



Market Counterparty	Location	LEI	Securities	Listed Derivatives	OTC and FX FWD	Bank Loans	Securities Lending
ABN AMRO, Group							
ABN AMRO Bank NV	Amsterdam	BFXS5XCH7N0Y05NIXW11	X				X
ACCIONA, Group							
Bestinver Sociedad de Valores, S.A.	Madrid	95980020140006002537	X				
AGRICULTURAL BANK OF CHINA, Group							
Agricultural Bank of China Limited	Beijing	549300E7TSGLCOVSY746	X				
ALLIANCE BERNSTEIN, Group							
Sanford C. Bernstein & Co. Llc.	New York	549300I7JYZHT7D5CO04	X				
Bernstein Autonomous LLP	London	54930049G8WQ500USD19	X				
AUSTRALIA AND NEW ZEALAND BANKING GROUP, Group							
Australia and New Zealand Banking Group Limited	Melbourne	JHE42UYNWWTJB8YTTU19	X				
BANCA POPOLARE DI MILANO, Group							
Banca Akros Spa	Milan	549300GRXFI7D6PNEA68	X				
BANCA SELLA, Group							
Banca Patrimoni Sella e C. S.p.A.	Torino	5493000G0BV36KLF7M63	X				
BANCO BILBAO VIZCAYA, Group							
Banco Bilbao Vizcaya Argentaria S.A.	Madrid	K8MS7FD7N5Z2WQ51AZ71	X			X	
BANCO BRADESCO, Group							
Banco Bradesco S.A.	San Paolo	549300CTUU1RFHQJE44	X				
Bradesco Securities Inc.	New York	5493005BOEQJY4OBZP25	X				
BANCO SANTANDER, Group							
Banco Santander S.A.	Madrid	5493006QMFDMMYWIAM13	X			X	X
BANK OF AMERICA, Group							
Bank of America Europe, DAC	Dublin	EQYXK86SF381Q21S3020				X	
BofA Securities Europe SA	Paris	549300FH0WJAPEHTIQ77	X	X	X		X
BofA Securities Inc.	Delaware	549300HN4UKV1E2R3U73	X				
Merrill Lynch International	London	GGDZP1UYGU9STUHRDP48	X			X	X
Bank of America N.A.	Charlotte	B4TYDEB6GKMZO031MB27	X			X	
BofA Securities India Limited	Mumbai	549300A5QXDCAXLKH833	X				
BANK OF CHINA, Group							
Bank of China Hong Kong Limited	Hong Kong	KNPC1X7GHDZW8U2ZSF89	X				
Bank of China Limited	Beijing	54930053HGCFVWHYZX42	X				
BOCI Securities Limited	Hong Kong	549300VO4FJKIJJG2H24	X				
BANK OF COMMUNICATIONS, Group							
Bank of Communications Co.,Ltd	Shanghai	549300AX1UM10U30HK09	X				
BARCLAYS, Group							



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Barclays Bank Plc.	London	G5GSEF7VJP517OUK5573	X			X	X
Barclays Capital Securities Ltd.	London	K9WDOH4D2PYBSLSOB484	X				X
Barclays Capital Inc.	New York	AC28XWWI3WIBK2824319	X				
Barclays Bank Ireland Plc	Dublin	2G5BKIC2CB69PRJH1W31	X		X	X	X
BERENBERG BANK, Group							
Berenberg Bank	Hamburg	529900UC2OD7I124Z667	X				
BLUEFIN, Group							
Bluefin Europe LLP	London	549300Q2Z3B0BNFSSC21	X				
BNP PARIBAS, Group							
BNP Paribas S.A.	Paris	R0MUWSFPU8MPRO8K5P83	X	X	X	X	X
BNP Paribas Arbitrage SNC	Paris	6EWKU0FGVX5QQJHFGT48					X
BNP Paribas (China) Limited	Shanghai	5493006KYU0VX4EBIP66	X				
BPCE, Group							
Natixis S.A.	Paris	KX1WK48MPD4Y2NCUIZ63	X			X	X
CANADIAN IMPERIAL BANK OF COMMERCE, Group							
Canadian Imperial Bank of Commerce	Toronto	2IGI19DL77OX0HC3ZE78	X				
CARNEGIE, Group							
Carnegie Investment Bank AB	Stockholm	529900BR5NZNQZEVO417	X				
CATHAY FINANCIAL, Group							
Cathay Securities Corporation	Taiwan	254900WGCM7TJ7U4J161	X				
CHANGJIANG SECURITIES, Group							
Changjiang Securities Brokerage (HK) Limited	Hong Kong	3003001TT6WMDVNHK013	X				
CHINA CONSTRUCTION BANK CORPORATION, Group							
China Construction Bank Corporation	Beijing	5493001KQW6DM7KEDR62	X				
CHINA DEVELOPMENT BANK, Group							
China Development Bank Corp	Beijing	300300C1020111000029	X				
China CITIC Bank Corporation Limited	Beijing	300300C1030211000384	X				
CHINA MERCHANTS, Group							
China Merchants Securities Co., Ltd	Shenzhen	30030060IEIMX476KH87	X				
CICC, Group							
China International Capital Corporation Ltd.	Beijing	529900OS3SVVT56QN67	X				
China International Capital Corporation Hong Kong Securities Ltd	Hong Kong	529900A2OXHI3I5TPV90	X				
CITIC, Group							
Citic Securities Company Limited	Shenzhen	300300E1006744000068	X				
CITIGROUP, Group							
Citibank N.A.	Sioux Falls	E570DZWZ7FF32TWEFA76	X			X	

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Citigroup Global Markets Inc.	New York	MBNUM2BPBDO7JBLYG310	X				
Citigroup Global Markets Ltd.	London	XKZZ2JZF41MRHTR1V493	X			X	X
Citibank Europe Plc	Dublin	N1FBEDJ5J41VKZLO2475				X	
Citigroup Global Markets Europe AG	Frankfurt	6TJCK1B7E7UTXP528Y04	X		X		X
Citigroup Global Markets India Private Ltd.	Mumbai	549300WFG8RENRBOKH88	X				
COMMERZBANK, Group							
Commerzbank A.G.	Frankfurt	851WYGNUQLFZBSYGB56	X			X	X
CREDIT AGRICOLE, Group							
Crédit Agricole Corporate and Investment Bank	Paris	1VUV7VQFKUOQSJ21A208	X		X	X	X
CREDIT SUISSE, Group							
Credit Suisse A.G.	Zurich	ANGGYXNX0JLX3X63JN86	X				X
Credit Suisse Securities (USA) LLC	New York	1V8Y6QCX6YMJ2OELI146	X				
Credit Suisse Deutschland AG	Frankfurt	529900ENT1WBE443LZ43	X			X	X
Credit Suisse International	London	E58DKGMJYYYJLN8C3868	X			X	X
Credit Suisse Securities (Europe) Ltd	London	DL6FFRRL74S01HE2M14	X				X
Credit Suisse Securities, Sociedad De Valores, S.A.	Madrid	959800TMGPWX7NYM4R72	X	X	X		
DAIWA SECURITIES GROUP INC, Group							
Daiwa Capital Markets Europe Ltd.	London	MIM2K09LFYD41B163W58	X				
Daiwa Capital Markets Deutschland GmbH	Frankfurt	549300NEBDPHOZXIF850	X				
Daiwa Capital Markets Singapore Limited (was DAIWA SECURITIES)	Singapore	5493004MMMLPCDNEW7149	X				
DANSKE, Group							
Danske Bank A/S	Copenhagen	MAES062Z2104RZ2U7M96	X				
DBS, Group							
DBS Bank (China) Limited	Shanghai	549300BPHEJP44XN4232	X				
DEUTSCHE BANK, Group							
Deutsche Bank A.G.	Frankfurt	7LTWFZYICNSX8D621K86	X	X	X	X	X
Deutsche Bank (China) Co. Ltd	Beijing	529900E7W7M9W46YY476	X				
Deutsche Bank Securities Inc	New York	9J6MBOO07BECDTUZW19	X				
DNB, Group							
DNB Bank ASA	Oslo	549300GKFG0RYRRO1414	X				
DZ BANK, Group							
DZ BANK AG Deutsche Zentral-Genossenschaftsbank	Frankfurt	529900HNOAA1KXQJUQ27	X				
EQUITA, Group							
EQUITA SIM S.p.A.	Milan	815600E3E9BFBC8FAA85	X				
EVERCORE, Group							
Evercore Group LLC	New York	5493008FOLRLS5N8LZ81	X				



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EXANE, Group							
Exane S.A.	Paris	969500UP76J52A9OXU27	X				
FLOW TRADERS, Group							
Flow Traders B.V.	Amsterdam	549300CLJI9XDH12XV51	X				
GOLDMAN SACHS, Group							
Goldman Sachs & Co.	New York	FOR8UP27PHTHYVLBNG30	X				
Goldman Sachs International	London	W22LROWP2IHZNBB6K528	X			X	X
Goldman Sachs Bank Europe SE	Frankfurt	8IBZUGJ7JPLH368JE346	X	X	X	X	X
Goldman Sachs (India) Securities Private Limited	Mumbai	549300R0SMAPALLYQD57	X				
GUOSEN, Group							
Guosen Securities Co. Ltd.	Shenzhen	254900SSGIWSMEOHDN82	X				
Guosen Securities (HK) Brokerage Co., Ltd	Hong Kong	254900RJ1I0691ANYT88	X				
GUOTAI JUNAN, Group							
Guotai Junan Securities (Hong Kong) Ltd	Hong Kong	213800R9WTWHCWK9M627	X				
HUATAI, Group							
Huatai Financial Holdings (Hong Kong) Limited	Hong Kong	213800H1A9HWDO9TP892	X				
HSBC, Group							
HSBC Bank Plc	London	MP6I5ZYZBEU3UXPYFY54	X			X	X
HSBC Continental Europe	Paris	FOHUI1NY1AZMJMD8LP67	X	X		X	X
HSBC Securities and Capital Markets (India) Private Limited	Mumbai	213800JPRY6Q79O7RK98	X				
The Hongkong and Shanghai Banking Corporation Limited	Hong Kong	2HI3YI5320L3RW6NJ957	X				
HSBC Bank (China) Company Limited	Shanghai	2CZOJRADNJXBLT55G526	X				
IIFL, Group							
IIFL Securities Limited	Mumbai	335800DFGY67CJENRH26	X				
INDUSTRIAL AND COMMERCIAL BANK OF CHINA, Group							
Industrial and Commercial Bank of China Ltd	Beijing	5493002ERZU2K9PZDL40	X				
Industrial and Commercial Bank of China (Asia) Limited	Hong Kong	549300RB8ZUQ2Q05HJ15	X				
ICBC International Securities Limited	Hong Kong	254900ASE7KSYZL1P471	X				
ICBC Standard Bank Plc	London	F01VVK4DRF2NWKGO283	X				
ING, Group							
ING Bank N.V.	Amsterdam	3TK201VIUJ8J3ZU0QE75	X			X	X
INTERMONTE, Group							
Intermonte Sim S.p.A.	Milan	YMUU1WGHJKORF9E36I98	X				
INTESA SANPAOLO, Group							
Intesa Sanpaolo S.p.A.	Torino	2W8N8UU78PMDQKZENC08	X	X	X	X	
Intesa Sanpaolo Bank Ireland Plc	Dublin	635400PSMCTBZD9XNS47	X				

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Intesa Sanpaolo Bank Luxembourg S.A.	Luxembourg	549300H62SNDRT0PS319	X				
ITAU, Group							
Itaú Unibanco S.A.	Sao Paulo	BZO2P8KHO2O10H5OO663	X				
Itaú BBA International Plc	London	5493009ADHYKU8V9P697	X				
Itaú BBA Europe, S.A.	Lisbon	9845000C5D5E144DMB87	X				
J & E DAVY, Group							
J & E Davy	Dublin	63540061DPCBNMCGRY22	X				
JANE STREET, Group							
Jane Street Financial Ltd	London	549300ZHEHX8M31RP142	X				
Jane Street Netherlands B.V.	Amsterdam	549300AE0DWETJDYFB29	X				
JEFFERIES, Group							
Jefferies LLC	Los Angeles	58PU97L1COWSRCWADL48	X				
Jefferies International Limited	London	S5THZMDUJCTQZBTRVI98	X				
Jefferies India Private Limited	Mumbai	549300RYCNYHUWYKP329	X				
Jefferies GmbH	Frankfurt	5493004I3LZM39BWHQ75	X				
JP MORGAN, Group							
JP Morgan AG	Frankfurt	549300ZK53CNGEEI6A29	X	X	X	X	X
JP Morgan Chase Bank N.A.	New York	7H6GLXDRUGQFU57RNE97	X			X	
JP Morgan Dublin Plc	Dublin	549300Q5VVMOFZGJNF15	X				
JP Morgan Securities Plc	London	K6Q0W1PS1L1O4IQL9C32	X			X	X
JP Morgan Securities LLC	New York	ZBUT11V806EZRVWT807	X				
JP Morgan Corporación Financiera S.A.	Bogotá	549300HGG1HANHW7SB47	X				
JP Morgan Markets Limited	London	5493002SLHKGT77FYU25	X				
JP Morgan India Private Limited	Mumbai	5493003NTMEZM4AYVW24	X				
JP Morgan Securities Asia Private Limited.	Singapore	549300JC6I14Z5801517	X				
JSC VTB, Group							
VTB Bank Europe SE	Frankfurt	529900N90QS8ARRHWY83	X				
KEPLER CHEUVREUX, Group							
Kepler Cheuvreux	Paris	9695005EOZG9X81RJD84	X				
KOTAK, Group							
Kotak Securities Limited	Mumbai	335800UUZDPJ7XGOFU74	X				
LIQUIDNET, Group							
Liquidnet EU Limited	Dublin	2138005N5TO2UJR67I36	X				
LLOYDS BANK, Group							
Lloyds Bank Corporate Markets Wertpapierhandelsbank GmbH	Frankfurt	2138008P9NOMBRMROI73	X			X	
Lloyds Bank Plc	London	H7FNTJ4851HG0EXQ1Z70	X				X

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MACQUARIE, Group							
Macquarie Bank Limited	Sydney	4ZHCHI4KYZG2WVRT8631					X
MARKETAXESS, Group							
MarketAxess Capital Limited	London	529900CTXON8S5AOCB70	X				
MEDIOBANCA, Group							
MEDIOBANCA	Milan	PSNL19R2RXX5U3QWHI44	X	X		X	
MITSUBISHI UFJ, Group							
MUFG Securities EMEA plc	London	U7M81AY481YLIOR75625	X				
MUFG Securities (Europe) N.V.	Amsterdam	54930050SE0SM7CM2G07	X				X
MIZUHO FINANCIAL GROUP, Group							
Mizuho International Plc	London	213800HZ54TG54H2KV03	X				
Mizuho Securities Europe GmbH	Frankfurt	213800G8QEXN34A2YG53	X				
Mizuho Securities Asia Limited	Hong Kong	35380066IP7PQ32LZN84	X				
MORGAN STANLEY, Group							
Morgan Stanley & Co. LLC	New York	9R7GPTSO7KV3UQJZO078	X				
Morgan Stanley & Co. International Plc.	London	4PQUHN3JPFGFNF3BB653	X			X	X
Morgan Stanley Europe SE	Frankfurt	54930056FHWP7GIWYY08	X	X	X		X
Morgan Stanley Bank AG	Frankfurt	7CPI4ZQUQVBDH8SA1F44	X			X	
Morgan Stanley Bank, NA	Salt Lake City	G1MLHISON32I3QPILB75	X			X	
Morgan Stanley Bank International Limited	London	Z06S12H6N9QRJ8HHN626				X	
Morgan Stanley India Co. Pte Ltd.	Mumbai	OYO6KC46QF54MHNL5D43	X				
Morgan Stanley Taiwan Limited	Taiwan	549300UX7BN34UFIPA91	X				
MPS, Group							
MPS Capital Services Banca per le Imprese S.p.A.	Firenze	V3Z6EZ8Z6KSBJBFBIC58	X				
NOMURA HOLDINGS, Group							
Nomura International Plc.	London	DGQCSV2PHVF7I2743539	X				X
Nomura Financial Products Europe GmbH	Frankfurt	5493002XYZZ0CGO6CB58	X				
Nomura Securities International Inc.	New York	OXTKY6Q8X53C9ILVV871	X				
Instinet Europe Ltd.	London	213800MXAKR2LA1VBM44	X				
Instinet Germany GMBH	Frankfurt	213800A7BEQATAOUAN40	X				
NORTHERN TRUST, Group							
The Northern Trust Company	Chicago	6PTKHDJ8HDUF78PFWH30	X				
ODDO, Group							
Oddo BHF Sca	Paris	9695002I9DJHZ3449066	X				
OPTIVER, Group							
Optiver VoF	Amsterdam	7245009KRY SAYB2QCC29	X	X			

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ORIENT, Group							
Orient Securities Company Limited	Shanghai	300300E1005131000066	X				
OTCex, Group							
HPC SA	Paris	969500AMLHB21RACL168	X				
PARETO, Group							
Pareto Securities AS	Oslo	549300H0QDQHRJXRM779				X	
PIPAR JAFFRAY, Group							
Piper Sandler & Co.	New York	549300GRQCWQ3XGH0H10	X				
R.J. O'BRIEN, Group							
R.J. O'Brien France SAS	Paris	5493005C7D4YURSCIP31	X	X			
RABOBANK, Group							
Coöperatieve Rabobank U.A.	Utrecht	DG3RU1DBUFHT4ZF9WN62	X			X	X
ROBERT W. BAIRD, Group							
Robert W. Baird & Co. Inc.	Milwaukee	549300772UJAHRD6LO53	X				
ROYAL BANK OF CANADA, Group							
Royal Bank of Canada	Toronto	ES7IP3U3RHIGC71XBU11	X				X
RBC Capital Markets (Europe) GmbH	Frankfurt	549300SXSTGQY3EA1B18	X				
RBC Capital Markets, LLC	New York	549300LCO2FLSSVFFR64	X				
RBC Europe Limited	London	TXDSU46SXBWIGJ8G8E98	X				X
ROYAL BANK OF SCOTLAND, Group							
NatWest Markets Plc.	Edinburgh	RR3QWICWWIPCS8A4S074	X			X	
NatWest Markets N.V.	Amsterdam	X3CZP3CK64YBHON1LE12	X			X	X
RZB, Group							
Raiffeisen Bank International AG	Vienna	9ZHRYM6F437SQJ6OUG95	X				
SHANGHAI INTERNATIONAL, Group							
Shanghai Pudong Development Bank Co., Ltd.	Shanghai	300300C1031031001330	X				
SKANDINAVISKA, Group							
Skandinaviska Enskilda Banken AB	Stockholm	F3JS33DEI6XQ4ZBPTN86	X				X
SOCIETE GENERALE, Group							
Société Générale S.A.	Paris	O2RNE8IBXP4R0TD8PU41	X	X	X	X	X
SG Securities (HK) Limited	Hong Kong	549300X7ULDGXKFTX656	X				
STANDARD CHARTERED, Group							
Standard Chartered Bank	London	RILFO74KP1CM8P6PCT96	X				X
Standard Chartered Bank AG	Frankfurt	549300WDT1HWUMTUW770	X				
Standard Chartered Bank (China) Limited	Shanghai	549300VGE7QN15BPTZ72	X				
Standard Chartered Bank (Hong Kong) Limited	Hong Kong	X5AV1MBDXGRPXSUGMX13	X				



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STATE STREET, Group							
State Street Bank and Trust Company	Boston	571474TGEMMWANRLN572	X				
State Street Bank International GmbH	Munchen	ZMHGNT7ZPKZ3UFZ8EO46	X				X
SUMITOMO MITSUI FINANCIAL, Group							
SMBC Nikko Capital Markets Limited	London	G7WFA3G3MT5YHH8CHG81	X				
SMBC Nikko Securities (Hong Kong) Limited	Hong Kong	254900KF8E8L84LI7648	X				
SMBC Nikko Capital Markets Europe GmbH	Frankfurt	5493008794GM6YH5G766	X				
SUSQUEHANNA, Group							
Susquehanna International Securities Limited	Dublin	635400IAV22ZOU1NFS89	X	X			
THE BANK OF NOVA SCOTIA, Group							
The Bank of Nova Scotia	Toronto	L3I9ZG2KFGXZ61BMYR72					X
Scotiabank Europe Plc	London	5G6NVP4WADOI32VUUB17					X
TORONTO DOMINION, Group							
The Toronto Dominion Bank	Toronto	PT3QB789TSUIDF371261	X				
TD Global Finance unlimited	Dublin	F16C7E5PBUB3F9K43B44	X				
TPCG, Group							
TPCG Financial Services Agente de Valores S.A.	Uruguay	254900NWUJKO9QOWUU48	X				
TRADEWEB, Group							
Tradeweb Europe Limited	London	2138001WXZQOPMPA3D50	X				
TRADITION, Group							
Tradition Securities and Futures SA	Paris	969500ULCOY1IG0A4O72	X				
UBS, Group							
UBS A.G.	Zurich	BFM8T61CT2L1QCEMIK50	X			X	X
UBS Europe SE	Frankfurt	5299007QVIQ7IO64NX37	X	X	X	X	X
UNICREDIT, Group							
Unicredit Bank AG	Munchen	2ZCNRR8UK83OBTEK2170	X		X	X	X
VIRTU FINANCIAL, Group							
Virtu Americas LLC	New York	549300RA02N3BNSWBV74	X				
Virtu ITG Europe Limited	Dublin	213800EEC95PRUCEUP63	X				
WELLS FARGO, Group							
Wells Fargo Bank N.A.	Sioux Falls	KB1H1DSPRFMYMCUFXT09	X				
Wells Fargo Securities International Limited	London	BWS7DNS2Z4NPKPNYKL75	X				
Wells Fargo Securities Europe SA	Paris	549300AQWOOF7S8JFF80	X				
WESTPAC, Group							
Westpac Banking Corporation	Sydney	EN5TNI6CI43VEPAMHL14	X				
XP, Group							



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XP Investments US, LLC	New York	549300HDFLS7P433PO89	X				
XP Invest CCTVM	Sao Paulo	549300CO4Q7A6U0PDU26	X				
YUANTA, Group							
Yuanta Securities Company Ltd.	Taipei	213800DCGUIXGBT4KU10	X				
ZURCHER KANTONALBANK, Group							
Zürcher Kantonalbank	Zurich	165GRDQ39W63PHVONY02	X				X

Before using a counterparty listed above, the delegated investment manager shall ensure that the latter, in order to perform the required services, holds the necessary authorizations / licenses granted by any competent authority considering both its own location and the one of the counterparty.