Vanguard°

Annual Report | December 31, 2023

Vanguard Institutional Total Stock Market Index Fund

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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Please note: The opinions expressed in this report are just that—informed opinions. They should not be considered promises or advice. Also, please keep in mind that the information and opinions cover the period through the date on the front of this report. Of course, the risks of investing in your fund are spelled out in the prospectus.

Your Fund's Performance at a Glance

- Vanguard Institutional Total Stock Market Index Fund returned 26.05% for both its Institutional Shares and its Institutional Plus Shares for the 12 months ended December 31, 2023.
- The fourth quarter of 2023 was a volatile period for the financial markets. Stocks and bonds continued to lose ground early on amid concerns that interest rates might remain elevated for an extended period. They went on to post strong gains, however, as inflation remained on a downward trend and economic growth softened, leading the markets to anticipate that policy rates had reached their peak and that cuts were likely not too far down the road
- The fund, which offers investors exposure to every segment, size, and style of the U.S. equity market, closely tracked its target index, the CRSP US Total Market Index.
- The majority of the index's 11 sectors recorded positive returns for the 12 months.
 Consumer discretionary, consumer staples, and energy stocks helped performance the most.
- For the 10 years ended December 31, the fund posted average annual returns of 11.47% for Institutional Shares and 11.48% for Institutional Plus Shares.

Market Barometer

	Peri		
Average Annual Tot Periods Ended Decembe One Year Average Annual Tot Periods Ended Decembe One Year Stocks Russell 1000 Index (Large-caps) 26.53% 8.97% Russell 2000 Index (Small-caps) 16.93 2.22 Russell 3000 Index (Broad U.S. market) 25.96 8.54 FTSE All-World ex US Index (International) 15.82 1.98 Bonds Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market) 5.60% -3.33% Bloomberg Municipal Bond Index (Broad tax-exempt market) 6.40 -0.40 FTSE Three-Month U.S. Treasury Bill Index 5.26 2.24 CPI Consumer Price Index 3.35% 5.60%	Five Years		
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
	5.60%	-3.33%	1.17%
	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
СЫ			
Consumer Price Index	3.35%	5.60%	4.07%

About Your Fund's Expenses

As a shareholder of the fund, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a fund's gross income, directly reduce the investment return of the fund.

A fund's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your fund and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your fund's costs in two ways:

• Based on actual fund return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the fund's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the fund. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your fund under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your fund's costs with those of other mutual funds. It assumes that the fund had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the fund's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your fund's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the fund for buying and selling securities. Further, the expenses do not include any purchase, redemption, or account service fees described in the fund prospectus. If such fees were applied to your account, your costs would be higher. Your fund does not carry a "sales load."

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the fund's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your fund's current prospectus.

Six Months Ended December 31, 2023

	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Fund Return			
Institutional Total Stock Market Index Fund			
Institutional Shares	\$1,000.00	\$1,084.70	\$0.16
Institutional Plus Shares	1,000.00	1,084.90	0.11
Based on Hypothetical 5% Yearly Return			
Institutional Total Stock Market Index Fund			
Institutional Shares	\$1,000.00	\$1,025.05	\$0.15
Institutional Plus Shares	1,000.00	1,025.11	0.10

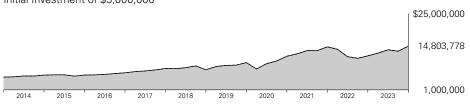
The calculations are based on expenses incurred in the most recent six-month period. The fund's annualized six-month expense ratios for that period are 0.03% for Institutional Shares and 0.02% for Institutional Plus Shares. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

Institutional Total Stock Market Index Fund

Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on fund distributions or on the sale of fund shares.

Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$5,000,000



Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$5,000,000 Investment
Institutional Total Stock Market Index Fund Institutional Shares	26.05%	15.11%	11.47%	\$14,803,778
······ CRSP U.S. Total Market Index	25.98	15.08	11.44	14,772,640
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	14,710,990

	One Year	Five Years	Ten Years	Final Value of a \$100,000,000 Investment
Institutional Total Stock Market Index Fund Institutional Plus Shares	26.05%	15.11%	11.48%	\$296,382,590
CRSP U.S. Total Market Index	25.98	15.08	11.44	295,452,800
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	294,219,800

Fund Allocation

As of December 31, 2023

Basic Materials	2.0%
Consumer Discretionary	14.5
Consumer Staples	4.7
Energy	4.1
Financials	10.8
Health Care	12.0
Industrials	13.1
Real Estate	3.0
Technology	31.1
Telecommunications	2.1
Utilities	2.6
Other	0.0

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

Financial Statements

Schedule of Investments As of December 31, 2023

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
Common Stocks (99.5%)				Westlake Corp.	21,298	2,981
Basic Materials (2.0%)				Huntsman Corp.	114,536	2,878
Linde plc	325,014	133,487		Ashland Inc.	31,089	2,621
Freeport-McMoRan Inc.	963,179	41,003		NewMarket Corp.	4,687	2,558
Air Products and	903,179	41,003		Avient Corp.	61,461	2,555
Chemicals Inc.	148,653	40,701		Carpenter Technology		
Ecolab Inc.	171,817	34,080		Corp.	31,069	2,200
Newmont Corp.	773,149	32,001	*	Livent Corp.	118,775	2,136
Nucor Corp.	164,878	28,695		Innospec Inc.	16,731	2,062
Dow Inc.	470,300	25,791		Quaker Chemical Corp.	8,827	1,884
Fastenal Co.	383,778	24,857		Sensient Technologies		
LyondellBasell	000,770	21,007		Corp.	28,345	1,871
Industries NV Class A	174.214	16.564		Hecla Mining Co.	388,152	1,867
International Flavors &	.,.,	.0,00	*	MP Materials Corp.	92,391	1,834
Fragrances Inc.	171,177	13,860		Materion Corp.	13,913	1,810
Steel Dynamics Inc.	103,195	12,187		Scotts Miracle-Gro Co.	28,203	1,798
Albemarle Corp.	78,301	11,313	*	Uranium Energy Corp.	255,883	1,638
Celanese Corp.	72.668	11,290		Minerals Technologies		
Avery Dennison Corp.	53,724	10,861		Inc.	21,912	1,563
Reliance Steel &	,	-,		Stepan Co.	13,464	1,273
Aluminum Co.	38,422	10,746		Sylvamo Corp.	22,462	1,103
CF Industries Holdings				Tronox Holdings plc	75,701	1,072
Inc.	128,868	10,245		Ingevity Corp.	21,949	1,036
International Paper Co.	233,731	8,449	*	Hawkins Inc.	13,562	955
Mosaic Co.	220,060	7,863		Coeur Mining Inc.	242,472 10,346	790 737
Eastman Chemical Co.	80,169	7,201		Kaiser Aluminum Corp.		737 711
 Cleveland-Cliffs Inc. 	340,047	6,944	*	Koppers Holdings Inc. TimkenSteel Corp.	13,873 30,310	711
United States Steel			*,1		98,692	710
Corp.	133,266	6,483	*	Ecovyst Inc.	70,637	690
 * RBC Bearings Inc. 	19,299	5,498		Ryerson Holding Corp.	18,905	656
Royal Gold Inc.	43,999	5,322		Compass Minerals	10,505	000
FMC Corp.	84,128	5,304		International Inc.	25,886	655
UFP Industries Inc.	39,937	5,014	*	Worthington Steel Inc.	22,188	623
Olin Corp.	83,262	4,492	*	US Silica Holdings Inc.	49,324	558
Hexcel Corp.	56,664	4,179		Mativ Holdings Inc.	36,224	555
Alcoa Corp.	118,127	4,016		AdvanSix Inc.	18,107	542
Commercial Metals Co.	77,634	3,885		Schnitzer Steel	,	
Element Solutions Inc. Timken Co.	155,881	3,607		Industries Inc.		
Boise Cascade Co.	43,168 26,630	3,460 3,445		Class A	15,798	476
Mueller Industries Inc.	73,000	3,442	*,1	LanzaTech Global Inc.	91,249	459
* Valvoline Inc.	87.607	3,292		Haynes International		
Balchem Corp.	22,077	3,292		Ínc.	8,020	458
Chemours Co.	99,070	3,204	*	Clearwater Paper Corp.	12,189	440
Cabot Corp.	36,935	3,084	*	Century Aluminum Co.	35,645	433
Sabot Corp.	00,000	0,004		Olympic Steel Inc.	5,760	384

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
_	Bi I district			_	01: 11 11 11 10:11	Silaies	(\$000)
*	Piedmont Lithium Inc. LSB Industries Inc.	13,023 38,662	368 360		Chipotle Mexican Grill Inc.	18,406	42,094
*	Ur-Energy Inc.	192,102	296	*	Lululemon Athletica	10,400	42,034
	GrafTech International	.02,.02	200		Inc.	77,284	39,515
	Ltd.	130,921	287		Marriott International		
*	Northwest Pipe Co.	7,200	218		Inc. Class A	167,502	37,773
	American Vanguard	10 120	199		O'Reilly Automotive Inc.	20 654	37,674
*	Corp. Rayonier Advanced	18,120	199	*	Airbnb Inc. Class A	39,654 247,865	33,744
	Materials Inc.	44,937	182		General Motors Co.	919,316	33,022
*	American Battery	,			Ford Motor Co.	2,634,886	32,119
	Technology Co.	33,615	158		Ross Stores Inc.	227,082	31,426
	Omega Flex Inc.	2,211	156		Hilton Worldwide		
	Intrepid Potash Inc.	5,697	136		Holdings Inc.	172,280	31,370
*	Universal Stainless &	0.000	100	*	AutoZone Inc.	11,821	30,564
*	Alloy Products Inc. Alto Ingredients Inc.	6,638 44,278	133 118	*	DR Horton Inc. Copart Inc.	189,876 576,795	28,857 28,263
	FutureFuel Corp.	19,183	117		Electronic Arts Inc.	180,400	24,681
	Tredegar Corp.	21,461	116		Yum! Brands Inc.	187,398	24,485
	Friedman Industries Inc.	7,446	115		Lennar Corp. Class A	158,596	23,637
*	Contango ORE Inc.	5,757	104		Estee Lauder Cos. Inc.		
*	NN Inc.	25,826	103		Class A	148,359	21,697
	Northern Technologies			*	Trade Desk Inc. Class A	298,880	21,507
	International Corp.	8,108	96		Dollar General Corp.	147,530	20,057
*	Eastern Co.	4,309	95 01	*	Dollar Tree Inc. Royal Caribbean	140,079	19,898
*	Dakota Gold Corp. Culp Inc.	34,870 10,134	91 59		Cruises Ltd.	145,733	18,871
*	Unifi Inc.	8,861	59	*	Take-Two Interactive	143,733	10,071
*	Glatfelter Corp.	29,576	57		Software Inc.	113,972	18,344
*	Origin Materials Inc.	68,152	57		Delta Air Lines Inc.	432,288	17,391
*	Perma-Pipe			*	Aptiv plc	188,939	16,952
	International Holdings			*	Warner Bros Discovery		
	Inc.	5,795	45		Inc.	1,468,379	16,710
	Ampco-Pittsburgh Corp.	12,799	35		Ulta Beauty Inc.	32,952	16,146
*	US Gold Corp. 5e Advanced Materials	8,013	34		Tractor Supply Co. eBay Inc.	72,734 347,746	15,640 15,169
	Inc.	21,439	30	*	Roblox Corp. Class A	327,315	14,965
*,1	Hycroft Mining Holding	21,100	00		PulteGroup Inc.	144,203	14,885
	Corp.	11,073	27	*	NVR Inc.	2,021	14,148
*	CPS Technologies Corp.	9,761	23	*	Expedia Group Inc.	89,400	13,570
*	Gold Resource Corp.	48,534	18		Garmin Ltd.	103,405	13,292
*	Ascent Industries Co.	1,863	18		Darden Restaurants	00.005	40.047
*	United-Guardian Inc.	2,129	15		Inc.	80,625	13,247
	NioCorp Developments Ltd.	997	3		Genuine Parts Co. Las Vegas Sands Corp.	94,521 256,040	13,091 12,600
	Ltu.	557_		*	Carnival Corp.	674,153	12,499
C	nsumer Discretionary (14	1.40/\	613,281	*	Rivian Automotive Inc.	07.1,100	.2, .00
*	Amazon.com Inc.	6,234,336	947,245		Class A	512,466	12,022
*	Tesla Inc.	1,811,420	450,102	*	Deckers Outdoor Corp.	17,251	11,531
	Home Depot Inc.	666,812	231,084		Southwest Airlines Co.	397,549	11,481
	Costco Wholesale Corp.	296,683	195,835		Omnicom Group Inc.	132,188	11,436
	Walmart Inc.	992,106	156,406	*	Best Buy Co. Inc.	131,305	10,279
	McDonald's Corp.	486,123	144,140		Live Nation Entertainment Inc.	107,749	10,085
*	Netflix Inc.	293,451	142,875	*	DraftKings Inc. Class A	281,790	9,933
	Walt Disney Co.	1,227,483	110,829		Pool Corp.	24,810	9,892
	NIKE Inc. Class B Lowe's Cos. Inc.	820,532 385 252	89,085 85,738		Domino's Pizza Inc.	23,457	9,670
*	Booking Holdings Inc.	385,252 23,384	85,738 82,948	*	United Airlines Holdings	•	
*	Uber Technologies Inc.	1,310,629	80,695		Inc.	218,321	9,008
	Starbucks Corp.	762,020	73,162	*	Liberty Media Corp		
	TJX Cos. Inc.	766,308	71,887		Liberty Formula One Class C	1/1 206	0.006
	Target Corp.	309,271	44,046		Class C	141,386	8,926

Williams-Sonoma Inc. 43,148 8,706 Rollins Inc. 196,306 8,573 Resorts Inc. 55,377 4,453 4,500 Rollins Inc. 177,789 8,497 Meritage Homes Corp. 24,627 4,290 Meritage Homes Cor			Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
Resorts Inc. 196,306 8,573 Resorts Inc. 55,377 4,453		Mariliana - Canana Ina			_	\	01.0100	(4000)
LKC Corp. 17,789 8,497 VF Corp. 232,143 4,384 Meritage Homes Corp. 24,627 4,290							FF 077	4.450
Interpublic Group of Cos. Inc. 25,069 8,391 8,391 Class A 56,346 4,113 Class A 1,124 8,387 Class A 56,346 4,113 Class A 6,124 6,125 Class A 6,124 Class A 6,124 Class A 6,124 Class A 6,125								,
Cos. Inc. 250,089 8,391 Part Fitness Inc. 84,112 RB Global Inc. (XTSE) 122,172 8,172 Thor Industries Inc. 34,158 4,039 Capt Holdings Ltd. 76,720 3,854 Hyat Hotels Corp. 106,247 Hyat Hotels Corp. 183,666 3,695 Inc. Class A 68,134 7,801 Macy's Inc. Class A 68,134 7,801 Macy's Inc. Class A 36,985 There Below Inc. 35,583 7,587 Solutions Inc. Class A 7,147 7,313 Capt Holdings Inc. Class A 8,1610 Class Capt Holdings Inc. Class A 103,109 Class A 103,			177,789	8,497				
Burlington Stores Inc. RB Global Inc. (NTSE) 122,172 8,172 8,172 172 172 172 3,172 34,158 4,039 CarMax Inc. MGM Resorts International Inc. Class A 106,247 8,153 Capri Holdings Ltd. 76,720 3,854 Floor & Decor Holdings Inc. Class A 68,134 7601 Macy's Inc. 183,666 3,695 Five Below Inc. 35,593 7,587 Solutions Inc. 39,186 3,693 Toll Brothers Inc. 71,147 7,313 Corp. 6,992 6,992 Bath & Body Works Inc. 182,778 6,594 Carvana Co. 68,920 3,693 Etsy Inc. 80,599 6,529 Wayfair Inc. Class A 59,009 3,643 Esty Inc. 13,151 6,430 Class C 121,390 3,494 Churchill Downs Inc. 45,150 6,093 Class C 121,390 3,494 Lithia Motors Inc. 18,333 6,097 TKO Group Holdings 10 10 10 10 10 10 10 10			057000	0.001	*		24,627	4,290
Regional Inc. (XTSE) 122,172	_			,			50040	
CarMax Inc. 106,247 8,153 Capri Holdings Ltd. 76,720 3,854 International 172,259 7,697 Class A 3,806 3,806 Flore & Decor Holdings 1nc. Class A 36,134 7,601 Bright Horizons Family 3,666 3,806 Five Below Lores Inc. 35,593 7,587 Solutions Inc. 39,186 3,693 News Corp. Class A 301,034 7,390 Toll Brothers Inc. 152,778 6,594 Carvana Co. 69,016 39,682 Service Corp. 1nternational 94,445 6,472 Liberty Media Corp. Liberty Media Corp. Liberty Sirius XM Churchiil Downs Inc. 45,160 6,093 TKO Group Holdings 42,261 3,448 American Airlines 6,640 TKO Group Holdings 42,261 3,448 Wynn Resorts Ltd. 64,581 5,884 Nexstar Media Group 1nc. 21,399 3,439 Holdings Inc. 46,881 5,991 Nexstar Media Group 1nc. 21,939 3,439 Holdings								
MGM Resorts International 172,259 7,697 Class A 29,184 3,806 Floor & Decor Holdings Inc. Class A 68,134 7,601 Bright Horizons Family Solutions Inc. 183,666 3,895 Five Below Inc. 35,593 7,587 Selective Corp. 68,124 7,601 Bright Horizons Family Solutions Inc. 39,186 3,693 News Corp. Class A 301,034 7,390 Taylor Morrison Home Corp. 68,920 3,681 Etsy Inc. 80,559 6,594 Carvana Co. 68,920 3,681 Service Corp. 137,151 6,430 Class C 121,390 3,494 Casears Entertainment Inc. 137,151 6,430 Class C 121,390 3,494 Churchill Downs Inc. 441,290 6,063 Kro Group Holdings Inc. 42,261 3,448 Buynn Resorts Ltd. 64,581 5,891 Nexstar Media Group Inc. 21,939 3,433 Norwegian Cruise Line Holdings Inc. 287,209 5,766 Alaska Air Group Inc. 85,329 3,345 Norwegian Cruise Line Holding	_							
International 172_259 7,697 Class A 29,184 3,806 New Corp. Class A 301,034 7,390 Toll Brothers Inc. 71,147 7,313 Solutions Inc. 39,186 3,693 Solutions Inc. 39,084 Solutions Inc. 39,186 3,693 Solutions Inc. 39,186 3,693 Solutions Inc. 39,148 Solut	Ţ		106,247	8,153	*		/6,/20	3,854
Floor & Decor Holdings Inc. Class A	~							
Inc. Class A 68.134 7,601 Siright Horizons Family			172,259	7,697			,	
Five Below Inc. 35,593 7,587 Solutions Inc. 39,186 3,693 Toll Brothers Inc. 71,147 7,313 Corp. 69,016 3,682 Corp. 69,016	*	· ·					183,666	3,695
News Corp. Class A 301,034 7,390					*			
Toll Brothers Inc.	*			,			39,186	3,693
Bath & Body Works Inc. 152,778 6,594 Carvana Co. 68,920 3,649					*	,		
Etsy Inc. Service Corp. Service Corp. Crocs Inc. 38,681 3,613		Toll Brothers Inc.	71,147	,			69,016	
Service Corp.		Bath & Body Works Inc.	152,778	6,594	*		68,920	3,649
International 94,545 6,472 Liberty Media Corp. Liberty SiriusXM Class C 121,390 3,494 Class C Cl	*	Etsy Inc.	80,559	6,529	*	Wayfair Inc. Class A	59,009	
Caesars Entertainment Inc. 137,151 6,430 Class C 121,390 3,494		Service Corp.			*	Crocs Inc.	38,681	3,613
Inc. Churchill Downs Inc.		International	94,545	6,472	*	Liberty Media Corp		
Churchill Downs Inc. 45,160 6,093 Inc. American Airlines Group Inc. 441,290 6,063 Inc. 10. Nexstar Media Group Inc. 21,939 3,439 Inc. 23,768 3,427 Inc. 21,939 3,439 Inc. 23,768 3,427 Holdings Inc. 89,881 5,991 Polaris Inc. 35,329 3,348 Wynn Resorts Ltd. 64,581 5,884 Alaska Air Group Inc. 85,613 3,345 Iyft Inc. Class A 221,955 3,327 Holdings Itd. 287,209 5,756 BorgWarner Inc. (XNYS) 157,756 5,656 Outdoors Inc. 152,760 5,623 AutoNation Inc. 22,091 3,318 Tempur Sealy International Inc. 109,978 5,606 Outdoors Inc. Class A 26,7074 3,112 Texas Roadhouse Inc. 44,855 5,483 1. GameStop Corp. Vail Resorts Inc. 25,593 5,463 Class A 172,763 5,166 Fox Corp. Class A 172,763 5,166 Fox Corp. Class A 172,763 5,126 Corp. Class A 172,763 5	*	Caesars Entertainment				Liberty SiriusXM		
* American Airlines Group Inc. 441,290 6,063 Nexstar Media Group Inc. Lithia Motors Inc. 18,333 6,037 Inc. 21,939 3,439 Inc. 21,939 3,445		Inc.	137,151	6,430		Class C	121,390	3,494
American Airlines Inc. 42,261 3,448		Churchill Downs Inc.	45,160	6,093		TKO Group Holdings		
Group Inc.	*	American Airlines					42,261	3,448
Eithia Motors Inc. 18,333 6,037 Inc. 21,939 3,439 B.J's Wholesale Club Holdings Inc. 89,881 5,991 Polaris Inc. 35,229 3,348 Wynn Resorts Ltd. 64,581 5,884 Alaska Air Group Inc. 85,613 3,345 Lyft Inc. Class A 221,955 3,327 Academy Sports & Cutdoors Inc. 62,091 3,318 International Inc. 109,978 5,666 Skechers USA Inc. Class A 88,560 5,521 Lear Corp. 39,084 5,519 Harley-Davidson Inc. 41,616 3,158 Class A 26,000 Inc. 80,745 Academy Sports & Coty Inc. Class A 26,000 Academy Sports & Coty Inc. Class A 176,166 Academy		Group Inc.	441,290	6,063		Nexstar Media Group	,	,
* BJ's Wholesale Club Holdings Inc. 89,881 5,991 Polaris Inc. 33,329 3,348 3,3427 Polaris Inc. 33,329 Holdings Inc. 44,851 5,884 Alaska Air Group Inc. 85,613 3,345 Alaska Air Group Inc. 50,341 3,322 Alaska Air Group Inc. 22,091 3,318 Alaska Air Group Inc. 50,341 3,322 Alaska Air Group Inc. 60,325 Alaska Air Group Inc. 84,416 Alaska Air Group Inc. 84,416 Alaska Air Group Inc. 84,416 Alaska Air Group Inc. 84,747 3,122 Alaska Air Group				6.037			21.939	3.439
Holdings Inc.	*		-,	-,				
Wynn Resorts Ltd.			89 881	5 991				
* Norwegian Cruise Line Holdings Ltd. 287,209 5,756 BorgWarner Inc. (XNYS) 157,756 5,656 Outdoors Inc. 50,341 3,322 Tapestry Inc. 152,760 5,653 * AutoNation Inc. 22,091 3,318 Tempur Sealy International Inc. 109,978 5,606 Olife's Bargain Outlet Holdings Inc. Class A 267,074 3,317 (Lagra Roadhouse Inc. 44,855 5,483 * GameStop Corp. Vail Resorts Inc. 25,593 5,463 Dick's Sporting Goods Inc. 22,860 5,186 Fox Corp. Class A 172,763 5,126 Gentex Corp. 156,637 5,116 * YETI Holdings Inc. 13,582 3,056 Gentex Corp. 156,637 5,116 * YETI Holdings Inc. 57,772 2,991 Gentex Corp. 156,637 5,116 * YETI Holdings Inc. 57,772 2,991 Class A 103,109 5,051 Abercrombie & Fitch U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,855 SiteOne Landscape Supply Inc. 30,114 4,884 Aramark 173,316 4,870 Group 1 St. Duck Group Inc. 8,702 2,652 Murphy USA Inc. 88,544 4,521 Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578				,	*			
Holdings Ltd. 287209 5,756 BorgWarner Inc. (XNYS) 157756 5,656 Outdoors Inc. 50,341 3,322 3,317 International Inc. 109,978 5,666 Olile's Bargain Outlet Holdings Inc. 41,616 3,158 Skechers USA Inc. Holdings Inc. Holdings Inc. 41,616 3,158 Class A 267,074 3,317 International Inc. 109,978 5,606 Olile's Bargain Outlet Holdings Inc. Holdings Inc. 41,616 3,158 Class A 88,560 5,521 Signet Jewelers Ltd. 29,152 3,127 Lear Corp. 39,084 5,519 Harley-Davidson Inc. 84,747 3,122 Ear Corp. 39,084 5,519 Harley-Davidson Inc. 84,747 3,122 Ear Corp. 25,593 5,463 Class A 176,467 3,093 Dick's Sporting Goods Inc. 37,159 5,461 Group Inc. 13,582 3,056 Ear Corp. Class A 172,763 5,126 Group Inc. 13,582 3,056 Ear Corp. 156,637 5,116 Warner Music Group Ear Corp. 156,637 5,116 YETH Holdings Inc. 57,772 2,991 Earley Corp. 156,637 5,116 YETH Holdings Inc. 57,772 2,991 Earley Corp. 156,637 5,161 YETH Holdings Inc. 57,772 2,991 Earley Corp. 156,637 5,161 YETH Holdings Inc. 57,772 2,991 Earley Corp. 156,637 5,161 YETH Holdings Inc. 57,772 2,991 Earley Corp. 156,637 5,161 YETH Holdings Inc. 57,772 2,991 Earley Corp. 45,793 2,867 Earley Corp. 45,793 2,854 Earley Corp. 45,854 4,951 Earley Corp. 45,873 2,661 Earley Corp. 45,873 2,631 Earley Corp. 45,873 2,631 Earley Corp. 45,873 2,631 Earley Corp. 45,873 2,631	*		0.,00.	0,00 .	*			
BorgWarner Inc. (XNYS) 157,756 5,656 Outdoors Inc. 50,341 3,322 Tapestry Inc. 152,760 5,623 AutoNation Inc. 22,091 3,318 Coty Inc. Class A 267,074 3,317 International Inc. 109,978 5,606 Ollie's Bargain Outlet Holdings Inc. 41,616 3,158 Class A 88,560 5,521 Signet Jewelers Ltd. 29,152 3,127 Lear Corp. 39,084 5,519 Harley-Davidson Inc. 84,747 3,122 Texas Roadhouse Inc. 44,855 5,483 *.1 GameStop Corp. Vail Resorts Inc. 25,593 5,463 Class A 176,467 3,093 Dick's Sporting Goods Asbury Automotive Inc. 37,159 5,461 Group Inc. 13,582 3,056 Duolingo Inc. 22,860 5,186 Warner Music Group Corp. Class A 172,763 5,126 Corp. Class A 83,931 3,004 Wingstop Inc. 19,953 5,120 KB Home 47,952 2,995 Gentex Corp. 156,637 5,116 YETI Holdings Inc. 57,772 2,991 Per Inc. 150,467 3,093 2,854 Class A 103,109 5,051 Abercrombie & Fitch 1,294 5,022 Co. Class A 32,027 2,825 Co. Class A 32,027 2,825 Co. Class A 33,094 4,945 Co. Class A 32,027 2,825 Co. Class B 331,835 4,908 Inc. 103,252 2,687 Penn Entertainment Class B 331,835 4,908 Inc. 103,252 2,687 Corp. Landscape Supply Inc. 30,114 4,884 Aramark 173,316 4,870 H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 4,551 Cap Inc. 12,693 2,578 Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578 Co. Class Inc. 121,829 2,578 Co. Class Inc. 121,829 2,578 Co. Class Inc. Co. Cl			287209	5 756			221,000	0,027
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Tempur Sealy					*			
International Inc. 109,978 5,606 * Ollie's Bargain Outlet Holdings Inc. 41,616 3,158			132,700	3,023	*			
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Class A	*		103,370	3,000			41.616	2 150
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Texas Roadhouse Inc. 44,855 5,483 *.1 GameStop Corp. Class A 176,467 3,093 Dick's Sporting Goods Inc. 37,159 5,461 Asbury Automotive 13,582 3,056 Duolingo Inc. 22,860 5,186 Warner Music Group 13,582 3,056 Fox Corp. Class A 172,763 5,126 Corp. Class A 83,931 3,004 Wingstop Inc. 19,953 5,126 KB Home 47,952 2,995 Gentex Corp. 156,637 5,116 YETI Holdings Inc. 57,772 2,991 e.l.f. Beauty Inc. 35,263 5,090 Boyd Gaming Corp. 45,793 2,867 New York Times Co. 71,294 5,022 Co. Class A 32,027 2,825 Light & Wonder Inc. 60,325 4,953 Goodyear Tire & Rubber 70 2,825 PVH Corp. 40,494 4,945 Co. 192,633 2,758 Paramount Global Class B 331,835 4,908 Feducation Inc. 20,194 2,666 * SiteOne								
Vail Resorts Inc. Dick's Sporting Goods Inc. 25,593 5,463 Class A 176,467 3,093 ** Duoling Inc. Fox Corp. Class A 37,159 5,461 Group Inc. Group Inc. 13,582 3,056 ** Duolingo Inc. Fox Corp. Class A 172,763 5,186 Warner Music Group Corp. Class A 83,931 3,004 Wingstop Inc. Gentex Corp. Gentex Corp. H. Beauty Inc. New York Times Co. Class A 19,953 5,120 KB Home 47,952 2,995 Gentex Corp. Gentex Corp. H. Beauty Inc. New York Times Co. Class A 35,263 5,090 Boyd Gaming Corp. RH 9,793 2,867 * U-Haul Holding Co. U-Haul Holding Co. PVH Corp. PVH Corp. VH Corp. VH Corp. VH Corp. VH Corp. SiteOne Landscape Supply Inc. Aramark 4,953 Goodyear Tire & Rubber Co. Grand Canyon 192,633 2,758 * SiteOne Landscape Supply Inc. Aramark 30,114 4,894 Education Inc. Group 1 Automotive 20,194 2,666 H&R Block Inc. H&R Block Inc. Whirlpool Corp. 12,769 4,551 Gap Inc. Hasbro Inc. Whirlpool Corp. 125,006 2,614 * Mattel Inc. 235,929 4,484 Outfitters Inc. 121,829 2,578					* 1		04,747	3,122
Dick's Sporting Goods Inc. 37,159 5,461 Group Inc. 13,582 3,056					, .		176 467	2 002
Inc. 37,159 5,461 Group Inc. 13,582 3,056			20,093	5,463	*		170,407	3,093
Duolingo Inc. 22,860 5,186 Fox Corp. Class A Warner Music Group Amount of Corp. Class A 3,004 Fox Corp. Class A 172,763 5,126 Corp. Class A 83,931 3,004 Wingstop Inc. 19,953 5,120 KB Home 47,952 2,995 Gentex Corp. 156,637 5,116 YETI Holdings Inc. 57,772 2,991 e.l.f. Beauty Inc. 35,263 5,090 Boyd Gaming Corp. 45,793 2,867 New York Times Co. RH 9,793 2,854 Class A 103,109 5,051 Abercrombie & Fitch U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 PVH Corp. 40,494 4,945 Goodyear Tire & Rubber 20,194 2,663 PVH Corp. 40,494 4,945 Inc. 103,252 2,687 ** SiteOne Landscape ** Grand Canyon Education Inc. 20,194 2,666 <td></td> <td></td> <td>27150</td> <td>E 461</td> <td></td> <td></td> <td>12 502</td> <td>2.056</td>			27150	E 461			12 502	2.056
Fox Corp. Class A 172,763 5,126 Corp. Class A 83,931 3,004 Wingstop Inc. 19,953 5,120 KB Home 47,952 2,995 Gentex Corp. 156,637 5,116 YETI Holdings Inc. 57,772 2,991 e.l.f. Beauty Inc. 35,263 5,090 Boyd Gaming Corp. 45,793 2,867 New York Times Co. RH 9,793 2,854 U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 * Light & Wonder Inc. 60,325 4,953 Goodyear Tire & Rubber Co. 192,633 2,758 *Pernamount Global * Penn Entertainment Inc. 103,252 2,687 *SiteOne Landscape * Grand Canyon * Grand Canyon 2,666 *Aramark 173,316 4,870 Group 1 Automotive * R,702 2,652 Murphy USA Inc. 12,769 4,553 * Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614	*						13,302	3,000
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Gentex Corp. 156,637 5,116 * YETI Holdings Inc. 57,772 2,991 * e.l.f. Beauty Inc. 35,263 5,090 Boyd Gaming Corp. 45,793 2,867 New York Times Co. * RH 9,793 2,854 Class A 103,109 5,051 * Abercrombie & Fitch U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 * Light & Wonder Inc. 60,325 4,953 * Goodyear Tire & Rubber 192,633 2,758 *Paramount Global * Penn Entertainment 103,252 2,687 * SiteOne Landscape * Grand Canyon Education Inc. 20,194 2,666 Aramark 173,316 4,870 Group 1 Automotive 1nc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 *1 Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle 121,829 2,578								
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New York Times Co. Class A	*							
Class A 103,109 5,051 * Abercrombie & Fitch U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 Light & Wonder Inc. 60,325 4,953 Goodyear Tire & Rubber 192,633 2,758 Perm Entertainment Class B 331,835 4,908 Inc. 103,252 2,687 SiteOne Landscape Supply Inc. 30,114 4,894 Education Inc. 20,194 2,666 Aramark 173,316 4,870 Group 1 Automotive 4,870 H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 *1 Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578			35,263	5,090	*			
U-Haul Holding Co. 71,294 5,022 Co. Class A 32,027 2,825 Light & Wonder Inc. 60,325 4,953 Goodyear Tire & Rubber PVH Corp. 40,494 4,945 Co. 192,633 2,758 Paramount Global Inc. 103,252 2,687 SiteOne Landscape Supply Inc. 30,114 4,894 Education Inc. 20,194 2,666 Aramark 173,316 4,870 Group 1 Automotive Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578			100 100	E 0E4			9,793	2,854
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Paramount Global Class B 331,835 4,908 Inc. 103,252 2,687	_				-			
Class B 331,835 4,908 Inc. 103,252 2,687 * SiteOne Landscape Supply Inc. 30,114 4,894 Education Inc. 20,194 2,666 Aramark 173,316 4,870 Group 1 Automotive 8,702 2,652 H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 *1 Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578			40,494	4,945			192,633	2,758
* SiteOne Landscape Supply Inc. 30,114 4,894 Education Inc. 20,194 2,666 Aramark 173,316 4,870 Group 1 Automotive H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 *.1 Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578	1				*			
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Aramark 173,316 4,870 Group 1 Automotive Inc. 8,702 2,652 H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 ** Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578	*				*			
H&R Block Inc. 97,458 4,714 Inc. 8,702 2,652 Murphy USA Inc. 12,769 4,553 * Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578							20,194	2,666
Murphy USA Inc. 12,769 4,553 * Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578						Group 1 Automotive		
Murphy USA Inc. 12,769 4,553 *.1 Lucid Group Inc. 624,873 2,631 Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578		H&R Block Inc.	97,458	4,714		Inc.	8,702	2,652
Hasbro Inc. 88,544 4,521 Gap Inc. 125,006 2,614 Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578		Murphy USA Inc.	12,769	4,553	*,1	Lucid Group Inc.	624,873	2,631
Whirlpool Corp. 36,802 4,481 American Eagle * Mattel Inc. 235,929 4,454 Outfitters Inc. 121,829 2,578		Hasbro Inc.	88,544	4,521		Gap Inc.	125,006	2,614
		Whirlpool Corp.	36,802	4,481		American Eagle		
	*	Mattel Inc.	235,929	4,454		Outfitters Inc.	121,829	2,578
					*	Skyline Champion Corp.	34,325	2,549

		Charas	Market Value•			Charas	Market Value•
		Shares	(\$000)			Shares	(\$000)
	Advance Auto Parts Inc.	39,100	2,386	*	PowerSchool Holdings		
*	M/I Homes Inc.	17,187	2,367		Inc. Class A	62,347	1,469
*	Tri Pointe Homes Inc.	66,693	2,361	*	QuantumScape Corp.	209,597	1,457
	Kontoor Brands Inc.	37,688	2,352		Winnebago Industries	40.000	4 450
	Rush Enterprises Inc.				Inc.	19,890	1,450
_	Class A	46,166	2,322	*	Liberty Media Corp		
_	Visteon Corp.	18,420	2,301		Liberty SiriusXM	40.050	
	Lennar Corp. Class B	17,145	2,298	_	Class A	49,253	1,416
_	Wendy's Co.	116,838	2,276	_	Victoria's Secret & Co.	53,300	1,415
-	Madison Square	40 500	0.070	Ĵ	Sonos Inc.	82,428	1,413
	Garden Sports Corp.	12,503	2,273	*	SkyWest Inc.	26,811	1,400
	Leggett & Platt Inc.	86,511	2,264	_	Strategic Education Inc.	14,933	1,379
	Newell Brands Inc.	260,323	2,260		ACV Auctions Inc.	00.040	
	Fox Corp. Class B	80,092	2,215	_	Class A	90,013	1,364
	Endeavor Group	04.000	0.400		Lions Gate		
	Holdings Inc. Class A	91,868	2,180		Entertainment Corp.	100.010	4.050
	Kohl's Corp.	75,429	2,163	_	Class B	132,810	1,353
	Avis Budget Group Inc.	12,081	2,141		Coursera Inc.	68,820	1,333
	Penske Automotive	40.000	0.400		Under Armour Inc.	450 405	4 000
	Group Inc.	13,328	2,139		Class C	159,105	1,329
1	Sirius XM Holdings Inc.	389,372	2,130	*	Topgolf Callaway	00.474	4 000
	MDC Holdings Inc.	38,058	2,103		Brands Corp.	92,471	1,326
	Choice Hotels	40.000			MillerKnoll Inc.	49,480	1,320
	International Inc.	18,328	2,077	*	Peloton Interactive Inc.		
	LCI Industries	16,452	2,068		Class A	214,407	1,306
_	Hilton Grand Vacations	E4 404	0.054		Acushnet Holdings	00.004	4 004
	Inc.	51,131	2,054		Corp.	20,601	1,301
	TEGNA Inc.	133,270	2,039		Atlanta Braves Holdings		4 000
	Foot Locker Inc.	63,724	1,985		Inc. Class C	32,416	1,283
_	Steven Madden Ltd.	46,782	1,965		HNI Corp.	30,591	1,280
Ĵ	Helen of Troy Ltd.	16,213	1,959		Worthington Industries		
-	Fox Factory Holding	07004	4.077		Inc.	22,188	1,277
_	Corp.	27,821	1,877		Dana Inc.	87,173	1,274
-	frontdoor Inc.	53,069	1,869	*	Brinker International		
	Marriott Vacations	04 700	4.050		Inc.	29,436	1,271
_	Worldwide Corp.	21,798	1,850		Laureate Education Inc.	91,483	1,254
	Cavco Industries Inc.	5,327	1,846	*	SeaWorld	00 500	
	Travel & Leisure Co.	46,877	1,832	_	Entertainment Inc.	23,589	1,246
	Red Rock Resorts Inc.	0.4.400	4.040		Liberty Media Corp	00.404	4 000
	Class A	34,103	1,819		Liberty Live Class C	33,131	1,239
	Shake Shack Inc.	04.045	4.000	_	PriceSmart Inc.	16,310	1,236
	Class A	24,315	1,802		ODP Corp.	21,735	1,224
	Carter's Inc.	24,014	1,798		Dave & Buster's	00 001	1 000
	Century Communities	10 470	1 775	*	Entertainment Inc.	22,321	1,202
	Inc.	19,473	1,775	_	JetBlue Airways Corp.	215,814	1,198
	Columbia Sportswear		4 770		Six Flags Entertainment	47740	4 40-
_	Co.	22,289	1,773	_	Corp.	47,710	1,197
_	LGI Homes Inc.	13,277	1,768	*	Central Garden & Pet	07400	
_	Inter Parfums Inc.	11,848	1,706		Co. Class A	27,139	1,195
	Stride Inc.	28,088	1,668		Nordstrom Inc.	63,848	1,178
	Papa John's	04 570	4.045	_	Spirit Airlines Inc.	71,316	1,169
_	International Inc.	21,573	1,645		Gentherm Inc.	22,060	1,155
*	Chewy Inc. Class A	69,227	1,636		Cracker Barrel Old	44.000	4 4 4 5
	Graham Holdings Co.	0.000	1 000		Country Store Inc.	14,823	1,143
	Class B	2,302	1,603	*	Jack in the Box Inc.	13,777	1,125
*	Bloomin' Brands Inc.	56,874	1,601		OPENLANE Inc.	75,934	1,125
*	Boot Barn Holdings Inc.	20,661	1,586	*	Sabre Corp.	252,203	1,110
*	Urban Outfitters Inc.	43,743	1,561	*	Green Brick Partners	04.00.	4 225
*	Dorman Products Inc.	18,497	1,543		Inc.	21,024	1,092
*	TripAdvisor Inc.	68,985	1,485	*	Knowles Corp.	60,853	1,090
	Adtalem Global	25.050	1 477		Cheesecake Factory	00.050	1 00 1
	Education Inc.	25,056	1,477		Inc.	30,958	1,084

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Dutah Bras Inc. Class A			*	Cabara Entertainment	Ondroo	(ФООО)
	Dutch Bros Inc. Class A La-Z-Boy Inc.	34,045 28,402	1,078 1,049		Sphere Entertainment Co.	19,139	650
*	Hanesbrands Inc.	234,173	1,043	*	iRobot Corp.	16,643	644
*	National Vision Holdings	234,173	1,044	*	Figs Inc. Class A	92,472	643
	Inc.	49,678	1,040		Monarch Casino &	32,472	043
	Upbound Group Inc.	30,229	1,040		Resort Inc.	9,218	637
*	Vista Outdoor Inc.	34,552	1,027	*	Everi Holdings Inc.	55,545	626
	Levi Strauss & Co.	34,552	1,022		Monro Inc.		621
		E0 000	001	*		21,155	
*	Class A Cinemark Holdings Inc.	59,902	991	*	Chico's FAS Inc.	81,758	620
	Oxford Industries Inc.	70,182	989		Sweetgreen Inc. Class A	54,727	610
*		9,862	986			,	618
*	PROG Holdings Inc.	31,363	969		Scholastic Corp.	16,286	614
	Udemy Inc.	64,990	957		Golden Entertainment	14.070	E00
*	Phinia Inc.	31,455	953	* 1	Inc.	14,978	598
	Sally Beauty Holdings	71 500	050	, '	Luminar Technologies	100.070	F00
	Inc.	71,509	950		Inc.	168,978	569
	Buckle Inc.	19,649	934	*	Sturm Ruger & Co. Inc.	12,500	568
	G-III Apparel Group Ltd.	27,065	920		Mister Car Wash Inc.	65,586	567
	John Wiley & Sons Inc.				Driven Brands Holdings		
_	Class A	27,867	884		Inc.	39,223	559
_	Rover Group Inc.	80,711	878		BJ's Restaurants Inc.	15,369	553
	Allegiant Travel Co.	10,439	862	*	Arlo Technologies Inc.	56,712	540
	Beyond Inc.	31,116	862		Hibbett Inc.	7,283	525
1	Dillard's Inc. Class A	2,114	853		Standard Motor		
*	Liberty Media Corp				Products Inc.	13,104	522
	Liberty Formula One				Interface Inc.	41,128	519
	Class A	14,625	848	*	Portillo's Inc. Class A	32,325	515
*	Under Armour Inc.				Guess? Inc.	22,115	510
	Class A	95,924	843		Dine Brands Global Inc.	10,255	509
	Steelcase Inc. Class A	62,262	842	*	Hovnanian Enterprises		
*	Integral Ad Science				Inc. Class A	3,253	506
	Holding Corp.	58,154	837		Ethan Allen Interiors		
*	Hertz Global Holdings				Inc.	15,402	492
	Inc.	80,428	836	*,1	Cava Group Inc.	11,397	490
*	AMC Entertainment				Sonic Automotive Inc.		
	Holdings Inc. Class A	134,758	825		Class A	8,630	485
*	Leslie's Inc.	117,351	811		Wolverine World Wide		
1	Krispy Kreme Inc.	53,463	807		Inc.	53,188	473
*	Chegg Inc.	70,888	805	*	WW International Inc.	54,055	473
	Winmark Corp.	1,916	800	*	Liberty Media Corp		
*	Malibu Boats Inc.				Liberty Live Class A	12,800	468
	Class A	14,262	782	*	Thryv Holdings Inc.	22,895	466
*	Cars.com Inc.	39,869	756		Gray Television Inc.	51,919	465
	News Corp. Class B	29,413	756	*	MarineMax Inc.	11,713	456
*	Madison Square			*	Dream Finders Homes		
	Garden				Inc. Class A	12,815	455
	Entertainment Corp.	23,602	750	*	Revolve Group Inc.	26,633	442
	Matthews International			*	AMC Networks Inc.		
	Corp. Class A	20,116	737		Class A	23,493	441
*	XPEL Inc.	13,474	726	*	Hawaiian Holdings Inc.	30,994	440
*	Life Time Group				Smith & Wesson		
	Holdings Inc.	47,994	724		Brands Inc.	32,321	438
*	Beazer Homes USA Inc.	20,902	706	*	Sun Country Airlines		
	Camping World				Holdings Inc.	27,708	436
	Holdings Inc. Class A	26,449	695	*	Viad Corp.	12,029	435
	Perdoceo Education	*		*	Instructure Holdings		
	Corp.	39,574	695		Inc.	15,830	428
*	American Axle &			*	Denny's Corp.	39,034	425
	Manufacturing			*	QuinStreet Inc.	33,170	425
	Holdings Inc.	75,117	662	*	Accel Entertainment		
	Caleres Inc.	21,342	656		Inc.	40,447	415
		•				•	

			Market				Market
		Chara	Value*			Classes	Value*
		Shares	(\$000)			Shares	(\$000)
	A-Mark Precious Metals			*	Sleep Number Corp.	14,580	216
	Inc.	13,688	414	*	Liquidity Services Inc.	12,384	213
	Bluegreen Vacations	E E40	44.4	*	Lindblad Expeditions	40.007	040
*	Holding Corp.	5,516	414		Holdings Inc.	18,807	212
	Clean Energy Fuels	106 024	410	*	Carriage Services Inc.	8,442	211
*	Corp. Chuy's Holdings Inc.	106,924 10,658	410 407		OneWater Marine Inc. Class A	6,228	210
	RCI Hospitality	10,056	407	*	Potbelly Corp.	19,904	207
	Holdings Inc.	5.747	381	*	Qurate Retail Inc.	15,504	207
*	Vizio Holding Corp.	3,747	301		Series A	235,205	206
	Class A	49,371	380	*	Zumiez Inc.	10,066	205
*	Corsair Gaming Inc.	26,195	369	*	Holley Inc.	41.174	201
*	Stagwell Inc.	55,124	365	*	1-800-Flowers.com Inc.	, . , .	201
	Shoe Carnival Inc.	11,853	358		Class A	18,559	200
*	Stoneridge Inc.	17,614	345		Hooker Furnishings	,	
*	Clear Channel Outdoor	•			Corp.	7,614	199
	Holdings Inc.	185,732	338	*	Eastman Kodak Co.	49,398	193
*	EW Scripps Co. Class A	41,692	333	*	Stitch Fix Inc. Class A	53,913	192
	Sinclair Inc.	25,561	333	*	iHeartMedia Inc.		
*	Daily Journal Corp.	973	332		Class A	72,097	192
*,1	Wheels Up Experience			*	PlayAGS Inc.	22,237	187
	Inc.	94,617	325		Aaron's Co. Inc.	17,073	186
	Movado Group Inc.	10,544	318	*	Citi Trends Inc.	6,412	181
	Arko Corp.	38,172	315	*	National CineMedia Inc.	41,128	170
*	Genesco Inc.	8,794	310	*	Vera Bradley Inc.	21,968	169
*	Bally's Corp.	21,317	297	*	Tile Shop Holdings Inc.	22,718	167
*	GoPro Inc. Class A	85,360	296	*	Petco Health &		
*	Universal Technical				Wellness Co. Inc.	52,385	166
	Institute Inc.	23,386	293	*	Rush Street Interactive		
	Haverty Furniture Cos.				Inc.	36,535	164
	Inc.	8,222	292		Funko Inc. Class A	20,786	161
	First Watch Restaurant	44.070	000		Children's Place Inc.	6,889	160
* 1	Group Inc.	14,373	289		Destination XL Group	OF F17	150
*,1 *	Savers Value Village Inc.	16,466	286		Inc. Escalade Inc.	35,517	156 153
	MasterCraft Boat	12 205	270	*		7,622	153
*	Holdings Inc. Kura Sushi USA Inc.	12,305	279		Solo Brands Inc. Class A	24,888	153
	Class A	3,583	272	*	SES Al Corp.	83,738	153
	Designer Brands Inc.	3,363	2/2		Rocky Brands Inc.	5,039	153
	Class A	30,187	267		Weyco Group Inc.	4,853	152
	Marcus Corp.	18,310	267		Entravision	4,000	152
*	America's Car-Mart Inc.	3,394	257		Communications		
*	European Wax Center	0,004	207		Corp. Class A	36,315	151
	Inc. Class A	18,699	254		Johnson Outdoors Inc.	00,010	101
*	Cooper-Standard	10,000	20.		Class A	2,828	151
	Holdings Inc.	12,960	253	*	Boston Omaha Corp.	_,	
*,1	Fisker Inc.	143,257	251		Class A	9,556	150
*	Arhaus Inc.	21,179	251	*	JAKKS Pacific Inc.	4,046	144
*,1	Bowlero Corp. Class A	17,755	251	*	Playstudios Inc.	51,558	140
*	Central Garden & Pet	,			Big Lots Inc.	17,757	138
	Co.	4,784	240		Hamilton Beach Brands		
*	Lovesac Co.	9,258	237		Holding Co. Class A	7,791	136
	Build-A-Bear Workshop			*	Red Robin Gourmet		
	Inc.	10,326	237		Burgers Inc.	10,926	136
	Alta Equipment Group				Cricut Inc. Class A	20,354	134
	Inc.	19,135	237	*	Lincoln Educational		
*	Cardlytics Inc.	25,326	233		Services Corp.	13,255	133
*	Gannett Co. Inc.	99,686	229	*	Landsea Homes Corp.	10,037	132
	Carrols Restaurant			*	Tilly's Inc. Class A	17,104	129
	Group Inc.	28,847	227	*	Angi Inc.	51,757	129
~	Xponential Fitness Inc.	17007	000	*	El Pollo Loco Holdings	14040	400
	Class A	17,297	223		Inc.	14,342	126

		Shares	Market Value• (\$000)			Shares	Market Value* (\$000)
				_			
*	Nathan's Famous Inc.	1,617	126	*	Strattec Security Corp.	2,980	75 75
-	VOXX International	44 004	405		Latham Group Inc.	28,563	75
	Corp.	11,691	125	*	Flexsteel Industries Inc. Universal Electronics	3,943	74
*	Clarus Corp. Selectquote Inc.	17,555 87,993	121 121		Inc.	7,869	74
*	Motorcar Parts of	07,993	121	*,1	RumbleON Inc. Class B	9,094	74 74
	America Inc.	12,730	119	*	Superior Industries	3,034	/4
*	AMMO Inc.	56,158	118		International Inc.	21,922	70
	Superior Group of Cos.	00,100	110		Lifetime Brands Inc.	10,315	69
	Inc.	8,674	117	*,1		.0,0.0	00
*	Legacy Housing Corp.	4,622	117		Corp.	32,267	65
*	Turtle Beach Corp.	10,541	115	*	Cumulus Media Inc.		
*	J Jill Inc.	4,459	115		Class A	11,766	63
*	Full House Resorts Inc.	20,813	112	*	2U Inc.	50,097	62
	Lakeland Industries Inc.	6,065	112	*	Duluth Holdings Inc.		
*	RealReal Inc.	54,992	111		Class B	10,724	58
	Bassett Furniture			*	Container Store Group		
	Industries Inc.	6,604	110		Inc.	23,135	53
	Lands' End Inc.	11,262	108	*	Conn's Inc.	11,815	52
	American Public	11 000	107		Canterbury Park	0.070	40
*	Education Inc.	11,060	107	*	Holding Corp.	2,370	48
	Century Casinos Inc. Climb Global Solutions	21,934	107	*	Harte Hanks Inc.	6,868	47 46
	Inc.	1,899	104	*	Fossil Group Inc. Traeger Inc.	31,352 16,967	46
	LiveOne Inc.	74,074	104	*	Spruce Power Holding	10,307	40
*,1	Atlanta Braves Holdings	74,074	100		Corp.	10,214	45
	Inc. Class A	2,402	103		Acme United Corp.	998	43
*,1	Blink Charging Co.	30,055	102	*	BARK Inc.	53,111	43
	Big 5 Sporting Goods	,		*	Urban One Inc.	12.009	42
	Corp.	15,749	100	*	Barnes & Noble	,	
*	Frontier Group Holdings				Education Inc.	27,832	41
	Inc.	18,228	100	*	Lazydays Holdings Inc.	5,685	40
	Townsquare Media Inc.				NL Industries Inc.	7,172	40
	Class A	9,337	99	*	Mesa Air Group Inc.	38,440	39
*	Nerdy Inc.	28,833	99	1	Purple Innovation Inc.	37,652	39
*	Biglari Holdings Inc.	400		*	Delta Apparel Inc.	5,376	38
*	Class A	123	98		Gaia Inc.	11,846	32
-	Sportsman's			*,1	Red Cat Holdings Inc.	36,630	32
	Warehouse Holdings	22 550	06	*,1	Loop Media Inc.	32,468	32 31
*	Inc. Snap One Holdings	22,550	96	*	Kirkland's Inc. Genius Brands	10,411	31
	Corp.	10,397	93		International Inc.	21,261	30
*	Noodles & Co.	29,201	92		Saga Communications	21,201	30
*	Outbrain Inc.	20,815	91		Inc. Class A	1,303	29
*,1	Vuzix Corp.	43,358	90	*	Emerald Holding Inc.	4,815	29
*	Surf Air Mobility Inc.	57,909	90	*	Vacasa Inc. Class A	3,537	29
*	American Outdoor	0.,000		*,1	Focus Universal Inc.	19,046	28
	Brands Inc.	10,588	89	*	Brilliant Earth Group		
*	ContextLogic Inc.				Inc. Class A	6,975	26
	Class A	14,814	88	*	Lee Enterprises Inc.	3,230	25
	Cato Corp. Class A	12,211	87	*	Fluent Inc.	35,496	24
	Marine Products Corp.	7,669	87		Ark Restaurants Corp.	1,632	23
*	CarParts.com Inc.	27,126	86	*	Sonder Holdings Inc.	6,531	22
*	ONE Group Hospitality	14.050	00	*	Owlet Inc.	3,561	19
*	Inc.	14,056	86	_	Regis Corp.	1,976	19
*,1	Reservoir Media Inc.	11,962	85	*	Virco Mfg. Corp.	1,567	19
*	Canoo Inc. Allbirds Inc. Class A	324,220	83 82		Lulu's Fashion Lounge Holdings Inc.	0 662	18
*	LL Flooring Holdings	66,954	02	*,1	Express Inc.	9,663 2,184	18
	Inc.	20,606	80	*	BowFlex Inc.	2,104	16
*	ThredUP Inc. Class A	35,387	80	*	Live Ventures Inc.	636	16
*,1	Mondee Holdings Inc.	28,801	79	*	Charles & Colvard Ltd.	31,847	13
		-,				, -	

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	BurgerFi International				Casey's General Stores		
	Inc.	14,006	12		Inc.	24,995	6,867
*	CuriosityStream Inc.	17,896	10	*	US Foods Holding Corp.	148,162	6,728
	Inspirato Inc.	1,785	7		Hormel Foods Corp.	181,910	5,841
	Cineverse Corp.	4,771	6	*	Campbell Soup Co.	130,104	5,624
*,1	Xwell Inc.	2,088	4	*	Darling Ingredients Inc.	106,274	5,297
,,	Hall of Fame Resort & Entertainment Co.	684	2		Celsius Holdings Inc. Albertsons Cos. Inc.	93,588	5,102
*,1	Faraday Future	004	۷		Class A	212,451	4,886
,.	Intelligent Electric			*	BellRing Brands Inc.	87,757	4,864
	Inc.	8,654	2		Ingredion Inc.	43,505	4,722
*	Aterian Inc.	300	_	*	Sprouts Farmers	.0,000	.,,
		-	4 400 CE1		Market Inc.	68,545	3,298
Col	nsumer Staples (4.7%)		4,492,651		Coca-Cola Consolidated	,	•
COI	Procter & Gamble Co.	1,579,071	231,397		Inc.	3,112	2,889
	PepsiCo Inc.	921,583	156,522	*	Post Holdings Inc.	32,722	2,881
	Coca-Cola Co.	2,605,416	153,537	*	Freshpet Inc.	32,714	2,838
	Philip Morris	2,000,	100,007		Flowers Foods Inc.	115,092	2,591
	International Inc.	1,040,073	97,850	*	Simply Good Foods Co.	61,797	2,447
	CVS Health Corp.	863,034	68,145		WD-40 Co.	9,381	2,243
	Mondelez International			*	Lancaster Colony Corp.	13,055	2,172
	Inc. Class A	913,013	66,129		Boston Beer Co. Inc. Class A	6 101	2 140
	Altria Group Inc.	1,184,782	47,794		Spectrum Brands	6,191	2,140
	Colgate-Palmolive Co.	551,108	43,929		Holdings Inc.	22,733	1,813
	McKesson Corp.	89,204	41,300	1	Brown-Forman Corp.	22,733	1,013
*	Monster Beverage				Class A	28,845	1,719
	Corp.	491,298	28,304	*	Grocery Outlet Holding	20,0.0	.,, .0
	Kimberly-Clark Corp. Archer-Daniels-Midland	226,491	27,521		Corp.	59,378	1,601
	Co.	358,397	25,883		Energizer Holdings Inc.	48,773	1,545
	General Mills Inc.	388,103	25,003		Primo Water Corp.	101,519	1,528
	Constellation Brands	300,103	23,201		Cal-Maine Foods Inc.	25,985	1,491
	Inc. Class A	104,042	25,152	*	TreeHouse Foods Inc.	34,450	1,428
	Kenvue Inc.	1,156,254	24,894		J & J Snack Foods		
	Sysco Corp.	338,522	24,756		Corp.	7,965	1,331
	Cencora Inc.	114,144	23,443		Andersons Inc.	20,676	1,190
	Corteva Inc.	473,733	22,701		Edgewell Personal Care	20.070	1 104
	Keurig Dr Pepper Inc.	654,365	21,803		Co. Universal Corp.	30,970	1,134
	Kroger Co.	431,872	19,741	*	Herbalife Ltd.	15,569 65,312	1,048 997
	Kraft Heinz Co.	533,812	19,740		Vector Group Ltd.	87,253	984
	Hershey Co.	99,807	18,608		Reynolds Consumer	07,200	001
	Church & Dwight Co.	10E 011	15 600		Products Inc.	36,175	971
	Inc. Brown-Forman Corp.	165,011	15,603		MGP Ingredients Inc.	9,662	952
	Class B	214,346	12,239	*	National Beverage		
	Walgreens Boots	214,040	12,200		Corp.	16,730	832
	Alliance Inc.	465,995	12,167		Ingles Markets Inc.		
	Clorox Co.	83,213	11,865		Class A	9,621	831
	McCormick & Co. Inc.	167,984	11,493	*	Sovos Brands Inc.	35,604	784
	Bunge Global SA	108,229	10,926		Utz Brands Inc.	45,503	739
	Lamb Weston Holdings				Vita Coco Co. Inc.	26,692	685
	Inc.	97,274	10,514		Hain Celestial Group	62.204	600
	Tyson Foods Inc.				Inc. Weis Markets Inc.	62,284 10,664	682 682
	Class A	192,917	10,369		WK Kellogg Co.	51,211	673
	Kellanova	184,085	10,292	*	United Natural Foods	01,211	0/0
	Conagra Brands Inc.	320,291	9,180		Inc.	41,043	666
	J M Smucker Co.	67,157	8,487	*	Chefs' Warehouse Inc.	22,522	663
	Molson Coors Beverage Co. Class B	120,093	7,351		Fresh Del Monte	-	
*	Performance Food	120,033	7,001		Produce Inc.	24,940	655
	Group Co.	104,768	7,245	*	Pilgrim's Pride Corp.	22,927	634
	3 ap 00.	,,,,,	.,0				

Seaboard Corp. 151 539				Market Value•				Market Value•
Class A			Shares	(\$000)			Shares	(\$000)
Seaboard Corp. 151 539		Nu Skin Enterprises Inc.			En			
John B Sanflifppo & Son Inc.			32,408	629			2,684,038	268,350
Son Inc.			151	539				179,270
B&G Foods Inc. 49,858 523 EOG Resources Inc. 390,666 295,011 3 3 3 3 3 5 6			= 440	500				92,432
SpartanNash Co. Medifast Inc. USANA Health Sciences Inc. 7,790 ACC Brands Corp. 64, 127 Beyond Meat Inc. 38, 167 Vital Farms Inc. 10, 26, 26 Inc. 11, 917 Jotsie Roll Industries Inc. 20, 26, 29 Mestrock Coffee Co. 28, 962 Duckhorn Portfolio Inc. 29, 255 Duckhorn Portfolio Inc. 29, 255 Senece Foods Corp. Class A Uillage Super Market Inc. Class A 1, 191 Oil-Dri Corp. Corp. Creat Resquire Co. Corp. Creat Resquire Corp. Corp. Creat Resources Corp.						•		49,652
Medifast Inc.								47,251
USANA Health Sciences Inc. 7,790 418 Pioneer Natural							295,011	39,278
Sciences Inc. ACCO Brands Corp. 64,127 390 Resources Co. 156,129 151,127 152,127	*		7,137	480			254 420	27747
ACCO Brands Corp. 64, 127 390 Resources Co. 156, 129 37			7700	/110			204,429	37,747
.** Beyond Meat Inc. 38,167 340 Valero Energy Corp. 228,211 2 * Vital Farms Inc. 20,626 324 Williams Cos. Inc. 816,470 2 * Inc. 11,917 314 Hess Corp. 185,605 2 * Inc. 29,405 313 Corp. 443,582 2 * Calavo Growers Inc. 10,546 310 Cheniere Energy Inc. 152,358 2 * Mission Produce Inc. 30,100 304 Baker Hughes Co. 676,605 2 * Westrock Coffee Co. 28,962 296 Kinder Morgan Inc. 1,262,693 2 * Duckhorn Portfolio Inc. 29,525 291 Halliburton Co. 540,989 1 * Limoneira Co. 12,875 266 Devon Energy Corp. 428,173 1 * Oil-Dri Corp. of America 2,766 186 Targa Resources Corp. 149,967 1 * Cibus Inc. Class A 6,968 183 First Solar Inc. 67,792 1 * LifeMD Inc. 21,322 177 Enphase Energy Inc. 66,799 1 * Oilaplex Holdings Inc. 66,559 169 Ovintiv Inc. (XINYS) 183,295 * Nature's Sunshine Products Inc. 8,283 143 Chesapeake Energy Corp. 428,193 * HF Foods Group Inc. 23,456 125 Corp. 273,686 110 * Natural Grocers by Vitamin Cottage Inc. 19,810 123 Hessian Corp. 102,753 Techniqus Inc. 19,810 123 Hessian Corp. 102,753 Techniqus Inc. 14,496 110 Natural Grocers by Vitamin Cottage Inc. 29,983 99 Eatherford Inc. 14,496 110 Whole Earth Brands Inc. 29,983 99 FerbMed Express Inc. 14,496 110 Whole Earth Brands Inc. 29,983 99 ForoMae Labs Inc. 2,955 86 Corp. 26,584 Corp. 26,384 Corp. 27,374 Permiational pic. 112,747 Permiational pic. 126,479 Permiational pic. 126,477 Permiational pic. 126,479 Permiational pic. 127,47 Permiational pic. 128,47 Permiational pic. 1							156 129	35,110
 Vital Farms Inc. 20,626 324 Williams Cos. Inc. 390,192 Inc. 11,917 314 Hess Corp. Occidental Petroleum Corp. 443,582 Calavo Growers Inc. 10,546 310 Corp. Corp. Calavo Growers Inc. 10,546 310 Cheniere Energy Inc. 152,358 Mission Produce Inc. 39,405 Westrock Coffee Co. 28,962 296 Minder Morgan Inc. 1,262,693 Duckhorn Portfolio Inc. 29,525 291 Limoneira Co. 12,875 Seneca Foods Corp. Class A 4,151 218 Inc. Class A 4,986 183 First Solar Inc. 67,792 LifeMD Inc. 21,322 177 Enphase Energy Inc. 480,449 Cibus Inc. 8,711 EPOducts Inc. 186,470 Coterra Energy Inc. 480,499 Cibus Inc. 187 Beauty Health Co. 54,526 170 Marathon Oil Corp. 20,337,09 Olaplex Holdings Inc. 66,359 169 Ovintiv Inc. (XMYS) 183,295 APA Corp. 207,218 Corp. 4,118 HF Foods Group Inc. 23,456 123 Hersacores Biomedical Inc. 19,810 123 Texas Pacific Land Corp. 4,118 HF Sinclair Corp. 20,273 Hersacores Borp. PetMed Express Inc. 14,496 110 NOV Inc.<td>*,1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>29,667</td>	*,1							29,667
Turning Point Brands Inc.	*							28,438
Inc. 11,917 314 Hess Corp. 185,605 2			20,020	021				27,399
Tootsie Roll Industries Inc. Calavo Growers Inc. 10,546 310 Corp. 443,582 2			11.917	314				26,757
Calavo Growers Inc. 10,546 310 Cheniere Energy Inc. 152,358 2 Mission Produce Inc. 30,100 304 Baker Hughes Co. 676,605 296 Duckhorn Portfolio Inc. 29,525 291 Halliburton Co. 540,989 Limoneira Co. 12,875 266 Devon Energy Corp. 428,173 1 Devon Energy Corp. 428,173 1 Diamondback Energy Class A 4,151 218 Inc. Oil-Dri Corp. of America 2,766 186 Targa Resources Corp. 149,967 1 Coterra Energy Inc. 480,449 1 Inc. Class A 6,968 183 First Solar Inc. 67,792 175 Enphase Energy Inc. 86,849 176 Coterra Energy Inc. 87,111 171 EQT Corp. 273,686 170 Marathon Oil Corp. 203,370 Ovinity Inc. (XINYS) 183,295 APA Corp. 207,318 Chesapeake Energy Corp. 4,118 Products Inc. 8,283 143 Chesapeake Energy Corp. 4,118 Products Inc. 8,284 143 Chesapeake Energy Corp. 4,118 Products Inc. 8,284 143 Chesapeake Energy Corp. 102,753 Chesapea		Tootsie Roll Industries	, -				,	-,
Calavo Growers Inc. 10,546 310 Cheniere Energy Inc. 152,358 2 Mission Produce Inc. 30,100 304 Baker Hughes Co. 676,605 2 Mission Produce Inc. 30,100 304 Baker Hughes Co. 676,605 2 Mission Produce Inc. 29,525 291 Halliburton Co. 540,989 1 Horizon Co. 540,989 1 Halliburton Co. 540,989 1 Halliburton Co. 540,989 1 Horizon Co. 540,989 1 Halliburton Co. 540,98			9,405	313			443,582	26,486
* Westrock Coffee Co. 28,962 296		Calavo Growers Inc.		310		Cheniere Energy Inc.		26,009
* Duckhorn Portfolio Inc. 29,525 291 Limoneira Co. 540,989 1 Limoneira Co. 12,875 266 Devon Energy Corp. 428,173 1 285 Devon Energy Corp. 428,173 1 1 285 Devon Energy Corp. 428,173 1 1 218 Inc. 119,541 1 1 2 218 Inc. 119,541 1 1 2 218 Inc. 119,541 1 2 219 Inc.	*	Mission Produce Inc.	30,100	304		Baker Hughes Co.	676,605	23,126
Limoneira Co. 12,875 266 Devon Energy Corp. 428,173 1 Seneca Foods Corp. Class A 4,151 218 Inc. 119,541 1 Oil-Dri Corp. of America 2,766 186 Targa Resources Corp. 149,967 1 Village Super Market Inc. Class A 6,968 183 First Solar Inc. 67,792 1 LifeMD Inc. 21,322 177 Enphase Energy Inc. 86,849 1 Cibus Inc. 8,711 171 EOT Corp. 273,686 1 Beauty Health Co. 54,526 170 Marathon Oil Corp. 393,709 1 Olaplex Holdings Inc. 66,359 169 Ovintiv Inc. (XNYS) 183,295 APA Corp. 207,318 Products Inc. 8,283 143 Chesapeake Energy Corp. 4,118 Vitamin Cottage Inc. 19,810 123 Texas Pacific Land Corp. 102,753 Texas Pacific Land Solar Inc. 10,810 112 TechnipFMC plc 276,865 PetMed Express Inc. 14,496 110 NOV Inc. 264,794 Mama's Creations Inc. 22,272 109 Southwestern Energy Co. 737,091 Capital Corp. 10,023 60 Chord Energy Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 Pacy Corp. 12,254 Farmer Bros Co. 11,334 35 Murphy Oil Corp. 39,392 7 PoPhase Labs Inc. 12,254 55 Civitas Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Corp. 182,075 PLBY Group Inc. 27,397 14 PBF Energy Inc. Class A 7,3170 Transocean Ltd. (XNYS) 495,396 AquaBounty SMERT Resources Corp. 78,994	*	Westrock Coffee Co.	28,962	296		Kinder Morgan Inc.	1,262,693	22,274
* Seneca Foods Corp. Class A	*	Duckhorn Portfolio Inc.	29,525	291			540,989	19,557
Class A			12,875	266			428,173	19,396
Oil-Dri Corp. of America 2,766 186 Targa Resources Corp. Coterra Energy Inc. 480,449 1 Ago,449 1 Ago,49 1 Ago,49<	*							
Village Super Market Inc. Class A 6,968 183 First Solar Inc. 480,449 1 LifeMD Inc. 21,322 177 Enphase Energy Inc. 86,849 * Cibus Inc. 8,711 171 EQT Corp. 273,686 1 * Beauty Health Co. 54,526 170 Marathon Oil Corp. 393,709 * Olaplex Holdings Inc. 66,359 169 Ovintiv Inc. (XNYS) 183,295 Nature's Sunshine APA Corp. 207318 Products Inc. 8,283 143 Chesapeake Energy * Lifecore Biomedical Inc. 19,810 123 Texas Pacific Land Natural Grocers by Corp. 4,489 Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 102,753 Honest Co. Inc. 33,940 112 TechnipFMC plc 276,865 PetMed Express Inc. 14,496 110 NOV Inc. 264,794 * Morbfield Realty Co. 737,091 Coptaclease 47,686 Inc. 29,083 99 Range Resources Co								18,538
Inc. Class A			2,766	186				13,028
* LifeMD Inc. 21,322 177 * Enphase Energy Inc. 86,849 7 Cibus Inc. 8,711 171 EQT Corp. 273,686 1 8 Beauty Health Co. 54,526 170 Marathon Oil Corp. 393,709 Olaplex Holdings Inc. 66,359 169 Ovintiv Inc. (XNYS) 183,295 Nature's Sunshine Products Inc. 8,283 143 Chesapeake Energy Corp. 207,318 Products Inc. 19,810 123 Texas Pacific Land Corp. 84,890 Texas Pacific Land Corp. 4,118 Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 102,753 HONDING Extra Corp. 102,753 HONDING Extra Corp. 102,753 Texas Pacific Land Corp. 4,118 Products Co. Inc. 33,940 112 TechnipFMC plc 276,865 NOV Inc. 264,794 Mama's Creations Inc. 22,272 109 Southwestern Energy Co. 737,091 Capital Corp. Class A 27,699 101 Weatherford International plc 47,686 Inc. 29,083 99 Range Resources Corp. 152,747 Permian resources Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 Veru Inc. 39,389 28 Antero Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Corp. 182,075 Noble Corp. 1,495 16 Noble Corp. plc 75,743 DTE Midstream LLC 64,744 Inc. 27,397 14 PBF Energy Inc. Class A 73,170 Senson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 AquaBounty Senson Propriate Corp. 78,994			0.000	100	*			12,261
* Cibus Inc.					*			11,679
Beauty Health Co. 54,526 170 Marathon Oil Corp. 393,709	*							11,476
* Olaplex Holdings Inc.	*							10,581
Nature's Sunshine	*							9,512 8,050
Products Inc.	*		00,339	103				7,439
* HF Foods Group Inc. 23,456 125 Corp. 84,890 * Lifecore Biomedical Inc. 19,810 123 Texas Pacific Land Corp. 4,118 Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 102,753 * Honest Co. Inc. 33,940 112 TechnipFMC plc 276,865 PetMed Express Inc. 14,496 110 NOV Inc. 264,794 * Mama's Creations Inc. 22,272 109 Southwestern Energy Co. 737,091 * Capital Corp. Class A 27,699 101 Weatherford International plc 47,686 Inc. 29,083 99 Range Resources Corp. 152,747 * GrowGeneration Corp. 35,962 90 Permian resources Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 * ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 * Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 * Veru Inc. 39,389 28 Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 * Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty			8 283	143			207,010	7,400
Lifecore Biomedical Inc. Natural Grocers by Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 4,118	*						84 890	6,531
Natural Grocers by Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 102,753	*						0.,000	0,00
Vitamin Cottage Inc. 7,685 123 HF Sinclair Corp. 102,753 Honest Co. Inc. 33,940 112 TechnipFMC plc 276,865 PetMed Express Inc. 14,496 110 NOV Inc. 264,794 Mama's Creations Inc. 22,272 109 Southwestern Energy Brookfield Realty Co. 737,091 Capital Corp. Class A 27,699 101 Weatherford Whole Earth Brands Inc. 29,083 99 Range Resources Corp. 152,747 GrowGeneration Corp. 35,962 90 Permian resources 152,747 GrowGeneration Corp. 2,955 86 Corp. 325,861 152,747 Forphase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 Veru Inc. 39,389 28 Antero Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 Zevia PBC Class A <td< td=""><td></td><td></td><td>.,.</td><td></td><td></td><td></td><td>4.118</td><td>6,475</td></td<>			.,.				4.118	6,475
PetMed Express Inc.			7,685	123				5,710
Mama's Creations Inc. 22,272 109 Southwestern Energy Co. 737,091	*	Honest Co. Inc.	33,940	112		TechnipFMC plc	276,865	5,576
* Brookfield Realty Capital Corp. Class A 27,699 101 * Weatherford International plc 47,686 Inc. 29,083 99 Range Resources Corp. 152,747 * GrowGeneration Corp. 35,962 90 Permian resources Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 * ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 * Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 * Veru Inc. 39,389 28 Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 * Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty		PetMed Express Inc.	14,496	110		NOV Inc.	264,794	5,370
Capital Corp. Class A 27,699 101 Weatherford International plc 47,686 * Whole Earth Brands Inc. 29,083 99 Range Resources Corp. 152,747 * GrowGeneration Corp. 35,962 90 Permian resources Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 * ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 * Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 * Veru Inc. 39,389 28 Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 * Inc. 27,397 14 PBF Energy Inc. 64,744 * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 <	*		22,272	109	*			
Whole Earth Brands International plc 47,686 Inc. 29,083 99 Range Resources Corp. 152,747	*						737,091	4,828
Inc. 29,083 99 Range Resources Corp. 152,747 GrowGeneration Corp. 35,962 90 Permian resources Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 Veru Inc. 39,389 28 Antero Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 Vintage Wine Estates DTE Midstream LLC 64,744 Inc. 27,397 14 PBF Energy Inc. S&W Seed Co. 18,009 13 Class A 73,170 Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 AquaBounty SM Energy Co. 78,994			27,699	101	*			
** GrowGeneration Corp. Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 *ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 *Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 *Veru Inc. 39,389 28 Antero Resources Corp. 182,075 *P LBY Group Inc. 26,318 26 Matador Resources Co. 71,408 *Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 *Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 *Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. *S&W Seed Co. 18,009 13 Class A 73,170 *Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 *AquaBounty SM Energy Co. 78,994	*							4,665
Alico Inc. 2,955 86 Corp. 325,861 Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 Veru Inc. 39,389 28 Antero Resources Corp. 182,075 P LBY Group Inc. 26,318 26 Matador Resources Co. 71,408 Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 *1 Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*						152,747	4,650
Lifevantage Corp. 10,023 60 Chord Energy Corp. 26,534 * ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 * Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 * Veru Inc. 39,389 28 Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 * Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates DTE Midstream LLC 64,744 Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty							225 061	4 422
* ProPhase Labs Inc. 12,254 55 Civitas Resources Inc. 62,437 * Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 * Veru Inc. 39,389 28 Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 **I Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. 64,744 * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994						P		4,432 4,411
Farmer Bros Co. 11,334 35 Murphy Oil Corp. 97,927 Veru Inc. 39,389 28 Antero Resources Corp. 182,075 PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. S&W Seed Co. 18,009 13 Class A 73,170 Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 AquaBounty Square Corp. 17,498 Murphy Oil Corp. 97,927 Nather Resources Co. 71,408 Antero Resources Corp. 182,075 PA DTE Midstream LLC 64,744 PBF Energy Inc. Class A 73,170 S&W Seed Co. 18,009 13 Transocean Ltd. (XNYS) 495,396 SM Energy Co. 78,994	*							4,411
* Veru Inc. 39,389 28 * Antero Resources Corp. 182,075 * PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 **I Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. 64,744 * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*							4,178
** PLBY Group Inc. 26,318 26 Matador Resources Co. 71,408 * Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 *.1 Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. 64,744 * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*				*			4,129
** Zevia PBC Class A 9,474 19 ChampionX Corp. 130,031 ** Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*							4,060
* I Bridgford Foods Corp. 1,495 16 Noble Corp. plc 75,743 * Vintage Wine Estates Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*							3,798
* Vintage Wine Estates Inc. DTE Midstream LLC 64,744 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*,1					Noble Corp. plc		3,648
Inc. 27,397 14 PBF Energy Inc. * S&W Seed Co. 18,009 13 Class A 73,170 * Benson Hill Inc. 76,425 13 Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994	*		,					3,548
* Benson Hill Inc. 76,425 13 * Transocean Ltd. (XNYS) 495,396 * AquaBounty SM Energy Co. 78,994			27,397	14				
* AquaBounty SM Energy Co. 78,994	*	S&W Seed Co.	18,009	13			73,170	3,217
	*		76,425	13	*			3,146
Lashnalasias Inc. OO1 O Dottaraan LTI Facros.	*			_			78,994	3,059
ŭ ·		Technologies Inc.	891	3		Patterson-UTI Energy	004 :	
* 22nd Century Group Inc. 281,408	*	, ,	0.000	•			281,408	3,039
Inc. 8,332 <u>2</u> Equitrans Midstream Corp. 279,601		Inc.	8,332	2			270 601	2 046
1,463,411 Corp. 279,601				1,463,411		corp.	Z/9,001	2,846

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
	Antero Midstream			*	REX American		
	Corp.	224,240	2,810		Resources Corp.	11,214	530
	Arcosa Inc.	32,648	2,698	*	Centrus Energy Corp.		
	California Resources				Class A	9,586	522
	Corp.	46,799	2,559	*	Dril-Quip Inc.	21,948	511
	Magnolia Oil & Gas			*,1	onargor onit moralingo		
	Corp. Class A	118,434	2,521		Inc.	216,107	506
	Alpha Metallurgical			*	ProPetro Holding Corp.	59,558	499
	Resources Inc.	7,144	2,421		Kinetik Holdings Inc.	14,605	488
	New Fortress Energy	00.050	0.075		NextDecade Corp.	97,294	464
*	Inc.	62,956	2,375		Select Water Solutions	E0 00E	455
	Tidewater Inc.	31,210	2,251		Inc.	59,935	455
	Northern Oil and Gas Inc.	E0 040	2 210	*	RPC Inc. SilverBow Resources	61,215	446
	Warrior Met Coal Inc.	59,849	2,219		Inc.	14,475	421
	Helmerich & Payne Inc.	35,534 59,522	2,167 2,156	*	Bristow Group Inc.	14,607	413
*	CNX Resources Corp.	102,151	2,130	*,1		100,623	390
	Cactus Inc. Class A	44,039	1,999	*	TETRA Technologies	100,023	330
	Arch Resources Inc.	11,865	1,969		Inc.	81,233	367
	Viper Energy Inc.	58,567	1,838	*	Montauk Renewables	01,200	307
	Liberty Energy Inc.	100,480	1,823		Inc.	38,927	347
	Peabody Energy Corp.	74,110	1,802		VAALCO Energy Inc.	72,818	327
*,1		397,877	1,790	*	Newpark Resources	,2,0.0	02,
*	Shoals Technologies	00.,077	1,700		Inc.	47,154	313
	Group Inc. Class A	111,399	1,731		SandRidge Energy Inc.	20,819	285
	CONSOL Energy Inc.	15,928	1,601	*	SunPower Corp.	58,871	284
*	NEXTracker Inc. Class A	33,850	1,586		Vitesse Energy Inc.	12,846	281
*	Array Technologies Inc.	93,503	1,571	*	Oil States International		
	Archrock Inc.	99,777	1,537		Inc.	41,067	279
*	Oceaneering				Ramaco Resources Inc.		
	International Inc.	66,532	1,416		Class A	15,478	266
*	Callon Petroleum Co.	41,338	1,339		Berry Corp.	37,707	265
*	Par Pacific Holdings Inc.	35,804	1,302	*,1	1011011011	346,130	262
	Sitio Royalties Corp.			*	DMC Global Inc.	13,419	253
	Class A	53,876	1,267	*,1	5	69,821	250
	Gulfport Energy Corp.	8,731	1,163	1	HighPeak Energy Inc.	16,753	239
	Talos Energy Inc.	74,404	1,059		SEACOR Marine	10 771	000
*	Delek US Holdings Inc.	40,698	1,050	*	Holdings Inc.	18,771	236
	Helix Energy Solutions	00.670	1 01 4		American		
*	Group Inc. Green Plains Inc.	98,673	1,014		Superconductor	10 441	217
	World Kinect Corp.	37,690 40,140	951 914		Corp. Kodiak Gas Services	19,441	217
*	Fluence Energy Inc.	38,069	908		Inc.	10,314	207
*	Diamond Offshore	36,009	308	*	Matrix Service Co.	20,138	197
	Drilling Inc.	69,498	903		W&T Offshore Inc.	60,181	196
*	Vital Energy Inc.	17,931	816	*	Gevo Inc.	161,777	188
*	NOW Inc.	70,580	799	*	Natural Gas Services	101,777	100
	CVR Energy Inc.	23,493	712		Group Inc.	10,759	173
*	Ameresco Inc. Class A	21,746	689	*	Amplify Energy Corp.	28,902	171
	Crescent Energy Co.	,		*	Hallador Energy Co.	19,051	168
	Class A	51,747	684	*	Forum Energy	-,	
	SunCoke Energy Inc.	56,539	607		Technologies Inc.	7,505	166
*	MRC Global Inc.	54,151	596		Solaris Oilfield	,	
	Atlas Energy Solutions				Infrastructure Inc.		
	Inc.	34,233	589		Class A	20,364	162
	Core Laboratories Inc.	32,248	570	*	Geospace Technologies		
	Comstock Resources				Corp.	11,189	145
	Inc.	63,137	559		Granite Ridge		
*	FuelCell Energy Inc.	340,830	545		Resources Inc.	22,016	133
*	Nabors Industries Ltd.	0.540	505		Evolution Petroleum	00 455	400
	(XNYS)	6,548	535		Corp.	22,455	130

		O.	Market Value•			CI.	Market Value•
		Shares	(\$000)			Shares	(\$000)
	NACCO Industries Inc. Class A	3,559	130		PNC Financial Services Group Inc.	266,502	41,268
*	ProFrac Holding Corp.				Moody s Corp.	104,277	40,726
	Class A	15,223	129		Aon plc Class A (XNYS)	127,097	36,988
	PHX Minerals Inc.	32,792	106		KKR & Co. Inc.	445,301	36,893
	Riley Exploration				Truist Financial Corp.	895,577	33,065
	Permian Inc.	3,903	106		Arthur J Gallagher &		
*	TPI Composites Inc.	25,015	104		Co.	144,764	32,555
*	Aemetis Inc.	19,744	103		Aflac Inc.	391,462	32,296
*	Solid Power Inc.	71,191	103		American International		
	Ranger Energy Services				Group Inc.	470,795	31,896
	Inc.	9,731	100		Travelers Cos. Inc.	153,274	29,197
*	KLX Energy Services				MSCI Inc.	50,477	28,552
	Holdings Inc.	7,734	87		Bank of New York		
*	Ring Energy Inc.	58,009	85		Mellon Corp.	515,630	26,839
*	OPAL Fuels Inc. Class A	15,456	85		Ameriprise Financial		
	Epsilon Energy Ltd.	14,306	73		Inc.	67,724	25,724
*	Empire Petroleum Corp.	5,806	64		Prudential Financial Inc.	242,348	25,134
*	Profire Energy Inc.	33,333	60		Apollo Global	,	,
*	Battalion Oil Corp.	5,921	57		Management Inc.	266,644	24,849
*	Ideal Power Inc.	6,716	52		Allstate Corp.	175,202	24,525
*	Gulf Island Fabrication	-,			MetLife Inc.	370,350	24,491
	Inc.	10,847	47		Discover Financial	,	,
*	Flotek Industries Inc.	11,112	44		Services	167,395	18,815
*,1		5,797	41	*	Berkshire Hathaway	,	,
	Ramaco Resources Inc.	-,			Inc. Class A	34	18,449
	Class B	3,095	41	*	Coinbase Global Inc.	0.	.0,0
*	American Resources	0,000	• • •		Class A	103,030	17,919
	Corp.	26,674	40	*	Arch Capital Group Ltd.	237,838	17,664
*	ESS Tech Inc.	27,503	31		Willis Towers Watson	207,000	17,001
*	Nine Energy Service	27,000	01		plc	69,402	16,740
	Inc.	11,327	30		Hartford Financial	00, 102	10,710
*	FTC Solar Inc.	33,881	23		Services Group Inc.	202,018	16,238
	Enviva Inc.	19,768	20		Broadridge Financial	202,010	10,200
*	Ocean Power	13,700	20		Solutions Inc.	78,779	16,209
	Technologies Inc.	41,515	13		T Rowe Price Group	70,773	10,200
*,1		21,967	5		Inc.	149,983	16,152
	Alta Mesa Resources	21,007	3		Nasdag Inc.	270,902	15,750
	Inc. Class A	103,408	_		Fifth Third Bancorp	455,852	15,722
	IIIC. Class A	100,400			State Street Corp.	196,924	15,722
			1,276,733		M&T Bank Corp.	110,829	15,254
Fin	ancials (10.8%)				Raymond James	110,023	15, 152
*	Berkshire Hathaway				Financial Inc.	125 7/0	14 021
	Inc. Class B	1,176,762	419,704		Ares Management	125,749	14,021
	JPMorgan Chase & Co.	1,936,633	329,421			111 226	12 220
	Bank of America Corp.	4,505,650	151,705		Corp. Class A	111,236	13,228
	Wells Fargo & Co.	2,432,731	119,739		Principal Financial Group Inc.	160,451	12 622
	S&P Global Inc.	212,368	93,552		Choe Global Markets	160,451	12,623
	Goldman Sachs Group					70 E10	10 500
	Inc.	218,593	84,327		Inc.	70,518	12,592
	Morgan Stanley	825,223	76,952		Huntington Bancshares	000 050	10 007
	BlackRock Inc.	89,762	72,869		Inc.	962,053	12,237
	Charles Schwab Corp.	950,625	65,403		FactSet Research	05 500	10 105
	Citigroup Inc.	1,217,028	62,604		Systems Inc.	25,563	12,195
	Marsh & McLennan			*	Regions Financial Corp.	620,523	12,026
	Cos. Inc.	330,079	62,540	_	Markel Group Inc.	8,413	11,946
	Progressive Corp.	391,947	62,429		LPL Financial Holdings	F0 770	44 550
	Blackstone Inc.	476,447	62,376		Inc.	50,776	11,558
	Chubb Ltd.	273,814	61,882		Northern Trust Corp.	132,550	11,185
	CME Group Inc.	240,999	50,754		Cincinnati Financial	404.000	40.05
	Intercontinental	•	•		Corp.	104,880	10,851
	Exchange Inc.	384,274	49,352		Brown & Brown Inc.	152,040	10,812
	US Bancorp	1,044,990	45,227		Everest Group Ltd.	28,947	10,235
	•		•				

		Shares	Market Value• (\$000)		Shares	Market Value• (\$000)
	itinana Finanaial Cara	0.10.00	(4000)			(4000)
C	itizens Financial Group	007000	0.050	First American		4.040
_	Inc.	297,329	9,853	Corp.	65,893	4,246
FI	irst Citizens			Cullen/Frost Ba		4 1 4 1
	BancShares Inc.	0.700	0.040	Inc.	38,168	4,141
	Class A	6,796	9,643	Starwood Prop	,	
	R Berkley Corp.	130,586	9,235	Inc.	196,884	4,138
	eyCorp.	628,356	9,048	Houlihan Lokey		4,134
Fi	idelity National			Selective Insura		
	Financial Inc.	171,101	8,730	Group Inc.	40,685	4,047
	oews Corp.	118,498	8,246	Prosperity Band		
	quitable Holdings Inc.	226,192	7,532	Inc.	59,312	4,017
N	1arketAxess Holdings			Jefferies Financ	cial	
	Inc.	25,420	7,444	Group Inc.	98,830	3,994
G	lobe Life Inc.	59,781	7,277	Popular Inc.	47,656	3,911
R	einsurance Group of			OneMain Holdi	ings Inc. 79,049	3,889
	America Inc.	43,662	7,064	Evercore Inc. C	Class A 22,704	3,884
Tr	adeweb Markets Inc.			RLI Corp.	29,099	3,874
	Class A	77,493	7,043	Wintrust Finance	cial Corp. 40,841	3,788
R	enaissanceRe			Columbia Bank	ing	
	Holdings Ltd.	35,237	6,906	System Inc.	140,170	3,740
C	arlyle Group Inc.	169,525	6,898	Bank OZK	74,801	3,727
	ast West Bancorp Inc.	94,402	6,792	Cadence Bank	122,281	3,618
	nnaly Capital	0.,.02	0,702	MGIC Investme		3,568
, ,	Management Inc.	335,656	6,502	Essent Group L		3.458
Δ	Ily Financial Inc.	180,250	6,294	United Banksha		3,410
	ssurant Inc.	35,275	5,943	Rithm Capital C		3,406
	Vebster Financial Corp.	117,006	5,939	Synovus Financ		3,398
	oFi Technologies Inc.	580,825	5,779	Affiliated Mana		3,330
0,	rie Indemnity Co.	300,023	3,773	Group Inc.	22,130	3,351
L	Class A	17,219	5,767	* Marathon Digit		3,331
۸	merican Financial	17,219	5,767			2 242
А		40 110	E 700	Holdings Inc.		3,342
l m	Group Inc.	48,113	5,720	Old National Ba		3,316
111	teractive Brokers	67700	E 620	FNB Corp.	234,468	3,229
г.	Group Inc. Class A	67,793	5,620	Corebridge Fina		2 107
	ranklin Resources Inc.	183,412	5,464	Inc.	147,607	3,197
	irst Horizon Corp.	377,049	5,339	Valley National		3,125
	ivesco Ltd.	295,981	5,280	Glacier Bancorp		3,081
	oya Financial Inc.	69,932	5,102	Home BancSha		3,055
^ R	obinhood Markets Inc.	000 570	- 070	Lincoln Nationa		3,016
	Class A	398,578	5,078	Radian Group I		2,920
	num Group	112,055	5,067	SLM Corp.	150,616	2,880
	El Investments Co.	78,366	4,980	* American Equit		
O	Id Republic			Investment L		
	International Corp.	169,216	4,975	Holding Co.	51,485	2,873
	omerica Inc.	88,898	4,961	Axis Capital Ho		
N	1orningstar Inc.	17,187	4,920	Ltd.	51,167	2,833
Ki	insale Capital Group			 * Ryan Specialty 	Holdings	
	Inc.	14,600	4,890	Inc.	65,816	2,831
Pı	rimerica Inc.	23,759	4,889	FirstCash Holdi	ings Inc. 25,727	2,789
N	ew York Community			First Financial		
	Bancorp Inc.	463,172	4,738	Bankshares I	Inc. 90,995	2,757
V	Vestern Alliance			Assured Guara	nty Ltd. 36,385	2,723
	Bancorp	69,764	4,590	* Mr Cooper Gro		2,720
Sf	tifel Financial Corp.	65,680	4,542	Jackson Financ		•
	lue Owl Capital Inc.	303,507	4,522	Class A	52,749	2,701
	ions Bancorp NA	100,001	4,387	Hancock Whitn		2,684
	GNC Investment Corp.	443,552	4,351	Janus Henders		_,001
	outhState Corp.	50,774	4,288	Group plc	88,666	2,673
	innacle Financial	00,	.,200	Hamilton Lane		2,0.0
	Partners Inc.	48,988	4,273	Class A	23,302	2,643
C	ommerce Bancshares	10,000	1,2,0	Hanover Insura		2,010
0	Inc.	79,599	4,251	Group Inc.	21,295	2,586
		70,000	7,201	Group inc.	21,200	2,000

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
	Moelis & Co. Class A	45,296	2,542		Simmons First National		
	Lazard Ltd. Class A	72,319	2,517		Corp. Class A	81,787	1,623
	White Mountains				Seacoast Banking Corp.		
,	Insurance Group Ltd.	1,638	2,465		of Florida	56,326	1,603
*	Enstar Group Ltd.	8,299	2,443		Eastern Bankshares	100 000	4 544
1	Walker & Dunlop Inc.	21,775	2,417		Inc. PJT Partners Inc.	106,600	1,514
	Blackstone Mortgage Trust Inc. Class A	109,662	2,333		Class A	14,780	1,506
	Ameris Bancorp	43,922	2,333		First Merchants Corp.	40,486	1,500
*	Brighthouse Financial	45,522	2,550		PennyMac Financial	40,400	1,501
	Inc.	43,045	2,278		Services Inc.	16,856	1,490
	ServisFirst Bancshares	,	_,		WaFd Inc.	44,892	1,480
	Inc.	32,769	2,183		First Financial Bancorp	59,891	1,422
	UMB Financial Corp.	25,928	2,166		Towne Bank	46,646	1,388
	United Community				BOK Financial Corp.	15,812	1,354
	Banks Inc.	73,955	2,164	*	StoneX Group Inc.	17,874	1,320
	Cathay General Bancorp	47,646	2,124		NBT Bancorp Inc.	31,007	1,299
*	Texas Capital	00.040	0.404		Park National Corp.	9,719	1,291
	Bancshares Inc.	32,818	2,121		Rocket Cos. Inc.	07015	1.004
	CNO Financial Group	74,219	2,071	*	Class A Bancorp Inc.	87,315 32,109	1,264 1,238
	International	74,213	2,071		Banner Corp.	23,079	1,236
	Bancshares Corp.	37,827	2,055		Renasant Corp.	36,398	1,236
*	Riot Platforms Inc.	132,139	2,044		Independent Bank	30,330	1,220
*	Genworth Financial Inc.	.02,.00	2,0		Group Inc.	23,889	1,215
	Class A	305,707	2,042		WesBanco Inc.	38,638	1,212
	Associated Banc-Corp.	95,065	2,033		Cohen & Steers Inc.	15,906	1,205
	Piper Sandler Cos.	11,465	2,005		OFG Bancorp	31,864	1,194
	Kemper Corp.	41,070	1,999		Virtu Financial Inc.		
*,1	o potart i foramigo mio.	48,640	1,987		Class A	58,958	1,194
*	Axos Financial Inc.	35,912	1,961	*	Triumph Financial Inc.	14,784	1,185
	First Hawaiian Inc.	85,011	1,943		BancFirst Corp.	11,959	1,164
	Artisan Partners Asset				Banc of California Inc. Apollo Commercial Real	84,733	1,138
	Management Inc. Class A	43,736	1,932		Estate Finance Inc.	96,220	1,130
	Pacific Premier Bancorp	43,730	1,332		Virtus Investment	30,220	1,130
	Inc.	65,626	1,910		Partners Inc.	4,650	1,124
	Bank of Hawaii Corp.	26,327	1,908		Federal Agricultural	.,	.,
	Independent Bank				Mortgage Corp.		
	Corp. (XNGS)	28,893	1,901		Class C	5,779	1,105
	TPG Inc.	44,027	1,901		StepStone Group Inc.		
	WSFS Financial Corp.	41,209	1,893		Class A	34,477	1,097
	Community Bank	05.000	4.000		Ready Capital Corp.	106,799	1,095
	System Inc.	35,689	1,860	-	Customers Bancorp	10.050	1 000
	Federated Hermes Inc. Atlantic Union	54,135	1,833		Inc. Claros Mortgage Trust	18,959	1,092
	Bankshares Corp.	50,023	1,828		Inc.	79,885	1,089
	First Interstate	30,023	1,020		Hilltop Holdings Inc.	30,799	1,084
	BancSystem Inc.			*	Goosehead Insurance	00,700	1,001
	Class A	59,214	1,821		Inc. Class A	14,164	1,074
	Fulton Financial Corp.	110,430	1,818		Lakeland Financial	,	,
*	Credit Acceptance				Corp.	16,473	1,073
	Corp.	3,399	1,811		Stewart Information		
	CVB Financial Corp.	89,568	1,808		Services Corp.	18,263	1,073
	First BanCorp (XNYS)	109,802	1,806		Trustmark Corp.	38,390	1,070
1	Arbor Realty Trust Inc.	115,154	1,748		Enterprise Financial		
*	BGC Group Inc. Class A	239,583	1,730		Services Corp.	23,928	1,068
-	Clearwater Analytics Holdings Inc. Class A	04 200	1 600	*	City Holding Co. Enova International Inc.	9,521	1,050
	BankUnited Inc.	84,299 51,659	1,689 1,675		Northwest Bancshares	18,789	1,040
*	NMI Holdings Inc.	31,033	1,073		Inc.	81,861	1,022
	Class A	55,188	1,638	*	BRP Group Inc. Class A	42,054	1,010
	×	,.00	.,000		2.125 5.00071	,	.,0.0

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
_	Navient Corp.	53,848	1,003		Southside Bancshares		
	Westamerica BanCorp	17,673	997		Inc.	21,385	670
	Live Oak Bancshares	.,,,,,	007		Employers Holdings	21,000	070
	Inc.	21,439	975		Inc.	16,830	663
	First Commonwealth	21,100	0.0		Mercury General Corp.	17,747	662
	Financial Corp.	62,287	962	*	PRA Group Inc.	25,009	655
	Hope Bancorp Inc.	79,523	961		ARMOUR Residential	,	
*	Oscar Health Inc.	,			REIT Inc.	33,727	652
	Class A	104,983	961		National Western Life	,	
	FB Financial Corp.	23,950	954		Group Inc. Class A	1,325	640
	National Bank Holdings			*	Trupanion Inc.	20,847	636
	Corp. Class A	25,248	939		Bank First Corp.	7,301	633
	First Bancorp (XNGS)	25,322	937		Enact Holdings Inc.	21,697	627
	Compass Diversified	,			German American	,	
	Holdings	41,066	922		Bancorp Inc.	18,991	615
	Stock Yards Bancorp	,			Preferred Bank	8,386	613
	Inc.	17,861	920		WisdomTree Inc.	87,812	609
	Horace Mann	,			Redwood Trust Inc.	81,079	601
	Educators Corp.	27,455	898		AMERISAFE Inc.	12,816	600
	Heartland Financial USA	27, 100	000		QCR Holdings Inc.	10,278	600
	Inc.	23,470	883	*	Open Lending Corp.	10,270	000
	Pathward Financial Inc.	16,662	882		Class A	70,364	599
	Two Harbors	10,002	002		Ellington Financial Inc.	46.885	596
	Investment Corp.	63,057	878		Premier Financial Corp.	24,679	595
	Ladder Capital Corp.	76,036	875		Lakeland Bancorp Inc.	40,156	594
	Victory Capital Holdings	70,000	070		Brookline Bancorp Inc.	54,309	593
	Inc. Class A	25,414	875		TFS Financial Corp.	39,819	585
	First Busey Corp.	35,148	872	*	LendingClub Corp.	66,705	583
*	Palomar Holdings Inc.	15,554	863		Capitol Federal Financial	00,700	000
	PennyMac Mortgage	10,001	000		Inc.	90,164	582
	Investment Trust	57,037	853		Dime Community	00,101	002
	Provident Financial	0,,00,	000		Bancshares Inc.	21,596	582
	Services Inc.	47,282	852		New York Mortgage	21,000	002
	S&T Bancorp Inc.	25,485	852		Trust Inc.	67,208	573
	Stellar Bancorp Inc.	30,307	844	*,1	Lemonade Inc.	35,214	568
	TriCo Bancshares	19,072	820		ConnectOne Bancorp	,	
	Peoples Bancorp Inc.	24,137	815		Inc.	24,205	555
	Veritex Holdings Inc.	34,055	792		F&G Annuities & Life	2 1,200	000
	Sandy Spring Bancorp	- 1,			Inc.	11,867	546
	Inc.	28,706	782		Eagle Bancorp Inc.	17,990	542
*	Cannae Holdings Inc.	38,924	759		First Bancshares Inc.	17,749	521
*	Encore Capital Group	/			Tompkins Financial	,	
	Inc.	14,909	757		Corp.	8,236	496
	MFA Financial Inc. REIT	67,204	757		ProAssurance Corp.	35,652	492
	Chimera Investment	,		*	Ambac Financial Group	,	
	Corp.	150,581	751		Inc.	29,552	487
	Safety Insurance Group	,			Amerant Bancorp Inc.	19,654	483
	Inc.	9,855	749		Merchants Bancorp	11,200	477
	Berkshire Hills Bancorp	0,000	, .0		Heritage Financial Corp.	21,778	466
	Inc.	29,869	742		Horizon Bancorp Inc.	31,935	457
	Nelnet Inc. Class A	8,086	713		Brightsphere	0.,000	
*	SiriusPoint Ltd.	61,350	712		Investment Group		
	Franklin BSP Realty	0.,000	,		Inc.	23,285	446
	Trust Inc. REIT	52,036	703		First Mid Bancshares	,	
*	Skyward Specialty	,000	, 55		Inc.	12,765	442
	Insurance Group Inc.	20,654	700		Community Trust	.2,700	
	Origin Bancorp Inc.	19,475	693		Bancorp Inc.	9,971	437
	Brightspire Capital Inc.	92,816	691	1	UWM Holdings Corp.	60,612	433
	OceanFirst Financial	02,010	001		Amalgamated Financial	00,0.2	.50
	Corp.	39,400	684		Corp.	16,023	432
	Nicolet Bankshares Inc.	8,372	674		HCI Group Inc.	4,916	430
		-,	-		Mercantile Bank Corp.	10,446	422

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	Dynay Capital Inc	33,541	420		Matragity Pankaharaa	Charos	(ΦΟΟΟ)
	Dynex Capital Inc. Washington Trust	33,341	420		Metrocity Bankshares Inc.	12,490	300
	Bancorp Inc.	12,879	417		Diamond Hill	12,430	300
	1st Source Corp.	7,487	411		Investment Group		
	Old Second Bancorp	,,,			Inc.	1,783	295
	Inc.	26,576	410		ACNB Corp.	6,589	295
*	Assetmark Financial	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Republic Bancorp Inc.	,,,,,,,	
	Holdings Inc.	13,572	406		Class A	5,300	292
	Farmers National Banc				Bar Harbor Bankshares	9,895	291
	Corp.	27,614	399		Shore Bancshares Inc.	20,192	288
	Byline Bancorp Inc.	16,831	397		Granite Point Mortgage		
	Univest Financial Corp.	17,983	396		Trust Inc.	47,975	285
	Business First	45 700	000		World Acceptance	0.450	001
	Bancshares Inc.	15,762	389		Corp.	2,153	281
	Kearny Financial Corp.	43,112	387		HomeTrust Bancshares Inc.	10.060	271
	Midland States Bancorp Inc.	14,003	386		Alerus Financial Corp.	10,069 12,077	270
*	Columbia Financial Inc.	19,953	385		TPG RE Finance Trust	12,077	270
	Hanmi Financial Corp.	19,616	381		Inc.	41,064	267
*	CrossFirst Bankshares	10,010	001		Southern Missouri	11,001	207
	Inc.	27,698	376		Bancorp Inc.	4,967	265
	Northfield Bancorp Inc.	29,814	375		GCM Grosvenor Inc.	·	
	Heritage Commerce				Class A	29,149	261
	Corp.	37,367	371		P10 Inc. Class A	25,496	261
*	Metropolitan Bank				Northrim BanCorp Inc.	4,505	258
	Holding Corp.	6,652	368		Orchid Island Capital		
	Great Southern	0.450	005		Inc.	30,262	255
	Bancorp Inc.	6,158	365	1	NewtekOne Inc.	18,078	249
	HarborOne Bancorp	20 4EE	265		Macatawa Bank Corp.	22,021	248
	Inc.	30,455	365		SmartFinancial Inc. Peoples Financial	10,103	247
	Equity Bancshares Inc. Class A	10,726	364		Services Corp.	5,056	246
	KKR Real Estate	10,720	304	*	Forge Global Holdings	5,050	240
	Finance Trust Inc.	27,372	362		Inc.	71,666	246
	American National	2.,0.2	002		Arrow Financial Corp.	8,713	243
	Bankshares Inc.	7,342	358	1	B Riley Financial Inc.	11,399	239
	TrustCo Bank Corp. NY	11,528	358		Sierra Bancorp	10,371	234
	United Fire Group Inc.	17,731	357		Capital City Bank Group		
	Camden National Corp.	9,320	351		Inc.	7,891	232
	Independent Bank				Citizens & Northern		
	Corp.	13,430	349		Corp.	10,308	231
	Flushing Financial Corp.	20,973	346		Burke & Herbert		
	Coastal Financial Corp.	7,793	346		Financial Services	2 620	220
*	CNB Financial Corp. EZCorp. Inc. Class A	15,254	345 339	*	Corp. LendingTree Inc.	3,628	228 224
	Tiptree Inc.	38,810 17,754	337		Crawford & Co. Class A	7,381 16,750	224
	Cambridge Bancorp	4,727	328		Waterstone Financial	10,730	221
	Universal Insurance	1,727	020		Inc.	15,475	220
	Holdings Inc.	20,437	327		Esquire Financial	10, 170	220
	First Foundation Inc.	33,535	325		Holdings Inc.	4,353	217
	First Community	,		*	loanDepot Inc. Class A	61,728	217
	Bankshares Inc.	8,739	324		Bank of Marin Bancorp	9,824	216
	Invesco Mortgage				Enterprise Bancorp Inc.	6,660	215
	Capital Inc. REIT	36,250	321		BayCom Corp.	9,049	213
	Central Pacific Financial				Capstar Financial		
	Corp.	16,183	318		Holdings Inc.	11,382	213
	Perella Weinberg	05.000	24-		Northeast Bank	3,845	212
	Partners	25,929	317		Primis Financial Corp.	16,733	212
	First Financial Corp.	7,285	313		Orrstown Financial	7126	210
	Peapack-Gladstone Financial Corp.	10 402	313	*	Services Inc. Southern First	7,126	210
	i ilialiciai culp.	10,493	313		Bancshares Inc.	5,656	210
					Santoniaros inte.	5,000	210

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
*	Bridgewater				Guaranty Bancshares		
	Bancshares Inc.	15,252	206		Inc.	4,660	157
	First Bank	13,997	206		Home Bancorp Inc.	3,743	157
	Citizens Financial	10,007	200		C&F Financial Corp.	2,281	156
	Services Inc.	3,188	206		Five Star Bancorp	5,975	156
	Civista Bancshares Inc.	11,120	205		ESSA Bancorp Inc.	7,596	152
	MidWestOne Financial	11,120	200		Middlefield Banc Corp.	4,658	151
	Group Inc.	7,622	205	*	Southern California	4,000	101
	HBT Financial Inc.	9,718	205		Bancorp	8,714	151
	FS Bancorp Inc.	5,528	204		Regional Management	0,714	131
	Fidelity D&D Bancorp	3,320	204		Corp.	5,980	150
	Inc.	3,517	204		Colony Bankcorp Inc.	11,165	148
	Farmers & Merchants	3,317	204		Red River Bancshares	11,105	140
	Bancorp Inc.	8,192	203		Inc.	2,646	148
	Chicago Atlantic Real	0,132	200		AFC Gamma Inc.	12,195	147
	Estate Finance Inc.	12,398	201		Orange County Bancorp	12,100	147
	Codorus Valley Bancorp	12,330	201		Inc.	2,434	147
	Inc.	7652	197		MainStreet Bancshares	2,434	147
*		7,652	137		Inc.	E 070	146
	Greenlight Capital Re Ltd. Class A	17246	197	*	California BanCorp	5,879	
	Mid Penn Bancorp Inc.	17,246				5,914	146
		8,011	195		Greene County Bancorp	F 000	111
	Hingham Institution for	000	104		Inc.	5,096	144
	Savings	998	194		Central Valley	0.010	1.41
	RBB Bancorp	10,024	191		Community Bancorp	6,312	141
_	MBIA Inc.	30,978	190		Oppenheimer Holdings	0.440	
_	Carter Bankshares Inc.	12,707	190		Inc. Class A	3,410	141
	Blue Foundry Bancorp First of Long Island	19,670	190		AG Mortgage Investment Trust Inc.	22,081	140
	Corp.	14,231	188		Chemung Financial		
	James River Group				Corp.	2,801	139
	Holdings Ltd.	20,375	188		First United Corp.	5,904	139
	West BanCorp. Inc.	8,776	186		First Community Corp.	6,423	138
	South Plains Financial				Princeton Bancorp Inc.	3,849	138
	Inc.	6,388	185	*	Hagerty Inc. Class A	17,303	135
	Financial Institutions				Oak Valley Bancorp	4,464	134
	Inc.	8,542	182		Southern States		
	Investors Title Co.	1,118	181		Bancshares Inc.	4,587	134
	Timberland Bancorp			*	Velocity Financial Inc.	7,686	132
	Inc.	5,735	180		Capital Bancorp Inc.	5,450	132
	John Marshall Bancorp	•			Norwood Financial	,	
	Inc.	7,930	179		Corp.	3,972	131
1	NexPoint Diversified				Virginia National		
	Real Estate Trust	22,492	179		Bankshares Corp.	3,803	131
*	Third Coast Bancshares	, -			Cherry Hill Mortgage	.,	
	Inc.	8,955	178		Investment Corp.	32,229	130
	PCB Bancorp	9,463	174		Western New England	,	
*	American Coastal	-,			Bancorp Inc.	14,481	130
	Insurance Corp.				HomeStreet Inc.	12,531	129
	Class C	18,382	174	*	Heritage Insurance	.2,00	.20
	Summit Financial Group	.0,002			Holdings Inc.	19,570	128
	Inc.	5,649	173		Penns Woods Bancorp	.0,070	.20
	ChoiceOne Financial	0,010	170		Inc.	5,670	128
	Services Inc.	5,893	173	*	eHealth Inc.	14,420	126
	First Business Financial	0,000	170		Parke Bancorp Inc.	6,244	126
	Services Inc.	4,292	172		BCB Bancorp Inc.	9,445	121
	First Internet Bancorp	6,960	168		Donegal Group Inc.	3,443	121
*	Ponce Financial Group	0,500	100		Class A	8,568	120
	Inc.	17,208	160		LCNB Corp.		120
			168 167	*		7,580	
	Plumas Bancorp	4,045	167 160		FVCBankcorp Inc.	8,396	119
	MVB Financial Corp.	7,102	160		Investar Holding Corp.	7,982	119
	First Bancorp Inc. (XNGS)	5,583	158		Peoples Bancorp of North Carolina Inc.	3,935	119
	(AINGO)	5,565	100		NOTELL CALUILLA IIIC.	0,300	113

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	N : 15 11	Silaies	(\$000)		12.11		
	National Bankshares	2.647	110		Linkbancorp Inc.	8,740	70 69
	Inc.	3,647	118	*	Sachem Capital Corp.	18,378	
	Meridian Corp.	8,472	118		BV Financial Inc.	4,787	68
	Union Bankshares Inc.	3,794	116		OP Bancorp	5,995	66
Ť	Finwise Bancorp	7,943	114		First Northwest		
*	Bakkt Holdings Inc.	50,567	113		Bancorp	3,959	63
	Evans Bancorp Inc.	3,554	112		Lument Finance Trust		
*	First Western Financial				Inc.	27,115	63
	Inc.	5,599	111		Eagle Bancorp Montana		
	Seven Hills Realty Trust	8,503	110		Inc.	3,864	61
	William Penn Bancorp				Finward Bancorp	2,353	59
	Inc.	8,580	105	*	Oportun Financial Corp.	14,660	57
*	Pioneer Bancorp Inc.	10,394	104	*	Dave Inc.	6,507	55
	United Security				First Guaranty		
	Bancshares	12,285	103		Bancshares Inc.	4,672	52
*	Ocwen Financial Corp.	3,313	102		Summit State Bank	4,372	52
	Northeast Community	0,0.0	.02		First National Corp.	2,392	52
	Bancorp Inc.	5,724	102		Franklin Financial	2,002	02
	Ames National Corp.	4,723	101		Services Corp.	1,572	50
*	NI Holdings Inc.	7,567	98		AmeriServ Financial	1,572	50
*	Sterling Bancorp Inc.	,	97		Inc.	15 247	49
	Bankwell Financial	16,749	97	*		15,247	49
		0.177	00		Security National		
*	Group Inc.	3,177	96		Financial Corp.	F 000	47
	Citizens Inc.	35,558	96		Class A	5,230	47
*	Heritage Global Inc.	34,014	95		BankFinancial Corp.	4,443	46
	Unity Bancorp Inc.	3,134	93	*	Luther Burbank Corp.	4,292	46
	Guild Holdings Co.				First Savings Financial		
	Class A	6,557	92		Group Inc.	2,763	46
	Westwood Holdings				US Global Investors Inc.		
	Group Inc.	7,041	89		Class A	15,552	44
	Ellington Residential				Riverview Bancorp Inc.	6,661	43
	Mortgage REIT	14,570	89	*	GoHealth Inc. Class A	3,042	41
*	ECB Bancorp Inc.	7,042	88	*	Caret Holdings Inc.		
*	Maiden Holdings Ltd.	38,102	87		Class A	3,646	38
	Medallion Financial			*	Great Elm Group Inc.	18,596	36
	Corp.	8,839	87		Manhattan Bridge	-,	
*	USCB Financial	,			Capital Inc.	6,830	34
	Holdings Inc.	7,092	87		Blue Ridge Bankshares	-,	
*	Kingsway Financial	,			Inc.	9,916	30
	Services Inc.	10,215	86		First Capital Inc.	1,076	29
*	Provident Bancorp Inc.	8,209	83		Hanover Bancorp Inc.	1,490	26
	Nexpoint Real Estate	0,200	00		First Financial	1,100	20
	Finance Inc.	5,255	83		Northwest Inc.	1,845	25
	Silvercrest Asset	3,233	00	*	Nicholas Financial Inc.	3,692	25
	Management Group						22
		4 001	00	*	Hennessy Advisors Inc.	3,282	22
	Inc. Class A	4,801	82		Broadway Financial	0.045	20
	Great Ajax Corp.	15,005	80		Corp	3,045	20
	Consumer Portfolio	0.500			Kingstone Cos. Inc.	8,512	18
	Services Inc.	8,509	80		Safeguard Scientifics		
*	Hippo Holdings Inc.	8,539	78		Inc.	17,737	14
	Bank7 Corp.	2,764	76	*	Curo Group Holdings		
	Territorial Bancorp Inc.	6,581	73		Corp.	12,507	10
	Hawthorn Bancshares			*	Conifer Holdings Inc.	4,822	5
	Inc.	2,891	73			_	3,362,947
	Angel Oak Mortgage			Нα	ealth Care (12.0%)		0,002,047
	REIT Inc.	6,897	73	110	Eli Lilly & Co.	572,764	222 076
*	ACRES Commercial				UnitedHealth Group	512,104	333,876
	Realty Corp.	7,472	72		Inc.	619,875	326,346
	Old Point Financial	•					
	Corp.	4,032	71		Johnson & Johnson	1,613,575	252,912
	Provident Financial	•			Merck & Co. Inc. AbbVie Inc.	1,698,979	185,223
	Holdings Inc.	5,547	70		Appivie Inc.	1,183,337	183,382
	J- ···-·	-,	• •				

			Market				Market
		Shares	Value• (\$000)			Shares	Value* (\$000)
_	Thermo Fisher		(4444)	_	Viatris Inc.	799,444	
	Scientific Inc.	258,918	127/21		Bio-Techne Corp.	106,087	8,658 8,186
	Abbott Laboratories		137,431	*	Charles River	100,007	0,100
	Pfizer Inc.	1,163,865 3,786,979	128,107		Laboratories		
	Amgen Inc.	358,752	109,027		International Inc.	24 152	8,074
	•	,	103,328	*		34,153	
*	Danaher Corp.	445,800	103,131		Incyte Corp.	126,743	7,958
	Intuitive Surgical Inc.	236,300	79,718		Teleflex Inc.	31,366	7,821
	Elevance Health Inc.	157,564	74,301		Royalty Pharma plc	055.040	7400
	Medtronic plc	891,971	73,481	*	Class A	255,916	7,189
	Vertex Pharmaceuticals	470 700	70.000		United Therapeutics	04 044	0.054
	Inc.	172,780	70,302		Corp.	31,611	6,951
	Bristol-Myers Squibb			*	Karuna Therapeutics		
	Co.	1,364,638	70,020		Inc.	21,873	6,923
	Stryker Corp.	229,008	68,579	*	Henry Schein Inc.	87,667	6,637
	Gilead Sciences Inc.	835,592	67,691	*	Repligen Corp.	35,810	6,439
*	Regeneron			*	Penumbra Inc.	24,562	6,178
	Pharmaceuticals Inc.	68,042	59,761		Chemed Corp.	10,195	5,962
	Cigna Group	196,317	58,787		Universal Health		
*	Boston Scientific Corp.	980,775	56,699		Services Inc. Class B	39,096	5,960
	Zoetis Inc.	277,234	54,718	*	Sarepta Therapeutics	,	•
	Becton Dickinson & Co.	194,872	47,516		Inc.	59,961	5,782
	Humana Inc.	82,616	37,822	*	Cytokinetics Inc.	67,420	5,629
	HCA Healthcare Inc.	134,594	36,432	*	ImmunoGen Inc.	178,935	5,305
*	DexCom Inc.	259,733	32,230	*	Catalent Inc.	115,317	5,181
*	Edwards Lifesciences	200,700	02,200	*	Tenet Healthcare Corp.	67,626	5,110
	Corp.	407,254	31,053	*	Exelixis Inc.	210,445	5,049
*	IDEXX Laboratories Inc.			*		16,473	5,049
*	IQVIA Holdings Inc.	55,726	30,931		Medpace Holdings Inc. DENTSPLY SIRONA	10,473	5,049
		122,305	28,299			140 747	E 000
	Agilent Technologies	106 200	27200	*	Inc.	140,747	5,009
*	Inc.	196,290	27,290		Jazz Pharmaceuticals	40 157	4 000
_	Centene Corp.	358,784	26,625		plc	40,157	4,939
_	Biogen Inc.	97,247	25,165		Elanco Animal Health		
*	Moderna Inc.	230,596	22,933		Inc. (XNYS)	328,302	4,892
	GE Healthcare Inc.	259,791	20,087	*	Natera Inc.	77,038	4,826
	West Pharmaceutical			*	Shockwave Medical		
	Services Inc.	49,550	17,448		Inc.	24,800	4,726
	Zimmer Biomet			*	Ionis Pharmaceuticals		
	Holdings Inc.	139,903	17,026		Inc.	91,207	4,614
*	Veeva Systems Inc.			*	Acadia Healthcare Co.		
	Class A	88,160	16,973		Inc.	59,112	4,597
	ResMed Inc.	98,431	16,932		Encompass Health		
	Cardinal Health Inc.	165,167	16,649		Corp.	67,155	4,481
*	Alnylam				Bruker Corp.	60,916	4,476
	Pharmaceuticals Inc.	83,841	16,048	*	Intra-Cellular Therapies		
*	Illumina Inc.	106,002	14,760		Inc.	61,899	4,433
	STERIS plc	65,900	14,488	*	Bio-Rad Laboratories	- 1,	.,
*	Molina Healthcare Inc.	39,039	14,105		Inc. Class A	13,537	4,371
*	Align Technology Inc.	48,579	13,311		Ensign Group Inc.	38,034	4,268
	Baxter International Inc.	339,700	13,133	*	Globus Medical Inc.	30,004	4,200
	Laboratory Corp. of	000,700	10,100		Class A	80,091	4,268
	America Holdings	56,923	12,938	*	Inspire Medical	00,001	4,200
	Cooper Cos. Inc.	33,026	12,498		Systems Inc.	20,040	4,077
*		33,020	12,430	*		20,040	4,077
	BioMarin Pharmaceutical Inc.	126 752	12,222		Apellis Pharmaceuticals Inc.	67,014	A 011
*		126,753		*	Option Care Health Inc.		4,011
*	Hologic Inc.	161,885	11,567	*		118,239	3,983
	Avantor Inc.	452,561	10,332		Masimo Corp.	33,386	3,913
_	Quest Diagnostics Inc.	74,718	10,302	*	HealthEquity Inc.	57,667	3,823
*	Insulet Corp.	46,863	10,168	*	Blueprint Medicines	40	
	Revvity Inc.	83,104	9,084		Corp.	40,643	3,749
*	Exact Sciences Corp.	121,725	9,005	*	Vaxcyte Inc.	58,261	3,659
*	Neurocrine Biosciences			*	10X Genomics Inc.		
	Inc.	66,084	8,707		Class A	63,599	3,559

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Bridgebio Pharma Inc. DaVita Inc.	88,090 33,701	3,556 3,530	*	Premier Inc. Class A Corcept Therapeutics	79,437	1,776
*	Halozyme Therapeutics Inc.	88,127	3,257	*,1	Inc.	53,616	1,741
*	Alkermes plc	112,891	3,132	, .	Holdings Inc.	1,006,233	1,701
*	Insmed Inc.	97,836	3,032	*	TransMedics Group Inc.	21,384	1,688
*	REVOLUTION	,	-,	*	Nuvalent Inc. Class A	22,871	1,683
	Medicines Inc.	105,550	3,027	*	Immunovant Inc.	39,614	1,669
*	Haemonetics Corp.	34,494	2,950		Patterson Cos. Inc.	57,704	1,642
,	Perrigo Co. plc	90,329	2,907		Select Medical	00.405	4 000
	Amicus Therapeutics	000 000	0.070	*	Holdings Corp.	69,495	1,633
*	Inc.	202,229	2,870	*	Surgery Partners Inc.	50,855	1,627 1,598
	Merit Medical Systems Inc.	37,663	2,861	*	CorVel Corp. TG Therapeutics Inc.	6,464 92,514	1,580
*	Lantheus Holdings Inc.	45,456	2,818	*	ICU Medical Inc.	15,644	1,560
*	Envista Holdings Corp.	116,794	2,810	*	Amphastar	10,011	1,000
*	Neogen Corp.	131,310	2,641		Pharmaceuticals Inc.	25,012	1,547
*	agilon health Inc.	205,802	2,583	*	Privia Health Group Inc.	66,279	1,526
*	Ultragenyx		_,,,,,	*	SpringWorks		.,
	Pharmaceutical Inc.	53,841	2,575		Therapeutics Inc.	41,029	1,498
*	ACADIA			*	Denali Therapeutics Inc.	68,961	1,480
	Pharmaceuticals Inc.	80,942	2,534	*	Crinetics		
	Organon & Co.	174,105	2,511		Pharmaceuticals Inc.	41,525	1,477
*	Azenta Inc.	38,317	2,496	*	Certara Inc.	82,746	1,455
*	Madrigal			*	PTC Therapeutics Inc.	51,992	1,433
	Pharmaceuticals Inc.	10,726	2,482	*	NeoGenomics Inc.	88,491	1,432
	Teladoc Health Inc.	115,194	2,482	*	Ideaya Biosciences Inc.	39,781	1,415
	Glaukos Corp.	30,933	2,459	*	Celldex Therapeutics	05 505	4 400
*	QuidelOrtho Corp.	33,212	2,448	*	Inc.	35,535	1,409
	Evolent Health Inc. Class A	72 500	2 421		Rocket Pharmaceuticals Inc.		1,406
	CONMED Corp.	73,590 20,893	2,431 2,288	*	Arcellx Inc.	46,898 25,140	1,406
*	Mirati Therapeutics Inc.	38,939	2,288	*	Veracyte Inc.	50,564	1,395
*	Integer Holdings Corp.	22,540	2,233	*	Twist Bioscience Corp.	37,019	1,365
*	Inari Medical Inc.	32,170	2,088	*	Iovance Biotherapeutics	07,010	1,000
*	Axonics Inc.	33,508	2,085		Inc.	159,618	1,298
*	Amedisys Inc.	21,896	2,081	*	RadNet Inc.	37,320	1,298
*	iRhythm Technologies	,	,	*	Beam Therapeutics Inc.	47,486	1,293
	Inc.	19,438	2,081	*	Arvinas Inc.	30,886	1,271
*	Cerevel Therapeutics			*	Dynavax Technologies		
	Holdings Inc.	48,961	2,076		Corp.	90,730	1,268
*	Fortrea Holdings Inc.	58,912	2,056	*	Tandem Diabetes Care		
*	Prestige Consumer				Inc.	42,362	1,253
_	Healthcare Inc.	33,520	2,052	*	PROCEPT BioRobotics	00 700	4.040
	Doximity Inc. Class A	73,069	2,049	*	Corp.	29,780	1,248
	Arrowhead	66 161	2.025		Apollo Medical	22.200	1 222
*	Pharmaceuticals Inc. Axsome Therapeutics	66,161	2,025	*	Holdings Inc. Catalyst	32,200	1,233
	Inc.	25,415	2,023		Pharmaceuticals Inc.	69,580	1,170
*	Guardant Health Inc.	74,211	2,007	*	Viking Therapeutics Inc.	62,540	1,164
*	Integra LifeSciences	7 .,=	2,007	*	Vericel Corp.	31,914	1,136
	Holdings Corp.	45,806	1,995	*	AtriCure Inc.	31,794	1,135
*	Progyny Inc.	52,986	1,970	*	Myriad Genetics Inc.	59,007	1,129
*	Krystal Biotech Inc.	15,736	1,952	*	Sotera Health Co.	66,690	1,124
*	Rhythm			*	Omnicell Inc.	29,409	1,107
	Pharmaceuticals Inc.	40,626	1,868	*	Syndax		
-	Cymabay Therapeutics	77.004	4 0 4 0		Pharmaceuticals Inc.	51,212	1,107
*	Inc.	77,981	1,842	*	R1 RCM Inc.	102,085	1,079
*	Intellia Therapeutics Inc.	59,124	1,803	-	Recursion		
	Pacific Biosciences of California Inc.	183,137	1,797		Pharmaceuticals Inc. Class A	109,042	1,075
*	Enovis Corp.	32,007	1,797	*	Novocure Ltd.	69,805	1,075
	Enovis Corp.	52,007	1,733		NOVOCUIE ELU.	00,000	1,042

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Ironwood			*	EyePoint		
	Pharmaceuticals Inc.	89,809	1,027		Pharmaceuticals Inc.	26,781	619
*	Supernus			*	MiMedx Group Inc.	70,033	614
	Pharmaceuticals Inc.	35,504	1,027	*	Keros Therapeutics Inc.	15,051	598
*	Inhibrx Inc.	26,856	1,021	*	Alignment Healthcare		
*	Addus HomeCare Corp.	10,934	1,015		Inc.	69,296	597
*	STAAR Surgical Co.	31,579	986	*	Day One		
*	RayzeBio Inc.	15,689	975		Biopharmaceuticals		
*	Owens & Minor Inc.	50,511	973		Inc	40,860	597
	Pacira BioSciences Inc.	28,710	969	*	Pliant Therapeutics Inc.	32,770	593
*	Alphatec Holdings Inc. US Physical Therapy	63,076	953	*	Deciphera Pharmaceuticals Inc.	36,644	591
	Inc.	10,104	941	*,1	Cassava Sciences Inc.	26,237	591
*	Mirum Pharmaceuticals	.0,.0.	0	*	Verve Therapeutics Inc.	42,135	587
	Inc.	31,401	927	*	Soleno Therapeutics	,	
*	Ardelyx Inc.	146,614	909		Inc.	14,591	587
*	UFP Technologies Inc.	5,138	884	*	MannKind Corp.	160,991	586
*	BioCryst	.,		*	Arcus Biosciences Inc.	30,654	585
	Pharmaceuticals Inc.	146,295	876	*	Editas Medicine Inc.	57,163	579
*	Hims & Hers Health	,		*	Accolade Inc.	48,104	578
	Inc.	98,255	874	*	89bio Inc.	51,642	577
*	Relay Therapeutics Inc.	77,937	858	*	Disc Medicine Inc.	9,765	564
*	Xencor Inc.	39,729	843	*	ANI Pharmaceuticals	•	
*	Protagonist				Inc.	10,210	563
	Therapeutics Inc.	36,191	830	*	Varex Imaging Corp.	27,432	562
*	Agios Pharmaceuticals			*	Innoviva Inc.	34,734	557
	Inc.	36,572	814	*	Amneal		
*	Sage Therapeutics Inc.	37,521	813		Pharmaceuticals Inc.	91,556	556
	National HealthCare			*	Alpine Immune		
	Corp.	8,649	799		Sciences Inc.	28,788	549
*	Viridian Therapeutics			*	Amylyx		
	Inc.	36,549	796		Pharmaceuticals Inc.	36,686	540
*	Phreesia Inc.	34,256	793	*	Healthcare Services		
*	Warby Parker Inc.				Group Inc.	51,351	532
	Class A	56,145	792	*	Pediatrix Medical Group		
*	Morphic Holding Inc.	26,581	768		Inc.	55,482	516
*	Scholar Rock Holding				SI-BONE Inc.	24,527	515
	Corp.	40,726	766	*	Zentalis		
_	Akero Therapeutics Inc.	32,547	760		Pharmaceuticals Inc.	34,017	515
	Harmony Biosciences	00.047	754		4D Molecular	04.000	505
*	Holdings Inc.	23,247	751		Therapeutics Inc.	24,930	505
	Geron Corp. (XNGS)	355,050	749	*	National Research Corp.	12,703	503
*	LeMaitre Vascular Inc.	12,968	736		Arcturus Therapeutics	15.056	E00
*	Avanos Medical Inc.	32,399	727	*	Holdings Inc. Maravai LifeSciences	15,956	503
	Ligand Pharmaceuticals	10 170	707			74 000	400
	Inc.	10,173	727	*	Holdings Inc. Class A	74,883	490
*	Embecta Corp.	37,671	713		Olema Pharmaceuticals	04.074	400
*	Kura Oncology Inc.	48,316	695	*	Inc.	34,371	482
	Brookdale Senior Living	1177/7	605	*	Nevro Corp. Avidity Biosciences Inc.	22,284	480 478
*	Inc. Vir Biotechnology Inc.	117,747 67,206	685 676	*	Revance Therapeutics	52,805	4/0
*	Kymera Therapeutics	07,200	070		•	E4 270	177
	Inc.	26,515	675	*	Inc. Artivion Inc.	54,270 26,298	477 470
*	RxSight Inc.	16,736	675	*,1	ImmunityBio Inc.	90,514	454
*	Collegium	10,730	0/5	*,1	Anavex Life Sciences	50,514	404
	Pharmaceutical Inc.	21,847	672	,,	Corp.	48,655	453
*	Cytek Biosciences Inc.	71,847	655	*	OmniAb Inc.	48,655 72,981	453 450
*	Cabaletta Bio Inc.	28,388	644	*	Zymeworks Inc.	42,912	446
*	ADMA Biologics Inc.	141,451	639	*	CareDx Inc.	36,939	443
*	Rapt Therapeutics Inc.	25,392	631	*	Travere Therapeutics	30,333	443
*	Quanterix Corp.	22,735	622		Inc.	49,248	443
	additions outp.	22,700	022	*	REGENXBIO Inc.	24,573	443
						21,070	771

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
_	D. 1.t. C 1 t. 1			*	0 1 5: :	Ondres	(\$000)
-	BioLife Solutions Inc.	25,648	417	*	Caribou Biosciences	E4 00=	
	HealthStream Inc.	15,412	417		Inc.	51,927	298
*	OPKO Health Inc.	273,854	414		Tourmaline Bio Inc.	11,089	290
*	Adaptive			*	Nurix Therapeutics Inc.	27,960	289
	Biotechnologies			*	Icosavax Inc.	18,146	286
	Corp.	83,604	410	*	Replimune Group Inc.	33,816	285
*	Marinus			*	Alector Inc.	35,666	285
	Pharmaceuticals Inc.	37,627	409	*	Fulcrum Therapeutics		
*	Tarsus Pharmaceuticals				Inc.	41,311	279
	Inc.	20,054	406	*	Community Health	, -	
*	Dyne Therapeutics Inc.	30,414	404		Systems Inc.	88,429	277
*,1	Novavax Inc.	84,056	403	*	CVRx Inc.	8.704	274
*	Savara Inc.	85,084	400	*	AnaptysBio Inc.	12,747	273
*		33.257	400	*	Avid Bioservices Inc.		273
*	Liquidia Corp.	,		*		41,974	
*	Ambrx Biopharma Inc.	28,118	400	*	Pennant Group Inc.	19,258	268
	MacroGenics Inc.	41,349	398		ModivCare Inc.	6,033	265
~	OraSure Technologies			*	Paragon 28 Inc.	21,144	263
	Inc.	47,836	392	*,1	Biomea Fusion Inc.	17,973	261
*	LifeStance Health			*	Lyell Immunopharma		
	Group Inc.	49,785	390		Inc.	133,452	259
*	Acelyrin Inc.	52,232	390	*	Theravance Biopharma		
*	Fulgent Genetics Inc.	13,415	388		Inc.	22,737	256
*	Treace Medical	,		*,1	Prime Medicine Inc.	28,911	256
	Concepts Inc.	30,249	386	*	Cerus Corp.	117,250	253
*	Tango Therapeutics Inc.	38,224	378	*	Immunome Inc.	23,538	252
*	Evolus Inc.	35,670	376	*	Anika Therapeutics Inc.	11,076	251
*	Apogee Therapeutics	33,070	370	*	Nkarta Inc.	,	249
	1 0 1	10 100	267	*		37,665	
*	Inc.	13,123	367	*	SomaLogic Inc.	97,861	248
_	AdaptHealth Corp.	49,976	364		Vera Therapeutics Inc.	16,082	247
-	PetIQ Inc.	18,318	362		iRadimed Corp.	5,161	245
	Atrion Corp.	950	360	*	Tactile Systems		
*	Health Catalyst Inc.	38,571	357		Technology Inc.	17,169	245
*	An2 Therapeutics Inc.	17,261	354	*	Allogene Therapeutics		
*	Edgewise Therapeutics				Inc.	75,178	241
	Inc.	32,287	353	*	Coherus Biosciences		
*	Kiniksa Pharmaceuticals				Inc.	72,373	241
	Ltd. Class A	19,941	350	*	Harrow Inc.	21,068	236
*	Sana Biotechnology Inc.	85,796	350	*	Voyager Therapeutics		
*	Multiplan Corp.	240,079	346		Inc.	27,939	236
*	Enhabit Inc.	33,323	345	*	Arbutus Biopharma	2,,000	200
*	Altimmune Inc.	30,386	342		Corp.	94,484	236
*	Zimvie Inc.	18,957	336	*	American Well Corp.	34,404	200
*		10,557	550		Class A	150 201	236
	GoodRx Holdings Inc.	40.140	200	*		158,201	
_	Class A	49,148	329		Ocular Therapeutix Inc.	52,253	233
	Orthofix Medical Inc.	24,357	328		Avita Medical Inc.	16,954	233
	Castle Biosciences Inc.	15,171	327		Axogen Inc.	32,599	223
*	ALX Oncology Holdings			*	Phathom		
	Inc.	21,569	321		Pharmaceuticals Inc.	24,407	223
*	Cogent Biosciences			*	KalVista		
	Inc.	54,368	320		Pharmaceuticals Inc.	17,876	219
*	DocGo Inc.	56,968	318	*	Sharecare Inc.	197,135	213
*	Surmodics Inc.	8,541	310	*	Fennec		
*	Organogenesis	-/			Pharmaceuticals Inc.	18,720	210
	Holdings Inc.	75,365	308	*	Celcuity Inc.	14,331	209
*	Pulmonx Corp.		306	*,1	Enliven Therapeutics	14,001	200
*		23,982		, '		14 001	205
*	OrthoPediatrics Corp.	9,379	305	*	Inc.	14,831	205
	HilleVax Inc.	18,825	302		iTeos Therapeutics Inc.	18,508	203
*	ORIC Pharmaceuticals				Fate Therapeutics Inc.	54,076	202
	Inc.	32,768	301	*	Scilex Holding Co.		
*	Silk Road Medical Inc.	24,464	300		(XNCM)	98,337	201
*	MaxCyte Inc.	63,539	299	*	AngioDynamics Inc.	25,475	200
				*	908 Devices Inc.	17,668	198

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Summit Therapeutics			*	Akebia Therapeutics		
	Inc. (XNMS)	75,930	198		Inc.	115,906	144
*	Clover Health			*	Gossamer Bio Inc.	153,515	140
	Investments Corp.	207,451	197		Aldeyra Therapeutics	20.700	120
*	Agenus Inc.	236,170	196	*	Inc.	39,700	139
*	Outset Medical Inc. Talkspace Inc.	35,262 75,188	191 191		Puma Biotechnology Inc.	31,801	138
*	Cullinan Oncology Inc.	18,523	189	*	Immuneering Corp.	31,001	130
*,1	Entrada Therapeutics	10,020	100		Class A	18,782	138
	Inc.	12,169	184	*,1		41,682	136
*	Xeris Biopharma				SIGA Technologies Inc.	24,311	136
	Holdings Inc.	78,258	184	*	Sanara Medtech Inc.	3,304	136
*	Invivyd Inc.	45,821	181	*	Harvard Bioscience Inc.	25,313	135
*	Agiliti Inc.	22,749	180	*,1	Pulse Biosciences Inc.	11,003	135
*	Bluebird Bio Inc.	129,160	178	*,1	Zomedica Corp.	672,102	135
*	Aura Biosciences Inc.	19,830	176	*	Dianthus Therapeutics		
Ţ	Korro Bio Inc.	3,681	176		Inc.	12,650	132
	Sutro Biopharma Inc.	40,875	175		Ovid therapeutics Inc.	40,633	131
-	Aerovate Therapeutics	7.070	174		ClearPoint Neuro Inc.	19,277	131
*	Inc.	7,673	174	*	Annexon Inc. Praxis Precision	28,844	131
	Esperion Therapeutics	E7040	170			E 077	101
*	Inc. Astria Therapeutics Inc.	57,940	173 173	*	Medicines Inc. Semler Scientific Inc.	5,877 2,930	131 130
*	Mersana Therapeutics	22,465	1/3	*	Codexis Inc.	41,959	128
	Inc.	74,321	172	*	Orchestra BioMed	41,333	120
*	Rigel Pharmaceuticals	74,021	172		Holdings Inc.	13,952	127
	Inc.	118,372	172	*,1	Harpoon Therapeutics	10,002	127
*	Terns Pharmaceuticals	,	.,_		Inc.	11,186	127
	Inc.	26.275	171	*	Heron Therapeutics Inc.	73,891	126
*	Genelux Corp.	12,171	170	*	Lexicon	,	
*	Taysha Gene Therapies				Pharmaceuticals Inc.	81,719	125
	Inc.	94,415	167	*	Standard Bio Tools Inc.	55,941	124
*	Monte Rosa			*,2	PDL BioPharma Inc.	76,234	123
	Therapeutics Inc.	29,490	167	*	Lyra Therapeutics Inc.	23,364	122
*	Zynex Inc.	15,250	166	*	Viemed Healthcare Inc.	15,567	122
*	Atea Pharmaceuticals			*	Absci Corp.	28,820	121
	Inc.	54,141	165	*	Enanta Pharmaceuticals	40.074	440
*	Verastem Inc.	20,279	165	_	Inc.	12,671	119
	Utah Medical Products	1 000	101		Joint Corp.	12,384	119
*	Inc.	1,908	161		Larimar Therapeutics	26 170	110
*	Accuray Inc.	56,460	160	*	Inc.	26,178	119 119
	Y-mAbs Therapeutics Inc.	23,165	158	*	Augmedix Inc. Abeona Therapeutics	20,408	119
*	Zevra Therapeutics Inc.	24,085	158		Inc.	23,529	118
*	Vanda Pharmaceuticals	24,000	150	*	CorMedix Inc.	30,814	116
	Inc.	37,164	157	*	Stoke Therapeutics Inc.	21,635	114
*	23andMe Holding Co.	07,101	107	*	Third Harmonic Bio Inc.	10,433	114
	Class A	172,212	157	*	Precigen Inc.	84,404	113
*	2seventy bio Inc.	36,686	157	*	Arcutis Biotherapeutics		
	Phibro Ánimal Health				Inc.	34,869	113
	Corp. Class A	13,442	156	*	Nautilus Biotechnology		
*	C4 Therapeutics Inc.	27,453	155		Inc.	37,768	113
*,1	Senseonics Holdings			*	TScan Therapeutics Inc.	19,120	111
	Inc.	269,188	153	*	Mineralys Therapeutics		
*	OptimizeRx Corp.	10,556	151		Inc.	12,895	111
~	Poseida Therapeutics	44040		*	Allakos Inc.	39,930	109
	Inc.	44,843	151	*,1 *	Invitae Corp.	174,382	109
*,1	Nuvation Bio Inc.	100,004	151	^	Lineage Cell	00 041	100
, 1	Sera Prognostics Inc. Class A	25,316	151	*	Therapeutics Inc. Merrimack	99,941	109
*,1		25,316	150		Pharmaceuticals Inc.	8,157	109
,.	Chattack Labs IIIc.	21,100	150		. Harriacouticais iilc.	0,107	103

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*,1	Vistagen Therapeutics			*	Karyopharm		
	Inc.	21,184	109		Therapeutics Inc.	87,962	76
*	Quantum-Si Inc.	53,609	108	*	Ventyx Biosciences Inc.	30,664	76
*	Tela Bio Inc. Optinose Inc.	16,235 81,301	107 105		CytomX Therapeutics Inc.	48,168	75
*	Tyra Biosciences Inc.	7,492	104	*	Emergent BioSolutions	40,100	7.5
*	X4 Pharmaceuticals Inc.	120,734	101		Inc.	30,037	72
*	Inovio Pharmaceuticals			*	BioAtla Inc.	28,992	71
	Inc.	195,712	100	*	Bioventus Inc. Class A	13,494	71
*	Innovage Holding Corp.	16,618	100	*	Biote Corp. Class A	14,293	71
	InfuSystem Holdings	0.400	00	*	Nektar Therapeutics	122,239	69
*	Inc. Myomo Inc.	9,429 19,705	99 99		Achieve Life Sciences Inc.	16,807	69
*	Longboard	19,700	99	*	Eton Pharmaceuticals	10,607	09
	Pharmaceuticals Inc.	16,186	98		Inc.	15,500	68
*	Inozyme Pharma Inc.	22,831	97	*	Stereotaxis Inc.	37,475	66
*	GlycoMimetics Inc.	39,833	94	*	Greenwich Lifesciences		
*	Capricor Therapeutics				Inc.	6,258	66
	Inc.	19,231	94	*	Assertio Holdings Inc.	61,718	66
	FONAR Corp. Actinium	4,742	93	*,1	Seer Inc. Citius Pharmaceuticals	33,292	65
	Pharmaceuticals Inc.	18.282	93	, '	Inc.	85,694	65
*	Sight Sciences Inc.	17,966	93	*,1		21,645	65
*	Computer Programs	1,,000	00	*	Mural Oncology plc	10,902	65
	and Systems Inc.	8,198	92	*	Cue Biopharma Inc.	24,434	64
*	Seres Therapeutics Inc.	66,052	92	*	Akoya Biosciences Inc.	13,086	64
*	ARS Pharmaceuticals				Carisma Therapeutics		
	Inc.	16,780	92		Inc.	21,948	64
*	Humacyte Inc.	32,332	92	*	Kodiak Sciences Inc.	20,721	63
	PMV Pharmaceuticals Inc.	29,279	91	*	Vor BioPharma Inc. Galectin Therapeutics	28,015	63
*	Foghorn Therapeutics	25,275	31		Inc.	37,318	62
	Inc.	13,954	90	*,1	Cartesian Therapeutics	07,010	02
*	Butterfly Network Inc.	83,265	90		Inc. (XNMS)	89,345	62
*	Applied Therapeutics			*	Sangamo Therapeutics		
	Inc.	26,670	89		Inc.	110,293	60
	Relmada Therapeutics	01 504	00	*	KORU Medical Systems	04.010	00
*	Inc. Aveanna Healthcare	21,534	89	*	Inc. enVVeno Medical Corp.	24,313	60 60
	Holdings Inc.	33,268	89	*	Syros Pharmaceuticals	11,710	00
*	Erasca Inc.	40,997	87		Inc.	7,704	60
*	Compass Therapeutics	,		*	Prelude Therapeutics	,	
	Inc.	55,213	86		Inc.	13,754	59
*	XOMA Corp.	4,608	85	*	Graphite Bio Inc.	22,375	59
*	PDS Biotechnology	17101	0.5	*	Acumen	15.007	Ε0.
*	Corp. scPharmaceuticals Inc.	17,161 13,399	85 84	*	Pharmaceuticals Inc. Jasper Therapeutics Inc.	15,267 74,930	59 59
*,1	Annovis Bio Inc.	4,518	84	*	Oncology Institute Inc.	29,068	59
*	Inogen Inc.	15,064	83	*	FibroGen Inc.	65,439	58
*	Tenaya Therapeutics	.0,00.	00	*	Lexeo Therapeutics Inc.	4,272	57
	Inc.	25,755	83	*	Athira Pharma Inc.	22,843	55
*	Anixa Biosciences Inc.	21,079	82	*	Hyperfine Inc.	49,477	55
*,1	IGM Biosciences Inc.	9,841	82	*	ChromaDex Corp.	37,499	54
*,1 *	CEL-SCI Corp.	29,843	81	*	Neuronetics Inc.	18,525	54
*	G1 Therapeutics Inc. Gritstone bio Inc.	26,630 39,292	81 80	*	Asensus Surgical Inc. NeuroPace Inc.	165,733 5,190	53 53
*,1	Verrica Pharmaceuticals	33,232	00	*	Omega Therapeutics	5, 190	53
	Inc.	10,956	80		Inc.	17,625	53
*	Janux Therapeutics Inc.	7,344	79	*	Adverum	,	
*	Ocugen Inc.	135,443	78		Biotechnologies Inc.	67,508	51
*	Atossa Therapeutics			*	Corvus		
	Inc.	87,558	77		Pharmaceuticals Inc.	29,109	51

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Enzo Biochem Inc. Personalis Inc.	36,523 24,439	51 51	*	P3 Health Partners Inc. Atara Biotherapeutics	22,736	32
*	Black Diamond				Inc.	60,082	31
	Therapeutics Inc.	18,268	51	*	Passage Bio Inc.	30,974	31
*	Inmune Bio Inc.	4,464	50	*	Acrivon Therapeutics		
*	Reviva Pharmaceuticals				Inc.	6,404	31
*	Holdings Inc.	9,618	50	*	CoDiagnostics Inc.	22,364	30
*	Chimerix Inc.	50,447	49		Design Therapeutics	11 010	20
*	Apyx Medical Corp. Vaxart Inc.	18,313 82,063	48 47	*	Inc. Palatin Technologies Inc.	11,218 7,653	30 30
*	Inotiv Inc.	12,773	47	*	Spero Therapeutics Inc.	19,689	29
*,1	Rani Therapeutics	12,775	47	*	Dermtech Inc.	16,722	29
	Holdings Inc. Class A	14,248	47	*	Werewolf Therapeutics	10,722	25
*	Nuvectis Pharma Inc.	5,612	47		Inc.	7,424	29
*	XBiotech Inc.	11,624	46	*	iCAD Inc.	15,565	28
*	Century Therapeutics			*	Milestone Scientific Inc.	37,457	26
	Inc.	13,813	46	*	Sensus Healthcare Inc.	11,106	26
*	Diamedica Therapeutics			*	Lantern Pharma Inc.	5,987	26
	Inc.	15,764	45	*,1	rianybio corp.	11,052	26
*	Pro-Dex Inc.	2,523	44	*	GeneDx Holdings Corp.	9,600	26
*	Bioxcel Therapeutics			*	Cara Therapeutics Inc.	33,488	25
_	Inc.	15,053	44	*	NGM		
*	ProKidney Corp.	24,730	44		Biopharmaceuticals	00.400	٥٦
*	Cidara Therapeutics Inc.	54,780	43	*	Inc.	29,422	25 25
*	Forian Inc. Aclaris Therapeutics Inc.	14,566	43 42	*	PepGen Inc. Lensar Inc.	3,638 6,985	25 24
*	Outlook Therapeutics	40,404	42	*	Eledon Pharmaceuticals	0,960	24
	Inc.	105,871	42		Inc.	13,263	24
*	Perspective	100,071	12		Mei Pharma Inc.	4,079	24
	Therapeutics Inc.	104,951	42	*	Corbus	.,	
*	Trevi Therapeutics Inc.	31,348	42		Pharmaceuticals		
*	Aquestive Therapeutics				Holdings Inc.	3,766	23
	Inc.	20,542	41	*	NanoString		
*	Generation Bio Co.	25,032	41		Technologies Inc.	29,545	22
*	Kezar Life Sciences Inc.	43,585	41	*	Movano Inc.	28,211	22
	Cardiff Oncology Inc.	27,727	41	*	Bolt Biotherapeutics	40.000	
	Cutera Inc.	11,232	40	*	Inc.	18,932	21
	Clearside Biomedical	22 271	20		Reneo Pharmaceuticals	10.010	0.1
*	Eagle Pharmaceuticals	33,371	39	*	Alpha Teknova Inc.	13,013 5,588	21 21
	Inc.	7,396	39	*	Aadi Bioscience Inc.	10,337	21
*	Adicet Bio Inc.	20,544	39	*	Pyxis Oncology Inc.	11,615	21
*	Curis Inc.	3,056	39	*	ElectroCore Inc.	3,704	21
*	Theseus	2,222		*	Neurogene Inc.	1,072	21
	Pharmaceuticals Inc.	9,484	38	*	Exagen Inc.	9,919	20
*	Dyadic International Inc.	23,051	37	*	IRIDEX Corp.	7,102	20
*	Bionano Genomics Inc.	19,836	37	*,2	Tobira Therapeutics Inc.		
*	Cargo Therapeutics Inc.	1,614	37		CVR	4,500	20
*	Kinnate Biopharma Inc.	15,091	36	*	Ikena Oncology Inc.	9,909	20
*	Vigil Neuroscience Inc.	10,718	36	*	Homology Medicines		
*	Ekso Bionics Holdings	44.005	0.5		Inc.	30,844	19
*	Inc.	14,085	35	*	Lumos Pharma Inc.	5,932	19
*	Scynexis Inc.	15,858	35 34	*	AIM ImmunoTech Inc.	43,668	19
*	Eyenovia Inc. CareMax Inc.	16,207 67077	34 34		Oncternal Therapeutics Inc.	34,025	18
*	Vaxxinity Inc. Class A	67,977 40,231	34	*	Solid Biosciences Inc.	2,867	18
*	CytoSorbents Corp.	29,596	33	*	CareCloud Inc.	11,111	17
*	Rezolute Inc.	33,333	33	*	BioSig Technologies Inc.	34,130	16
*	Matinas BioPharma	20,000	00	*	Quince Therapeutics	3 ., 100	.5
	Holdings Inc.	146,195	32		Inc.	14,974	16
*	Beyond Air Inc.	16,450	32	*	Aligos Therapeutics Inc.	24,596	16
*	Kronos Bio Inc.	25,786	32		•		

			Manhat				N.Aalaat
			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*,1	SELLAS Life Sciences			*	Surrozen Inc.	676	6
	Group Inc.	14,948	16	*	Rapid Micro		
*	Rain Oncology Inc.	13,141	16		Biosystems Inc.		
*	Viracta Therapeutics	00.450	4.0		Class A	7,185	5
* 4 4	Inc.	28,450	16	*,1	Aprea Therapeutics Inc.	1,136	5
^, 1,2	² Cartesian Therapeutics	00.045	10	-	eFFECTOR	0.544	4
*	Inc.	89,345	16 14	*	Therapeutics Inc.	9,544	4
*	Dare Bioscience Inc. Bright Health Group	44,843	14	*	Instil Bio Inc. Atreca Inc. Class A	464	3
	Inc.	1,899	14	*	AcelRx Pharmaceuticals	21,020	3
*	PAVmed Inc.	3,442	14		Inc.	4,532	3
*	Allovir Inc.	19,387	13	*,1		4,367	3
*	Equillium Inc.	17,857	13	*	Seelos Therapeutics	1,007	Ü
*	Cellectar Biosciences	,			Inc.	2,438	3
	Inc.	4,608	13	*	GT Biopharma Inc.	6,559	2
*	Cocrystal Pharma Inc.	7,576	13	*	Venus Concept Inc.	1,850	2
*	Science 37 Holdings			*	Turnstone Biologics		
	Inc.	2,397	13		Corp.	933	2
*	Strata Skin Sciences			*	TFF Pharmaceuticals		
	Inc.	21,171	12		Inc.	243	2
*	TherapeuticsMD Inc.	5,486	12	*,2	Surface Oncology Inc.		
	Dominari Holdings Inc.	4,463	12	* 0	CVR	15,512	1
	Lipocine Inc.	4,409	12	*,2	0,	410 504	
	Onconova Therapeutics	14 441	11	* 2	Pharmaceuticals LLC OmniAb Inc. 12.5	412,534	_
*,1	Inc. Cano Health Inc.	14,441	11 11	,2	Earnout	3,939	
*	Societal CDMO Inc.	1,856 29,155	10	* 2	OmniAb Inc. 15 Earnout	3,939	
*	Retractable	23,133	10	,-	Ominiab inc. 15 Lamout	5,555	
	Technologies Inc.	9,432	10				3,741,585
*	Sensei Biotherapeutics	0, .02		Ind	ustrials (13.0%)	1 050 007	075 000
	Inc.	15,072	10		Visa Inc. Class A	1,058,607	275,608
*	Hepion				Mastercard Inc. Class A Accenture plc Class A	561,039 420,503	239,289
	Pharmaceuticals Inc.	3,104	10	*	Boeing Co.	405,711	147,559 105,753
*	Synlogic Inc.	2,604	10		Caterpillar Inc.	341,375	100,733
*,1	BrainStorm Cell				Union Pacific Corp.	408,179	100,257
	Therapeutics Inc.	33,748	9		General Electric Co.	729,057	93,050
Ť	Bright Green Corp.	26,666	9		Honeywell International	-,	,
*,2	Durect Corp.	15,978	9		Inc.	442,078	92,708
.,2	Spectrum				RTX Corp.	965,048	81,199
	Pharmaceuticals Inc. CVR	100 200	9		United Parcel Service		
*	Alaunos Therapeutics	109,299	9		Inc. Class B (XNYS)	485,035	76,262
	Inc.	111,142	8		Lockheed Martin Corp.	166,336	75,390
*	NRX Pharmaceuticals	111,142	O		Deere & Co.	173,945	69,555
	Inc.	17,185	8		American Express Co.	366,346	68,631
*	Cue Health Inc.	51,949	8		Eaton Corp. plc	267,669	64,460
*	Oncocyte Corp.	3,384	8		Automatic Data	275 227	64.050
*	Incannex Healthcare	-,		*	Processing Inc. Fiserv Inc.	275,827	64,259
	Inc.	1,700	8		Illinois Tool Works Inc.	401,836 191,591	53,380 50,185
*	Orgenesis Inc.	14,863	7		Sherwin-Williams Co.	154,448	48,172
*	Genprex Inc.	32,101	7		CSX Corp.	1,324,735	45,929
*,1	MyMD Pharmaceuticals			*	PayPal Holdings Inc.	723,915	44,456
	Inc.	26,030	7		General Dynamics	,	,
*,1	or is sioniorapoundo	40.700	_		Corp.	164,689	42,765
*	Inc.	10,730	7		Northrop Grumman	•	,
	Molecular Templates	1 000	7		Corp.	90,815	42,514
*	Inc. Precipio Inc.	1,906	7 7		3M Co.	372,617	40,734
*	Sagimet Biosciences	1,034	/		Parker-Hannifin Corp.	86,125	39,678
	Inc. Class A	1,022	6		FedEx Corp.	151,401	38,300
*,1		1,022	U		Trane Technologies plc	152,834	37,276
	Inc.	360	6		Emerson Electric Co.	381,177	37,100
	•		-		Norfolk Southern Corp.	151,768	35,875

		Shares	Market Value• (\$000)			Shares	Market Value• (\$000)
	T D: 0 1						
	TransDigm Group Inc. Cintas Corp.	35,206 57,975	35,614 34,939		Hubbell Inc. Booz Allen Hamilton	35,946	11,824
	PACCAR Inc.	351,219	34,939		Holding Corp.	87,531	11,196
	Carrier Global Corp.	560,909	32,224		JB Hunt Transport	67,551	11,130
	Capital One Financial	300,303	02,224		Services Inc.	55,280	11,042
	Corp.	243,340	31,907		IDEX Corp.	50,679	11,003
*	Block Inc. (XNYS)	371,487	28,735		Jacobs Solutions Inc.	84,511	10,970
	Old Dominion Freight	,	,		Textron Inc.	131,588	10,582
	Line Inc.	65,956	26,734		Synchrony Financial	276,825	10,572
	L3Harris Technologies				Carlisle Cos. Inc.	32,688	10,213
	Inc.	126,780	26,702		Snap-on Inc.	35,075	10,131
	Johnson Controls				Stanley Black & Decker		
	International plc	457,423	26,366		Inc.	102,993	10,104
	Ferguson plc	135,982	26,254		Masco Corp.	149,677	10,025
	United Rentals Inc.	45,514	26,099		HEICO Corp. Class A	69,836	9,947
	Paychex Inc.	217,226	25,874		Packaging Corp. of		
	AMETEK Inc.	154,913	25,544		America	60,218	9,810
	WW Grainger Inc.	29,936	24,808		Graco Inc.	112,205	9,735
	Otis Worldwide Corp.	274,529	24,562		Watsco Inc.	22,686	9,720
	Fidelity National				RPM International Inc.	86,481	9,654
	Information Services Inc.	207664	22.000		Lennox International Inc.	21,491	0.619
	Rockwell Automation	397,664	23,888	*	Zebra Technologies	21,491	9,618
	Inc.	76,859	23,863		Corp. Class A	34,464	9,420
	PPG Industries Inc.	157,639	23,503		Nordson Corp.	34,404	9,003
	Verisk Analytics Inc.	97,194	23,216		TransUnion	130,333	8,955
	Cummins Inc.	94,978	22,754	*	Trimble Inc.	167.511	8,912
	Global Payments Inc.	174,696	22,186		Owens Corning	59,757	8,858
	Quanta Services Inc.	97,375	21,014		AECOM	91,240	8,433
	Ingersoll Rand Inc.	0.,0.0	,		Lincoln Electric	/	2,.22
	(XYNS)	271,698	21,013		Holdings Inc.	37,839	8,228
	Martin Marietta				Pentair plc	110,620	8,043
	Materials Inc.	41,278	20,594	*	TopBuild Corp.	21,263	7,958
	Equifax Inc.	82,702	20,451		Jack Henry &		
	Vulcan Materials Co.	89,151	20,238		Associates Inc.	48,523	7,929
	DuPont de Nemours			*	Saia Inc.	17,790	7,796
_	Inc.	259,847	19,990		Allegion plc	58,566	7,420
-	Keysight Technologies	447005	40.754		Crown Holdings Inc.	80,473	7,411
	Inc.	117,885	18,754		Westrock Co.	174,052	7,227
*	Xylem Inc. Fair Isaac Corp.	160,986 15,746	18,410 18,329		Advanced Drainage Systems Inc.	50,017	7,034
*	Mettler-Toledo	15,740	10,323		Huntington Ingalls	50,017	7,034
	International Inc.	14,577	17,681		Industries Inc.	26,494	6,879
	Fortive Corp.	234,670	17,279		A O Smith Corp.	82,455	6,798
	Westinghouse Air	20 .,070	.,,_,	*	Affirm Holdings Inc.	138,305	6,796
	Brake Technologies				EMCOR Group Inc.	31,093	6,698
	Corp.	120,471	15,288		Toro Co.	69,778	6,698
	Howmet Aerospace	-,	.,		nVent Electric plc	112,144	6,627
	Inc.	275,844	14,929		ITT Inc.	55,274	6,595
	Dover Corp.	93,220	14,338		Regal Rexnord Corp.	44,351	6,565
*	Teledyne Technologies				Fortune Brands		
	Inc.	31,491	14,054		Innovations Inc.	85,150	6,483
*	Builders FirstSource				CH Robinson		
	Inc.	82,793	13,821		Worldwide Inc.	74,757	6,458
*	FleetCor Technologies			*	XPO Inc.	73,449	6,433
_	Inc.	46,027	13,008	*	Trex Co. Inc.	72,128	5,971
-	Waters Corp.	39,486	13,000		Knight-Swift		
	Veralto Corp.	156,896	12,906		Transportation	100 070	F 000
	Expeditors International	07000	12 240		Holdings Inc.	103,379	5,960
*	of Washington Inc.	97,082	12,349		Robert Half Inc. Tetra Tech Inc.	67,750 25,656	5,957 5,952
	Axon Enterprise Inc. Ball Corp.	47,559	12,286		retta tech inic.	35,656	5,952
	Dail COIP.	210,921	12,132				

			Market				Market
		Shares	Value* (\$000)			Shares	Value* (\$000)
	WE0001	Silares	(\$000)	_	F 1.0		
	WESCO International	24 162	E 040		Esab Corp.	38,065	3,297
	Inc.	34,163	5,940		Valmont Industries Inc.	14,117	3,296
	Curtiss-Wright Corp. Simpson Manufacturing	25,866	5,763		Ryder System Inc. AAON Inc.	28,382 44,158	3,266 3,262
	Co. Inc.	28,269	5,597	*	ExIService Holdings	44,100	3,202
*	WEX Inc.	28,647	5,573		Inc.	103,968	3,207
	Woodward Inc.	40,458	5,508	*	MasTec Inc.	41,857	3,169
*	Bill Holdings Inc.	67,264	5,488		Federal Signal Corp.	41,051	3,150
*	WillScot Mobile Mini	0.,20.	0, .00		Louisiana-Pacific Corp.	44,024	3,118
	Holdings Corp.	122,481	5.450	*	Kirby Corp.	39,383	3,091
	AptarGroup Inc.	43,843	5,420		MSC Industrial Direct	,	-,
*	Generac Holdings Inc.	41,268	5,333		Co. Inc. Class A	30,423	3,081
	Donaldson Co. Inc.	81,350	5,316	*	Summit Materials Inc.	,	.,
*	Middleby Corp.	35,774	5,265		Class A	79,728	3,066
	AGCO Corp.	42,116	5,113		Badger Meter Inc.	19,713	3,043
*	Axalta Coating Systems			*	Euronet Worldwide Inc.	29,691	3,013
	Ltd.	148,782	5,054		Air Lease Corp.	70,382	2,952
	Graphic Packaging				Western Union Co.	246,893	2,943
	Holding Co.	204,176	5,033	*	ASGN Inc.	30,558	2,939
	Comfort Systems USA				HB Fuller Co.	36,021	2,932
	Inc.	24,109	4,958		Exponent Inc.	33,228	2,925
	Berry Global Group Inc.	72,277	4,871	*	SPX Technologies Inc.	28,923	2,922
*	API Group Corp.	140,737	4,869		Armstrong World		
*	GXO Logistics Inc.	78,973	4,830		Industries Inc.	29,677	2,918
	Cognex Corp.	114,966	4,799		GATX Corp.	23,895	2,873
	BWX Technologies Inc.	62,237	4,775		Installed Building		
*	FTI Consulting Inc.	23,908	4,761		Products Inc.	15,637	2,859
	Eagle Materials Inc.	23,372	4,741	*	Shift4 Payments Inc.		
_	Oshkosh Corp.	43,529	4,719		Class A	37,505	2,788
_	Paylocity Holding Corp.	28,394	4,681		Insperity Inc.	23,750	2,784
	MKS Instruments Inc.	44,436	4,571		Moog Inc. Class A	19,206	2,781
	Landstar System Inc.	23,489	4,549		EnerSys	27,494	2,776
	Applied Industrial	25 007	4.400		Zurn Elkay Water	01 200	2.605
*	Technologies Inc.	25,997	4,489		Solutions Corp.	91,290	2,685
	Fluor Corp.	114,539	4,486		MDU Resources Group	122 202	2 6 4 1
	Brunswick Corp. Littelfuse Inc.	46,062 16,590	4,456 4,439		Inc. Herc Holdings Inc.	133,393 17,583	2,641 2,618
	Acuity Brands Inc.	21,040	4,439		FTAI Aviation Ltd.	56,335	2,614
	MSA Safety Inc.	25,267	4,266		ManpowerGroup Inc.	32,658	2,595
	Genpact Ltd.	120,129	4,170		Brink's Co.	29,083	2,558
*	Atkore Inc.	25,355	4,057		Franklin Electric Co. Inc.	26,153	2,528
*	Core & Main Inc.	20,000	4,007	*	Knife River Corp.	38,003	2,515
	Class A	97,222	3,929		Silgan Holdings Inc.	54,296	2,457
*	ATI Inc.	85,980	3,910	*	Spirit AeroSystems	01,200	2,107
*	Chart Industries Inc.	28,610	3,900		Holdings Inc. Class A	77,114	2,451
	Crane Co.	32,472	3,836		Terex Corp.	42,540	2,444
	Watts Water	,	-,		Matson Inc.	22,258	2,439
	Technologies Inc.				Otter Tail Corp.	28,449	2,417
	Class A	18,246	3,801	*	Verra Mobility Corp.	104,707	2,411
	Sensata Technologies			*	Itron Inc.	31,043	2,344
	Holding plc	100,461	3,774	*	AeroVironment Inc.	18,502	2,332
*	AZEK Co. Inc.	96,451	3,689		Hillenbrand Inc.	47,595	2,277
*	Mohawk Industries Inc.	35,602	3,685	*	ACI Worldwide Inc.	73,391	2,246
	Sonoco Products Co.	65,724	3,672		Enpro Inc.	14,248	2,233
	Flowserve Corp.	87,966	3,626	*	Aurora Innovation Inc.	508,071	2,220
	Vontier Corp.	103,198	3,565	*	GMS Inc.	26,923	2,219
	Sealed Air Corp.	96,939	3,540	*	TriNet Group Inc.	18,622	2,215
	Maximus Inc.	41,113	3,448		Kadant Inc.	7,887	2,211
	Allison Transmission	E0 040	0.100	*	Dycom Industries Inc.	19,051	2,193
*	Holdings Inc.	59,016	3,432	*	Marqeta Inc. Class A	313,953	2,191
	Beacon Roofing Supply	20 044	2 211		Encore Wire Corp.	10,165	2,171
	Inc.	38,044	3,311		Belden Inc.	28,037	2,166

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
	CSW Industrials Inc.	10,383	2,154		Standex International		
	John Bean Technologies				Corp.	8,184	1,296
	Corp.	21,501	2,138	*	Hayward Holdings Inc.	95,158	1,294
	Korn Ferry	35,706	2,119	*	Masonite International	44.007	4 004
	HEICO Corp.	11,684	2,090	*	Corp.	14,927	1,264
	ESCO Technologies Inc.	17,096	2,001	*	Masterbrand Inc.	85,069	1,263
	Albany International	20 106	1 004		Construction Partners Inc. Class A	20 607	1 240
*	Corp. Class A CBIZ Inc.	20,196	1,984	*		28,697	1,249
*	Bloom Energy Corp.	31,478	1,970		Huron Consulting Group Inc.	12,086	1,242
	Class A	132,066	1,955	*	Mirion Technologies Inc.	119,087	1,242
	McGrath RentCorp.	16,300	1,950		Tennant Co.	12,963	1,202
*	Alight Inc. Class A	227,851	1,944		Primoris Services Corp.	35,682	1,185
*	Modine Manufacturing	227,001	1,011	*	Hillman Solutions Corp.	127,178	1,171
	Co.	32,293	1,928	*	NCR Atleos Corp.	47,812	1,161
	ABM Industries Inc.	42,253	1,894	*	Enovix Corp.	92,192	1,154
*	AMN Healthcare	,	.,		Greif Inc. Class A	17,445	1,144
	Services Inc.	25,272	1,892		H&E Equipment	,	•
	UniFirst Corp.	10,340	1,891		Services Inc.	21,434	1,121
	ArcBest Corp.	15,492	1,862		Forward Air Corp.	17,731	1,115
	EVERTEC Inc.	45,210	1,851		Bread Financial		
	Crane NXT Co.	32,472	1,847		Holdings Inc.	33,502	1,104
*	RXO Inc.	78,761	1,832	*	NV5 Global Inc.	9,889	1,099
	Vestis Corp.	86,658	1,832		Enerpac Tool Group		
	Werner Enterprises Inc.	42,673	1,808		Corp.	35,260	1,096
*	Resideo Technologies			*	Leonardo DRS Inc.	54,417	1,091
	Inc.	95,827	1,803	*	Donnelley Financial		
	Griffon Corp.	29,492	1,798		Solutions Inc.	17,471	1,090
	Hub Group Inc. Class A	19,554	1,798		Barnes Group Inc.	33,140	1,081
*	Sterling Infrastructure	00.405	4 707	*	CoreCivic Inc.	73,790	1,072
	Inc.	20,435	1,797	*	Legalzoom.com Inc.	94,695	1,070
*	Flywire Corp.	74,610	1,727		Rocket Lab USA Inc.	182,365	1,008
	Kratos Defense & Security Solutions			*	Helios Technologies Inc. Janus International	22,120	1,003
	Inc.	84,867	1,722		Group Inc.	76,219	995
*	Remitly Global Inc.	88,021	1,709	*	American Woodmark	70,210	333
	Brady Corp. Class A	29,059	1,705		Corp.	10,668	991
*	O-I Glass Inc.	103,048	1,688	*	JELD-WEN Holding Inc.	52,294	987
	ICF International Inc.	12,487	1,674		Lindsay Corp.	7,356	950
*	MYR Group Inc.	11,527	1,667		AZZ Inc.	15,672	910
*	Gibraltar Industries Inc.	20,893	1,650		Greenbrier Cos. Inc.	20,106	888
	ADT Inc.	238,755	1,628	*,1	Symbotic Inc.	17,155	881
	Mueller Water Products			*	Payoneer Global Inc.	166,561	868
	Inc. Class A	107,014	1,541		Marten Transport Ltd.	40,284	845
	Granite Construction			*	Triumph Group Inc.	50,771	842
	Inc.	29,933	1,522	*	Cimpress plc	10,377	831
	Trinity Industries Inc.	55,583	1,478		Wabash National Corp.	32,081	822
*	PGT Innovations Inc.	36,106	1,470		Kforce Inc.	12,050	814
	Alamo Group Inc.	6,965	1,464		Apogee Enterprises Inc.	14,390	769
	Kennametal Inc.	56,262	1,451		Napco Security	00.004	750
	OSI Systems Inc.	11,131	1,436	*	Technologies Inc.	22,084	756
*	Joby Aviation Inc.	214,709	1,428		Thermon Group	22.000	750
	Gates Industrial Corp.	106.060	1,423	*,1	Holdings Inc. Archer Aviation Inc.	23,090	752
	plc Patrick Industries Inc.	106,060	1,423	, .	Class A	122 456	752
*	AAR Corp.	14,015 22,255	1,389	*	Aspen Aerogels Inc.	122,456 45,965	725
*	Mercury Systems Inc.	37,014	1,354	*	Energy Recovery Inc.	38,227	720
*	AvidXchange Holdings	5,,017	1,004		TriMas Corp.	28,333	718
	Inc.	105,906	1,312		Columbus McKinnon	20,000	, 10
	International Seaways	,	.,02		Corp.	18,359	716
	Inc.	28,661	1,304	*	Proto Labs Inc.	18,265	712
		•	•	*	Vicor Corp.	15,479	696

			Markat				Market
			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Air Transport Services			*	V2X Inc.	7,758	360
	Group Inc.	39,274	692		Mesa Laboratories Inc.	3,399	356
	Schneider National Inc.	00,271	002		REV Group Inc.	19,601	356
	Class B	26,924	685	*	Manitowoc Co. Inc.	20,774	347
*	BlueLinx Holdings Inc.	5,916	670		Eagle Bulk Shipping Inc.	5,976	331
*	SP Plus Corp.	13,055	669		Allient Inc.	10,898	329
*	Transcat Inc.	6,030	659	*	TrueBlue Inc.	21,435	329
*,1	Nikola Corp.	736,071	644	*	Astronics Corp.	18,393	320
	Quanex Building	700,071	0-1-1	*	Sterling Check Corp.	22,976	320
	Products Corp.	20,720	633	*	DXP Enterprises Inc.	9,402	317
	First Advantage Corp.	37,156	616	*	Green Dot Corp.	3,402	317
*	Montrose	37, 100	010		Class A	32,065	317
					National Presto	32,000	317
	Environmental Group	17044	577			2.024	215
*	Inc.	17,944	577	*	Industries Inc.	3,924	315
	ZipRecruiter Inc.	44.040	F70	*	13 Verticals Inc. Class A	14,839	314
	Class A	41,212	573		Great Lakes Dredge &	40.770	040
	Deluxe Corp.	26,435	567		Dock Corp.	40,776	313
	VSE Corp.	8,731	564	*	Hudson Technologies		
*	Cross Country			_	Inc.	23,217	313
	Healthcare Inc.	24,857	563	*	Vishay Precision Group		
	Astec Industries Inc.	14,990	558		Inc.	9,031	308
*	Virgin Galactic Holdings				Resources Connection		
	Inc.	223,513	548		Inc.	21,381	303
*	Ducommun Inc.	10,493	546	*	Evolv Technologies		
	Pitney Bowes Inc.	122,407	539		Holdings Inc.	64,297	303
*	Titan International Inc.	35,420	527	*	Bowman Consulting		
	Gorman-Rupp Co.	14,174	504		Group Ltd.	8,369	297
	Barrett Business				FTAI Infrastructure Inc.	74,858	291
	Services Inc.	4,348	503	*	FARO Technologies Inc.	12,657	285
	Powell Industries Inc.	5,600	495	*	Cantaloupe Inc.	38,378	284
	Insteel Industries Inc.	12,847	492		TTEC Holdings Inc.	12,779	277
*	CryoPort Inc.	31,264	484		Pactiv Evergreen Inc.	20,016	274
*	International Money	01,201	101	*	Distribution Solutions	20,010	271
	Express Inc.	21,778	481		Group Inc.	8,504	268
	Kaman Corp.	19,711	472		LSI Industries Inc.	18,908	266
	Douglas Dynamics Inc.	15,634	464	*	Custom Truck One	10,000	200
	Myers Industries Inc.	23,354	457		Source Inc.	42,513	263
*	Repay Holdings Corp.	53,054	453		Shyft Group Inc.	21,374	261
	Kelly Services Inc.	33,034	400	*	Daseke Inc.		260
	Class A	20.712	440			32,052	256
		20,712	448	*	Miller Industries Inc.	6,057	
	Hyster-Yale Materials	7140	444		Aersale Corp.	19,925	253
*	Handling Inc.	7,142	444		Covenant Logistics	F 001	0.40
	Blue Bird Corp.	15,848	427	*	Group Inc.	5,381	248
	CRA International Inc.	4,137	409		Limbach Holdings Inc.	5,334	243
_	Conduent Inc.	110,060	402	-	Forrester Research Inc.	8,441	226
	Heartland Express Inc.	28,178	402	-	Tutor Perini Corp.	24,689	225
	Heidrick & Struggles			-	BrightView Holdings		
	International Inc.	13,509	399		Inc.	25,317	213
*	IES Holdings Inc.	4,930	391	*,1	/ ttirido i iltiditioni		
	Ennis Inc.	17,315	379		Technologies Inc.	8,593	202
*	Franklin Covey Co.	8,643	376	*	Advantage Solutions		
*,1	PureCycle Technologies				Inc.	53,753	195
	Inc.	92,711	375	*	Moneylion Inc.	3,090	194
	Cadre Holdings Inc.	11,279	371		Park-Ohio Holdings		
*	CECO Environmental				Corp.	7,053	190
	Corp.	18,094	367	*	Paymentus Holdings		
	United States Lime &	•			Inc. Class A	10,632	190
	Minerals Inc.	1,592	367	*	Radiant Logistics Inc.	28,389	189
*	Titan Machinery Inc.	12,688	366	*	Target Hospitality Corp.	19,278	188
	Argan Inc.	7,717	361	*	Willdan Group Inc.	8,638	186
	Cass Information	** **		*	Concrete Pumping	-,	
	Systems Inc.	8,004	361		Holdings Inc.	22,106	181
	3,0101110 1110.	5,004	501		. rordingo irro.	22,100	101

			Market				Market
		Shares	Value• (\$000)			Shares	Value• (\$000)
*	L B Foster Co. Class A	7,870	173	*	PAM Transportation		
*	Iteris Inc.	33,154	172		Services Inc.	3,326	69
*	Graham Corp.	9,026	171	*	Hyliion Holdings Corp.	84,365	69
*	Ranpak Holdings Corp.	28,481	166	*	Amprius Technologies		
*	SoundThinking Inc.	6,306	161		Inc.	13,135	69
*	Atlanticus Holdings			*	CPI Card Group Inc.	3,492	67
	Corp.	4,164	161	*,2	Tingo Group Inc.	94,891	65
*	Rekor Systems Inc.	47,989	160	*	Alpha Pro Tech Ltd.	12,073	64
*	Performant Financial			*	Terran Orbital Corp.	56,410	64
	Corp.	51,043	160		Frequency Electronics		
*	Gencor Industries Inc.	9,715	157		Inc.	5,508	60
	Overseas Shipholding			*	Danimer Scientific Inc.	58,942	60
	Group Inc. Class A	29,425	155	*	Markforged Holding		
	Twin Disc Inc.	9,394	152		Corp.	71,461	59
*	Microvast Holdings Inc.	108,265	152	*	Hireright Holdings Corp.	4,092	55
	Park Aerospace Corp.	10,255	151	*	374Water Inc.	36,898	52
*	Blade Air Mobility Inc.	41,940	148	*	Babcock & Wilcox		
*	Commercial Vehicle				Enterprises Inc.	34,947	51
	Group Inc.	21,010	147	*	RCM Technologies Inc.	1,578	46
*	TaskUS Inc. Class A	11,061	145	*	Hyzon Motors Inc.	51,124	46
	Information Services	,		*	FreightCar America Inc.	16,584	45
	Group Inc.	30,277	143	*	Hudson Global Inc.	2,857	44
*	Quad/Graphics Inc.	26,173	142	*	SKYX Platforms Corp.	27,010	43
*	Acacia Research Corp.	35,109	138	*	StarTek Inc.	8,991	40
*	Orion Group Holdings	00,100	.00	*	Velo3D Inc.	94,353	38
	Inc.	27,064	134	*,1	Workhorse Group Inc.	100,038	36
	Universal Logistics	27,004	10-	*	Skillsoft Corp.	2,042	36
	Holdings Inc.	4,679	131	*	Redwire Corp.	11,752	33
*	Luna Innovations Inc.	19,734	131	*	LightPath Technologies	11,752	00
*	CS Disco Inc.	16,686	127		Inc. Class A	25,635	32
	Kronos Worldwide Inc.	12,662	126	*	Innovative Solutions &	20,000	02
*,1	Desktop Metal Inc.	12,002	120		Support Inc.	3,690	31
	Class A	167,096	125	*	INNOVATE Corp.	25,298	31
*	Mistras Group Inc.	15,007	110	*	Usio Inc.	16,474	28
	Hurco Cos. Inc.	5,040	109	*	RF Industries Ltd.	8,155	25
*	Manitex International	0,010	100	*	BM Technologies Inc.	12,201	25
	Inc.	12,275	107	*	ClearSign Technologies	12,201	20
	Karat Packaging Inc.	4,292	107		Corp.	20,576	23
*	Smith-Midland Corp.	2,675	106	*	Izea Worldwide Inc.	10,892	22
*	Core Molding	2,070	100	*	Hydrofarm Holdings	10,002	22
	Technologies Inc.	5,479	102		Group Inc.	23,262	21
	ARC Document	0, 1, 0	.02	*	VirTra Inc.	1,985	19
	Solutions Inc.	30,422	100	*	Orion Energy Systems	.,000	.0
*	Paysign Inc.	34,843	98		Inc.	20,324	18
*	Willis Lease Finance	0.,0.0	00	*	Mega Matrix Corp.	12,430	18
	Corp.	1,962	96	*	Astra Space Inc.	4,371	10
*	BlackSky Technology	1,002	00	*,1		1,024	8
	Inc.	67,765	95	*	Sarcos Technology &	.,02 .	ŭ
*	DLH Holdings Corp.	5,768	91		Robotics Corp.	8,758	6
*	DHI Group Inc.	34,401	89	*	AEye Inc.	2,128	5
*,1	Eos Energy Enterprises	01,101	00	*	AgEagle Aerial Systems	2,120	Ü
	Inc.	81,245	89		Inc.	23,558	2
	EVI Industries Inc.	3,692	88				
*	TuSimple Holdings Inc.	0,002	00		(0.00())		4,075,292
	Class A	100,233	88		ner (0.0%) ³	44.00=	
*	Mayville Engineering	.00,200			Lubys Inc.	14,037	11
	Co. Inc.	5,637	81	~,2	Omthera		
	BGSF Inc.	8,582	81		Pharmaceuticals Inc.	04.005	-
*,1	Wrap Technologies Inc.	24,753	77		CVR	31,662	8
•	Hirequest Inc.	4,907	77 75	*,2	Strongbridge Biopharm		
*	Byrna Technologies Inc.	11,420	73	* 0	CVR	45,385	8
*	Spire Global Inc.	9,335	73	*,2	Alexza Pharmaceuticals	00 501	_
		0,000			Inc. CVR	80,591	3

Shares Sonon Shares				Market Value•			Market Value•
Parmaceuticals Inc. CVR 2024 30,505 2 Regency Centers Corp. 122,594 8,214 Froperties Inc. CVR 2025 30,505 2 Regency Centers Corp. 122,594 8,214 Froperties Inc. CVR 2025 30,505 2 Redenty Inc. 136,669 7,667 7,956 7,667 7,956 7,667 7,956 7,667 7,676			Shares	(\$000)		Shares	(\$000)
Pharmaceuticals Inc. CVR 2024 30,505 2 Equity LifeStyle Properties Inc. 112,790 7,956 Reafty Inc. 12,790 7,956 Reafty Inc. 136,669 7,667			11,427	2	Gaming and Leisure		
CVR 2024 30,505 2 Equity LifeStyle Properties Inc. 112,790 7,956 Parmaceuticals Inc. CVR 2025 30,505 2 Reaford Industrial Reafty Inc. 136,669 7,667 American Homes 4 Reafty Inc. 149,323 6,522 Carp. CVR 29,736 — Camden Property Trust 71,689 7,118 CubeSmart 149,332 6,522 Carp. 143,290 — American Robert 149,332 6,523 Carp. 143,293 — American Robert 143,290 — American Robert 143,	*,2						
**Part			00 505			122,594	8,214
Pharmaceuticals Inc. CVR 2025 30.505 2 Realty Inc. 136,669 7,667 3 1 Reafror Industrial Realty Inc. 136,669 7,667 3 3 Reafror Industrial Realty Inc. 136,669 7,667 3 3 3 3 3 3 3 3 3	* 2		30,505	2		112 700	7056
CVR 2025 30,505 2 Realty Inc. 136,669 7,667 2 miRagen Therapeutics Inc. CVR 67,673 1 Rent Class A 204,886 7,368 1-2 Spritt MTA REIT 58,489 — Rent Class A 204,886 7,368 1-2 SPAX Inc. 7,380 — Camden Property Trust 71,689 7,718 2-2 SRAX Inc. 7,380 — Camden Property Trust 71,689 7,718 2-3 SRAX Inc. 7,380 — Camden Property Trust 71,689 7,718 2-4 SRAX Inc. 7,380 — Camden Property Trust 71,689 7,718 2-5 SRAX Inc. CVR 33,435 — Camden Property Trust 71,689 7,718 2-7 SRAX Inc. CVR 33,435 — Camden Property Trust 71,689 7,718 2-8 Magenta Therapeutics Inc. CVR 143,290 — Americal Trust 1 Restriction of the Property Group Inc. Camden Property Group Inc. 7,7995 10,487 1,789 7,891 8,891 8,893 7,891 8,893 2,304 8,305 7,702 11,800 8,80	,2					112,790	7,950
**2 Milagent Therapeutics Inc. CVR			30 505	2		136 669	7667
Inc. CVR	*,2		,	_		,	.,
**2 Ambit Biosciences			67,673	1	Rent Class A	204,886	7,368
Corp. CVR 29,736 — Camden Property Trust 71,689 7,718 Camden Property Trust 71,689 7,718 Camden Property Brother 149,332 6,922 6,633 Inc. CVR 33,435 — Camden Properties Inc. 94,523 6,633 Inc. CVR 143,290 — Americold Realty Trust Inc. CVR 33,990 — Zillow Group Inc. CVR 33,990 — Zillow Group Inc. CVR 143,290 — Americold Realty Trust Inc. CVR 33,990 — Zillow Group Inc. Class Camden Properties Inc. 190,693 5,772 Inc. Prologis Inc. American Tower Corp. 312,780 67,523 Equinix Inc. 62,998 50,666 Inc. 290,406 33,452 Crown Castle Inc. 290,406 33,452 Crown Castle Inc. 290,406 33,452 Sillow Group Inc. 200,426 29,587 Sillow Group Inc. 200,426 29,587 Sillow Group Inc. 200,726 29,587 Sillow Group Inc. 200,728 27,290 Sillow Group Inc. 200,728 27,290 Inc. 200,72			58,489	_			
**2 SRAX Inc.	*,2						
1-1.2 Gemini Therapeutics Inc. CVR 33,435 — Class A 5,8693 6,238 Class A 5,949 Class A 6,238 Class A 6,248 Cla	* 2			_			
Inc. CVR			7,380	_			
**1.2* Mext Bridge	, . , .		33 //35	_		34,523	0,033
Hydrocarbons Inc.	*,1,2		00,400			58.693	6.238
*.2 Mesen Bio Inc. CVR			49,663	_			
Inc. CVR	*,2	Sesen Bio Inc. CVR	143,290	_			
Neoleukin Therapeutics Line Lin	*,2	magama marapaana				190,693	5,772
Inc.			33,990	_		00.040	
Name	*,2		4.000			98,248	5,685
Pederal Realty		inc.	4,286 _			20 662	5 629
Prologis Inc. 619,947 82,639 Investment Trust 54,321 5,598 American Tower Corp. 312,780 67,523 NNN REIT Inc. 122,596 5,284 Equinix Inc. 62,908 50,665 Investors Inc. 162,397 4,979 4,780 Equinix Inc. 290,406 33,452 STAG Industrial Realty Trust Inc. 200,406 33,452 STAG Industrial Realty Trust Inc. 200,7426 29,587 Inc. 198,669 4,623	_			37		30,002	5,026
American Tower Corp. 312,780 67,523 67,523 67,523 Equinix Inc. 62,908 50,665 Omega Healthcare Investors Inc. 162,397 4,979 4,780 Crown Castle Inc. 290,406 33,452 First Industrial Realty Trust Inc. 121,746 4,780 First Industrial Realty Trust Inc. 198,669 4,623 First Industrial Realty	Rea		010 047	00.000	,	54.321	5.598
Equinix Inc. Welltower Inc. Welltower Inc. Welltower Inc. Welltower Inc. S72,792 33,615 Crown Castle Inc. Public Storage Simon Property Group Inc. Realty Income Corp. Digital Realty Trust Inc. Extra Space Storage Inc. VICI Properties Inc. SBA Communications Corp. Corp. Corp. Corp. Corp. Corp. Corp. Corp. Trust Corp. Simon Property Group Inc. Weltower Inc. Weltower Inc. S73,758 Simon Property Group Inc. S73,758 S7820 Digital Realty Trust Inc. S78,669 S7820 Healthcare Realty Trust Inc. S78,669 S78,669 S7820 Healthcare Realty Trust Inc. S78,669 S78,670 S79,660 S78,670 S79,660 S79,670 S79,660 S79,670 S79,670 S79,670 S79			,	,			
Welltower Inc. 372,792 33,615 Investors Inc. 162,397 4,978 Crown Castle Inc. 290,406 33,452 STAGI Industrial Inc. 121,746 4,780 First Industrial Realty Trust Inc. 88,673 4,670 Inc. 207,426 29,587 Inc. 198,669 4,623 Inc. 198,669 4,623 Inc. 198,669 4,623 Inc. 198,669 198,660 198,660 198,660 198,660 198,660 198,660 198,660 198,660 198,660 198,660			,		Omega Healthcare		
Crown Castle Inc.				,			
Public Storage 106,159 32,378 First Industrial Realty Trust Inc. 88,673 4,670 Inc. 102,426 29,587 Brixmor Property Group Inc. 198,669 4,623 I						121,746	4,780
Realty Income Corp. 484,493 27,820 Digital Realty Trust Inc. 202,782 27,290 Healthcare Realty Trust Inc. 253,147 4,362 Agree Realty Corp. 67,061 4,221 Inc. 253,147 4,362 Agree Realty Corp. 67,061 4,221 Inc. Agree Realty Corp. 67,061 4,221 Spirit Realty Capital Inc. 94,539 4,130 Inc. Spirit Realty Capital Inc. 37,086 4,082 Spirit			,			00.070	4.070
Realty Income Corp. 29,7820 27,820 Digital Realty Trust Inc. 202,782 27,290 Extra Space Storage Inc. 141,763 22,729 Spirit Realty Corp. 67,061 4,221 Spirit Realty Corp. 56,845 3,562 Spirit Realty Group Trust 100,214 3,480 Spirit Realty Group Trust 116,352 3,287 Spirit Real		Simon Property Group				88,673	4,670
Digital Realty Trust Inc. 202,782 27,290 Lextra Space Storage Inc. 141,763 22,729 Spirit Realty Corp. 67,061 4,221 Spirit Realty Corp. 67,061 4,221 Spirit Realty Capital Inc. 94,539 4,130 Spirit Realty Capital Inc. 97,086 4,082 Spirit Realty Corp. 56,845 3,562 Spirit Realty Corp. 57,845 Spirit Re						198 669	4 623
Digital reality little:						100,000	4,020
Extra Space Storage Inc. 141,763 22,729 Spirit Realty Corp. 67,061 4,221	*				•	253,147	4,362
Inc.			2/3,/30	23,924	Agree Realty Corp.		
VICI Properties Inc. SBA Communications Corp. 695,167 22,162 Ryman Hospitality Properties Inc. 37,086 4,082 ** CBRE Group Inc. Class A 72,502 18,393 Terreno Realty Corp. Apartment Income 56,845 3,562 ** CBRE Group Inc. Class A 195,066 18,159 REIT Corp. Kite Realty Group Trust 149,837 3,425 AvalonBay Communities Inc. Weyerhaeuser Co. Alexandria Real Estate Equities Inc. Equity Residential 94,531 17,698 Vornado Realty Trust 116,352 3,287 Kilroy Realty Corp. Ventas Inc. Sun Communities Inc. Inc. Mid-America Apartment Communities Inc. WP Carey Inc. 116,802 14,807 Essential Properties Realty Trust Inc. 104,679 2,676 Mid-America Apartment Communities Inc. Inc. 42,975 10,655 Realty Trust Inc. Inc. 102,836 2,504 Host Hotels & Resorts Inc. 473,054 9,210 Apple Hospitality REIT Inc. 157,343 2,245 Kimco Realty Corp. 413,841 8,819 Physicians Realty Trust 167,247 2,226 Apple Hospitality Rest 167,247 2,226			141.763	22.729		94,539	4,130
Properties Inc. 37,086 4,082							
Communities Inc. 269,962 13,455 Ventas Inc. 269,962 13,455 Sun Communities Inc. 269,962 13,455 Inc. Mid-America Apartment Communities Inc. 42,975 Inc. WP Carey Inc. 473,054 Post Inc. WP Carey Inc. 473,054 Post Inc. Kimco Realty Corp. 413,841 8,819 Apartment Income REIT Corp. 100,214 3,480 Realty Trust Inc. 116,352 3,287 Realty Frost Inc. 104,679 2,676 Realty Trust Inc. 104,679 2,676 Realty Trust Inc. 104,679 2,676 Realty Trust Inc. 100,2836 2,504 Independence Realty Inc. 100,2836 2,504 Independence Realty Trust Inc. 163,294 2,498 Realty Inc. 100,487 Realty ReIT Inc. 157,343 2,245 Realty Realty Reit Inc. 100,487 Re		SBA Communications					
Class A 195,066 18,159			72,502	18,393		56,845	3,562
AvalonBay Communities Inc. 94,531 17,698 Weyerhaeuser Co. 487,043 16,934 Alexandria Real Estate Equities Inc. 116,802 14,807 Invitation Homes Inc. 407,688 13,906 Iron Mountain Inc. 195,659 13,692 Ventas Inc. 269,962 13,455 Sun Communities Inc. 84,022 11,230 Essex Property Trust Inc. 42,975 10,655 Mid-America Apartment Communities Inc. 77,995 10,487 WP Carey Inc. 473,054 9,210 Kimco Realty Group Trust 149,837 3,425 Rayonier Inc. 99,680 3,330 Vornado Realty Trust 116,352 3,287 Kilroy Realty Corp. 78,565 3,130 Phillips Edison & Co. Inc. 78,936 2,880 Essential Properties Realty Trust Inc. 104,679 2,676 Potlatch Deltic Corp. 53,841 2,644 Cousins Properties Inc. 102,836 2,504 Independence Realty Trust Inc. 163,294 2,498 EPR Properties 50,349 2,439 Apple Hospitality REIT Inc. 157,343 2,245 Kimco Realty Corp. 413,841 8,819 Magazieh Co. Inc. 157,343 2,245 Inc. 157,343 2,245 Inc. 157,343 2,245 Inc. 163,277 2,226	*		105.000	10.150		100 214	3 480
Communities Inc. 94,531 17,698			195,066	18,159			
Vornado Realty Trust			04 521	17600			
Alexandria Real Estate					Vornado Realty Trust	116,352	
Equities Inc. 116,802 14,807 Philips Edison & Co. Inc. 78,936 2,880 Equity Residential 241,482 14,769 Inc. 78,936 2,880 Invitation Homes Inc. 407,688 13,906 Inc. Essential Properties Iron Mountain Inc. 195,659 13,692 Potlatch Deltic Corp. 104,679 2,676 Ventas Inc. 269,962 13,455 Potlatch Deltic Corp. 53,841 2,644 Sun Communities Inc. 84,022 11,230 Cousins Properties Inc. 102,836 2,504 Inc. 42,975 10,655 Trust Inc. 163,294 2,498 EPR Properties 50,349 2,439 Apple Hospitality REIT Inc. 138,893 2,307 Host Hotels & Resorts Inc. 473,054 9,210 Physicians Realty Trust 167,247 2,226 Kimco Realty Corp. 413,841 8,819 Physicians Realty Trust 167,247 2,226			407,040	10,004		78,565	3,130
Equity Residential 241,482 14,769 Inc. 78,936 2,880 Invitation Homes Inc. 407,688 13,906 Iron Mountain Inc. 195,659 13,692 Iron Mountain Inc. 269,962 13,455 Sun Communities Inc. 84,022 11,230 Inc. 42,975 Inc. 42,975 Inc. 42,975 Inc. Mid-America Apartment Communities Inc. 77,995 10,487 WP Carey Inc. 146,074 9,467 Host Hotels & Resorts Inc. 473,054 9,210 Kimco Realty Corp. 413,841 8,819 Inc. 163,294 2,488 Inc. 157,343 2,245 Inc. 157,343 2,226 Inc. 157,343 2,226 Inc. 157,343 2,226 Inc. 163,276 Inc. 157,343 2,226 Inc. 167,247 2,226 Inc. 167,247 2,226 Inc. 168,276 Inc. 167,247 2,226 Inc.			116,802	14,807	•		
Realty Trust Inc. 104,679 2,676 10,679						78,936	2,880
Ventas Inc. 269,962 13,455 Sun Communities Inc. 84,022 11,230 Essex Property Trust Inc. 42,975 10,655 Mid-America Apartment Communities Inc. 77,995 10,487 WP Carey Inc. 146,074 9,467 Host Hotels & Resorts Inc. 473,054 9,210 Kimco Realty Corp. 13,841 2,644 Cousins Properties Inc. 102,836 2,504 Independence Realty Trust Inc. 163,294 2,498 EPR Properties 50,349 2,439 Apple Hospitality REIT Inc. 138,893 2,307 Sabra Health Care REIT Inc. 157,343 2,245 Physicians Realty Trust 167,247 2,226		Invitation Homes Inc.	407,688	13,906		104 670	2 676
Sun Communities Inc. 84,022 11,230 Independence Realty Trust Inc. 102,836 2,504 Independence Realty Inc. 42,975 10,655 EPR Properties 50,349 2,439 EPR Properties 50,349 EPR P				,			
Independence Realty Trust Independence Realty Trust Inc. 163,294 2,498 2,439			04.000				2 5044
No. Sabra Health Care REIT Inc. 163,294 2,498 2,49			84,022	11,230		102,000	2,001
Mid-America Apartment Communities Inc. WP Carey Inc. Host Hotels & Resorts Inc. Kimco Realty Corp. Mid-America Apartment 77,995 10,487 9,467 9,467 Sabra Health Care REIT Inc. 157,343 167,245 Physicians Realty Trust 167,247 167,226 Magazigh Co. Magazi			42 075	10.655		163,294	2,498
Communities Inc. 77,995 10,487 Apple Hospitality REII 138,893 2,307			+4,070	10,033		50,349	2,439
WP Carey Inc. 146,074 9,467 Inc. 138,893 2,307 Host Hotels & Resorts Inc. 473,054 9,210 Inc. 157,343 2,245 Kimco Realty Corp. 413,841 8,819 Physicians Realty Trust 167,247 2,226 Magazigh Co. 143,276 3,211			77,995	10,487		100	
Host Hotels & Resorts Inc. 473,054 9,210 Kimco Realty Corp. 413,841 8,819 Host Hotels & Resorts Inc. 157,343 2,245 Physicians Realty Trust 167,247 2,226 Magazinh Co. 143,276 2,231						138,893	2,307
Kimco Realty Corp. 413,841 8,819 Physicians Realty Trust 167,247 2,226			*	•		157040	2 245
Killico nealty Corp. 413,841 6,819 Magaziah Co. 143,276 2,211							
UDK Inc. 220,831 8,456 Macchier 66. 143,276 2,211							
		UDK INC.	220,831	გ,45b		,	_,

		Chana	Market Value•			Charas	Market Value•
		Shares	(\$000)	_		Shares	(\$000)
	Hannon Armstrong				Alexander & Baldwin		
	Sustainable				Inc.	47,282	899
	Infrastructure Capital				Uniti Group Inc.	154,821	895
	Inc.	75,885	2,093		Kennedy-Wilson	74 007	
	National Storage				Holdings Inc.	71,937	891
	Affiliates Trust	50,206	2,082		Veris Residential Inc.	55,856	879
	Broadstone Net Lease				Empire State Realty		
	Inc.	119,526	2,058		Trust Inc. Class A	90,486	877
	Park Hotels & Resorts				Hudson Pacific		
	Inc.	131,786	2,016		Properties Inc.	93,473	870
	DigitalBridge Group Inc.	112,925	1,981	*	Compass Inc. Class A	227,161	854
	COPT Defense	70 474	4.000		Elme Communities	57,599	841
	Properties	76,474	1,960		RPT Realty	64,843	832
	Medical Properties Trust			1	eXp World Holdings Inc.	53,058	823
	Inc.	398,046	1,954		Easterly Government	00.004	040
	SL Green Realty Corp.	43,267	1,954		Properties Inc.	60,381	812
	LXP Industrial Trust	194,551	1,930	*	Safehold Inc.	34,689	812
	Innovative Industrial	40 774	4 000	*	Redfin Corp.	78,499	810
	Properties Inc.	18,774	1,893		GEO Group Inc.	74,543	807
	Tanger Inc.	66,603	1,846		NETSTREIT Corp.	43,117	770
_	Zillow Group Inc.		4.045		Plymouth Industrial	00.440	700
	Class A	32,520	1,845		REIT Inc.	30,148	726
_	Opendoor Technologies			*	Apartment Investment		
	Inc.	409,310	1,834		and Management Co.		
	CareTrust REIT Inc.	78,890	1,766		Class A	86,567	678
	SITE Centers Corp.	127,987	1,744		UMH Properties Inc.	42,695	654
~	Howard Hughes				Paramount Group Inc.	126,393	653
	Holdings Inc.	20,200	1,728		Piedmont Office Realty	04 500	054
	Highwoods Properties	70.400	4 007		Trust Inc. Class A	91,593	651
	Inc.	73,466	1,687		Marcus & Millichap Inc.	14,631	639
	Global Net Lease Inc.	159,918	1,591		Centerspace	10,639	619
	St. Joe Co.	26,305	1,583		American Assets Trust	00 705	000
	Four Corners Property	00.040	4 500		Inc.	26,765	602
	Trust Inc.	62,016	1,569	*	Brandywine Realty Trust	108,457	586
	National Health	07704	4 554		Anywhere Real Estate	00.000	E 40
	Investors Inc.	27,764	1,551		Inc.	66,892	542
	Douglas Emmett Inc.	105,159	1,525		Armada Hoffler	40.000	E20
	Urban Edge Properties	76,642	1,403		Properties Inc.	42,862	530
	Sunstone Hotel	100 600	1 200		NexPoint Residential	14 507	400
	Investors Inc.	128,603	1,380		Trust Inc.	14,507	499
	Outfront Media Inc.	98,791	1,379		Diversified Healthcare	100 647	400
	DiamondRock	120 017	1 205		Trust	130,647	489
	Hospitality Co. Pebblebrook Hotel Trust	139,017 79,516	1,305 1,271		Community Healthcare Trust Inc.	10 200	487
*	Cushman & Wakefield	79,510	1,2/1		Global Medical REIT	18,288	407
	plc	117601	1 271		Inc.	12 151	468
	Equity Commonwealth	117,681 65,679	1,271 1,261		Peakstone Realty Trust	42,151	400
		05,075	1,201		REIT	22 506	468
	Retail Opportunity	OE 116	1 104		Summit Hotel	23,506	400
	Investments Corp.	85,116 99,768	1,194 1,169		Properties Inc.	68,662	461
	RLJ Lodging Trust				Ares Commercial Real	00,002	401
	JBG SMITH Properties Acadia Realty Trust	68,646	1,168			39,478	409
	InvenTrust Properties	66,640	1,132		Estate Corp. Universal Health Realty	39,470	403
	Corp.	42,190	1,069		Income Trust	9,360	405
	Service Properties Trust	115,936	990		Farmland Partners Inc.	32,368	403
	Xenia Hotels & Resorts	110,000	990		Whitestone REIT	32,506	404
	Inc.	70,247	957		CBL & Associates	32,034	401
	Newmark Group Inc.	10,241	307		Properties Inc.	15,300	374
	Class A	86,020	943		Gladstone Land Corp.	24,952	361
	Getty Realty Corp.	31,219	943	*	Forestar Group Inc.	10,867	359
	LTC Properties Inc.	28,025	900		Chatham Lodging Trust	33,089	355
	LIGITOPETHES INC.	20,020	300		Saul Centers Inc.	8,496	334
					Jaul Celliels IIIC.	0,430	334

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
	Gladstone Commercial Corp.	24,306	322	*	Meta Platforms Inc. Class A	1,487,782	526,615
	RMR Group Inc. Class A	10,594	299	*	Alphabet Inc. Class C Broadcom Inc.	3,259,593 297,440	459,374 332,017
	Alexander's Inc.	1,287	275	*	Adobe Inc.	305,147	182,051
*	Tejon Ranch Co.	15,750	271	*	Salesforce Inc.	619,414	162,993
	Office Properties			*	Advanced Micro		
*	Income Trust	30,586	224		Devices Inc.	1,082,947	159,637
	Seritage Growth Properties Class A	22 441	210		Intel Corp. Oracle Corp.	2,826,333	142,023
*		23,441	219 216		Intuit Inc.	1,101,551	116,137
	FRP Holdings Inc.	3,443			QUALCOMM Inc.	178,386	111,497
	Orion Office REIT Inc. Industrial Logistics	37,533	215		Texas Instruments Inc.	746,137 608,573	107,914 103,737
	Properties Trust	43,462	204		International Business	, .	,
	CTO Realty Growth Inc.	11,379	197		Machines Corp.	611,474	100,007
	One Liberty Properties	•		*	ServiceNow Inc.	137,339	97,029
	Inc.	8,824	193		Applied Materials Inc.	560,753	90,881
	Bridge Investment	-,-			Lam Research Corp.	88,372	69,218
	Group Holdings Inc.				Analog Devices Inc.	332,839	66,089
	Class A	18,625	182		Micron Technology Inc.	736,256	62,832
	Postal Realty Trust Inc.	,,,		*	Palo Alto Networks Inc.	211,389	62,334
	Class A	12,021	175		KLA Corp.	91,166	52,995
	NET Lease Office	•		*	Synopsys Inc.	101,907	52,473
	Properties	9,435	174	*	Cadence Design		
	Franklin Street				Systems Inc.	182,094	49,597
	Properties Corp.	62,401	160		Amphenol Corp.		
*	Stratus Properties Inc.	5,338	154		Class A	401,083	39,759
	BRT Apartments Corp.	7,749	144	*	Snowflake Inc. Class A	199,198	39,640
	Douglas Elliman Inc.	45,623	135		Roper Technologies Inc.	71,467	38,962
	City Office REIT Inc.	21,923	134	*	Crowdstrike Holdings		
*	Maui Land & Pineapple				Inc. Class A	151,585	38,703
	Co. Inc.	7,827	124	*	Workday Inc. Class A	138,888	38,341
*	Star Holdings	8,255	124	*	Autodesk Inc.	143,397	34,914
	Braemar Hotels &				Marvell Technology Inc.	578,872	34,912
	Resorts Inc.	44,461	111		Microchip Technology		
	Alpine Income Property	0.005	400		Inc.	363,282	32,761
_	Trust Inc.	6,005	102		TE Connectivity Ltd.	207,644	29,174
	Offerpad Solutions Inc.	9,843	101		Fortinet Inc.	437,505	25,607
	RE/MAX Holdings Inc.	0.007	00		Cognizant Technology		
	Class A Modiv Industrial Inc.	6,897	92 91		Solutions Corp. Class A	225 601	25 240
	Clipper Realty Inc.	6,088	77	*	Atlassian Corp. Ltd.	335,601	25,348
	Creative Media &	14,188	//		Class A	104,024	24,743
	Community Trust			*	ON Semiconductor	104,024	24,743
	Corp.	13,505	50		Corp.	288,892	24,131
	Global Self Storage Inc.	8,627	40	*	Palantir Technologies	200,002	2 1,101
*	Ashford Hospitality	0,027	.0		Inc. Class A	1,318,101	22,632
	Trust Inc.	20,163	39	*	Gartner Inc.	49,601	22,376
	Bluerock Homes Trust	,		*	Datadog Inc. Class A	182,384	22,138
	Inc.	2,283	32	*	ANSYS Inc.	57,957	21,031
*	Sotherly Hotels Inc.	18,957	28	*	DoorDash Inc. Class A	211,461	20,911
*	Rafael Holdings Inc.	·			CDW Corp.	89,828	20,420
	Class B	13,424	25		Monolithic Power		
*	Altisource Portfolio				Systems Inc.	30,564	19,279
	Solutions SA	7,037	25	*	HubSpot Inc.	32,072	18,619
*	Fathom Holdings Inc.	5,453	20	*	MongoDB Inc.	45,456	18,585
		-	942,993		HP Inc.	593,371	17,855
Tec	hnology (30.9%)		0-12,000	*	Splunk Inc.	113,052	17,223
	Apple Inc.	9,903,578	1,906,736	*	Cloudflare Inc. Class A	188,721	15,713
	Microsoft Corp.	4,981,589	1,873,277		Corning Inc.	513,376	15,632
	NVIDIA Corp.	1,572,797	778,881		Hewlett Packard	050 015	4
*	Alphabet Inc. Class A	3,969,223	554,461		Enterprise Co.	859,917	14,601

Zscaler Inc. Dell'Technologies Inc. Class C 170,330 13,140 SPS Commerce Inc. 24,290 4,6 4,5			Shares	Market Value• (\$000)			Shares	Market Value* (\$000)
PTC Inc. 75,842 13,269	*	Pinterest Inc. Class A	393 834	14 588	*	CACL International Inc		
Zscaler Inc. Dell'Enchologies Inc. Class C Class	*						15 103	4,891
Dell Technologies Inc. Class C NetApp Inc. 18,837 12,240 Skworks Solutions Inc. 107,571 12,093 Entegris Inc. 100,636 11,2088 Segion File Class A Segion Inc. 100,636 11,928 Sappinc Class A No.877 11,866 Sappinc Class A No.877 11,866 Segione Applications International Corp. 102,253 14,44 Akamai Technologies Inc. 100,222 Inc. 100,222 Inc. 11,861 Sepath Systems Inc. 28,149 11,770 EPAM Systems Inc. 28,149 11,770 EPAM Systems Inc. 28,149 11,770 Segione Technology Holdings pic Communications Inc. Class A Class A Sepath Technologies Inc. 102,963 11,174 Novanta Inc. 103,963 11,174 Novanta Inc. 104,960 GoDaddy Inc. Class A Suerise Inc. 105,243 Super Micro Computer Inc. 105,243 Okta Inc. 105,243 Systems Inc. 21,366 Dynatrace Inc. 177,024 Sepath Systems Inc. 18,660 Sepath Systems Inc. 19,005 Sepath Systems Inc. 19,005 Sepath Systems Inc. 19,005 Sepath Systems Inc. 19,005 Sepath Systems Inc. 105,243 Systems Inc. 106,350 Systems Inc. 106,350 Systems Inc. 106,350 Systems Inc.	*				*			4,787
Class C 170,330 13,030 12,030 12,035 12,240 15,844,55,844,55,844,55,844,55,844,55,844,55,844,55,844,55,844,55,844,55,844,55,844,56,844,			00,000	10,110	*			4,623
NetTApp Inc.			170 330	13 030	*			4,551
Skyworks Solutions Inc. 107,671 12,093 Class A 7165 4,5					*	,	20,100	1,001
Entegris Inc.							7155	4,519
 VerliSign Inc. Snap Inc. Class A 700,877 11,928 Cherent Corp. 100,222 11,861 Coherent Corp. 100,222 11,861 Coherent Corp. 36,179 4,4 4,4 10,222 11,861 Coherent Corp. 36,179 4,4 4,2 Arrow Electronics Inc. 36,179 4,4 4,2 4,2 4,2 4,2 4,4 4,2 4,4 4,2 4,4 4,2 4,4 4,4 4,4 4,4 4,4 4,2 4,2 4,3 4,3 4,3 4,3 4,3 4,4 4,4 4,2 4,4 4,2 4,4 4,2 4,4 4,2 4,4 4,2 4,2 4,3 4,3 4,3 4,4 4,4 4,4 4,2 4,2 4,3 4,3 4,3 4,3 4,3 4,3 4,3 4,3 4,3 4,3<!--</td--><td></td><td></td><td></td><td></td><td></td><td></td><td>7, 100</td><td>4,515</td>							7, 100	4,515
Sapa Inc. Class A	*						25 024	4.455
Akamai Technologies 10,0,222 11,861 2,00m 1,861 7,70m 1,861 7,90m 1,861 7,	*				*			
Inc.	*		700,677	11,000	*			4,423
 Tyller Technologies Inc. EPAM Systems Inc. Seagate Technology Holdings plc 133,513 11,398 Vestern Digital Corp. Zoom Video Communications Inc. Class A Teradyne Inc. 102,963 11,174 Nutanis Inc. GoBaddy Inc. 11,174 Novanta Inc. 11,174 Novanta Inc. GoConcentrix Corp. 12,1936 13,80 GoDaddy Inc. Class A 14,680 105,343 19,537 Tenable Holdings Inc. 106,343 107,549 108 108 109 100,543 100,543 100,543 100,543 100,543 100,500 100,544 100,544			100 222	11 861	*		00,170	1, 120
EPAM Systems Inc. Seagate Technology Holdings plc 133,513 11,398 SentinelOne Inc. 62,906 4,3	*						2379/1	4,400
Seagate Technology	*				*		207,041	4,400
Holdings plc 133,513 11,398 Western Digital Corp. 216,907 11,359 Class A 155,078 4,2 2 2 2 2 2 2 2 2 2			30,770	11,550			62 906	4,354
Western Digital Corp. 216,907 11,359 Class A 155,078 4,2 Zoom Video Communications Inc. 155,557 11,186 Aspen Technology Inc. 19,305 4,2 Class A 155,557 11,116 Smartsheet Inc. Class A 85,525 4,0 Vertiv Holdings Co. "Gitlab Inc. Class A 63,040 3,9 Leidos Holdings Co. 11,116 Insight Enterprises Inc. 21,936 3,8 Jabil Inc. 81,650 10,402 Five9 Inc. 21,936 3,8 GoDaddy Inc. Class A 94,191 9,999 Concentrix Corp. 38,299 3,7 Leidos Holdings Inc. 92,076 9,966 "Doynatrace Inc." 175,7458 3,6 Okta Inc. 105,343 9,537 Tenable Holdings Inc. 82,769 3,6 Super Micro Computer Inc. 115,866 8,791 Dolby Laboratories Inc. 7,458 3,5 Inc. 41,257 8,883 DoubleVerify Holdings Inc. 91,362 3,3 S&C Technologies Holdings Inc.			133 513	11 398	*		02,000	1,001
Zoom Video Aspen Technology Inc. 19,305 4,2 Communications Inc. Class A 155,557 11,186 AppLovin Corp. Class A 106,550 4,2 Teradyne Inc. 102,963 11,174 Novanta Inc. 23,647 3,9 Vertiv Holdings Co. Glass A 231,436 11,116 Insight Enterprises Inc. 21,936 3,8 Jabil Inc. B1,650 10,402 Five9 Inc. 48,618 3,8 GoDaddy Inc. Class A 94,191 9,999 Concentrix Corp. 38,299 3,7 Leidos Holdings Inc. 105,343 9,537 To SYNNEX Corp. 34,085 3,6 Okta Inc. 105,343 9,537 Tenable Holdings Inc. 7,458 3,5 Super Micro Computer Inc. 1,257 8,883 Double Verify Holdings Inc. 7,458 3,5 Inc. 41,257 8,883 Double Verify Holdings Inc. 102,461 3,4 Twilio Inc. Class A 115,866 8,791 Inc. 35,550 3,3 SS&C Technologies	*						155 078	4,255
Communications Inc. Class A Cl	*		210,007	11,000	*			4,250
Class A 155,557 11,186 Smartsheet Inc. Class A 85,525 4,0					*			4,246
Teradyne Inc.			155 557	11 106	*			4,090
Vertiv Holdings Co. Class A Clas					*			3,982
Class A 231,436 11,116 Insight Enterprises Inc. 21,936 3,8			102,303	11,174	*			,
Jabil Inc.			221 426	11 116	*			
* GoDaddy Inc. Class A 94,191 9,999 Concentrix Corp. 38,299 3,7 Leidos Holdings Inc. 92,076 9,966 TD SYNNEX Corp. 34,085 3,6 Opynatrace Inc. 177,024 9,681 Wolfspeed Inc. 82,769 3,6 Okta Inc. 105,343 9,537 Tenable Holdings Inc. 77,458 3,5 Doby Laboratories Inc. Class A 3,7458 1nc. 41,257 8,883 DoubleVerify Holdings Inc. 106,461 3,4 Inc. Class A 115,866 8,791 Inc. 91,362 3,3 S&C Technologies Holdings Inc. 140,890 8,610 Gen Digital Inc. (XNGS) 365,421 8,339 Inc. Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 33,550 3,3 Nutanix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,1 Ooro Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,1 Ffs Inc. 39,916 7,144 Pure Storage Inc. 178,938 7,317 Pure Storage Inc. 182,824 6,673 Ceridian HCM Holding Inc. 182,824 6,673 Ceridian HCM Holding Inc. 182,824 6,673 Pox Inc. Class A 125,814 2,9 Universal Display Corp. 92,380 6,373 Axoelis Technology Co. 130,353 2,9 Universal Display Corp. 30,139 5,644 Inc. 24,750 2,6 Rambus Inc. 89,490 4,955 Blackline Inc. 37,332 2,33 KBR Inc. 89,492 4,955 Blackline Inc. 37,332 2,33 KBR Inc. 72,387 4,940 Dropbox Inc. Class A 167,076 4,925 Comm/aut Its Systems Inc. 28,652 2,3					*			
Leidos Holdings Inc. 177,024 9,861 TD SYNNEX Corp. 34,085 3,6 Dynatrace Inc. 177,024 9,681 Wolfspeed Inc. 82,769 3,6 Okta Inc. 105,343 9,537 Tenable Holdings Inc. 77,458 3,5 Dolby Laboratories Inc. 1nc. 31,675 9,004 Class A 39,738 3,4 Samsara Inc. Class A 102,461 3,4 Inc. 41,257 8,883 DoubleVerify Holdings Inc. 140,890 8,610 SS&C Technologies Holdings Inc. 140,890 8,610 Gen Digital Inc. (XINGS) 365,421 8,339 Inc. 35,550 3,3 DocuSign Inc. 136,249 8,100 Workiva Inc. 32,311 3,2 Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 38,571 3,1 Vatranix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,1 Class B 152,913 7,379 Power Integrations Inc. 36,097 3,1 Altair Engineering Inc. 178,938 7,317 Paycom Software Inc. 34,785 7,191 Class A 39,916 7,144 Avnet Inc. 60,950 3,0 Class A 199,472 7,113 Cirrus Logic Inc. 35,856 2,9 Ceridian HCM Holding Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Ui/Path Inc. Class A 244,001 6,061 Inc. 55,078 6,006 Inc. 35,078 Elastic NV 52,734 5,943 Universal Display Corp. 30,139 5,764 Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*							
* Dynatrace Inc. 177,024 9,681 * Wolfspeed Inc. 82,769 3,6 Okta Inc. 105,343 9,537 * Tenable Holdings Inc. 77,458 3,5 Super Micro Computer Inc. 31,675 9,004 * Manhattan Associates Inc. Inc. 31,675 9,004 * Samsara Inc. Class A 102,461 3,4 Inc. 41,257 8,883 * Double Verify Holdings Inc. Inc. 41,257 8,883 * Double Verify Holdings Inc. Inc. 91,362 3,3								
* Okta Inc. 105,343 9,537 * Tenable Holdings Inc. 77,458 3,5 * Super Micro Computer Inc. 31,675 9,004 Class A 39,738 3,4 * Manhattan Associates Inc. 1nc. 41,257 8,883 DoubleVerify Holdings 3,4 * Twilio Inc. Class A 115,866 8,791 Inc. 91,362 3,3 * SS&C Technologies Holdings Inc. 140,890 8,610 Solutions Holdings Inc. 91,362 3,3 * DocuSign Inc. 136,249 8,100 Workiva Inc. 32,311 3,2 Bentley Systems Inc. 152,913 7,979 Power Integrations Inc. 38,571 3,1 * Nutanix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,1 * Orvo Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,1 * Unity Software Inc. 178,938 7,317 Altair Engineering Inc. 69,949 3,1 * Pure Storage Inc. 12,884 7,191 Class A 36,685 3,0	*				*			-,
Super Micro Computer Inc. 31,675 9,004 Class A 39,738 3,4		,			*			3,601
Inc. 31,675 9,004 Class A 39,738 3,4 Manhattan Associates Inc. 41,257 8,883 DoubleVerify Holdings Twilio Inc. Class A 115,866 8,791 Inc. 91,362 3,3 SS&C Technologies Holdings Inc. 140,890 8,610 Solutions Holdings Gen Digital Inc. (XNGS) 365,421 8,339 Inc. 32,311 3,2 Bentley Systems Inc. 136,249 8,100 Workiva Inc. 32,311 3,2 Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 36,949 3,1 Ourvo Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,1 Unity Software Inc. 178,938 7,317 Altair Engineering Inc. Paycom Software Inc. 34,785 7,191 Class A 36,685 3,0 F5 Inc. 39,916 7,144 Avnet Inc. 60,950 3,0 Pure Storage Inc. Class A 199,472 7,113 Cirrus Logic Inc. 35,856 2,9 Ceridian HCM Holding Inc. 99,842 6,673 Confluent Inc. Class A 125,814 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Lattice Semiconductor Corp. 92,380 6,373 Axcelis Technology Inc. 22,103 2,8 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 Elastic NV 52,734 5,943 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 CommWault Systems	*		105,343	9,537		S S	77,458	3,568
* Manhattan Associates Inc. 41,257 8,883 * DoubleVerify Holdings Inc. 115,866 8,791 Inc. MACOM Technology Solutions Holdings Inc. 140,890 8,610 Solutions Holdings Inc. 136,249 8,100 Workiva Inc. 32,311 3,22 Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 38,571 3,11 Qorvo Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,11 Qorvo Inc. 178,938 7,317 Altair Engineering Inc. 199,472 7,113 Cirrus Logic Inc. 35,866 2,9 Watch Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Inc. 125,814 2,9 Inc. 125,814 2,9 Inc. 125,814 2,9 Inc. 125,937 4,940 Dropbox Inc. 133,159 5,070 IAC Inc. 24,750 2,3 Inc. 28,865 2,3 Inc. 125,814 2,9 Inc. 125,814 2,9 Inc. 125,814 2,8 Inc. 125,814 2,8 Inc. 125,814 2,9 Inc. 12			04.075	0.004			20.720	0.405
Inc.			31,675	9,004	*			3,425
* Tivilio Inc. Class A 115,866 8,791 Inc. 91,362 3,31 S&C Technologies Holdings Inc. 140,890 8,610 Gen Digital Inc. (KNGS) 365,421 8,339 Inc. 32,311 3,22 Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 38,571 3,11 Varonis Systems Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,11 Unity Software Inc. 178,938 7,317 Altair Engineering Inc. Paycom Software Inc. 39,916 7,144 Avnet Inc. 60,950 3,08 Pure Storage Inc. 182,824 6,673 Ceridian HCM Holding Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Lattice Semiconductor Corp. 92,380 6,373 Axcelis Technology Silicon Laboratories Inc. 21,564 2,8 Conto Inc. 182,824 6,006 Amkor Technology Inc. 26,652 2,3 Universal Display Corp. 30,139 5,764 NBR Inc. 183,420 4,955 Blackline Inc. 28,652 2,3 Topobox Inc. 182,824 6,670 Silicon Laboratories Inc. 24,755 2,5 Toost Inc. 183,420 4,955 Blackline Inc. 28,652 2,3 Toropbox Inc. Class A 167,076 4,925 Commitvalt Systems			44.057	0.000	*		102,461	3,420
SS&C Technologies	*						01 000	2.200
Holdings Inc. 140,890 8,610 Solutions Holdings Inc. 35,550 3,3			115,866	8,791	*		91,362	3,360
Gen Digital Inc. (XNGS) 365,421 8,339 Inc. 35,550 3,3 DocuSign Inc. 136,249 8,100 Workiva Inc. 32,311 3,2 Bentley Systems Inc. Kyndryl Holdings Inc. 156,132 3,2 Class B 152,913 7,979 Power Integrations Inc. 38,571 3,1 Nutanix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,1 Oorvo Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,1 Unity Software Inc. 178,938 7,317 Altair Engineering Inc. 69,949 3,1 Paycom Software Inc. 34,785 7,191 Class A 36,685 3,0 F5 Inc. 39,916 7,144 Avnet Inc. 60,950 3,0 Pure Storage Inc. 57,113 Cirrus Logic Inc. 35,856 2,9 Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 <t< td=""><td></td><td></td><td>140.000</td><td>0.010</td><td></td><td></td><td></td><td></td></t<>			140.000	0.010				
* DocuSign Inc. Bentley Systems Inc. Class B							05 550	0.004
Bentley Systems Inc. Class B 152,913 7,979 Power Integrations Inc. 38,571 3,11					*			3,304
Class B 152,913 7,979 Power Integrations Inc. 38,571 3,11 Nutanix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,11 Ourvo Inc. 65,426 7,368 Blackbaud Inc. 36,097 3,11 Unity Software Inc. 178,938 7,317 Altair Engineering Inc. Class A 36,685 3,01 For Inc. 39,916 7,144 Avnet Inc. 60,950 3,01 Pure Storage Inc. Freshworks Inc. Class A 130,082 3,01 Ceridian HCM Holding DXC Technology Co. 130,353 2,91 Inc. 99,842 6,701 Synaptics Inc. Class A 125,814 2,91 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,91 Lattice Semiconductor Corp. 92,380 6,373 Axcelis Technologies UiPath Inc. Class A 244,001 6,061 Inc. Silicon Laboratories Inc. 21,564 2,81 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,71 Elastic NV 52,734 5,943 Advanced Energy Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,61 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,51 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,31 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,31 Tropbox Inc. Class A 167,076 4,925 CommVault Systems			136,249	8,100				3,281
Nutanix Inc. Class A 160,435 7,651 Varonis Systems Inc. 69,949 3,14					*			3,244
* Qorvo Inc. 65,426 7,368 * Blackbaud Inc. 36,097 3,13 Unity Software Inc. 178,938 7,317 * Altair Engineering Inc. Paycom Software Inc. 34,785 7,191 Class A 36,685 3,00 F5 Inc. 39,916 7,144 Avnet Inc. 60,950 3,0 Freshworks Inc. Class A 130,082 3,0 Class A 199,472 7,113 * Cirrus Logic Inc. 35,856 2,90 Inc. 99,842 6,701 Synaptics Inc. 25,821 2,90 Match Group Inc. 182,824 6,673 * Confluent Inc. Class A 125,814 2,90 Corp. 92,380 6,373 * Axcelis Technologies Inc. 22,103 2,80 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,70 Conto Innovation Inc. 33,159 5,070 * IAC Inc. 47,755 2,50 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,30 CommVault Systems				,				3,167
* Unity Software Inc. Paycom Software Inc. 34,785 7,191 Class A 36,685 3,0 F5 Inc. 39,916 7,144 Avnet Inc. 60,950 3,0 Pure Storage Inc. Class A 199,472 7,113 Cirrus Logic Inc. 35,856 2,9 DXC Technology Co. 130,353 2,9 Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Corp. 92,380 6,373 Axcelis Technologies * UiPath Inc. Class A 244,001 6,061 Inc. 55,078 6,006 Amkor Technology Inc. 21,564 2,8 Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 72,387 4,940 Dropbox Inc. Class A 167,076 4,925 CommVault Systems								3,167
Paycom Software Inc. 178,935 7,191 Class A 36,685 3,0							36,097	3,130
* F5 Inc. 39,916 7,144 Avnet Inc. 60,950 3,0 Pure Storage Inc Freshworks Inc. Class A 130,082 3,0 Class A 199,472 7,113 Cirrus Logic Inc. 35,856 2,9 DXC Technology Co. 130,353 2,9 Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Lattice Semiconductor Corp. 92,380 6,373 Axcelis Technologies **UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 Advanced Energy Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Foropbox Inc. Class A 167,076 4,925 CommVault Systems	_				*			
Pure Storage Inc. Freshworks Inc. Class A 130,082 3,0 Class A 199,472 7,113 Cirrus Logic Inc. 35,856 2,9 Ceridian HCM Holding Inc. DXC Technology Co. 130,353 2,9 Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Lattice Semiconductor Corp. 92,380 6,373 Axcelis Technologies 66,357 2,8 UlPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 Elastic NV 52,734 5,943 Advanced Energy Juliversal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc								3,087
Class A 199,472 7,113 * Cirrus Logic Inc. 35,856 2,9 DXC Technology Co. 130,353 2,9 Inc. 99,842 6,701 * Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 * Confluent Inc. Class A 125,814 2,9 Teradata Corp. 66,357 2,8 Teradata Corp. 66,357 2,8 UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 * IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 * CommVault Systems			39,916	7,144				3,072
** Ceridian HCM Holding Inc. 99,842 6,701 DXC Technology Co. 130,353 2,90 * Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 * Lattice Semiconductor Corp. 92,380 6,373 * Confluent Inc. Class A 125,814 2,9 * UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 * Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 21,564 2,8 * Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 * Elastic NV 52,734 5,943 Industries Inc. 24,750 2,6 * Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 * Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 * Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*	•			*			3,056
Inc. 99,842 6,701 Synaptics Inc. 25,821 2,9 Match Group Inc. 182,824 6,673 Confluent Inc. Class A 125,814 2,9 Lattice Semiconductor Teradata Corp. 66,357 2,8 UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 Guidewire Software Silicon Laboratories Inc. 21,564 2,8 Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 Elastic NV 52,734 5,943 Advanced Energy Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Bropbox Inc. Class A 167,076 4,925 CommVault Systems			199,472	7,113	*			2,983
* Match Group Inc. 182,824 6,673 * Confluent Inc. Class A 125,814 2,9 * Lattice Semiconductor Corp. 92,380 6,373 * Axcelis Technologies 2,8 * UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 * Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 * Elastic NV 52,734 5,943 Advanced Energy 24,750 2,6 * Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 * Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 * Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 * CommVault Systems * CommVault Systems	*				*			2,981
* Lattice Semiconductor Corp. 92,380 6,373 * Axcelis Technologies			99,842		*		25,821	2,946
Corp. 92,380 6,373 * Axcelis Technologies * UlPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 * Guidewire Software Inc. * Silicon Laboratories Inc. 21,564 2,8 Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 * Elastic NV 52,734 5,943 Advanced Energy 10,000	*		182,824	6,673	*		125,814	2,944
* UiPath Inc. Class A 244,001 6,061 Inc. 22,103 2,8 * Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,7 * Elastic NV 52,734 5,943 Advanced Energy Industries Inc. 24,750 2,6 * Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 * Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 * Rambus Inc. 72,387 4,940 Diodes Inc. Class A 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*	Lattice Semiconductor			*		66,357	2,887
** Guidewire Software Inc. 55,078 6,006 Amkor Technology Inc. 21,564 2,8 ** Elastic NV 52,734 5,943 Advanced Energy 82,980 2,7 ** Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 ** Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 ** Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 ** Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 ** Dropbox Inc. Class A 167,076 4,925 CommVault Systems CommVault Systems					*			
Inc. 55,078 6,006 Amkor Technology Inc. 82,980 2,78 Elastic NV 52,734 5,943 Advanced Energy Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*		244,001	6,061				2,867
* Elastic NV 52,734 5,943 Advanced Energy Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*	Guidewire Software			*			2,852
Universal Display Corp. 30,139 5,764 Industries Inc. 24,750 2,6 Onto Innovation Inc. 33,159 5,070 IAC Inc. 47,755 2,5 Toast Inc. Class A 272,530 4,976 Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 Blackline Inc. 37,322 2,3 Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 CommVault Systems							82,980	2,761
* Onto Innovation Inc. 33,159 5,070 * IAC Inc. 47,755 2,5 * Toast Inc. Class A 272,530 4,976 * Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 * Blackline Inc. 37,322 2,3 * Rambus Inc. 72,387 4,940 Diodes Inc. 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 CommVault Systems	*		52,734	5,943				
* Toast Inc. Class A 272,530 4,976 * Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 * Blackline Inc. 37,322 2,3 Rambus Inc. 72,387 4,940 * Diodes Inc. 28,652 2,3 Dropbox Inc. Class A 167,076 4,925 * CommVault Systems								2,696
* Toast Inc. Class A 272,530 4,976 * Box Inc. Class A 91,385 2,3 KBR Inc. 89,420 4,955 * Blackline Inc. 37,322 2,3 * Rambus Inc. 72,387 4,940 * Diodes Inc. 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 * CommVault Systems	*	Onto Innovation Inc.	33,159	5,070	*		47,755	2,501
KBR Inc. 89,420 4,955 * Blackline Inc. 37,322 2,3 * Rambus Inc. 72,387 4,940 * Diodes Inc. 28,652 2,3 * Dropbox Inc. Class A 167,076 4,925 * CommVault Systems	*	Toast Inc. Class A	272,530	4,976	*	Box Inc. Class A	91,385	2,340
* Rambus Inc. 72,387 4,940 * Diodes Inc. 28,652 2,30 * Dropbox Inc. Class A 167,076 4,925 * CommVault Systems		KBR Inc.		4,955	*	Blackline Inc.		2,330
* Dropbox Inc. Class A 167,076 4,925 * CommVault Systems	*				*			2,307
	*	Dropbox Inc. Class A			*	CommVault Systems		
Inc. 28,624 2,2						Inc.	28,624	2,286

Rapid7 Inc.								
Rapid7 Inc.				Market				Market
Rapid/ Inc.			Shares				Shares	
Appfolio Inc. Class A 12,834 2,223 Veeco Instruments Inc. 34,501 1,071	*	Rapid7 Inc			*	Cohu Inc		
FormFactor Inc. Dun & Bradstreet Holdings Inc. Holdings Inc. 184,883 2,163 1777 Alarm.com Holdings Inc. 2,961 2,962 2,963 3,963 2,96	*				*			
Dun & Bradstreet Holdings Inc.	*				*			
Holdings Inc. 184,883 2,163 TTM Technologies Inc. 47,544 1,027			0.,0.0	_,	*			
Alarm.com Holdings		Holdings Inc.	184,883	2,163	*			1,032
Inc.	*	IPG Photonics Corp.	19,471	2,113	*	Paycor HCM Inc.	47,544	1,027
Yelp Inc. 42,954 2,033 * NetScout Systems Inc. 45,742 1,004 Plexus Corp. 18,256 1,974 * Bumble Inc. Class A 27,175 975 Vishay Intertechnology Inc. 81,773 1,960 International Inc. Class A 33,659 956 ***CI Col. Intelligent * Solutions Holdings Inc. 171,184 1,953 Informatica Inc. Class A 33,659 956 CCC Intelligent * Solutions Holdings Inc. 171,184 1,950 * Wertex Inc. Class A 33,659 956 A Atheryx Inc. Class A 41,206 1,943 * CTS Corp. 21,171 96 * Alteryx Inc. Class A 31,551 1,993 * Zuora Inc. Class A 49,213 936 * JFrog Ltd. 53,330 1,846 Adeia Inc. 68,422 823 * JFrog Ltd. 53,350 1,846 Adeia Inc. 66,422 823 * Sammina Corp. 35,694 1,184 Adeia Inc. 96,422 823 * Envestret Inc. 33,884 1,678 Zeta Global Holdings <td< td=""><td>*</td><td>Alarm.com Holdings</td><td></td><td></td><td>*</td><td>Ultra Clean Holdings</td><td></td><td></td></td<>	*	Alarm.com Holdings			*	Ultra Clean Holdings		
Ziff Davis Inc. 29,718 1,997 ".1 Xometry Inc. Class A 65,847 971 Vishay Intertechnology Inc. 81,773 1,966 1,974 ".1 Burble Inc. Class A 65,847 971 **1 C3.ai Inc. Class A 68,034 1,953 ".1 Informatica Inc. Class A 33,659 956 **1 C2C Intelligent ".1 Soutions Holdings Inc. ".1 Semtech Corp. 43,375 956 **1 Inc. Alteryx Inc. Class A 41,206 1,934 ".1 Semtech Corp. 43,375 957 **1 Inc. Alteryx Inc. Class A 41,206 1,943 ".1 Semtech Corp. 43,375 957 **2 Sprout Social Inc. Class A 41,206 1,943 ".1 Semtech Corp. 49,213 936 **3 Braze Inc. Class A 31,551 1,939 ".2 Jurn Holding Corp. 49,062 886 **3 Brizze Inc. Class A 36,250 1,926 Magnite Inc. 89,502 836 **4 Samina Corp. 33,884 1,678 *** Samina Corp. 29,511 1,1772 *** Sprinkfr Inc. Class A 46,058 795 <td></td> <td>Inc.</td> <td>31,916</td> <td>2,062</td> <td></td> <td>Inc.</td> <td>30,059</td> <td>1,026</td>		Inc.	31,916	2,062		Inc.	30,059	1,026
Pilexus Corp	*	Yelp Inc.	42,954	2,033	*		45,742	1,004
Vishay Intertechnology	*				*,1	rioinion y mior olacori	,	
1. C3 ai Inc. Class A 33,659 956	*		18,256	1,974	*		65,847	971
CCC Intelligent		Inc.	81,773	1,960			18,202	969
Solutions Holdings	*,1	C3.ai Inc. Class A	68,034	1,953	*	Informatica Inc. Class A	33,659	956
Inc.	*	CCC Intelligent			*		43,375	950
Alteryx Inc. Class A					*			
 Sprout Social Inc. Class A	_				*			
Class A 31,551 1,939 * Zuora Inc. Class A 33,185 876 Braze Inc. Class A 36,250 1,926 * Magnite Inc. 89,502 836 JFrog Ltd. 53,330 1,846 Adeia Inc. 66,422 823 Sanmina Corp. 35,694 1,834 * AvePoint Inc. 93,337 799 Parsons Corp. 28,251 1,772 * Sprinklr Inc. Class A 66,058 795 Envestnet Inc. 33,884 1,678 * Zeta Global Holdings Corp. 12,594 1,663 Corp. 12,594 1,663 * Inc. Class A 96,311 781 LiveRamp Holdings Inc. 42,777 1,620 Shutterstock Inc. 15,968 771 Ambarella Inc. 24,447 1,498 Veradigm Inc. 98,077 714 Perficient Inc. 22,648 1,491 * EngageSmart Inc. 29,511 676 NCR Voyix Corp. 86,484 1,462 Schrodinger Inc. 40,485 1,498 Cargurus Inc. 59,533 1,334 Allegro MicroSystems Inc. 42,721 1,330 Allegro MicroSystems Inc. 17,460 1,394 Cargurus Inc. 19,098 1,331 Pagesty Inc. Class A 38,370 1,267 Pager Duty Inc. 14,101 1,270 * Navitas Semiconductor Inc. Class A 48,136 612 Inc. Class A 48,136 612 Shart Research Inc. 23,355 629 MaxLinear Inc. 48,538 1,154 * MaxIncendings Inc. 14,090 548 Squarespace Inc. 17,460 1,334 Class A 38,370 1,267 Inc. Class A 38,370 1,267 Allegro MicroSystems Inc. 27,210 1,330 * Amplitude Inc. Class A 48,136 612 Inc. Class A 59,318 1,225 Inc. Grage Square Inc. 24,267 630 Allegro MicroSystems Inc. 27,210 1,330 * Amplitude Inc. Class A 48,136 612 Inc. Class A 59,318 1,225 Inc. Grage Square Inc. 41,090 548 Squarespace Inc. 14,101 1,270 * Navitas Semiconductor Inc. 17,409 607 Allomping Inc. 14,101 1,270 * Navitas Semiconductor Inc. 17,409 607 Allomping Inc. 14,101 1,270 * Navitas Semiconductor Inc. 189,863 511 PROS Holdings Inc. 38,305 1,202 MaxLinear Inc. 29,831 1,144 * Simulations Plus Inc. 11,396 510 MaxLinear Inc. 29,631 1,144 * Simulations Plus Inc. 11,396 510 MaxLinear Inc. 29,631 1,144 * Simulations Plus Inc. 11,396 510 MaxLinear Inc. 29,631 1,144 * Simulations Plus Inc. 11,396 510 MaxLinear Inc. 29,631 1,144 * Simulations Plus Inc. 11,396 510 MaxLinear Inc. 25,730 506	*		41,206	1,943				
Braze Inc. Class A 36,250 1,926 Magnite Inc. 89,502 836	*		04 554	4 000	*			
JFrog Ltd. 53,330 1,846 Adeïa Inc. 66,422 823 Sanmina Corp. 35,694 1,834 AvePoint Inc. 97337 799 Parsons Corp. 28,251 1,772 Sprinklr Inc. Class A 66,058 795 Envestnet Inc. 33,884 1,678 Zeta Global Holdings 786 Credo Technology 670up Holding Ltd. 85,457 1,664 PDF Solutions Inc. 24,445 786 Rogers Corp. 12,594 1,663 indie Semiconductor 160,311 781 Q2 Holdings Inc. 42,777 1,620 Shutterstock Inc. 15,968 771 HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Corp. 28,503 1,548 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 Perficient Inc. 42,644 1,498 Lorp Holdings Inc. 29,490 717 NCR Voyix Corp. 86,484 1,					*			
* Sanmina Corp. 35,694 1,834 * AvePoint Inc. 97,337 799 * RingCentral Inc. Class A 53,197 1,806 Intapp Inc. 29,975 797 * Parsons Corp. 28,251 1,772 * SprinkIr Inc. Class A 66,058 795 * Envestnet Inc. 33,884 1,678 * Zeta Global Holdings * Credo Technology * Group Holding Ltd. 85,457 1,664 * PDF Solutions Inc. 24,445 786 * Rogers Corp. 12,594 1,663 * indie Semiconductor * Q2 Holdings Inc. 37,927 1,646 Inc. Class A 96,311 781 * LiveRamp Holdings Inc. 42,777 1,620 * Shutterstock Inc. 15,968 771 * HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 * Progress Software * Corp. 28,503 1,548 * Everbridge Inc. 29,490 717 * Ambarella Inc. 24,447 1,498 * Veradigm Inc. 68,077 714 * Perficient Inc. 22,648 1,491 * EngageSmart Inc. 29,511 676 * nCino Inc. 44,236 1,488 * Ichor Holdings Ltd. 19,830 667 * NCR Voyix Corp. 86,484 1,462 Benchmark Electronics * Fastly Inc. Class A 81,569 1,452 * Schrödinger Inc. 40,485 1,449 * E2open Parent * Cargurus Inc. 59,533 1,438 Holdings Inc. 17,460 1,394 Class A 32,247 630 * Allegro MicroSystems Inc. 17,460 1,394 Class A 32,247 630 * Allegro MicroSystems Inc. 199,083 1,352 Corp. 76,214 615 * Pegagsystems Inc. 27210 1,330 * Amplitude Inc. Class A 48,136 612 * DigitalOcean Holdings Inc. 14,101 1,270 * N-Able Inc. 42,736 566 * Squarespace Inc. Class A 9,318 1,225 Methode Electronics Inc. 42,836 511 * PROS Holdings Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 49,631 1,149 * Simulations Plus Inc. 13,396 510 * Agliysys Inc. 13,340 1,132 * Cerence Inc. 25,5730 506	*		,					
 RingCentral Inc. Class A 53, 197 1,806 Parsons Corp. 28,251 1,772 Sprinklr Inc. Class A 66,058 795 Envestnet Inc. 33,884 1,678 Credo Technology Group Holding Ltd. 85,457 1,664 Rogers Corp. 12,594 1,663 Oz Holdings Inc. 42,777 1,620 LiveRamp Holdings Inc. 42,777 1,620 HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Porgress Software Corp. 28,503 1,548 Perficient Inc. 22,4447 1,498 Perficient Inc. 22,648 1,491 Perficient Inc. 44,236 1,488 NCR Voyix Corp. 11,537 1,408 Schrodinger Inc. 40,485 1,449 Schrodinger Inc. 40,485 1,449 Schrodinger Inc. 45,943 1,391 Allegro MicroSystems Inc. 27,210 1,330 Pegsaystems Inc. 27,210 1,330 PagerDuty Inc. 14,101 1,270 N-Able Inc. 42,736 1,267 Impinj Inc. 14,101 1,270 MaxLinear Inc. 48,538 1,154 Pagos Systems Corp. 16,260 MaxLinear Inc. 48,538 1,154 Pagos Systems Corp. 11,537 1,408 Allegro MicroSystems Inc. 27,210 1,330 PagerDuty Inc. 14,101 1,270 Amplitude Inc. Class A 48,136 612 DigitalOcean Holdings Inc. 14,101 1,270 N-Able Inc. 42,736 1,267 Grid Dynamics Holdings Inc. 14,100 548 Inc. Class A 3,370 1,267 Grid Dynamics Holdings Inc. 29,811 1,154 MaxLinear Inc. 48,538 1,154 MaxLinear Inc. 29,813 1,149 Cerence Inc. 25,5730 506 	*				*			
 Parsons Corp. Envestnet Inc. 33,884 1,678 Zeta Global Holdings Corp. Class A 89,273 787 Rogers Corp. 12,594 1,664 PDF Solutions Inc. 24,445 786 Rogers Corp. Q2 Holdings Inc. 37,927 1,646 Inc. Class A 16,998 771 HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Porgress Software Corp. 28,503 1,548 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 29,511 676 nCino Inc. 44,236 1,488 Ichor Holdings Ltd. 19,330 667 Schrodinger Inc. 40,485 1,449 Egopen Parent Cargrus Inc. 40,485 1,491 Egopen Parent Holdings Inc. 42,740 408 ACM Research Inc. 23,157 640 Stitime Corp. 11,537 1,408 ACM Research Inc. 23,355 629 Inc. Apilitor Inc. 10,0 Inc. 10,00 Inc. 10,00	*				*			
 Envestnet Inc. Credo Technology Group Holding Ltd. 85,457 1,664 PDF Solutions Inc. 24,445 786 Rogers Corp. 12,594 1,663 indie Semiconductor Inc. Class A 96,311 781 LiveRamp Holdings Inc. 42,777 HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Progress Software Corp. 28,503 1,548 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 Perficient Inc. 22,648 1,491 EngageSmart Inc. 29,511 676 NCR Voyix Corp. 86,484 1,462 Benchmark Electronics Inc. 23,157 640 Schrodinger Inc. 40,485 1,449 E2open Parent Cargurus Inc. 59,533 1,438 Holdings Inc. 45,740 ACM Research Inc. 23,355 629 Navitas Semiconductor Corp. 76,214 615 Pegasystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 TechTarget Inc. 41,596 Model N Inc. 23,211 660 Martines Felicorics Inc. Amplitude Inc. Class A 48,136 612 TechTarget Inc. 42,736 660 Alkami Technology Inc. 23,211 563 Grid Dynamics Holdings <l< td=""><td>*</td><td></td><td></td><td></td><td>*</td><td></td><td></td><td></td></l<>	*				*			
* Credo Technology Corp. Class A 89,273 787 Group Holding Ltd. 85,457 1,664 * PDF Solutions Inc. 24,445 786 Rogers Corp. 12,594 1,663 * indie Semiconductor * Q2 Holdings Inc. 37,927 1,646 Inc. Class A 96,311 781 * LiveRamp Holdings Inc. 42,777 1,620 Shutterstock Inc. 15,968 771 * HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Progress Software 28,503 1,548 Everbridge Inc. 29,490 717 Corp. 28,503 1,548 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 * Perficient Inc. 22,648 1,491 EngageSmart Inc. 29,511 676 * NCR Voyix Corp. 86,484 1,462 Inc. 23,157 640 * Schrodinger Inc. 40,485 1,449 Eopen Parent Holdings Inc. 145,	*				*		00,000	700
Group Holding Ltd.	*		00,00	.,0,0			89.273	787
* Rogers Corp. 12,594 1,663 * indie Semiconductor 20 Holdings Inc. 37,927 1,646 Inc. Class A 96,311 781 LiveRamp Holdings Inc. 42,777 1,620 Shutterstock Inc. 15,968 771 * HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 * Progress Software			85,457	1,664	*		,	
* LiveRamp Holdings Inc. 42,777 1,620 Shutterstock Inc. 15,968 771 HashiCorp Inc. Class A 66,738 1,578 PAR Technology Corp. 17,488 761 Progress Software ScanSource Inc. 18,137 718 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 Perficient Inc. 22,648 1,491 EngageSmart Inc. 29,511 676 nCino Inc. 44,236 1,488 Ichor Holdings Ltd. 19,830 667 NCR Voyix Corp. 86,484 1,462 Benchmark Electronics Inc. 23,157 640 Schrodinger Inc. 40,485 1,449 E2open Parent Holdings Inc. 145,740 640 Schrodinger Inc. 59,533 1,438 Holdings Inc. 145,740 640 Schrodinger Inc. 17,460 1,394 Class A 32,247 630 Allegro MicroSystems Inc. 17,460 1,394 Class A 32,247 630 Allegro MicroSystems Inc. 17,460 1,394 Class A 32,247 630 Allegro MicroSystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 DigitalOcean Holdings Inc. 35,322 1,296 Annylitude Inc. Class A 48,136 612 TechTarget Inc. 17,409 607 Inc. 25,199 1,278 Inc. Annylitude Inc. Class A 48,136 612 Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings Inc. Class A 30,423 576 Impinj Inc. 14,101 1,270 N-Able Inc. 23,211 563 Class A 59,318 1,225 Methode Electronics Inc. 22,898 520 MaxLinear Inc. 48,538 1,154 Matterport Inc. 18,9863 511 PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 Agliysys Inc. 13,340 1,132 Cerence Inc. 25,730 506	*				*	indie Semiconductor		
* HashiCorp Inc. Class A Progress Software Corp. 28,503 1,548 Everbridge Inc. 29,490 717 * Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 * Perficient Inc. 22,648 1,491 EngageSmart Inc. 29,511 676 * nCino Inc. 44,236 1,488 Ichor Holdings Ltd. 19,830 667 * NCR Voyix Corp. 86,484 1,462 Benchmark Electronics Inc. 23,157 640 * Schrodinger Inc. 40,485 1,449 E2open Parent Cargurus Inc. 59,533 1,438 Holdings Inc. 145,740 640 * Sitime Corp. 11,537 1,408 ACM Research Inc. 23,355 629 * Inc. 45,943 1,391 Navitas Semiconductor Corp. 109,083 1,352 Corp. 76,214 615 * Pegasystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 * DigitalOcean Holdings Inc. 14,101 1,270 N-Able Inc. 42,736 566 * Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings Inc. Class A 59,318 1,225 * Photronics Inc. 38,305 1,202 Inc. Capulson Inc. Class A 59,318 1,225 * Photronics Inc. 48,538 1,154 Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Inc. 13,396 510 * Aglysys Inc. 13,340 1,132 Cerence Inc. 25,730 506	*	Q2 Holdings Inc.	37,927	1,646		Inc. Class A	96,311	781
Progress Software	*	LiveRamp Holdings Inc.	42,777	1,620		Shutterstock Inc.	15,968	771
Corp. 28,503 1,548 Everbridge Inc. 29,490 717 Ambarella Inc. 24,447 1,498 Veradigm Inc. 68,077 714 Perficient Inc. 22,648 1,491 EngageSmart Inc. 29,511 676 n Cino Inc. 44,236 1,488 Ichor Holdings Ltd. 19,830 667 NCR Voyix Corp. 86,484 1,462 Benchmark Electronics 23,157 640 Fastly Inc. Class A 81,569 1,452 Inc. 23,157 640 Schrodinger Inc. 40,485 1,449 E2open Parent 145,740 640 Stime Corp. 11,537 1,408 ACM Research Inc. 145,740 640 Sitime Corp. 11,537 1,408 ACM Research Inc. 23,355 629 Inc. 45,943 1,391 Navitas Semiconductor 23,355 629 Inc. 45,943 1,391 Navitas Semiconductor 17,409 607 *Inc. 27,210 1,330 Amplitude Inc. Class A	*		66,738	1,578	*		17,488	761
* Ambarella Inc. 24,447 1,498 * Veradigm Inc. 68,077 714 Perficient Inc. 22,648 1,491 * EngageSmart Inc. 29,511 676 n Cino Inc. 44,236 1,488					*			
* Perficient Inc. 22,648 1,491 * EngageSmart Inc. 29,511 676 n Cino Inc. 44,236 1,488 1,462 Benchmark Electronics 19,830 667 NCR Voyix Corp. 86,484 1,462 Benchmark Electronics 10,00 10,00 640 Schrodinger Inc. 40,485 1,449 E2open Parent 145,740 640 Cargurus Inc. 59,533 1,438 Holdings Inc. 145,740 640 Sitime Corp. 11,537 1,408 ACM Research Inc. 145,740 640 Sitime Corp. 11,537 1,408 ACM Research Inc. 145,740 640 Sitime Corp. 17,460 1,394 ACM Research Inc. 123,355 629 Inc. 45,943 1,391 Navitas Semiconductor 100,000 100,000 1,330 Amplitude Inc. Class A 48,136 612 Pegasystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 Digital/Ocean Holdings 100,000 1,295	_		,	,	*			
* nCino Inc.								
* NCR Voyix Corp. 86,484 1,462 Benchmark Electronics * Fastly Inc. Class A 81,569 1,452 Inc. 23,157 640 * Schrodinger Inc. 40,485 1,449 * E2open Parent 145,740 640 * Cargurus Inc. 59,533 1,438 * Holdings Inc. 145,740 640 * Sitime Corp. 11,537 1,408 * ACM Research Inc. 145,740 640 * Sitime Corp. 11,537 1,408 * ACM Research Inc. 145,740 640 * Allegro MicroSystems 10,000 1,394 Class A 32,247 630 * Allegro MicroSystems 1nc. 45,943 1,391 * Navitas Semiconductor 23,355 629 * Inc. 45,943 1,391 * Navitas Semiconductor 76,214 615 615 * Pegasystems Inc. 27,210 1,330 * Amplitude Inc. Class A 48,136 612 * DigitalOcean Holdings Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
* Fastly Inc. Class A 81,569 1,452 Inc. 23,157 640 * Schrodinger Inc. 40,485 1,449 * E2open Parent * Cargurus Inc. 59,533 1,438 Holdings Inc. 145,740 640 * Sitime Corp. 11,537 1,408 * ACM Research Inc. * ePlus Inc. 17,460 1,394 Class A 32,247 630 * Allegro MicroSystems Inc. 45,943 1,391 Navitas Semiconductor * I lonQ Inc. 109,083 1,352 Corp. 76,214 615 * Pegasystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 * DigitalOcean Holdings Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 * Xerox Holdings Corp. 70,641 1,295 SMART Global Holdings Inc. 14,101 1,270 N-Able Inc. 42,736 566 * Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 * Clear Secure Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 Matterport Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506							19,830	667
* Schrodinger Inc. 40,485 1,449 * E2open Parent Cargurus Inc. 59,533 1,438 Holdings Inc. 145,740 640 Sitime Corp. 11,537 1,408 * ACM Research Inc. ePlus Inc. 17,460 1,394 Class A 32,247 630 Model N Inc. 23,355 629 Nodel N Inc. 109,083 1,352 Corp. 76,214 615 Pegasystems Inc. 27,210 1,330 * Amplitude Inc. Class A 48,136 612 TechTarget Inc. 17,409 607 Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. 70,641 1,295 SMART Global Holdings Inc. 14,101 1,270 N-Able Inc. 42,736 566 Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings Inc. Class A 59,318 1,225 Methode Electronics Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 Agilysys Inc. 13,340 1,132 * Cerence Inc. Class Inc. 25,730 506	*						22 157	640
**Cargurus Inc. 59,533 1,438	*				*		23,137	040
* Sitime Corp. 11,537 1,408	*						1/15 7/10	640
* ePlus Inc. 17,460 1,394 Class A 32,247 630 * Allegro MicroSystems Inc. 45,943 1,391 Navitas Semiconductor * I lonQ Inc. 109,083 1,352 Corp. 76,214 615 * Pegasystems Inc. 27,210 1,330 Amplitude Inc. Class A 48,136 612 * DigitalOcean Holdings Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. 70,641 1,295 SMART Global Holdings Inc. 35,199 1,278 Inc. 30,423 576 * Impinj Inc. 14,101 1,270 N-Able Inc. 42,736 566 * Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 Matterport Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 Cerence Inc. 25,730 506	*				*		143,740	040
* Allegro MicroSystems Inc. 45,943 1,391 * Navitas Semiconductor	*						32 247	630
Inc.	*		17, 100	1,001	*			
**1 lonQ Inc. 109,083 1,352 Corp. 76,214 615 Pegasystems Inc. 27,210 1,330 * Amplitude Inc. Class A 48,136 612 DigitalOcean Holdings Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. 70,641 1,295 SMART Global Holdings 576 * PagerDuty Inc. 55,199 1,278 Inc. 30,423 576 * Impinj Inc. 14,101 1,270 * N-Able Inc. 42,736 566 * Squarespace Inc. * Alkami Technology Inc. 23,211 563 * Class A 38,370 1,267 * Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 * Clear Secure Inc. * 3D Systems Corp. 82,041 521 * Photronics Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 * Materport Inc. 189,863 511 * PROS Holdings Inc.			45,943	1,391	*			
Pegasystems Inc. 27,210 1,330 * Amplitude Inc. Class A 1,48,136 612 DigitalOcean Holdings Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. 70,641 1,295 SMART Global Holdings 560 PagerDuty Inc. 55,199 1,278 Inc. 30,423 576 Impinj Inc. 14,101 1,270 N-Able Inc. 42,736 566 Squarespace Inc. * Alkami Technology Inc. 23,211 563 Class A 38,370 1,267 Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc. 30 Systems Corp. 82,041 521 Class A 59,318 1,225 Methode Electronics Photronics Inc. 38,305 1,202 Inc. 22,898 520 MaxLinear Inc. 48,538 1,154 Matterport Inc. 189,863 511 PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11	*,1	IonQ Inc.	109,083				76,214	615
Inc. 35,322 1,296 A10 Networks Inc. 45,556 600 Xerox Holdings Corp. 70,641 1,295 * SMART Global Holdings 576 PagerDuty Inc. 55,199 1,278 Inc. 30,423 576 Impinj Inc. 14,101 1,270 * N-Able Inc. 42,736 566 Squarespace Inc. * Alkami Technology Inc. 23,211 563 Class A 38,370 1,267 * Grid Dynamics Holdings * 41,090 548 Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc. 35,9318 1,225 Methode Electronics * Methode Electronics * Photronics Inc. 38,305 1,202 Inc. 22,898 520 MaxLinear Inc. 48,538 1,154 Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506 <td></td> <td>Pegasystems Inc.</td> <td></td> <td></td> <td>*</td> <td>Amplitude Inc. Class A</td> <td></td> <td>612</td>		Pegasystems Inc.			*	Amplitude Inc. Class A		612
Xerox Holdings Corp. 70,641 1,295 * SMART Global Holdings * PagerDuty Inc. 55,199 1,278 Inc. 30,423 576 I Impinj Inc. 14,101 1,270 * N-Able Inc. 42,736 566 * Squarespace Inc. * Alkami Technology Inc. 23,211 563 * Class A 38,370 1,267 Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc. * 3D Systems Corp. 82,041 521 * Class A 59,318 1,225 Methode Electronics * Photronics Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506	*	DigitalOcean Holdings			*	TechTarget Inc.	17,409	607
* PagerDuty Inc. 55,199 1,278 Inc. 30,423 576 * Impinj Inc. 14,101 1,270 * N-Able Inc. 42,736 566 * Squarespace Inc. * Alkami Technology Inc. 23,211 563 * Class A 38,370 1,267 * Grid Dynamics Holdings * Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc. * 3D Systems Corp. 82,041 521 * Class A 59,318 1,225 Methode Electronics * Photronics Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506		Inc.	35,322	1,296		A10 Networks Inc.	45,556	600
* Impinj Inc. 14,101 1,270 * N-Able Inc. 42,736 566 * Squarespace Inc. Class A 38,370 1,267 Grid Dynamics Holdings 23,211 563 * Upwork Inc. Clear Secure Inc. Class A 84,120 1,251 Inc. 41,090 548 * Photronics Inc. 38,305 1,225 Methode Electronics 22,898 520 * MaxLinear Inc. 48,538 1,154 Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 Cerence Inc. 25,730 506				1,295	*	SMART Global Holdings		
* Squarespace Inc. Class A * Alkami Technology Inc. Grid Dynamics Holdings 23,211 563 * Upwork Inc. Clear Secure Inc. Class A 84,120 1,251 Inc. 3D Systems Corp. 41,090 41,090 548 * Photronics Inc. MaxLinear Inc. PROS Holdings Inc. Agilysys Inc. 38,305 1,225 Methode Electronics Inc. Matterport Inc. Matterport Inc. Matterport Inc. Minulations Plus Inc. Min	*							
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* Upwork Inc. 84,120 1,251 Inc. 41,090 548 Clear Secure Inc.	-		38 370	1 267	*		23,211	563
Clear Secure Inc. * 3D Systems Corp. 82,041 521 Class A 59,318 1,225 Methode Electronics Photronics Inc. 38,305 1,202 Inc. 22,898 520 MaxLinear Inc. 48,538 1,154 Matterport Inc. 189,863 511 PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 Agilysys Inc. 13,340 1,132 Cerence Inc. 25,730 506	*						41 090	548
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* Photronics Inc. 38,305 1,202 Inc. 22,898 520 * MaxLinear Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506			59.318	1.225			02,011	021
* MaxLinear Inc. 48,538 1,154 * Matterport Inc. 189,863 511 * PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506	*						22,898	520
* PROS Holdings Inc. 29,631 1,149 Simulations Plus Inc. 11,396 510 * Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506	*				*			
* Agilysys Inc. 13,340 1,132 * Cerence Inc. 25,730 506	*			,				
* Verint Systems Inc. 41,439 1,120 * Couchbase Inc. 22,102 498	*	Agilysys Inc.	13,340		*		25,730	
	*	Verint Systems Inc.	41,439	1,120	*	Couchbase Inc.	22,102	498

SolerWinds Corp. 39,005 487 SkyWater Technology 16,892 163 163 163 164				Market				Market
SolarWinds Corp.			01				01	
NewMartic Inc. Class A 23,783 469							Shares	(\$000)
Kimball Electronics Inc. 1220	*				*		10.000	100
Aehr Test Systems	*				*			
Diebold Nixdorf Inc.	*				*			
PC Connection Inc. 6,834 459	*				*			
Klaviyo Inc. Class A					*			
Digital Turbine Inc. 63,745 437 Immersion Corp. 18,110 128	*				*			
Color Class A 75,881 434 SigBearai Holdings Inc. 25,803 124	*							
 Vext Inc. Vext Inc. Next Inc. 1. Sept Inc.	*				*			
Digimarc Corp. 11,148 403	*	Eventbrite Inc. Class A	51,607	431	*			123
SmartRent Inc. 122,927 392 ReposTrak Inc. 12,1115 121	*	Yext Inc.	69,021	407		Backblaze Inc. Class A	16,181	123
BigCommerce Holdings Inc. Series 40,078 390 NextNav Inc. 27,071 120	*	Digimarc Corp.	11,148	403		Asure Software Inc.	12,707	121
The Communication Communic	*		122,927	392	1			
Blend Labs Inc. Class A	*				*			
Number Color Col					*			
Hackett Group Inc.								
Miltek Systems Inc. 29,293 382 Identity Inc. 13,996 115 Alpha & Omega * Kopin Corp. 54,575 111 Semiconductor Ltd. 14,574 380 Astronova Inc. 6,757 110 SEMrush Holdings Inc. 27,777 379 Atteris Inc. 17,864 105 NerdWallet Inc. Class A 25,256 372 Atomera Inc. 14,264 100 Virid Seats Inc. Class A 25,256 372 Atomera Inc. 14,264 100 Virid Seats Inc. Class A 55,299 350 Inc. 48,958 98 Fleatyl Images Holdings Inc. 66,161 347 Innovid Corp. 58,925 88 Ferawulf Inc. 137,764 331 inTEST Corp. 6,184 84 SoundHound All Inc. 14,137 321 Intervace Inc. 18,754 81 Class A 153,965 326 Ltd. 18,754 81 Definitive Healthcare Upland Software Inc. 18,754 81 Inc.<					*			
Miles de Omega	*				*			
Semiconductor Ltd.	*		29,293	302	*			
* SEMrush Holdings Inc. Class A 27,777 379 * Arteris Inc. 17,864 105 NerdWallet Inc. Class A 25,256 372 * Atomera Inc. 14,264 100 * Vimeo Inc. 90,615 355 * Rackspace Technology Inc. 48,958 98 Inc. 49,958 99 Inc. 49,9			14 574	380	*			
Class A 27,777 379 Arteris Inc. 17,864 105	*		14,574	300	*			
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* Vimeo Inc. 90,615 355	*				*			
* Vivid Seats Inc. Class A 55,299 350 Inc. 48,958 98 * Teraty Images Holdings Inc. 66,161 347 Innovid Corp. 58,925 88 * Terawulf Inc. 137,764 331 inTEST Corp. 6,184 84 * Sound Hound Al Inc. 153,965 326 Ltd. 6,173 82 * CEVA Inc. 14,137 321 Intevac Inc. 18,754 81 * Definitive Healthcare Corp. 32,037 318 FiscalNote Holdings Inc. 65,268 314 Inc. 70,169 80 * Thoughtworks Holding Inc. 65,268 314 Inc. 84,034 73 * Consensus Cloud Solutions Inc. 114,050 303 ZeroFox Holdings Inc. 84,034 73 * Consensus Cloud Solutions Inc. 11,299 296 AXT Inc. 28,066 67 * Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 * Weave Communications Inc. 24,049 258 Aeva Technologies Inc. 76,978 58 * NVE Corp. 3,259 256 Secure Works Corp. 2,964 54 * Unisys Corp. 44,617 251 Core Card Corp. 3,812 53 * Through Inc. 12,833 247 Inc. 7,051 49 * Meridian Link Inc. 9,936 246 Vroom Inc. 74,354 45 * True Car Inc. 62,905 218 Pixel Morth Inc. 15,882 42 * Rumble Inc. 47,289 212 Key Troin Corp. 8,842 38 * ON24 Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * Core Group Inc. Class A 14,853 215 GSI Technology Inc. 15,882 42 * Humble Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * Corport Group Inc. 18,864 36 * Porch Group Inc. 18,837 33 * ON24 Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * Corport Group Inc. 18,837 33 * Outlong Inc. 11,891 165 * Vivience Inc. 20,997 35 * Outlong Inc. 24,049 250 210 * Domothic Class A 14,853 215 GSI Technology Inc. 16,725 37 * ON24 Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * True Ord Inc. Class A 14,863 215 GSI Technology Inc. 20,3511 37 * Core Cord Group Inc. 20,3511 37 * On24 Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * On24 Inc. 24,180 167 Outlothologies Inc. 20,957 35 * Outlothologies Inc. 24,180 167 Outlothologies Inc. 24,081 33 * Outlothologies Inc. 24,180 167 Outlothologies Inc. 24,081 33 * Outlothologies Inc. 24,081 33 * Outlothologies Inc. 34,664 36 * On24 Inc. 23,181 183 Nutex Health Inc. 20,3511 37 * Outlothologies Inc. 24,180 167 Outlothologies Inc. 24,081 33 * Outlothologies Inc. 24,180 167 Outlothologies	*				*		,20 .	.00
Transphorm Inc. 24,701 90	*	Vivid Seats Inc. Class A					48,958	98
* Terawulf Inc. 137,764 331 * inTEST Corp. 6,184 84 SoundHound Al Inc. Class A 153,965 326 Ltd. 6,173 82 Ltd. 6,173 82 CEVA Inc. 14,137 321 Intevac Inc. 18,754 81 Definitive Healthcare Corp. 32,037 318 FiscalNote Holdings Inc. 70,169 80 Inc. 70,169 80 Inc. 114,050 303 ZeroFox Holdings Inc. 84,034 73 Consensus Cloud Expensify Inc. Class A 28,100 69 Solutions Inc. 11,299 296 AXT Inc. 28,066 67 Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 Weave Communications Inc. 23,557 270 Class A 8,483 58 Aeva Technologies Inc. Class A 8,483 58 NVE Corp. 3,259 256 SecureWorks Corp. Daktronics Inc. 29,724 252 Class A 7,362 54 Unisys Corp. 44,617 251 CoreCard Corp. 3,812 53 American Software Inc. Class A 21,893 247 Inc. 7,051 49 MeridianLink Inc. 9,936 246 Vroom Inc. 74,354 45 TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 Bandwidth Inc. Class A 19,848 193 System Inc. Class A 23,251 37 Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 Dorok Corp. 18,842 38 Domo Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 Dorok Corp. 53,313 Nutex Health Inc. 20,977 35 LivePerson Inc. 44,180 167 QuickLogic Corp. 11,891 165 Verifore Inc. 18,337 33	*,1	Getty Images Holdings	·		*	Transphorm Inc.	24,701	90
**SoundHound Al Inc. Class A 153,965 326 Ltd. 6,173 82 **CEVA Inc. 14,137 321 Intevac Inc. 18,754 81 **Definitive Healthcare Corp. 32,037 318 FiscalNote Holdings Inc. 70,169 80 **Planet Labs PBC 127,335 315 Inc. 70,169 80 **Thoughtworks Holding Inc. 66,268 314 Inc. 8,435 76 **Indicovision Inc. 114,050 303 ZeroFox Holdings Inc. 84,034 73 **Consensus Cloud Expensify Inc. Class A 28,100 69 **Solutions Inc. 11,299 296 AXT Inc. 28,066 67 **Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 **Weave Viant Technology Inc. Class A 8,483 58 **OneSpan Inc. 24,049 258 Aeva Technology Inc. 76,978 58 **NVE Corp. 3,259 256 SecureWorks Corp. **Daktronics Inc. 29,724 252 Class A 7,362 54 **EverQuote Inc. Class A 20,482 251 Issuer Direct Corp. 2,964 54 **Unitys Corp. 44,617 251 CoreCard Corp. 3,812 53 **American Software Inc. Class A 14,853 215 CoreCard Corp. 3,812 53 **MeridianLink Inc. 9,936 246 Vroom Inc. 74,354 45 **TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 **Bandwidth Inc. Class A 19,848 193 System Inc. 16,725 37 **ON24 Inc. 23,811 183 Nutex Health Inc. 203,511 37 **Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 **Porch Group Inc. 55,645 171 comScore Inc. 2,097 35 **LivePerson Inc. 44,180 167 Quantum Corp. 98,136 34 **Unicov Inc. 14,891 165 **I Veritone Inc. 18,337 33		Inc.	66,161	347	*	Innovid Corp.	58,925	88
Class A 153,965 326	*		137,764	331	*	inTEST Corp.	6,184	84
CEVA Inc. 14,137 321 Intevac Inc. 18,754 81 Definitive Healthcare Upland Software Inc. 19,213 81 Corp. 32,037 318 FiscalNote Holdings Inc. 19,213 81 Planet Labs PBC 127,335 315 Inc. 70,169 80 Thoughtworks Holding Inc. 65,268 314 Inc. 8,435 76 **I MicroVision Inc. 114,050 303 ZeroFox Holdings Inc. 84,034 73 **Consensus Cloud Expensify Inc. Class A 28,100 69 Solutions Inc. 11,299 296 AXT Inc. 28,066 67 Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 Weave Viant Technology Inc. Valvatine Inc. 28,066 67 NVE Corp. 3,259 256 SecureWorks Corp. 76,978 58 NVE Corp. 3,259 256 SecureWorks Corp. 2,964 54 EverQuote Inc. Class A 20,48	*							
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Corp. 32,037 318 FiscalNote Holdings Inc. 70,169 80 * Thoughtworks Holding Inc. 65,268 314 Inc. 70,169 80 **Inc. 65,268 314 Inc. 8,435 76 **Inc. 65,268 314 Inc. 84,034 73 **Consensus Cloud Expensify Inc. Class A 28,100 69 **Solutions Inc. 11,299 296 AXT Inc. 28,066 67 **Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 **Weave Viant Technology Inc. 25,456 66 66 **Weave Class A 8,483 58 **OneSpan Inc. 24,049 258 Aeva Technologies Inc. 76,978 58 **NVE Corp. 3,259 256 SecureWorks Corp. 2,964 54 **Unisys Corp. 44,617 251 Issuer Direct Corp. 2,964 54 **Unisys Corp. 44,617 251 CoreCard Corp. <td></td> <td></td> <td>14,137</td> <td>321</td> <td>*</td> <td></td> <td></td> <td></td>			14,137	321	*			
Planet Labs PBC 127,335** 315** Inc. 70,169** 80 **Thoughtworks Holding Inc. 65,268** 314** Inc. 8,435** 76 **Inc. 65,268** 314** Inc. 84,034** 73 **Consensus Cloud Expensify Inc. Class A 28,100** 69 **Solutions Inc. 11,299** 296** AXT Inc. 28,066** 67 **Applied Digital Corp. 40,294** 272** Brightcove Inc. 25,456** 66 **Weave Viant Technology Inc. 25,456** 66 **Weave Viant Technology Inc. 76,978** 58 **OneSpan Inc. 24,049** 258** Aeva Technologies Inc. 76,978** 58 **NVE Corp. 3,259** 256** SecureWorks Corp. 2,964** 54 **Unisys Corp. 44,617** 251** CoreCard Corp. 2,964** 54 **Unisys Corp. 44,617** 251** CoreCard Corp. 3,812** 53 **American Software Inc. Class A 21,893** 247** Inc. 7,051** 49 **MeridianLink Inc. 9,936** 246** Vroom Inc. 74,354** 45 **TrueCar Inc. 62,905** 218** Pixelworks Inc. 32,680** 43 **Bandwidth Inc. Class A 14,853** 215** GSI Technology Inc. 15,882** 42 **Inumble Inc. 47,289** 212** Key Tronic Corp. 8,842** 38 **Domo Inc. Class A 19,848** 193** System1 Inc. 38,252** 37 **ON24 Inc. 23,181** 183** Nutex Health Inc. 203,511** 37 **Tucows Inc. Class A 6,570** 177** Inuvo Inc. 84,564** 36 **Porch Group Inc. 55,645** 171** comScore Inc. 2,097** 35 **LivePerson Inc. 44,180** 167** Quantum Corp. 98,136** 34 **UnickLogic Corp. 11,891** 165*** Veritone Inc. 18,337** 33	*		00 007	040			19,213	81
Thoughtworks Holding Inc.	*						70.160	00
Inc.	*		127,335	315	*		70,169	80
**I MicroVision Inc. 114,050 303 * ZeroFox Holdings Inc. 84,034 73 ** Consensus Cloud			65 268	31/			8 435	76
** Consensus Cloud Solutions Inc. 11,299 296 ** AXT Inc. 28,066 67 ** Applied Digital Corp. 40,294 272 Brightcove Inc. 25,456 66 ** Weave Viant Technology Inc. Class A 8,483 58 ** OneSpan Inc. 24,049 258 Aeva Technologies Inc. 76,978 58 NVE Corp. 3,259 256 SecureWorks Corp. ** Daktronics Inc. 29,724 252 Class A 7,362 54 ** Unisys Corp. 44,617 251 Susuer Direct Corp. 2,964 54 ** Unisys Corp. 44,617 251 CoreCard Corp. 3,812 53 ** MeridianLink Inc. 9,936 247 Inc. 7,051 49 ** MeridianLink Inc. 62,905 218 Pixelworks Inc. 32,680 43 ** Bandwidth Inc. Class A 14,853 215 GSI Technology Inc. 15,882 42 ** Rumble Inc. 47,289 212 Key Tronic Corp. 8,842 38 ** Domo Inc. Class A 19,848 193 System Inc. 16,725 37 ** ON24 Inc. 23,181 183 Nutex Health Inc. 203,511 37 ** Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 ** Porch Group Inc. 55,645 171 comScore Inc. 2,097 35 ** UnickLogic Corp. 11,891 165 **1 Veritone Inc. 18,337 33	*,1				*			
Solutions Inc. 11,299 296 * AXT Inc. 28,066 67 Applied Digital Corp. 40,294 272 * Brightcove Inc. 25,456 66 Weave	*		111,000	000	*			
* Applied Digital Corp. 40,294 272 * Brightcove Inc. 25,456 66 * Weave * Viant Technology Inc. 25,456 66 Communications Inc. 23,557 270 Class A 8,483 58 OneSpan Inc. 24,049 258 * Aeva Technologies Inc. 76,978 58 NVE Corp. 3,259 256 SecureWorks Corp. 58 Daktronics Inc. 29,724 252 Class A 7,362 54 EverQuote Inc. Class A 20,482 251 * Issuer Direct Corp. 2,964 54 Unisys Corp. 44,617 251 * CoreCard Corp. 3,812 53 American Software Inc. * TransAct Technologies Inc. 7,051 49 MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 TrueCar Inc. 62,905 218 * Pixelworks Inc. 32,680 43 Bandwidth Inc. Class A 14,853 215 GSI Technology Inc. 15,882 42 <th< td=""><td></td><td></td><td>11.299</td><td>296</td><td>*</td><td></td><td></td><td></td></th<>			11.299	296	*			
* Weave Viant Technology Inc. Communications Inc. 23,557 270 Class A 8,483 58 OneSpan Inc. 24,049 258 Aeva Technologies Inc. 76,978 58 NVE Corp. 3,259 256 SecureWorks Corp. 58 Daktronics Inc. 29,724 252 Class A 7,362 54 EverQuote Inc. Class A 20,482 251 Issuer Direct Corp. 2,964 54 Unisys Corp. 44,617 251 CoreCard Corp. 3,812 53 American Software Inc. TransAct Technologies 1nc. 7,051 49 MeridianLink Inc. 9,936 246 Vroom Inc. 74,354 45 TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 Bandwidth Inc. Class A 14,853 215 GSI Technology Inc. 15,882 42 1 Rumble Inc. 47,289 212 Key Tronic Corp. 8,842 38 Enfusion Inc. Class A 19,848 193 <td>*</td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td></td>	*				*			
* OneSpan Inc. 24,049 258 * Aeva Technologies Inc. 76,978 NVE Corp. 3,259 256 * SecureWorks Corp. * Daktronics Inc. 29,724 252 Class A 7,362 54 EverQuote Inc. Class A 20,482 251 Issuer Direct Corp. 2,964 54 Unisys Corp. 44,617 251 CoreCard Corp. 3,812 53 American Software Inc. 10,000 10,	*				*	Viant Technology Inc.		
NVE Corp. 3,259 256 * SecureWorks Corp. * Daktronics Inc. 29,724 252 Class A 7,362 54 * EverQuote Inc. Class A 20,482 251 * Issuer Direct Corp. 2,964 54 * Unisys Corp. American Software Inc. 21,893 247 * CoreCard Corp. 3,812 53 * MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 * TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 * Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 * Inc. 47,289 212 * Key Tronic Corp. 8,842 38 * Domo Inc. Class B 19,163 197 Rigetti Computing Inc. 38,252 38 * Enfusion Inc. Class A 19,848 193 System1 Inc. 16,725 37 ON24 Inc. 23,181 183 Nutex Health Inc. 203,511 37 * Porch Group Inc. 55,645 171 * comScore Inc.		Communications Inc.	23,557	270		Class A	8,483	58
**Daktronics Inc. 29,724 252 Class A 7,362 54 **EverQuote Inc. Class A 20,482 251 * Issuer Direct Corp. 2,964 54 **Unisys Corp. 44,617 251 * CoreCard Corp. 3,812 53 American Software Inc. TransAct Technologies Class A 21,893 247 Inc. 7,051 49 **MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 **TrueCar Inc. 62,905 218 * Pixelworks Inc. 32,680 43 **Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 **I Rumble Inc. 47,289 212 * Key Tronic Corp. 8,842 38 **Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 **Enfusion Inc. Class A 19,848 193 System1 Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 **Tucows Inc. Class A 6,570 177 * Inuvo Inc. 84,564 36 **Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 **LivePerson Inc. 44,180 167 * Quantum Corp. 98,136 34 **QuickLogic Corp. 11,891 165 **1 Veritone Inc. 18,337 33	*			258	*		76,978	58
EverQuote Inc. Class A 20,482 251 Issuer Direct Corp. 2,964 54 Unisys Corp. 44,617 251 CoreCard Corp. 3,812 53 American Software Inc. TransAct Technologies 7,051 49 MeridianLink Inc. 9,936 246 Vroom Inc. 74,354 45 TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 Bandwidth Inc. Class A 14,853 215 GSI Technology Inc. 15,882 42 *Inc. 47,289 212 Key Tronic Corp. 8,842 38 *Domo Inc. Class B 19,163 197 Rigetti Computing Inc. 38,252 38 *Enfusion Inc. Class A 19,848 193 System¹ Inc. 16,725 37 ON24 Inc. 23,181 183 Nutex Health Inc. 203,511 37 *Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 *Porch Group Inc. 55,645 171 comScore Inc. 2,097 <td< td=""><td></td><td></td><td></td><td></td><td>*</td><td></td><td></td><td></td></td<>					*			
* Unisys Corp. 44,617 251 * CoreCard Corp. 3,812 53 American Software Inc.	*				_			
American Software Inc. * TransAct Technologies Class A 21,893 247 Inc. 7,051 49 * MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 * TrueCar Inc. 62,905 218 Pixelworks Inc. 32,680 43 * Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 ** Rumble Inc. 47,289 212 * Key Tronic Corp. 8,842 38 ** Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 ** Enfusion Inc. Class A 19,848 193 * System Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 ** Tucows Inc. Class A 6,570 177 * Inuvo Inc. 84,564 36 ** Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 ** LivePerson Inc. 44,180 167 * QuaickLogic Corp. 18,337 33 </td <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td></td>					*			
Class A 21,893 247 Inc. 7,051 49 * MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 * TrueCar Inc. 62,905 218 * Pixelworks Inc. 32,680 43 * Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 **I Rumble Inc. 47,289 212 * Key Tronic Corp. 8,842 38 * Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 * Enfusion Inc. Class A 19,848 193 * System1 Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 * Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 * Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 * LivePerson Inc. 44,180 167 * Quantum Corp. 98,136 34 * QuickLogic Corp. 11,891 165 * I Ver	*		44,617	251			3,812	53
* MeridianLink Inc. 9,936 246 * Vroom Inc. 74,354 45 * TrueCar Inc. 62,905 218 * Pixelworks Inc. 32,680 43 * Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 * Inc. 47,289 212 * Key Tronic Corp. 8,842 38 * Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 * Enfusion Inc. Class A 19,848 193 * System1 Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 * Tucows Inc. Class A 6,570 177 Inuvo Inc. 84,564 36 * Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 * LivePerson Inc. 44,180 167 Quantum Corp. 98,136 34 * QuickLogic Corp. 11,891 165 * Veritone Inc. 18,337 33			01 000	0.47		_	7051	40
* TrueCar Inc. 62,905 218 * Pixelworks Inc. 32,680 43 * Bandwidth Inc. Class A 14,853 215 * GSI Technology Inc. 15,882 42 * Inc. 47,289 212 * Key Tronic Corp. 8,842 38 * Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 * Enfusion Inc. Class A 19,848 193 * System Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 * Tucows Inc. Class A 6,570 177 * Inuvo Inc. 84,564 36 * Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 * LivePerson Inc. 44,180 167 * Quantum Corp. 98,136 34 * QuickLogic Corp. 11,891 165 * Veritone Inc. 18,337 33	*				*			
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**1 Rumble Inc. 47,289 212 * Key Tronic Corp. 8,842 38 * Domo Inc. Class B 19,163 197 * Rigetti Computing Inc. 38,252 38 * Enfusion Inc. Class A 19,848 193 * System1 Inc. 16,725 37 ON24 Inc. 23,181 183 * Nutex Health Inc. 203,511 37 * Tucows Inc. Class A 6,570 177 * Inuvo Inc. 84,564 36 * Porch Group Inc. 55,645 171 * comScore Inc. 2,097 35 * LivePerson Inc. 44,180 167 * Quantum Corp. 98,136 34 * QuickLogic Corp. 11,891 165 * 1 Veritone Inc. 18,337 33	*				*			
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* LivePerson Inc. 44,180 167 * Quantum Corp. 98,136 34 * QuickLogic Corp. 11,891 165 * 1 Veritone Inc. 18,337 33	*				*			
	*				*	Quantum Corp.		
* Red Violet Inc. 8,230 164 * CVD Equipment Corp. 7,295 32	*			165	*,1		18,337	33
	*	Red Violet Inc.	8,230	164	*	CVD Equipment Corp.	7,295	32

		-	Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Mastech Digital Inc.	3,641	31	*	ViaSat Inc.	73,261	2,048
*	Edgio Inc.	88,134	30		InterDigital Inc.	17,023	1,848
*	WM Technology Inc.	41,877	30		Cable One Inc.	2,983	1,660
*	Synchronoss			*	Calix Inc.	36,565	1,597
* 4	Technologies Inc.	4,887	30	*	Viavi Solutions Inc.	151,996	1,531
*,1	Skillz Inc.	4,688	29		Extreme Networks Inc.	82,080	1,448
*	AudioEye Inc.	5,086	28		Telephone and Data	60.067	1 205
*	Intellicheck Inc.	14,706	28	*	Systems Inc.	68,967	1,265
*	One Stop Systems Inc. Amtech Systems Inc.	11,905	25 24		Lumen Technologies	602 760	1 251
*	Data I/O Corp.	5,730	24 24	*	Inc. DISH Network Corp.	683,760	1,251
*	Zedge Inc. Class B	8,084 10,242	24		Class A	168,000	969
*	WidePoint Corp.	10,242	23	*	Harmonic Inc.	73,856	963
*	NetSol Technologies	10,057	23	*	Globalstar Inc.	478,232	928
	Inc.	9,164	20	*	Liberty Broadband	470,232	320
*	Arena Group Holdings	3,10-	20		Corp. Class A	8,405	678
	Inc.	8,236	20		Shenandoah	0,400	070
	VirnetX Holding Corp.	2,409	17		Telecommunications		
*	KORE Group Holdings	2,.00	**		Co.	30,986	670
	Inc.	15,866	16	*	fuboTV Inc.	202,175	643
*	Presto Automation Inc.	29,255	16	*	Digi International Inc.	24,294	632
*	EMCORE Corp.	30,051	15	*	Infinera Corp.	124,753	593
*	BuzzFeed Inc.	58,794	15	*	IDT Corp. Class B	13,778	470
*	Glimpse Group Inc.	11,947	14	*	Altice USA Inc. Class A	143,163	465
*	KULR Technology Group	,-		*	Gogo Inc.	43,651	442
	Inc.	52,190	10	*	Applied Optoelectronics		
*	Alpine 4 Holdings Inc.	12,716	9		Inc.	22,846	441
*	authID Inc.	729	7	*,1	Lightwave Logic Inc.	81,349	405
*	Smith Micro Software			*	EchoStar Corp. Class A	24,087	399
	Inc.	7,556	6		Bel Fuse Inc. Class B	5,951	397
*	Boxlight Corp. Class A	5,534	6	*	CommScope Holding		
*	Maplebear Inc.	195	5		Co. Inc.	136,290	384
*	Streamline Health				ATN International Inc.	8,389	327
	Solutions Inc.	7,248	3		Adtran Holdings Inc.	44,499	327
		=	9,653,347	*	United States Cellular		
Tele	ecommunications (2.0%))	-,,		Corp.	7,473	310
	Cisco Systems Inc.	2,451,520	123,851	*	8x8 Inc.	78,246	296
	Comcast Corp. Class A		117,961	*	Xperi Inc.	26,568	293
	Verizon		•	*,1	AST SpaceMobile Inc.	47,259	285
	Communications Inc.	2,538,703	95,709		NETGEAR Inc.	18,985	277
	AT&T Inc.	4,787,759	80,339	_	Aviat Networks Inc.	8,225	269
	T-Mobile US Inc.	348,852	55,931	*	Anterix Inc.	7,780	259
*	Arista Networks Inc.	166,899	39,306	*	Clearfield Inc.	8,514	248
	Motorola Solutions Inc.	111,135	34,795		Consolidated Communications		
*	Charter					EE E40	242
	Communications Inc.				Holdings Inc. Spok Holdings Inc.	55,540	242 189
	Class A	64,492	25,067		Comtech	12,210	109
*	Roku Inc.	83,986	7,698		Telecommunications		
*	Liberty Broadband				Corp.	19,010	160
	Corp. Class C	82,891	6,680	*	Ooma Inc.	14,333	154
	Juniper Networks Inc.	213,569	6,296	*	WideOpenWest Inc.	37,199	151
*	Ciena Corp.	98,840	4,449	*	Ribbon	07,100	101
-	Frontier				Communications Inc.	46,419	135
	Communications	105.074	4 000	*	Kaltura Inc.	57,548	112
	Parent Inc.	165,871	4,203	*	Lantronix Inc.	18,653	109
	Iridium	74 747	0.077		Bel Fuse Inc. Class A	1,376	88
*	Communications Inc.	74,747	3,077	*	Powerfleet Inc. NJ	23,451	80
	Lumentum Holdings	4E 640	2 202	*	KVH Industries Inc.	13,892	73
	Inc.	45,648	2,393	*	Genasys Inc.	27,518	56
	Cogent Communications			*	Cambium Networks	-	
	Holdings Inc.	30,169	2,295		Corp.	7,849	47
	i loluli iga IIIC.	30,109	۷,۷۶۵		•		

			Market Value•				Market Value•
		Shares	(\$000)			Shares	(\$000)
*	Airgain Inc.	10,184	36	*	Casella Waste Systems		
	Network-1 Technologies				Inc. Class A	38,741	3,311
	Inc.	15,271	33	*	Stericycle Inc.	61,897	3,068
*	Akoustis Technologies				National Fuel Gas Co.	61,023	3,062
	Inc.	37,107	31		New Jersey Resources		
*	DZS Inc.	12,668	25		Corp.	66,344	2,958
*	Inseego Corp.	62,650	14		Portland General		
*	Casa Systems Inc.	21,249	11		Electric Co.	65,808	2,852
	Charge Enterprises Inc.	66,536	8		Southwest Gas		0.004
_	CalAmp Corp.	20,762	5		Holdings Inc.	44,681	2,831
	Franklin Wireless Corp.	1,161	4	*	Sunrun Inc.	143,120	2,809
*,2	Vislink Technologies Inc.	1,108	4		Ormat Technologies Inc.	04.077	0.500
,2	GCI Liberty Inc.	82,371 _			(XNYS)	34,277 45,071	2,598
			636,835		Black Hills Corp. ALLETE Inc.	39,496	2,432 2,416
Uti	lities (2.6%)				PNM Resources Inc.	57,418	2,389
	NextEra Energy Inc.	1,357,448	82,451		ONE Gas Inc.	37,418	2,309
	Southern Co.	731,836	51,316		Spire Inc.	33,936	2,116
	Duke Energy Corp.	516,889	50,159		Northwestern Energy	30,330	2,110
	Waste Management				Group Inc.	40,449	2,058
	Inc.	270,095	48,374		American States Water	10, 110	2,000
	Sempra	421,446	31,495		Co.	25,186	2,025
	PG&E Corp.	1,705,316	30,747		California Water Service	20,.00	2,020
	American Electric	0.45 0.01	00.045		Group	37,450	1,943
	Power Co. Inc.	345,301	28,045		Avista Corp.	52,483	1.876
	Dominion Energy Inc. Waste Connections Inc.	561,793	26,404		MGE Energy Inc.	25,249	1,826
		172 702	25,793		Avangrid Inc.	52,523	1,702
	(XTSE) Constellation Energy	172,793	25,795		Chesapeake Utilities		
	Corp.	214,038	25,019		Corp.	14,550	1,537
	Exelon Corp.	665,326	23,885		SJW Group	19,725	1,289
	Xcel Energy Inc.	370,441	22,934		Clearway Energy Inc.		
	Republic Services Inc.	137,312	22,644		Class A	42,776	1,094
	Consolidated Edison	.0.,0.12	22,0		Clearway Energy Inc.		
	Inc.	232,549	21,155		Class C	38,877	1,066
	Public Service	,-	,	*	Sunnova Energy		
	Enterprise Group Inc.	334,148	20,433		International Inc.	66,404	1,013
	Edison International	256,233	18,318		Hawaiian Electric	71 011	1 010
	WEC Energy Group Inc.	211,419	17,795		Industries Inc.	71,311	1,012
	American Water Works				Northwest Natural	22.700	000
	Co. Inc.	130,751	17,258		Holding Co. Middlesex Water Co.	23,709	923 805
	Eversource Energy	235,566	14,539		Unitil Corp.	12,265 11,221	590
	Entergy Corp.	141,312	14,299	*	Enviri Corp.	56,173	506
	FirstEnergy Corp.	365,434	13,397		Genie Energy Ltd.	30,173	300
	PPL Corp.	492,603	13,350		Class B	14,713	414
	DTE Energy Co.	117,309	12,934		York Water Co.	8,757	338
	Ameren Corp.	176,535	12,771	*	Altus Power Inc.	44,129	301
	CenterPoint Energy Inc.	419,199	11,976		Excelerate Energy Inc.	11,120	001
	Atmos Energy Corp.	99,227	11,500		Class A	14,432	223
	CMS Energy Corp.	193,903	11,260		Artesian Resources	, .02	220
	Vistra Corp.	239,182	9,213		Corp. Class A	5,284	219
	AES Corp.	451,374	8,689	*	Pure Cycle Corp.	15,027	157
	Alliant Energy Corp. Evergy Inc.	167,025 155,405	8,568 8,112	*	Vertex Energy Inc.	46,411	157
	NiSource Inc.	296,970	7,885		Aris Water Solutions		
	NRG Energy Inc.	149,127	7,710		Inc. Class A	15,958	134
	Essential Utilities Inc.	165,592	6,185	*	Quest Resource		
*	Clean Harbors Inc.	32,519	5,675		Holding Corp.	15,848	116
	Pinnacle West Capital	,0.0	2,0.0		RGC Resources Inc.	5,695	116
	Corp.	76,481	5,494		Global Water Resources	0.547	
	OGE Energy Corp.	132,969	4,645	*	Inc.	8,514	111
	UGI Corp.	142,058	3,495	*,1	Cadiz Inc.	37,685	106
	IDACORP Inc.	34,010	3,344	, '	NuScale Power Corp.	30,475	100

		Shares	Market Value• (\$000)		
*	Net Power Inc.	8,917	90		
*	Perma-Fix				
	Environmental				
_	Services Inc.	9,152	72		
*	Aqua Metals Inc. Advanced Emissions	93,458	71		
	Solutions Inc.	16,504	49		
	Via Renewables Inc.	1.933	18		
	via richovablee inc.	1,000	818,537		
_			010,337		
	Total Common Stocks (Cost \$11,269,323) 31,077,649				
Rig	hts (0.0%)				
*,1	Groupon Inc. Exp. 1/17/24				
	(Cost \$-)	10,751	4		
Wa	rrants (0.0%)				
* *.2	Geron Corp. Exp. 12/31/25 Cassava Sciences Inc.	73,748	30		
,2	11/15/24	10,495	50		
*	Hycroft Mining Holding Corp. Exp. 10/6/25	20,000	1		
Tot	al Warrants (Cost \$—)		81		
Pre	ferred Stock (0.0%)				
	Air T Funding Preference Shares 8.000%, 6/7/49				
	(Cost \$2)	91	1		
_	·				

	Shares	Market Value• (\$000)
Temporary Cash Investme	nts (0.5%)	
Money Market Fund (0.5% 4.5 Vanguard Market Liquidity Fund, 5.435% (Cost \$165,032)	1,650,727	165,040
Total Investments (100.0%) (Cost \$11,434,357))	31,242,775
Other Assets and Liabilities—Net (0.0%)		(11,597)
Net Assets (100%)		31,231,178

Cost is in \$000.

- See Note A in Notes to Financial Statements.
- * Non-income-producing security.
- 1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$26,456,000.
- 2 Security value determined using significant unobservable inputs.
- 3 "Other" represents securities that are not classified by the fund's benchmark index.
- 4 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
- 5 Collateral of \$30,390,000 was received for securities on loan. CVR—Contingent Value Rights.
 - REIT—Real Estate Investment Trust.

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini Russell 2000 Index	March 2024	15	1,536	109
E-mini S&P 500 Index	March 2024	592	142,672	2,974
E-mini S&P Mid-Cap 400 Index	March 2024	30	8,429	446
				3,529

Statement of Assets and Liabilities

As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value ¹	
Unaffiliated Issuers (Cost \$11,269,325)	31,077,735
Affiliated Issuers (Cost \$165,032)	165,040
Total Investments in Securities	31,242,775
Investment in Vanguard	983
Cash	1,472
Cash Collateral Pledged—Futures Contracts	8,268
Receivables for Investment Securities Sold	247
Receivables for Accrued Income	29,869
Receivables for Capital Shares Issued	36,039
Total Assets	31,319,653
Liabilities	
Payables for Investment Securities Purchased	52,733
Collateral for Securities on Loan	30,390
Payables for Capital Shares Redeemed	4,567
Payables to Vanguard	277
Variation Margin Payable—Futures Contracts	508
Total Liabilities	88,475
Net Assets	31,231,178
1 Includes \$26,456,000 of securities on loan.	
At December 31, 2023, net assets consisted of:	
Paid-in Capital	11,438,288
Total Distributable Earnings (Loss)	19,792,890
Net Assets	31,231,178
Institutional Shares—Net Assets	
Applicable to 16,393,963 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	1,350,344
Net Asset Value Per Share—Institutional Shares	\$82.37
Institutional Plus Shares—Net Assets	
Applicable to 362,869,364 outstanding \$.001 par value shares of	29,880,834
beneficial interest (unlimited authorization)	23,000,034

Statement of Operations

Year Ended December 31, 2023

	(\$000)
Investment Income	
Income	
Dividends ¹	446,127
Interest ²	4,881
Securities Lending—Net	5,963
Total Income	456,971
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	574
Management and Administrative—Institutional Shares	242
Management and Administrative—Institutional Plus Shares	3,726
Marketing and Distribution—Institutional Shares	46
Marketing and Distribution—Institutional Plus Shares	753
Custodian Fees	234
Auditing Fees	32
Shareholders' Reports—Institutional Shares	6
Shareholders' Reports—Institutional Plus Shares	108
Trustees' Fees and Expenses	17
Other Expenses	39
Total Expenses	5,777
Expenses Paid Indirectly	(33)
Net Expenses	5,744
Net Investment Income	451,227
Realized Net Gain (Loss)	
Investment Securities Sold ²	274,852
Futures Contracts	14,946
Realized Net Gain (Loss)	289,798
Change in Unrealized Appreciation (Depreciation)	
Investment Securities ²	5,859,073
Futures Contracts	6,095
Change in Unrealized Appreciation (Depreciation)	5,865,168
Net Increase (Decrease) in Net Assets Resulting from Operations	6,606,193

¹ Dividends are net of foreign withholding taxes of \$38,000.

² Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$4,586,000, (\$1,000), \$1,000, and (\$17,000), respectively. Purchases and sales are for temporary cash investment purposes.

Statement of Changes in Net Assets

	Year Ended December 31,		
	2023 (\$000)	2022 (\$000)	
Increase (Decrease) in Net Assets			
Operations			
Net Investment Income	451,227	426,547	
Realized Net Gain (Loss)	289,798	2,985,578	
Change in Unrealized Appreciation (Depreciation)	5,865,168	(9,697,046)	
Net Increase (Decrease) in Net Assets Resulting from Operations	6,606,193	(6,284,921)	
Distributions			
Institutional Shares	(31,310)	(50,627)	
Institutional Plus Shares	(714,257)	(1,559,456)	
Total Distributions	(745,567)	(1,610,083)	
Capital Share Transactions			
Institutional Shares	185,022	376,487	
Institutional Plus Shares	(236,377)	(2,916,534)	
Net Increase (Decrease) from Capital Share Transactions	(51,355)	(2,540,047)	
Total Increase (Decrease)	5,809,271	(10,435,051)	
Net Assets			
Beginning of Period	25,421,907	35,856,958	
End of Period	31,231,178	25,421,907	

Financial Highlights

Institutional Shares

For a Share Outstanding	Year Ended December 31				ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$67.05	\$88.21	\$73.97	\$68.66	\$54.09
Investment Operations					
Net Investment Income ¹	1.204	1.131	1.086	1.171	1.182
Net Realized and Unrealized Gain (Loss) on Investments	16.099	(17.949)	17.890	12.690	15.381
Total from Investment Operations	17.303	(16.818)	18.976	13.861	16.563
Distributions					
Dividends from Net Investment Income	(1.209)	(1.143)	(1.100)	(1.325)	(1.245)
Distributions from Realized Capital Gains	(.774)	(3.199)	(3.636)	(2.541)	(.748)
Distributions from Return of Capital	_	_	_	(4.685)	_
Total Distributions	(1.983)	(4.342)	(4.736)	(8.551)	(1.993)
Net Asset Value, End of Period	\$82.37	\$67.05	\$88.21	\$73.97	\$68.66
Total Return	26.05%	-19.49%	25.75%	20.99%	30.86%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$1,350	\$907	\$757	\$682	\$722
Ratio of Total Expenses to Average Net Assets	0.03%2	0.03%2	0.03%	0.03%	0.03%
Ratio of Net Investment Income to Average Net Assets	1.61%	1.55%	1.30%	1.72%	1.87%
Portfolio Turnover Rate	8%	8%³	5%³	11%3	5%³

¹ Calculated based on average shares outstanding.

² The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.03%.

³ Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares.

Financial Highlights

Institutional Plus Shares

Year Ended December 31,				ember 31,
2023	2022	2021	2020	2019
\$67.03	\$88.19	\$73.96	\$68.66	\$54.09
1.192	1.132	1.095	1.143	1.182
16.109	(17.949)	17.877	12.715	15.387
17.301	(16.817)	18.972	13.858	16.569
(1.208)	(1.145)	(1.108)	(1.326)	(1.251)
(.773)	(3.198)	(3.634)	(2.543)	(.748)
_	_	_	(4.689)	_
(1.981)	(4.343)	(4.742)	(8.558)	(1.999)
\$82.35	\$67.03	\$88.19	\$73.96	\$68.66
26.05%	-19.49%	25.75%	20.99%	30.88%
\$29,881	\$24,515	\$35,100	\$32,088	\$40,637
0.02%2	0.02%2	0.02%	0.02%	0.02%
1.60%	1.54%	1.31%	1.69%	1.88%
8%	8%³	5%³	11%³	5%³
	\$67.03 1.192 16.109 17.301 (1.208) (.773) — (1.981) \$82.35 26.05% \$29,881 0.02% ² 1.60%	\$67.03 \$88.19 1.192 1.132 16.109 (17.949) 17.301 (16.817) (1.208) (1.145) (.773) (3.198) — — (1.981) (4.343) \$82.35 \$67.03 26.05% -19.49% \$29.881 \$24,515 0.02%² 0.02%² 1.60% 1.54%	2023 2022 2021 \$67.03 \$88.19 \$73.96 1.192 1.132 1.095 16.109 (17.949) 17.877 17.301 (16.817) 18.972 (1.208) (1.145) (1.108) (.773) (3.198) (3.634) — — — (1.981) (4.343) (4.742) \$82.35 \$67.03 \$88.19 26.05% -19.49% 25.75% \$29,881 \$24,515 \$35,100 0.02%² 0.02%² 0.02% 1.60% 1.54% 1.31%	2023 2022 2021 2020 \$67.03 \$88.19 \$73.96 \$68.66 1.192 1.132 1.095 1.143 16.109 (17.949) 17.877 12.715 17.301 (16.817) 18.972 13.858 (1.208) (1.145) (1.108) (1.326) (.773) (3.198) (3.634) (2.543) — — (4.689) (1.981) (4.343) (4.742) (8.558) \$82.35 \$67.03 \$88.19 \$73.96 26.05% -19.49% 25.75% 20.99% \$29,881 \$24,515 \$35,100 \$32,088 0.02%² 0.02%² 0.02% 0.02% 1.60% 1.54% 1.31% 1.69%

¹ Calculated based on average shares outstanding.

² The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.02%.

³ Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares.

Notes to Financial Statements

Vanguard Institutional Total Stock Market Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers two classes of shares: Institutional Shares and Institutional Plus Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors.

- **A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.
- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanquard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Federal Income Taxes: The fund intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

- 4. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes. The portion of distributions that exceed a fund's current and accumulated earnings and profits, as measured on a tax basis, constitute a non-taxable return of capital.
- 5. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.
- 6. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the

conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

7. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$983,000, representing less than 0.01% of the fund's net assets and 0.39% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

- C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$33,000 (an annual rate of less than 0.01% of average net assets).
- **D.** Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- **Level 2**—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- **Level 3**—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments				
Assets				
Common Stocks	31,077,378	_	271	31,077,649
Preferred Stock	1	_	_	1
Rights	_	4	_	4
Warrants	1	30	50	81
Temporary Cash Investments	165,040	_	_	165,040
Total	31,242,420	34	321	31,242,775
Derivative Financial Instruments				
Assets				
Futures Contracts ¹	3,529	_	_	3,529

¹ Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable distributions in connection with fund share redemptions were reclassified between the following accounts:

	Amount (\$000)
Paid-in Capital	6,374
Total Distributable Earnings (Loss)	(6,374)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; the recognition of unrealized gains from passive foreign investment companies; and the classification of securities for tax purposes. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	31,404
Undistributed Long-Term Gains	24,712
Net Unrealized Gains (Losses)	19,736,774
Capital Loss Carryforwards	_
Qualified Late-Year Losses	_
Other Temporary Differences	
Total	19,792,890

The tax character of distributions paid was as follows:

	Year Ended [Year Ended December 31,		
	2023 Amount (\$000)	2022 Amount (\$000)		
Ordinary Income*	505,822	435,146		
Long-Term Capital Gains	239,745	1,174,937		
Total	745,567	1,610,083		

^{*} Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	11,506,001
Gross Unrealized Appreciation	20,983,514
Gross Unrealized Depreciation	(1,246,740)
Net Unrealized Appreciation (Depreciation)	19,736,774

F. During the year ended December 31, 2023, the fund purchased \$2,114,680,000 of investment securities and sold \$2,413,147,000 of investment securities, other than temporary cash investments.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$102,095,000 and sales were \$51,616,000, resulting in net realized gain of \$6,277,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

G. Capital share transactions for each class of shares were:

			Year Ended De	cember 31,
		2023		2022
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)
Institutional Shares				
Issued	838,426	11,492	572,414	7,712
Issued in Lieu of Cash Distributions	25,740	333	38,427	519
Redeemed	(679,144)	(8,960)	(234,354)	(3,288)
Net Increase (Decrease)—Institutional Shares	185,022	2,865	376,487	4,943
Institutional Plus Shares				
Issued	2,140,743	29,092	4,441,096	58,784
Issued in Lieu of Cash Distributions	667,877	8,704	1,467,628	19,701
Redeemed	(3,044,997)	(40,645)	(8,825,258)	(110,768)
Net Increase (Decrease)—Institutional Plus Shares	(236,377)	(2,849)	(2,916,534)	(32,283)

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Institutional Index Funds and Shareholders of Vanguard Institutional Total Stock Market Index Fund

Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Vanguard Institutional Total Stock Market Index Fund (one of the funds constituting Vanguard Institutional Index Funds, referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinion

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

Tax information (unaudited)

For corporate shareholders, 77.2%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The fund hereby designates \$425,857,000, or if subsequently determined to be different, the maximum amount allowable by law, as qualified dividend income for individual shareholders for the fiscal year.

The fund hereby designates \$1,844,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

For nonresident alien shareholders, 100% of short-term capital gain dividends distributed by the fund for the fiscal year are qualified short-term capital gains.

The fund distributed \$244,669,000 as capital gain dividends (20% rate gain distributions) to shareholders during the fiscal year.

The fund hereby designates \$24,641,000, or if subsequently determined to be different, the maximum amount allowable by law, of qualified business income for individual shareholders for the fiscal year.

The CRSP US Total Market Index (the "Index") is a product of the Center for Research in Security Prices, LLC ("CRSP"), an affiliate of the University of Chicago ("University"), and has been licensed for use by Vanguard. CRSP® is a trademark of CRSP and has been licensed by CRSP for use for certain purposes by Vanquard. Vanquard Institutional Total Stock Market Index Fund is not sponsored, endorsed, sold or promoted by CRSP or the University. Neither CRSP nor the University makes any representation or warranty, express or implied, to the owners of Vanquard Institutional Total Stock Market Index Fund or any member of the public regarding the advisability of investing in securities generally or in Vanguard Institutional Total Stock Market Index Fund particularly or the ability of the Index to track general market performance. The Index is determined, composed and calculated without regard to Vanguard or Vanguard Institutional Total Stock Market Index Fund. Neither CRSP nor the University has any obligation to take the needs of Vanguard or the owners of Vanguard Institutional Total Stock Market Index Fund into consideration in determining, composing or calculating the Index. Neither CRSP nor the University is responsible for and has not participated in the determination of the prices and amount of Vanguard Institutional Total Stock Market Index Fund or the timing of the issuance or sale of Vanguard Institutional Total Stock Market Index Fund or in the determination or calculation of the equation by which Vanquard Institutional Total Stock Market Index Fund is to be converted into cash, surrendered or redeemed, as the case may be. Neither CRSP nor the University has any obligation or liability in connection with the administration, marketing or trading of Vanguard Institutional Total Stock Market Index Fund. There is no assurance that investment products based on the Index will accurately track index performance or provide positive investment returns. Neither CRSP nor the University is an investment advisor. Inclusion of a security within an index is not a recommendation by CRSP or the University to buy, sell, or hold such security, nor is it considered to be investment advice.

NEITHER CRSP NOR THE UNIVERSITY GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. NEITHER CRSP NOR THE UNIVERSITY SHALL BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. NEITHER CRSP NOR THE UNIVERSITY MAKES ANY EXPRESS OR IMPLIED WARRANTIES, AND CRSP AND THE UNIVERSITY EXPRESSLY DISCLAIM ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF THE VANGUARD INSTITUTIONAL TOTAL STOCK MARKET INDEX FUND, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL CRSP OR THE UNIVERSITY BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD-PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN CRSP AND VANGUARD, OTHER THAN THE LICENSORS, IF ANY, OF CRSP.

The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

Interested Trustee¹

Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer. president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013–2017), managing director (2002-2017), head of the Retail Investor Group (2006–2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

Independent Trustees

Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009–2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial

¹ Mr. Buckley is considered an "interested person," as defined in the Investment Company Act of 1940, because he is an officer of the Vanquard funds.

officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM (Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global

Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

Grant Reid

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

David Thomas

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

Executive Officers

Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September 2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

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