HCI
HEALTH CATALYST	HCAT
HEALTHCARE REALTY TRUST	HR
HEALTHCARE SERVICES	HCSG
HEALTHCARE TRUST OF AMERICA INC	HTA
HEALTH EQUITY	HQY
HEALTHPEAK PROPERTIES INC	PEAK
HEALTHSTREAM	HSTM
HEARTLAND EXPRESS	HTLD
HEARTLAND FINANCIAL	HTLF
HECLA MINING CO	HL
HEICO CL A	HEI.A
HEICO CORP	HEI

Company	Ticker
GTY TECHNOLOGY HOLDINGS	GTYH
GUARANTY BANC	GNTY
GUARDANT HEALTH	GH
GUESS INC	GES
GUIDEWIRE SOFTWARE	GWRE
GULFPORT ENERGY CORP	GPOR
GXO LOGISTICS	GXO
GYPSUM MANAGEMENT AND SUPPLY	GMS
H&E EQUIPMENT SERVICES	HEES
HAEMONETICS	HAE
HAIR CELESTIAL	HAIN
HALLIBURTON	HAL
HERON THERAPEUTICS	HRTX
HERSHA HOSPITALITY TRUST	HT
HERSHEY COMPANY	HSY
HERTZ GLOBAL HOLDINGS	HTZ
HESKA CORP	HSKA
HESS CORP.	HES
HEWLETT PACKARD ENTERPRISE	HPE
HEXCEL	HXL
HF FOODS GROUP INC	HFFG
HF SINCLAIR CORPORATION	DINO
HIBBETT INC	HIBB
HIGHPEAK ENERGY INC (A)	HPK
HIGHWOODS PROP	HIW
HILLENBRAND	HI
HILLEVAX	HLVX
HILLMAN SOLUTIONS CORP (A)	HLMN
HILLTOP HOLDINGS	HTH
HILTON GRAND VACATIONS	HGV
HILTON WORLDWIDE	HLT
HIMS AND HERS HEALTH INC (A)	HIMS
HINGHAM INST	HIFS
HIPPO HOLDINGS INC (A)	HIPO
HIRERIGHT HOLDINGS	HRT
HNI CORPORATION	HNI
HOLLEY INC (A)	HLLY
HOLOGIC INC	HOLX
HOME BANCORP INC	HBCP
HOME BANCSHARES	HOMB
HOME DEPOT	HD
HOME POINT CAPITAL	HMPT
HOMESTREET	HMST
HOMETRUST BANCSHARES INC	HTBI
HONEST COMPANY	HNST
HONEYWELL INTERNATIONAL INCORPORATION	HON
HOPE BANCORP	HOPE
HORACE MANN EDUCATORS	HMN

# Membership list

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Company	Ticker
HEIDRICK & STRUGGLES	HSII
HELEN OF TROY LTD	HELE
HELIOGEN INC (A)	HLGN
HELIOS TECHNOLOGIES	HLIO
HELIX ENERGY SOLUTIONS GROUP	HLX
HELMERICH & PAYNE	HP
HENRY (JACK) & ASSOCIATES	JKHY
HENRY SCHEIN	HSIC
HERBALIFE NUTRITION	HLF
HERC HOLDING	HRI
HERITAGE COMMERCE	HTBK
HERITAGE CRYSTAL CLEAN	HCCI
HERITAGE FINL	HFWA
HUDSON PACIFIC PROPERTIES	HPP
HUDSON TECH INC	HDSN
HUMACYTE INC (A)	HUMA
HUMANA	HUM
HUNT (JB) TRANSPORT SERVICES	JBHT
HUNTINGTON BANCSHARES	HBAN
HUNTINGTON INGALLS INDUSTRIES	HII
HUNTSMAN	HUN
HURON CONSULTING GROUP	HURN
HYATT HOTELS	H
HYCROFT MINING HOLDING CORP (A)	HYMC
HYDROFARM HOLDINGS	HYFM
HYLIION HOLDINGS CORP (A)	HYLN
HYSTER-YALE MATERIALS HANDLING CL A	HY
HYZON MOTORS INC (A)	HYZN
I3 VERTICALS	IIIV
IAA	IAA
IAC INTERACTIVECORP	IAC
IBEX	IBEX
ICF INTERNATIONAL	ICFI
ICHOR HOLDINGS	ICHR
ICOSAVAX	ICVX
ICU MEDICAL	ICUI
IDACORP INC	IDA
IDEAYA BIOSCIENCES	IDYA
IDEX CORP	IEX
IDEXX LABS	IDXX
IDT CORP. CL B	IDT
IES HOLDINGS	IESC
IGM BIOSCIENCES	IGMS
IHEARTMEDIA	IHRT
II-VI INC	IIVI
ILLINOIS TOOL WKS	ITW
ILLUMINA INC	ILMN
IMAGO BIOSCIENCES	IMGO

Company	Ticker
HORIZON BANCORP INC	HBNC
HORIZON THERAPEUTICS PUBLIC LIMITED COMP	HZNP
HORMEL FOODS	HRL
HOST HOTELS & RESORTS	HST
HOSTESS BRANDS	TWNK
HOULIHAN LOKEY	HLI
HOVNANIAN ENTERP	HOV
HOWARD HUGHES	HHC
HOWMET AEROSPACE INC	HWM
HP	HPQ
HUB GROUP A	HUBG
HUBBELL	HUBB
HUBSPOT	HUBS
INDUSTRIAL LOGISTICS PROPERTIES TRUST	ILPT
INFINERA	INFN
INFORMATICA	INFA
INFORMATION SERVICES GROUP INC.	III
INFRASTRUCTURE AND ENERGY ALTERNATIVES	IEA
INGERSOLL-RAND INC	IR
INGEVITY	NGVT
INGLES MARKETS CL A	IMKTA
INGREDION	INGR
INHIBRX	INBX
INNOSPEC	IOSP
INNOVAGE HOLDING	INNV
INNOVATIVE INDUSTRIAL PROPERTIES	IIPR
INNOVID CORP (A)	CTV
INNOVIVA	INVA
INOGEN INC	INGN
INOTIV INC	NOTV
INOVIO PHARMACEUTICALS INC	INO
INSEGO CORP	INSG
INSIGHT ENTERPRISES	NSIT
INSMED INC	INSM
INSPERITY	NSP
INSPIRATO INCORPORATED (A)	ISPO
INSPIRE MEDICAL SYSTEMS	INSP
INSPIRED ENTERTAINMENT	INSE
INSTALLED BUILDING PRODUCTS	IBP
INSTEEL INDS	IIIN
INSTIL BIO	TIL
INSTRUCTURE HOLDINGS	INST
INSULET CORP.	PODD
INTAPP	INTA
INTEGER HOLDINGS	ITGR
INTEGRA LIFESCIENCES HOLDING	IART
INTEGRAL AD SCIENCE HOLDING	IAS
INTEL CORP	INTC

# Membership list

## Russell 3000® Index

Company	Ticker
IMAX CORP	IMAX
IMMUNITYBIO INC	IBRX
IMMUNOGEN INC	IMGN
IMMUNOVANT	IMVT
IMPINJ INC	PI
INARI MEDICAL	NARI
INCYTE	INCY
IDENTIV	INVE
INDEPENDENCE REALTY TRUST	IRT
INDEPENDENT BANK CORP. MICHIGAN	IBCP
INDEPENDENT BANK GROUP INC	IBTX
INDEPENDENT BANK MASS	INDB
INDIE SEMICONDUCTOR INC (A)	INDI
INDUS REALTY TRUST INC	INDT
INTL FLAVOURS & FRAGRANCES	IFF
INTRA-CELLULAR THERAPIES	ITCI
INTREPID POTASH	IPI
INTUIT	INTU
INTUITIVE SURGICAL	ISRG
INVENTRUST PROPERTIES	IVT
INVESCO LIMITED	IVZ
INVESCO MORTGAGE CAPITAL	IVR
INVESTORS TITL	ITIC
INVITAE CORP	NVTA
INVITATION HOMES	INVH
IONIS PHARMACEUTICALS	IONS
IONQ INC (A)	IONQ
IOVANCE BIOTHERAPEUTICS	IOVA
IPG PHOTONICS	IPGP
IQVIA HOLDINGS	IQV
IRADIMED CORP	IRMD
IRHYTHM TECHNOLOGIES	IRTC
IRIDIUM COMMUNICATIONS INC	IRDM
IROBOT	IRBT
IRON MOUNTAIN	IRM
IRONNET INC (A)	IRNT
IRONWOOD PHARMACEUTICALS	IRWD
ISTAR INC.	STAR
ITEOS THERAPEUTICS	ITOS
ITRON INC	ITRI
ITT INC.	ITT
IVERIC BIO	ISEE
J & J SNACK FOODS	JJSF
J M SMUCKER	SJM
JABIL	JBL
JACK IN THE BOX	JACK
JACKSON FINANCIAL	JXN
JACOBS ENGINEERING GROUP	J

Company	Ticker
INTELLIA THERAPEUTICS	NTLA
INTER PARFUMS	IPAR
INTERACTIVE BROKERS GROUP	IBKR
INTERCEPT PHARMACEUTICALS INC	ICPT
INTERCONTINENTAL EXCHANGE	ICE
INTERDIGITAL	IDCC
INTERFACE	TILE
INTERNATIONAL BUS MACHNS.	IBM
INTERNATIONAL GAME TECHNOLOGY PLC	IGT
INTERNATIONAL MONEY EXPRESS INC	IMXI
INTERNATIONAL PAPER	IP
INTERNATIONAL SEAWAYS	INSW
INTERPUBLIC GROUP COS	IPG
INTL BANCSHARES	IBOC
JOHNSON CONTROLS INTERNATIONAL PLC	JCI
JOHNSON OUTDOOR	JOUT
JOINT CORP	JYNT
JONES LANG LASALLE	JLL
JOUNCE THERAPEUTICS	JNCE
JPMORGAN CHASE & CO	JPM
JUNIPER NETWORKS	JNPR
KADANT INC	KAI
KAISER ALUMINUM	KALU
KALEYRA	KLR
KALVISTA PHARMACEUTICALS	KALV
KAMAN	KAMN
KAR AUCTION SERVICES	KAR
KARAT PACKAGING	KRT
KARUNA THERAPEUTICS	KRTX
KARYOPHARM THERAPEUTICS	KPTI
KB HOME	KBH
KBR	KBR
KEARNY FINANCIAL	KRNY
KELLOGG	K
KELLY SERVICES A	KELYA
KEMPER CORP	KMPR
KENAMETAL INC	KMT
KENNEDY-WILSON HOLDINGS INC	KW
KEROS THERAPEUTICS	KROS
KEURIG DR PEPPER	KDP
KEYCORP	KEY
KEYSIGHT TECHNOLOGIES	KEYS
KEZAR LIFE SCIENCES	KZR
KFORCE	KFRC
KILROY REALTY	KRC
KIMBALL ELECTRONICS	KE
KIMBALL INTL B	KBAL
KIMBERLY-CLARK	KMB



# Membership list

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Company	Ticker
JAMES RIVER GROUP HOLDINGS	JRVR
JAMF HOLDING	JAMF
JANUS HENDERSON GROUP	JHG
JANUS INTERNATIONAL GROUP (A)	JBI
JANUX THERAPEUTICS INC	JANX
JAZZ PHARMACEUTICALS	JAZZ
JBG SMITH PROPERTIES	JBGS
JEFFERIES FINANCIAL GROUP	JEF
JELD-WEN HOLDING	JELD
JETBLUE AIRWAYS CORP	JBLU
JOANN	JOAN
JOBY AVIATION INC	JOBY
JOHN BEAN TECHNOLOGIES	JBT
JOHN MARSHALL BANCORP INC	JMSB
JOHNSON & JOHNSON	JNJ
KOHL'S CORP	KSS
KONTOOR BRANDS	KTB
KOPPERS HOLDINGS	KOP
KORE GROUP HOLDINGS INC (A)	KORE
KORN FERRY	KFY
KOSMOS ENERGY	KOS
KRAFT HEINZ	KHC
KRATOS DEFENSE & SECURITY SOLUTIONS	KTOS
KRISPY KREME	DNUT
KROGER	KR
KRONOS BIO	KRON
KRONOS WORLDWIDE	KRO
KRYSTAL BIOTECH	KRYS
KULICKE SOFFA	KLIC
KURA ONCOLOGY	KURA
KURA SUSHI USA	KRUS
KYMERA THERAPEUTICS	KYMR
KYNDRYL HOLDINGS	KD
L3HARRIS TECHNOLOGIES	LHX
LABORATORY CORP OF AMERICA	LH
LADDER CAPITAL	LADR
LAKELAND BANCORP INC	LBAI
LAKELAND FINANCIAL	LKFN
LAM RESEARCH	LRCX
LAMAR ADVERTISING	LAMR
LAMB WESTON HOLDINGS	LW
LANCASTER COLONY	LANC
LANDEC CORP	LNDC
LANDS END	LE
LANDSEA HOMES CORP (A)	LSEA
LANDSTAR SYS	LSTR
LANTHEUS HOLDINGS	LNTH
LAREDO PETROLEUM	LPI

Company	Ticker
KIMCO REALTY CP	KIM
KINDER MORGAN	KMI
KINETIK HOLDINGS INC (A)	KNTK
KINIKSA PHARMACEUTICALS	KNSA
KINNATE BIOPHARMA	KNTE
KINSALE CAPITAL GROUP	KNSL
KIRBY CORP	KEX
KITE REALTY GROUP TRUST	KRG
KKR & CO INC	KKR
KKR REAL ESTATE FINANCE TRUST	KREF
KLA CORPORATION	KLAC
KNIGHT-SWIFT TRANSPORTATION HOLDINGS	KNX
KNOWBE4	KNBE
KNOWLES CORP.	KN
KODIAK SCIENCES	KOD
LEMONADE	LMND
LENDINGCLUB	LC
LENDINGTREE	TREE
LENNAR CLASS A	LEN
LENNAR CORP. CL B	LEN.B
LENNOX INTL INC	LII
LESLIES	LESL
LEXICON PHARMACEUTICALS INC	LXRX
LGI HOMES	LGIH
LHC GROUP	LHCG
LI CYCLE HOLDINGS CORP (A)	LICY
LIBERTY BRAVES SERIES A	BATRA
LIBERTY BRAVES SERIES C	BATRK
LIBERTY BROADBAND SERIES A	LBRDA
LIBERTY BROADBAND SERIES C	LBRDK
LIBERTY ENERGY INC (A)	LBRT
LIBERTY FORMULA ONE SERIES A	FWONA
LIBERTY FORMULA ONE SERIES C	FWONK
LIBERTY LATIN AMERICA A	LILA
LIBERTY LATIN AMERICA C	LILAK
LIBERTY SIRIUSXM SERIES A	LSXMA
LIBERTY SIRIUSXM SERIES C	LSXMK
LIFE STORAGE	LSI
LIFE TIME GROUP HOLDINGS	LTH
LIFESTANCE HEALTH GROUP	LFST
LIFETIME BRANDS	LCUT
LIGAND PHARM B	LGND
LIGHT & WONDER INC	LNW
LIGHTNING EMOTORS INC	ZEV
LIGHTWAVE LOGIC	LWLG
LILLY (ELI) & CO	LLY
LINCOLN ELECTRIC HOLDINGS	LECO
LINCOLN NATIONAL CORP	LNC

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Company	Ticker
LAS VEGAS SANDS	LVS
LATCH INC (A)	LTCH
LATHAM GROUP	SWIM
LATTICE SEMICONDUCTOR	LSCC
LAUDER (ESTEE)	EL
LAUREATE EDUCATION	LAUR
LAZARD CLASS A	LAZ
LA-Z-BOY INC	LZB
LCI INDUSTRIES	LCII
LEAFLY HOLDINGS INC	LFLY
LEAR CORP	LEA
LEGACY HOUSING CORP	LEGH
LEGALZOOM.COM INC	LZ
LEGGETT & PLATT	LEG
LEIDOS HOLDINGS	LDOS
LEMAITRE VASCULAR	LMAT
LKQ	LKQ
LL FLOORING HOLDINGS INC	LL
LOCAL BOUNTY CORPORATION (A)	LOCL
LOCKHEED MARTIN CORP	LMT
LOEW'S	L
LORDSTOWN MOTORS CORP (A)	RIDE
LOUISIANA-PACIFIC	LPX
LOVESAC	LOVE
LOWES COS INC	LOW
LOYALTY VENTURES	LYLT
LPL FINANCIAL HOLDINGS	LPLA
LSB INDUSTRIES	LXU
LTC PROPERTIES	LTC
LUCID GROUP INC (A)	LCID
LULULEMON ATHLETICA INC.	LULU
LULUS FASHION LOUNGE HOLDINGS	LVLU
LUMEN TECHNOLOGIES INC	LUMN
LUMENTUM HOLDINGS	LITE
LUMINAR TECHNOLOGIES INC (A)	LAZR
LUTHER BURBANK	LBC
LUXFER HOLDINGS	LXFR
LXP INDUSTRIAL TRUST	LXP
LYELL IMMUNOPHARMA	LYEL
LYFT	LYFT
LYONDELLBASELL INDUSTRIES CL A	LYB
M&T BANK	MTB
M/I HOMES	MHO
MACATAWA BANK	MCBC
MACERICH	MAC
MACOM TECHNOLOGY SOLUTIONS HOLDINGS	MTSI
MACROGENICS	MGNX
MACYS	M

Company	Ticker
LINDBLAD EXPEDITIONS HOLDINGS	LIND
LINDE PLC	LIN
LINDSAY CORPORATION	LNN
LIONS GATE ENTERTAINMENT CLASS A	LGF.A
LIONS GATE ENTERTAINMENT CLASS B	LGF.B
LIQUIDIA CORPORATION	LQDA
LIQUIDITY SERVICES	LQDT
LITHIA MOTORS	LAD
LITTELFUSE	LFUS
LIVANOVA	LIVN
LIVE NATION ENTERTAINMENT	LYV
LIVE OAK BANCSHARES	LOB
LIVENT	LTHM
LIVEPERSON INC	LPSN
LIVERAMP HOLDINGS	RAMP
LIVEVOX HOLDINGS INC (A)	LVOX
MARCUS & MILLICHAP	MMI
MARCUS CORPORATION	MCS
MARINE PRODUCTS	MPX
MARINEMAX INC	HZO
MARKEL CORP	MKL
MARKETAXESS HOLDINGS	MKTX
MARKETWISE INC (A)	MKTW
MARKFORGED HOLDING CORPORATION (A)	MKFG
MARQETA	MQ
MARRIOTT INTERNATIONAL	MAR
MARRIOTT VACATIONS WORLDWIDE	VAC
MARSH & MCLENNAN	MMC
MARTEN TRANSPORT	MRTN
MARTIN MERIETTA MATERIALS	MLM
MARVELL TECHNOLOGY	MRVL
MASCO CORP	MAS
MASIMO	MASI
MASONITE INTERNATIONAL CORP	DOOR
MASTEC INC	MTZ
MASTERCARD CL A	MA
MASTERCRAFT BOAT HOLDINGS	MCFT
MATADOR RESOURCES	MTDR
MATCH GROUP	MTCH
MATERION	MTRN
MATSON INC.	MATX
MATTEL	MAT
MATTERPORT INC (A)	MTTR
MATTHEWS INTL A	MATW
MAXAR TECHNOLOGIES	MAXR
MAXCYTE	MXCT
MAXIMUS	MMS
MAXLINEAR	MXL

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Company	Ticker
MADISON SQUARE GARDEN ENTERTAINMENT	MSGE
MADISON SQUARE GARDEN SPORTS CORP	MSGS
MADRIGAL PHARMACEUTICALS	MDGL
MAGNITE INC	MGNI
MAGNOLIA OIL & GAS CORPORATION (A)	MGY
MALIBU BOATS	MBUU
MANDIANT INC	MNDT
MANHATTAN ASSOC	MANH
MANITOWOC CO	MTW
MANNING & NAPIER	MN
MANNKIND	MNKD
MANPOWERGROUP	MAN
MANTECH INTL CORP	MANT
MARATHON DIGITAL HOLDINGS INC	MARA
MARATHON OIL CORP	MRO
MARATHON PETROLEUM	MPC
MARAVAI LIFESCIENCES HOLDINGS	MRVI
MERCURY GENERAL	MCY
MERCURY SYSTEMS	MRCY
MERIDIAN BIOSCIENCE	VIVO
MERIDIANLINK	MLNK
MERIT MEDICAL SYSTEMS	MMSI
MERITAGE HOMES	MTH
MERITOR	MTOR
MERSANA THERAPEUTICS	MRSN
MESA LAB	MLAB
META FINANCIAL GROUP	CASH
META PLATFORMS INC	META
METHODE ELECTRONICS	MEI
METLIFE	MET
METROCITY BANKSHARES	MCBS
METROPOLITAN BANK HOLDING	MCB
METTLER-TOLEDO	MTD
MFA FINANCIAL	MFA
MGE ENERGY	MGEE
MGIC INVESTMENT	MTG
MGM RESORTS INTERNATIONAL	MGM
MGP INGREDIENTS	MGPI
MICROCHIP TECHNOLOGY	MCHP
MICRON TECHNOLOGY	MU
MICROSOFT CORP	MSFT
MICROSTRATEGY CLASS A	MSTR
MICROVAST HOLDINGS INC	MVST
MICROVISION INC	MVIS
MID PENN BANC	MPB
MID-AMERICA APARTMENT COMM	MAA
MIDDLEBY	MIDD
MIDDLESEX WATER	MSEX

Company	Ticker
MBIA	MBI
MCCORMICK & CO	MKC
MCDONALDS CORP	MCD
MCGRATH RENT CORP	MGRC
MCKESSON	MCK
MDC HOLDINGS INC	MDC
MDU RESOURCES	MDU
MEDIAALPHA	MAX
MEDICAL PROPERTIES TRUST	MPW
MEDIFAST INC	MED
MEDNAX	MD
MEDPACE HOLDINGS	MEDP
MEDTRONIC PLC	MDT
MEIRAGTX HOLDINGS PLC	MGTX
MERCANTILE BANK	MBWM
MERCHANTS BANCORP	MBIN
MERCK & CO	MRK
MOHAWK INDUSTRIES	MHK
MOLINA HEALTHCARE	MOH
MOLSON COORS BEVERAGE COMPANY	TAP
MOMENTIVE GLOBAL INC	MNTV
MOMENTUS INC (A)	MNTS
MONARCH CASINO	MCRI
MONDELEZ INTERNATIONAL INC.	MDLZ
MONEYGRAM INTERNATIONAL	MGI
MONEYLION INC (A)	ML
MONGODB	MDB
MONOLITHIC POWER SYSTEMS	MPWR
MONRO	MNRO
MONSTER BEVERAGE	MNST
MONTAUK RENEWABLES	MNTK
MONTE ROSA THERAPEUTICS INC	GLUE
MONTRON ENVIRONMENTAL GROUP	MEG
MOODYS CORPORATION	MCO
MOOG INC A	MOG.A
MORGAN STANLEY	MS
MORNINGSTAR INC.	MORN
MORPHIC HOLDINGS	MORF
MOSAIC COMPANY	MOS
MOTORCAR PARTS OF AMERICA INC.	MPAA
MOTOROLA SOLUTIONS	MSI
MOVADO GROUP	MOV
MP MATERIALS CORP (A)	MP
MR. COOPER GROUP	COOP
MRC GLOBAL	MRC
MSA SAFETY	MSA
MSC INDUSTRIAL A	MSM
MSCI	MSCI

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Company	Ticker
MIDLAND STATES BANCORP	MSBI
MIDWESTONE FINANCIAL GROUP	MOFG
MILLER INDS	MLR
MILLERKNOLL INC	MLKN
MIMEDX GROUP	MDXG
MINERALS TECH	MTX
MIRATI THERAPEUTICS INC	MRTX
MIRION TECHNOLOGIES INC	MIR
MIRUM PHARMACEUTICALS	MIRM
MISSION PRODUCE	AVO
MISTER CAR WASH	MCW
MITEK SYSTEMS	MITK
MKS INSTRUMENTS	MKSI
MODEL N INC	MODN
MODERNA	MRNA
MODINE MANUFACTURING CO	MOD
MODIVCARE INC	MODV
MOELIS & COMPANY	MC
NATIONAL BANK HOLDINGS	NBHC
NATIONAL BEVERAGE	FIZZ
NATIONAL ENERGY SERVICES REUNITED	NESR
NATIONAL HEALTH INVESTORS	NHI
NATIONAL HEALTHCARE	NHC
NATIONAL INSTRUMENTS	NATI
NATIONAL PRESTO	NPK
NATIONAL RESEARCH	NRC
NATIONAL RETAIL PROPERTIES	NNN
NATIONAL STORAGE AFFILIATES TRUST	NSA
NATIONAL VISION HOLDINGS	EYE
NATIONAL WESTERN LIFE GROUP - CL A	NWLI
NATL FUEL GAS CO	NFG
NATURAL GROCERS BY VITAMIN COTTAGE INC	NGVC
NATURES SUNSHINE PRODUCTS	NATR
NATUS MEDICAL	NTUS
NAUTILUS BIOTECHNOLOGY INC	NAUT
NAVIENT CORP	NAVI
NBT BANCORP INC.	NBTB
NCINO	NCNO
NCR CORP	NCR
NEENAH	NP
NEKTAR THERAPEUTICS	NKTR
NELNET CLASS A	NNI
NEOGAMES	NGMS
NEOGEN CORP	NEOG
NEOGENOMICS INC.	NEO
NEOPHOTONICS	NPTN
NERDWALLET	NRDS
NERDY INC (A)	NRDY

Company	Ticker
MUELLER INDS	MLI
MUELLER WATER PRODUCTS	MWA
MULLEN AUTOMOTIVE INC	MULN
MULTIPLAN CORPORATION (A)	MPLN
MURPHY OIL CORP	MUR
MURPHY USA	MUSA
MVB FINANCIAL CORP	MVBF
MYERS INDUSTRIES INC	MYE
MYR GROUP INC.	MYRG
MYRIAD GENETICS	MYGN
N-ABLE	NABL
NABORS INDUSTRIES	NBR
NACCO INDS INC	NC
NANO X IMAGING	NNOX
NANOSTRING TECHNOLOGIES	NSTG
NAPCO SECURITY SYSTEMS	NSSC
NASDAQ	NDAQ
NATERA	NTRA
NEWS CORPORATION CL A	NWSA
NEWS CORPORATION CL B	NWS
NEXPOINT REAL ESTATE FINANCE	NREF
NEXPOINT RESIDENTIAL TRUST	NXRT
NEXSTAR MEDIA GROUP INC.	NXST
NEXTDECADE	NEXT
NEXTERA ENERGY INC	NEE
NEXTGEN HEALTHCARE INC	NXGN
NEXTIER OILFIELD SOLUTIONS INC	NEX
NEXTNAV INC (A)	NN
NGM BIOPHARMACEUTICALS	NGM
NI HOLDINGS	NODK
NICOLET BANKSHARES INC	NIC
NIELSEN HOLDINGS	NLSN
NIKE INC CL B	NKE
NIKOLA CORPORATION	NKLA
NISOURCE	NI
NKARTA	NKTX
NL INDUSTRIES	NL
NLIGHT	LASR
NMI HOLDINGS INC	NMIH
NOBLE	NE
NOODLES & COMPANY	NDLS
NORDIC AMERICAN TANKER	NAT
NORDSON CP	NDSN
NORDSTROM	JWN
NORFOLK STHN CORP	NSC
NORTHEAST BANK	NBN
NORTHERN OIL AND GAS	NOG
NORTHERN TRUST	NTRS

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Company	Ticker
NETAPP	NTAP
NETFLIX INC	NFLX
NETGEAR INC.	NTGR
NETSCOUT SYS	NTCT
NETSTREIT	NTST
NEUROCRINE BIOSCIENCES	NBIX
NEVRO	NVRO
NEW FORTRESS ENERGY	NFE
NEW JERSEY RES	NJR
NEW RELIC	NEWR
NEW RESIDENTIAL INVESTMENT CORP.	NRZ
NEW YORK COMMUNITY BANCORP	NYCB
NEW YORK MORTGAGE TRUST	NYMT
NEW YORK TIMES CL A	NYT
NEWELL BRANDS	NWL
NEWMARK GROUP	NMRK
NEWMARKET	NEU
NEWMONT CORPORATION	NEM
NEWPARK RESOURCES	NR
NUTANIX	NTNX
NUTEX HEALTH	NUTX
NUVALENT	NUVL
NUVASIVE	NUVA
NUVATION BIO INC (A)	NUVB
NV5 GLOBAL INC.	NVEE
NVENT ELECTRIC	NVT
NVIDIA	NVDA
NVR INC	NVR
O REILLY AUTO	ORLY
OAK STREET HEALTH	OSH
OASIS PETROLEUM	OAS
OCCIDENTAL PETROLEUM	OXY
OCEANEERING INTL	OII
OCEANFIRST FINANCIAL	OCFC
OCUGEN INC	OCGN
OCULAR THERAPEUTIX	OCUL
OFFERPAD SOLUTIONS INC (A)	OPAD
OFFICE PROPERTIES INCOME TRUST	OPI
OFG BANCORP	OFG
OGE ENERGY	OGE
O-I GLASS INC	OI
OIL STATES INTL	OIS
OKTA	OKTA
OLAPLEX HOLDINGS	OLPX
OLD DOMINION FREIGHT LINE	ODFL
OLD NATL BNCP	ONB
OLD REPUBLIC INTL	ORI
OLD SECOND BNCP	OSBC

Company	Ticker
NORTHFIELD BANCORP INC.	NFBK
NORTHROP GRUMMAN CORP	NOC
NORTHWEST BANCSHARES	NWBI
NORTHWEST NATURAL HOLDING COMPANY	NWN
NORTHWEST PIPE	NWPX
NORTHWESTERN CORP	NWE
NORTONLIFELOCK INC	NLOK
NORWEGIAN CRUISE LINE	NCLH
NOV INC	NOV
NOVAGOLD RESOURCES INC.	NG
NOVANTA INC	NOVT
NOVAVAX	NVAX
NOVOCURE	NVCR
NOW INC.	DNOW
NRG ENERGY	NRG
NU SKIN ENTERPR A	NUS
NUCOR CORP	NUE
NURIX THERAPEUTICS	NRIX
NUSCALE POWER CORPORATION (A)	SMR
OOMA	OOMA
OPEN LENDING CORPORATION (A)	LPRO
OPENDOOR TECHNOLOGIES INC (A)	OPEN
OPKO HEALTH	OPK
OPORTUN FINANCIAL	OPRT
OPPENHEIMER HOLDINGS INC.	OPY
OPFI INC	OPFI
OPTIMIZERX CORP	OPRX
OPTION CARE HEALTH INC	OPCH
ORACLE CORP.	ORCL
ORASURE TECH	OSUR
ORCHID ISLAND CAPITAL	ORC
ORGANOGENESIS HOLDINGS (A)	ORGO
ORGANON	OGN
ORIGIN BANCORP	OBNK
ORIGIN MATERIALS INC (A)	ORGN
ORION ENGINEERED CARBONS S.A.	OEC
ORION OFFICE REIT	ONL
ORMAT TECHNOLOGIES	ORA
ORRSTOWN FINANCIAL SERVICES INC.	ORRF
ORTHOFIX MEDICAL	OFIX
ORTHOPEDIATRICS	KIDS
OSCAR HEALTH	OSCR
OSHKOSH	OSK
OSI SYSTEMS INC	OSIS
OTIS WORLDWIDE	OTIS
OTTER TAIL CP	OTTR
OUSTER INC (A)	OUST
OUTBRAIN	OB

# Membership list

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Company	Ticker
OLIN CORP	OLN
OLLIE'S BARGAIN OUTLET HOLDINGS	OLLI
OLO	OLO
OLYMPIC STEEL	ZEUS
OMEGA FLEX	OFLX
OMEGA HEALTHCARE INVESTORS	OHI
OMNICELL INC	OMCL
OMNICOM GROUP	OMC
ON SEMICONDUCTOR CORP	ON
ON24	ONTF
ONDAS HOLDINGS	ONDS
ONE GAS	OGS
ONE GROUP HOSPITALITY	STKS
ONE LIBERTY	OLP
ONEMAIN HOLDINGS	OMF
ONEOK INC	OKE
ONESPAN	OSPN
ONESPAN WORLD HOLDINGS (A)	OSW
ONEWATER MARINE	ONEW
ONTO INNOVATION INC	ONTO
PALO ALTO NETWORKS	PANW
PALOMAR HOLDINGS	PLMR
PAPA JOHN'S INTERNATIONAL	PZZA
PAR PACIFIC HOLDINGS	PARR
PAR TECHNOLOGY	PAR
PARAGON 28	FNA
PARAMOUNT GLOBAL (A)	PARAA
PARAMOUNT GLOBAL (B)	PARA
PARAMOUNT GROUP	PGRE
PARDES BIOSCIENCES INC (A)	PRDS
PARK AEROSPACE	PKE
PARK HOTELS & RESORTS	PK
PARK NATIONAL	PRK
PARKE BANCORP	PKBK
PARKER-HANNIFIN	PH
PARSONS	PSN
PARTY CITY HOLDCO	PRTY
PATRICK INDUSTRIES	PATK
PATTERSON COS	PDCO
PATTERSON-UTI ENERGY	PTEN
PAYA HOLDINGS INC (A)	PAYA
PAYCHEX	PAYX
PAYCOM SOFTWARE	PAYC
PAYCOR HCM	PYCR
PAYLOCITY HOLDING	PCTY
PAYONEER GLOBAL INC (A)	PAYO
PAYPAL HOLDINGS	PYPL
PAYSAFE LIMITED (A)	PSFE

Company	Ticker
OUTFRONT MEDIA	OUT
OUTLOOK THERAPEUTICS	OTLK
OUTSET MEDICAL	OM
OVERSTOCK.COM	OSTK
OVINTIV INC	OVV
OWENS & MINOR	OMI
OWENS CORNING	OC
OWLET INC (A)	OWLT
OXFORD INDUSTRIES	OXM
P.A.M. TRANS SVC	PTSI
P3 HEALTH PARTNERS INC (A)	PIII
PACCAR	PCAR
PACIFIC BIOSCIENCES OF CALIFORNIA	PACB
PACIFIC PREMIER BANCORP INC	PPBI
PACIRA BIOSCIENCES	PCRX
PACKAGING CORP OF AMERICA	PKG
PACTIV EVERGREEN	PTVE
PACWEST BANCORP	PACW
PAGERDUTY	PD
PALANTIR TECHNOLOGIES	PLTR
PEPSICO	PEP
PERDOCEO EDUCATION CORP	PRDO
PERELLA WEINBERG PARTNERS	PWP
PERFICIENT INC	PRFT
PERFORMANCE FOOD GROUP	PFGC
PERIMETER SOLUTIONS SA	PRM
PERKINELMER INC	PKI
PERRIGO COMPANY PLC	PRGO
PETCO HEALTH AND WELLNESS	WOOF
PETIQ	PETQ
PETMED EXPRESS	PETS
PFIZER	PFE
PFSWEB INC	PFSW
PG & E CORP.	PCG
PGT INNOVATIONS	PGTI
PHATHOM PHARMACEUTICALS	PHAT
PHIBRO ANIMAL HEALTH	PAHC
PHILIP MORRIS INTERNATIONAL	PM
PHILLIPS 66	PSX
PHILLIPS EDISON & COMPANY	PECO
PHOTRONICS INC	PLAB
PHREESIA	PHR
PHYSICIANS REALTY TRUST	DOC
PIEDMONT LITHIUM	PLL
PIEDMONT OFFICE REALTY TRUST CL A	PDM
PILGRIM'S PRIDE CORP.	PPC
PING IDENTITY HOLDING	PING
PINNACLE FINL	PNFP

# Membership list

## Russell 3000® Index

Company	Ticker
PBF ENERGY	PBF
PC CONNECTION	CNXN
PCB BANCORP	PCB
PCSB FINANCIAL	PCSB
PDC ENERGY	PDCE
PDF SOLUTIONS	PDFS
PEABODY ENERGY CORP	BTU
PEAPACK GLADSTONE FINANCIAL	PGC
PEBBLEBROOK HOTEL TRUST	PEB
PEGASYSTEMS INC	PEGA
PELOTON INTERACTIVE	PTON
PENN NATIONAL GAMING	PENN
PENNANT GROUP	PNTG
PENNYMAC FINANCIAL SERVICES	PFSI
PENNYMAC MORTGAGE INVESTMENT TRUST	PMT
PENSKE AUTOMOTIVE GROUP	PAG
PENTAIR PLC	PNR
PENUMBRA	PEN
PEOPLES BANCORP	PEBO
PEOPLES FINANCIAL SERVICES CORP.	PFIS
PEPGEN INC	PEPG
POLYMET MINING	PLM
POOL	POOL
POPULAR INC	BPOP
PORCH GROUP INC (A)	PRCH
PORTILLOS	PTLO
PORTLAND GENERAL ELECTRIC	POR
POSHMARK	POSH
POST HOLDINGS	POST
POSTAL REALTY TRUST	PSTL
POTLATCHDELTIC	PCH
POWELL INDS	POWL
POWER INTEGRATIONS	POWI
POWERSCHOOL HOLDINGS	PWSC
PPG INDUSTRIES	PPG
PPL CORPORATION	PPL
PRA GROUP	PRAA
PRAXIS PRECISION MEDICINES	PRAX
PRECIGEN	PGEN
PREFERRED BANK LOS ANGELES	PFBC
PREFORMED LINE PRODUCTS	PLPC
PREMIER FINANCIAL CORP	PFC
PREMIER INC	PINC
PRESTIGE CONSUMER HEALTHCARE	PBH
PRICE (T. ROWE) GROUP	TROW
PRICESMART	PSMT
PRIMERICA	PRI
PRIMIS FINANCIAL CORP	FRST

Company	Ticker
PINNACLE WEST CAPITAL CORP	PNW
PINTEREST	PINS
PIONEER BANCORP	PBFS
PIONEER NATURAL RESOURCE	PXD
PIPER SANDLER COMPANIES	PIPR
PITNEY BOWES	PBI
PJT PARTNERS	PJT
PLANET FITNESS	PLNT
PLANET LABS PBC (A)	PL
PLANTRONICS	POLY
PLAYSTUDIOS INC (A)	MYPS
PLAYTIKA HOLDING	PLTK
PLBY GROUP INC	PLBY
PLEXUS CORP	PLXS
PLUG POWER INC	PLUG
PLYMOUTH INDUSTRIAL REIT	PLYM
PMV PHARMACEUTICALS	PMVP
PNC FINANCIAL SERVICES GROUP	PNC
PNM RESOURCES	PNM
POINT BIOPHARMA GLOBAL INC	PNT
POLARIS	PII
PROTO LABS INC	PRLB
PROVENTION BIO	PRVB
PROVIDENT BANCORP INC	PVBC
PROVIDENT FINANCIAL SERVICES INC	PFS
PRUDENTIAL FINANCIAL	PRU
PS BUSINESS PARKS	PSB
PTC	PTC
PTC THERAPEUTICS	PTCT
PUBLIC STORAGE	PSA
PUBLIC SVC ENTERPRISE GROUP	PEG
PUBMATIC	PUBM
PULMONX	LUNG
PULTE GROUP	PHM
PURE STORAGE	PSTG
PURECYCLE	PCYO
PURECYCLE TECHNOLOGIES INC	PCT
PURPLE INNOVATION	PRPL
PVH CORP.	PVH
PZENIA INVESTMENT MANAGEMENT	PZN
Q2 HOLDINGS	QTWO
QCR HOLDINGS INC	QCRH
QIAGEN N.V.	QGEN
QORVO INC.	QRVO
QUAD/GRAPHICS INC.	QUAD
QUAKER HOUGHTON	KWR
QUALCOMM	QCOM
QUALYS INC	QLYS

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## Russell 3000® Index

Company	Ticker
PRIMO WATER	PRMW
PRIMORIS SERVICES CORP.	PRIM
PRINCIPAL FINANCIAL GROUP	PFG
PRIORITY TECHNOLOGY HOLDINGS	PRTH
PRIVIA HEALTH GROUP	PRVA
PROASSURANCE	PRA
PROCEPT BIROBOTICS	PRCT
PROCORE TECHNOLOGIES	PCOR
PROCTER & GAMBLE	PG
PROFESSIONAL HOLDING	PFHD
PROG HOLDINGS INC	PRG
PROGRESS SOFTWARE	PRGS
PROGRESSIVE CORP	PGR
PROGYNY	PGNY
PROLOGIS	PLD
PROMETHEUS BIOSCIENCES	RXDX
PROPETRO HOLDING	PUMP
PROS HOLDINGS INC.	PRO
PROSPERITY BANCSHARES	PB
PROTAGONIST THERAPEUTICS	PTGX
PROTERRA INC (A)	PTRA
PROTHENA PLC	PRTA
RANPAK HOLDINGS (A)	PACK
RAPID7	RPD
RAPT THERAPEUTICS	RAPT
RAYMOND JAMES FINANCIAL	RJF
RAYONIER	RYN
RAYONIER ADVANCED MATERIALS	RYAM
RAYTHEON TECHNOLOGIES CORPORATION	RTX
RBB BANCORP	RBB
RBC BEARINGS	ROLL
RCI HOSPITALITY HOLDINGS	RICK
RE/MAX HOLDINGS	RMAX
READY CAPITAL CORPORATION	RC
REALTY INCOME	O
REATE PHARMACEUTICALS	RETA
RECURSION PHARMACEUTICALS	RXRX
RED RIVER BANCSHARES	RRBI
RED ROCK RESORTS	RRR
RED VIOLET	RDVT
REDBOX ENTERTAINMENT INC (A)	RDBX
REDFIN CORP	RDFN
REDWIRE CORP	RDW
REDWOOD TRUST	RWT
REGAL REXNORD CORPORATION	RRX
REGENCY CENTERS	REG
REGENERON PHAR	REGN
REGENXBIO	RGNX

Company	Ticker
QUANEX BUILDING PRODUCTS	NX
QUANTA SERVICES	PWR
QUANTERIX CORP	QTRX
QUANTUM SI INC (A)	QSI
QUANTUMSCAPE	QS
QUEST DIAGNOSTICS	DGX
QUIDELORTHO CORPORATION	QDEL
QUINSTREET	QNST
QUOTIENT TECHNOLOGY INC.	QUOT
QURATE RETAIL	QRTEA
RACKSPACE TECHNOLOGY	RXT
RADIAN GROUP	RDN
RADIANT LOGISTICS	RLGT
RADIUS GLOBAL INFRASTRUCTURE	RADI
RADIUS HEALTH INC	RDUS
RADNET	RDNT
RALLYBIO	RLYB
RALPH LAUREN CORP	RL
RAMACO RESOURCES	METC
RAMBUS INC	RMBS
RANGE RESOURCES	RRC
RANGER OIL CORP	ROCC
REV GROUP	REVG
REVANCE THERAPEUTICS	RVNC
REVOLUTION MEDICINES	RVMD
REVOLVE GROUP	RVLV
REX AMERICAN RESOURCES	REX
REXFORD INDUSTRIAL REALTY	REXR
REYNOLDS CONSUMER PRODUCTS	REYN
RH	RH
RIBBON COMMUNICATIONS	RBBN
RIGEL PHARMACEUTICALS INC	RIGL
RIGETTI COMPUTING INC (A)	RGTI
RILEY EXPLORATION PERMIAN	REPX
RIMINI STREET	RMNI
RING ENERGY INC	REI
RINGCENTRAL	RNG
RIOT BLOCKCHAIN	RIOT
RITE AID	RAD
RIVIAN AUTOMOTIVE	RIVN
RLI CORPORATION	RLI
RLJ LODGING TRUST	RLJ
RMR GROUP	RMR
ROBERT HALF INTERNATIONAL	RHI
ROBINHOOD MARKETS	HOOD
ROBLOX	RBLX
ROCKET COMPANIES	RKT
ROCKET LAB USA INC (A)	RKLB



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Company	Ticker
REGIONAL MANAGEMENT CORP	RM
REGIONS FINANCIAL	RF
REINSURANCE GROUP OF AMERICA	RG
RELAY THERAPEUTICS	RLAY
RELIANCE STEEL & ALUMINIUM	RS
RELMADA THERAPEUTICS	RLMD
REMITLY GLOBAL	RELY
RENAISSANCERE	RNR
RENASANT CORP	RNST
RENT THE RUNWAY	RENT
RENT-A-CENTER	RCII
REP FIRST BANC	FRBK
REPAY HOLDINGS (A)	RPAY
REPLIGEN CORP	RGEN
REPLIMUNE GROUP	REPL
REPUBLIC BANCORP	RBCAA
REPUBLIC SERVICES	RSG
RESERVOIR MEDIA INC	RSVR
RESIDEO TECHNOLOGIES	REZI
RESMED INC	RMD
RESOLUTE FOREST PRODUCTS	RFP
RESOURCES CONNECTION INC	RGP
RETAIL OPPORTUNITY	ROIC
RYAN SPECIALTY HOLDINGS INC (A)	RYAN
RYDER SYSTEM	R
RYERSON HOLDING CORP	RYI
RYMAN HOSPITALITY PROPERTIES	RHP
S&P GLOBAL	SPGI
S&T BANCORP	STBA
SABRA HEALTH CARE REIT	SBRA
SABRE CORP	SABR
SAFE BULKERS	SB
SAFEHOLD INC	SAFE
SAFETY INSURANCE GROUP INC	SAFT
SAGE THERAPEUTICS	SAGE
SAIA	SAIA
SAILPOINT TECHNOLOGIES	SAIL
SALESFORCE INC	CRM
SALLY BEAUTY	SBH
SANA BIOTECHNOLOGY	SANA
SANDERSON FARMS	SAFM
SANDRIDGE ENERGY	SD
SANDY SPRING BANCORP	SASR
SANFILIPP & SON	JBSS
SANGAMO THERAPEUTICS	SGMO
SANMINA CORP	SANM
SAPIENS INTERNATIONAL CORP	SPNS
SARCOS TECHNOLOGY AND ROBOTICS CORP (A)	STRC

Company	Ticker
ROCKET PHARMACEUTICALS	RCKT
ROCKLEY PHOTONICS HOLDINGS LIMITED (A)	RKLY
ROCKWELL AUTOMATION	ROK
ROCKY BRANDS	RCKY
ROGERS CORP	ROG
ROKU	ROKU
ROLLINS INC	ROL
ROOT	ROOT
ROPER TECHNOLOGIES	ROP
ROSS STORES	ROST
ROVER GROUP INC (A)	ROVR
ROYAL CARIBBEAN GROUP	RCL
ROYAL GOLD	RGLD
ROYALTY PHARMA	RPRX
RPC	RES
RPM INC	RPM
RPT REALTY	RPT
RUMBLEON INC	RMBL
RUSH ENTERPRISES A	RUSHA
RUSH ENTERPRISES INC -CL B	RUSHB
RUSH STREET INTERACTIVE INC (A)	RSI
RUTHS HOSPITALITY GROUP	RUTH
RXSIGHT	RXST
SEER	SEER
SEI INVEST CO	SEIC
SELECT ENERGY SERVICES	WTTR
SELECT MEDICAL HOLDINGS	SEM
SELECTIVE INSURANCE GROUP	SIGI
SELECTQUOTE	SLQT
SEMA4 HOLDINGS CORP (A)	SMFR
SEMPRA	SRE
SEMTECH CORP	SMTC
SENECA FOOD A	SENEA
SENSATA TECHNOLOGIES HOLDING PLC	ST
SENSEONICS HOLDINGS	SENS
SENSIENT TECH	SXT
SENTINELONE	S
SERES THERAPEUTICS	MCRB
SERITAGE GROWTH PROPERTIES	SRG
SERVICE CORP INTL	SCI
SERVICE PROPERTIES TRUST	SVC
SERVICENOW	NOW
SERVISFIRST BANCSHARES	SFBS
SFL CORPORATION LTD	SFL
SHAKE SHACK	SHAK
SHARECARE INC	SHCR
SHENANDOAH TELECOMS	SHEN
SHERWIN-WILLIAMS	SHW

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Company	Ticker
SAREPTA THERAPEUTICS	SRPT
SAUL CENTERS	BFS
SBA COMMUNICATIONS	SBAC
SCANSOURCE	SCSC
SCHLUMBERGER	SLB
SCHNEIDER NATIONAL CL B	SNDR
SCHNITZER STEEL	SCHN
SCHOLASTIC CORP	SCHL
SCHRODINGER	SDGR
SCHWAB (CHARLES) CORP	SCHW
SCHWEITZER-MAUDUIT INTL	SWM
SCIENCE 37 HOLDINGS INC	SNCE
SCIENCE APPLICATIONS INTERNATIONAL CORPO	SAIC
SCORPIO TANKERS	STNG
SCOTTS MIRACLE-GRO	SMG
SCRIPPS (E.W) CLASS A	SSP
SCULPTOR CAPITAL MANAGEMENT INC (A)	SCU
SEABOARD	SEB
SEACOAST BANKING	SBCF
SEAGEN INC	SGEN
SEALED AIR	SEE
SEASPIKE HOLDINGS CORP.	SPNE
SEAWORLD ENTERTAINMENT	SEAS
SECUREWORKS	SCWX
SIMPSON MANUFACTURING	SSD
SIMULATIONS PLUS	SLP
SINCLAIR BROADCAST A	SBGI
SINGULAR GENOMICS SYSTEMS	OMIC
SIRIUS XM HOLDINGS	SIRI
SIRIUSPOINT LTD	SPNT
SITE CENTERS	SITC
SITEONE LANDSCAPE SUPPLY	SITE
SITIME	SITM
SITIO ROYALTIES CORP (A)	STR
SIX FLAGS ENTERTAINMENT CORP.	SIX
SJW GROUP	SJW
SKECHERS USA CL A	SKX
SKILLSOFT CORP (A)	SKIL
SKILLZ INC (A)	SKLZ
SKYLINE CHAMPION CORPORATION	SKY
SKYWATER TECHNOLOGY	SKYT
SKYWEST INC	SKYW
SKYWORKS SOLUTIONS INC	SWKS
SL GREEN REALTY	SLG
SLEEP NUMBER	SNBR
SLM CORP	SLM
SM ENERGY	SM
SMART GLOBAL HOLDINGS	SGH

Company	Ticker
SHIFT4 PAYMENTS	FOUR
SHOALS TECHNOLOGIES GROUP	SHLS
SHOCKWAVE MEDICAL	SWAV
SHOE CARNIVAL	SCVL
SHORE BANCSHARES INC	SHBI
SHOTSPOTTER	SSTI
SHUTTERSTOCK INC	SSTK
SI-BONE	SIBN
SIERRA BANCORP/CA	BSRR
SIERRA ONCOLOGY	SRRA
SIGA TECH INC	SIGA
SIGHT SCIENCES	SGHT
SIGNATURE BANK	SBNY
SIGNET JEWELERS	SIG
SIGNIFY HEALTH	SGFY
SILGAN HLDG INC	SLGN
SILICON LABS	SLAB
SILK ROAD MEDICAL	SILK
SILVERBOW RESOURCES	SBOW
SILVERCREST ASSET MANAGEMENT GROUP INC	SAMG
SILVERGATE CAPITAL	SI
SIMMONS FIRST NATIONAL CORP - CL A	SFNC
SIMON PROPERTY GROUP	SPG
SIMPLY GOOD FOODS	SMPL
SOUTHSIDE BANCSHARES	SBSI
SOUTHSTATE CORP	SSB
SOUTHWEST AIRLINES	LUV
SOUTHWEST GAS HOLDINGS	SWX
SOUTHWESTERN ENERGY	SWN
SOVOS BRANDS	SOVO
SP PLUS	SP
SPARTANNASH	SPTN
SPECTRUM BRANDS HOLDINGS	SPB
SPIRE GLOBAL INC (A)	SPIR
SPIRE INC.	SR
SPIRIT AEROSYSTEMS HOLDINGS INC. CL A	SPR
SPIRIT AIRLINES	SAVE
SPIRIT REALTY CAPITAL	SRC
SPLUNK	SPLK
SPORTMANS WAREHOUSE HOLDINGS	SPWH
SPOTIFY TECHNOLOGY SA	SPOT
SPRINGWORKS THERAPEUTICS	SWTX
SPROUT SOCIAL	SPT
SPROUTS FARMERS MARKET	SFM
SPS COMMERCE	SPSC
SPX CORP	SPXC
SQUARESPACE	SQSP
SS&C TECHNOLOGIES HOLDINGS	SSNC

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Company	Ticker
SMARTFINANCIAL INC	SMBK
SMARTRENT INC	SMRT
SMARTSHEET	SMAR
SMITH (AO)	AOS
SMITH AND WESSON BRANDS INC	SWBI
SNAP ONE HOLDINGS	SNPO
SNAP-ON INC	SNA
SNOWFLAKE	SNOW
SOFI TECHNOLOGIES INC	SOFI
SOLARIS OILFIELD INFRASTRUCTURE	SOI
SOLARWINDS	SWI
SOLID POWER INC (A)	SLDP
SOLO BRANDS	DTC
SOMALOGIC INC (A)	SLGC
SONDER HOLDINGS INC	SOND
SONIC AUTOMOTIVE	SAH
SONOCO PRODUCTS	SON
SONOS INC	SONO
SORRENTO THERAPEUTICS INC	SRNE
SOTERA HEALTH	SHC
SOUTH JERSEY IND	SJI
SOUTH PLAINS FINANCIAL	SPFI
SOUTHERN CO	SO
SOUTHERN COPPER CORP.	SCCO
SOUTHERN FIRST BANCSHARES	SFST
STIFEL FIN CORP	SF
STITCH FIX CLASS A	SFIX
STOCK YARDS BANCORP	SYBT
STOKE THERAPEUTICS	STOK
STONECO	STNE
STONEMOR INC	STON
STONERIDGE	SRI
STONEX GROUP INC	SNEX
STORE CAPITAL REIT	STOR
STRATEGIC EDUCATION	STRA
STRATUS PROPERTIES INC	STRS
STRIDE INC	LRN
STRYKER	SYK
STURM RUGER & CO	RGR
SUMMIT FINANCIAL GROUP	SMMF
SUMMIT HOTEL PROPERTIES	INN
SUMMIT MATERIALS	SUM
SUMO LOGIC	SUMO
SUN COMMUNITIES	SUI
SUN COUNTRY AIRLINES HOLDINGS	SNCY
SUNCOKE ENERGY	SXC
SUNLIGHT FINANCIAL HOLDINGS INC (A)	SUNL
SUNNOVA ENERGY INTERNATIONAL	NOVA

Company	Ticker
SSR MINING	SSRM
ST JOE CO (THE)	JOE
STAAR SURGICAL	STAA
STAG INDUSTRIAL	STAG
STAGWELL INC	STGW
STANDEX INTL	SXI
STANLEY BLACK & DECKER	SWK
STARBUCKS	SBUX
STARRY GROUP HOLDINGS INC (A)	STRY
STARWOOD PROPERTY TRUST INC.	STWD
STATE STREET CORP.	STT
STD MOTOR PRODS	SMP
STEEL DYNAMICS	STLD
STEELCASE INC	SCS
STEM INC (A)	STEM
STEPAN CO	SCL
STEPSTONE GROUP	STEP
STERICYCLE INC	SRCL
STERIS PLC	STE
STERLING BANCORP INC	SBT
STERLING CHECK	STER
STERLING INFRASTRUCTURE INC	STRL
STEVEN MADDEN	SHOO
STEWART INFO	STC
STHN MISSOURI	SMBC
TALOS ENERGY	TALO
TANDEM DIABETES CARE	TNDM
TANGER FACTORY OUTLET CENTER	SKT
TANGO THERAPEUTICS INC	TNGX
TAPESTRY	TPR
TARGA RESOURCES CORP.	TRGP
TARGET CORP	TGT
TARGET HOSPITALITY CORP (A)	TH
TARSUS PHARMACEUTICALS	TARS
TATTOOED CHEF INC (A)	TTCF
TAYLOR MORRISON HOME II CORPORATION	TMHC
TD SYNEX CORP	SNX
TECHTARGET INC.	TTGT
TEEKAY	TK
TEEKAY TANKERS	TNK
TEGNA	TGNA
TEJON RANCH	TRC
TELADOC HEALTH	TDOD
TELEDYNE TECH	TDY
TELEFLEX INC	TFX
TELEPHONE & DATA SYSTEMS	TDS
TELLURIAN	TELL
TELOS	TLS

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Company	Ticker
SUNOPTA INC.	STKL
SUNPOWER CORPORATION	SPWR
SUNRUN	RUN
SUNSTONE HOTEL INVESTORS	SHO
SUPER MICRO COMPUTER	SMCI
SUPERIOR GROUP OF COMPANIES	SGC
SUPERNUS PHARMACEUTICALS	SUPN
SURGERY PARTNERS	SGRY
SURMODICS INC	SRDX
SUTRO BIOPHARMA	STRO
SVB FINANCIAL GROUP	SIVB
SWEETGREEN	SG
SWITCH	SWCH
SWK HOLDINGS	SWKH
SYLVAMO	SLVM
SYNAPTICS	SYNA
SYNCHRONY FINANCIAL	SYF
SYNDAX PHARMACEUTICALS	SNDX
SYNEOS HEALTH	SYNH
SYNOPSIS INC	SNPS
SYNOVUS FINANCIAL CORP	SNV
SYSCO CORP	SY
TACTILE SYSTEMS TECHNOLOGY	TCMD
TAKE-TWO INTERACTIVE SOFTWARE	TTWO
TALARIS THERAPEUTICS	TALS
THE AZEK COMPANY	AZEK
THE BANCORP	TBBK
THE BEACHBODY COMPANY INC (A)	BODY
THE CONTAINER STORE GROUP	TCS
THE FIRST BANCORP INC.	FNLC
THE HACKETT GROUP	HCKT
THE NECESSITY RETAIL REIT INC	RTL
THE ODP CORPORATION	ODP
THE ONCOLOGY INSTITUTE INC (A)	TOI
THE REALREAL	REAL
THE SHYFT GROUP INC	SHYF
THE TRADE DESK	TTD
THE VITA COCO COMPANY	COCO
THERAVANCE BIOPHARMA	TBPH
THERMO FISHER SCIENTIFIC	TMO
THERMON GROUP HOLDINGS	THR
THESEUS PHARMACEUTICALS	THRX
THIRD COAST BANCSHARES	TCBX
THOR INDUSTRIES	THO
THORNE HEALTHTECH	THRN
THOUGHTWORKS HOLDING	TWKS
THREDUP	TDUP
THRYV HOLDINGS	THRY

Company	Ticker
TEMPUR SEALY INTERNATIONAL	TPX
TENABLE HOLDINGS	TENB
TENAYA THERAPEUTICS	TNYA
TENET HEALTHCARE	THC
TENNANT CO	TNC
TENNECO	TEN
TENON MEDICAL INC	TNON
TERADATA	TDC
TERADYNE	TER
TERAWULF INC	WULF
TEREX CORP	TEX
TERMINIX GLOBAL HOLDINGS INC	TMX
TERRAN ORBITAL CORPORATION (A)	LLAP
TERRENO REALTY	TRNO
TESLA	TSLA
TETRA TECH INC	TTEK
TETRA TECHNOLOGIES	TTI
TEXAS CAPITAL BANCSHARES	TCBI
TEXAS INSTRUMENTS	TXN
TEXAS PACIFIC LAND CORPORATION	TPL
TEXAS ROADHOUSE	TXRH
TEXTAINER GROUP HOLDINGS LTD.	TGH
TEXTRON	TXT
TFS FINANCIAL	TFSL
TG THERAPEUTICS INC	TGTX
THE AARONS COMPANY	AAN
TRANSDIGM	TDG
TRANSMEDICS GROUP	TMDX
TRANSPHORM	TGAN
TRANSUNION	TRU
TRAVEL PLUS LEISURE CO	TNL
TRAVELCENTERS OF AMERICA INC	TA
TRAVELERS COS INC.	TRV
TRAVERE THERAPEUTICS INC	TVTX
TREACE MEDICAL CONCEPTS	TMCI
TREAN INSURANCE GROUP	TIG
TREDEGAR CORP	TG
TREEHOUSE FOODS	THS
TREX COMPANY	TREX
TRI POINTE HOMES INC	TPH
TRICIDA	TCDA
TRICO BANCSHARES	TCBK
TRIMAS CORP.	TRS
TRIMBLE	TRMB
TRINET GROUP	TNET
TRINITY INDS	TRN
TRINSEO PLC	TSE
TRIPADVISOR	TRIP

# Membership list

## Russell 3000® Index

Company	Ticker
TIDEWATER INC	TDW
TILE SHOP HOLDINGS	TTSH
TILLYS	TLYS
TIMKEN CO	TKR
TIMKENSTEEL CORP	TMST
TIPTREE INC	TIPT
TITAN INTL	TWI
TITAN MACHINERY	TITN
TIVITY HEALTH	TVTY
TJX COMPANIES	TJX
T-MOBILE US INC.	TMUS
TOAST	TOST
TOLL BROTHERS	TOL
TOMPKINS FINANCIAL	TMP
TOOTSIE ROLL IND	TR
TOPBUILD	BLD
TORO CO	TTC
TORRID HOLDINGS	CURV
TOWNE BANK	TOWN
TPG RE FINANCE TRUST	TRTX
TPI COMPOSITES	TPIC
TRACTOR SUPPLY	TSCO
TRADEWEB MARKETS	TW
TRAEGER	COOK
TRANE TECHNOLOGIES PLC	TT
TRANSCAT	TRNS
TRANSCONTINENTAL REALTY INVESTORS INC	TCI
U.S. LIME & MINERALS	USLM
UBER TECHNOLOGIES	UBER
UBIQUITI	UI
UDEMAY	UDMY
UDR	UDR
UFP INDUSTRIES INC	UFPI
UFP TECHNOLOGIES	UFPT
UGI CORP HLDS	UGI
UIPATH	PATH
ULTA BEAUTY	ULTA
ULTRA CLEAN HOLDINGS	UCTT
ULTRAGENYX PHARMACEUTICAL	RARE
UMB FINL CO	UMBF
UMH PROPERTIES	UMH
UMPQUA HLDGS CP	UMPQ
UNDER ARMOUR CLASS A	UAA
UNDER ARMOUR CLASS C	UA
UNIFI INC	UFI
UNIFIRST CORP	UNF
UNION PACIFIC CORP	UNP
UNISYS CORP	UIS

Company	Ticker
TRITON INTERNATIONAL	TRTN
TRIUMPH BANCORP	TBK
TRIUMPH GROUP	TGI
TRONOX HOLDINGS PLC	TROX
TRUEBLUE	TBI
TRUECAR	TRUE
TRUIST FINANCIAL CORPORATION	TFC
TRUPANION	TRUP
TRUSTCO BANK	TRST
TRUSTMARK CORP	TRMK
TTEC HOLDINGS	TTEC
TTM TECHNOLOGIES	TTMI
TUCOWS	TCX
TUPPERWARE BRANDS CORP.	TUP
TURNING POINT BRANDS	TPB
TURNING POINT THERAPEUTICS	TPTX
TURTLE BEACH CORP.	HEAR
TUSIMPLE HOLDINGS	TSP
TUTOR PERINI	TPC
TWILIO	TWLO
TWIST BIOSCIENCE	TWST
TWITTER	TWTR
TWO HARBORS INVESTMENT	TWO
TYLER TECHNOLOGIES	TYL
TYRA BIOSCIENCES	TYRA
TYSON FOODS INC A	TSN
U.S. CELLULAR CP	USM
URANIUM ENERGY CORP	UEC
URBAN EDGE PROPERTIES	UE
URBAN ONE	UONE
URBAN ONE INC CL D	UONEK
URBAN OUTFITTERS	URBN
URSTADT BIDDLE PPTYS	UBA
US BANCORP	USB
US FOODS HOLDING	USFD
US PHYSICAL THERAPY INC	USPH
US SILICA HOLDINGS	SLCA
USANA HEALTH SCIENCES	USNA
USCB FINANCIAL HOLDINGS INC (A)	USCB
USERTESTING	USER
UTAH MEDICAL PRODUCTS INC	UTMD
UTD BANKSHARES	UBSI
UTZ BRANDS INC (A)	UTZ
UWM HOLDINGS CORPORATION (A)	UWMC
VAALCO ENERGY	EGY
VACASA INC (A)	VCASA
VAIL RESORTS	MTN
VALARIS	VAL

# Membership list

## Russell 3000® Index

Company	Ticker
UNITED AIRLINES HOLDINGS INC	UAL
UNITED COMMUNITY BANKS INC	UCBI
UNITED FIRE GROUP	UFCS
UNITED NATURAL FOODS	UNFI
UNITED PARCEL SERVICE	UPS
UNITED RENTALS	URI
UNITED STATES STEEL CORP	X
UNITED THERAPEUTICS	UTHR
UNITEDHEALTH GROUP	UNH
UNITI GROUP	UNIT
UNITIL CORP	UTL
UNITY BANCORP	UNTY
UNITY SOFTWARE	U
UNIVAR SOLUTIONS INC	UNVR
UNIVERSAL CORP	UVV
UNIVERSAL DISPLAY CORP.	OLED
UNIVERSAL ELECTRONICS	UEIC
UNIVERSAL HEALTH RLTY INCOME	UHT
UNIVERSAL HEALTH SERVICES B	UHS
UNIVERSAL HLDGS	UVE
UNIVERSAL LOGISTICS HOLDINGS INC.	ULH
UNIVERSAL TECHNICAL INSTITUTE	UTI
UNIVEST FINANCIAL CORPORATION	UVSP
UNUM GROUP	UNM
UPLAND SOFTWARE	UPLD
UPSTART HOLDINGS	UPST
UPWORK	UPWK
UR-ENERGY INC.	URG
VERITEX HOLDINGS INC	VBTX
VERITIV CORP.	VRTV
VERITONE INC	VERI
VERIZON COMMUNICATIONS	VZ
VERRA MOBILITY CORPORATION (A)	VRRM
VERTEX ENERGY INC.	VTNR
VERTEX PHARM	VRTX
VERTIV HOLDINGS CO (A)	VRT
VERU	VERU
VERVE THERAPEUTICS	VERV
VF CORP	VFC
VIA RENEWABLE INC	VIA
VIAD CORP	VVI
VIAANT TECHNOLOGY	DSP
VIASAT	VSAT
VIATRIS	VTRS
VIAVI SOLUTIONS	VIAV
VICARIOUS SURGICAL INC (A)	RBOT
VICI PROPERTIES	VICI
VICOR CORP	VICR

Company	Ticker
VALERO ENERGY	VLO
VALHI INC	VHI
VALLEY NATIONAL BANCORP	VLV
VALMONT INDS	VMI
VALUE LINE INC	VALU
VALVOLINE	VVV
VANDA PHARMACEUTICALS	VNDA
VAREX IMAGING	VREX
VARONIS SYSTEMS	VRNS
VAXART	VXRT
VAXCYTE	PCVX
VBI VACCINES	VBIV
VECTOR GP LTD	VGR
VECTRUS	VEC
VEECO INSTR INC	VECO
VEEVA SYSTEMS	VEEV
VELO3D INC (A)	VLD
VELOCITY FINANCIAL INC	VEL
VELOCITY LIDAR INC	VLDR
VENTAS INC	VTR
VENTYX BIOSCIENCES	VTYX
VERA THERAPEUTICS	VERA
VERACYTE INC	VCYT
VERICEL	VCEL
VERINT SYSTEMS	VRNT
VERIS RESIDENTIAL INC	VRE
VERISIGN INC	VERSN
VERISK ANALYTICS	VRSK
VOYA FINANCIAL	VOYA
VSE CORP	VSEC
VULCAN MATERIALS	VMC
VUZIX CORP	VUZI
W&T OFFSHORE	WTI
W. P. CAREY INC.	WPC
WABASH NATIONAL	WNC
WABTEC	WAB
WALGREENS BOOTS ALLIANCE	WBA
WALKER & DUNLOP	WD
WALMART	WMT
WARBY PARKER	WRBY
WARNER BROS DISCOVERY INC	WBD
WARRIOR MET COAL	HCC
WASHINGTON FEDERAL	WAFD
WASHINGTON REAL ESTATE INV	WRE
WASHINGTON TRUST BANCORP	WASH
WASTE MGMT INC	WM
WATERS CORP	WAT
WATERSTONE FINANCIAL	WSBF

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Company	Ticker
VICTORIAS SECRET & CO	VSCO
VICTORY CAPITAL HOLDINGS CLASS A	VCTR
VIEW INC (A)	VIEW
VIEWRAY INC	VRAY
VILLAGE SUPER MARKET	VLGEA
VIMEO	VMEQ
VINCO VENTURES INC	BBIG
VINTAGE WINE ESTATES	VWE
VIR BIOTECHNOLOGY	VIR
VIRGIN GALACTIC HOLDINGS (A)	SPCE
VIRIDIAN THERAPEUTICS INC	VRDN
VIRTU FINANCIAL	VIRT
VIRTUS INVESTMENT PARTNERS INC.	VRTS
VISA	V
VISHAY INTERTECH	VSH
VISHAY PRECISION GROUP	VPG
VISTA OUTDOOR	VSTO
VISTAGEN THERAPEUTICS	VTGN
VISTEON CORP.	VC
VISTRA CORP	VST
VITAL FARMS	VITL
VIVID SEATS INC (A)	SEAT
VIVINT SMART HOME INC (A)	VVNT
VIZIO HOLDING	VZIO
VMWARE INC.	VMW
VOLTA INC (A)	VLTA
VONAGE HOLDINGS	VG
VONTIER	VNT
VORNADO REALTY	VNO
WEYERHAEUSER	WY
WHEELS UP EXPERIENCE INC	UP
WHIRLPOOL CORP	WHR
WHITE MOUNTAINS INSURANCE	WTM
WHITESTONE REIT	WSR
WHITING PETROLEUM	WLL
WHOLE EARTH BRANDS INC (A)	FREE
WIDEPENWEST	WOW
WILEY (JOHN) & SONS - CL A	WLY
WILLDAN GROUP	WLDN
WILLIAMS COS	WMB
WILLIAMS SONOMA	WSM
WILLIS TOWERS WATSON PLC	WTW
WILLSCOT MOBILE MINI HOLDINGS CORP	WSC
WINGSTOP	WING
WINMARK CORP	WINA
WINNEBAGO INDS	WGO
WINTRUST FINANCIAL CORP	WTFC
WISDOMTREE INVESTMENTS	WETF

Company	Ticker
WATSCO INC	WSO
WATTS WATER TECHNOLOGIES	WTS
WAYFAIR	W
WD-40 CO	WDFC
WEATHERFORD INTERNATIONAL	WFRD
WEAVE COMMUNICATIONS	WEAV
WEBER	WEBR
WEBSTER FINANCIAL	WBS
WEC ENERGY GROUP	WEC
WEIS MARKETS	WMK
WEJO GROUP LIMITED (A)	WEJO
WELBILT	WBT
WELLS FARGO & COMPANY	WFC
WELLTOWER INC.	WELL
WENDYS COMPANY	WEN
WERNER ENTERPRISES	WERN
WESBANCO	WSBC
WESCO INTERNATIONAL	WCC
WEST BANCORPORATION	WTBA
WEST PHARM SVCS	WST
WESTAMERICA BANCORP	WABC
WESTERN ALLIANCE BANCORP	WAL
WESTERN DIGITAL	WDC
WESTERN UNION	WU
WESTLAKE CORPORATION	WLK
WESTROCK COMPANY	WRK
WEWORK INC (A)	WE
WEX	WEX
WEYCO GRP INC	WEYS
YETI HOLDINGS	YETI
YEXT	YEXT
YORK WATER CO	YORW
YUM BRANDS	YUM
ZEBRA TECHNOLOGIES	ZBRA
ZENDESK	ZEN
ZENTALIS PHARMACEUTICALS	ZNTL
ZETA GLOBAL HOLDINGS	ZETA
ZIFF DAVIS INC	ZD
ZILLOW GROUP	ZG
ZILLOW GROUP CL C	Z
ZIMMER BIOMET HOLDINGS	ZBH
ZIMVIE	ZIMV
ZIONS BANCORPORATION N.A.	ZION
ZIPRECRUITER	ZIP
ZOETIS	ZTS
ZOOM VIDEO COMMUNICATIONS	ZM
ZOOMINFO TECHNOLOGIES	ZI
ZSCALER	ZS

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Company	Ticker
WIX.COM	WIX
WM TECHNOLOGY INC (A)	MAPS
WOLFSPEED INC	WOLF
WOLVERINE WORLD WIDE	WWW
WOODWARD	WWD
WORKDAY	WDAY
WORKHORSE GROUP	WKHS
WORKIVA	WK
WORLD ACCEPTANCE	WRLD
WORLD FUEL SERVICES	INT
WORTHINGTON INDS	WOR
WSFS FINANCIAL CORP	WSFS
WW INTERNATIONAL INC	WW
WWF ENTMT	WWE
WYNDHAM HOTELS & RESORTS	WH
WYNN RESORTS	WYNN
XCEL ENERGY	XEL
XENCOR	XNCR
XENIA HOTELS & RESORTS	XHR
XERIS BIOPHARMA HOLDINGS INC	XERS
XEROX HOLDINGS	XRX
XOMETRY	XMTR
XOS INC (A)	XOS
XPEL INC	XPEL
XPERI HOLDING CORPORATION	XPER
XPO LOGISTICS	XPO
XPONENTIAL FITNESS	XPOF
XYLEM INC.	XYL
YELP	YELP
Y-MABS THERAPEUTICS	YMAB

Company	Ticker
ZUMIEZ	ZUMZ
ZUORA	ZUO
ZURN WATER SOLUTIONS CORPORATION	ZWS
ZYNEX	ZYXI



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