

Reconstitution

Russell 3000® Index - Deletions

Company	Symbol	Industry
1STDIBS.COM	DIBS	Technology
22ND CENTURY GROUP INC	XXII	Consumer Staples
A K A BRANDS HOLDING	AKA	Consumer Discretionary
ABCELLERA BIOLOGICS	ABCL	Health Care
ABSCI	ABSI	Health Care
ADTHEORENT HOLDING COMP	ADTH	Technology
AEMETIS	AMTX	Energy
AEYE INC	LIDR	Industrials
AFFIMED NV	AFMD	Health Care
ALPHA TEKNOVA	TKNO	Health Care
ALTICE USA	ATUS	Telecommunications
ALTO INGREDIENTS INC	ALTO	Basic Materials
AMER PUBLIC EDUCATION	APEI	Consumer Discretionary
AN2 THERAPEUTICS	ANTX	Health Care
APPHARVEST INC	APPH	Consumer Staples
ARENA GROUP HOLDINGS INC	AREN	Technology
ARTERIS	AIP	Technology
ASHFORD HOSPITALITY	AHT	Real Estate
ASSOCIATED CAPITAL GROUP	AC	Financials
ASTRA SPACE INC	ASTR	Industrials
ATERIAN INC	ATER	Consumer Discretionary
ATHIRA PHARMA	ATHA	Health Care
ATI PHYSICAL THERAPY (A)	ATIP	Health Care
AXT INC	AXTI	Technology
BATTALION OIL CORP	BATL	Energy
BIONANO GENOMICS INC	BNGO	Health Care
BIOVENTUS	BVS	Health Care
BIRD GLOBAL INC (A)	BRDS	Consumer Discretionary
BLEND LABS	BLND	Technology
BLUEROCK HOMES TRUST INC	BHM	Real Estate
BRADY CORP	BRC	Industrials
BRIGHT HEALTH GROUP	BHG	Health Care
C4 THERAPEUTICS	CCCC	Health Care
CAESARSTONE LTD	CSTE	Industrials
CANOO INC (A)	GOEV	Consumer Discretionary
CASA SYSTEMS INC	CASA	Telecommunications
CELULARITY INC (A)	CELU	Health Care
CENNTRO ELECTRIC GROUP	CENN	Consumer Discretionary
CEPTON INC (A)	CPTN	Industrials
CHIMERIX INC	CMRX	Health Care
CISO GLOBAL INC	CISO	Industrials
CITI TRENDS INC	CTRN	Consumer Discretionary
CLOVER HEALTH INVEST (A)	CLOV	Health Care
CONNS INC	CONN	Consumer Discretionary
COPA HOLDINGS SA	CPA	Consumer Discretionary
CTI BIOPHARMA CORP	CTIC	Health Care
CUE HEALTH	HLTH	Health Care
CUMULUS MEDIA INC	CMLS	Consumer Discretionary
CURO GROUP HOLDINGS CORP	CURO	Financials

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DELL TECHNOLOGIES	DELL	Technology
DOMA HOLDINGS (A)	DOMA	Financials
EDGIO INC	EGIO	Technology
EIGER BIOPHARMACEUTICALS	EIGR	Health Care
EIGHTCO HOLDINGS INC	OCTO	Technology
ENOCHIAN BIOSCIENCES	ENOB	Health Care
ERIE INDEMNITY CO	ERIE	Financials
ERMENEGILDO ZENGA NV (A)	ZGN	Consumer Discretionary
ESPERION THERAPEUTICS	ESPR	Health Care
EXPRESS INC	EXPR	Consumer Discretionary
EZCORP INC	EZPW	Financials
F45 TRAINING HOLDINGS	FXLV	Consumer Discretionary
FARADAY FUTURE INTEL	FFIE	Consumer Discretionary
FATHOM DIGITAL CORP (A)	FATH	Industrials
FEDERATED HERMES INC	FHI	Financials
FIRST GUARANTY BANCSHARE	FGBI	Financials
FIRST INTERNET BANCORP	INBK	Financials
FOCUS UNIVERSAL INC	FCUV	Consumer Discretionary
FRANKLIN STREET PPTYS CO	FSP	Real Estate
FRONTLINE LTD	FRO	Industrials
FULCRUM THERAPEUTICS INC	FULC	Health Care
GENEDX HOLDINGS CORP (A)	WGS	Health Care
GOSSAMER BIO	GOSS	Health Care
GREENIDGE GENERATION INC	GREE	Technology
GREENLIGHT BIOSCIENC (A)	GRNA	Health Care
GROUPON INC	GRPN	Technology
HELIOGEN INC (A)	HLGN	Energy
HONEST COMPANY	HNST	Consumer Staples
HYCROFT MINING (A)	HYMC	Basic Materials
HYDROFARM HOLDINGS	HYFM	Industrials
HYZON MOTORS INC (A)	HYZN	Industrials
IDENTIV INC	INVE	Technology
INDUSTRIAL LOGISTICS	ILPT	Real Estate
INNOVID CORP (A)	CTV	Technology
INOTIV INC	NOTV	Health Care
INOVIO PHARMACEUTICALS	INO	Health Care
INSEGO CORP	INSG	Telecommunications
INSPIRATO INC (A)	ISPO	Consumer Discretionary
INSTIL BIO	TIL	Health Care
INVIVYD INC	IVVD	Health Care
IRONNET INC (A)	IRNT	Technology
JOANN	JOAN	Consumer Discretionary
KALEYRA INC	KLR	Telecommunications
KINNATE BIOPHARMA	KNTE	Health Care
KORE GROUP HOLDINGS (A)	KORE	Technology
KRONOS BIO	KRON	Health Care
LATCH INC (A)	LTCH	Industrials
LEAFLY HOLDINGS INC	LFLY	Technology
LIFECORE BIOMEDICAL INC	LFCR	Consumer Staples

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LIFETIME BRANDS INC	LCUT	Consumer Discretionary
LIGHTNING EMOTORS INC	ZEV	Industrials
LL FLOORING HOLDINGS INC	LL	Consumer Discretionary
LOCAL BOUNTI CORP (A)	LOCL	Consumer Staples
LORDSTOWN MOTORS CRP (A)	RIDE	Consumer Discretionary
LULUS FASHION LOUNGE HOL	LVLU	Consumer Discretionary
MARKFORGED HC (A)	MKFG	Industrials
MOMENTUS INC (A)	MNTS	Industrials
MONEYLION INC (A)	ML	Industrials
MOTORCAR PTS AMERICA INC	MPAA	Consumer Discretionary
MULLEN AUTOMOTIVE INC	MULN	Consumer Discretionary
NEKTAR THERAPEUTICS	NKTR	Health Care
NEOGAMES	NGMS	Consumer Discretionary
NUTEX HEALTH	NUTX	Technology
OCUGEN INC	OCGN	Health Care
OFFERPAD SOLUTIONS (A)	OPAD	Real Estate
ONDAS HOLDINGS	ONDS	Consumer Discretionary
OPORTUN FINANCIAL	OPRT	Financials
OPPENHEIMER HOLDINGS INC	OPY	Financials
OUSTER INC (A)	OUST	Technology
OWLET INC (A)	OWLT	Consumer Discretionary
PARDES BIOSCIENCES (A)	PRDS	Health Care
PFSWEB INC	PFSW	Industrials
PHENOMEX INC	CELL	Health Care
PLBY GROUP INC	PLBY	Consumer Staples
PORCH GROUP INC (A)	PRCH	Technology
PRAXIS PRECISION MEDICIN	PRAX	Health Care
PROVIDENT BANCORP INC	PVBC	Financials
QURATE RETAIL INC	QRTEA	Consumer Discretionary
RELMADA THERAPEUTICS	RLMD	Health Care
REPUBLIC FIRST BANCORP	FRBK	Financials
RIGETTI COMPUTING (A)	RGTI	Technology
RITE AID CORP	RAD	Consumer Staples
ROOT	ROOT	Financials
RUMBLEON INC	RMBL	Consumer Discretionary
SARCOS TECH AND ROBO (A)	STRC	Industrials
SCIENCE 37 HOLDINGS INC	SNCE	Health Care
SECUREWORKS CORP	SCWX	Technology
SENSEONICS HOLDINGS INC	SENS	Health Care
SINGULAR GENOMICS SYSTEM	OMIC	Health Care
SKILLZ INC (A)	SKLZ	Technology
SONDER HOLDINGS INC	SOND	Consumer Discretionary
SPIRE GLOBAL INC (A)	SPIR	Industrials
SUNLIGHT FINL HLDGS (A)	SUNL	Financials
SUPERIOR GROUP OF CO	SGC	Consumer Discretionary
TALARIS THERAPEUTICS	TALS	Health Care
TATTOOED CHEF INC (A)	TTCF	Consumer Staples
TELOS	TLS	Technology
TENON MEDICAL INC	TNON	Health Care

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Company	Symbol	Industry
THE BEACHBODY COMP (A)	BODY	Technology
THE CONTAINER STORE GRP	TCS	Consumer Discretionary
THE ONCOLOGY INC (A)	TOI	Health Care
THE REALREAL INC	REAL	Consumer Discretionary
TOOTSIE ROLL INDUSTRIES	TR	Consumer Staples
TUPPERWARE BRANDS CORP	TUP	Consumer Discretionary
UNIFI INC	UFI	Basic Materials
UNITED STATES CELLULAR	USM	Telecommunications
UNIVERSAL ELECTRONICS	UEIC	Consumer Discretionary
UPLAND SOFTWARE INC	UPLD	Technology
UR ENERGY	URG	Basic Materials
VACASA INC (A)	VCSA	Consumer Discretionary
VAXART INC	VXRT	Health Care
VBI VACCINES INC	VBIV	Health Care
VERU INC	VERU	Consumer Staples
VIA RENEWABLES INC	VIA	Utilities
VIEW INC (A)	VIEW	Industrials
VINCO VENTURES INC	BBIG	Technology
VINTAGE WINE ESTATES INC	VWE	Consumer Staples
VISTAGEN THERAPEUTICS	VTGN	Health Care
WEWORK INC (A)	WE	Real Estate
WHEELS UP EXP INC	UP	Consumer Discretionary
WHOLE EARTH BRANDS (A)	FREE	Consumer Staples
WIX LTD	WIX	Technology
WM TECHNOLOGY INC (A)	MAPS	Technology
XOS INC (A)	XOS	Industrials

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