

Reconstitution

Russell 3000® Index - Deletions

Company	Symbol	Sector
ABEONA THERAPEUTICS INC	ABEO	Health Care
ACCURIDE CORP	ACW	Producer Durables
AEGERION PHARM INC	AEGR	Health Care
AFFIMED NV	AFMD	Health Care
ALIMERA SCIENCES INC	ALIM	Health Care
ALLIANCE HEALTHCARE SVCS	AIQ	Health Care
ALTISOURCE ASSET MGMT	AAMC	Financial Services
ANACOR PHARM INC	ANAC	Health Care
ANTARES PHARMA INC	ATRS	Health Care
APPROACH RESOURCES INC	AREX	Energy
ARALEZ PHARMACEUTICALS	ARLZ	Health Care
ARCADIA BIOSCIENCES INC	RKDA	Consumer Staples
ASHFORD INC	AINC	Financial Services
ASSEMBLY BIOSCIENCES INC	ASMB	Health Care
ATYR PHARMA INC	LIFE	Health Care
BASIC ENERGY SERVICES	BAS	Energy
BEBE STORES INC	BEBE	Consumer Discretionary
BIODELIVERY SCIENCES	BDSI	Health Care
BLACK DIAMOND INC	BDE	Consumer Discretionary
BONANZA CREEK ENER INC	BCEI	Energy
BRAVO BRIO RESTAURANT GR	BBRG	Consumer Discretionary
C&J ENERGY SERVICES LTD	CJES	Energy
CALITHERA BIOSCIENCES	CALA	Health Care
CARBYLAN THERAPEUTICS	CBYL	Health Care
CASCADIAN THERAPEUTICS	CASC	Health Care
CASTLE BRANDS INC	ROX	Consumer Staples
CATABASIS PHARACEUTICALS	CATB	Health Care
CATALYST PHARMACEUTICALS	CPRX	Health Care
CDI CORP	CDI	Producer Durables
CHEROKEE INC	CHKE	Consumer Discretionary
CHIASMA INC	CHMA	Health Care
CHRISTOPHER & BANKS CORP	CBK	Consumer Discretionary
CIBER INC	CBR	Technology
CIVEO CORP	CVEO	Energy
CLOUD PEAK ENERGY INC	CLD	Energy
COMMERCIAL VEH GROUP INC	CVGI	Producer Durables
CONNECTURE INC	CNXR	Technology
CORE MOLDING TECHN	CMT	Materials & Processing
CORIUM INTL INC	CORI	Health Care
CORMEDIX INC	CRMD	Health Care
CTI BIOPHARMA CORP	CTIC	Health Care
CUMULUS MEDIA INC	CMLS	Consumer Discretionary
DICERNA PHARMACEUTICALS	DRNA	Health Care
DIGITAL TURBINE INC	APPS	Technology
EAGLE BULK SHIPPING INC	EGLE	Producer Durables
ENDOCHOICE HOLDINGS INC	GI	Health Care
ENERGY FUELS INC	UUUU	Materials & Processing
ENPHASE ENERGY INC	ENPH	Energy
EVERI HOLDINGS INC	EVRI	Financial Services

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EVINE LIVE INC	EVLV	Consumer Discretionary
FENIX PTS INC	FENX	Consumer Discretionary
FIBROCELL SCIENCE INC	FCSC	Health Care
FIVE STAR QUALITY CARE	FVE	Health Care
FOAMIX PHARMACEUTICALS	FOMX	Health Care
FOSTER L B CO	FSTR	Materials & Processing
GASTAR EXPL INC	GST	Energy
GENOCEA BIOSCIENCES INC	GNCA	Health Care
GOLDEN OCEAN GROUP LTD	GOGL	Producer Durables
GULFMARK OFFSHORE INC	GLF	Producer Durables
HALCON RESOURCES CORP	HK	Energy
HALLADOR ENERGY CO	HNRG	Energy
HARTE HANKS INC	HHS	Consumer Discretionary
HARVARD BIOSCIENCE INC	HBIO	Health Care
IMATION CORP	IMN	Technology
INTERNAP CORPORATION	INAP	Technology
INTREPID POTASH INC	IPI	Materials & Processing
INVUITY INC	IVTY	Health Care
ION GEOPHYSICAL CORP	IO	Energy
JAZZ PHARMACEUTICALS PLC	JAZZ	Health Care
KEY ENERGY SERVICES INC	KEG	Energy
LANTHEUS HOLDINGS INC	LNTH	Health Care
LIVANOVA PLC	LIVN	Health Care
LUXOFT HOLDING INC	LXFT	Technology
MARIN SOFTWARE INC	MRIN	Technology
MAXPOINT INTERACTIVE INC	MXPT	Technology
MODUSLINK GLB SOLUTIONS	MLNK	Technology
MORGANS HOTEL GROUP CO	MHGC	Consumer Discretionary
NAVIDEA BIOPHARMA INC	NAVH	Health Care
NAVIOS MARITIME HOLDINGS	NM	Producer Durables
NIVALIS THERAPEUTICS	NVLS	Health Care
NORDIC AMERICAN OFFSHORE	NAO	Energy
NORTH ATLANTIC DRILLING	NADL	Energy
NORTHWEST BIOTHERAPEUTIC	NWBO	Health Care
NORTHWEST PIPE CO	NWPX	Materials & Processing
NOVATEL WIRELESS INC	MIFI	Technology
NUVECTRA CORPORATION	NVTR	Health Care
ONCOCYTE CORPORATION	OCX	Health Care
OREXIGEN THERAPEUTICS	OREX	Health Care
PAPA MURPHYS HLDGS INC	FRSH	Consumer Discretionary
PENDRELL CORPORATION	PCO	Utilities
PEREGRINE PHARMACEUTICAL	PPHM	Health Care
PERNIX THERAPEUTICS HLDG	PTX	Health Care
PROTEON THERAPEUTICS INC	PRTO	Health Care
QUANTUM CORP	QTM	Technology
RENTECH INC	RTK	Materials & Processing
REX ENERGY CORP	REXX	Energy
ROCKET FUEL INC	FUEL	Technology
SAFE BULKERS INC	SB	Producer Durables

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SEACHANGE INTERNATIONAL	SEAC	Technology
SEASPINE HOLDINGS CORP	SPNE	Health Care
SEKOMYX INC	SNMX	Materials & Processing
SEQUENOM INC	SQNM	Health Care
SIENTRA INC	SIEN	Health Care
SIZMEK INC	SZMK	Consumer Discretionary
SKULLCANDY INC	SKUL	Consumer Discretionary
STERIS PLC	STE	Health Care
STONE ENERGY CORP	SGY	Energy
STONEGATE MORTGAGE CORP	SGM	Financial Services
SYNTA PHARMA CORP	SNTA	Health Care
THRESHOLD PHARMACEUTICAL	THLD	Health Care
TRANSATLANTIC PETROLEUM	TAT	Energy
TRAVELZOO INC	TZOO	Technology
TRIANGLE PETE CORP	TPLM	Energy
TWIN DISC INC	TWIN	Producer Durables
ULTRAPETROL BAHAMAS LTD	ULTR	Producer Durables
UNILIFE CORP	UNIS	Health Care
UNIVERSAL TECHNICAL INST	UTI	Consumer Discretionary
URANIUM ENERGY CORP	UEC	Materials & Processing
VERASTEM INC	VSTM	Health Care
VIOLIN MEMORY INC	VMEM	Technology
VIVUS INC	VVUS	Health Care
VOLT INFORMATION SCIENCE	VISI	Producer Durables
VOXX INTERNATIONAL CORP	VOXX	Consumer Discretionary
WIX LTD	WIX	Technology
XERIUM TECHNOLOGIES INC	XRM	Producer Durables
XOMA CORPORATION	XOMA	Health Care
ZAIS GROUP HLDGS INC	ZAIS	Financial Services
ZEDGE INC	ZDGE	Technology
ZYNERBA PHARMACEUTICALS	ZYNE	Health Care

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