



WHITELIST

NAME	SYMBOL
2U Inc	TWOU
3M Company	MMM
51JOB	JOBS
58.com	WUBA
Abbott Laboratories	ABT
Abbvie	ABBV
Abiomed	ABMD
Acadia Healthcare	ACHC
Acorda Therapeutics	ACOR
Activision Blizzard	ATVI
Acuity Brands	AYI
Adaptive Biotechnologies	ADPT
Adobe	ADBE
Advance Auto Parts	AAP
Advanced Drainage Systems Inc	WMS
Advanced Micro Devices	AMD
AES	AES
Affiliated Managers Group	AMG
Aflac	AFL
AGCO Corporation	AGCO
Agilent Technologies	A
AGNC Investment	AGNC
Aimmune Therapeutics Inc	AIMT
Air Lease	AL
Air Products and Chemicals, Inc.	APD
Akamai Technologies	AKAM
Alarm.com Holdings Inc	ALRM
Alaska Air Group	ALK
Albemarle Corporation	ALB
Albertsons Companies	ACI
Alcoa	AA
Alexandria Real Estate	ARE
Alexion Pharmaceuticals	ALXN
Alibaba Group Holding	BABA
Align Technology	ALGN
Alleghany Corporation	Y
Allegheny Technologies	ATI

Alliance Data Systems	ADS
Alliant Energy	LNT
Allstate	ALL
Ally Financial	ALLY
Alnylam Pharmaceuticals	ALNY
Alphabet	GOOGL
Altice USA	ATUS
Altria Group	MO
AMAG Pharmaceuticals	AMAG
Amazon.com	AMZN
AMC Networks	AMCX
AMERCO	UHAL
Ameren	AEE
American Airlines Group	AAL
American Axle & Manufacturing Holdings	AXL
American Campus Communities	ACC
American Electric Power	AEP
American Express	AXP
American Financial Group	AFG
American International Group	AIG
American States Water Co	AWR
American Tower	AMT
American Water Works Company	AWK
American Well Corp	AMWL
AmeriGas Partners	APU
Ameriprise Financial	AMP
AmerisourceBergen	ABC
Ametek	AME
Amgen	AMGN
Amkor Technology	AMKR
Amphenol	APH
Amtrust Financial Services	AFSI
Anadarko Petroleum	APC
Analog Devices	ADI
Andeavor	ANDV
Andeavor Logistics	ANDX
ANI PHARMACEUTICALS	ANIP
Anixter International	AXE

Annaly Capital Management	NLY
Ansys	ANSS
Antero Resources	AR
Anthem	ANTM
AO Smith	AOS
Apache	APA
Apartment Investment and Management	AIV
Apergy	APY
Apollo Global Management Inc	APO
Apple	AAPL
Applied Materials	AMAT
Aptargroup Inc	ATR
Aqua America	WTR
Aramark	ARMK
Arista Networks	ANET
Array BioPharma	ARRY
Arrow Electronics	ARW
Arthur J Gallagher	AJG
Ashland Global Holdings	ASH
Aspen Technology	AZPN
Associated Bancorp	ASB
Assurant	AIZ
AT&T	T
Atlas Air Worldwide	AAWW
Atmos Energy	ATO
Autodesk	ADSK
Autoliv	ALV
Automatic Data Processing	ADP
AutoNation	AN
AutoZone	AZO
Avalara Inc	AVLR
Avalon Bay Communities	AVB
Avangrid	AGR
Avantor Inc	AVTR
Avaya Holdings	AVYA
Avery Dennison	AVY
Avis Budget Group	CAR
Avista	AVA

Avnet	AVT
Avon Products	AVP
AXA Equitable Holdings	EQH
Axonics Modulation Technologies	AXNX
Badger Meter Inc	BMI
Baidu.com	BIDU
Baker Hughes	BHGE
Ball Corporation	BLL
Bank of America	BAC
Baxter International	BAX
BB&T	TFC
Becton Dickinson	BDX
Bed Bath & Beyond	BBBY
Belden	BDC
Bemis Company	BMS
Berkshire Hathaway	BRK/A
Berry Global Group	BERY
Best Buy Company	BBY
Beyond Meat Inc	BYND
BGC Partners	BGCP
Bio-Rad Laboratories	BIO
Biogen	BIIB
BioMarin Pharmaceutical	BMRN
Biontech	BNTX
Biotelemetry Inc	BEAT
Bitauto Holdings	BITA
Black Hills Corporation	BKH
Black Knight	BKI
BlackRock	BLK
Blackstone Group	BX
Bluebird Bio Inc	BLUE
Boardwalk Pipeline Partners	BWP
Boeing	BA
Booking Holdings	BKNG
Booz Allen Hamilton Holding	BAH
BorgWarner	BWA
Boston Properties	BXP
Boston Scientific	BSX

Bottomline Technologies	EPAY
Boyd Gaming	BYD
Brandywine Realty Trust	BDN
Bright Horizons Family Solut	BFAM
Brighthouse Financial	BHF
Brinker International	EAT
Bristol Myers Squibb	BMY
Brixmor Property Group	BRX
Broadcom	AVGO
Broadridge Financial Solutions	BR
Brown & Brown	BRO
Brown-Forman	BF/B
Buckeye Partners	BPL
Builders FirstSource	BLDR
Burlington Northern Santa Fe	BNI
Burlington Stores	BURL
C H Robinson Worldwide	CHRW
CA Technologies	CA
Cable One Inc	CABO
Cabot Oil & Gas	COG
Cadence Design Systems	CDNS
Caesars Entertainment	CZR
Calamp	CAMP
Calavo Growers Inc	CVGW
California Resources Corporation	CRC
California Water Service Group	CWT
Calumet Specialty Products	CLMT
Camden Property Trust	CPT
Campbell Soup	CPB
Capital One Financial	COF
Carbonite	CARB
Cardinal Health	CAH
Cardiovascular Systems Inc	CSII
Carlisle Companies	CSL
Carlyle Group Inc/The	CG
CarMax	KMX
Carrier Global Corp-w/i	CARR
Carrizo Oil & Gas	CRZO

Catalent Inc	CTLT
Caterpillar	CAT
CBL & Associates Properties	CBL
Cboe Global Markets	CBOE
CBRE Group	CBRE
CBS	VIAC
CDK Global	CDK
CDW	CDW
Celanese Corporation	CE
Celgene	CELG
Centene	CNC
CenterPoint Energy	CNP
CenturyLink	CTL
Cerner	CERN
CF Industries Holdings	CF
Charles Schwab	SCHW
Charter Communications	CHTR
Cheniere Energy	LNG
Chesapeake Energy	CHK
Chewy Inc	CHWY
Chipotle Mexican Grill	CMG
Choice Hotels International	CHH
Church & Dwight	CHD
Ciena	CIEN
Cigna	CI
Cimarex Energy	XEC
Cincinnati Financial	CINF
Cinemark	CNK
Cintas	CTAS
Cisco Systems	CSCO
CIT Group	CIT
Citigroup	C
Citizens Financial Group	CFG
Citrix Systems	CTXS
Claire's Stores	CLE
Clean Harbors	CLH
Clearway Energy	CWEN/A
Cleveland-Cliffs	CLF

Clorox	CLX
Clovis Oncology	CLVS
CME Group	CME
CMS Energy	CMS
CNA Financial	CNA
Cobalt International Energy	CIEIQ
Coca-Cola Bottling	COKE
Cognex	CGNX
Cognizant Technology Solutions	CTSH
Colgate-Palmolive	CL
Colony NorthStar	CLNY
Columbia Sportswear Co	COLM
Comcast	CMCSA
Comerica	CMA
Commerce Bancshares	CBSH
Commercial Metals	CMC
CommScope	COMM
Community Health System	CYH
Compass Minerals International	CMP
Comstock Resources	CRK
Conagra Brands	CAG
Concho Resources	CXO
ConocoPhillips	COP
Consol Energy	CEIX
Consolidated Edison Holding	ED
Constellation Brands	STZ
Continental Resources	CLR
Copart	CPRT
CoreCivic	CXW
Coresite Realty Corp	COR
Cornerstone OnDemand	CSOD
Corning	GLW
Corporate Office Properties	OFC
Corteva Inc	CTVA
CoStar Group	CSGP
Costco Wholesale	COST
Coty	COTY
Coupa Software Inc	COUP

Covanta	CVA
Covetrus	CVET
Cowen Group	COWN
Crane	CR
Crestwood Midstream Partners LP	CMLP
Criteo	CRTO
CrowdStrike Holdings Inc - A	CRWD
Crown Castle International	CCI
Crown Holdings	CCK
CSG Systems International	CSGS
CSX	CSX
Ctrip.com	TCOM
CubeSmart	CUBE
Cummins	CMI
CVS Health	CVS
Cypress Semiconductor	CY
D R Horton	DHI
Dana	DAN
Danaher	DHR
Darden Restaurants	DRI
Darling Ingredients Inc	DAR
Datadog Inc - Class A	DDOG
DaVita	DVA
DCP Midstream	DCP
Deere & Company	DE
Dell Technologies	DELL
Delta Air Lines	DAL
Denbury Resources Inc.	DNR
Dentsply Sirona	XRAY
Devon Energy	DVN
Dexcom	DXCM
Diamondback Energy	FANG
Dick's Sporting Goods	DKS
Digital Realty Trust	DLR
Discover Financial Services	DFS
Discovery	DISCA
Dish Network	DISH
DocuSign	DOCU

Dollar General	DG
Dollar Tree	DLTR
Dominion Energy	D
Domino's Pizza	DPZ
Domtar	UFS
Donaldson Co Inc	DCI
Dover	DOV
Dow	DOW
Dr Pepper Snapple Group	KDP
Dropbox	DBX
DTE Energy	DTE
Duke Energy	DUK
Duke Realty	DRE
Dun & Bradstreet	DNB
DXC Technology	DXC
Dycom Industries	DY
Dynatrace Inc	DT
E-Trade Financial	ETFC
East West Bank	EWBC
Eastman Chemical	EMN
Eaton Vance	EV
eBay	EBAY
Echo Global Logistic	ECHO
Ecolab	ECL
Edison International	EIX
Edwards Lifesciences	EW
El Paso Electric	EE
Elanco Animal Health	ELAN
Electronic Arts	EA
Eli Lilly & Co	LLY
Emerson Electric	EMR
EnCana Corporation	OVV
Encompass Health	EHC
Encore Capital	ECPG
Energen	EGN
Energy Transfer	ET
Enlink Midstream Partners	ENLK
Enphase Energy Inc	ENPH

Entergy	ETR
Investnet	ENV
EOG Resources	EOG
Epam Systems	EPAM
EPR Properties	EPR
EQT Corporation	EQT
Equifax	EFX
Equinix	EQIX
Equitrans Midstream	ETRN
Equity Commonwealth	EQC
Equity LifeStyle Properties	ELS
Equity Residential Properties Trust	EQR
Erie Indemnity	ERIE
Essex Property Trust	ESS
Estee Lauder	EL
Etsy Inc	ETSY
Euronet Worldwide	EEFT
Evergy	EVRG
Eversource Energy	ES
Evoqua Water Technologies Co	AQUA
EXACT Sciences	EXAS
Exelon	EXC
Expedia Group	EXPE
Expeditors International of Washington	EXPD
Extra Space Storage	EXR
EZCORP	EZPW
F5 Networks	FFIV
Facebook	FB
FactSet Research Systems	FDS
Fair Isaac Corp	FICO
Fannie Mae	FNMA
Fastenal	FAST
Federal Mogul Holdings	FDML
Federal Realty Investment Trust	FRT
FedEx	FDX
Fidelity National Information Services	FIS
Fifth Third Bancorp	FITB
First Data Corporation	FDC

First Horizon National	FHN
First Republic Bank	FRC
First Solar Inc	FSLR
FirstEnergy	FE
Fiserv	FISV
Fleetcor Technologies	FLT
FLIR Systems	FLIR
Flowers Foods	FLO
Flowserve	FLS
FMC	FMC
FNF Group	FNF
Foot Locker	FL
Ford Motor	F
Forest City Realty Trust	FCE/A
Forestar Group	FOR
Fortinet	FTNT
Fortive	FTV
Fortune Brands Home & Security	FBHS
Fox Corp	FOXA
Franklin Electric Co Inc	FELE
Franklin Resources	BEN
Freddie Mac	FMCC
Frontier Communications	FTR
Fulton Financial	FULT
GameStop	GME
Gaming Innovation Group Inc	GIG
Gap	GPS
Garrett Motion	GTX
Gartner	IT
GATX	GATX
Generac Holdings	GNRC
General Electric	GE
General Mills	GIS
General Motors	GM
Gentex	GNTX
Genuine Parts	GPC
Georgia-Pacific	GP
Gilead Sciences	GILD

Global Payments	GPN
Globe Life	TMK
Globus Medical Inc	GMED
GoDaddy	GDDY
GOGO	GOGO
Goldman Sachs Group	GS
Goodyear Tire & Rubber	GT
GoPro	GPRO
Gran Tierra Energy	GTE
Grand Canyon Education Inc	LOPE
Graphic Packaging Holding Co	GPK
Green Plains	GPRE
Greenbrier Companies	GBX
Guidewire Software	GWRE
Gulfport Energy	GPOR
H & R Block	HRB
Hain Celestial Group	HAIN
Halliburton	HAL
HanesBrands	HBI
Hannon Armstrong Sustainable	HASI
Hanover Insurance Group	THG
Harley-Davidson	HOG
HARMONIC	HLIT
Hartford Financial Services Group	HIG
Hasbro	HAS
Hawaiian Holdings	HA
HCA Healthcare	HCA
HCI Group	HCI
HCP Healthpeak Properties Inc.	PEAK
HD Supply	HDS
Heico	HEI
Helmerich & Payne	HP
Henry Schein	HSIC
Hertz Global Holdings	HTZ
Hess	HES
Hewlett Packard Enterprise	HPE
Hexcel	HXL
Hexion	HXN

Highwoods Properties	HIW
Hilton Worldwide Holdings	HLT
HollyFrontier	HFC
Hologic	HOLX
Home Depot	HD
Horace Mann Educators	HMN
Hormel Foods	HRL
Host Hotels & Resorts	HST
Howard Hughes	HHC
Howmet Aerospace	HWM
HP	HPQ
Huazhu Group	HTHT
Hubbell	HUBB
HubSpot	HUBS
Hughes Satellite Systems	SATS
Humana	HUM
Huntington Bancshares	HBAN
Huntsman	HUN
Huya	HUYA
Hyatt Hotels	H
IAC InterActiveCorp	IAC
Icahn Enterprises	IEP
IDEX	IEX
Idexx Laboratories	IDXX
II-VI Incorporated	IIVI
Illinois Tool Works	ITW
Illumina	ILMN
IMMUNOGEN	IMGN
Incyte	INCY
Ingersoll-Rand Inc	IR
Ingredion	INGR
Inovio pPharmaceuticals	INO
Inphi	IPHI
Insulet	PODD
Integrated Device Technology	IDTI
Intel	INTC
Intercept Pharmaceuticals	ICPT
Intercontinental Exchange, Inc.	ICE

International Business Machines	IBM
International Flavors & Fragrances	IFF
International Paper	IP
Interpublic Group Companies	IPG
Intuit	INTU
Intuitive Surgical	ISRG
Invacare	IVC
Invitation Homes	INVH
Ionis Pharmaceuticals	IONS
IPG Photonics	IPGP
IQVIA Holdings	IQV
Iron Mountain	IRM
Ironwood Pharmaceuticals	IRWD
iStar Financial	STAR
Itron Inc	ITRI
j2 Global	JCOM
Jabil	JBL
Jack Henry & Associates	JKHY
Japan Bank for International Cooperation	JBIC
JB Hunt Transport Services	JBHT
JD.com	JD
Jefferies Financial Group	JEF
Jetblue Airways	JBLU
Johnson & Johnson	JNJ
Jones Lang Lasalle	JLL
JPMorgan Chase & Co.	JPM
Juniper Networks	JNPR
K12 Inc	LRN
Kaman	KAMN
Kansas City Southern	KSU
KB Home	KBH
Kellogg	K
Kemper	KMPR
Kennametal	KMT
KeyCorp	KEY
Keysight Technologies	KEYS
Kilroy Realty	KRC
Kimberly-Clark	KMB

Kimco Realty	KIM
Kinder Morgan	KMI
KKR & Co	KKR
KLA	KLAC
Knight-Swift Transportation	KNX
Knowles	KN
Kohl's	KSS
Kraft Heinz	KHC
Kroger	KR
L Brands	LB
L3 Technologies	LLL
L3Harris Technologies	HRS
Laboratory Corporation of America Holdings	LH
Lam Research	LRCX
Lamar Advertising	LAMR
Lamb Weston Holdings	LW
Laredo Petroleum	LPI
Las Vegas Sands	LVS
Laureate Education Inc	LAUR
Lear	LEA
Legg Mason	LM
Leggett & Platt	LEG
Leidos Holdings	LDOS
Lennar	LEN
Lennox International	LII
Levi Strauss & Co	LEVI
Lexington Realty Trust	LXP
Liberty Broadband	LBRDA
Liberty Media cor-siriusxm C	LSXMA
LIBERTY MEDIA CORPORATION	FWONA
Liberty Property Trust	LPT
Lincoln Electric Holdings Inc	LECO
Lincoln National	LNC
Live Nation Entertainment	LYV
Livongo Health	LVGO
LKQ	LKQ
Loews	L
Lowe's Companies	LOW

Lubrizol	LZ
Lululemon Athletica	LULU
Lyft	LYFT
M/I Homes	MHO
M&T Bank	MTB
Mack Cali Realty	CLI
Macquarie Infrastructure	MIC
Macy's	M
Magellan Midstream Partners	MMP
ManpowerGroup	MAN
Marathon Oil	MRO
Marathon Petroleum	MPC
Markel Corporation	MKL
MarketAxess	MKTX
Marriott International	MAR
Marsh & McLennan	MMC
Martin Marietta Materials	MLM
Masco	MAS
Masimo Corp	MASI
Mastec Inc	MTZ
MasterCard	MA
Match Group	MTCH
Mattel	MAT
Maxar Technologies	MAXR
Maxim Integrated Products	MXIM
McCormick & Co	MKC
McDonald's	MCD
McKesson	MCK
MDU Resources Group	MDU
Medical Properties Trust Inc	MPW
Medicines Company	MDCO
Mednax	MD
Melco Resorts & Entertainment	MLCO
Mercadolibre	MELI
Merck & Company	MRK
Meritage	MTH
Meritor	MTOR
Merrimack Pharmaceuticals	MACK

MetLife	MET
Mettler-Toledo	MTD
MGM Resorts International	MGM
Microchip Technology	MCHP
Micron Technology	MU
Microsoft	MSFT
Mid-America Apartments	MAA
Middleby	MIDD
Moderna	MRNA
Mohawk Industries	MHK
Molina Healthcare	MOH
Molson Coors	TAP
Mondelez International	MDLZ
MongoDB	MDB
Monolithic Power Systems Inc	MPWR
Monster Beverage	MNST
Moody's	MCO
Morgan Stanley	MS
Motorola Solutions	MSI
Msa Safety Inc	MSA
MSCI	MSCI
Mueller Water Products Inc	MWA
Murphy Oil	MUR
Nasdaq OMX	NDAQ
National Fuel Gas	NFG
National Oilwell Varco	NOV
National Retail Properties	NNN
Nationwide Financial Services	NFS
Navient Corporation	NAVI
Navistar International	NAV
Nektar Therapeutics	NKTR
NetApp	NTAP
NetEase	NTES
Netflix	NFLX
Neurocrine Biosciences	NBIX
NEVRO	NVRO
New Oriental Education & Technology Group	EDU
New York Community Bancorp	NYCB

Newell Brands	NWL
Newfield Exploration	NFX
Newmont	NEM
Newpark Resources	NR
News Corporation	NWSA
NextEra Energy	NEE
Nextera Energy Partners Lp	NEP
Nike	NKE
NiSource	NI
Noble Energy	NBL
Nordson Corp	NDSN
Nordstrom	JWN
Norfolk Southern	NSC
Northern Trust	NTRS
NorthWestern Corporation	NWE
NortonLifeLock Inc.	NLOK
NRG Energy	NRG
Nu Skin Enterprises Inc	NUS
Nuance Communications	NUAN
Nucor	NUE
Nuvasive	NUVA
NV Energy	NVE
Nvidia	NVDA
NVR	NVR
O Reilly Automotive	ORLY
Oasis Petroleum	OAS
Occidental Petroleum	OXY
Oceaneering International	OII
OGE Energy	OGE
Okta	OKTA
Old Dominion Freight Line	ODFL
Old Republic International	ORI
Omega Healthcare Investors	OHI
Omnicom Group	OMC
ON Semiconductor	ON
ONE Gas	OGS
OneMain Holdings	OMF
ONEOK	OKE

Oracle	ORCL
Ormat Technologies Inc	ORA
Orthopediatrics Corp	KIDS
Otis Worldwide Corp-w/i	OTIS
Outfront media	OUT
Owens & Minor	OMI
Owens Corning	OC
Owens-Illinois	OI
Paccar	PCAR
Pacificorp	PPW
Pacira Biosciences	PCRX
Packaging Corporation of America	PKG
Palo Alto Networks	PANW
Park Hotels & Resorts	PK
Parker Drilling	PKD
Parker-Hannifin	PH
Parsley Energy	PE
Pattern Energy Group	PEGI
Paychex	PAYX
Paycom Software	PAYC
PayPal Holdings	PYPL
PDC Energy	PDCE
Peloton Interactive Inc	PTON
People's United Financial	PBCT
PepsiCo	PEP
PerkinElmer	PKI
Perspecta	PRSP
Pfizer	PFE
PG & E	PCG
Philip Morris International	PM
Phillips 66	PSX
Piedmont Office Realty Trust	PDM
Pinnacle Entertainment	PNK
Pinnacle West Capital	PNW
Pinterest Inc- class A	PINS
Pioneer Natural Resources	PXD
Pitney Bowes	PBI
Plains All American Pipeline	PAA

Plains GP Holdings	PAGP
Platform Specialty Products	ESI
Plug Power Inc	PLUG
PNC Financial Services Group	PNC
Polaris	PII
Portland General Electric	POR
Post Holdings	POST
PPG Industries	PPG
PPL Corporation	PPL
PRA Group	PRAA
Precision Castparts	PCP
Primerica	PRI
Principal Financial Group	PFG
ProAssurance Corporation	PRA
Procter & Gamble	PG
Prologis	PLD
Proofpoint	PFPT
PROS Holdings	PRO
Prospect Capital	PSEC
Prudential Financial	PRU
PTC	PTC
Ptc Therapeutics Inc	PTCT
Public Service Enterprise Group	PEG
Public Storage	PSA
Puget Energy	PSD
Pulte Group	PHM
PVH	PVH
Pyxus International	PYX
QEP Resources	QEP
Qorvo	QRVO
Qualcomm	QCOM
Qualys Inc	QLYS
Quanta Services	PWR
Quest Diagnostics	DGX
Quidel	QDEL
Qurate Retail Group	QRTEA
QVC	QVCN
R R Donnelley & Sons	RRD

Rackspace Hosting	RAX
Ralph Lauren	RL
Rambus	RMBS
Range Resources	RRC
Raymond James Financial	RJF
Raytheon	RTX
Realogy Holdings	RLGY
Realty Income	O
Red Hat	RHT
Redwood Trust	RWT
Regency Centers	REG
Regeneron Pharmaceuticals	REGN
Regions Financial	RF
Reinsurance Group Of America	RGA
Reliance Steel & Aluminum	RS
Republic Services	RSG
Resideo Technologies	REZI
ResMed	RMD
RH	RH
RingCentral	RNG
Robert Half International	RHI
Rockwell Automation	ROK
Roku	ROKU
Rollins	ROL
Roper Technologies	ROP
Ross Stores	ROST
Royal Gold	RGLD
RPM International	RPM
Ryder System	R
S&P Global	SPGI
Sabre	SABR
SAGE Therapeutics	SAGE
Salesforce.com	CRM
Sally Beauty Holdings	SBH
Santander Consumer USA Holdings	SC
Sarepta Therapeutics	SRPT
SBA Communications	SBAC
Schulman	SHLM

Scientific Games	SGMS
SEACOR Holdings	CKH
Sealed Air	SEE
Seattle Genetics	SGEN
SEI Investments Company	SEIC
Sempra Energy	SRE
ServiceNow	NOW
Sherwin-Williams	SHW
Signature Bank	SBNY
Silicon Laboratories	SLAB
Simon Property Group	SPG
Sinclair Broadcast Group	SBGI
Sirius XM Holdings	SIRI
SITE Centers	SITC
Sjw Group	SJW
Skechers Usa Inc	SKX
Skyworks Solutions	SWKS
SL Green Realty	SLG
Slack Technologies Inc- cl A	WORK
SLM Corporation	SLM
SM Energy	SM
Snap	SNAP
Snap-On	SNA
Solaredge Technologies Inc	SEDG
Sonoco Products	SON
Southern Company	SO
Southwest Airlines	LUV
Southwest Gas	SWX
Southwestern Energy	SWN
Spectrum Brands Holdings	SPB
Spire	SR
Spirit Aerosystems	SPR
Spirit Airlines	SAVE
Spirit Realty Capital	SRC
Splunk	SPLK
Sprint	S
Sprouts Farmers Market Inc	SFM
Square	SQ

SS&C Technologies	SSNC
Stanley Black & Decker	SWK
Staples	SPLS
Starbucks	SBUX
State Street	STT
Steel Dynamics	STLD
Steelcase	SCS
Stericycle	SRCL
Stifel Financial	SF
Stryker	SYK
Sun Communities	SUI
Sunpower	SPWR
Sunrun Inc	RUN
SunTrust Banks	STI
SVB Financial	SIVB
Synaptics	SYNA
Synchrony Financial	SYF
Synopsys	SNPS
Sysco	SY Y
T-Mobile US	TMUS
T.Rowe Price Group	TROW
Tableau Software	DATA
Take-Two Interactive	TTWO
Tal Education Group	TAL
Tanger Factory Outlet	SKT
Tapestry	TPR
Targa Resources	TRGP
Target	TGT
TC PipeLines	TCP
TD Ameritrade Holding	AMTD
Tegna	TGNA
Teladoc Health Inc	TDOC
Teledyne Technologies	TDY
Teleflex	TFX
Tencent Music Entertainment	TME
Tenet Healthcare	THC
Teradata Corp	TDC
Teradyne	TER

TerraForm Power	TERP
Tesaro	TSRO
Tesla	TSLA
Tetra Tech Inc	TTEK
Teva Pharmaceutical-sp Adr	TEVA
Texas Instruments	TXN
The Bank of New York Mellon Corporation	BK
The Chemours Company	CC
The Coca-Cola Company	KO
The Cooper Companies	COO
The Hershey Company	HSY
The J.M. Smucker Company	SJM
The Macerich Company	MAC
The Michaels Companies	MIK
The Mosaic Company	MOS
The Progressive Corporation	PGR
The Travelers Companies	TRV
The Walt Disney Company	DIS
Thermo Fisher Scientific	TMO
Tiffany & Co.	TIF
Timken	TKR
Titan International	TWI
Tivo	TIVO
TJX Companies	TJX
Toll Brothers	TOL
Tractor Supply Company	TSCO
Trade Desk Inc/the -class A	TTD
Tradeweb Markets Inc-class A	TW
TransDigm Group	TDG
TransUnion	TRU
Treehouse Foods Inc	THS
Tribune	TRCO
Trimble	TRMB
Trinity Industries	TRN
Tripadvisor	TRIP
TTM Technologies	TTMI
Tupperware Brands	TUP
Tutor Perini	TPC

Twenty-First Century Fox	TFCFA
Twilio	TWLO
Twitter	TWTR
Tyler Technologies	TYL
Tyson Foods	TSN
Uber Technologies	UBER
UDR	UDR
UGI Corporation	UGI
Ulta Beauty	ULTA
Ultragenyx Pharmaceutical In	RARE
Under Armour	UAA
Union Pacific	UNP
Unisys	UIS
United Airlines Holdings	UAL
United Parcel Service	UPS
United Rentals	URI
United States Steel	X
United Therapeutics	UTHR
UnitedHealth Group	UNH
Universal Display	OLED
Universal Health Services	UHS
Unum Group	UNM
US Bancorp	USB
Vail Resorts	MTN
Valero Energy	VLO
Valmont Industries	VMI
Varian Medical Systems	VAR
Vector Group	VGR
Veeva Systems	VEEV
Ventas	VTR
Veon	VEON
Veoneer	VNE
VEREIT	VER
Verint Systems	VRNT
VeriSign	VRSN
Verisk Analytics	VRSK
Verizon Communications	VZ
Vertex Pharmaceuticals	VRTX

VF	VFC
Viacom	VIAB
Viavi Solutions	VIAV
Vici Properties Inc	VICI
Vipshop Holdings	VIPS
Vir Biotechnology	VIR
Visa	V
Vistra Energy	VST
Vitamin Shoppe	VSI
VMware	VMW
Vornado Realty Trust	VNO
Voya Financial	VOYA
Vulcan Materials	VMC
W. P. Carey	WPC
WABCO Holdings	WBC
Wabtec	WAB
Walgreens Boots Alliance	WBA
Walmart	WMT
Washington Real Estate Investment Trust	WRE
Waste Management	WM
Waters Corporation	WAT
Watts Water Technologies	WTS
Wayfair Inc- Class A	W
Web.com Group	WEB
WEC Energy Group	WEC
Weibo	WB
Weingarten Realty Investors	WRI
Welbilt	WBT
WellCare Health Plans	WCG
Welltower	WELL
West Corporation	WSTC
West Pharmaceutical Services	WST
Western Digital	WDC
Western Union	WU
Westlake Chemical	WLK
WestRock	RKT
Weyerhaeuser	WY
Whirlpool	WHR

Whiting Petroleum	WLL
Williams Companies	WMB
Windstream Holdings	WINMQ
WMIH Corp.	NSM
Workday	WDAY
WPX Energy	WPX
WR Berkley	WRB
WR Grace & Co.	GRA
WW Grainger	GWW
Wyndham Destinations	WYND
Wyndham Hotels & Resorts	WH
Wynn Resorts	WYNN
Xcel Energy	XEL
Xerox	XRX
Xilinx	XLNX
XPO Logistics	XPO
Xylem	XYL
Yum China Holdings	YUMC
Yum! Brands	YUM
YY	YY
Zayo Group Holdings	ZAYO
Zebra Technologies	ZBRA
Zhaopin	ZPIN
Ziggo	ZIGGO
Zillow Group	ZG
Zimmer Biomet Holdings	ZBH
Zions Bancorp	ZION
Zoetis	ZTS
Zoom Video Communications-A	ZM