

PRIMECAP Odyssey Aggressive Growth Fund

Portfolio Holdings

September 30, 2018 (Unaudited)

Common Stock

Sectors	CUSIP	Description	Shares	Market Value
Health Care - 32.9%	002824100	ABBOTT LABORATORIES	1,503,300	\$ 110,282,088
	003654100	ABIOMED, INC.	1,273,873	572,924,382
	004397105	ACCURAY, INC.	1,653,000	7,438,500
	00773U108	ADVERUM BIOTECHNOLOGIES, INC.	697,648	4,220,770
	G01767105	ALKERMES PLC	6,214,822	263,757,046
	038791100	ARBUTUS BIOPHARMA CORP.	4,070,400	38,465,280
	040047607	ARENA PHARMACEUTICALS, INC.	333,400	15,343,068
	G0750W104	AXOVANT SCIENCES LTD.	825,000	1,996,500
	KYG1146Y1017	BEIGENE LTD. - HKG	1,476,800	19,751,411
	07725L102	BEIGENE LTD. - ADR	321,147	55,307,936
	09062X103	BIOGEN, INC.	284,500	100,516,695
	09061G101	BIOMARIN PHARMACEUTICAL, INC.	1,488,865	144,375,239
	101137107	BOSTON SCIENTIFIC CORP.	315,000	12,127,500
	157085101	CERUS CORP.	10,300,000	74,263,000
	159864107	CHARLES RIVER LABORATORIES INTERNATIONAL, INC.	17,000	2,287,180
	252366109	DEXTERA SURGICAL, INC.	530,650	15,628
	532457108	ELI LILLY & CO.	1,618,200	173,649,042
	29428V104	EPIZYME, INC.	5,769,384	61,155,470
	30063P105	EXACT SCIENCES CORP.	3,067,900	242,118,668
	33938A105	FLEX PHARMA, INC.	92,809	43,138
	34385P108	FLUIDIGM CORP.	3,898,932	29,203,001
	377322102	GLAUKOS CORP.	202,000	13,109,800
	452327109	ILLUMINA, INC.	13,000	4,771,780
	45253H101	IMMUNOGEN, INC.	325,000	3,077,750
	45784P101	INSULET CORP.	1,964,956	208,187,088
	60877T100	MOMENTA PHARMACEUTICALS, INC.	1,792,583	47,144,933
	640268108	NEKTAR THERAPEUTICS	11,491,676	700,532,569
	670704105	NUVASIVE, INC.	490,000	34,780,200
	68234X102	ONCOMED PHARMACEUTICALS, INC.	3,843,700	8,148,644
	68554V108	ORASURE TECHNOLOGIES, INC.	990,000	15,295,500
	70975L107	PENUMBRA, INC.	22,600	3,383,220
	717071104	PFENEX, INC.	3,141,400	16,052,554
	N72482123	QIAGEN N.V.	3,974,388	150,549,817
	CH0012032048	ROCHE HOLDING AG - CHF	307,600	74,517,934
	812578102	SEATTLE GENETICS, INC.	4,205,500	324,328,160
	84763A108	SPECTRUM PHARMACEUTICALS, INC.	10,500,000	176,400,000
	98401F105	XENCOR, INC.	5,095,582	198,574,830
				<u>3,908,096,321</u>

Information Technology - 27.7%

00724F101	ADOBE SYSTEMS, INC.	780,900	210,803,955
01609W102	ALIBABA GROUP HOLDING LTD. - ADR	1,017,700	167,676,252
02079K305	ALPHABET, INC. - CLASS A	84,970	102,565,588
02079K107	ALPHABET, INC. - CLASS C	87,336	104,232,896
040413106	ARISTA NETWORKS, INC.	1,500	398,790
04206A101	ARLO TECHNOLOGIES, INC.	762,200	11,059,522
N07059210	ASML HOLDING N.V.	100,000	18,802,000
05351X101	AVAYA HOLDINGS CORP.	12,500	276,750
054540208	AXCELIS TECHNOLOGIES, INC.	2,520,000	49,518,000
09228F103	BLACKBERRY LTD.	23,568,918	268,214,287
20564W105	COMSCORE, INC.	5,714,860	104,181,898
225223304	CRAY, INC.	295,000	6,342,500
225447101	CREE, INC.	1,835,300	69,502,811
24703L103	DELL TECHNOLOGIES INC. - CLASS V	370,000	35,934,400
25381B101	DIGIMARC CORP.	415,000	13,051,750
23355L106	DXC TECHNOLOGY CO.	43,000	4,021,360
278642103	EBAY, INC.	389,400	12,857,988
285512109	ELECTRONIC ARTS, INC.	125,000	15,061,250
28849P100	ELLIE MAE, INC.	2,052,700	194,534,379
311642102	FARO TECHNOLOGIES, INC.	1,418,934	91,308,403
Y2573F102	FLEX LTD.	9,176,900	120,400,928
346375108	FORMFACTOR, INC.	1,132,800	15,576,000
362393100	GTT COMMUNICATIONS, INC.	17,600	763,840
42824C109	HEWLETT PACKARD ENTERPRISE CO.	1,290,000	21,039,900
40434L105	HP, INC.	535,000	13,786,950
443573100	HUBSPOT, INC.	470,250	70,984,237
461202103	INTUIT, INC.	175,000	39,795,000
466313103	JABIL CIRCUIT, INC.	775,000	20,987,000
49338L103	KEYSIGHT TECHNOLOGIES, INC.	270,000	17,895,600
482480100	KLA-TENCOR CORP.	764,400	77,747,124
57667T100	MATERIALISE NV - ADR	628,600	8,674,680
57776J100	MAXLINEAR, INC. - CLASS A	2,462,000	48,944,560
594837304	MICRO FOCUS INTERNATIONAL PLC - ADR	389,400	7,196,112
595112103	MICRON TECHNOLOGY, INC.	6,670,000	301,684,100
60255W105	MINDBODY, INC. - CLASS A	368,077	14,962,330
64110D104	NETAPP, INC.	2,157,467	185,304,841
65487K100	NLIGHT, INC.	59,100	1,312,611
67020Y100	NUANCE COMMUNICATIONS, INC.	1,934,000	33,496,880
67059N108	NUTANIX, INC. - CLASS A	125,150	5,346,408
67066G104	NVIDIA CORP.	294,800	82,844,696
671044105	OSI SYSTEMS, INC.	250,000	19,077,500
715347100	PERSPECTA, INC.	20,616	530,243
74346Y103	PROS HOLDINGS, INC.	2,584,000	90,491,680
747525103	QUALCOMM, INC.	1,438,800	103,636,764
78112V102	RUBICON PROJECT, INC. (THE)	1,243,600	4,476,960
81763U100	SERVICESOURCE INTERNATIONAL, INC.	9,057,000	25,812,450
848637104	SPLUNK, INC.	2,138,200	258,529,762
M85548101	STRATASYS LTD.	2,318,500	53,580,535
896239100	TRIMBLE, INC.	823,000	35,767,580
91347P105	UNIVERSAL DISPLAY CORP.	711,300	83,862,270
928563402	VMWARE, INC. - CLASS A	325,000	50,719,500
958102105	WESTERN DIGITAL CORP.	64,000	3,746,560
			<u>3,299,320,380</u>

Consumer Discretionary - 15.2%

023135106	AMAZON.COM, INC.	100	200,300
04351G101	ASCENA RETAIL GROUP, INC.	2,248,000	10,273,360
099406100	BOOT BARN HOLDINGS, INC.	800,000	22,728,000
122017106	BURLINGTON STORES, INC.	8,100	1,319,652
13462K109	CAMPING WORLD HOLDINGS, INC. - CLASS A	77,800	1,658,696
143130102	CARMAX, INC.	1,642,900	122,675,343
163092109	CHEGG, INC.	7,799,800	221,748,314
CA2524061520	DHX MEDIA LTD. - CAD	10,282,100	14,806,415
293639100	ENTERCOM COMMUNICATIONS CORP. - CLASS A	37,900	299,410
33829M101	FIVE BELOW, INC.	7,300	949,438
375916103	GILDAN ACTIVEWEAR, INC.	265,000	8,063,950
40449J103	HABIT RESTAURANTS, INC. (THE) - CLASS A	96,000	1,531,200
45245E109	IMAX CORP.	3,333,700	86,009,460
462726100	IROBOT CORP.	1,320,200	145,116,384
535919401	LIONS GATE ENTERTAINMENT CORP. - CLASS A	1,848,186	45,077,257
535919500	LIONS GATE ENTERTAINMENT CORP. - CLASS B	2,802,500	65,298,250
64110L106	NETFLIX, INC.	7,200	2,693,736
G66721104	NORWEGIAN CRUISE LINE HOLDINGS LTD.	1,150,200	66,055,986
76131D103	RESTAURANT BRANDS INTERNATIONAL, INC.	20,200	1,197,456
77543R102	ROKU, INC.	3,500	255,605
V7780T103	ROYAL CARIBBEAN CRUISES LTD.	1,662,000	215,960,280
82568P304	SHUTTERFLY, INC.	2,739,700	180,518,833
835699307	SONY CORP. - ADR	7,390,000	448,203,500
88160R101	TESLA, INC.	264,490	70,029,017
896047503	TRIBUNE MEDIA CO. - CLASS A	1,034,500	39,755,835
89703P107	TRONC, INC.	1,031,501	16,844,411
899035505	TUESDAY MORNING CORP.	1,599,000	5,116,800
90384S303	ULTA BEAUTY, INC.	51,700	14,585,604
			<u>1,808,972,492</u>

Industrials - 13.3%

00766T100	AECOM	1,852,800	60,512,448
011659109	ALASKA AIR GROUP, INC.	774,000	53,297,640
01748X102	ALLEGIAN'T TRAVEL CO.	9,100	1,153,880
02376R102	AMERICAN AIRLINES GROUP, INC.	8,205,000	339,112,650
05464C101	AXON ENTERPRISE, INC.	417,000	28,535,310
17273K109	CIRCOR INTERNATIONAL, INC.	191,000	9,072,500
21240E105	CONTROLADORA VUELA COMPANIA DE AVIACION, S.A.B. DE C.V. - ADR	41,000	305,860
231561101	CURTISS-WRIGHT CORP.	217,000	29,820,140
247361702	DELTA AIR LINES, INC.	4,031,700	233,153,211
31428X106	FEDEX CORP.	9,900	2,383,821
374689107	GIBRALTAR INDUSTRIES, INC.	206,300	9,407,280
419879101	HAWAIIAN HOLDINGS, INC.	774,200	31,045,420
42704L104	HERC HOLDINGS, INC.	35,833	1,834,650
44925C103	ICF INTERNATIONAL, INC.	101,417	7,651,913
469814107	JACOBS ENGINEERING GROUP, INC.	1,203,600	92,075,400
477143101	JETBLUE AIRWAYS CORP.	8,184,225	158,446,596
628852204	NCI BUILDING SYSTEMS, INC.	340,000	5,151,000
629337106	NN, INC.	3,768,900	58,794,840
679580100	OLD DOMINION FREIGHT LINE, INC.	25,000	4,031,500
767744105	RITCHIE BROS. AUCTIONEERS, INC.	403,672	14,584,669
783513203	RYANAIR HOLDINGS PLC - ADR	14,300	1,373,372
844741108	SOUTHWEST AIRLINES CO.	1,466,900	91,607,905
848577102	SPIRIT AIRLINES, INC.	437,200	20,535,284
893641100	TRANSIDGM GROUP, INC.	8,500	3,164,550
910047109	UNITED CONTINENTAL HOLDINGS, INC.	3,626,450	322,971,637
971375126	WILLSCOT CORP.	189,600	3,251,640
			<u>1,583,275,116</u>

Financials - 3.5%

12503M108	CBOE GLOBAL MARKETS, INC.	82,500	7,916,700
12572Q105	CME GROUP, INC.	260,871	44,402,853
254709108	DISCOVER FINANCIAL SERVICES	674,203	51,542,819
269246401	E*TRADE FINANCIAL CORP.	2,280,866	119,494,570
57060D108	MARKETAXESS HOLDINGS, INC.	755,820	134,906,312
629209305	NMI HOLDINGS, INC. - CLASS A	2,258,449	51,153,870
743315103	PROGRESSIVE CORP. (THE)	151,000	10,727,040
			<u>420,144,164</u>

Telecom Services - 1.3%

85207U105	SPRINT CORP.	23,430,000	153,232,200
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Energy - 0.7%

127097103	CABOT OIL & GAS CORP.	584,750	13,168,570
26875P101	EOG RESOURCES, INC.	40,000	5,102,800
761565506	REX ENERGY CORP.	85,000	5,567
H8817H100	TRANSOCEAN LTD.	4,757,282	66,364,084
			<u>84,641,021</u>

Consumer Staples - 0.1%

128246105	CALAVO GROWERS, INC.	117,500	11,350,500
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Materials - 0.1%

012653101	ALBEMARLE CORP.	8,300	828,174
45688C107	INGEVITY CORP.	3,900	397,332
57165B106	MARRONE BIO INNOVATIONS, INC.	2,325,000	4,254,750
AU000000SYR9	SYRAH RESOURCES LTD. - AUD	200,300	333,011
			<u>5,813,267</u>

Total Common Stocks - 94.8%

\$ 11,274,845,461

Preferred Stocks				
Financials - 0.4%				
	313586752	FANNIE MAE FIXED-TO-FLOATING RATE NON-CUMULATIVE PREFERRED STOCK SERIES S, PERPETUAL MATURITY	4,559,200	25,121,192
	313400624	FREDDIE MAC FIXED-TO-FLOATING RATE NON-CUMULATIVE PREFERRED STOCK SERIES Z, PERPETUAL MATURITY	5,252,100	<u>27,993,693</u>
				<u>53,114,885</u>
Total Preferred Stocks - 0.4%				<u>53,114,885</u>
Closed-End Funds				
Information Technology - 0.1%	021346101	ALTABA, INC.	149,160	<u>10,160,779</u>
Total Closed-End Funds - 0.1%				<u>10,160,779</u>
Short-Term Investments - 4.7%	261941108	DREYFUS TREASURY SECURITIES CASH MANAGEMENT FUND	558,247,155	<u>558,247,155</u>
Total Portfolio - 100%				<u>\$ 11,896,368,280</u>

ADR American Depository Receipt
AUD Australian Dollars
CAD Canadian Dollars
CHF Swiss Francs
HKD Hong Kong Dollars

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