

Please note that the location quoted for a particular member firm reflects the principal location of the securities financing business and not necessarily the legal domicile or location of its head office.

Company Name	Market Segment	Country
Aberdeen AM PLC	Beneficial Owner	United Kingdom
ABN AMRO Bank NV	Borrower	United Kingdom
ABN AMRO Clearing Bank NV	Borrower	Netherlands
Abu Dhabi Investment Authority (ADIA)	Beneficial Owner	United Arab Emirates
ADE Tax	Service Provider	United Kingdom
ADENZA	Service Provider	United Kingdom
Aegon Ltd	Beneficial Owner	Netherlands
AFME	Service Provider	United Kingdom
Allen Overy Shearman Sterling LLP	Service Provider	United Kingdom
Allied Irish Banks, p.l.c (AIB)	Borrower	Ireland
Alternative Investment Management Association (AIMA)	Trade Association	United Kingdom
Amundi Intermediation	Lender	France
ANZ	Borrower	Australia
aosphere	Service Provider	United Kingdom
Ashurst LLP	Service Provider	United Kingdom
Association of German Public Sector Banks (VOEB)	Trade Association	Germany
Attrax Financial Services S.A	Lender	Luxembourg
AustralianSuper	Lender	Australia
Aviva Investors PLC	Lender	United Kingdom
AXA IM Limited UK	Lender	United Kingdom
Banco Bilbao Vizcaya Argentaria S.S (BBVA)	Borrower	Spain
Banco Santander S.A.	Borrower	United Kingdom
Bank Julius Baer & Co. Ltd.	Lender	Switzerland

Company Name	Market Segment	Country
Bank Leumi le-Israel B.M.	Lender	Israel
Bank Lombard Odier & Co Ltd	Lender	Switzerland
Bank of America (BofA)	Borrower	United Kingdom
Bank of Montreal	Lender	United Kingdom
Bank of New York (BNY) - London Branch	Lender	United Kingdom
Bank of New York Collateral Management	Service Provider	Germany
Bank of Nova Scotia	Borrower	Canada
Banque et Caisse d'Epargne de l'Etat Luxembourg (BCEE)	Lender	Luxembourg
Barclays Capital Services Limited	Borrower	United Kingdom
Basler Kantonalbank	Borrower	Switzerland
Bayerische Landesbank	Borrower	Germany
Belfius Bank SA/NV	Borrower	Belgium
BlackRock Advisors (UK) Limited	Lender	United Kingdom
Bloomberg LP	Service Provider	United Kingdom
BNP Paribas SA (Prime Services)	Borrower	United Kingdom
BNP Paribas Securities Services (Lender)	Lender	United Kingdom
BNP Paribas Securities (Asia) Limited	Borrower	Japan
BNY	Lender	United States
BNY Mellon SA/NV	Service Provider	Belgium
Broadridge Financial Solutions Ltd	Service Provider	United Kingdom
Brown Brothers Harriman (HongKong) Ltd	Lender	Hong Kong
Brown Brothers Harriman Investor Services Ltd (BBH)	Lender	United Kingdom
Caceis Bank Luxembourg	Lender	Luxembourg
CaixaBank	Borrower	Spain
Cboe Clear Europe N.V.	Service Provider	Netherlands
Cecabank	Borrower	Spain
Charles Schwab & Co. Inc	Lender	United States

Company Name	Market Segment	Country
CIBC World Markets Inc.	Borrower	Canada
Citadel Group	Borrower	United Kingdom
CITIBANK NA (Lender)	Lender	United Kingdom
Citigroup Global Markets Limited (Borrower)	Borrower	United Kingdom
Clearstream Banking S.A	Lender	Luxembourg
Clifford Chance LLP	Service Provider	United Kingdom
Commerzbank Aktiengesellschaft	Borrower	Germany
Commonwealth Bank of Australia	Borrower	Australia
Cowen & Company LLC	Borrower	United States
Crédit Agricole Corporate and Investment Bank	Borrower	France
Credit Benchmark Limited	Service Provider	United Kingdom
Crédit Industriel et Commercial (CIC)	Borrower	France
D2 Legal Technology LLP	Service Provider	United Kingdom
Danske Bank A/S	Borrower	Denmark
DBS Bank Ltd	Lender	Singapore
Dekabank Deutsche Girozentrale	Lender	Germany
Deutsche Bank AG DCS (Lender)	Lender	United Kingdom
Deutsche Bank AG (Borrower)	Borrower	United Kingdom
Deutsche Pfandbriefbank	Lender	Germany
DNB Bank ASA	Borrower	Norway
DTCC (Depository Trust & Clearing Corporation)	Service Provider	United Kingdom
DWS Investment GmbH	Lender	Germany
DZ Bank AG	Borrower	Germany
Edaa (Securities Depository Centre)	Service Provider	Saudi Arabia
EFG Bank AG	Lender	Switzerland
EFG Holding	Lender	Kingdom of Saudi Arabia

Company Name	Market Segment	Country
Equilend Europe Ltd	Service Provider	United Kingdom
Erste Group Bank AG	Lender	Austria
eSecLending (Europe) Ltd	Lender	United Kingdom
Eurex Repo GmbH	CCP	Germany
Eurobank Ergasias	Borrower	Greece
Euroclear SA/NV	Service Provider	Belgium
Fidelity Capital Markets	Lender	United States
Fidelity Investments (FMR)	Lender	United States
FIL Investment Management Ltd (Fidelity International)	Beneficial Owner	United Kingdom
FinecoBank SpA	Borrower	Italy
First Abu Dhabi Bank PJSC	Borrower	United Arab Emirates
First International Bank Of Israel Ltd	Borrower	Israel
FIS Global Trading (UK) Ltd	Service Provider	United Kingdom
FIX Trading Community	Trade Association	United Kingdom
Fleishman-Hillard Inc	Service Provider	Belgium
Freshfields Bruckhaus Deringer	Service Provider	United Kingdom
GIC Pte Ltd	Beneficial Owner	Singapore
GLMX Europe Ltd	Service Provider	United Kingdom
Global Digital Finance	Service Provider	United Kingdom
Goldman Sachs Agency Lending	Lender	United Kingdom
Goldman Sachs Asset Management	Beneficial Owner	Netherlands
Goldman Sachs International (Borrower)	Borrower	United Kingdom
Hauck Aufhäuser Lampe Privatbank AG	Lender	Germany
HQLAχ	Service Provider	Luxembourg
HSBC Bank PLC (Agent Lender)	Lender	United Kingdom
HSBC Bank PLC (Borrower)	Borrower	United Kingdom
HSBC Holdings India	Lender	India

Company Name	Market Segment	Country
HSBC Ltd - Hong Kong	Lender	Hong Kong
IHS Markit Hong Kong Ltd	Service Provider	United States
ING Bank NV Singapore	Borrower	Singapore
ING Bank NV	Borrower	United Kingdom
International Capital Markets Association (ICMA)	Trade Association	United Kingdom
International Swaps and Derivatives Association	Trade Association	United States
Intesa Sanpaolo	Borrower	Italy
Investec Bank plc	Lender	United Kingdom
Ion Group	Service Provider	United Kingdom
Irish Funds Industry Association IFIA	Service Provider	Ireland
ISSA	Trade Association	Switzerland
Japan Post Bank Co Ltd	Lender	Japan
Jefferies HongKong Ltd	Lender	United States
Jefferies International Ltd	Borrower	United Kingdom
JP Morgan Chase Bank NA (Tri-Party)	Service Provider	United Kingdom
JP Morgan Europe Ltd (Lender)	Lender	United Kingdom
JP Morgan Securities Plc (Borrower)	Borrower	United Kingdom
Kaizen Reporting Ltd	Service Provider	United Kingdom
KBC Asset Management NV	Beneficial Owner	Belgium
KBC Bank NV	Lender	Belgium
Kinetix Trading Sols	Service Provider	United States
KLP Kapitalforvatning AS	Lender	Norway
Kuwait Investment Office (KIO)	Beneficial Owner	United Kingdom
Landesbank Baden - Wuerttemberg (LBBW)	Borrower	Germany
Latham & Watkins	Service Provider	United Kingdom
Legal & General Investment Management	Beneficial Owner	United Kingdom
Leonteq Securities AG	Borrower	Switzerland

Company Name	Market Segment	Country
Linklaters Business Services	Service Provider	United Kingdom
Lloyds TSB Bank plc	Borrower	United Kingdom
M&G Plc	Lender	United Kingdom
M. M. Warburg & Co.	Borrower	Germany
Macquarie Bank Limited	Borrower	United Kingdom
Marex	Borrower	United Kingdom
Mediobanca Banca Di Credito Finanziario S.p.A	Borrower	Italy
Merrill Lynch Asia Pacific Ltd	Borrower	United States
Mitsubishi UFJ Financial Group, Inc.	Lender	Japan
Mizuho International PLC (Lender)	Lender	United Kingdom
Mizuho Securities Co Ltd Japan (Borrower)	Borrower	Japan
MN Services	Beneficial Owner	Netherlands
Morgan Stanley & Co International plc	Borrower	United Kingdom
MPS Capital Services Banca Per Le Imprese SPA	Borrower	Italy
MUFG Fund Services (lender)	Lender	United Kingdom
MUFG Securities EMEA plc (Borrower)	Borrower	United Kingdom
Murex International Luxembourg	Service Provider	Luxembourg
National Australia Bank Ltd (NAB)	Borrower	United Kingdom
National Bank of Canada	Lender	Canada
National Bank of Greece	Borrower	Greece
Natixis	Borrower	France
NatWest Group	Borrower	United Kingdom
NatWest Markets Plc (RBS)	Borrower	Scotland
NBC Global Finance Limited	Borrower	Ireland
Nearwater Capital	Lender	United States
Nomura International PLC	Borrower	United Kingdom

Company Name	Market Segment	Country
Nordea Bank AB	Borrower	Sweden
Nordnet Bank AB	Beneficial Owner	Sweden
Norges Bank Investment Management (NBIM)	Beneficial Owner	Norway
Northcross Capital	Beneficial Owner	United Kingdom
Northern Trust Company	Lender	United Kingdom
NRW Bank	Borrower	Germany
Osler, Hoskin & Harcourt LLP	Service Provider	Canada
Osttra	Service Provider	UK
OTP Bank	Borrower	Hungary
Pan Asia Securities Lending Association (PASLA)	Trade Association	Hong Kong
PGGM Vermogensbeheer BV	Beneficial Owner	Netherlands
Pirum Systems Ltd	Service Provider	United Kingdom
Prudential Capital PLC	Lender	United Kingdom
Public Investment Fund	Beneficial Owner	Saudi Arabia
Q Market Makers LLC	Borrower	United Arab Emirates
Rabobank International	Borrower	Netherlands
Raiffeisen Bank International AG	Borrower	Austria
Raiffeisen Switzerland Cooperative	Borrower	Switzerland
Raiffeisenlandesbank NO-Wien AG	Borrower	Austria
RBC Investor and Treasury Services	Lender	Canada
REGnosys	Service Provider	United Kingdom
Risk Management Association	Service Provider	United States
Riyad Capital	Beneficial Owner	Saudi Arabia
Royal Bank of Canada (RBC)	Borrower	United Kingdom
S&P Global Market Intelligence	Service Provider	United Kingdom
Saudi Central Bank	Beneficial Owner	Saudi Arabia

Company Name	Market Segment	Country
Sharegain	Lender	United Kingdom
SIFMA	Service Provider	United States
Six Repo AG	Service Provider	Switzerland
Skandinaviska Enskilda Banken (SEB)	Borrower	Sweden
Slaughter and May	Service Provider	United Kingdom
SMBC Nikko Securities Inc	Borrower	Japan
SNB Capital	Lender	Saudi Arabia
Société Générale (Corporate Investment Banking) (Borrower)	Borrower	United Kingdom
Standard Bank SA	Lender	South Africa
Standard Chartered Bank	Lender	United Kingdom
State Street Bank and Trust Company	Lender	United Kingdom
State Street Collateral +	Service Provider	United Kingdom
Sumitomo Mitsui Trust Bank (U.S.A.) Limited	Lender	United States
Sumitomo Mitsui Trust Bank, Limited (SuMiTB)	Beneficial Owner	Japan
Susquehanna Pacific Pty Ltd	Borrower	Ireland
Svenska Handelsbanken AB	Lender	Sweden
Swedbank AB	Lender	Sweden
Swiat GmbH	Service Provider	Germany
Swiss Reinsurance Company Ltd	Lender	Switzerland
Swissquote Bank Europe SA	Lender	Luxembourg
Takasbank	CCP	Turkey
Tokenovate	Service Provider	United Kingdom
Toronto-Dominion Bank	Borrower	Canada
Trading Apps Ltd	Service Provider	United Kingdom
Travers Smith LLP	Service Provider	United Kingdom
UBS AG London branch (Borrower)	Borrower	United Kingdom



Company Name	Market Segment	Country
UBS AG Swiss branch (Lender)	Lender	Switzerland
UKSIF	Trade Association	United Kingdom
UniCredit Bank AG	Borrower	Germany
Union Investment Privatfonds GmbH	Lender	Germany
United Overseas Bank Ltd	Borrower	Singapore
Vanguard Group Inc	Beneficial Owner	United Kingdom
VOB-Service GmbH	Service Provider	Germany
Vontobel AG	Borrower	Switzerland
Wells Fargo Securities	Borrower	United States
Wematch	Service Provider	Israel
Zurcher Kantonal Bank (ZKB)	Borrower	Switzerland