

Turquoise Liquidity Provision Scheme Registrations

Updated: 25/06/2015

Symbol	Name	Schedule A	Schedule B
A2Am	A2A SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AALBa	AALBERTS INDUSTRIES NV		Virtu Financial Ireland Ltd
AALI	ANGLO AMERICAN PLC		Virtu Financial Ireland Ltd
ABBNz	ABB LTD-REG		Société Générale SA Virtu Financial Ireland Ltd
ABEe	ABERTIS INFRAESTRUCTURAS SA		Société Générale SA Virtu Financial Ireland Ltd
ABFI	ASSOCIATED BRITISH FOODS PLC		Virtu Financial Ireland Ltd
ABGe	ABENGOA SA		Virtu Financial Ireland Ltd
ABlb	ANHEUSER-BUSCH INBEV NV	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
ACAp	CREDIT AGRICOLE SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ACKBb	ACKERMANS & VAN HAAREN		Virtu Financial Ireland Ltd
ACp	ACCOR SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ACSe	ACS ACTIVIDADES CONS Y SERV		Société Générale SA Virtu Financial Ireland Ltd
ACXe	ACERINOX SA		Virtu Financial Ireland Ltd
ADENz	ADECCO SA-REG		Société Générale SA Virtu Financial Ireland Ltd
ADMI	ADMIRAL GROUP PLC		Virtu Financial Ireland Ltd
ADNI	ABERDEEN ASSET MGMT		Virtu Financial Ireland Ltd



Symbol	Name	Schedule A	Schedule B
	PLC		
ADPp	ADP		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ADSd	ADIDAS AG		Société Générale SA Virtu Financial Ireland Ltd
AFp	AIR FRANCE-KLM		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AGKI	AGGREKO PLC		Virtu Financial Ireland Ltd
AGLm	AUTOGRILL SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AGNa	AEGON NV		Société Générale SA Virtu Financial Ireland Ltd
AGSb	AGEAS		Virtu Financial Ireland Ltd
AHa	KONINKLIJKE AHOLD NV		Société Générale SA Virtu Financial Ireland Ltd
AHTI	ASHTeAD GROUP PLC		Virtu Financial Ireland Ltd
Alp	AIR LIQUIDE SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AIXAd	AIXTRON SE		Virtu Financial Ireland Ltd
AKEp	ARKEMA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AKSOo	AKER SOLUTIONS ASA		Virtu Financial Ireland Ltd
AKZAa	AKZO NOBEL		Société Générale SA Virtu Financial Ireland Ltd
ALOp	ALSTOM	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALTp	ALTRAN TECHNOLOGIES SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALUp	ALCATEL-LUCENT		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ALVd	ALLIANZ SE-REG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
AMGa	AMG ADVANCED METALLURGICAL		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
AMLI	AMLIN PLC		Virtu Financial Ireland Ltd
AMPm	AMPLIFON SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AMSe	AMADEUS IT HOLDING SA-A SHS		Société Générale SA Virtu Financial Ireland Ltd
ANAe	ACCIONA SA		Société Générale SA Virtu Financial Ireland Ltd
ANDRv	ANDRITZ AG		Virtu Financial Ireland Ltd
ANTOI	ANTOFAGASTA PLC		Virtu Financial Ireland Ltd
APAMa	APERAM		Virtu Financial Ireland Ltd
ARCADa	ARCADIS NV		Virtu Financial Ireland Ltd
AREVAp	AREVA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ARLd	AAREAL BANK AG		Virtu Financial Ireland Ltd
ARMI	ARM HOLDINGS PLC		Virtu Financial Ireland Ltd
ASHMI	ASHMORE GROUP PLC		Virtu Financial Ireland Ltd
ASMa	ASM INTERNATIONAL NV		Virtu Financial Ireland Ltd
ASMLa	ASML HOLDING NV		Société Générale SA Virtu Financial Ireland Ltd
ATEAo	ATEA ASA		Virtu Financial Ireland Ltd
ATEp	ALTEN		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATLm	ATLANTIA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATLNz	ACTELION LTD-REG		Société Générale SA Virtu Financial Ireland Ltd
ATOp	ATOS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ATSTI	ALLIANCE TRUST PLC		Virtu Financial Ireland Ltd
AVI	AVIVA PLC		Virtu Financial Ireland Ltd
AVVI	AVEVA GROUP PLC		Virtu Financial Ireland Ltd
AZMm	AZIMUT HOLDING SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AZNI	ASTRAZENECA PLC		Virtu Financial Ireland Ltd
BABI	BABCOCK INTL GROUP PLC		Virtu Financial Ireland Ltd
BAERz	JULIUS BAER GROUP LTD		Société Générale SA Virtu Financial Ireland Ltd
BAI	BAE SYSTEMS PLC		Virtu Financial Ireland Ltd
BAMNBa	KONINKLIJKE BAM GROEP		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
	NV		
BARCI	BARCLAYS PLC		Virtu Financial Ireland Ltd
BASd	BASF SE	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
BATSI	BRITISH AMERICAN TOBACCO PLC		Virtu Financial Ireland Ltd
BAYNd	BAYER AG-REG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
BBAI	BBA AVIATION PLC		Virtu Financial Ireland Ltd
BBEDa	BETER BED HOLDING NV		Virtu Financial Ireland Ltd
BBp	SOCIETE BIC SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BBVAe	BANCO BILBAO VIZCAYA ARGENTA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
BBYI	BALFOUR BEATTY PLC		Virtu Financial Ireland Ltd
BDEVI	BARRATT DEVELOPMENTS PLC		Virtu Financial Ireland Ltd
BEFBb	BEFIMMO		Virtu Financial Ireland Ltd
BEId	BEIERSDORF AG		Société Générale SA Virtu Financial Ireland Ltd
BEKBb	BEKAERT NV		Virtu Financial Ireland Ltd
BELGb	BELGACOM SA		Virtu Financial Ireland Ltd
BESu	BANCO ESPIRITO SANTO-REG		Virtu Financial Ireland Ltd
BGI	BG GROUP PLC		Virtu Financial Ireland Ltd
BIMp	BIOMERIEUX		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BINCKa	BINCKBANK NV		Virtu Financial Ireland Ltd
BKGI	BERKELEY GROUP HOLDINGS		Virtu Financial Ireland Ltd
BKIAe	BANKIA SA		Société Générale SA Virtu Financial Ireland Ltd
BKTe	BANKINTER SA		Société Générale SA Virtu Financial Ireland Ltd
BLNDI	BRITISH LAND CO PLC		Virtu Financial Ireland Ltd
BLTI	BHP BILLITON PLC		Virtu Financial Ireland Ltd
BMEe	BOLSAS Y MERCADOS ESPANOLES		Société Générale SA Virtu Financial Ireland Ltd
BMPsm	BANCA MONTE DEI PASCHI SIENA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

Symbol	Name	Schedule A	Schedule B
BMW3d	BAYERISCHE MOTOREN WERKE-PRF		Virtu Financial Ireland Ltd
BMWd	BAYERISCHE MOTOREN WERKE AG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
BNp	DANONE	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BNPp	BNP PARIBAS	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BNRd	BRENNTAG AG		Virtu Financial Ireland Ltd
BNZLI	BUNZL PLC		Virtu Financial Ireland Ltd
BOKAa	BOSKALIS WESTMINSTER		Société Générale SA Virtu Financial Ireland Ltd
BOKI	BOOKER GROUP PLC		Virtu Financial Ireland Ltd
BOLp	BOLLORE		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BOSSd	HUGO BOSS AG -ORD		Virtu Financial Ireland Ltd
BOYI	BODYCOTE PLC		Virtu Financial Ireland Ltd
BPEm	BANCA POPOL EMILIA ROMAGNA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BPlu	BANCO BPI SA.- REG SHS		Virtu Financial Ireland Ltd
BPI	BP PLC		Virtu Financial Ireland Ltd
BPm	BANCO POPOLARE SC		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BPSOm	BANCA POPOLARE DI SONDRIO		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BPTYI	BWIN.PARTY DIGITAL ENTERTAIN		Virtu Financial Ireland Ltd
BRBYI	BURBERRY GROUP PLC		Virtu Financial Ireland Ltd
BREm	BREMBO SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BRNLa	BRUNEL INTERNATIONAL		Virtu Financial Ireland Ltd
BRWMI	BLACKROCK WORLD MINING TRUST		Virtu Financial Ireland Ltd
BTGI	BTG PLC		Virtu Financial Ireland Ltd
BTI	BT GROUP PLC		Virtu Financial Ireland Ltd
BVICI	BRITVIC PLC		Virtu Financial Ireland Ltd
BVIp	BUREAU VERITAS SA		BNP Paribas Arbitrage Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BWNGI	BROWN (N) GROUP PLC		Virtu Financial Ireland Ltd
BWYI	BELLWAY PLC		Virtu Financial Ireland Ltd
BZUm	BUZZI UNICEM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CABKe	CAIXABANK S.A		Société Générale SA Virtu Financial Ireland Ltd
CAIv	CA IMMOBILIEN ANLAGEN AG		Virtu Financial Ireland Ltd
CAPp	CARREFOUR SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CAPCI	CAPITAL & COUNTIES PROPERTIE		Virtu Financial Ireland Ltd
CAPp	CAP GEMINI		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CARLBc	CARLSBERG AS-B		Virtu Financial Ireland Ltd
CBGI	CLOSE BROTHERS GROUP PLC		Virtu Financial Ireland Ltd
CBKd	COMMERZBANK AG		Société Générale SA Virtu Financial Ireland Ltd
CCLI	CARNIVAL PLC		Virtu Financial Ireland Ltd
CDIp	CHRISTIAN DIOR SE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CEYI	CENTAMIN PLC		Virtu Financial Ireland Ltd
CFAOp	CFAO		Virtu Financial Ireland Ltd
CFRz	CIE FINANCIERE RICHEMON- REG		Société Générale SA Virtu Financial Ireland Ltd
CGGp	CGG		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CHGI	CHEMRING GROUP PLC		Virtu Financial Ireland Ltd
CHRc	CHR HANSEN HOLDING A/S		Virtu Financial Ireland Ltd
CIRm	CIR SPA		Virtu Financial Ireland Ltd
CLLNI	CARILLION PLC		Virtu Financial Ireland Ltd
CLS1d	CELESIO AG		Virtu Financial Ireland Ltd
CNAI	CENTRICA PLC		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
CNEI	CAIRN ENERGY PLC		Virtu Financial Ireland Ltd
CNPp	CNP ASSURANCES		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
COBI	COBHAM PLC		Virtu Financial Ireland Ltd
COFBb	COFINIMMO		Virtu Financial Ireland Ltd
COLOBc	COLOPLAST-B		Virtu Financial Ireland Ltd
COLRb	COLRUYT SA		Virtu Financial Ireland Ltd
CONd	CONTINENTAL AG		Société Générale SA Virtu Financial Ireland Ltd
COp	CASINO GUICHARD PERRACHON		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
COXp	NICOX SA		Virtu Financial Ireland Ltd
CPGI	COMPASS GROUP PLC		Virtu Financial Ireland Ltd
CPII	CAPITA PLC		Virtu Financial Ireland Ltd
CPRm	DAVIDE CAMPARI-MILANO SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CRDAI	CRODA INTERNATIONAL PLC		Virtu Financial Ireland Ltd
CRGi	CRH PLC		Virtu Financial Ireland Ltd
CRGm	BANCA CARIGE SPA		Virtu Financial Ireland Ltd
CRHI	CRH PLC		Virtu Financial Ireland Ltd
CSGNz	CREDIT SUISSE GROUP AG- REG		Société Générale SA Virtu Financial Ireland Ltd
CSp	AXA SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CSRI	CSR PLC		Virtu Financial Ireland Ltd
CWCI	CABLE & WIRELESS COMMUNICATI		Virtu Financial Ireland Ltd
CWlv	CONWERT IMMOBILIEN INVEST SE		Virtu Financial Ireland Ltd
DAId	DAIMLER AG-REGISTERED SHARES	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
DANm	DANIELI & CO		Virtu Financial Ireland Ltd
DANSKc	DANSKE BANK A/S		Virtu Financial Ireland Ltd
DB1d	DEUTSCHE BOERSE AG		Société Générale SA Virtu Financial Ireland Ltd
DBKd	DEUTSCHE BANK AG- REGISTERED	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
DEBI	DEBENHAMS PLC		Virtu Financial Ireland Ltd
DECp	JC DECAUX SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DELBb	DELHAIZE GROUP		Virtu Financial Ireland Ltd
DEQd	DEUTSCHE EUROSHP AG		Virtu Financial Ireland Ltd
DETNOo	DET NORSKE OLJESELSKAP ASA		Virtu Financial Ireland Ltd
DEZd	DEUTZ AG		Virtu Financial Ireland Ltd
DGEI	DIAGEO PLC		Virtu Financial Ireland Ltd
DGp	VINCI SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DIAe	DISTRIBUIDORA INTERNACIONAL		Société Générale SA Virtu Financial Ireland Ltd
DIAI	DIALIGHT PLC		Virtu Financial Ireland Ltd
DIAm	DIASORIN SPA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DIEb	D'IETEREN SA/NV		Virtu Financial Ireland Ltd
DLa	DELTA LLOYD NV		Société Générale SA Virtu Financial Ireland Ltd
DLARI	DE LA RUE PLC		Virtu Financial Ireland Ltd
DLGd	DIALOG SEMICONDUCTOR PLC		Virtu Financial Ireland Ltd
DLNI	DERWENT LONDON PLC		Virtu Financial Ireland Ltd
DMGTI	DAILY MAIL&GENERAL TST-A NV		Virtu Financial Ireland Ltd
DNBo	DNB ASA		Virtu Financial Ireland Ltd
DNOo	DNO INTERNATIONAL ASA		Virtu Financial Ireland Ltd
DNORDc	D/S NORDEN		Virtu Financial Ireland Ltd
DOMI	DOMINO'S PIZZA GROUP PLC		Virtu Financial Ireland Ltd
DPBd	DEUTSCHE POSTBANK AG		Virtu Financial Ireland Ltd
DPWd	DEUTSCHE POST AG-REG		Société Générale SA Virtu Financial Ireland Ltd
DRId	DRILLISCH AG		Virtu Financial Ireland Ltd
DRXI	DRAX GROUP PLC		Virtu Financial Ireland Ltd
DSMa	KONINKLIJKE DSM NV		Société Générale SA Virtu Financial Ireland Ltd
DSVc	DSV A/S		Virtu Financial Ireland Ltd
DSYp	DASSAULT SYSTEMES SA		BNP Paribas Arbitrage Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DTEd	DEUTSCHE TELEKOM AG-REG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
DVOI	DEVRO PLC		Virtu Financial Ireland Ltd
DWNId	DEUTSCHE WOHNEN AG-BR		Virtu Financial Ireland Ltd
EBROe	EBRO FOODS SA		Virtu Financial Ireland Ltd
EBSv	ERSTE GROUP BANK AG		Virtu Financial Ireland Ltd
ECMI	ELECTROCOMPONENTS PLC		Virtu Financial Ireland Ltd
ECMPAa	EUROCOMMERCIAL PROPERTIE-CV		Virtu Financial Ireland Ltd
EDENp	EDENRED		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EDFp	EDF		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EDINI	EDINBURGH INVESTMENT TRUST		Virtu Financial Ireland Ltd
EDPRu	EDP RENOVAVEIS SA		Virtu Financial Ireland Ltd
EDPu	EDP-ENERGIAS DE PORTUGAL SA		Virtu Financial Ireland Ltd
EGLu	MOTA ENGIL SGPS SA		Virtu Financial Ireland Ltd
EGPWm	ENEL GREEN POWER SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
Elp	ESSILOR INTERNATIONAL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ELEe	ENDESA SA		Société Générale SA Virtu Financial Ireland Ltd
ELEp	EULER HERMES SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ELIb	ELIA SYSTEM OPERATOR SA/NV		Virtu Financial Ireland Ltd
ELMI	ELEMENTIS PLC		Virtu Financial Ireland Ltd
EMGI	MAN GROUP PLC		Virtu Financial Ireland Ltd
ENELm	ENEL SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENGe	ENAGAS SA		Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd
ENIm	ENI SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENp	BOUYGUES SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENQI	ENQUEST PLC		Virtu Financial Ireland Ltd
EOANd	E.ON SE	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
EOp	FAURECIA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ERAp	ERAMET		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ERFp	EUROFINS SCIENTIFIC		Virtu Financial Ireland Ltd
ERGm	ERG SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ESm	GRUPPO EDITORIALE L'ESPRESSO		Virtu Financial Ireland Ltd
ETLp	EUTELSAT COMMUNICATIONS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EVNv	EVN AG		Virtu Financial Ireland Ltd
EVRAI	EVRAZ PLC		Virtu Financial Ireland Ltd
EVTd	EVOTEC AG		Virtu Financial Ireland Ltd
EXOm	EXOR SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
EXPNI	EXPERIAN PLC		Virtu Financial Ireland Ltd
EZJI	EASYJET PLC		Virtu Financial Ireland Ltd
FCCe	FOMENTO DE CONSTRUCC Y CONTRA		Société Générale SA Virtu Financial Ireland Ltd
FDRp	FONCIERE DES REGIONS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FENRI	FENNER PLC		Virtu Financial Ireland Ltd
FERe	FERROVIAL SA		Société Générale SA Virtu Financial Ireland Ltd
FGPI	FIRSTGROUP PLC		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
FGRp	EIFFAGE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FLSc	FLSMIDTH & CO A/S		Virtu Financial Ireland Ltd
FMEd	FRESENIUS MEDICAL CARE AG &		Société Générale SA Virtu Financial Ireland Ltd
FNCm	FINMECCANICA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FNTNd	FREENET AG		Virtu Financial Ireland Ltd
FOEo	FRED OLSEN ENERGY ASA		Virtu Financial Ireland Ltd
FPE3d	FUCHS PETROLUB SE -PREF		Virtu Financial Ireland Ltd
FPp	TOTAL SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FRAd	FRAPORT AG FRANKFURT AIRPORT		Virtu Financial Ireland Ltd
FRCLI	FOREIGN & COLONIAL INVEST TR		Virtu Financial Ireland Ltd
FREd	FRESENIUS SE & CO KGAA		Société Générale SA Virtu Financial Ireland Ltd
FRESI	FRESNILLO PLC		Virtu Financial Ireland Ltd
FROo	FRONTLINE LTD		Virtu Financial Ireland Ltd
FRp	VALEO SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FURa	FUGRO NV-CVA		Société Générale SA Virtu Financial Ireland Ltd
FXPOI	FERREXPO PLC		Virtu Financial Ireland Ltd
G1Ad	GEA GROUP AG		Virtu Financial Ireland Ltd
GALPu	GALP ENERGIA SGPS SA		Virtu Financial Ireland Ltd
GAMe	GAMESA CORP TECNOLOGICA SA		Société Générale SA Virtu Financial Ireland Ltd
GASe	GAS NATURAL SDG SA		Société Générale SA Virtu Financial Ireland Ltd
GBBp	BOURBON SA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GBFd	BILFINGER SE		Virtu Financial Ireland Ltd
GBLBb	GROUPE BRUXELLES LAMBERT SA		Virtu Financial Ireland Ltd
GCCi	C&C GROUP PLC		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
GEBNz	GEBERIT AG-REG		Société Générale SA Virtu Financial Ireland Ltd
GEOm	GEOX SPA		Virtu Financial Ireland Ltd
GETp	GROUPE EUROTUNNEL SE - REGR		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GFCp	GECINA SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GFJd	GAGFAH SA		Virtu Financial Ireland Ltd
GFSI	G4S PLC		Virtu Financial Ireland Ltd
GILd	DMG MORI AG		Virtu Financial Ireland Ltd
GIVNz	GIVAUDAN-REG		Société Générale SA Virtu Financial Ireland Ltd
GJFo	GJENSIDIGE FORSIKRING ASA		Virtu Financial Ireland Ltd
GKNI	GKN PLC		Virtu Financial Ireland Ltd
GLENI	GLENCORE PLC		Virtu Financial Ireland Ltd
GLEp	SOCIETE GENERALE SA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
Gm	ASSICURAZIONI GENERALI	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GNc	GN STORE NORD A/S		Virtu Financial Ireland Ltd
GNKI	GREENE KING PLC		Virtu Financial Ireland Ltd
GOGI	GO-AHEAD GROUP PLC		Virtu Financial Ireland Ltd
GOGLo	GOLDEN OCEAN GROUP LTD		Virtu Financial Ireland Ltd
GPORI	GREAT PORTLAND ESTATES PLC		Virtu Financial Ireland Ltd
GRFe	GRIFOLS SA		Société Générale SA Virtu Financial Ireland Ltd
GRONTa	GRONTMIJ		Virtu Financial Ireland Ltd
GSKI	GLAXOSMITHKLINE PLC		Virtu Financial Ireland Ltd
GSZp	ENGIE	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
GTOa	GEMALTO		Société Générale SA Virtu Financial Ireland Ltd
GXId	GERRESHEIMER AG		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
HASI	HAYS PLC		Virtu Financial Ireland Ltd
HAVp	HAVAS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
HDDd	HEIDELBERGER DRUCKMASCHINEN		Virtu Financial Ireland Ltd
HEIAa	HEINEKEN NV		Société Générale SA Virtu Financial Ireland Ltd
HEId	HEIDELBERGCEMENT AG		Société Générale SA Virtu Financial Ireland Ltd
HEIJMa	HEIJMANS N.V.-CVA		Virtu Financial Ireland Ltd
HEIOa	HEINEKEN HOLDING NV		Virtu Financial Ireland Ltd
HEN3d	HENKEL AG & CO KGAA VORZUG		Société Générale SA Virtu Financial Ireland Ltd
HENd	HENKEL AG & CO KGAA		Virtu Financial Ireland Ltd
HFDI	HALFORDS GROUP PLC		Virtu Financial Ireland Ltd
HGGI	HENDERSON GROUP PLC		Virtu Financial Ireland Ltd
HHFAd	HAMBURGER HAFEN UND LOGISTIK		Virtu Financial Ireland Ltd
HICLI	HICL INFRASTRUCTURE CO LTD		Virtu Financial Ireland Ltd
HIKI	HIKMA PHARMACEUTICALS PLC		Virtu Financial Ireland Ltd
HLI	HARGREAVES LANSDOWN PLC		Virtu Financial Ireland Ltd
HLMAI	HALMA PLC		Virtu Financial Ireland Ltd
HMSOI	HAMMERSON PLC		Virtu Financial Ireland Ltd
HNR1d	HANNOVER RUECK SE		Virtu Financial Ireland Ltd
HOCI	HOCHSCHILD MINING PLC		Virtu Financial Ireland Ltd
HOLNz	HOLCIM LTD-REG		Société Générale SA Virtu Financial Ireland Ltd
HOMEI	HOME RETAIL GROUP		Virtu Financial Ireland Ltd
HOp	THALES SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
HOTd	HOCHTIEF AG		Virtu Financial Ireland Ltd
HSBAI	HSBC HOLDINGS PLC		Virtu Financial Ireland Ltd
HSXI	HISCOX LTD		Virtu Financial Ireland Ltd
HTGI	HUNTING PLC		Virtu Financial Ireland Ltd
IAGe	INTL CONSOLIDATED AIRLINE-DI		Société Générale SA Virtu Financial Ireland Ltd
IAGI	INTL CONSOLIDATED AIRLINE-DI		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
IAPi	ICAP PLC		Virtu Financial Ireland Ltd
IBEE	IBERDROLA SA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
ICADp	ICADE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ICPI	INTERMEDIATE CAPITAL GROUP		Virtu Financial Ireland Ltd
IDRe	INDRA SISTEMAS SA		Société Générale SA Virtu Financial Ireland Ltd
IFXd	INFINEON TECHNOLOGIES AG		Société Générale SA Virtu Financial Ireland Ltd
IGGI	IG GROUP HOLDINGS PLC		Virtu Financial Ireland Ltd
IHGI	INTERCONTINENTAL HOTELS GROU		Virtu Financial Ireland Ltd
IIAv	IMMOFINANZ AG		Virtu Financial Ireland Ltd
IIII	3I GROUP PLC		Virtu Financial Ireland Ltd
ILDp	ILIAD SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IMa	ROYAL IMTECH NV		Virtu Financial Ireland Ltd
IMGI	IMAGINATION TECH GROUP PLC		Virtu Financial Ireland Ltd
IMII	IMI PLC		Virtu Financial Ireland Ltd
IMTI	IMPERIAL TOBACCO GROUP PLC		Virtu Financial Ireland Ltd
INCHI	INCHCAPE PLC		Virtu Financial Ireland Ltd
INFI	INFORMA PLC		Virtu Financial Ireland Ltd
INGAa	ING GROEP NV-CVA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
INGp	INGENICO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
INTUI	INTU PROPERTIES PLC		Virtu Financial Ireland Ltd
INVPI	INVESTEC PLC		Virtu Financial Ireland Ltd
IPFI	INTERNATIONAL PERSONAL FINAN		Virtu Financial Ireland Ltd
IPNp	IPSEN		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IPSp	IPSOS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ISATI	INMARSAT PLC		Virtu Financial Ireland Ltd
ISPM	INTESA SANPAOLO		BNP Paribas Arbitrage

Symbol	Name	Schedule A	Schedule B
			Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ISPRm	INTESA SANPAOLO-RSP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ITm	ITALCEMENTI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ITRKI	INTERTEK GROUP PLC		Virtu Financial Ireland Ltd
ITVI	ITV PLC		Virtu Financial Ireland Ltd
ITXe	INDITEX	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
JLTI	JARDINE LLOYD THOMPSON GROUP		Virtu Financial Ireland Ltd
JMATI	JOHNSON MATTHEY PLC		Virtu Financial Ireland Ltd
JMTu	JERONIMO MARTINS		Virtu Financial Ireland Ltd
JYSKc	JYSKE BANK-REG		Virtu Financial Ireland Ltd
KAZI	KAZ MINERALS PLC		Virtu Financial Ireland Ltd
KBCb	KBC GROEP NV		Virtu Financial Ireland Ltd
KBCd	KONTRON AG		Virtu Financial Ireland Ltd
KCOd	KLOECKNER & CO SE		Virtu Financial Ireland Ltd
KD8d	KABEL DEUTSCHLAND HOLDING AG		Virtu Financial Ireland Ltd
KERp	KERING		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
KGFI	KINGFISHER PLC		Virtu Financial Ireland Ltd
KNp	NATIXIS		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
KPNa	KONINKLIJKE KPN NV		Société Générale SA Virtu Financial Ireland Ltd
KRNd	KRONES AG		Virtu Financial Ireland Ltd
KRXi	KINGSPAN GROUP PLC		Virtu Financial Ireland Ltd
KRZi	KERRY GROUP PLC-A		Virtu Financial Ireland Ltd
KTCa	TEN CATE NV		Virtu Financial Ireland Ltd
KU2d	KUKA AG		Virtu Financial Ireland Ltd
LADI	LADBROKES PLC		Virtu Financial Ireland Ltd
LANDI	LAND SECURITIES GROUP PLC		Virtu Financial Ireland Ltd
LEOd	LEONI AG		Virtu Financial Ireland Ltd
LGENI	LEGAL & GENERAL GROUP PLC		Virtu Financial Ireland Ltd
LGp	LAFARGE SA		BNP Paribas Arbitrage Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LHAd	DEUTSCHE LUFTHANSA-REG		Société Générale SA Virtu Financial Ireland Ltd
LINd	LINDE AG		Société Générale SA Virtu Financial Ireland Ltd
Llp	KLEPIERRE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LLOYI	LLOYDS BANKING GROUP PLC		Virtu Financial Ireland Ltd
LMII	LONMIN PLC		Virtu Financial Ireland Ltd
LNZv	LENZING AG		Virtu Financial Ireland Ltd
LRDI	LAIRD PLC		Virtu Financial Ireland Ltd
LREI	LANCASHIRE HOLDINGS LTD		Virtu Financial Ireland Ltd
LRp	LEGRAND SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LSEI	LONDON STOCK EXCHANGE GROUP		Virtu Financial Ireland Ltd
LUNc	H LUNDBECK A/S		Virtu Financial Ireland Ltd
LUXm	LUXOTTICA GROUP SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
LXSd	LANXESS AG		Société Générale SA Virtu Financial Ireland Ltd
MABI	MITCHELLS & BUTLERS PLC		Virtu Financial Ireland Ltd
MAERAc	AP MOELLER-MAERSK A/S-A		Virtu Financial Ireland Ltd
MAERBc	AP MOELLER-MAERSK A/S-B		Virtu Financial Ireland Ltd
MANd	MAN SE		Virtu Financial Ireland Ltd
MAPe	MAPFRE SA		Société Générale SA Virtu Financial Ireland Ltd
MAUp	MAUREL ET PROM		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MBm	MEDIOBANCA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MCp	LVMH MOET HENNESSY LOUIS VUI	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
			Citadel Securities (Europe) Ltd
MCROI	MICRO FOCUS INTERNATIONAL		Virtu Financial Ireland Ltd
MEDm	MEDIOLANUM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MEOd	METRO AG		Virtu Financial Ireland Ltd
MERYp	MERCIALYS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MFp	WENDEL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MGAMI	MORGAN ADVANCED MATERIALS PL		Virtu Financial Ireland Ltd
MGGTI	MEGGITT PLC		Virtu Financial Ireland Ltd
MHGo	MARINE HARVEST		Virtu Financial Ireland Ltd
MKSI	MARKS & SPENCER GROUP PLC		Virtu Financial Ireland Ltd
MLCI	MILLENNIUM & COPTHORNE HOTEL		Virtu Financial Ireland Ltd
MLp	MICHELIN (CGDE)		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MMBp	LAGARDERE SCA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MMKv	MAYR-MELNHOF KARTON AG		Virtu Financial Ireland Ltd
MMTp	M6-METROPOLE TELEVISION		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MNDII	MONDI PLC		Virtu Financial Ireland Ltd
MNKSI	MONKS INVESTMENT TRUST PLC		Virtu Financial Ireland Ltd
MNm	ARNOLDO MONDADORI EDITORE		Virtu Financial Ireland Ltd
MOBBb	MOBISTAR SA		Virtu Financial Ireland Ltd
MORd	MORPHOSYS AG		Virtu Financial Ireland Ltd
MPII	MICHAEL PAGE INTERNATIONAL		Virtu Financial Ireland Ltd
MRCI	MERCANTILE INVESTMENT TRUST		Virtu Financial Ireland Ltd
MRKd	MERCK KGAA		Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd
MROI	MELROSE INDUSTRIES PLC		Virtu Financial Ireland Ltd
MRWI	WM MORRISON SUPERMARKETS		Virtu Financial Ireland Ltd
MSm	MEDIASET SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MTa	ARCELORMITTAL	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
MTOI	MITIE GROUP PLC		Virtu Financial Ireland Ltd
MTXd	MTU AERO ENGINES AG		Virtu Financial Ireland Ltd
MUV2d	MUENCHENER RUECKVER AG-REG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
MYII	MURRAY INTERNATIONAL TR-O		Virtu Financial Ireland Ltd
NASo	NORWEGIAN AIR SHUTTLE AS		Virtu Financial Ireland Ltd
NDAc	NORDEA BANK AB		Virtu Financial Ireland Ltd
NDAd	AURUBIS AG		Virtu Financial Ireland Ltd
NDX1d	NORDEX SE		Virtu Financial Ireland Ltd
NEOp	NEOPOST SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NESNz	NESTLE SA-REG		Société Générale SA Virtu Financial Ireland Ltd
NEXI	NATIONAL EXPRESS GROUP PLC		Virtu Financial Ireland Ltd
NEXp	NEXANS SA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NGI	NATIONAL GRID PLC		Virtu Financial Ireland Ltd
NHYo	NORSK HYDRO ASA		Virtu Financial Ireland Ltd
NKp	IMERYS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NKTc	NKT HOLDING A/S		Virtu Financial Ireland Ltd
NOVNz	NOVARTIS AG-REG		Société Générale SA Virtu Financial Ireland Ltd
NOVOBc	NOVO NORDISK A/S-B		Virtu Financial Ireland Ltd
NPROo	NORWEGIAN PROPERTY ASA		Virtu Financial Ireland Ltd
NSGo	NORSKE SKOGINDUSTRIER ASA		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
NXlp	NEXITY		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
NXTI	NEXT PLC		Virtu Financial Ireland Ltd
NYRb	NYRSTAR NV		Virtu Financial Ireland Ltd
NZYMBc	NOVOZYMES A/S-B SHARES		Virtu Financial Ireland Ltd
O2Dd	TELEFONICA DEUTSCHLAND HOLDI		Virtu Financial Ireland Ltd
OHLe	OBRASCON HUARTE LAIN S.A.		Société Générale SA Virtu Financial Ireland Ltd
OMLI	OLD MUTUAL PLC		Virtu Financial Ireland Ltd
OMVv	OMV AG		Virtu Financial Ireland Ltd
OPERAo	OPERA SOFTWARE ASA		Virtu Financial Ireland Ltd
OPHRI	OPHIR ENERGY PLC		Virtu Financial Ireland Ltd
ORDIa	ORDINA NV		Virtu Financial Ireland Ltd
ORKo	ORKLA ASA		Virtu Financial Ireland Ltd
ORp	L'OREAL	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ORPp	ORPEA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
OXIGI	OXFORD INSTRUMENTS PLC		Virtu Financial Ireland Ltd
PAGI	PARAGON GROUP COMPANIES PLC		Virtu Financial Ireland Ltd
PAH3d	PORSCHE AUTOMOBIL HLDG-PRF		Virtu Financial Ireland Ltd
PCm	PIRELLI & C.		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PFCI	PETROFAC LTD		Virtu Financial Ireland Ltd
PFGI	PROVIDENT FINANCIAL PLC		Virtu Financial Ireland Ltd
PGILI	POLYUS GOLD INTERNATIONAL LT		Virtu Financial Ireland Ltd
PGSo	PETROLEUM GEO-SERVICES		Virtu Financial Ireland Ltd
PHIAa	KONINKLIJKE PHILIPS NV	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
PICI	PACE PLC		Virtu Financial Ireland Ltd
PLSi	PADDY POWER PLC		Virtu Financial Ireland Ltd
PLTm	PARMALAT SPA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PMIm	BANCA POPOLARE DI MILANO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
			Citadel Securities (Europe) Ltd
PMOI	PREMIER OIL PLC		Virtu Financial Ireland Ltd
PNDORc	PANDORA A/S		Virtu Financial Ireland Ltd
PNLa	POSTNL NV		Virtu Financial Ireland Ltd
PNNI	PENNON GROUP PLC		Virtu Financial Ireland Ltd
POLYI	POLYMETAL INTERNATIONAL PLC		Virtu Financial Ireland Ltd
POMp	PLASTIC OMNIUM		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
POPe	BANCO POPULAR ESPANOL		Société Générale SA Virtu Financial Ireland Ltd
POSTv	OESTERREICHISCHE POST AG		Virtu Financial Ireland Ltd
PRSe	PROMOTORA DE INFORMACIONES-A		Virtu Financial Ireland Ltd
PRSo	PROSAFE SE		Virtu Financial Ireland Ltd
PRUI	PRUDENTIAL PLC		Virtu Financial Ireland Ltd
PRYm	PRYSMIAN SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PSMd	PROSIEBEN SAT.1 MEDIA AG-REG		Virtu Financial Ireland Ltd
PSNI	PERSIMMON PLC		Virtu Financial Ireland Ltd
PSONI	PEARSON PLC		Virtu Financial Ireland Ltd
PTCu	PORTUGAL TELECOM SGPS SA-REG		Virtu Financial Ireland Ltd
PTECI	PLAYTECH PLC		Virtu Financial Ireland Ltd
PUBp	PUBLICIS GROUPE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
PUMd	PUMA SE		Virtu Financial Ireland Ltd
PZCI	PZ CUSSONS PLC		Virtu Financial Ireland Ltd
QEDI	QUINTAIN ESTATES & DEV PLC		Virtu Financial Ireland Ltd
QIAd	QIAGEN N.V.		Virtu Financial Ireland Ltd
QQI	QINETIQ GROUP PLC		Virtu Financial Ireland Ltd
QSCd	QSC AG		Virtu Financial Ireland Ltd
RALp	RALLYE SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RANDa	RANDSTAD HOLDING NV		Société Générale SA Virtu Financial Ireland Ltd
RBlv	RAIFFEISEN BANK INTERNATIONA		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
RBI	RECKITT BENCKISER GROUP PLC		Virtu Financial Ireland Ltd
RBSI	ROYAL BANK OF SCOTLAND GROUP		Virtu Financial Ireland Ltd
RCFp	TELEPERFORMANCE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RCLo	ROYAL CARIBBEAN CRUISES LTD		Virtu Financial Ireland Ltd
RCOp	REMY COINTREAU		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RCPI	RIT CAPITAL PARTNERS PLC		Virtu Financial Ireland Ltd
RCSm	RCS MEDIAGROUP SPA		Virtu Financial Ireland Ltd
RDSAa	ROYAL DUTCH SHELL PLC-A SHS		Société Générale SA Virtu Financial Ireland Ltd
RDSAI	ROYAL DUTCH SHELL PLC-A SHS		Virtu Financial Ireland Ltd
RDSBI	ROYAL DUTCH SHELL PLC-B SHS		Virtu Financial Ireland Ltd
RECM	RECORDATI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RECo	REC SILICON ASA		Virtu Financial Ireland Ltd
REEe	RED ELECTRICA CORPORACION SA		Société Générale SA Virtu Financial Ireland Ltd
RELI	REED ELSEVIER PLC		Virtu Financial Ireland Ltd
RENa	REED ELSEVIER NV		Société Générale SA Virtu Financial Ireland Ltd
REPe	REPSOL SA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
REXI	REXAM PLC		Virtu Financial Ireland Ltd
RFp	EURAZEO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RHIv	RHI AG		Virtu Financial Ireland Ltd
RHKd	RHOEN-KLINIKUM AG		Virtu Financial Ireland Ltd
RHMd	RHEINMETALL AG		Virtu Financial Ireland Ltd
RIGNz	TRANSOCEAN LTD		Société Générale SA Virtu Financial Ireland Ltd
RIOI	RIO TINTO PLC		Virtu Financial Ireland Ltd
Rlp	PERNOD RICARD SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

Symbol	Name	Schedule A	Schedule B
RMSp	HERMES INTERNATIONAL		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RMVI	RIGHTMOVE PLC		Virtu Financial Ireland Ltd
RNOp	RENAULT SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ROGz	ROCHE HOLDING AG- GENUSSCHEIN		Société Générale SA Virtu Financial Ireland Ltd
RORI	ROTORK PLC		Virtu Financial Ireland Ltd
RRI	ROLLS-ROYCE HOLDINGS PLC		Virtu Financial Ireland Ltd
RRSI	RANDGOLD RESOURCES LTD		Virtu Financial Ireland Ltd
RSAI	RSA INSURANCE GROUP PLC		Virtu Financial Ireland Ltd
RTNI	RESTAURANT GROUP PLC		Virtu Financial Ireland Ltd
RTOI	RENTOKIL INITIAL PLC		Virtu Financial Ireland Ltd
RUIp	RUBIS		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RWE3d	RWE AG-NON VTG PEF		Virtu Financial Ireland Ltd
RWE d	RWE AG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
RXLp	REXEL SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
RY4Bi	RYANAIR HOLDINGS PLC		Virtu Financial Ireland Ltd
S92d	SMA SOLAR TECHNOLOGY AG		Virtu Financial Ireland Ltd
SABe	BANCO DE SABADELL SA		Société Générale SA Virtu Financial Ireland Ltd
SABI	SABMILLER PLC		Virtu Financial Ireland Ltd
SAFp	SAFRAN SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SANe	BANCO SANTANDER SA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
SANp	SANOFI	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SAPd	SAP SE	BNP Paribas Arbitrage	Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd
SAZd	STADA ARZNEIMITTEL AG		Virtu Financial Ireland Ltd
SBMOa	SBM OFFSHORE NV		Société Générale SA Virtu Financial Ireland Ltd
SBOv	SCHOELLER-BLECKMANN OILFIELD		Virtu Financial Ireland Ltd
SBRYI	SAINSBURY (J) PLC		Virtu Financial Ireland Ltd
SCHo	SCHIBSTED ASA		Virtu Financial Ireland Ltd
SCMNz	SWISSCOM AG-REG		Société Générale SA Virtu Financial Ireland Ltd
SCRp	SCOR SE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SDFd	K+S AG-REG		Société Générale SA Virtu Financial Ireland Ltd
SDLI	SDL PLC		Virtu Financial Ireland Ltd
SDRI	SCHRODERS PLC		Virtu Financial Ireland Ltd
SDRLo	SEADRILL LTD		Virtu Financial Ireland Ltd
SESGp	SES		Société Générale SA Virtu Financial Ireland Ltd
SEVp	SUEZ ENVIRONNEMENT CO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SFERm	SALVATORE FERRAGAMO SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SFLm	SAFILO GROUP SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SGCI	STAGECOACH GROUP PLC		Virtu Financial Ireland Ltd
SGEI	SAGE GROUP PLC/THE		Virtu Financial Ireland Ltd
SGLd	SGL CARBON SE		Virtu Financial Ireland Ltd
SGOp	COMPAGNIE DE SAINT GOBAIN	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SGPI	SUPERGROUP PLC		Virtu Financial Ireland Ltd
SGROI	SEGRO PLC		Virtu Financial Ireland Ltd
SGSNz	SGS SA-REG		Société Générale SA Virtu Financial Ireland Ltd
SHBI	SHAFTESBURY PLC		Virtu Financial Ireland Ltd
SHII	SIG PLC		Virtu Financial Ireland Ltd
SHPI	SHIRE PLC		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
SIAl	SOCO INTERNATIONAL PLC		Virtu Financial Ireland Ltd
SIEd	SIEMENS AG-REG	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
SIGI	SIGNET JEWELERS LTD		Virtu Financial Ireland Ltd
SK3i	SMURFIT KAPPA GROUP PLC		Virtu Financial Ireland Ltd
SKp	SEB SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SKYDd	SKY DEUTSCHLAND AG		Virtu Financial Ireland Ltd
SLIGRa	SLIGRO FOOD GROUP NV		Virtu Financial Ireland Ltd
SLI	STANDARD LIFE PLC		Virtu Financial Ireland Ltd
SMDSI	DS SMITH PLC		Virtu Financial Ireland Ltd
SMINI	SMITHS GROUP PLC		Virtu Financial Ireland Ltd
SMTI	SCOTTISH MORTGAGE INV TR PLC		Virtu Financial Ireland Ltd
SMWHI	WH SMITH PLC		Virtu Financial Ireland Ltd
SNI	SMITH & NEPHEW PLC		Virtu Financial Ireland Ltd
SOFb	SOFINA		Virtu Financial Ireland Ltd
SOLp	S.O.I.T.E.C.		Virtu Financial Ireland Ltd
SOLBb	SOLVAY SA		Société Générale SA Virtu Financial Ireland Ltd
SONu	SONAE		Virtu Financial Ireland Ltd
SOWd	SOFTWARE AG		Virtu Financial Ireland Ltd
SPMm	SAIPEM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SPRd	AXEL SPRINGER SE		Virtu Financial Ireland Ltd
SPTI	SPIRENT COMMUNICATIONS PLC		Virtu Financial Ireland Ltd
SPXI	SPIRAX-SARCO ENGINEERING PLC		Virtu Financial Ireland Ltd
SRENz	SWISS RE AG		Société Générale SA Virtu Financial Ireland Ltd
SRGm	SNAM SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SRPI	SERCO GROUP PLC		Virtu Financial Ireland Ltd
SRSm	SARAS SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SSEI	SSE PLC		Virtu Financial Ireland Ltd
STANI	STANDARD CHARTERED		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
	PLC		
STBo	STOREBRAND ASA		Virtu Financial Ireland Ltd
STLo	STATOIL ASA		Virtu Financial Ireland Ltd
STMp	STMICROELECTRONICS NV		Société Générale SA Virtu Financial Ireland Ltd
STRv	STRABAG SE-BR		Virtu Financial Ireland Ltd
STSm	ANSALDO STS SPA		BNP Paribas Arbitrage Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SUBCo	SUBSEA 7 SA		Virtu Financial Ireland Ltd
SUp	SCHNEIDER ELECTRIC SE	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SVTI	SEVERN TRENT PLC		Virtu Financial Ireland Ltd
SWp	SODEXO		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SXSI	SPECTRIS PLC		Virtu Financial Ireland Ltd
SY1d	SYMRISE AG		Virtu Financial Ireland Ltd
SYDBc	SYDBANK A/S		Virtu Financial Ireland Ltd
SYNNz	SYNGENTA AG-REG		Société Générale SA Virtu Financial Ireland Ltd
SZGd	SALZGITTER AG		Virtu Financial Ireland Ltd
SZUd	SUEDZUCKER AG		Virtu Financial Ireland Ltd
TALKI	TALKTALK TELECOM GROUP		Virtu Financial Ireland Ltd
TATEI	TATE & LYLE PLC		Virtu Financial Ireland Ltd
TCHp	TECHNICOLOR - REGR		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TCYI	TELECITY GROUP PLC		Virtu Financial Ireland Ltd
TDCc	TDC A/S		Virtu Financial Ireland Ltd
TECp	TECHNIP SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TEFe	TELEFONICA SA	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
TELo	TELENOR ASA		Virtu Financial Ireland Ltd
TEMI	TEMPLETON EMERGING MARKETS-O		Virtu Financial Ireland Ltd
TENm	TENARIS SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd
TFIp	TELEVISION FRANCAISE		BNP Paribas Arbitrage

Symbol	Name	Schedule A	Schedule B
	(T.F.1)		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TGSo	TGS NOPEC GEOPHYSICAL CO ASA		Virtu Financial Ireland Ltd
TITm	TELECOM ITALIA SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TITRm	TELECOM ITALIA-RSP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TKAd	THYSSENKRUPP AG		Société Générale SA Virtu Financial Ireland Ltd
TKAv	TELEKOM AUSTRIA AG		Virtu Financial Ireland Ltd
TL5e	MEDIASET ESPANA COMUNICACION		Société Générale SA Virtu Financial Ireland Ltd
TLPRI	TULLETT PREBON PLC		Virtu Financial Ireland Ltd
TLWI	TULLOW OIL PLC		Virtu Financial Ireland Ltd
TLXd	TALANX AG		Virtu Financial Ireland Ltd
TNETb	TELENET GROUP HOLDING NV		Virtu Financial Ireland Ltd
TNTEa	TNT EXPRESS NV		Société Générale SA Virtu Financial Ireland Ltd
TODm	TOD'S SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TOM2a	TOMTOM		Virtu Financial Ireland Ltd
TOMo	TOMRA SYSTEMS ASA		Virtu Financial Ireland Ltd
TOPc	TOPDANMARK A/S		Virtu Financial Ireland Ltd
TPKI	TRAVIS PERKINS PLC		Virtu Financial Ireland Ltd
TREe	TECNICAS REUNIDAS SA		Société Générale SA Virtu Financial Ireland Ltd
TRNm	TERNA SPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
TRYGc	TRYG A/S		Virtu Financial Ireland Ltd
TSCOI	TESCO PLC		Virtu Financial Ireland Ltd
TUI1d	TUI AG-DI		Virtu Financial Ireland Ltd
TWEKAa	TKH GROUP NV-DUTCH CERT		Virtu Financial Ireland Ltd
TWI	TAYLOR WIMPEY PLC		Virtu Financial Ireland Ltd
UBIm	UBI BANCA SCPA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd

Symbol	Name	Schedule A	Schedule B
UBIp	UBISOFT ENTERTAINMENT		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UBMI	UBM PLC		Virtu Financial Ireland Ltd
UCBb	UCB SA		Virtu Financial Ireland Ltd
UCGm	UNICREDIT SPA	BNP Paribas Arbitrage	BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UGp	PEUGEOT SA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
UHRz	SWATCH GROUP AG/THE-BR		Société Générale SA Virtu Financial Ireland Ltd
ULa	UNIBAIL-RODAMCO SE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ULEI	ULTRA ELECTRONICS HLDGS PLC		Virtu Financial Ireland Ltd
ULVRI	UNILEVER PLC	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
UMIb	UMICORE		Virtu Financial Ireland Ltd
UNAA	UNILEVER NV-CVA		Société Générale SA Virtu Financial Ireland Ltd
UNIm	UNIPOL GRUPPO FINANZIARIO SP		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
USGa	USG PEOPLE NV		Virtu Financial Ireland Ltd
UTDI	UNITED INTERNET AG-REG SHARE		Virtu Financial Ireland Ltd
UUI	UNITED UTILITIES GROUP PLC		Virtu Financial Ireland Ltd
VASTNa	VASTNED RETAIL NV		Virtu Financial Ireland Ltd
VCTI	VICTREX PLC		Virtu Financial Ireland Ltd
VCTp	SA DES CEMENTS VICAT- VICAT		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VEDI	VEDANTA RESOURCES PLC		Virtu Financial Ireland Ltd
VERv	VERBUND AG		Virtu Financial Ireland Ltd
VEIp	VEOLIA ENVIRONNEMENT		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VIGv	VIENNA INSURANCE GROUP AG		Virtu Financial Ireland Ltd
VIRPp	VIRBAC SA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VISe	VISCOFAN SA		Société Générale SA Virtu Financial Ireland Ltd
VIVp	VIVENDI	BNP Paribas Arbitrage	BNP Paribas Arbitrage

Symbol	Name	Schedule A	Schedule B
			Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VKp	VALLOUREC SA		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
VODI	VODAFONE GROUP PLC		Virtu Financial Ireland Ltd
VOEv	VOESTALPINE AG		Virtu Financial Ireland Ltd
VOW3d	VOLKSWAGEN AG-PREF		Société Générale SA Virtu Financial Ireland Ltd
VOWd	VOLKSWAGEN AG	BNP Paribas Arbitrage	Virtu Financial Ireland Ltd
VPKa	VOPAK		Virtu Financial Ireland Ltd
VSVSI	VESUVIUS PLC		Virtu Financial Ireland Ltd
WVSc	VESTAS WIND SYSTEMS A/S		Virtu Financial Ireland Ltd
WCHd	WACKER CHEMIE AG		Virtu Financial Ireland Ltd
WDHc	WILLIAM DEMANT HOLDING		Virtu Financial Ireland Ltd
WDId	WIRECARD AG		Virtu Financial Ireland Ltd
WEIRI	WEIR GROUP PLC/THE		Virtu Financial Ireland Ltd
WESa	WESSANEN		Virtu Financial Ireland Ltd
WGI	WOOD GROUP (JOHN) PLC		Virtu Financial Ireland Ltd
WHAa	WERELDHAVE NV		Virtu Financial Ireland Ltd
WIEv	WIENERBERGER AG		Virtu Financial Ireland Ltd
WINd	WINCOR NIXDORF AG		Virtu Financial Ireland Ltd
WKLd	WOLTERS KLUWER		Société Générale SA Virtu Financial Ireland Ltd
WMHI	WILLIAM HILL PLC		Virtu Financial Ireland Ltd
WOSI	WOLSELEY PLC		Virtu Financial Ireland Ltd
WPPI	WPP PLC		Virtu Financial Ireland Ltd
WTBI	WHITBREAD PLC		Virtu Financial Ireland Ltd
XCHI	XCHANGING PLC		Virtu Financial Ireland Ltd
YARo	YARA INTERNATIONAL ASA		Virtu Financial Ireland Ltd
YOOXm	YOOX SPA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ZAGv	ZUMTOBEL GROUP AG		Virtu Financial Ireland Ltd
ZCp	ZODIAC AEROSPACE		BNP Paribas Arbitrage Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ZIL2d	ELRINGKLINGER AG		Virtu Financial Ireland Ltd
ZOTe	ZARDOYA OTIS SA		Virtu Financial Ireland Ltd
ZURNz	ZURICH INSURANCE GROUP AG		Société Générale SA Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
MTm	MAIRE TECNIMONT SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
AMEASh	AMER SPORTS OYJ		Virtu Financial Ireland Ltd
CGCBVh	CARGOTEC OYJ-B SHARE		Virtu Financial Ireland Ltd
CTY1Sh	CITYCON OYJ		Virtu Financial Ireland Ltd
ELI1Vh	ELISA OYJ		Virtu Financial Ireland Ltd
FUM1Vh	FORTUM OYJ		Virtu Financial Ireland Ltd
KCR1Vh	KONECRANES OYJ		Virtu Financial Ireland Ltd
KESBVh	KESKO OYJ-B SHS		Virtu Financial Ireland Ltd
KNEBVh	KONE OYJ-B		Virtu Financial Ireland Ltd
KRA1Vh	KEMIRA OYJ		Virtu Financial Ireland Ltd
MEO1Vh	METSO OYJ		Virtu Financial Ireland Ltd
METSBh	METSA BOARD OYJ		Virtu Financial Ireland Ltd
NDA1Vh	NORDEA BANK AB - FDR		Virtu Financial Ireland Ltd
NES1Vh	NESTE OIL OYJ		Virtu Financial Ireland Ltd
NOK1Vh	NOKIA OYJ	BNP Paribas Arbitrage	Société Générale SA Virtu Financial Ireland Ltd
NRE1Vh	NOKIAN RENKAAT OYJ		Virtu Financial Ireland Ltd
ORNAVh	ORION OYJ-CLASS A		Virtu Financial Ireland Ltd
ORNBVh	ORION OYJ-CLASS B		Virtu Financial Ireland Ltd
OTE1Vh	OUTOTEC OYJ		Virtu Financial Ireland Ltd
OUT1Vh	OUTOKUMPU OYJ		Virtu Financial Ireland Ltd
POY1Vh	POYRY OYJ		Virtu Financial Ireland Ltd
RMR1Vh	RAMIRENT OYJ		Virtu Financial Ireland Ltd
SAA1Vh	SANOMA OYJ		Virtu Financial Ireland Ltd
SAMASh	SAMPO OYJ-A SHS		Virtu Financial Ireland Ltd
SDA1Vh	SPONDA OYJ		Virtu Financial Ireland Ltd
STERVh	STORA ENSO OYJ-R SHS		Virtu Financial Ireland Ltd
TIE1Vh	TIETO OYJ		Virtu Financial Ireland Ltd
TLS1Vh	TELIASONERA AB		Virtu Financial Ireland Ltd
TLV1Vh	TALVIVAARA MINING CO PLC-DI		Virtu Financial Ireland Ltd
UNR1Vh	UPONOR OYJ		Virtu Financial Ireland Ltd
UPM1Vh	UPM-KYMMENE OYJ		Virtu Financial Ireland Ltd
WRT1Vh	WARTSILA OYJ ABP		Virtu Financial Ireland Ltd
YTY1Vh	YIT OYJ		Virtu Financial Ireland Ltd
ESNTI	ESSENTRA PLC		Virtu Financial Ireland Ltd
ORAp	ORANGE		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ABBs	ABB LTD-REG		Société Générale SA Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
ALFAs	ALFA LAVAL AB		Société Générale SA Virtu Financial Ireland Ltd
ASSABs	ASSA ABLOY AB-B		Société Générale SA Virtu Financial Ireland Ltd
ATCOAs	ATLAS COPCO AB-A SHS		Société Générale SA Virtu Financial Ireland Ltd
ATCOBs	ATLAS COPCO AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
AZNs	ASTRAZENECA PLC		Société Générale SA Virtu Financial Ireland Ltd
BOLs	BOLIDEN AB		Société Générale SA Virtu Financial Ireland Ltd
ELUXBs	ELECTROLUX AB-SER B		Société Générale SA Virtu Financial Ireland Ltd
ERICBs	ERICSSON LM-B SHS		Société Générale SA Virtu Financial Ireland Ltd
GETIBs	GETINGE AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
HMBs	HENNES & MAURITZ AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
INVEBs	INVESTOR AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
LUPEs	LUNDIN PETROLEUM AB		Société Générale SA Virtu Financial Ireland Ltd
MTGBs	MODERN TIMES GROUP-B SHS		Société Générale SA Virtu Financial Ireland Ltd
NDAAs	NORDEA BANK AB		Société Générale SA Virtu Financial Ireland Ltd
SANDs	SANDVIK AB		Société Générale SA Virtu Financial Ireland Ltd
SCABs	SVENSKA CELLULOSA AB SCA-B		Société Générale SA Virtu Financial Ireland Ltd
SEBAs	SKANDINAVISKA ENSKILDA BAN-A		Société Générale SA Virtu Financial Ireland Ltd
SECUBs	SECURITAS AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
SHBAs	SVENSKA HANDELSBANKEN-A SHS		Société Générale SA Virtu Financial Ireland Ltd
SKABs	SKANSKA AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
SKFBs	SKF AB-B SHARES		Société Générale SA Virtu Financial Ireland Ltd
SWEDAs	SWEDBANK AB - A SHARES		Société Générale SA Virtu Financial Ireland Ltd
SWMAs	SWEDISH MATCH AB		Société Générale SA Virtu Financial Ireland Ltd
TEL2Bs	TELE2 AB-B SHS		Société Générale SA

Symbol	Name	Schedule A	Schedule B
			Virtu Financial Ireland Ltd
TLSNs	TELIASONERA AB		Société Générale SA Virtu Financial Ireland Ltd
VOLVBs	VOLVO AB-B SHS		Société Générale SA Virtu Financial Ireland Ltd
INDUAs	INDUSTRIVARDEN AB-A SHS		Virtu Financial Ireland Ltd
NOKIs	NOKIA OYJ		Société Générale SA Virtu Financial Ireland Ltd
SSABAs	SSAB AB-A SHARES		Société Générale SA Virtu Financial Ireland Ltd
ALIVs	AUTOLIV INC-SWED DEP RECEIPT		Virtu Financial Ireland Ltd
AXFOs	AXFOOD AB		Virtu Financial Ireland Ltd
CASTs	CASTELLUM AB		Virtu Financial Ireland Ltd
EKTABs	ELEKTA AB-B SHS		Virtu Financial Ireland Ltd
ENROs	ENIRO AB		Virtu Financial Ireland Ltd
ERICAs	ERICSSON LM-A SHS		Virtu Financial Ireland Ltd
FABGs	FABEGE AB		Virtu Financial Ireland Ltd
HEXABs	HEXAGON AB-B SHS		Virtu Financial Ireland Ltd
HOLMBs	HOLMEN AB-B SHARES		Virtu Financial Ireland Ltd
HUFVAs	HUFVUDSTADEN AB-A SHS		Virtu Financial Ireland Ltd
HUSQAs	HUSQVARNA AB-A SHS		Virtu Financial Ireland Ltd
HUSQBs	HUSQVARNA AB-B SHS		Virtu Financial Ireland Ltd
INDUCs	INDUSTRIVARDEN AB-C SHS		Virtu Financial Ireland Ltd
INVEAs	INVESTOR AB-A SHS		Virtu Financial Ireland Ltd
KINVBs	INVESTMENT AB KINNEVIK-B SHS		Société Générale SA Virtu Financial Ireland Ltd
LUMIs	LUNDIN MINING CORP-SDR		Virtu Financial Ireland Ltd
LUNDBs	LUNDBERGS AB-B SHS		Virtu Financial Ireland Ltd
MEDAAs	MEDA AB-A SHS		Virtu Financial Ireland Ltd
MICs	MILLICOM INTL CELLULAR- SDR		Virtu Financial Ireland Ltd
NCCBs	NCC AB-B SHS		Virtu Financial Ireland Ltd
ORIs	ORIFLAME COSMETICS SA- SDR		Virtu Financial Ireland Ltd
RATOBs	RATOS AB-B SHS		Virtu Financial Ireland Ltd
SAABBs	SAAB AB-B		Virtu Financial Ireland Ltd
SSABBs	SSAB AB - B SHARES		Virtu Financial Ireland Ltd
STERs	STORA ENSO OYJ-R SHS		Virtu Financial Ireland Ltd
TRELBs	TRELLEBORG AB-B SHS		Virtu Financial Ireland Ltd
VOLVAs	VOLVO AB-A SHS		Virtu Financial Ireland Ltd
ASRm	AS ROMA SPA		Virtu Financial Ireland Ltd
ATm	ASTM SPA		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
BCm	BRUNELLO CUCINELLI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BGNm	BANCA GENERALI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
BNSm	BENI STABILI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
CAIm	CAIRO COMMUNICATIONS SPA		Virtu Financial Ireland Ltd
CEm	CREDITO EMILIANO SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DLGm	DE'LONGHI SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
ENGm	ENGINEERING SPA		Virtu Financial Ireland Ltd
HERm	HERA SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IMAm	INDUSTRIA MACCHINE AUTOMATIC		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IPm	INTERPUMP GROUP SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IREm	IREN SPA		Virtu Financial Ireland Ltd
PIAm	PIAGGIO & C. S.P.A.		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SISm	SIAS SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
SRNm	SORIN SPA		Virtu Financial Ireland Ltd
TISm	TISCALI SPA		Virtu Financial Ireland Ltd
UNIPm	UNIPOL GRUPPO FINANZIARI-PRF		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
HUH1Vh	HUHTAMAKI OYJ		Virtu Financial Ireland Ltd
LOCALp	SOLOCAL GROUP		Virtu Financial Ireland Ltd
CNHIm	CNH INDUSTRIAL NV		Société Générale SA Virtu Financial Ireland Ltd
STMm	STMICROELECTRONICS NV		Société Générale SA Virtu Financial Ireland Ltd
CTICm	CTI BIOPHARMA CORP		Virtu Financial Ireland Ltd
TIGb	TIGENIX NV		Virtu Financial Ireland Ltd
CCHI	COCA-COLA HBC AG-CDI		Virtu Financial Ireland Ltd
RMGI	ROYAL MAIL PLC		Virtu Financial Ireland Ltd
SPDI	SPORTS DIRECT INTERNATIONAL		Virtu Financial Ireland Ltd
USm	UNIPOLSAI SPA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
DIMp	SARTORIUS STEDIM BIOTECH		Citadel Securities (Europe) Ltd
RINp	VILMORIN & CIE		Citadel Securities (Europe) Ltd

Symbol	Name	Schedule A	Schedule B
ACEm	ACEA SPA		Citadel Securities (Europe) Ltd
ASTm	ASTALDI SPA		Citadel Securities (Europe) Ltd
CASSm	CATTOLICA ASSICURAZIONI SCRL		Citadel Securities (Europe) Ltd
CEMm	CEMENTIR HOLDING SPA		Citadel Securities (Europe) Ltd
CVALm	CREDITO VALTELLINESE SCARL		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
FCAm	FIAT CHRYSLER AUTOMOBILES NV		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
IFm	BANCA IFIS SPA		Citadel Securities (Europe) Ltd
MARRm	MARR SPA		Citadel Securities (Europe) Ltd
MSKm	MOLESKINE SPA		Citadel Securities (Europe) Ltd
SALm	SALINI IMPREGILO SPA		Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
WDFm	WORLD DUTY FREE SPA		Société Générale SA Virtu Financial Ireland Ltd Citadel Securities (Europe) Ltd
MONCm	MONCLER SPA		Société Générale SA Virtu Financial Ireland Ltd
PGm	SEAT PAGINE GIALLE		Virtu Financial Ireland Ltd
FLUv	FLUGHAFEN WIEN AG		Virtu Financial Ireland Ltd
PALv	PALFINGER AG		Virtu Financial Ireland Ltd
SEMV	SEMPERIT AG HOLDING		Virtu Financial Ireland Ltd
ATCa	ALTICE SA		Société Générale SA Virtu Financial Ireland Ltd
OCla	OCI NV		Société Générale SA Virtu Financial Ireland Ltd
NSIa	NSI NV		Virtu Financial Ireland Ltd
BPOSTb	BPOST SA		Virtu Financial Ireland Ltd
DEXBb	DEXIA SA		Virtu Financial Ireland Ltd
GENc	GENMAB A/S		Virtu Financial Ireland Ltd
ISSc	ISS A/S		Virtu Financial Ireland Ltd
BIRi	BANK OF IRELAND		Virtu Financial Ireland Ltd
EIL1i	AER LINGUS GROUP PLC		Virtu Financial Ireland Ltd
SWVKd	SOLARWORLD AG		Virtu Financial Ireland Ltd
TEGd	TAG IMMOBILIEN AG		Virtu Financial Ireland Ltd
OKDAVh	ORIOLA-KD OYJ A SHARES		Virtu Financial Ireland Ltd
ALTRu	ALTRI SGPS SA		Virtu Financial Ireland Ltd
BCPu	BANCO COMERCIAL PORTUGUES-R		Virtu Financial Ireland Ltd
CTTu	CTT-CORREIOS DE PORTUGAL		Virtu Financial Ireland Ltd
ESFu	ESPIRITO SANTO FINL		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
	GROUP SA		
NOSu	NOS SGPS		Virtu Financial Ireland Ltd
PTIu	PORTUCEL SA		Virtu Financial Ireland Ltd
RENEu	REDES ENERGETICAS NACIONAIS		Virtu Financial Ireland Ltd
SEMu	SEMAPA-SOCIEDADE DE INVESTIM		Virtu Financial Ireland Ltd
ACAI	ACACIA MINING PLC		Virtu Financial Ireland Ltd
AMFWI	AMEC FOSTER WHEELER PLC		Virtu Financial Ireland Ltd
ATADI	TATNEFT-SPONSORED ADR		Virtu Financial Ireland Ltd
DCI	DIXONS CARPHONE PLC		Virtu Financial Ireland Ltd
DLGI	DIRECT LINE INSURANCE GROUP		Virtu Financial Ireland Ltd
FCPTI	F&C COMMERCIAL PROPERTY TRUS		Virtu Financial Ireland Ltd
FCSSI	FIDELITY CHINA SPECIAL SITUA		Virtu Financial Ireland Ltd
GENLI	GENEL ENERGY PLC		Virtu Financial Ireland Ltd
GSSI	GENESIS EMERGING MARKETS		Virtu Financial Ireland Ltd
HLCLI	HELICAL BAR PLC		Virtu Financial Ireland Ltd
HYDRI	RUSHYDRO JSC-ADR		Virtu Financial Ireland Ltd
LKODI	LUKOIL OAO-SPON ADR		Virtu Financial Ireland Ltd
MAILI	MAIL.RU GROUP-GDR REGS		Virtu Financial Ireland Ltd
MFONI	MEGAFON-REG S GDR		Virtu Financial Ireland Ltd
MGNTI	MAGNIT PJSC-SPON GDR REGS		Virtu Financial Ireland Ltd
MNODI	MMC NORILSK NICKEL JSC- ADR		Virtu Financial Ireland Ltd
NLMKI	NOVOLIPET STEEL-GDR REG S		Virtu Financial Ireland Ltd
NVTKI	NOVATEK OAO-SPONS GDR REG S		Virtu Financial Ireland Ltd
OCDOI	OCADO GROUP PLC		Virtu Financial Ireland Ltd
OGZDI	GAZPROM OAO-SPON ADR		Virtu Financial Ireland Ltd
RKMDI	ROSTELECOM-SPONSORED ADR		Virtu Financial Ireland Ltd
ROSNi	ROSNEFT OJSC-REG S GDR		Virtu Financial Ireland Ltd
SBERI	SBERBANK-SPONSORED ADR		Virtu Financial Ireland Ltd
SGGDI	SURGUTNEFTEGAS-SP ADR		Virtu Financial Ireland Ltd
SKYI	SKY PLC		Virtu Financial Ireland Ltd
SSAI	SISTEMA JSFC-REG S SPONS GDR		Virtu Financial Ireland Ltd

Symbol	Name	Schedule A	Schedule B
STJI	ST JAMES'S PLACE PLC		Virtu Financial Ireland Ltd
SVSTI	SEVERSTAL - GDR REG S		Virtu Financial Ireland Ltd
TCGI	THOMAS COOK GROUP PLC		Virtu Financial Ireland Ltd
URKAI	URALKALI PJSC-SPON GDR-REG S		Virtu Financial Ireland Ltd
VTBRI	VTB BANK OJSC-GDR-REG S		Virtu Financial Ireland Ltd
ABGPe	ABENGOA SA- B SHARES		Société Générale SA
MTSe	ARCELORMITTAL		Société Générale SA
SCYRe	SACYR SA		Société Générale SA Virtu Financial Ireland Ltd
KVAERo	KVAERNER ASA		Virtu Financial Ireland Ltd
GNFTp	GENFIT		Citadel Securities (Europe) Ltd
IPHp	INNATE PHARMA SA		Citadel Securities (Europe) Ltd
ONXEOp	ONXEO		Citadel Securities (Europe) Ltd
SAFTp	SAFT GROUPE SA		Citadel Securities (Europe) Ltd
SEQp	SEQUANA - REGR		Citadel Securities (Europe) Ltd
SOPp	SOPRA STERIA GROUP		Citadel Securities (Europe) Ltd
AIRp	AIRBUS GROUP SE		Société Générale SA Virtu Financial Ireland Ltd
CIBp	CIBOX INTER@CTIVE		Virtu Financial Ireland Ltd
TEOp	THEOLIA SA - REGR		Virtu Financial Ireland Ltd
AXISs	AXIS COMMUNICATIONS AB		Virtu Financial Ireland Ltd
UBSGz	UBS GROUP AG		Société Générale SA

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