

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

US 10YR NOTE (CBT)DEC19 TYZ9	48.47
MLFCF15 R US0003M P 06/20/23 BA	40.53
GSGLPWDL R US0001M P 12/15/20 GS	39.10
CGPUTQL2 R US0003M P 11/26/19 CI	38.80
GSGLPW2L R US0001M P 12/15/20 GS	33.48
S&P500 EMINI FUT DEC19 ESZ9	15.83
S&P MID 400 EMINI DEC19 FAZ9	13.73
US 10YR ULTRA FUT DEC19 UXYZ9	9.08
REPO TRIPA MORTG 2.35 10/01/2019	5.57
GSVIUS85 R 0.45 P 12/15/20 GS	3.96
FNMA FN30 TBA UMBS 04.0000 10/01/2049	3.68
FNMA FN30 TBA UMBS 03.5000 10/01/2049	3.63
FNMA FN30 TBA UMBS 03.0000 10/01/2049	3.60
GSISXT27 R 0.2 P 12/15/20 GS	3.45
GSVIVV69 R 0.3 P 12/15/20 GS	2.04
UTILITIES SELECT SECTOR SPDR SEDOL 2371812	1.54
SAMSUNG ELECTRONICS CO LTD SEDOL 6771720	1.50
CONSUMER STAPLES SPDR SEDOL 2369389	1.47
CONSUMER DISCRETIONARY SELT SEDOL 2424341	1.47
REAL ESTATE SELECT SECT SPDR SEDOL BYZ65Y9	1.46
BAML COMMODITY MLBX4SX6 ER STRATEGY 3X 144A NOTE 12/12/2019	1.44
FINANCIAL SELECT SECTOR SPDR SEDOL 2364038	1.37
COMM SERV SELECT SECTOR SPDR SEDOL BFXHC51	1.35
GSVICUB3 R 0.45 P 12/15/20 GS	1.33
DJUBS L F3 - S F0 INDEX 3X 144A NOTE 3/23/2020	1.26
NDEUSIA R US0003M P 02/12/20 UB	1.25
CITI CROSS-ASSET TREND 10% VOL INDEX 3X 144A NOTE 9/28/2020	1.21
ISHARES MSCI INDIA ETF SEDOL B6XGR72	1.08
CITI COMMOD F3-F0 4X LEVERED INDEX 3X NOTE 12/16/2019	1.04
TREASURY BILL 00.0000 12/05/2019	0.99
TREASURY BILL 00.0000 11/14/2019	0.93
NATIONWIDE BUILDING SOCIETY 6385E1X71 DCP 10/07/2019	0.89
REGENCY MARKETS NO. 1 LLC 7588R1X83 DCP 10/08/2019	0.89
NRW BANK 62939MX93 DCP 10/09/2019	0.89
SOCIETE GENERALE SA 83369CXF6 DCP 10/15/2019	0.88
EXPORT DEVELOPMENT CANADA 30215HXF2 DCP 10/15/2019	0.88
PRUDENTIAL PLC 7443M3XF6 DCP 10/15/2019	0.88
SKANDINAVISKA ENSKILDA BANKEN 83050UXH6 DCP 10/17/2019	0.88
OLD LINE FUNDING LLC 67983UXJ7 DCP 10/18/2019	0.88
CRC FUNDING LLC 12619UXM8 DCP 10/21/2019	0.88
NATIONAL BANK OF CANADA 63307MXM6 DCP 10/21/2019	0.88
NATIONAL AUSTRALIA BANK LTD 63254FXN2 DCP 10/22/2019	0.88
AMERICAN HONDA FINANCE CORP 02665KXP7 DCP 10/23/2019	0.88
TOTAL CAPITAL CANADA LTD 89153QXP0 DCP 10/23/2019	0.88
METLIFE SHORT TERM FUNDING LL 59157UXR6 DCP 10/25/2019	0.88

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

ATLANTIC ASSET SECURITIZATION 04821UXU1 DCP 10/28/2019	0.88
CHEVRON CORP 16677KXV0 DCP 10/29/2019	0.88
BPCE SA 05571CY13 DCP 11/01/2019	0.88
GOTHAM FUNDING CORP 38346MY16 DCP 11/01/2019	0.88
BARCLAYS BANK PLC CCP 06742QXY3 DCP 11/07/2019	0.88
SIMON PROPERTY GROUP LP 82880XYC8 DCP 11/12/2019	0.88
ALPINE SECURITIZATION LLC 02088XYM4 DCP 11/21/2019	0.88
SVENSKA HANDELSBANKEN AB 86960KZT2 DCP 12/27/2019	0.88
DJUBS LONG F3 - SHORT DJUBS F0 3X 144A NOTE 1/28/2020	0.86
TENCENT HOLDINGS LTD SEDOL BMMV2K8	0.82
ALIBABA GROUP HOLDING-SP ADR SEDOL BP41ZD1	0.75
PING AN INSURANCE GROUP CO-H SEDOL B01FLR7	0.71
GSVIVVOL R 0.3 P 12/15/20 GS	0.66
TAIWAN SEMICONDUCTOR-SP ADR SEDOL 2113382	0.65
MBX.GII30.450.10 R USL1M P 01/12/41 CS	0.61
TREASURY BILL 00.0000 10/10/2019	0.61
CHINA MOBILE LTD SEDOL 6073556	0.60
IND & COMM BK OF CHINA-H SEDOL B1G1QD8	0.57
YUM CHINA HOLDINGS INC SEDOL BYW4289	0.48
KIA MOTORS CORP SEDOL 6490928	0.45
ANHUI CONCH CEMENT CO LTD-H SEDOL 6080396	0.44
TREASURY BILL 00.0000 03/12/2020	0.42
IRB BRASIL RESSEGUROS SA SEDOL BYZ6D56	0.41
GREE ELECTRIC 144A/REGS WARRANT 8/24/2020	0.40
BANCO DO BRASIL S.A. SEDOL 2328595	0.39
HYUNDAI MOBIS CO LTD SEDOL 6449544	0.37
BANK OF SHANGHAI 144A REGS WARRANT 12/12/2019	0.37
BOFA MLCOMMODITY MLBX4SX6 ER STRATEGY 08/03/2020	0.36
TREASURY BILL 00.0000 01/02/2020	0.36
WALMART DE MEXICO SAB DE CV SEDOL BW1YVH8	0.35
CIA SANEAMENTO BASICO DE SP SEDOL B1YCHL8	0.35
CHINA PETROLEUM & CHEMICAL-H SEDOL 6291819	0.33
SK HYNIX INC SEDOL 6450267	0.32
CHAROEN POKPHAND FOOD-FORGN SEDOL B5L2DG6	0.31
CAS 2016-C02 1B 14.2684 09/25/2028	0.30
EVRAZ PLC SEDOL B71N6K8	0.29
S&P GSCI EXCESS RETURN INDEX 3X NOTE 1/27/2020	0.29
KWEICHOW MOUTAI CO LTD-A 144A/REGS WARRANT 08/07/2020	0.28
SBERBANK PJSC -SPONSORED ADR SEDOL B5SC091	0.28
BANCO SANTANDER BRASIL-UNIT SEDOL B4V5RY4	0.27
REPUBLICA ORIENT URUGUAY USD 04.3750 10/27/2027	0.27
WFRBS 2012-C7 F P/P 144A 04.5000 06/15/2045	0.26
ZHEN DING TECHNOLOGY HOLDING SEDOL B734XQ4	0.25
PTT PCL/FOREIGN SEDOL BD0BDJ3	0.25
UNI-PRESIDENT ENTERPRISES CO SEDOL 6700393	0.25

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

CATCHER TECHNOLOGY CO LTD	SEDOL 6186669	0.24
LUKOIL PJSC-SPON ADR	SEDOL BYZDW27	0.24
INDUSTRIAL BANK CO LTD -A 144A/REGS WARRANT 08/07/2020		0.24
COUNTRY GARDEN HOLDINGS CO	SEDOL B1VKYN6	0.23
BANK OF COMMUNICATIONS - H	SEDOL B0B8Z29	0.23
QUALICORP CONS E CORR SEG SA	SEDOL B4LHBQ0	0.22
GEELY AUTOMOBILE HOLDINGS LT	SEDOL 6531827	0.22
FNR 2017-74 SA IO	03.7316 10/25/2047	0.20
HOME PRODUCT CENTER PCL-FOR	SEDOL 6418533	0.20
ELECTRICITY GEN PUB CO-FOR R	SEDOL 6304643	0.19
ANGLO AMERICAN PLATINUM LTD	SEDOL 6761000	0.19
WEICHAJ POWER CO LTD-H	SEDOL 6743956	0.19
HYPERA SA	SEDOL B2QY968	0.19
KOREA ZINC CO LTD	SEDOL 6495428	0.18
KUMBA IRON ORE LTD	SEDOL B1G4262	0.17
TELEFONICA BRASIL S.A.-PREF	SEDOL B3ZCNF7	0.17
MR PRICE GROUP LTD	SEDOL BYXW419	0.17
PETRONAS CHEMICALS GROUP BHD	SEDOL B5KQGT3	0.17
BANCO SANTANDER MEXICO SA IN	SEDOL BF1FXN2	0.17
UNITED MEXICAN STATES	USD 05.5500 01/21/2045	0.17
ZHONGSHENG GROUP HOLDINGS	SEDOL B633D97	0.16
BANK OF JIANGSU CO LTD- A 144A/REGS WARRANT 08/07/2020		0.16
ENEL AMERICAS SA-ADR	SEDOL 2314947	0.16
TREASURY BILL	00.0000 11/07/2019	0.16
SAMSUNG SDS CO LTD	SEDOL BRS2KY0	0.16
FOSUN INTERNATIONAL	SEDOL B1Z7FX0	0.16
DAELIM INDUSTRIAL CO LTD	SEDOL 6249584	0.16
TISCO FINANCIAL-FOREIGN	SEDOL B3KFW76	0.15
ECOPETROL SA-SPONSORED ADR	SEDOL B3D6J19	0.15
RADIANT OPTO-ELECTRONICS COR	SEDOL 6520278	0.15
INTER RAO UES PJSC	SEDOL B39RRN4	0.14
FNR 2016-3 MI IO	05.5000 02/25/2046	0.14
GUANGZHOU R&F PROPERTIES - H	SEDOL B19H8Y8	0.14
GNR 2014-184 DI IO	05.5000 12/16/2044	0.14
CAPITEC BANK HOLDINGS LTD	SEDOL 6440859	0.13
YUANTA FINANCIAL HOLDING CO	SEDOL 6424110	0.13
PRESIDENT CHAIN STORE CORP	SEDOL 6704986	0.13
SHINHAN FINANCIAL GROUP LTD	SEDOL 6397502	0.13
BANCO MACRO SA-ADR	SEDOL B0Y62M9	0.13
FNR 2015-30 IO IO	05.5000 05/25/2045	0.13
CHINA RESOURCES SANJIU MEDICAL & PHARMA 144A REGS 01/29/2020		0.13
PTT GLOBAL CHEMICAL PCL-FOR	SEDOL B736PF3	0.13
UNITED MICROELECTRONICS CORP	SEDOL 6916628	0.13
FNR 2018-51 IO IO	06.5000 07/25/2048	0.12
CMLTI 2007-AR5 1A1A	04.7334 04/25/2037	0.12

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

VALE SA	SEDOL 2196286	0.12
SMILES FIDELIDADE SA	SEDOL BF2JKY3	0.12
BANCO SANTANDER-CHILE-ADR	SEDOL 2136646	0.12
VIPSHOP HOLDINGS LTD - ADR	SEDOL B3N0H17	0.11
SURGUTNEFTEGAS-PREFERENCE	SEDOL 5005884	0.11
OTP BANK RT	SEDOL 7320154	0.11
WANT WANT CHINA HOLDINGS LTD	SEDOL B2Q14Z3	0.11
UBSBB 2013-C6 E	P/P 144A03.5000 04/10/2046	0.11
GLOBALWAFERS CO LTD	SEDOL BS7JP33	0.11
GNR 2010-125 SD IO	04.6525 01/16/2040	0.11
CAS 2019-R04 2M2	04.1184 06/25/2039	0.11
PROVINCIA DE BUENOS	P/P 144A10.8750 01/26/2021	0.11
INDUSTRIAL BANK OF KOREA	SEDOL 6462972	0.11
SINOTRUK HONG KONG LTD	SEDOL B296ZH4	0.11
TELKOM SA SOC LTD	SEDOL 6588577	0.10
MWST 2019-1 A	02.8184 06/25/2052	0.10
SPST 2019-7 A	02.7365 09/24/2020	0.10
MMC NORILSK NICKEL PJSC-ADR	SEDOL BYSW6D0	0.10
RHB BANK BHD	SEDOL 6244675	0.10
SPST 2019-3 A	02.7365 06/24/2020	0.10
SPST 2019-11 A	02.7865 10/24/2020	0.10
BANK OF CHINA LTD-H	SEDOL B154564	0.09
HENAN SHUANGHUI INVESTMENT & DEVELOPMENT CO LTD	-A 144A/REG	0.09
LOGAN PROPERTY HOLDINGS CO L	SEDOL BH6X937	0.09
GNR 2016-H02 BI IO	01.9582 11/20/2065	0.09
TRIPOD TECHNOLOGY CORP	SEDOL 6305721	0.09
FORMOSA CHEMICALS & FIBRE	SEDOL 6348715	0.09
POWSZECHNY ZAKLAD UBEZPIECZE	SEDOL B63DG21	0.09
SPST 2019-WL1 A	02.6684 08/25/2052	0.09
GNR 2016-135 PI IO	04.0000 05/20/2046	0.09
FNR 2016-88 SK IO	03.9816 12/25/2046	0.09
KT&G CORP	SEDOL 6175076	0.09
TREASURY BILL	00.0000 12/12/2019	0.08
PETROBRAS GLOBAL FINANCE USD	06.2500 03/17/2024	0.08
TCI CO LTD	SEDOL B6X51B1	0.08
GNR 2015-H24 HI IO	02.0343 09/20/2065	0.08
GSMS 2014-GC24 D	P/P 144A04.6665 09/10/2047	0.08
GNR 2015-H25 BI IO	01.8500 10/20/2065	0.08
GNR 2015-H15 JI IO	01.9945 06/20/2065	0.08
BANCO DE CHILE-ADR	SEDOL 2834252	0.08
WFMB 2005-AR4 1A3	05.1622 04/25/2035	0.08
GNR 2017-H11 NI IO	02.2846 05/20/2067	0.08
ENBRIDGE INC	USD 04.2500 12/01/2026	0.08
0.05 R ISWP FWD EUR006M P	12/18/2029	0.08
FNR 2017-8 SB IO	04.0816 02/25/2047	0.08

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

GNR 2010-68 SD IO	04.5358 06/20/2040	0.07
FNR 2017-108 SA IO	04.1316 01/25/2048	0.07
GRUPO AEROPORTUARIO DEL CENT SEDOL B1KFX13		0.07
SHINSEGAE INTERNATIONAL INC SEDOL B6SKWR4		0.07
GNR 2018-91 SJ IO	04.2058 07/20/2048	0.07
GNR 2017-H14 DI IO	01.7223 06/20/2067	0.07
LOJAS RENNER S.A. SEDOL B0CGYD6		0.07
NASPERS LTD-N SHS SEDOL 6622691		0.07
SPY 20200918 P 255.00JPMCB		0.07
GNR 2016-150 I IO	05.0000 11/20/2046	0.07
SK TELECOM SEDOL 6224871		0.07
WFRBS 2011-C3 E P/P 144A05.0000 03/15/2044		0.07
SEVERSTAL PJSC SEDOL B0561N2		0.07
GENTING MALAYSIA BHD SEDOL B1VXKN7		0.07
GNR 2015-H25 AI IO	01.6297 09/20/2065	0.07
PETROBRAS GLOBAL FIN P/P 144A05.0930 01/15/2030		0.07
CAS 2015-C04 1M2	07.7184 04/25/2028	0.07
FNR 2017-32 IP IO	04.5000 05/25/2047	0.07
WAMU 2004-AR12 A2B	02.9384 10/25/2044	0.07
STRU AM-4505 S IO	04.0430 10/20/2049	0.06
FNR 2012-19 S IO	03.9316 03/25/2042	0.06
TEKFEN HOLDING AS SEDOL B29D241		0.06
GENTING BHD SEDOL B1VXJL8		0.06
SPY 20200717 P 255.00CITI		0.06
HM SAMPOERNA TBK PT SEDOL 6404242		0.06
GNR 2018-H05 AI IO	02.4156 02/20/2068	0.06
INDOFOOD SUKSES MAKMUR TBK P SEDOL 6283979		0.06
SEAZEN HOLDINGS CO 144A/REGS WARRANT 04/17/2020		0.06
GNR 2015-H26 GI IO	01.8194 10/20/2065	0.06
CAS 2018-C05 1M2	04.3684 01/25/2031	0.06
GNR 2017-H02 BI IO	02.3414 01/20/2067	0.06
FNR 2013-130 SD IO	04.5816 01/25/2044	0.06
SPY 20200619 P 255.00JPMCB		0.06
GNR 2015-H20 CI IO	01.7455 08/20/2065	0.05
GNR 2018-104 SD IO	04.1558 08/20/2048	0.05
ANTOFAGASTA PLC SEDOL 0045614		0.05
FORMOSA PLASTICS CORP SEDOL 6348544		0.05
SPY 20200821 P 245.00CITI		0.05
NOVOLIPETSK STEEL PJSC-GDR SEDOL B0RTNX3		0.05
GNR 2015-H09 AI IO	02.1691 04/20/2065	0.05
GNR 2015-H19 NI IO	01.9302 07/20/2065	0.05
GNR 2014-H21 AI IO	01.6310 10/20/2064	0.05
GNR 2015-H24 BI IO	01.6380 08/20/2065	0.05
JPMBB 2013-C14 E P/P 144A04.8586 08/15/2046		0.05
FNR 2016-65 CS IO	04.0816 09/25/2046	0.05

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

GNR 2015-H09 BI IO	01.7175	03/20/2065	0.05
GNR 2018-127 IB IO	04.5000	06/20/2045	0.05
FORD OTOMOTIV	SEDOL B03MSR5		0.05
GUANGZHOU AUTOMOBILE GROUP-H	SEDOL B433995		0.05
GNR 2015-80 IA IO	04.5000	06/20/2045	0.05
GUANGZHOU BAIYUNSHAN PHARM-H	SEDOL 6084387		0.05
CIA CERVECERIAS UNI-SPON ADR	SEDOL 2217596		0.05
FHR 4134 PI IO	03.0000	11/15/2042	0.05
PETROBRAS GLOBAL FINANCE USD	06.1250	01/17/2022	0.05
PETROBRAS GLOBAL FINANCE USD	08.7500	05/23/2026	0.05
HANNSTAR DISPLAY CORP	SEDOL 6381828		0.05
GNR 2015-H22 GI IO	02.5769	09/20/2065	0.04
UNITED TRACTORS TBK PT	SEDOL 6230845		0.04
GNR 2015-187 JI IO	04.0000	03/20/2045	0.04
GLOW ENERGY PCL - FOREIGN	SEDOL B074GX9		0.04
GNR 2017-H06 BI IO	02.3547	02/20/2067	0.04
FHR 4259 DI IO	04.0000	06/15/2043	0.04
GNR 2016-H03 AI IO	02.2288	01/20/2066	0.04
GNR 2013-6 AI IO	03.5000	08/20/2039	0.04
GNR 2015-H10 CI IO	01.8312	04/20/2065	0.04
ITAUSA-INVESTIMENTOS ITAU-PR	SEDOL 2458771		0.04
CAS 2017-C02 2B1	07.5184	09/25/2029	0.04
GNR 2015-53 MI IO	04.0000	04/16/2045	0.04
POU CHEN	SEDOL 6696157		0.04
SPY 20200417 P 255.00BANKAM			0.04
SPY 20200515 P 250.00BANKAM			0.04
PETROBRAS GLOBAL FIN USD	05.9990	01/27/2028	0.04
AIRASIA GROUP BHD	SEDOL B03J9L7		0.04
ODONTOPREV S.A.	SEDOL B1H6R62		0.04
FHR 4801 IG IO	03.0000	06/15/2048	0.04
KOREA INVESTMENT HOLDINGS CO	SEDOL 6654586		0.04
EL PUERTO DE LIVERPOOL-C1	SEDOL 2306814		0.04
0.75 R ISWP FWD GBL6M P		12/18/2024	0.04
FNR 2016-3 NI IO	06.0000	02/25/2046	0.04
FNR 2017-2 KI IO	04.0000	02/25/2047	0.04
GNR 2015-167 BI IO	04.5000	04/16/2045	0.04
GNR 2015-105 LI IO	05.0000	10/20/2039	0.04
CAS 2017-C02 2M2	05.6684	09/25/2029	0.04
ZHEJIANG EXPRESSWAY CO-H	SEDOL 6990763		0.04
GNR 2016-37 IW IO	04.5000	02/20/2046	0.04
JPMCC 2006-LDP9 AMS	05.3370	05/15/2047	0.04
THANACHART CAPITAL-FOREIGN	SEDOL BF5DGN3		0.04
CAS 2017-C06 2M2	04.8184	02/25/2030	0.04
GNR 2014-146 EI IO	05.0000	10/20/2044	0.04
GNR 2016-H08 GI IO	01.4458	04/20/2066	0.04

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

SAO MARTINHO SA	SEDOL B1P3R43	0.04
GNR 2010-9 UI IO	05.0000 01/20/2040	0.04
GNR 2017-57 AI IO	04.0000 06/20/2045	0.03
PROSUS NV	SEDOL BJDS7L3	0.03
NZD/USD 10/16/2019 JPMCB		0.03
GNR 2016-H16 DI IO	02.4603 06/20/2066	0.03
UBSBB 2012-C2 F P/P 144A	05.0000 05/10/2063	0.03
GNR 2016-75 EI IO	03.5000 08/20/2045	0.03
PETROLEOS MEXICANOS	USD 06.3750 01/23/2045	0.03
GNR 2015-H16 XI IO	02.0524 07/20/2065	0.03
ENEL CHILE SA-ADR	SEDOL BYYHKR1	0.03
GNR 2011-17 S IO	04.0058 02/20/2041	0.03
GNR 2018-127 ID IO	05.0000 07/20/2045	0.03
FEDERAL GRID CO UNIFIED ENER	SEDOL B39RR67	0.03
YDUQS PART	SEDOL BJGV3C2	0.03
GNR 2018-127 IE IO	03.5000 01/20/2046	0.03
FHR 4568 MI IO	04.0000 04/15/2046	0.03
GNR 2013-20 QI IO	04.5000 12/16/2042	0.03
IOS.FN30.400.14 R USL1M P	01/12/45 CS	0.03
GECMC 2005-C1 D	04.5588 06/10/2048	0.03
MISC BHD	SEDOL 6557997	0.03
CWHL 2005-3 1A1	02.6384 04/25/2035	0.03
KOC HLDG	SEDOL B03MVJ8	0.03
AUD/JPY PUT 70.00 20200214	CITI	0.03
AUD/JPY PUT 70.00 20200214	GSFX	0.03
GNR 2009-121 UI IO	05.0000 12/20/2039	0.03
GNR 2016-H04 KI IO	01.8909 02/20/2066	0.03
ATACADA0 SA	SEDOL BF7LBH4	0.03
GNR 2010-20 UI IO	05.0000 02/20/2040	0.02
IOS.FN30.350.12 R USL1M P	01/12/43 CS	0.02
EUR/USD PUT 1.097 20191017	BANKAM	0.02
FNR 2013-35 PI IO	03.0000 02/25/2042	0.02
GNR 2014-163 NI IO	05.0000 02/20/2044	0.02
GNR 2015-24 IA IO	03.5000 02/20/2045	0.02
MANILA ELECTRIC COMPANY	SEDOL B247XZ6	0.02
PLDT INC	SEDOL BDGN274	0.02
GNR 2015-124 NI IO	03.5000 06/20/2039	0.02
KT CORP	SEDOL 6505316	0.02
ASTRAL FOODS LTD	SEDOL 6342836	0.02
WFMBS 2006-AR6 7A2	04.8187 03/25/2036	0.02
JASTRZEBSKA SPOLKA WEGLOWA S	SEDOL B6R2S06	0.02
FHR 4097 PI IO	03.5000 11/15/2040	0.02
1.45 R ISWP FWD US0003M P	12/18/2024	0.02
NZD/USD 10/16/2019 BCAP-FX		0.02
KRW/USD 11/20/2019 GSFX		0.02

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

GNR 2015-H18 IA IO	01.8486	06/20/2065	0.02
GNR 2010-134 ES IO	03.9558	11/20/2039	0.02
AUD/USD 10/16/2019 GSF			0.02
GNR 2015-H10 EI IO	01.6386	04/20/2065	0.02
GNR 2013-24 PI IO	04.0000	11/20/2042	0.02
0.40 R ISWP FWD SES3M P		12/18/2029	0.02
GNR 2011-H15 AI IO	01.5458	06/20/2061	0.02
CMB CMBX.NA.BB.7 2047-01-17	500.0	01/17/2047 GS	0.02
0.80 R ISWP FWD GBL6M P		12/18/2029	0.02
GNR 2013-79 XI IO	03.5000	11/20/2039	0.01
GNR 2013-129 SN IO	04.1058	09/20/2043	0.01
NZD/USD 10/16/2019 GSF			0.01
FHR 4206 IP IO	03.0000	12/15/2041	0.01
ASTRO MALAYSIA		SEDOL B7W5GK3	0.01
FHR 4193 PI IO	04.0000	03/15/2043	0.01
IOS.FN30.400.14 R USL1M P		01/12/45 GS	0.01
IOS.FN30.400.14 R USL1M P		01/12/45 CS	0.01
FHR 3747 SA IO	04.4725	10/15/2040	0.01
FNR 2012-151 PI IO	03.0000	01/25/2043	0.01
FHR 4099 BI IO	03.5000	06/15/2039	0.01
FHR 4073 AS IO	04.0225	08/15/2038	0.01
AUD/USD 10/16/2019 HSBCB			0.01
NESTLE (MALAYSIA) BERHAD		SEDOL 6629335	0.01
GNR 2013-157 IA IO	03.5000	04/20/2040	0.01
IOS.FN30.350.14 R USL1M P		01/12/45 CS	0.01
GNR 2015-99 LI IO	04.0000	07/20/2045	0.01
1.80 R ISWP FWD CDOR03 P		12/18/2024	0.01
CAS 2015-C02 2M2	06.0184	05/25/2025	0.01
1.30 R ISWP FWD AUDBB6M P		12/18/2029	0.01
KRW/USD 11/20/2019 HSBCB			0.01
GNR 2013-100 MI IO	03.5000	02/20/2043	0.01
CMB CMBX.NA.BBB-.7 2047-01-17	300.0	01/17/2047 JP	0.01
GNR 2014-133 AI IO	04.0000	10/20/2036	0.01
GNR 2013-23 IK IO	03.0000	09/20/2037	0.01
GNR 2015-82 GI IO	03.5000	12/20/2038	0.01
CMB CMBX.NA.BB.6 2063-05-11	500.0	05/11/2063 CS	0.01
GNR 2015-96 NI IO	03.5000	01/20/2039	0.01
AUD/USD 10/16/2019 UBS			0.01
GNR 2010-35 QI IO	04.5000	03/20/2040	0.01
FNR 2012-136 PI IO	03.5000	11/25/2042	0.01
PETROLEOS DE VENEZUELA S REGS	05.3750	04/12/2027	0.01
PETROBRAS GLOBAL FIN	USD 05.2990	01/27/2025	0.01
CAD/USD 10/16/2019 BCAP-FX			0.01
IDR/USD 11/20/2019 GSF			0.01
CMB CMBX.NA.BB.9 2058-09-17	500.0	09/17/2058 CG	0.01

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

GNR 2013-102 IP IO 03.5000 06/20/2043	0.01
RUB/USD 12/18/2019 GSFX	0.01
RUB/USD 12/18/2019 BANKAM	0.01
CAD/USD 10/16/2019 JPMCB	0.01
GNR 2012-141 WI IO 03.5000 11/20/2041	0.01
-0.35 R ISWP FWD CHL6M P 12/18/2029	0.01
SWPTN 10YX20Y R 2.785 USD 01/25/2027 BA	0.01
IOS.FN30.650.67 R USL1M P 01/12/38 BC	0.01
AUD/USD 10/16/2019 CITI	0.01
JPY/USD 11/20/2019 JPMCB	0.01
PROVINCIA DE BUENOS 63.2064 05/31/2022	0.01
FNR 2013-31 NI IO 03.0000 06/25/2041	0.00
REPUBLIC OF VENEZUELA REGS 07.6500 04/21/2025	0.00
AUD/USD 10/16/2019 SSBT	0.00
CMB CMBX.NA.BB.7 2047-01-17 500.0 01/17/2047 GS	0.00
SWPTN 5YX30Y R 2.8325 USD 02/15/2022 JP	0.00
EUR/USD 12/18/2019 CITI	0.00
3.312 R ISWP US0003M P 11/08/2048	0.00
IOS.FN30.400.10 R USL1M P 01/12/41 BA	0.00
IOS.FN30.400.10 R USL1M P 01/12/41 BA	0.00
EUR/USD 12/18/2019 BANKAM	0.00
IOS.FN30.400.10 R USL1M P 01/12/41 JP	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 CS	0.00
SEK/USD 12/18/2019 GSFX	0.00
JPY/USD 11/20/2019 BANKAM	0.00
EUR/USD 12/18/2019 SSBT	0.00
IOS.FN30.400.10 R USL1M P 01/12/41 CI	0.00
SEK/USD 12/18/2019 BANKAM	0.00
SEK/USD 12/18/2019 HSBCB	0.00
CMB CMBX.NA.BB.11 2054-11-18 500.0 11/18/2054 CG	0.00
SWPTN 3YX30Y R 2.3075 USD 06/20/2022 BA	0.00
-0.65 R ISWP FWD CHL6M P 12/18/2024	0.00
SEK/USD 12/18/2019 UBS	0.00
BSCMS 2006-PW11 C P/P 144A 05.8095 03/11/2039	0.00
SEK/USD 12/18/2019 RBSF	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 MS	0.00
IOS.FN30.350.12 R USL1M P 01/12/43 CS	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 ML	0.00
JPY/USD 11/20/2019 GSFX	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 CS	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 CS	0.00
IOS.FN30.400.10 R USL1M P 01/12/41 BC	0.00
1.30 R ISWP FWD NFIX3MID P 12/18/2029	0.00
CHF/USD 12/18/2019 JPMCB	0.00
JPY/USD 11/20/2019 HSBCB	0.00

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

1.65 R ISWP FWD US0003M P 12/18/2049	0.00
SWPTN 10YX20Y P 2.785 USD 01/25/2027 BA	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 MS	0.00
CMB CMBX.NA.BB.7 2047-01-17 500.0 01/17/2047 GS	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 CG	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 CG	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 MS	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 ML	0.00
CMB CMBX.NA.BB.10 2059-11-17 500.0 11/17/2059 ML	0.00
CMB CMBX.NA.BB.11 2054-11-18 500.0 11/18/2054 CG	0.00
JPY/USD 11/20/2019 UBS	0.00
SEK/USD 12/18/2019 JPMCB	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 GS	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 MS	0.00
CMB CMBX.NA.BB.9 2058-09-17 500.0 09/17/2058 GS	0.00
SWPTN 3YX30Y P 2.3075 USD 06/20/2022 BA	0.00
CAD/USD 10/16/2019 CSI-FX	0.00
GNR 2013-90 HI IO 03.5000 04/20/2040	0.00
SWPTN 10YX20Y R 2.8175 USD 03/23/2027 GS	0.00
CMB CMBX.NA.A.6 2063-05-11 200.0 05/11/2063 GS	0.00
2.2225 R ISWP FWD US0003M P 06/05/2029	0.00
CMB CMBX.NA.BB.8 2057-10-17 500.0 10/17/2057 CS	0.00
CMB CMBX.NA.BB.8 2057-10-17 500.0 10/17/2057 CG	0.00
BRL/USD 02/04/2020 GSFY	0.00
CMB CMBX.NA.BB.7 2047-01-17 500.0 01/17/2047 JP	0.00
MLCFC 2006-4 XC IO P/P 144A00.7588 12/12/2049	0.00
GMACC 2004-C3 X1 IO P/P 144A01.0962 12/10/2041	0.00
CMB CMBX.NA.A.6 2063-05-11 200.0 05/11/2063 CS	0.00
CMB CMBX.NA.A.6 2063-05-11 200.0 05/11/2063 GS	0.00
GNR 2011-116 IB IO 05.0000 10/20/2040	0.00
CMB CMBX.NA.A.6 2063-05-11 200.0 05/11/2063 GS	0.00
CMB CMBX.NA.A.6 2063-05-11 200.0 05/11/2063 GS	0.00
BRL/USD 02/04/2020 CITI	0.00
1.00 R ISWP FWD NFIX3MID P 12/18/2024	0.00
SPY 20190930 C 304.00UBS	0.00
-0.35 R ISWP FWD EUR006M P 12/18/2024	0.00
1.80 R ISWP FWD NOKOIB6M P 12/18/2029	0.00
1.00 R ISWP FWD AUDBB6M P 12/18/2024	0.00
1.60 R ISWP FWD US0003M P 12/18/2024	0.00
1.75 R ISWP FWD NOKOIB6M P 12/18/2024	0.00
GBP/USD 12/18/2019 HSBCB	0.00
CAD/USD 10/16/2019 GSFY	0.00
2.3075 R ISWP FWD US0003M P 06/22/2052	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 BA	0.00
CAD/USD 10/16/2019 WPAC	0.00

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

SWPTN 10YX20Y P 2.8175 USD 03/23/2027 GS	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 GS	0.00
NOK/USD 12/18/2019 BANKAM	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 MS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 BA	0.00
SPY 20191018 C 310.00JPMCB	0.00
EUR/USD 12/18/2019 UBS	0.00
2.184 R ISWP FWD US0003M P 12/07/2030	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 GS	0.00
NOK/USD 12/18/2019 SSBT	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 BA	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 BA	0.00
2.67 R ISWP FWD US0003M P 03/28/2052	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 BC	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
GBP/USD 12/18/2019 SSBT	0.00
CAD/USD 10/16/2019 SSBT	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CAD/USD 10/16/2019 BANKAM	0.00
SEK/USD 12/18/2019 SSBT	0.00
AUD/USD 10/16/2019 JPMCB	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
IDR/USD 11/20/2019 HSBCB	0.00
CMB CMBX.NA.BB.7 2047-01-17 500.0 01/17/2047 CG	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 BC	0.00
NOK/USD 12/18/2019 GSFY	0.00
INR/USD 11/20/2019 GSFY	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 CS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
MXN/USD 10/16/2019 BANKAM	0.00
BRL/USD 02/04/2020 BANKAM	0.00
EUR/USD 12/18/2019 CSI-FX	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 MS	0.00
SWPTN 5YX30Y P 2.8325 USD 02/15/2022 JP	0.00
EUR/USD 12/18/2019 JPMCB	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 MS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CAD/USD 10/16/2019 RBSF	0.00

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 CG	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CAD/USD 10/16/2019 CITI	0.00
1.58 R ISWP FWD US0003M P 12/18/2021	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	0.00
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	-0.01
JPY/USD 11/20/2019 BCAP-FX	-0.01
INR/USD 11/20/2019 RBSF	-0.01
0.05 R ISWP FWD SES3M P 12/18/2024	-0.01
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	-0.01
1.85 R ISWP FWD CDOR03 P 12/18/2029	-0.01
TWD/USD 11/20/2019 RBSF	-0.01
TWD/USD 11/20/2019 GSFY	-0.01
CMB CMBX.NA.BB.6 2063-05-11 500.0 05/11/2063 CG	-0.01
JPY/USD 11/20/2019 SSBT	-0.01
CMB CMBX.NA.BBB-.7 2047-01-17 300.0 01/17/2047 CS	-0.01
IOS.FN30.350.12 P USL1M R 01/12/43 BC	-0.01
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	-0.01
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 MS	-0.01
JPY/USD 11/20/2019 CITI	-0.01
AUD/USD 10/16/2019 BANKAM	-0.01
AUD/JPY PUT 66.00 20200214 CITI	-0.01
AUD/JPY PUT 66.00 20200214 GSFY	-0.01
IOS.FN30.300.13 P USL1M R 01/12/44 GS	-0.01
JPY/USD 11/20/2019 RBSF	-0.02
IOS.FN30.400.10 P USL1M R 01/12/41 CS	-0.02
IOS.FN30.350.12 P USL1M R 01/12/43 GS	-0.02
IOS.FN30.400.14 P USL1M R 01/12/45 JP	-0.02
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 GS	-0.02
AUD/USD 10/16/2019 WPAC	-0.02
AUD/USD 10/16/2019 RBSF	-0.02
INGN US P R 07/05/22 CI	-0.02
1.525 R ISWP FWD US0003M P 12/18/2029	-0.03
AUD/USD 10/16/2019 CSI-FX	-0.03
UA US P R 07/05/22 CI	-0.03
IOS.FN30.400.14 P US0001M R 01/12/45 JP	-0.04
HOMB US P US0001M R 07/05/22 CI	-0.05
KLIC US P US0001M R 07/05/22 CI	-0.06
EBIX US P R 07/05/22 CI	-0.06
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 ML	-0.06
OMCL US P US0001M R 07/05/22 CI	-0.06
DBD US P R 07/05/22 CI	-0.06
BGS US P R 07/05/22 CI	-0.07
WGO US P US0001M R 07/05/22 CI	-0.07

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

EYE US P US0001M R 07/05/22 CI	-0.07
HUBS US P R 07/05/22 CI	-0.08
PTC US P R 07/05/22 CI	-0.08
APPN US P US0001M R 07/05/22 CI	-0.08
DORM US P US0001M R 07/05/22 CI	-0.08
CMD US P US0001M R 07/05/22 CI	-0.08
ACIW US P R 07/05/22 CI	-0.08
EPC US P US0001M R 07/05/22 CI	-0.08
GVA US P R 07/05/22 CI	-0.09
PCTY US P R 07/05/22 CI	-0.09
BB US P US0001M R 07/05/22 CI	-0.09
DLB US P US0001M R 07/05/22 CI	-0.09
PBH US P US0001M R 07/05/22 CI	-0.10
QLYS US P US0001M R 07/05/22 CI	-0.10
1.70 R ISWP FWD US0003M P 12/18/2029	-0.10
BRKR US P US0001M R 07/05/22 CI	-0.10
CUB US P US0001M R 07/05/22 CI	-0.10
INST US P US0001M R 07/05/22 CI	-0.10
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 CG	-0.11
MDRX US P US0001M R 07/05/22 CI	-0.12
CBPO US P US0001M R 07/05/22 CI	-0.13
MDSO US P R 07/05/22 CI	-0.13
AJRD US P R 07/05/22 CI	-0.14
CTLT US P US0001M R 07/05/22 CI	-0.14
SLAB US P US0001M R 07/05/22 CI	-0.16
BWXT US P US0001M R 07/05/22 CI	-0.16
LHCG US P US0001M R 07/05/22 CI	-0.16
PKI US P US0001M R 07/05/22 CI	-0.18
JBL US P US0001M R 07/05/22 CI	-0.20
HBI US P R 07/05/22 CI	-0.20
OSK US P US0001M R 07/05/22 CI	-0.21
ICLR US P R 07/05/22 CI	-0.22
TGI US P R 07/05/22 CI	-0.22
ENR US P R 07/05/22 CI	-0.22
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 JP	-0.23
CMB CMBX.NA.BBB-.6 2063-05-11 300.0 05/11/2063 CS	-0.24
AAXN US P US0001M R 07/05/22 CI	-0.25
VAR US P R 07/05/22 CI	-0.32
CDX CDX.NA.HY.33 500.0 12/20/2024	-0.33
CERN US P R 07/05/22 CI	-0.36
TXT US P US0001M R 07/05/22 CI	-0.37
GWRE US P US0001M R 07/05/22 CI	-0.40
DPZ US P US0001M R 07/05/22 CI	-0.44
NDUEEGF P US0001M R 12/12/19 GS	-0.50
RL US P US0001M R 07/05/22 CI	-0.50

Putnam VT Multi-Asset Absolute Return Fund

Full holdings as of September 30, 2019

AMD US P US0001M R 07/05/22 CI	-0.53
IQV US P R 07/05/22 CI	-0.53
GLW US P US0001M R 07/05/22 CI	-0.71
TSLA US P R 07/05/22 CI	-0.79
CTXS US P US0001M R 07/05/22 CI	-0.84
ILMN US P US0001M R 07/05/22 CI	-0.84
K US P R 07/05/22 CI	-0.99
NDUEEGF P US0003M R 09/18/20 CI	-1.20
NDUEEGF P US0003M R 03/19/20 CI	-2.61
NDUEEGF P US0001M R 08/20/20 UB	-8.24
NDUEEGF P US0001M R 02/12/20 CS	-12.80
RU10INTR P US0003M R 11/26/19 CI	-19.32
GSGLPW2S P US0001M R 12/15/20 GS	-33.39
GSGLPWDS P US0001M R 12/15/20 GS	-36.28
RU10INTR P US0003M R 06/20/23 BA	-40.55