

Motif Human Evolution Index

Index Constituents as of Mar 31, 2019

Company Name	Ticker
3SBIO INC	1530 HK Equity
ABBOTT LABORATORIES	ABT UN Equity
ABCAM PLC	ABC LN Equity
ABIOMED INC	ABMD UW Equity
ACCELERON PHARMA INC	XLRN UQ Equity
ADAPTIMMUNE THERAPEUTICS PLC	ADAP UW Equity
AGIOS PHARMACEUTICALS INC	AGIO UW Equity
AKEBIA THERAPEUTICS INC	AKBA UQ Equity
ALIBABA HEALTH INFORMATION TECHNOLOGY LTD	241 HK Equity
ALIGN TECHNOLOGY INC	ALGN UW Equity
ALLOGENE THERAPEUTICS INC	ALLO UW Equity
ALLSCRIPTS HEALTHCARE SOLUTIONS INC	MDRX UW Equity
AMAG PHARMACEUTICALS INC	AMAG UW Equity
ARRAY BIOPHARMA INC	ARRY UQ Equity
ASTRAZENECA PLC-SPONS ADR	AZN UN Equity
ATARA BIOTHERAPEUTICS INC	ATRA UW Equity
AUDENTES THERAPEUTICS INC	BOLD UQ Equity
AUTOLUS THERAPEUTICS PLC	AUTL UW Equity
BAXTER INTL.	BAX UN Equity
BAYER AG	BAYN GY Equity
BEIGENE LTD-ADR	BGNE UW Equity
BIOGEN INC	BIIB UW Equity
BIOTELEMETRY INC	BEAT UW Equity
BLUEBIRD BIO INC	BLUE UW Equity
BLUEPRINT MEDICINES CORP	BPMC UW Equity
BOSTON SCIENTIFIC CORP	BSX UN Equity
CARA THERAPEUTICS INC	CARA UQ Equity
CELLECTIS SA	CLLS UQ Equity
CERNER CORP	CERN UW Equity
CHARLES RIVER LABORATORIES	CRL UN Equity
CLOVIS ONCOLOGY INC	CLVS UW Equity
COHERUS BIOSCIENCES INC	CHRS UQ Equity
CONMED CORP	CNMD UW Equity
CRISPR THERAPEUTICS AG	CRSP UQ Equity
CYTOMX THERAPEUTICS INC	CTMX UW Equity
DAIICHI SANKYO CO LTD ORD	4568 JT Equity
DAVITA INC	DVA UN Equity
DEXCOM INC	DXCM UW Equity
DYNAVAX TECHNOLOGIES CORP	DVAX UR Equity
EDITAS MEDICINE INC	EDIT UW Equity
EDWARDS LIFESCIENCES CORP	EW UN Equity
EMIS GROUP PLC	EMIS LN Equity
EXELIXIS INC	EXEL UW Equity

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FATE THERAPEUTICS INC	FATE UQ Equity
FIBROGEN INC	FGEN UW Equity
FRESENIUS MEDICAL CARE AG & CO KGAA	FME GY Equity
G1 THERAPEUTICS INC	GTHX UW Equity
GENSCRIPT BIOTECH CORP	1548 HK Equity
GENUS PLC	GNS LN Equity
GILEAD SCIENCES INC	GILD UW Equity
GLAXOSMITHKLINE PLC	GSK LN Equity
GUARDANT HEALTH INC	GH UW Equity
HCA HEALTHCARE INC	HCA UN Equity
HENRY SCHEIN INC	HSIC UW Equity
HOMOLOGY MEDICINES INC	FIXX UW Equity
HORIZON PHARMA PLC	HZNP UW Equity
HUTCHISON CHINA MEDITECH-ADR	HCM UW Equity
ICON PLC	ICLR UW Equity
ILLUMINA INC	ILMN UW Equity
INCYTE CORP	INCY UW Equity
INOVALON HOLDINGS INC	INOV UW Equity
INSULET CORP	PODD UW Equity
INTEGER HOLDINGS CORP	ITGR UN Equity
INTELLIA THERAPEUTICS INC	NTLA UQ Equity
INTUITIVE SURGICAL INC	ISRG UW Equity
IONIS PHARMACEUTICALS INC	IONS UW Equity
IOVANCE BIOTHERAPEUTICS INC	IOVA UQ Equity
IRHYTHM TECHNOLOGIES INC	IRTC UW Equity
JOHNSON & JOHNSON	JNJ UN Equity
KARYOPHARM THERAPEUTICS INC	KPTI UW Equity
LABORATORY CRP OF AMER HLDGS	LH UN Equity
LIVANOVA PLC	LIVN UW Equity
MACROGENICS INC	MGNX UW Equity
MCKESSON CORP	MCK UN Equity
MEDTRONIC PLC	MDT UN Equity
MERCK KGAA	MRK GY Equity
MERIT MEDICAL SYSTEMS INC	MMSI UW Equity
MICROPORT SCIENTIFIC CORP	853 HK Equity
MIRATI THERAPEUTICS INC	MRTX UW Equity
MORPHOSYS AG	MOR GY Equity
MYRIAD GENETICS INC	MYGN UW Equity
NATERA INC	NTRA UW Equity
NEKTAR THERAPEUTICS	NKTR UW Equity
NEOGENOMICS INC	NEO UR Equity
NEXTGEN HEALTHCARE INC	NXGN UW Equity
NICHI-IKO PHARMACEUTICAL CO	4541 JT Equity
NORITSU KOKI CO LTD	7744 JT Equity

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NOVARTIS AG	NOVN SE Equity
NOVOCURE LTD	NVCR UW Equity
OPKO HEALTH INC	OPK UW Equity
PROQR THERAPEUTICS NV	PRQR UQ Equity
QIAGEN NV	QGEN UN Equity
QUEST DIAGNOSTICS INC	DGX UN Equity
REATA PHARMACEUTICALS INC-A	RETA UQ Equity
REGENERON PHARMACEUTICALS	REGN UW Equity
REGENXBIO INC	RGNX UW Equity
RHYTHM PHARMACEUTICALS INC	RYTM UQ Equity
ROCHE HOLDING AG	ROG SE Equity
ROCKET PHARMACEUTICALS INC	RCKT UQ Equity
ROYAL PHILIPS NV	PHIA NA Equity
RUBIUS THERAPEUTICS INC	RUBY UW Equity
SANGAMO THERAPEUTICS INC	SGMO UW Equity
SANOFI SA	SAN FP Equity
SAREPTA THERAPEUTICS INC	SRPT UW Equity
SEATTLE GENETICS INC	SGEN UW Equity
SMITH & NEPHEW PLC	SN/ LN Equity
SPARK THERAPEUTICS INC	ONCE UW Equity
STERIS PLC	STE UN Equity
STRYKER CORP	SYK UN Equity
SURMODICS INC	SRDX UW Equity
TAKARA BIO INC	4974 JT Equity
TAKARA HOLDINGS (TAKARA SHUZO) ORD	2531 JT Equity
TELEFLEX INC	TFX UN Equity
THERAVANCE BIOPHARMA INC	TBPH UQ Equity
THERMO FISHER SCIENTIFIC INC	TMO UN Equity
TRANSENERIX INC	TRXC UA Equity
TRICIDA INC	TCDA UW Equity
UNIQUIRE B.V.	QURE UW Equity
UNITEDHEALTH GROUP INC	UNH UN Equity
WAVE LIFE SCIENCES PTE LTD	WVE UQ Equity

An investment in the companies identified by the Motif Human Evolution Index or in financial products linked to such index should only be made after a review of such companies or products, including a review of the risks associated with such companies or products.