

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	Beneficial Owner	United Kingdom
ABNAMRO BankNV	Borrower	United Kingdom
Abu Dhabi InvestmentAuthority	Beneficial Owner	UAE
Adenza	Service Provider	United Kingdom
ADE Tax	Service Provider	United Kingdom
Aegon Asset Management	Beneficial Owner	Netherlands
Allen& Overy LLP	Service Provider	United Kingdom
Allied IrishBanksPLC	Borrower	Ireland
Alternative Investment Management Association	Trade Association	United Kingdom
Amundi Intermediation	Lender	France
Ashurst LLP	Service Provider	United Kingdom
Associationof German PublicSector Banks (VOEB)	Trade Association	Germany
Australiaand New ZealandBanking Group (ANZ)	Borrower	Australia
Aviva Investors	Lender	United Kingdom
AXA IM UK	Lender	United Kingdom
Banco Santander SA	Borrower	Spain
BankJulius Baer & Co Ltd	Lender	Switzerland
Bank Leumi le-IsraelB.M	Lender	Israel
Bank LombardOdier & Co Ltd	Lender	Switzerland
Bank of America(BofA)	Borrower	United Kingdom
Bank of Montreal	Lender	United Kingdom
Bank of New York Collateral Management	Service Provider	United Kingdom
Bank of New York Mellon(BNY) London Branch	Lender	United Kingdom

Bankof Nova Scotia	Borrower	Canada
Bank Vontobel AG	Borrower	Switzerland
Banque et Caisse d'Epargne de l'Etat Luxembourg (BCEE)	Lender	Luxembourg
BarclaysCapital Services Ltd	Borrower	United Kingdom
Basler Kantonalbank	Borrower	Switzerland
Bayerische Landesbank	Borrower	Germany
BBVA	Borrower	Spain
BCS Prime Brokerage Ltd	Borrower	United Kingdom
BelfiusBank SA/NV	Borrower	Belgium
BlackrockAdvisors (UK) Ltd	Lender	United Kingdom
Bloomberg	Service Provider	United Kingdom
BNP ParibasSA (Prime Brokerage)	Borrower	United Kingdom
BNP Paribas Securities Services	Lender	United Kingdom
BNP ParibasTri-Party	Service Provider	France
Broadridge/4Sight Financial Software Ltd	Service Provider	Scotland
Brown Brothers Harriman Investor Services Ltd	Lender	United Kingdom
BTD InternationalFund House	Lender	Turkey
Caceis	Lender	France
Caixabank SA	Borrower	Spain
CIBC World Markets Inc	Borrower	Canada
Citadel Group	Borrower	United Kingdom
Citibank NA	Lender	United Kingdom
Citigroup Global Markets Limited	Borrower	United Kingdom
ClearstreamBanking S.A	Service Provider	Luxembourg
Clifford Chance LLP	Service Provider	United Kingdom
Commerzbank AG	Borrower	Germany

CommonwealthBank of Australia	Borrower	Australia
Cowen & Co LLC	Borrower	USA
Credit Agricole Corporate & Investment Bank	Borrower	France
Credit Benchmark Ltd	Service Provider	United Kingdom
Credit Industriel et Commercial	Borrower	France
Credit Suisse AG	Lender	Switzerland
Credit Suisse Securities (Europe) Ltd	Borrower	United Kingdom
D2 Legal Technology	Service Provider	United Kingdom
Danske Bank	Borrower	Denmark
DBS Bank Ltd	Lender	Singapore
Dekabank Deutsche Girozentrale	Lender	Germany
Delta Capita	Service Provider	United Kingdom
Deloitte	Service Provider	United Kingdom
Deutsche Bank AG	Borrower	United Kingdom
Deutsche Bank AG DCS	Lender	United Kingdom
Deutsche Pfandbriefbank AG	Lender	Germany
DNB Bank ASA	Borrower	Norway
DTCC	Service Provider	United Kingdom
DWS Investment GmbH	Lender	Germany
DZ Bank	Borrower	Germany
EFG Bank AG	Lender	Switzerland
EquiLend Europe Ltd	Service Provider	United Kingdom
Erste Group Bank AG	Lender	Austria
eSecLending (Europe) Ltd	Lender	United Kingdom
Eurex Repo GmbH (Deutsche Boerse)	Service Provider	United Kingdom
Eurobank Ergasias	Borrower	Greece
Euroclear SA/NV	Service Provider	Belgium

Fidelity International	Beneficial Owner	United Kingdom
Fidelity Management & Research -Boston	Lender	United States
FinecoBank SpA	Borrower	Italy
FIS Global	Service Provider	United Kingdom
FIX Trading Community	Trade Association	United Kingdom
Freshfields Bruckhaus Deringer	Service Provider	United Kingdom
Global Digital Finance (GDF)	Trade Association	United Kingdom
GIC Pte Ltd	Beneficial Owner	Singapore
GLMX	Service Provider	United Kingdom
Goldman Sachs Agency Lending	Lender	United Kingdom
Goldman Sachs International	Borrower	United Kingdom
Hauck & Aufhauser Privatbankiers AG	Lender	Germany
Hidden Road	Lender	United Kingdom
HQLA ^x	Service Provider	Luxembourg
HSBC Bank PLC	Lender	United Kingdom
HSBC Investment Bank	Borrower	United Kingdom
ING Bank NV	Borrower	United Kingdom
International Capital Markets Association (ICMA)	Trade Association	United Kingdom
International Securities Services Association (ISSA)	Trade Association	Switzerland
International Swaps and Derivatives Association (ISDA)	Trade Association	United States
Intesa Sanpaolo	Borrower	Italy
Investec	Lender	United Kingdom
Japan Post Bank Co Ltd	Lender	Japan
Jefferies	Borrower	United Kingdom
JP Morgan Bank Luxembourg	Service Provider	United Kingdom
JP Morgan Chase Bank NA	Lender	United Kingdom

JP Morgan SecuritiesPLC	Borrower	United Kingdom
Kaizen ReportingLtd	Service Provider	United Kingdom
KBC Asset Management NV	Beneficial Owner	Belgium
KBC Bank NV	Lender	Belgium
KLP Kapitalforvaltning	Lender	Norway
Kuwait Investment Office	Beneficial Owner	United Kingdom
Landesbank Baden-Wuerttemberg (LBBW)	Borrower	Germany
Latham & WatkinsLLP	Service Provider	United Kingdom
Leonteq Securities AG	Borrower	Switzerland
Linklaters Business Services	Service Provider	United Kingdom
Lloyds TSB Bank PLC	Borrower	United Kingdom
M&G Investments	Lender	United Kingdom
M. M WarburgCo	Borrower	Germany
Macquarie Bank Ltd	Borrower	United Kingdom
MarketAxess	Service Provider	United Kingdom
MediobancaBanca di Credito Finanziario SpA	Borrower	Italy
Mediolanum InternationalFunds Ltd (MIFL)	Beneficial Owner	Ireland
Mitsubishi UFJ SecuritiesInt’l PLC	Borrower	United Kingdom
Mitsubishi UFJ Trust International Ltd	Lender	United Kingdom
Mizuho InternationalPLC	Lender	United Kingdom
MizuhoSecurities Co Ltd	Borrower	Japan
MN Services	Beneficial Owner	Netherlands
Morgan Stanley& Co International PLC	Borrower	United Kingdom
Morrison & Foerster LLP	Service Provider	United Kingdom
MPSCapitalServicesBanca per le Imprese SpA	Borrower	Italy
MUFG InvestorServices	Lender	United Kingdom

Murex International Luxembourg	Service Provider	Luxembourg
NationalAustralia Bank Ltd	Borrower	United Kingdom
Natixis	Borrower	France
NatWestMarkets PLC	Borrower	United Kingdom
NBC GlobalFinance	Borrower	Ireland
NN Investment Partners BV	Beneficial Owner	Netherlands
Nomura International PLC	Borrower	United Kingdom
Nordea Bank AB	Borrower	Finland
Nordnet	Beneficial Owner	Sweden
Norges Bank Investment Management	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
PWC	Service Provider	Germany
PGGM Vermogensbeheer BV	Beneficial Owner	Netherlands
Pirum Systems Ltd	Service Provider	United Kingdom
Rabobank	Borrower	Netherlands
Raiffeisen Bank International	Borrower	Austria
Raiffeisenlandesbank Niederosterr Eich-Wien AG	Borrower	Austria
RBC Investor & Treasury Services	Lender	United Kingdom
REGnosys	Service Provider	United Kingdom

Royal Bank of Canada (RBC)	Borrower	United Kingdom
S & P Global	Service Provider	United Kingdom
Securities Depository Center Company	Service Provider	Saudi Arabia
Sharegain	Lender	United Kingdom
Six SIS ManagementAG	Service Provider	Switzerland
Skandinaviska Enskilda Banken (SEB)	Borrower	Sweden
Slaughter & May	Service Provider	United Kingdom
SmartDX	Service Provider	United Kingdom
SMBC Nikko Securities Inc	Borrower	Japan
SNB Capital	Lender	Saudi Arabia
Societe Generale	Borrower	France
Standard Chartered Bank	Lender	United Kingdom
State Street Bank & Trust Company	Lender	United Kingdom
State Street Collateral +	Service Provider	United Kingdom
Stone -X	Borrower	United Kingdom
Sumitomo Mitsui TrustBank (Japan) Ltd	Beneficial Owner	Japan
Sumitomo Mitsui TrustBank (USA) Ltd	Lender	United States
Susquehanna International Group LLP	Borrower	Ireland
Svenska HandelsbankenAB	Lender	Sweden
Swedbank AB	Lender	Sweden
SwissquoteBank Europe SA	Lender	Luxembourg
Swiss Reinsurance CompanyLtd	Lender	Switzerland
Tradeweb	Service Provider	United Kingdom
The Saudi Central Bank	Beneficial Owner	Saudi Arabia
TradingApps	Service Provider	United Kingdom
Travers Smith	Service Provider	United Kingdom

UBS AG	Lender	Switzerland
UBS AG London Branch	Borrower	United Kingdom
UK Sustainable Investment and Finance Association (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
Wells Fargo Securities	Borrower	United States
Wematch.live	Service Provider	United Kingdom
White & Case	Service Provider	United Kingdom
Zodia Custody	Lender	United Kingdom
Zodia Markets	Lender	United Kingdom
Zürcher Kantonal Bank	Borrower	Switzerland