Directive	FRN	Firm Name	Inward	Outward
Directive			Passports	Passports
Alternative Investment	119270	Asset Value Investors		13
Fund Managers Directive		Limited		
Alternative Investment	119292	BlackRock Fund		1
Fund Managers Directive		Managers Limited		
Alternative Investment	119304	AlphaGen Capital		1
Fund Managers Directive		Limited		
Alternative Investment	119346	JPMorgan Funds		1
Fund Managers Directive		Limited		
Alternative Investment	119368	AXA Investment		15
Fund Managers Directive		Managers UK Ltd		
Alternative Investment	121803	Aberdeen Fund		1
Fund Managers Directive		Managers Limited		
Alternative Investment	121859	Henderson Investment		1
Fund Managers Directive		Funds Limited		
Alternative Investment	121940	F & C Fund		2
Fund Managers Directive		Management Limited		
Alternative Investment	122011	M&G Alternatives		1
Fund Managers Directive		Investment		
		Management Limited		
Alternative Investment	122188	Ignis Fund Managers		2
Fund Managers Directive		Limited		
Alternative Investment	141168	Robeco Institutional	2	
Fund Managers Directive		Asset Management B.V.		
Alternative Investment	141661	UBS Asset Management		1
Fund Managers Directive		Funds Ltd		
Alternative Investment	141829	Capital Dynamics		2
Fund Managers Directive		Limited		
Alternative Investment	143359	First State Investments		2
Fund Managers Directive		(UK) Limited		
Alternative Investment	144267	Kames Capital plc		3
Fund Managers Directive				
Alternative Investment	145168	Valu-Trac Investment		15
Fund Managers Directive		Management Ltd		
Alternative Investment	146000	Deutsche Alternative		17
Fund Managers Directive		Asset Management		
		(UK) Limited		
Alternative Investment	146477	Standard Life		1
Fund Managers Directive		Investments (Mutual		
		Funds) Limited		
Alternative Investment	154453	Crossborder Capital		1
Fund Managers Directive		Limited		
Alternative Investment	159366	CBRE Global		32
Fund Managers Directive		Investment Partners		
		Limited		
Alternative Investment	163241	Grosvenor Investment		34
Fund Managers Directive	4	Management Ltd		
Alternative Investment	171039	Millennium Global		31
Fund Managers Directive	4 - 1	Investments Limited		
Alternative Investment	171200	Pacific Capital Partners		8
Fund Managers Directive	477677	Limited		
Alternative Investment	177896	F&C Investment		1
Fund Managers Directive		Business Limited		

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Alternative Investment	179712	CBRE Global Investors	31
Fund Managers Directive	1/7/12	(UK Funds) Limited	5
Alternative Investment	181389	PGIM FUND	1
Fund Managers Directive	101307	MANAGEMENT LIMITED	
Alternative Investment	183211	Montanaro Asset	28
Fund Managers Directive	100211	Management Limited	20
Alternative Investment	183641	Delcap Asset	32
Fund Managers Directive	103041	Management Limited	52
Alternative Investment	184330	Hermes Alternative	
Fund Managers Directive	104330	Investment	
		Management Limited	
Alternative Investment	184348	Aberdeen Emerging	1
Fund Managers Directive	104340	Capital Limited	
Alternative Investment	188139	Advicorp Public Limited	21
Fund Managers Directive	100137	Company	21
Alternative Investment	188395	Aspect Capital Limited	16
Fund Managers Directive	100375	Aspect oupital Emitted	
Alternative Investment	188574	Ennismore Fund	1
Fund Managers Directive	100374	Management Limited	
Alternative Investment	188741	Arcus Investment	31
Fund Managers Directive	100711	Limited	
Alternative Investment	189302	City Financial	1
Fund Managers Directive	10,002	Investment Company	
		Limited	
Alternative Investment	189330	Entrustpermal Ltd.	
Fund Managers Directive			
Alternative Investment	189436	Kairos Investment	3
Fund Managers Directive		Management Limited	
Alternative Investment	190437	Threadneedle	2
Fund Managers Directive		Investment Services	
5		Limited	
Alternative Investment	190828	Platinum Capital	16
Fund Managers Directive		Management Limited	
Alternative Investment	191005	Colchester Global	ç
Fund Managers Directive		Investors Limited	
Alternative Investment	192017	Mulvaney Capital	1
Fund Managers Directive		Management Limited	
Alternative Investment	193863	Savills Investment	1
Fund Managers Directive		Management (UK)	
		Limited	
Alternative Investment	194149	Nuveen Management	1
Fund Managers Directive		AIFM Limited	
Alternative Investment	194240	Horseman Capital	1
Fund Managers Directive		Management Limited	
Alternative Investment	194382	Stonehage Fleming	31
Fund Managers Directive		Investment	
		Management Limited	
Alternative Investment	195262	3i Investments Plc	19
Fund Managers Directive			
Alternative Investment	195652	Macquarie	30
Fund Managers Directive		Infrastructure and Real	
		Assets (Europe) Limited	
Alternative Investment	195766	InfraRed Capital	3
Fund Managers Directive		Partners Limited	

Alternative Investment	195960	LumX Asset		3
Fund Managers Directive	173700	Management (U.K.)		5
i unu managers Directive		Limited		
Alternative Investment	197007	MSS Capital Limited		14
Fund Managers Directive	177007	moo capital cinited		14
Alternative Investment	197097	Peterhouse Asset		1
Fund Managers Directive	177077	Management Limited		
Alternative Investment	197099	Lothbury Investment		1
Fund Managers Directive	177077	Management Limited		
Alternative Investment	197479	Polunin Capital Partners		1
Fund Managers Directive	17/4/9	Limited		I
Alternative Investment	197496	Carna Capital Itd		1
Fund Managers Directive	197490	Carria Capitar Itu		
Alternative Investment	206694	AXA Investment	1	
Fund Managers Directive	200094		I I	
Alternative Investment	206721	Managers Paris Natixis Asset	1	
	200721	Management	I I	
Fund Managers Directive Alternative Investment	208317	<u> </u>		1
	208317	Baker Steel Capital Managers LLP		I
Fund Managers Directive	200542	Old Mutual Investment		1
	208543			I
Fund Managers Directive	210437	Management Limited	1	
Alternative Investment	210437	Amundi Asset	1	
Fund Managers Directive	014040	Management		
Alternative Investment	214843	Odey Asset		31
Fund Managers Directive	017100	Management LLP		
Alternative Investment	217109	Cedar Rock Capital		1
Fund Managers Directive	2100/5	Limited		20
Alternative Investment	219865	Harmonic Capital		20
Fund Managers Directive	000007	Partners LLP		
Alternative Investment	220997	GVQ Investment		1
Fund Managers Directive	001050	Management Limited		
Alternative Investment	221250	Absolute Return		2
Fund Managers Directive	001000	Partners LLP		
Alternative Investment	221800	Kempen Capital	2	
Fund Managers Directive	000755	Management NV		
Alternative Investment	222755	Signet Capital		1
Fund Managers Directive	000501	Management Ltd		
Alternative Investment	228531	Marshall Wace LLP		1
Fund Managers Directive	00075/			
Alternative Investment	229756	IPM Informed Portfolio	1	
Fund Managers Directive		Management AB		
Alternative Investment	229782	Marathon Asset		11
Fund Managers Directive	000010	Management LLP		
Alternative Investment	230010	Prytania Investment		1
Fund Managers Directive		Advisors LLP		
Alternative Investment	230466	Habrok Capital		7
Fund Managers Directive		Management LLP		
Alternative Investment	230683	Fulcrum Asset		47
Fund Managers Directive		Management LLP		
Alternative Investment	230885	Morgan Stanley		2
Fund Managers Directive		Investment		
		Management (ACD)		
		Limited		
Alternative Investment	232168	The Black Ant Group		1
Fund Managers Directive		LLP		

	400045			
Alternative Investment	400045	Cairn Capital Limited		1
Fund Managers Directive Alternative Investment	40021/	Omence Accet		1
	400216	Omega Asset		I
Fund Managers Directive Alternative Investment	400496	Management Ltd CQS (UK) LLP		1 /
	400496	CQS (UK) LLP		14
Fund Managers Directive	401207	Derthers Crown (IIIK)		31
Alternative Investment	401307	Partners Group (UK)		31
Fund Managers Directive Alternative Investment	401002	Ltd Amundi Asset	1	1
	401883		1	I
Fund Managers Directive Alternative Investment	402126	Management Generation Investment		31
	402126			31
Fund Managers Directive	407204	Management LLP		1
Alternative Investment	407394	Tenax Capital Ltd		I
Fund Managers Directive Alternative Investment	4152/2	Oldfield Destroome LLD		F
	415363	Oldfield Partners LLP		5
Fund Managers Directive Alternative Investment	416478			10
	416478	C-QUADRAT Asset		10
Fund Managers Directive	410401	Management (UK) LLP	2	
Alternative Investment	419431	Allianz Global Investors	2	
Fund Managers Directive	401/07	GmbH		
Alternative Investment	431687	AKO Capital LLP		1
Fund Managers Directive	440405			
Alternative Investment	443685	Acheron Capital Ltd		1
Fund Managers Directive				
Alternative Investment	446338	Candriam Luxembourg	1	
Fund Managers Directive				
Alternative Investment	446495	NPJ Asset Management		1
Fund Managers Directive	454400	LLP	1	
Alternative Investment	451189	Lyxor Asset	1	
Fund Managers Directive	451010	Management		1
Alternative Investment	451912	APQ Partners LLP		1
Fund Managers Directive	45070/			
Alternative Investment	453736	Algebris Investments		2
Fund Managers Directive	45(0)(4	(UK) LLP		
Alternative Investment	456864	Cheyne Capital		1
Fund Managers Directive	450007	Management (UK) LLP		47
Alternative Investment	458997	Deutsche Alternative		17
Fund Managers Directive		Asset Management		
	450404	(Global) Limited		10
Alternative Investment	459481	Hewitt Risk		18
Fund Managers Directive		Management Services		
	45004/	Limited		0.1
Alternative Investment	459816	Hastings Funds		31
Fund Managers Directive		Management (UK)		
		Limited		
Alternative Investment	460940	Montagu Private Equity		1
Fund Managers Directive		LLP		
Alternative Investment	462092	ARDIAN INVESTMENT		4
Fund Managers Directive	4/00/0			0.1
Alternative Investment	462363	Wyetree Asset		31
Fund Managers Directive	4/0	Management Ltd		
Alternative Investment	462443	Antarctica Asset		2
Fund Managers Directive		Management (UK) LLP		
Alternative Investment	464960	Vontobel Asset	1	
Fund Managers Directive		Management S.A.		

Alternative Investment	469093	GML Capital LLP	31
Fund Managers Directive	409093		31
Alternative Investment	470343	Somerset Capital	5
Fund Managers Directive	470343	Management LLP	5
Alternative Investment	471186	Privium Fund	7
Fund Managers Directive	471100	Management (UK)	1
i unu managers Directive		Limited	
Alternative Investment	471958	Insparo Asset	31
Fund Managers Directive	471950	Management Ltd	51
Alternative Investment	473720	Aberdeen Private Equity	1
Fund Managers Directive	473720	Managers Limited	1
Alternative Investment	474286	RWC Asset	1
Fund Managers Directive		Management LLP	
Alternative Investment	477328	Architas Multi-Manager	9
Fund Managers Directive		Limited	
Alternative Investment	477881	36 South Capital	1
Fund Managers Directive		Advisors LLP	
Alternative Investment	480219	Taube Hodson Stonex	1
Fund Managers Directive		Partners LLP	
Alternative Investment	486112	Leadenhall Capital	1
Fund Managers Directive		Partners LLP	
Alternative Investment	487458	Apollo Multi Asset	1
Fund Managers Directive		Management LLP	
Alternative Investment	491003	Star Fund Managers	32
Fund Managers Directive		LLP	
Alternative Investment	492733	Bainbridge Partners LLP	13
Fund Managers Directive			
Alternative Investment	496588	Goodhart Partners LLP	1
Fund Managers Directive			
Alternative Investment	497425	inProp Capital LLP	1
Fund Managers Directive			
Alternative Investment	497640	TRIUM CAPITAL LLP	9
Fund Managers Directive			
Alternative Investment	499519	FTC Capital GmbH	1
Fund Managers Directive			
Alternative Investment	500710	Berkeley Asset	1
Fund Managers Directive		Management LLP	
Alternative Investment	502154	RiverRock European	32
Fund Managers Directive		Capital Partners LLP	
Alternative Investment	503015	Gatemore Capital	1
Fund Managers Directive		Management LLP	
Alternative Investment	503401	PGR Capital LLP	10
Fund Managers Directive			
Alternative Investment	505543	Barclays Asset	2
Fund Managers Directive		Management Limited	
Alternative Investment	506441	Arcus European	1
Fund Managers Directive		Investment Manager LLP	
Alternative Investment	506925	Northlight Group LLP	1
Fund Managers Directive			
Alternative Investment	507938	Ivaldi Capital LLP	1
Fund Managers Directive			
Alternative Investment	514588	Octave Investment	1
Fund Managers Directive		Management LLP	

Alternative Investment	518241	LGIM Corporate		1
Fund Managers Directive	510241	Director Limited		I
Alternative Investment	518455	AEW Europe LLP		4
Fund Managers Directive	516455	AEW Europe LLP		4
Alternative Investment	520117	Centricus Asset		31
Fund Managers Directive	520117	Management Limited		51
Alternative Investment	520240	Pantheon Ventures		19
Fund Managers Directive	520240	(UK) LLP		19
Alternative Investment	521314	Duke Street LLP		1
Fund Managers Directive	521514	Duke Street LLF		I
Alternative Investment	526527	Silchester International		31
Fund Managers Directive	520527	Investors LLP		51
Alternative Investment	528148	Pactum Asset		2
Fund Managers Directive	520140	Management Limited		2
Alternative Investment	529105	H2O AM LLP		11
Fund Managers Directive	529105			
Alternative Investment	529876	LBO France Gestion	1	
Fund Managers Directive	527070	Ebo France Gestion		
Alternative Investment	530523	Anavon Capital LLP		1
Fund Managers Directive	550525			I
Alternative Investment	533351	Orion Capital Managers		1
Fund Managers Directive	555551	LLP		I
Alternative Investment	534658	LCM Capital LLP		1
Fund Managers Directive	554050			I
Alternative Investment	535871	Craigmore Sustainables		1
Fund Managers Directive	555671	LLP		I
Alternative Investment	536385	Ersel Gestion	1	
Fund Managers Directive	550505	Internationale SA	1	
Alternative Investment	536771	EFG Asset Management		31
Fund Managers Directive	000771	(UK) Limited		51
Alternative Investment	537366	Nomura Alternative		1
Fund Managers Directive	007000	Investment		
i and managers birective		Management (Europe)		
		Limited		
Alternative Investment	543477	Boston and Alexander		1
Fund Managers Directive		LLP		
Alternative Investment	549789	Astellon Capital		12
Fund Managers Directive	0	Partners LLP		
Alternative Investment	552931	Barings Global Advisers		2
Fund Managers Directive		Limited		_
Alternative Investment	556012	CapeView Capital LLP		1
Fund Managers Directive				
Alternative Investment	563369	Tages Capital LLP		32
Fund Managers Directive		3		
Alternative Investment	563498	Smart Lenders Asset		1
Fund Managers Directive		Management Limited		
Alternative Investment	563833	AgFe LLP		31
Fund Managers Directive		5		
Alternative Investment	563879	Attestor Capital LLP		1
Fund Managers Directive		·		
Alternative Investment	566811	Robus Capital		30
Fund Managers Directive		Management Limited		
Alternative Investment	566822	Carne Global Fund	1	
Fund Managers Directive		Managers (Ireland)		
		Limited		

Alternative Investment	567411	AQR Capital		14
Fund Managers Directive	307411	Management (Europe)		14
i unu managers Directive				
Alternative Investment	571599	BlueBay Asset		29
Fund Managers Directive	571577	Management LLP		27
Alternative Investment	577962	AEW UK Investment		13
	577902			15
Fund Managers Directive Alternative Investment	579925	Management LLP		1
	579925	OCL Capital LLP		I
Fund Managers Directive Alternative Investment	502/04	Triatan Canital Dartnara		24
	582604	Tristan Capital Partners		24
Fund Managers Directive	5000/1	LLP		4.0
Alternative Investment	583261	First Trust Global		13
Fund Managers Directive		Portfolios Limited		
Alternative Investment	584414	MSK Capital Partners		13
Fund Managers Directive		LLP		
Alternative Investment	591530	Long Harbour Ltd		30
Fund Managers Directive				
Alternative Investment	593420	Parus Finance (UK)		1
Fund Managers Directive		Limited		
Alternative Investment	593791	AHL Partners LLP		1
Fund Managers Directive				
Alternative Investment	594166	MacKay Shields UK LLP		16
Fund Managers Directive				
Alternative Investment	602956	Verrazzano Capital SAS	1	
Fund Managers Directive				
Alternative Investment	605527	G Square Healthcare		1
Fund Managers Directive		Private Equity LLP		
Alternative Investment	605756	Hermes BPK Limited		1
Fund Managers Directive				
Alternative Investment	606186	ICG Alternative		2
Fund Managers Directive		Investment Limited		
Alternative Investment	606579	Hollbeach Investment		1
Fund Managers Directive		Management LLP		
Alternative Investment	606930	Axiom Alternative	2	
Fund Managers Directive		Investments SARL		
Alternative Investment	608250	LGT Capital Partners	1	
Fund Managers Directive		(Ireland) Limited		
Alternative Investment	611379	LGT European Capital		2
Fund Managers Directive		Ltd.		
Alternative Investment	611389	Access Capital Partners	1	
Fund Managers Directive		SA		
Alternative Investment	611412	Ashmore Investment		1
Fund Managers Directive		Advisors Limited		
Alternative Investment	612226	Boussard & Gavaudan		2
Fund Managers Directive	0.220	Investment		_
		Management LLP		
Alternative Investment	612887	Winton Fund		2
Fund Managers Directive	512007	Management Limited		Z
Alternative Investment	613481	CM Investment		1
	013401	Solutions Limited		I
Fund Managers Directive	613490	Ruffer AIFM Limited	├	1
Alternative Investment	013490	KUITEI AIFIVI LIMITEO		I
Fund Managers Directive	(10.107			
Alternative Investment	613497	Ares Management UK		1
Fund Managers Directive		Limited		

Alternative Investment	614990	Goldman Sachs Asset		2
Fund Managers Directive	014770	Management Global		2
		Services Limited		
Alternative Investment	615316	Franklin Templeton	1	
Fund Managers Directive	010010	International Services		
		S.A.R.L.		
Alternative Investment	615346	CM-CIC Asset	1	
Fund Managers Directive	010040	Management		
Alternative Investment	615463	Shard Capital AIFM LLP		31
Fund Managers Directive	010100			01
Alternative Investment	616195	PrimeStone Capital LLP		1
Fund Managers Directive	010170			
Alternative Investment	616229	Tilney Fund Managers		1
Fund Managers Directive	010227	Limited		
Alternative Investment	616260	Aventicum Capital		1
Fund Managers Directive	010200	Management (UK) LLP		
Alternative Investment	621415	Hosking & Co Ltd	1	
Fund Managers Directive				
Alternative Investment	621427	Hamilton Lane AIFM Ltd		1
Fund Managers Directive				
Alternative Investment	623146	Rogge Alternative		1
Fund Managers Directive		Investment Company		
· · · · · · · · · · · · · · · · · · ·		Limited		
Alternative Investment	623511	CORDET Capital		2
Fund Managers Directive		Partners LLP		
Alternative Investment	624898	Kingsway Capital LLP		2
Fund Managers Directive		5 5 1		
Alternative Investment	625554	SICP LLP		31
Fund Managers Directive				
Alternative Investment	627739	Notz, Stucki Europe	1	
Fund Managers Directive		S.A.		
Alternative Investment	627924	Sciens Group Risk		1
Fund Managers Directive		Services Limited		
Alternative Investment	627952	Timberland Fund	1	
Fund Managers Directive		Management Limited		
Alternative Investment	628734	KKR Alternative	1	
Fund Managers Directive		Investment		
		Management		
Alternative Investment	629271	Hosking Partners LLP		2
Fund Managers Directive				
Alternative Investment	629540	Mirova	1	
Fund Managers Directive				
Alternative Investment	629995	Fondinvest Capital	1	
Fund Managers Directive				
Alternative Investment	646654	Bain Capital		2
Fund Managers Directive		Investments (Europe)		
		Limited		
Alternative Investment	646952	Aalto Invest UK Ltd		14
Fund Managers Directive				
Alternative Investment	647160	Octogone Europe LTD		7
Fund Managers Directive				
Alternative Investment	649105	Niam AB	1	
Fund Managers Directive				
Alternative Investment	649872	Antin Infrastructure	Т	2
Fund Managers Directive		Partners UK Limited		

Alternative Investment	650939	BOOST&CO	1	
Fund Managers Directive	030737	00031800	I	
Alternative Investment	651328	Mirabella Malta Limited	1	
Fund Managers Directive	001020			
Alternative Investment	657384	Tishman Speyer Europe	1	
Fund Managers Directive	007004	S.A.R.L		
Alternative Investment	657543	Circuitus Capital LLP		14
Fund Managers Directive	037343			14
Alternative Investment	657756	EOS Investment		2
Fund Managers Directive	037730	Management Limited		2
Alternative Investment	665773	Inverewe Capital		1
Fund Managers Directive	003773	London Limited		•
Alternative Investment	670589	AXA REAL ESTATE	1	
Fund Managers Directive	070309	INVESTMENT	I	
i unu managers Directive		MANAGERS SGP		
Alternative Investment	677152	Stone Harbor		1
Fund Managers Directive	077152	Investment Partners		1
Fund Managers Directive		(AIFM) LLP		
Alternative Investment	677177	MV Credit Partners LLP		30
	0//1//	NV CIEDIL PALLIEIS LLP		30
Fund Managers Directive Alternative Investment	677851	NN Investment Partners	1	
	0//001	B.V.	I	
Fund Managers Directive Alternative Investment	684923	TCI FUND		2
	084923			2
Fund Managers Directive	(07477	MANAGEMENT LIMITED	1	
Alternative Investment	687477	Akina (Luxembourg)	1	
Fund Managers Directive	(02/12	Overdratura Capital		21
Alternative Investment	692613	Quadrature Capital Limited		31
Fund Managers Directive Alternative Investment	697846		1	
	09/840	Europanel Research & Alternative Asset	1	
Fund Managers Directive				
Alternative Investment	697849	Management (ERAAM) Edmond de Rothschild	1	
	09/849		1	
Fund Managers Directive		Asset Management (France)		
Alternative Investment	706723	, ,	1	
	100123	Seventure Partners	I	
Fund Managers Directive Alternative Investment	700117	Nevtetere	1	
	708117	Nextstage	1	
Fund Managers Directive	700024	DND Daribaa Invastraant	1	
Alternative Investment	709924	BNP Paribas Investment	1	
Fund Managers Directive		Partners Nederland		
Alternative Investment	727914	N.V. Siemens Fonds Invest	1	
	121914		I.	
Fund Managers Directive Alternative Investment	728154	GmbH Lansdowne Partners	1	
	720134		I.	
Fund Managers Directive Markets in Financial	104673	Austria GmbH		1
	104673	Thomson Cooper		1
Instruments Directive	10/050			20
Markets in Financial	106052	MF Global UK Limited		30
Instruments Directive	10/070	Nationshida Duilding		1
Markets in Financial	106078	Nationwide Building		I
Instruments Directive	10/10/	Society		10
Markets in Financial	106136	Edwards Securities Ltd		13
Instruments Directive	440515			
Markets in Financial	113942	Gain Capital UK Limited		30
Instruments Directive	1			

Markets in Financial	113946	Amalgamated Metal		30
Instruments Directive	113740	Trading Ltd		50
Markets in Financial	113980	Cheuvreux		30
Instruments Directive	113700	International Limited		50
Markets in Financial	114029	DZ Bank AG, Deutsche	1	
Instruments Directive	114029	Zentral-	'	
Instruments Directive				
Manhata in Financial	114001	Genossenschaftsbank		20
Markets in Financial	114031	J.P. Morgan Markets		30
Instruments Directive	114054	Limited		20
Markets in Financial	114054	Lazard & Co Limited		30
Instruments Directive	111050			
Markets in Financial	114059	IG Index Limited		51
Instruments Directive				
Markets in Financial	114097	Record Currency		14
Instruments Directive		Management Limited		
Markets in Financial	114120	R.J. O'Brien Limited		31
Instruments Directive				
Markets in Financial	114159	Berkeley Futures Ltd		27
Instruments Directive				
Markets in Financial	114216	HSBC Bank Plc		40
Instruments Directive				
Markets in Financial	114226	Jefferies Bache Limited		30
Instruments Directive				
Markets in Financial	114233	Sabre Fund		30
Instruments Directive		Management Ltd		
Markets in Financial	114237	GF Financial Markets		31
Instruments Directive		(UK) Limited		
Markets in Financial	114239	Sucden Financial		31
Instruments Directive		Limited		
Markets in Financial	114265	Stockdale Securities		15
Instruments Directive	111200	Limited		10
Markets in Financial	114276	Standard Chartered		37
Instruments Directive	114270	Bank		57
Markets in Financial	114294	Man Investments Ltd		30
Instruments Directive	114274	Mari Investments Eta		50
Markets in Financial	114318	Whitechurch Securities		16
Instruments Directive	114310	Limited		10
Markets in Financial	114324	Bordier & Cie (UK) PLC		8
	114324	BOIDIEI & CIE (OK) FLC		0
Instruments Directive Markets in Financial	114341	E II Manning Financial		4
	114341	F H. Manning Financial		6
Instruments Directive	114054	Services Limited		20
Markets in Financial	114354	Thesis Asset		30
Instruments Directive	114004	Management Plc		4.0
Markets in Financial	114394	Ellis Bates Financial		12
Instruments Directive		Solutions Limited		-
Markets in Financial	114402	Wilfred T. Fry (Personal		32
Instruments Directive		Financial Planning)		
		Limited		
Markets in Financial	114423	Alan Steel (Asset		30
Instruments Directive		Management) Limited		
Markets in Financial	114428	Maunby Investment		2
Instruments Directive		Management Ltd		
Markets in Financial	114503	Amundi (UK) Ltd		3
Instruments Directive				
Markets in Financial	114543	Finesco Financial		30
Instruments Directive		Services Limited		

Manhata in Financial	114/10		10
Markets in Financial	114610	Howard Wright Ltd	10
Instruments Directive	114/17	Directory and law a stars and	
Markets in Financial	114617	Birchwood Investment	30
Instruments Directive		Management Limited	
Markets in Financial	114627	Credit Suisse Asset	30
Instruments Directive		Management Limited	
Markets in Financial	114638	Peter Hoare & Company	31
Instruments Directive		(Insurance Brokers) Ltd	
Markets in Financial	114650	Lowes Financial	30
Instruments Directive		Management Limited	
Markets in Financial	114721	Putnam Investments	20
Instruments Directive		Limited	
Markets in Financial	114775	Morfitt & Turnbull	30
Instruments Directive		(Management Services) Limited	
Markets in Financial	114803	Edmond de Rothschild	29
Instruments Directive		Securities (UK) Limited	
Markets in Financial	114841	Richard S. Barratt	15
Instruments Directive			
Markets in Financial	114852	Culver Financial	1
Instruments Directive	111002	Management Ltd	
Markets in Financial	114893	Avidus Scott Lang &	10
Instruments Directive	114095	Co. Limited	10
Markets in Financial	114952	Charteris Treasury	6
Instruments Directive	114752	Portfolio Managers	0
Instruments Directive		Limited	
Markets in Financial	115011	Arena Wealth	19
	115011		19
Instruments Directive	115000	Management Limited	
Markets in Financial	115088	Michael Davey Financial	9
Instruments Directive	445404	Management Limited	
Markets in Financial	115126	Daiwa SB Investments	17
Instruments Directive		(UK) Ltd	
Markets in Financial	115161	ROGGE GLOBAL	18
Instruments Directive		PARTNERS LIMITED	
Markets in Financial	115182	Gee & Watson	29
Instruments Directive		Investment and	
		Pensions Ltd	
Markets in Financial	115231	Marlborough	30
Instruments Directive		Investment	
		Management Limited	
Markets in Financial	115235	Saunderson House	12
Instruments Directive		Limited	
Markets in Financial	115248	Hargreaves Lansdown	29
Instruments Directive		Asset Management	
		Limited	
Markets in Financial	115300	Gallagher Benefits	30
Instruments Directive		Consulting Limited	
Markets in Financial	115308	Reyker Securities Plc	30
Instruments Directive			
Markets in Financial	116091	A Allen Investment	5
Instruments Directive		Services Limited	
Markets in Financial	116310	GCA Altium Limited	18
Instruments Directive			
Markets in Financial	116316	Rathbone Investment	30
Instruments Directive	110310		30
		Management Limited	

Markets in Financial	116337	SDB Strategic Planners	3
Instruments Directive		Limited	_
Markets in Financial	116355	E J Glanville & Co	30
Instruments Directive		(Investment Brokers)	
		Limited	
Markets in Financial	116404	Waverton Investment	20
Instruments Directive		Management Limited	
Markets in Financial	118061	Augustine Limited	7
Instruments Directive		<u> </u>	
Markets in Financial	119178	Aviva Investors Global	34
Instruments Directive		Services Limited	
Markets in Financial	119186	BlackRock Advisors	17
Instruments Directive		(UK) Limited	
Markets in Financial	119193	Capital International	23
Instruments Directive		Limited	
Markets in Financial	119196	BNY Mellon Investment	21
Instruments Directive		Management EMEA	
		Limited	
Markets in Financial	119230	F & C Management	21
Instruments Directive		Limited	
Markets in Financial	119236	Gartmore Investment	17
Instruments Directive		Limited	
Markets in Financial	119256	Mizuho International	30
Instruments Directive		Plc	
Markets in Financial	119264	Fischer Francis Trees &	30
Instruments Directive		Watts UK Limited	
Markets in Financial	119269	Kleinwort Benson Bank	18
Instruments Directive		Ltd	
Markets in Financial	119272	Legal & General	34
Instruments Directive		Investment	
		Management Ltd	
Markets in Financial	119278	Lloyds Bank PLC	34
Instruments Directive		_	
Markets in Financial	119289	Martin Currie	11
Instruments Directive		Investment	
		Management Ltd	
Markets in Financial	119293	BlackRock Investment	40
Instruments Directive		Management (UK)	
		Limited	
Markets in Financial	119308	Insight Investment	30
Instruments Directive		Management (Global)	
		Limited	
Markets in Financial	119319	UBS Asset Management	30
Instruments Directive		(UK) Ltd	
Markets in Financial	119328	M&G Investment	16
Instruments Directive		Management Limited	
Markets in Financial	119329	Close Asset	18
Instruments Directive		Management Limited	
Markets in Financial	119331	Newton Investment	17
Instruments Directive		Management Ltd	
Markets in Financial	119337	JPMorgan Asset	27
Instruments Directive		Management (UK)	
		Limited	
Markets in Financial	119348	Schroder Investment	20
Instruments Directive		Management Ltd	

Markets in Financial	120967	Michael Ambrose	2
Instruments Directive	120707	Limited	2
Markets in Financial	121066	Evans Hart Limited	1
Instruments Directive	121000		
Markets in Financial	121098	Maestro Financial	29
Instruments Directive	121070	Services Limited	2,
Markets in Financial	121328	Punter Southall Defined	30
Instruments Directive	121520	Contribution Consulting	50
instruments Directive		Limited	
Markets in Financial	121629	AMLP Financial	5
Instruments Directive	121029	Planning Ltd	5
Markets in Financial	121779		35
	121/19	Franklin Templeton	30
Instruments Directive		Investment	
	10101/	Management Limited	10
Markets in Financial	121816	Mitsubishi UFJ Asset	13
Instruments Directive		Management (UK) Ltd	
Markets in Financial	121818	Baillie Gifford Overseas	20
Instruments Directive		Limited	
Markets in Financial	121831	Legg Mason	20
Instruments Directive		Investments (Europe)	
		Limited	
Markets in Financial	121839	Lazard Asset	18
Instruments Directive		Management Limited	
Markets in Financial	121857	Henderson Global	19
Instruments Directive		Investors Limited	
Markets in Financial	121882	The Royal Bank of	46
Instruments Directive		Scotland Plc	
Markets in Financial	121887	Iona Capital Ltd	16
Instruments Directive			
Markets in Financial	121891	Aberdeen Asset	29
Instruments Directive		Managers Limited	
Markets in Financial	121895	Ignis Investment	15
Instruments Directive		Services Limited	
Markets in Financial	121920	Morgan Stanley	31
Instruments Directive		Investment	
		Management Limited	
Markets in Financial	121926	McInroy & Wood Ltd	3
Instruments Directive	121720		
Markets in Financial	121935	Mercer Limited	30
Instruments Directive	121755		30
Markets in Financial	121980	F&C Managers Limited	1
Instruments Directive	121980		
Markets in Financial	122001	BC Partners Ltd	12
	122001	DC Partners Ltu	12
Instruments Directive	100004	Nikko Accot	~ ~ ~
Markets in Financial	122084	Nikko Asset	17
Instruments Directive		Management Europe	
		Ltd	
Markets in Financial	122113	Daiwa Asset	15
Instruments Directive		Management (Europe)	
		Ltd	
Markets in Financial	122130	Aberdeen Investment	7
Instruments Directive		Solutions Limited	
Markets in Financial	122137	Pyrford International	14
Instruments Directive		Limited	
Markets in Financial	122140	Mirabaud Asset	15
Instruments Directive		Management Limited	

Markets in Financial	122170	FIL Investments	33
Instruments Directive	122170	International	
Markets in Financial	122194	Threadneedle Asset	17
Instruments Directive	122194	Management Limited	17
Markets in Financial	122282	Russell Investments	20
	122202	Limited	20
Instruments Directive	10007		20
Markets in Financial	122287	Coutts & Company	30
Instruments Directive	122330	CAM Landon Limited	22
Markets in Financial	122330	GAM London Limited	22
Instruments Directive	100001	CAM International	1
Markets in Financial	122331	GAM International	1
Instruments Directive	100040	Management Ltd	
Markets in Financial	122342	Citibank International	44
Instruments Directive	100400	Limited	
Markets in Financial	122420	Investec Asset	20
Instruments Directive	100400	Management Limited	10
Markets in Financial	122429	Walter Scott + Partners	18
Instruments Directive	100454	Limited	
Markets in Financial	122451	Vencap International	17
Instruments Directive		Plc	
Markets in Financial	122483	City Asset Management	4
Instruments Directive		Plc	
Markets in Financial	122512	First State Investments	18
Instruments Directive		International Limited	
Markets in Financial	122531	PineBridge Investments	28
Instruments Directive		Europe Limited	
Markets in Financial	122572	Orbis Investment	30
Instruments Directive		Advisory Ltd	
Markets in Financial	122588	Sanlam Private	29
Instruments Directive		Investments (UK) Ltd	
Markets in Financial	122626	Lloyds Bank Private	17
Instruments Directive		Banking Limited	
Markets in Financial	122627	UBS O'Connor Limited	28
Instruments Directive			
Markets in Financial	122628	Baring International	1
Instruments Directive		Investment Limited	
Markets in Financial	122674	Invesco Asset	17
Instruments Directive		Management Limited	
Markets in Financial	122702	Barclays Bank Plc	40
Instruments Directive			
Markets in Financial	122703	Nomura Asset	22
Instruments Directive		Management UK Ltd	
Markets in Financial	124247	Barclays Stockbrokers	30
Instruments Directive		Limited	
Markets in Financial	124255	Tilney Investment	17
Instruments Directive		Management	
Markets in Financial	124257	Pritchard Stockbrokers	17
Instruments Directive		Limited	
Markets in Financial	124259	Quilter Cheviot Limited	27
Instruments Directive			
Markets in Financial	124269	Credit Suisse (UK)	30
Instruments Directive		Limited	
Markets in Financial	124279	Fiske Plc	30
Instruments Directive			

Markets in Financial	124308	Robert W Baird Limited	1
Instruments Directive	124306	Robert W Baird Einited	
Markets in Financial	124321	Landesbank Hessen -	1
Instruments Directive	124521	Thuringen Girozentrale	
Markets in Financial	124337	Montague Place	1
Instruments Directive	124007	Custody Services	
Markets in Financial	124343	UBS Limited	3
Instruments Directive	124343	ODS Emitted	
Markets in Financial	124344	Credit Agricole	2
Instruments Directive	12-3	Corporate and	2
		Investment Bank	
Markets in Financial	124345	SANLAM SECURITIES	3
Instruments Directive	124345	UK LIMITED	
Markets in Financial	124373	BNP Paribas UK Limited	3
	124373	BNP Paribas UK Limited	3
Instruments Directive	104004	Citigneum Clabal	
Markets in Financial	124384	Citigroup Global	3
Instruments Directive	104004	Markets Limited	
Markets in Financial	124394	First Equity Limited	
Instruments Directive	104005		
Markets in Financial	124395	TD Asset	1
Instruments Directive		Administration UK	
		Limited	
Markets in Financial	124404	Paul E Schweder Miller	1
Instruments Directive		& Co	
Markets in Financial	124412	Charles Stanley & Co	3
Instruments Directive		Ltd	
Markets in Financial	124422	Nomura International	3
Instruments Directive		Plc	
Markets in Financial	124431	Barclays Capital	3
Instruments Directive		Securities Limited	
Markets in Financial	124444	Brewin Dolphin Limited	2
Instruments Directive			
Markets in Financial	124451	N M Rothschild & Sons	2
Instruments Directive		Ltd	
Markets in Financial	124482	ANZ Bank (Europe)	3
Instruments Directive		Limited	
Markets in Financial	124490	Daiwa Capital Markets	2
Instruments Directive		Europe Limited	
Markets in Financial	124509	BANK OF AMERICA	3
Instruments Directive		MERRILL LYNCH	
		INTERNATIONAL	
		LIMITED	
Markets in Financial	124512	MUFG Securities EMEA	3
Instruments Directive		plc	
Markets in Financial	124520	ICAP Securities Limited	3
Instruments Directive			
Markets in Financial	124536	J.P. Morgan Limited	
Instruments Directive			
Markets in Financial	124537	Investec Wealth &	1
Instruments Directive		Investment Limited	
Markets in Financial	124543	RBC Europe Limited	3
Instruments Directive			
Markets in Financial	124546	Sumitomo Mitsui Trust	1
Instruments Directive		International Limited	
Markets in Financial	124548	Brown Shipley & Co	3
Instruments Directive	121040	Limited	

Markata in Financial	104540	Oversia Murra Ltd		20
Markets in Financial Instruments Directive	124549	Quayle Munro Ltd		30
Markets in Financial	124563	Oakaa Lyman 8 Co		17
Instruments Directive	124003	Oakes, Lyman & Co Limited		17
Markets in Financial	124573	Capital Trust Limited		8
	124373	Capital Hust Linited		0
Instruments Directive Markets in Financial	104570	LD Morgon Furana		9
Instruments Directive	124579	J.P. Morgan Europe		9
Markets in Financial	124580	Limited AX Markets Limited		1/
Instruments Directive	124580	AX Markets Limited		16
Markets in Financial	124588	Swisscanto Funds		17
Instruments Directive	124000	Centre Limited		17
Markets in Financial	124605	BNP Paribas	1	
Instruments Directive	124605	BINP PAILDAS	1	
Markets in Financial	124611	Credit Suisse Securities		37
Instruments Directive	124011			37
Markets in Financial	124618	(Europe) Ltd Erste Group Bank AG	2	
Instruments Directive	124010	Erste Group Bark AG	2	
Markets in Financial	124624	Mitsubishi UFJ Trust		29
Instruments Directive	124024	International Limited		29
Markets in Financial	124630	Financial & General		30
Instruments Directive	124030	Securities Ltd		50
Markets in Financial	124635	The Royal Bank of	1	
Instruments Directive	124035	Scotland N.V.	1	
Markets in Financial	124658	Speirs & Jeffrey Ltd		17
Instruments Directive	124030	Spens & Jenney Etd		17
Markets in Financial	124659	Goldman Sachs		32
Instruments Directive	124037	International Bank		52
Markets in Financial	124721	Monecor (London) Ltd		38
Instruments Directive	121721			00
Markets in Financial	124756	Credit Agricole S.A.	1	
Instruments Directive		e. ea.t 7.g. eere en		
Markets in Financial	124781	HSBC Private Bank		30
Instruments Directive		(UK) Limited		
Markets in Financial	124784	Shore Capital		17
Instruments Directive		Stockbrokers Ltd		
Markets in Financial	124802	Ermgassen & Co Ltd		17
Instruments Directive		5		
Markets in Financial	124823	ICBC Standard Bank Plc		30
Instruments Directive				
Markets in Financial	124848	Freud Lemos Limited		4
Instruments Directive				
Markets in Financial	124851	Cambridge Corporate		16
Instruments Directive		Consultants Limited		
Markets in Financial	124866	Societe Generale	2	
Instruments Directive				
Markets in Financial	124885	M D Barnard & Co Ltd		8
Instruments Directive				
Markets in Financial	124899	DBS Vickers Securities		17
Instruments Directive		UK Ltd		
Markets in Financial	124913	Haitong & Company		2
Instruments Directive		(UK) Limited		
Markets in Financial	124915	UniCredit Bank AG	1	
Instruments Directive				
Markets in Financial	124920	Commerzbank AG	2	
Instruments Directive				

Markets in Financial	124940	ING Bank NV	2	
Instruments Directive	124940		Z	
Markets in Financial	124943	Skandinaviska Enskilda	1	
Instruments Directive	124943	Banken AB (Publ)	'	
Markets in Financial	124995	Courtiers Investment		30
Instruments Directive	124995	Services Limited		30
	125041			20
Markets in Financial	125041	Philip T. English		30
Instruments Directive		International Financial		
	10511/	Services Limited		
Markets in Financial	125116	Chalfont Investment		3
Instruments Directive		Consultants Limited		
Markets in Financial	125160	Radcliffe & Company		12
Instruments Directive		(Life & Pensions)		
		Limited		
Markets in Financial	125286	Westerby Investment		30
Instruments Directive		Management Limited		
Markets in Financial	125322	Kerr Henderson		30
Instruments Directive		(Financial Services)		
		Limited		
Markets in Financial	125340	Lloyd and Whyte		4
Instruments Directive		(Financial Services)		
		Limited		
Markets in Financial	125931	Campbell Thomson		29
Instruments Directive		(Insurance Services)		
		Limited		
Markets in Financial	126368	Chesterton House		30
Instruments Directive	120000	Financial Planning Ltd		00
Markets in Financial	131477	Cushman & Wakefield		27
Instruments Directive	131477	Corporate Finance		27
Instruments Directive		Limited		
Markets in Financial	131816	Smith & Williamson		32
Instruments Directive	131010	Investment Services		52
Instruments Directive		Limited		
Markets in Financial	133462			30
	133402	City & Trust Finance Limited		30
Instruments Directive	100470			20
Markets in Financial	133473	Brian J Hyman (Life &		30
Instruments Directive	100515	Pensions) Limited		
Markets in Financial	133515	Budge and Company		7
Instruments Directive		Limited		
Markets in Financial	133576	Ashcourt Rowan		30
Instruments Directive		Financial Planning		
		Limited		
Markets in Financial	134435	James Hallam Limited		30
Instruments Directive				
Markets in Financial	134905	Andrew Colyer-Worsell		29
Instruments Directive				
Markets in Financial	135202	Kreston Reeves		29
Instruments Directive		Financial Planning		
		Limited		
Markets in Financial	135266	Development Company		33
Instruments Directive		for Israel		
		(International) Limited		
Markets in Financial	135377	ISC Institutional		3
Instruments Directive		Service Center Ltd		5
Markets in Financial	135404	IDJ Limited		17
	133404			17
Instruments Directive		1		

Markets in Financial	136129	Keyte Limited		31
Instruments Directive	130129	Reyte Linited		51
Markets in Financial	136261	Banco Santander, S.A.	2	
Instruments Directive	100201		-	
Markets in Financial	136360	Prest Financial Services		30
Instruments Directive		Ltd		
Markets in Financial	136414	Tilney Financial		30
Instruments Directive		Planning Limited		
Markets in Financial	136914	Orwell Securities		7
Instruments Directive		(Ipswich) Limited		
Markets in Financial	136964	Kirrage Williams		7
Instruments Directive		Limited		
Markets in Financial	137362	Pannells Financial		31
Instruments Directive		Planning Ltd		
Markets in Financial	137656	Wingham Wyatt		29
Instruments Directive		Financial Services		
		Limited		
Markets in Financial	137684	PSFM Limited		30
Instruments Directive				
Markets in Financial	138008	SRFM Limited		30
Instruments Directive				
Markets in Financial	138065	Chate & Co Limited		11
Instruments Directive				
Markets in Financial	138777	Merlin Financial		30
Instruments Directive		Consultants Limited		
Markets in Financial	138903	Independent Wealth		4
Instruments Directive		Management		
		Consultants Ltd		
Markets in Financial	138990	Grayside Limited		29
Instruments Directive				
Markets in Financial	139100	Tufton Oceanic Ltd		12
Instruments Directive				
Markets in Financial	139122	Investcorp Securities		17
Instruments Directive		Limited		
Markets in Financial	139133	Nordea Bank Finland	1	
Instruments Directive		plc		
Markets in Financial	139179	Julius Baer		32
Instruments Directive		International Limited		
Markets in Financial	139200	Tradition (UK) Limited		31
Instruments Directive				
Markets in Financial	139203	Rickitt Mitchell &		17
Instruments Directive	100007	Partners Limited		
Markets in Financial	139207	Heritable Bank Plc		17
Instruments Directive	10000			
Markets in Financial	139228	Banco Bilbao Vizcaya	1	
Instruments Directive	100050	Argentaria SA		
Markets in Financial	139253	Jefferies International		36
Instruments Directive	1000/0	Ltd	1	
Markets in Financial	139269	Jyske Bank A/S	1	
Instruments Directive	140440	T.D.C. Independent		20
Markets in Financial	140448	T.R.S. Independent		30
Instruments Directive	140450	Financial Advisors		24
Markets in Financial	140459	Britannic Trading Ltd		31
Instruments Directive	4 4 0 7 7 0			0.1
Markets in Financial	140773	W H Ireland Limited		31
Instruments Directive		1		

Markets in Financial	140818	E*Trade Securities	30
Instruments Directive	140010	Limited	30
Markets in Financial	140822	Instinet Europe Limited	31
Instruments Directive	140022	Instinet Europe Einited	51
Markets in Financial	140824	NCL Investments	16
Instruments Directive	140024	Limited	10
Markets in Financial	140825	Madoff Securities	10
Instruments Directive	140025	International Limited	10
Markets in Financial	140836	CLSA (UK)	31
Instruments Directive	140030	CESA (UK)	51
Markets in Financial	140839	Kaupthing Singer &	30
Instruments Directive	140039	Friedlander Limited	50
Markets in Financial	140854	Jones Lang Lasalle	18
Instruments Directive	140054	Corporate Finance	10
Instruments Directive		Limited	
Markets in Financial	140948	BELLECAPITAL UK	16
Instruments Directive	140946	LIMITED	18
Markets in Financial	141157	Triland Metals Ltd	30
Instruments Directive	141157	Triand Metals Ltd	30
Markets in Financial	141274	lunitor Accot	25
	141274	Jupiter Asset	25
Instruments Directive Markets in Financial	141275	Management Limited	15
	141275	Larpent Newton & Co	15
Instruments Directive Markets in Financial	141202	Ltd	9
	141282	TD Direct Investing	9
Instruments Directive	141455	(Europe) Limited	10
Markets in Financial	141455	Winterflood Securities	18
Instruments Directive	141667	Ltd NS PARTNERS LTD	17
Markets in Financial	141007	INS PARTNERS LTD	17
Instruments Directive Markets in Financial	141//0	Nuuraan Deel Estate	1/
	141668	Nuveen Real Estate	16
Instruments Directive	140005	Management Limited	17
Markets in Financial	142235	Stockcube Research	17
Instruments Directive	1404/0	Limited	
Markets in Financial	142468	Chamberlyns(Leicesters	29
Instruments Directive	140404	hire)Ltd	1
Markets in Financial	142484	Capita Employee	I
Instruments Directive	142400	Benefits Limited	17
Markets in Financial	142499	Barons Financial	17
Instruments Directive	142040	Services (UK) Ltd	2
Markets in Financial	142840	Arle Capital Partners	3
Instruments Directive	142888	Limited	4 5
Markets in Financial	142888	Goldman Sachs	65
Instruments Directive	142014	International Threadneedle	1
Markets in Financial	143014		I
Instruments Directive	142020	International Limited	
Markets in Financial	143020	Sumitomo Mitsui Asset	2
Instruments Directive		Management (London)	
	4 4 9 9 9 7	Limited	
Markets in Financial	143097	Premier Fund Managers	2
Instruments Directive	140004	Ltd	
Markets in Financial	143286	London and Capital	6
Instruments Directive		Asset Management	
		Limited	
Markets in Financial	143340	Clarges Capital Limited	29
Instruments Directive			

Markets in Financial	143390	Telford Mann Limited	29
Instruments Directive			
Markets in Financial	143396	D K Wild & Company	4
Instruments Directive		Limited	
Markets in Financial	143694	Blankstone Sington	9
Instruments Directive		Limited	
Markets in Financial	143715	Cave & Sons Limited	6
Instruments Directive			
Markets in Financial	143893	International Asset	17
Instruments Directive		Management Ltd	
Markets in Financial	144003	VTB Capital plc	30
Instruments Directive			
Markets in Financial	144038	Edmond de Rothschild	8
Instruments Directive		Capital Holdings	
		Limited	
Markets in Financial	144104	Magill & Company	30
Instruments Directive		Limited	
Markets in Financial	144197	IFPC Limited	1
Instruments Directive			
Markets in Financial	144206	Schroder & Co Ltd	31
Instruments Directive			
Markets in Financial	144340	Cobra Financial	30
Instruments Directive		Services Limited	
Markets in Financial	144345	FIL Pensions	30
Instruments Directive		Management	
Markets in Financial	144519	Pearson Jones Plc	30
Instruments Directive			
Markets in Financial	144822	Numis Securities	29
Instruments Directive		Limited	
Markets in Financial	144827	Seilern Investment	18
Instruments Directive		Management Ltd	
Markets in Financial	144846	Maybank Kim Eng	7
Instruments Directive		Securities (London) Ltd	
Markets in Financial	144885	Richmond House	31
Instruments Directive		Wealth Management	
Markets in Financial	144940	Save & Invest	31
Instruments Directive		(Financial Planning)	
		Limited	
Markets in Financial	145024	Pinemont Securities	3
Instruments Directive	14500/	Limited	
Markets in Financial	145026	Daniel Stewart &	29
Instruments Directive Markets in Financial	145229	Company Plc J C Rathbone	17
Instruments Directive	145229		17
Markets in Financial	145930	Associates Ltd Western Asset	30
Instruments Directive	145950		30
Instruments Directive		Management Company Limited	
Markets in Financial	146002	R C Brown Investment	2
Instruments Directive	140002	Management Plc	2
Markets in Financial	146003	Abbey National	30
Instruments Directive	140003	Treasury Services Plc	30
Markets in Financial	146274	Dowgate Capital	6
Instruments Directive	140274	Stockbrokers Limited	0
Markets in Financial	146287	David Booler &	7
	140287		/
Instruments Directive		Company	

Markets in Financial	146307	BNP Paribas	30
Instruments Directive	140007	Commodity Futures Ltd	50
Markets in Financial	146311	AMT Futures Limited	15
Instruments Directive	140011		10
Markets in Financial	146504	Royal Bank of Canada	30
Instruments Directive	110001	Investment	
		Management (UK) Ltd	
Markets in Financial	146522	London Court Limited	21
Instruments Directive	140022		21
Markets in Financial	146576	Pershing Securities Ltd	30
Instruments Directive	140070	r craining becanties Eta	50
Markets in Financial	146629	Shore Capital and	16
Instruments Directive	140029	Corporate Limited	10
Markets in Financial	146665	State Street Global	32
Instruments Directive	140000	Advisors Limited	32
Markets in Financial	146691		1
	140091	Techinvest Limited	
Instruments Directive Markets in Financial	14(70)	Credit Suisse	2.4
	146702	International	34
Instruments Directive	146768		20
Markets in Financial	146768	The Share Centre	30
Instruments Directive	14(072	Limited	1
Markets in Financial	146873	SVM Asset Management	1
Instruments Directive	11/000	Limited	
Markets in Financial	146880	Tullett Prebon (Europe)	33
Instruments Directive		Limited	
Markets in Financial	146961	Maple Securities (UK)	17
Instruments Directive		Ltd	
Markets in Financial	147083	Lake Asset	6
Instruments Directive		Management Limited	
Markets in Financial	147086	HarbourVest Partners	31
Instruments Directive		(U.K) Limited	
Markets in Financial	147091	Tullett Prebon	30
Instruments Directive		(Equities) Limited	
Markets in Financial	147150	Merrill Lynch	35
Instruments Directive		International	
Markets in Financial	147209	Cambria Ltd	30
Instruments Directive			
Markets in Financial	147212	Goldman Sachs Asset	30
Instruments Directive		Management	
		International	
Markets in Financial	147392	Altorfer Financial	30
Instruments Directive		Management Limited	
Markets in Financial	147406	J O Hambro Capital	16
Instruments Directive		Management Limited	
Markets in Financial	147475	Lehman Brothers	31
Instruments Directive		International (Europe)	
Markets in Financial	147543	Tradition Financial	31
Instruments Directive		Services Limited	
Markets in Financial	147608	Weston-Cummins	29
Instruments Directive		Limited	
Markets in Financial	147821	Cambridge Fund	2
Instruments Directive		Managers Ltd	
Markets in Financial	147876	Financial Advice and	30
Instruments Directive		Services Limited	
Markets in Financial	147956	AllianceBernstein	20
Instruments Directive		Limited	

Markets in Financial	148021	Fieldstone Private		29
	148021			29
Instruments Directive Markets in Financial	148029	Capital Group Ltd Partridge Muir &		29
Instruments Directive	140029	Warren Limited		29
Markets in Financial	148033	Fiduciary Trust		13
Instruments Directive	140033	International Ltd		15
Markets in Financial	148474	ADM Investor Services		18
Instruments Directive	148474	International Limited		18
Markets in Financial	148496	MM Wealth Ltd		23
Instruments Directive	140490			23
Markets in Financial	148577	Porkolov Morgan		30
	148577	Berkeley Morgan Limited		30
Instruments Directive Markets in Financial	148680			3
Instruments Directive	148080	Hoegh Capital Partners Limited		3
Markets in Financial	140400	Close Investments		0
	148682			8
Instruments Directive	14077/	Limited	1	
Markets in Financial	148776	Banque et Caisse	I	
Instruments Directive		D'Epargne de L'Etat,		
Manhata in Financial	140024	Luxembourg		17
Markets in Financial	148924	Klesch & Company		17
Instruments Directive	14000/			10
Markets in Financial	148926	F&C Asset Managers		10
Instruments Directive	1400/7	Ltd		47
Markets in Financial	148967	Shinkin International		17
Instruments Directive	1 40050	Ltd		
Markets in Financial	149058	Davy Asset	1	
Instruments Directive	4 4 9 4 4 5	Management Limited		10
Markets in Financial	149145	Queen Street Finance		12
Instruments Directive	1 101 10	Ltd		
Markets in Financial	149148	Williams de Broe		11
Instruments Directive	1 10107	Limited		
Markets in Financial	149187	Danske Bank	1	
Instruments Directive	1 4 9 9 4 9	International SA		
Markets in Financial	149240	Mirae Asset Securities		17
Instruments Directive		(UK) Ltd		
Markets in Financial	149243	Svenska	2	
Instruments Directive		Handelsbanken AB		
		(Publ)		
Markets in Financial	149303	PIMCO Europe Ltd		32
Instruments Directive	4 4 9 9 5 4			
Markets in Financial	149356	Henderson Fund		1
Instruments Directive		Management Limited		
Markets in Financial	149380	Cantor Fitzgerald		30
Instruments Directive		Europe		
Markets in Financial	149420	Brooks Macdonald		3
Instruments Directive		Financial Consulting Ltd		
Markata in Financial	140465	UniCradit Dank Austria	1	
Markets in Financial	149465	UniCredit Bank Austria		
Instruments Directive	140507	AG Mondrian Invostment		
Markets in Financial	149507	Mondrian Investment		5
Instruments Directive	140040	Partners Limited		~ 7
Markets in Financial	149813	Middlefield		17
Instruments Directive	4 (2 2 2 -	International Ltd		
Markets in Financial	149828	ALPs F S Limited		30
Instruments Directive				

Markata in Financial	140070			20
Markets in Financial	149970	Hargreaves Lansdown		30
Instruments Directive	150000	Stockbrokers Limited		17
Markets in Financial	150000	Hermes Investment		17
Instruments Directive	150010	Management Ltd	2	
Markets in Financial	150018	Deutsche Bank AG	2	
Instruments Directive				
Markets in Financial	150100	Dimensional Fund		16
Instruments Directive		Advisors Ltd		
Markets in Financial	150126	MGP Investment		6
Instruments Directive		Management Limited		
Markets in Financial	150142	C.Czarnikow Sugar		1
Instruments Directive		Futures Ltd		
Markets in Financial	150285	ABS Financial Planning		3
Instruments Directive		Limited		
Markets in Financial	150317	Rutherford Wilkinson		30
Instruments Directive		Limited		
Markets in Financial	150433	Raiffeisen Bank	2	
Instruments Directive		International AG		
Markets in Financial	152753	Helm Godfrey Partners		29
Instruments Directive		Ltd		
Markets in Financial	153566	Julian Harris Financial		1
Instruments Directive		Consultants		
Markets in Financial	153704	The ECU Group Public		27
Instruments Directive		Limited Company		
Markets in Financial	153730	Christchurch		13
Instruments Directive		Investment		_
		Management Limited		
Markets in Financial	153871	Pavis Financial		4
Instruments Directive		Management Limited		
Markets in Financial	153989	Laver Financial Limited		30
Instruments Directive				
Markets in Financial	154182	City & Merchant Limited		5
Instruments Directive	101102	only a merchant Emitted		Ũ
Markets in Financial	154210	Abbey Stockbrokers		17
Instruments Directive	101210	Limited		.,
Markets in Financial	154234	Tullett Prebon		31
Instruments Directive	104204	(Securities) Limited		51
Markets in Financial	154238	Mizuho Capital Markets		17
Instruments Directive	104200	(UK) Ltd		.,
Markets in Financial	154608	Canaccord Genuity		9
Instruments Directive	134000	Financial Planning		7
Instruments Directive		Limited		
Markets in Financial	154622	Greystone Financial		10
Instruments Directive	154022	Services Limited		10
Markets in Financial	154697	Objective Completion		11
Instruments Directive	104097	Limited		11
Markets in Financial	154750	T B Patterson		30
	154750	Associates		30
Instruments Directive Markets in Financial	154798	Coultas & Co Limited		16
	104/98			10
Instruments Directive	154017	Valo Incuranzo Sonvisco		7
Markets in Financial	154917	Vale Insurance Services		/
Instruments Directive	15 4000	Limited		
Markets in Financial	154939	Thinc Group Limited		30
Instruments Directive				
Markets in Financial	155051	City Equities Limited		14
Instruments Directive				

Markets in Financial	155104	Beaufort Securities	17
Instruments Directive	155104	Limited	17
Markets in Financial	155200	Northland Capital	14
Instruments Directive	155200	Partners Limited	14
Markets in Financial	155201	Arundel Group Limited	6
Instruments Directive	155201	Arunder Group Linned	8
Markets in Financial	155240	L.D. Morgon Socurities	24
	155240	J.P. Morgan Securities	36
Instruments Directive	155241	plc Dowon Dortington & Co	5
Markets in Financial	155241	Rowan Dartington & Co	5
Instruments Directive	155592	Ltd Culross Global	1
Markets in Financial	155592		15
Instruments Directive	155505	Management Limited	
Markets in Financial	155595	BARCLAYS	30
Instruments Directive			
	150700	SOLUTIONS LIMITED	
Markets in Financial	158790	VSA Capital Limited	30
Instruments Directive	4500/0		
Markets in Financial	159263	Sundt & Company Ltd	1
Instruments Directive	4500/7		
Markets in Financial	159367	CBRE Indirect	30
Instruments Directive		Investment Services	
	1501//	Limited	
Markets in Financial	159466	Full Circle Asset	28
Instruments Directive		Management Limited	
Markets in Financial	161196	Icap Energy Limited	31
Instruments Directive			
Markets in Financial	161197	BROKERTEC EUROPE	61
Instruments Directive	4 (4 5 0 5		
Markets in Financial	161585	Aquila Financial	14
Instruments Directive	4(1700	Management Limited	
Markets in Financial	161780	IK Investment Partners	26
Instruments Directive	1(1007	Limited	
Markets in Financial	161807	G H Financials Ltd	14
Instruments Directive	1(0007		10
Markets in Financial	163037	CIMB Securities (UK)	13
Instruments Directive	1/0110	Ltd	
Markets in Financial	163119	Bradbury Hamilton	30
Instruments Directive	4 (000 (Limited	
Markets in Financial	163296	Thomas Grant & Co Ltd	1
Instruments Directive	1 (00 00		
Markets in Financial	163299	London and Oxford	29
Instruments Directive	1 (0 (0 0	Capital Markets Limited	
Markets in Financial	163439	Shamrock Partners Ltd	14
Instruments Directive			
Markets in Financial	163587	Corbett Keeling Limited	30
Instruments Directive			
Markets in Financial	164384	Pro Capital Ltd	17
Instruments Directive			
Markets in Financial	164686	Clubb Capital Limited	17
Instruments Directive			
Markets in Financial	164689	Swiss Investment	17
Instruments Directive		Corporation Limited	
Markets in Financial	165169	Tilney Investment	30
Instruments Directive		Management Services	
		Limited	

Markets in Financial	165225	Basil R N Mavroleon	5
Instruments Directive	100220		5
Markets in Financial	165328	Manulife Asset	30
Instruments Directive		Management (Europe)	
		Limited	
Markets in Financial	165359	Old Mutual Wealth	1
Instruments Directive		Limited	
Markets in Financial	165731	Medical & Executive	1
Instruments Directive		Financial Services	
Markets in Financial	165934	Morgan Stanley & Co	30
Instruments Directive		Ltd	
Markets in Financial	165935	Morgan Stanley & Co.	33
Instruments Directive		International Plc	
Markets in Financial	166003	Savills Capital Advisors	30
Instruments Directive		Limited	
Markets in Financial	166063	Kempen Capital	6
Instruments Directive		Management (UK)	
		Limited	
Markets in Financial	169628	Bank of Scotland plc	30
Instruments Directive			
Markets in Financial	169760	King & Shaxson Capital	15
Instruments Directive		Limited	
Markets in Financial	169805	Finantia UK Limited	6
Instruments Directive			
Markets in Financial	170039	Brett & Randall	3
Instruments Directive		Financial Services	
		Limited	
Markets in Financial	170053	Sciens Capital Limited	19
Instruments Directive			
Markets in Financial	170064	BNP Paribas Asset	30
Instruments Directive		Management UK	
		Limited	
Markets in Financial	170423	HSBC Alternative	28
Instruments Directive		Investments Limited	
Markets in Financial	170435	TT International	18
Instruments Directive			
Markets in Financial	170479	BB Securities Ltd	17
Instruments Directive			
Markets in Financial	170601	Baring Asset	17
Instruments Directive		Management Limited	
Markets in Financial	170627	CMC Spreadbet Plc	19
Instruments Directive			
Markets in Financial	170913	Aldbourne Investment	1
Instruments Directive		Management Limited	
Markets in Financial	170937	BMO Capital Markets	31
Instruments Directive		Limited	
Markets in Financial	170942	Notz Stucki (London)	1
Instruments Directive		Limited	
Markets in Financial	171195	Blue Planet Investment	1
Instruments Directive		Advisers Ltd	
Markets in Financial	171279	Fieldings Investment	1
Instruments Directive		Management Ltd	
Markets in Financial	171458	Partner Capital Limited	16
Instruments Directive			
Markets in Financial	171459	MMC Securities	31
Instruments Directive		(Europe) Limited	

Markets in Financial	171483	Fraser Finance Limited		10
Instruments Directive				_
Markets in Financial	171487	Walbrook Capital		29
Instruments Directive		Markets Limited		
Markets in Financial	171596	Cooperatieve Rabobank	1	
Instruments Directive		U.A.		
Markets in Financial	171646	Belgrave Capital		16
Instruments Directive		Management Ltd		
Markets in Financial	171837	Kotak Mahindra (UK)		12
Instruments Directive		Limited		
Markets in Financial	171847	Old Mutual Global		29
Instruments Directive		Investors (UK) Limited		
Markets in Financial	171935	SMBC Nikko Capital		30
Instruments Directive		Markets Limited		
Markets in Financial	171941	Shell International		30
Instruments Directive		Trading and Shipping		
		Company Limited		
Markets in Financial	171982	Atlantis Investment		10
Instruments Directive		Management Limited		
Markets in Financial	172071	PRICOA Capital Group		15
Instruments Directive		Limited		
Markets in Financial	172073	SMBC Derivative		29
Instruments Directive		Products Limited		
Markets in Financial	172074	Korea Investment &		11
Instruments Directive		Securities Europe Ltd.		
Markets in Financial	172140	J & E Davy (UK)		2
Instruments Directive		Limited		_
Markets in Financial	172330	Investec Bank PLC		30
Instruments Directive				
Markets in Financial	172337	Arlington Group Asset		17
Instruments Directive		Management Limited		
Markets in Financial	172405	Coller Capital Limited		30
Instruments Directive	172100			00
Markets in Financial	172759	Oechsle International		9
Instruments Directive	1,2,0,	Advisors Limited		,
Markets in Financial	172999	Charlemagne Capital		18
Instruments Directive	1,2,,,,	(UK) Limited		10
Markets in Financial	173030	TD Securities Limited		30
Instruments Directive	1,0000			00
Markets in Financial	173076	John Eames Limited		29
Instruments Directive	1,00,0			27
Markets in Financial	173269	Graham Corry Cheevers		30
Instruments Directive	1,020,			00
Markets in Financial	173730	CMC Markets UK plc		38
Instruments Directive	1,0,00	onio marketo ok pie		00
Markets in Financial	174863	Kyte Broking Limited		31
Instruments Directive	174000	Ryte Broking Einited		51
Markets in Financial	175725	Albourne Partners		31
Instruments Directive	175725	Limited		51
Markets in Financial	175853	Daiwa Corporate		10
Instruments Directive	175055	Advisory Limited		10
Markets in Financial	176477	AKFP Ltd		1
Instruments Directive	1/04//			1
Markets in Financial	176483	Exane Limited		30
	1/0483			30
Instruments Directive	170405			50

17/404		20
176484		30
47/7/0		
176763		20
170/00		10
178638		19
178690		30
178718	Soditic Limited	16
178723		17
178733	5	18
178744		30
178882	-	1
179213	King & Shaxson Limited	17
179387	Wild & Company	3
	Limited	
179391	Clarksons Platou	30
	Futures Limited	
179392	Emergent Asset	5
	Management Limited	
179466	LaSalle Investment	20
	Management	
179731	Blevins Franks Financial	3
	Management Limited	
179752	Brookson Financial	9
	Limited	
179854	Timothy James and	13
	Partners Ltd	
180462	Hydra Capital	17
	Management Limited	
180563	Smith & Williamson	31
	Financial Services	
	Limited	
180564	BIA Financial Planning	7
	Ltd	
180770	Aurum Funds Limited	30
180771	Gazelle Corporate	3
	-	
180892	Blackfriars Asset	15
	Management Limited	
181136		42
181192		17
181199		31
		51
	Limited	
181602	Limited SSY Futures Limited	30
	179391 179392 179466 179466 179731 179752 179854 180462 180563 180563 180564 180770	Management Limited176763LGM Investments Limited178638BlackRock International, Limited178690Perspective Financial Management Limited178718Soditic Limited178718Soditic Limited178723Union Investment Management Limited178733Bryan Garnier & Co Limited178744BASF Metal Forwards Limited178745GE Asset Management Limited179213King & Shaxson Limited179387Wild & Company Limited179391Clarksons Platou Futures Limited179392Emergent Asset Management179731Blevins Franks Financial Management179752Brookson Financial Limited179754Timothy James and Partners Ltd180563Smith & Williamson Financial Services Limited180564BIA Financial Planning Ltd180770Aurum Funds Limited180892Blackfriars Asset Management Limited181136MFS International (UK) Limited181192Optiva Securities Limited

Markets in Financial	181608	Bryan Garnier Asset		1
Instruments Directive	101000	Management Limited		•
Markets in Financial	181653	C-View Limited		4
Instruments Directive	101000			•
Markets in Financial	181768	Philip J Milton &		29
Instruments Directive	101700	Company Plc		- /
Markets in Financial	181966	Pictet Asset		25
Instruments Directive	101700	Management Limited		25
Markets in Financial	182008	Willis Towers Watson		17
Instruments Directive	102000	Securities Europe		17
		Limited		
Markets in Financial	182011	Canaccord Genuity		31
Instruments Directive		Limited		
Markets in Financial	182032	AV Trinity Limited		4
Instruments Directive				
Markets in Financial	182064	Bank of China		30
Instruments Directive		International (UK) Ltd		
Markets in Financial	182082	Hannah Consultancy		30
Instruments Directive		Limited		
Markets in Financial	182109	Currency Insight		16
Instruments Directive		Limited		
Markets in Financial	182110	London Capital Group		33
Instruments Directive		Ltd		
Markets in Financial	182643	FINANCIAL FUTURES		10
Instruments Directive		FA LIMITED		
Markets in Financial	182644	Mazars Financial		11
Instruments Directive		Planning Limited		
Markets in Financial	183332	Halifax Share Dealing		31
Instruments Directive		Limited		
Markets in Financial	183361	UTI International		31
Instruments Directive		Limited		
Markets in Financial	183415	Newedge Group	1	
Instruments Directive				
Markets in Financial	183732	NCM Fund Services		29
Instruments Directive		Limited		
Markets in Financial	183766	Bradshaw Asset		8
Instruments Directive		Management Limited		
Markets in Financial	183859	Triad Securities Limited		15
Instruments Directive				
Markets in Financial	183924	Financial Risk		14
Instruments Directive		Management Limited		
Markets in Financial	184046	Atkins Bland Limited		29
Instruments Directive				
Markets in Financial	184113	Capita IRG Trustees		31
Instruments Directive		Limited		
Markets in Financial	184256	Britannic Energy		31
Instruments Directive		Trading Limited		
Markets in Financial	184258	Winton Capital		31
Instruments Directive		Management Limited		
Markets in Financial	184333	Ayondo Markets Limited		30
Instruments Directive				
Markets in Financial	184349	Continental Capital		17
Instruments Directive		Partners Limited		
Markets in Financial	184711	Gallagher Risk &		31
Instruments Directive		Reward Limited		

Markets in Financial	184786	GFI Brokers Limited	30
Instruments Directive			
Markets in Financial	184801	GFI Securities Limited	34
Instruments Directive			
Markets in Financial	184918	Brooks Macdonald	30
Instruments Directive		Asset Management	
		Limited	
Markets in Financial	184919	Hasan Financial	15
Instruments Directive		Corporation Limited	
Markets in Financial	185223	Goldenway Global	30
Instruments Directive		Investments (UK)	
		Limited	
Markets in Financial	185402	Ashmore Investment	30
Instruments Directive		Management Limited	
Markets in Financial	185561	Argyle Consulting Ltd	30
Instruments Directive	100001	Angyle consulting Eta	
Markets in Financial	185600	Rowanmoor	29
Instruments Directive	103000	Consultancy Limited	27
Markets in Financial	185621	GLG Partners UK	17
	165021	Limited	17
Instruments Directive Markets in Financial	185637	Man Solutions Limited	17
	185637	Man Solutions Limited	17
Instruments Directive	105330		
Markets in Financial	185778	Money Wise	31
Instruments Directive		Independent Financial	
		Advisers Limited	
Markets in Financial	185967	Forum Capital	17
Instruments Directive		International Limited	
Markets in Financial	185971	Ashburton (UK) Limited	20
Instruments Directive			
Markets in Financial	186033	Traderight Limited	6
Instruments Directive			
Markets in Financial	186093	GLG Partners LP	17
Instruments Directive			
Markets in Financial	186147	Asset Management One	24
Instruments Directive		International Ltd.	
Markets in Financial	186250	Intelligent Pensions Ltd	29
Instruments Directive			
Markets in Financial	186291	The R. A. Roberts	9
Instruments Directive		Partnership Ltd	
Markets in Financial	186419	Pi Financial Ltd	8
Instruments Directive			
Markets in Financial	186440	Globe Independent	30
Instruments Directive		Financial Advisors Ltd	
Markets in Financial	186599	Novitas Partners	2
Instruments Directive	1000//	Limited	2
Markets in Financial	186616	Smith & Pinching	15
Instruments Directive	100010	5	15
Markets in Financial	186677	Financial Services Ltd Teathers Limited	20
	1800//	Teathers Limited	30
Instruments Directive	10/740		
Markets in Financial	186740	Pictet Global Markets	24
Instruments Directive		(UK) Limited	
Markets in Financial	186745	Wells Fargo Securities	32
Instruments Directive		International Limited	
Markets in Financial	186761	Doherty Pension &	3
Instruments Directive		Investment	
		Consultancy Limited	

Markets in Financial	186764	The Link Asset and	31
Instruments Directive		Securities Company	
		Limited	
Markets in Financial	186814	Aon Securities Limited	30
Instruments Directive			
Markets in Financial	186891	Renaissance Capital	30
Instruments Directive		Limited	
Markets in Financial	186892	Alpha Bank A.E.	1
Instruments Directive	100072		·
Markets in Financial	186996	The Ethical Investment	30
Instruments Directive	100770	Co-operative Limited	
Markets in Financial	187211	Campbell &	29
Instruments Directive	107211	McConnachie	27
Markets in Financial	187358	State Street Europe	30
	18/358	Limited	30
Instruments Directive	107050		
Markets in Financial	187359	Falcon Private Wealth	27
Instruments Directive	107417		
Markets in Financial	187417	EES Capital Trustees	24
Instruments Directive	107110	Limited	
Markets in Financial	187419	Pavilion Alternatives	30
Instruments Directive		Group Limited	
Markets in Financial	187492	Bloomberg Tradebook	31
Instruments Directive		Europe Limited	
Markets in Financial	187498	Strenuus Capital Ltd	17
Instruments Directive			
Markets in Financial	187629	EC Hambro Rabben &	17
Instruments Directive		Partners Ltd	
Markets in Financial	187863	Swiss Re Capital	30
Instruments Directive		Markets Limited	
Markets in Financial	188130	Amius Limited	29
Instruments Directive			
Markets in Financial	188146	K & R Partners Limited	17
Instruments Directive			
Markets in Financial	188244	Raymond James	45
Instruments Directive		Financial International	
		Limited	
Markets in Financial	188356	CRT CAPITAL (UK)	12
Instruments Directive		LIMITED	
Markets in Financial	188406	Standard Life	31
Instruments Directive		Investments Limited	
Markets in Financial	188523	AXA Investment	14
Instruments Directive		Managers GS Limited	
Markets in Financial	188534	Computershare	32
Instruments Directive	100001	Investor Services Plc	
Markets in Financial	188584	Tradition Securities and	2
Instruments Directive	100004	Futures SA	2
Markets in Financial	188587	N M Rothschild Europe	17
Instruments Directive	100307	Partnership	
Markets in Financial	188591	Investment Technology	1
	160041		'
Instruments Directive	100/11	Group Europe Limited	
Markets in Financial	188611	Blacktower Financial	4
Instruments Directive	400/1-	Management Ltd	
Markets in Financial	188615	Fidelius Ltd	29
Instruments Directive			
Markets in Financial	188619	Balmoral Asset	2
Instruments Directive		Management Limited	

Markets in Financial	188620	Platinum Portfolios	1
Instruments Directive	100020	Limited	4
Markets in Financial	188624	XBZ Limited	12
Instruments Directive	100024	XBZ Limited	12
Markets in Financial	188637	Berkshire Capital	16
Instruments Directive	100037	Securities Ltd	10
Markets in Financial	188676	IT Asset Management	1
Instruments Directive	100070	TT Asset Management	1
Markets in Financial	188753	Direct Sharedeal Ltd	2
Instruments Directive	100733	Direct Sharedear Etd	2
Markets in Financial	188757	Rometsch & Moor	31
Instruments Directive	100737	Limited	51
Markets in Financial	188821	Kinmont Limited	10
Instruments Directive	100021	Kinnont Ennited	10
Markets in Financial	188924	EuroMTS Limited	32
Instruments Directive	100724	Edrown's Einnied	52
Markets in Financial	188984	ICAP Europe Limited	31
Instruments Directive	100704		51
Markets in Financial	189068	William Blair	28
Instruments Directive	107000	International Limited	20
Markets in Financial	189090	KCG Europe Limited	31
Instruments Directive	107070		51
Markets in Financial	189147	Atlantic-Pacific Capital	13
Instruments Directive	107147	Limited	15
Markets in Financial	189154	RBC Global Asset	17
Instruments Directive	109154	Management (UK)	17
Instruments Directive		Limited	
Markets in Financial	189170	Plutusgroup Ltd	31
Instruments Directive	109170		51
Markets in Financial	189174	Lord North Street	29
Instruments Directive	109174	Limited	27
Markets in Financial	189175	Wilmington Capital	17
Instruments Directive	107175	Limited	17
Markets in Financial	189219	James Brearley & Sons	4
Instruments Directive	107217	Limited	4
Markets in Financial	189221	Shackleton Finance	9
Instruments Directive	107221	Limited	7
Markets in Financial	189316	Conning Asset	30
Instruments Directive	107510	Management Limited	50
Markets in Financial	189318	Sanlam International	4
Instruments Directive	10/310	Investments Ltd	
Markets in Financial	189431	Poyry Capital Limited	17
Instruments Directive	107401		
Markets in Financial	189461	Wealth and Tax	29
Instruments Directive	107401	Management Limited	27
Markets in Financial	189495	Angel Corporate	2
Instruments Directive	109495	Finance Limited	2
Markets in Financial	189570	Black Kettle	16
Instruments Directive	109570	International Limited	10
Markets in Financial	189652	AISA Direct Ltd	18
Instruments Directive	107052		
Markets in Financial	189812	Brains Inc Limited	30
Instruments Directive	107012		30
	100004	Stamford Accordiates	10
Markets in Financial	189834	Stamford Associates	18
Instruments Directive		Limited	

Markets in Financial	189954	Monahans Financial		7
Instruments Directive	107754	Services Limited		'
Markets in Financial	189955	Intermediate Capital		31
Instruments Directive	107755	Managers Limited		51
Markets in Financial	189961	Cantor Fitzgerald	1	
Instruments Directive	107701	Ireland Limited	1	
Markets in Financial	189974	Lonsdale Financial		30
Instruments Directive	107774	Consulting Ltd		30
Markets in Financial	189983	Toyota Tsusho Metals		30
Instruments Directive	109903	Limited		30
Markets in Financial	189997	Tilney Asset		30
Instruments Directive	109997	Management Services		30
Instruments Directive		Limited		
Markets in Financial	189998	Janus Capital		34
Instruments Directive	189998			34
	190011	International Limited		2.2
Markets in Financial	190011	Wallwood Consultants		32
Instruments Directive	100010	Limited		
Markets in Financial	190012	Arbor Research &		6
Instruments Directive	100057	Trading UK Limited		
Markets in Financial	190057	Simmons & Company		14
Instruments Directive	400070	International Limited		
Markets in Financial	190079	Lovewell Blake		30
Instruments Directive		Financial Planning		
		Limited		
Markets in Financial	190116	Winter Financial		30
Instruments Directive		Services Ltd		
Markets in Financial	190181	Adviser Business		8
Instruments Directive		Solutions Ltd		
Markets in Financial	190249	Starmark Investment		3
Instruments Directive		Management Limited		
Markets in Financial	190258	NGAM UK Limited		11
Instruments Directive				
Markets in Financial	190266	Brown Brothers		21
Instruments Directive		Harriman Investor		
		Services Ltd		
Markets in Financial	190267	Payden & Rygel Global		17
Instruments Directive		Limited		
Markets in Financial	190270	Marechale Capital PLC		29
Instruments Directive				
Markets in Financial	190351	Ralston Bennett		31
Instruments Directive		Financial Planning		
		Limited		
Markets in Financial	190412	Stifel Nicolaus Europe		31
Instruments Directive		Limited		
Markets in Financial	190539	RPG Consulting Limited		2
Instruments Directive				
Markets in Financial	190551	Interactive Investor		17
Instruments Directive		Trading Limited		
Markets in Financial	190567	Beauregard Capital		17
Instruments Directive		Limited		
Markets in Financial	190608	ECM Asset Management		16
Instruments Directive		Limited		
Markets in Financial	190632	Tradition London		31
Instruments Directive		Clearing Ltd		
	190653	WeatherXchange		17
Markets in Financial	190053			

Markets in Financial	190662	Och-Ziff Management	10
Instruments Directive	190002	Europe Limited	10
Markets in Financial	190699	Credo Corporate	3
Instruments Directive	170077	Finance Limited	5
Markets in Financial	190748	Stenham Asset	28
Instruments Directive	170740	Management (UK) Plc	20
Markets in Financial	190750	J.P. Morgan	34
Instruments Directive	170730	International Bank	54
instruments Directive		Limited	
Markets in Financial	190780	First Global (UK)	8
Instruments Directive	170700	Limited	0
Markets in Financial	190782	Spinnaker Capital	11
Instruments Directive		Limited	
Markets in Financial	190856	Integrated Financial	30
Instruments Directive		Arrangements LTD	
Markets in Financial	190859	The Whitechurch	15
Instruments Directive		Network Limited	
Markets in Financial	190864	Gain Capital -	30
Instruments Directive		Forex.Com UK Limited	
Markets in Financial	190910	Trinity Group Limited	30
Instruments Directive			
Markets in Financial	190911	Guy Butler Limited	28
Instruments Directive		,	
Markets in Financial	190941	Spreadex Limited	17
Instruments Directive			
Markets in Financial	190987	Jesus J Mora Del Rio	4
Instruments Directive			
Markets in Financial	191074	Avior Capital Markets	27
Instruments Directive		International Limited	
Markets in Financial	191115	Sanford C. Bernstein	33
Instruments Directive		Limited	
Markets in Financial	191120	Principal Global	14
Instruments Directive		Investors (Europe)	
		Limited	
Markets in Financial	191123	N W Brown & Company	13
Instruments Directive		Limited	
Markets in Financial	191261	SinoPac Securities	7
Instruments Directive		(Europe) Limited	
Markets in Financial	191278	Sterling ISA Managers	1
Instruments Directive		Limited	
Markets in Financial	191287	Evans Randall	14
Instruments Directive		Investment	
		Management Limited	
Markets in Financial	191383	Harrington Wood Bath	29
Instruments Directive		Limited	
Markets in Financial	191520	Curzon Capital Limited	17
Instruments Directive			
Markets in Financial	191521	Integral Asset	19
Instruments Directive	101105	Management Ltd	
Markets in Financial	191600	Lambert Energy	18
Instruments Directive	101105	Advisory Limited	
Markets in Financial	191609	Fisher Investments	36
Instruments Directive	101/75	Europe Limited	
Markets in Financial	191657	Piper Jaffray Ltd	30
Instruments Directive			

Markets in Financial	191660	Idealing.com Limited		6
Instruments Directive	191000	Idealing.com Linited		0
Markets in Financial	191667	Morton-Wilson		4
Instruments Directive	191007	Associates Limited		4
Markets in Financial	191713	SEI Investments		19
Instruments Directive	171713	(Europe) Limited		17
Markets in Financial	191757	ICAP Global Derivatives		31
Instruments Directive	171757	Limited		51
Markets in Financial	191857	Euro-IB Limited		1
Instruments Directive	191037	Edio-ID Elitited		I
Markets in Financial	191858	Intesa Sanpaolo SpA	1	
Instruments Directive	191030		' ' '	
Markets in Financial	191905	Denholm Hall Capital		27
Instruments Directive	171703	Markets Limited		21
Markets in Financial	191916	Northern Trust Global		32
Instruments Directive	171710	Investments Limited		52
Markets in Financial	192132	First Capital		29
Instruments Directive	172102	Corporation Limited		27
Markets in Financial	192133	Veronis Suhler		15
Instruments Directive	172100	Stevenson International		10
		Limited		
Markets in Financial	192141	Unigestion (UK) Limited		17
Instruments Directive	.,			.,
Markets in Financial	192162	Rasini Fairway Capital		30
Instruments Directive		Ltd		
Markets in Financial	192261	Muzinich & Co. Limited		22
Instruments Directive				
Markets in Financial	192356	Clear Markets Europe		31
Instruments Directive		Limited		
Markets in Financial	192403	ACPI Investments		30
Instruments Directive		Limited		
Markets in Financial	192618	Baker Tilly Financial		30
Instruments Directive		Management Limited		
Markets in Financial	192638	The On-Line		30
Instruments Directive		Partnership Limited		
Markets in Financial	192666	Origen Financial		30
Instruments Directive		Services Limited		
Markets in Financial	192799	Highbridge Capital		27
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	192815	Hartmann Capital		20
Instruments Directive		Limited		
Markets in Financial	192936	Algo Capital		27
Instruments Directive		Management Limited		
Markets in Financial	193023	Eastwood Anglo		3
Instruments Directive		Corporate Finance		
		Limited		
Markets in Financial	193027	Marex Spectron		32
Instruments Directive		International Limited		
Markets in Financial	193030	Kerford Investments		9
Instruments Directive		(UK) Limited		
Markets in Financial	193050	UBS (Luxembourg) S.A.	1	
Instruments Directive				
Markets in Financial	193085	Progress Financial		2
Instruments Directive		Planning Ltd		

Markets in Financial	193138	Perry Appleton		1
Instruments Directive	175150	Financial Management		
		Limited		
Markets in Financial	193418	PGIM LIMITED		31
Instruments Directive	170110			01
Markets in Financial	193420	AlixPartners Corporate		30
Instruments Directive	170120	Finance Ltd		00
Markets in Financial	193503	Sanlam Wealth		29
Instruments Directive	170000	Planning UK Ltd		2,
Markets in Financial	193700	Newscape Capital		2
Instruments Directive	173700	Group Limited		2
Markets in Financial	193705	Tradeweb Europe		30
Instruments Directive	170700	Limited		00
Markets in Financial	193707	Aberdeen Asset		16
Instruments Directive	173707	Investments Limited		10
Markets in Financial	193758	ASM Financial Planning		3
Instruments Directive	173730	Limited		5
Markets in Financial	193905	Macquarie Capital		34
Instruments Directive	173703	(Europe) Limited		54
Markets in Financial	194050	Henderson Equity		5
Instruments Directive	194030	Partners Limited		5
Markets in Financial	194126	Pareto Securities		17
Instruments Directive	194120	Limited		17
Markets in Financial	194225	Liability Solutions		16
Instruments Directive	194225	Limited		10
Markets in Financial	194226	NIBC Bank N.V.	1	
Instruments Directive	194220		'	
Markets in Financial	194229	Lindsell Train Limited		1
Instruments Directive	174227			1
Markets in Financial	194231	Coronation		31
Instruments Directive	194231	International Limited		31
Markets in Financial	194248	Piraeus Bank S.A.	1	
Instruments Directive	194240	Fildeus Balik S.A.	1	
Markets in Financial	194522	GE Capital Limited		27
Instruments Directive	194522	GE Capital Linited		21
Markets in Financial	194525	State Street Global		31
Instruments Directive	194525	Markets International		51
Instruments Directive		Limited		
Markets in Financial	194570	Canada Life Asset		3
Instruments Directive	194570			5
Markets in Financial	194662	Management Limited BARINGS (U.K.)		22
Instruments Directive	194002	LIMITED		22
Markets in Financial	194667	T. Rowe Price		38
Instruments Directive	17400/	International Ltd		30
Markets in Financial	194710	Hammond Raggett &		30
Instruments Directive	194710			30
Markets in Financial	194713	Company Limited		30
Instruments Directive	194713	Raymond James Investment Services		30
		Ltd		
Markets in Financial	194722	HFM Columbus Asset		11
Instruments Directive		Management Limited		
Markets in Financial	194783	Ludgate Investments		14
Instruments Directive		Limited		
Markets in Financial	194795	Devon Capital Advisors		17
Instruments Directive		Limited		

Markata in Financial	104020	Europa Dartaara Limitad	20
Markets in Financial	194820	Europa Partners Limited	30
Instruments Directive Markets in Financial	194926	E D & E Man Capital	31
	194920	E D & F Man Capital	31
Instruments Directive Markets in Financial	194927	Markets Limited	20
	194927	Canaccord Genuity	30
Instruments Directive	10400/	Wealth Limited	11
Markets in Financial	194986	ePlanet Capital Limited	11
Instruments Directive	105020		17
Markets in Financial	195028	P-Solve Investments	17
Instruments Directive	105000	Limited	
Markets in Financial	195029	Oakley Capital Limited	30
Instruments Directive	105001		
Markets in Financial	195081	Strategic Asset	30
Instruments Directive	10500/	Managers Limited	
Markets in Financial	195086	Leo Fund Managers	1
Instruments Directive		Limited	
Markets in Financial	195199	Lighthouse Advisory	34
Instruments Directive		Services Limited	
Markets in Financial	195265	Carrousel Capital	2
Instruments Directive		Limited	
Markets in Financial	195355	IG Markets Limited	41
Instruments Directive			
Markets in Financial	195430	Morgan Stanley Bank	31
Instruments Directive		International Limited	
Markets in Financial	195432	Cutfield Freeman & Co	14
Instruments Directive		Limited	
Markets in Financial	195453	Orbit Investment	27
Instruments Directive		Securities Services Plc	
Markets in Financial	195456	Fidante Partners Europe	30
Instruments Directive		Limited	
Markets in Financial	195463	Macrocapital Limited	5
Instruments Directive			
Markets in Financial	195522	Indigo Financial	3
Instruments Directive		Advisors Limited	
Markets in Financial	195536	Analyst Investment	3
Instruments Directive		Management Plc	
Markets in Financial	195579	Miller Capital Partners	10
Instruments Directive		Limited	
Markets in Financial	195581	TMS Capital Limited	30
Instruments Directive			
Markets in Financial	195597	Torch Partners	33
Instruments Directive		Corporate Finance	
		Limited	
Markets in Financial	195764	Troy Asset Management	12
Instruments Directive		Limited	
Markets in Financial	195898	Aberdeen Private Equity	30
Instruments Directive		Advisers Limited	
Markets in Financial	195914	Bourne Park Capital	27
Instruments Directive		Limited	
Markets in Financial	195915	Assured Guaranty	14
Instruments Directive		Finance Overseas Ltd	
Markets in Financial	196001	S G Wealth	9
Instruments Directive		Management Limited	
Markets in Financial	196178	Valentine Smith Limited	4
Instruments Directive			

Markets in Financial	196277	ZAN Partners Limited	30
Instruments Directive	190277	ZAN Partners Linnted	30
Markets in Financial	196460	Praefinium Partners Ltd	16
Instruments Directive	190400		10
Markets in Financial	196462	Campbell Lutyens & Co.	27
Instruments Directive	170402	Ltd	27
Markets in Financial	196482	Haitong Securities (UK)	31
Instruments Directive	190462	Limited	51
Markets in Financial	196484	Ingenious Corporate	30
Instruments Directive	170404	Finance Limited	50
Markets in Financial	196601	MarketAxess Europe	30
Instruments Directive	190001	Limited	
Markets in Financial	196669	Deloitte Total Reward	4
Instruments Directive	190009	and Benefits Limited	4
Markets in Financial	196845	Alcentra Limited	21
Instruments Directive	170045	Alcentia Linited	21
Markets in Financial	196923	Fredericks Michael & Co	1
Instruments Directive	170723	Limited	1
Markets in Financial	197008	Impax Asset	14
Instruments Directive	197000	Management Limited	14
Markets in Financial	197193	PKF Cooper Parry	29
Instruments Directive	177175	Wealth Limited	27
Markets in Financial	197230	Catalyst Investment	25
Instruments Directive	177230	Group Limited	25
Markets in Financial	197236	Agincourt Financial	31
Instruments Directive	177230	Limited	51
Markets in Financial	197242	PGD Strategy Limited	30
Instruments Directive	177242	FGD Strategy Linited	50
Markets in Financial	197244	TFS Derivatives Limited	32
Instruments Directive	177244		52
Markets in Financial	197249	CIT Financial Services	3
Instruments Directive	177247	Limited	5
Markets in Financial	197251	Chatham Financial	23
Instruments Directive	177201	Europe Ltd	20
Markets in Financial	197330	Arjent Limited	17
Instruments Directive	177330		.,
Markets in Financial	197340	Heartwood Wealth	31
Instruments Directive	177010	Management Limited	01
Markets in Financial	197343	GAMCO Asset	30
Instruments Directive	177545	Management (UK)	50
		Limited	
Markets in Financial	197438	Ermin Fosse Financial	30
Instruments Directive	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Management LLP	50
Markets in Financial	197481	Duet Alternative	30
Instruments Directive	177101	Investments (UK)	00
		Limited	
Markets in Financial	197497	MVision Private Equity	17
Instruments Directive	1,7,4,7,	Advisers Limited	.,
Markets in Financial	197511	Poalim Asset	17
Instruments Directive	177311	Management (UK)	
Instruments Directive		Limited	
Markets in Financial	197515	M&G International	17
Instruments Directive	177515	Investments Limited	17
Markets in Financial	198003	Inter-UK Financial	29
	190003		29
Instruments Directive		Services Limited	

Markets in Financial	198039	Liquidnot Europo		28
Instruments Directive	198039	Liquidnet Europe Limited		28
Markets in Financial	204419	Nomura Bank		31
Instruments Directive	204419	International Plc		31
Markets in Financial	204425	Scotiabank Europe Plc		32
Instruments Directive	204425	Scotlabalik Europe Fic		32
	204(40	Cummus Deputer Dept	1	
Markets in Financial	204649	Cyprus Popular Bank	1	
Instruments Directive	204720	Public Co Ltd		
Markets in Financial	204720	Banco de Sabadell	1	
Instruments Directive	204721	The Coverner and	2	
Markets in Financial	204721	The Governor and	2	
Instruments Directive		Company of the Bank		
Manhata in Financial	204721	of Ireland		
Markets in Financial	204731	DNB Bank ASA	1	
Instruments Directive				
Markets in Financial	204740	Credit Industriel et	1	
Instruments Directive	004740	Commercial		
Markets in Financial	204748	Aareal Bank AG	1	
Instruments Directive				
Markets in Financial	204753	Dexia Credit Local SA	1	
Instruments Directive				
Markets in Financial	204779	Landesbank Baden-	1	
Instruments Directive		Wurttemberg		
Markets in Financial	204793	Allied Irish Banks Plc	2	
Instruments Directive				
Markets in Financial	204817	DVB Bank SE	1	
Instruments Directive				
Markets in Financial	204819	IKB Deutsche	1	
Instruments Directive		Industriebank AG		
Markets in Financial	204827	Citigroup Global	1	
Instruments Directive		Markets Deutschland		
		AG		
Markets in Financial	206017	Reuters Transaction		30
Instruments Directive		Services Limited		
Markets in Financial	206018	TFS-ICAP		31
Instruments Directive				
Markets in Financial	206092	Natixis	1	
Instruments Directive				
Markets in Financial	206687	Achmea Asset	1	
Instruments Directive		Management BV		
Markets in Financial	206691	AFS Brokers B.V.	1	
Instruments Directive				
Markets in Financial	206692	AIB Corporate Finance	1	
Instruments Directive		Limited		
Markets in Financial	206693	Absalon Capital	1	
Instruments Directive		Fondsmaeglerselskab		
		A/S		
Markets in Financial	206695	Alfred Berg Norge ASA	1	
Instruments Directive				
Markets in Financial	206696	All Trading Brokers	2	
Instruments Directive		Europe, Sociedad de		
		Valores SA		
Markets in Financial	206697	AXA Multimanager SA	1	
Instruments Directive				
Markets in Financial	206699	BCP Asset Management	1	
Instruments Directive	2000//	Ltd	'	
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206700	Alpha Einanco	1
208700	-	I
206701		1
200701	Amster Securities IV	'
206703	Amsterdams	1
200703		'
206705		2
200703	Divi Tanbas Arbitrage	Z
206706	ABG Sundal Collier ASA	1
200700		·
206709	Anton Von Below Co	1
200707		
206713	Carnegie AS	1
200710	ourriegie no	
206714	Aragon	1
200711	-	
206715		2
200710		_
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206720		1
200720		
206724	Delta Partners Limited	2
		_
206732	Du Pasquier & Cie	1
	-	
206736	· · · · · · · · · · · · · · · · · · ·	1
206737		1
	AS	
206738	Fischer Partners	1
	Fondkommission AB	
206740	MFEX Mutual Funds	1
206741	Fondsfinans AS	1
206742	Cyclos Securities	1
206743	Fortis Clearing	1
	Amsterdam BV	
206745	FTI Finance Ltd	1
206748	SUPRIS Investment-	1
	Service GmbH	
206750	E*TRADE Sverige AB	1
206753	Eptasim Sim SpA	1
206754	Equita SIM S.p.A.	1
206755	Erik Penser	1
	Bankaktiebolag	
206756	Espirito Santo Financial	1
	Consultants	
	206740 206741 206742 206743 206745 206748 206750 206753 206754 206755	Investment Services S.A.206701Amstel Securities NV206703Amsterdams Effectenkantoor B.V.206705BNP Paribas Arbitrage206706ABG Sundal Collier ASA206709Anton Von Below Co206713Carnegie AS206714Aragon Fondkommission AB206715C WorldWide Asset Management Fondsmæglerselskab A/S206720Aurel-BGC206732Du Pasquier & Cie (France)206736C-QUADRAT Kapitalanlage AG206737FIBA Nordic Securities AS206740MFEX Mutual Funds Exchange AB206741Fondsfinans AS206742Cyclos Securities AS206743Fortis Clearing Amsterdam BV206744SUPRIS Investment- Service GmbH206750E*TRADE Sverige AB206751Erik Penser Bankaktiebolag206754Equita SIM S.p.A.206756Espirito Santo Financial

markets in Financial Instruments Directive 206759 Estlander & Ronnlund Capital Management Limited Markets in Financial Instruments Directive 206759 Estlander & Ronnlund Capital Management Oy Markets in Financial Instruments Directive 206760 Estlander & Ronnlund Capital Management Oy Markets in Financial Instruments Directive 206761 Pioneer Investment Management Limited Markets in Financial Instruments Directive 206764 IWB B V. 1 Markets in Financial Instruments Directive 206767 Evli Securities Pic Investors Dublin Limited 1 Markets in Financial Instruments Directive 206769 Fidelity Investment Services GmbH 1 Markets in Financial Instruments Directive 206774 Lee Overlay Partners Lid 2 Markets in Financial Instruments Directive 206777 ACMP Limited 1 Markets in Financial Instruments Directive 206777 ACMP Limited 1 Markets in Financial Instruments Directive 206777 ACMP Limited 1 Markets in Financial Instruments Directive 206770 Merrion Stockbrokers Ltd 1 Markets in Financial Instruments Directive 206786 Merrion Stockbrokers Ltd 1 Market	Markets in Financial	206758	ESAF - Espirito Santo	1
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Instruments DirectiveSociedade Financeira de Corretagem S.A.Markets in Financial Instruments Directive206791NeoNet Securities AB1Markets in Financial Instruments Directive206794Haighton & Ruth BV1Markets in Financial Instruments Directive206795Norden Fondsmeglerforretning AS1Markets in Financial Instruments Directive206796Harvest Financial Fondsmeglerforretning AS1Markets in Financial Instruments Directive206796Harvest Financial Derivatives SA1Markets in Financial Instruments Directive206797NIBC Petercam Derivatives SA1Markets in Financial Instruments Directive206799Clarksons Platou Securities AS1Markets in Financial Instruments Directive206799Clarksons Platou Securities AS1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1	Instruments Directive		Markets S.A.	
de Corretagem S.A.Markets in Financial Instruments Directive206791NeoNet Securities AB1Instruments Directive206794Haighton & Ruth BV1Markets in Financial Instruments Directive206795Norden1Markets in Financial Instruments Directive206796Harvest Financial1Markets in Financial Instruments Directive206796Harvest Financial1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206797Clarksons Platou1Markets in Financial Instruments Directive206799Clarksons Platou1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1	Markets in Financial	206790	ů.	1
Markets in Financial Instruments Directive206791NeoNet Securities AB1Markets in Financial Instruments Directive206794Haighton & Ruth BV1Markets in Financial Instruments Directive206795Norden1Markets in Financial Instruments Directive206796Norden1Markets in Financial Instruments Directive206796Harvest Financial1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206799Clarksons Platou1Markets in Financial Instruments Directive206709Clarksons Platou1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1	Instruments Directive		Sociedade Financeira	
Instruments Directive206794Haighton & Ruth BV1Instruments Directive206794Haighton & Ruth BV1Instruments Directive206795Norden1Instruments Directive206796Harvest Financial1Instruments Directive206796Harvest Financial1Instruments Directive206797NIBC Petercam1Instruments Directive206797NIBC Petercam1Instruments Directive206799Clarksons Platou1Instruments Directive206799Clarksons Platou1Instruments Directive206799Clarksons Platou1Instruments Directive206801Nuntius Brokerage &1Instruments Directive206801Nuntius Brokerage &1Instruments Directive206801Nuntius Brokerage &1				
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Instruments Directive206795Norden1Markets in Financial Instruments Directive206795Norden1Markets in Financial Instruments Directive206796Harvest Financial Services Ltd1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206797NIBC Petercam1Markets in Financial Instruments Directive206799Clarksons Platou1Markets in Financial Instruments Directive206799Clarksons Platou1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1				
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Instruments DirectiveFondsmeglerforretning ASMarkets in Financial Instruments Directive206796Harvest Financial Services Ltd1Markets in Financial Instruments Directive206797NIBC Petercam Derivatives SA1Markets in Financial Instruments Directive206797Clarksons Platou Securities AS1Markets in Financial Instruments Directive206709Clarksons Platou Securities AS1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1				
ASMarkets in Financial Instruments Directive206796 206796 Services LtdHarvest Financial Services Ltd1 Services LtdMarkets in Financial Instruments Directive206797NIBC Petercam Derivatives SA1 Clarksons Platou Securities ASMarkets in Financial Instruments Directive206799Clarksons Platou Securities AS1 Clarksons Platou Securities ASMarkets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1 Clarksons Platou		206795		1
Markets in Financial Instruments Directive206796 Services LtdHarvest Financial Services Ltd1Markets in Financial Instruments Directive206797NIBC Petercam Derivatives SA1Markets in Financial Instruments Directive206799Clarksons Platou Securities AS1Markets in Financial Instruments Directive206801Nuntius Brokerage & S.A.1	Instruments Directive		5 5	
Instruments DirectiveServices LtdMarkets in Financial206797NIBC Petercam1Instruments DirectiveDerivatives SA1Markets in Financial206799Clarksons Platou1Instruments DirectiveSecurities AS1Markets in Financial206801Nuntius Brokerage &1Instruments DirectiveSecurities AS1Markets in Financial206801Nuntius Brokerage &1Instruments DirectiveS.A.S.A.1	Markets in Financial	206796		1
Markets in Financial Instruments Directive206797NIBC Petercam Derivatives SA1Markets in Financial Instruments Directive206799Clarksons Platou Securities AS1Markets in Financial Instruments Directive206801Nuntius Brokerage & Investment Services S.A.1		200770		'
Instruments DirectiveDerivatives SAMarkets in Financial206799Clarksons Platou1Instruments DirectiveSecurities AS1Markets in Financial206801Nuntius Brokerage &1Instruments DirectiveInvestment Services5.A.		206797		1
Markets in Financial Instruments Directive206799 Securities ASClarksons Platou Securities AS1Markets in Financial Instruments Directive206801 Investment Services S.A.1		200777		'
Instruments DirectiveSecurities ASMarkets in Financial206801Nuntius Brokerage & 1Instruments DirectiveInvestment Services1S.A.S.A.S.A.		206799		1
Markets in Financial Instruments Directive206801Nuntius Brokerage & Investment Services S.A.1		200777		·
Instruments Directive Investment Services S.A.		206801		1
S.A.		200001	J	·
	Markets in Financial	206805		1
Instruments Directive				

Markets in Financial	206806	Oolders Heijning	1
Instruments Directive	200800	Voogelaar	1
Markets in Financial	206807	Optiver VOF	1
Instruments Directive	200607	Optiver vor	1
Markets in Financial	206808	SEB Enskilda ASA	1
	200606	SED ELISKIIUA ASA	1
Instruments Directive	00/000		1
Markets in Financial	206809	HQ, SE	1
Instruments Directive		Fondkommission AB	
Markets in Financial	206810	Pantelakis Securities SA	1
Instruments Directive			
Markets in Financial	206811	HSBC Van Meer James	1
Instruments Directive		Capel NV	
Markets in Financial	206812	Credit Agricole Asset	1
Instruments Directive		Management S.A. (CA-	
		AM)	
Markets in Financial	206814	Investment Technology	2
Instruments Directive		Group Limited	
Markets in Financial	206815	Irish Life Investment	1
Instruments Directive		Managers Limited	
Markets in Financial	206823	Procorp ASA	1
Instruments Directive			
Markets in Financial	206824	Quadriga Asset	1
Instruments Directive		Management GmbH	
Markets in Financial	206825	Rabo Olsen Global	1
Instruments Directive		Overlay Strategies BV	
Markets in Financial	206837	SG Securities (Paris)	1
Instruments Directive		SA	
Markets in Financial	206843	OTCex SA	2
Instruments Directive			
Markets in Financial	206844	Cheuvreux SA.	1
Instruments Directive			
Markets in Financial	206849	VPM	1
Instruments Directive		Vermogensverwaltungs	
		AG	
Markets in Financial	206851	Sundal Collier & Co as	1
Instruments Directive			
Markets in Financial	206852	UBS Securities France	1
Instruments Directive		SA	
Markets in Financial	206854	TD Global Finance	1
Instruments Directive	200001	Unlimited Company	
Markets in Financial	206856	Wesa Effecten BV	1
Instruments Directive	200000		
Markets in Financial	206860	Yokohama Finance	1
Instruments Directive	200000	(Europe) SA	·
Markets in Financial	206861	Treugeld	1
Instruments Directive	200001	Vermogensploanungs	'
		Gmbh	
Markets in Financial	206863	Tullett & Tokyo Forex	1
Instruments Directive	200003	Belgium SA	'
Markets in Financial	206864	Marsh Treasury	1
Instruments Directive	200004	Services (Dublin)	'
		Limited	
Markets in Financial	206866	Nobel	1
	200000		'
Instruments Directive	20/201	Vermogensbeheer N.V	1
Markets in Financial	206891	Clearstream Banking	1
Instruments Directive		S.A.	

Markets in Financial	206895	Bank Julius Baer	1	
Instruments Directive		Luxembourg S.A		
Markets in Financial	206903	Credit Suisse	1	
Instruments Directive	200700	(Luxembourg) SA		
Markets in Financial	206912	Deutsche Bank	1	
Instruments Directive	200712	Luxembourg SA		
Markets in Financial	206932	Exane Finance	1	
Instruments Directive	200732		'	
Markets in Financial	206940	BNP Paribas Securities	2	
Instruments Directive	200940	Services	2	
Markets in Financial	206958	Edmond de Rothschild	1	
	200956		1	
Instruments Directive Markets in Financial	206066	(Europe)	1	
	206966	J.P. Morgan Bank	1	
Instruments Directive	20722/	Dublin Plc	1	
Markets in Financial	207236	NORD/LB Luxembourg	1	
Instruments Directive		S.A. Covered Bond		
		Bank		
Markets in Financial	207254	Danske Bank Plc	1	
Instruments Directive				
Markets in Financial	207285	Intesa Sanpaolo Bank	1	
Instruments Directive		Luxembourg S.A.		
Markets in Financial	207308	National Securities SA	1	
Instruments Directive				
Markets in Financial	207359	Exane SA	1	
Instruments Directive				
Markets in Financial	207360	Ithuba Capital AG	1	
Instruments Directive				
Markets in Financial	207374	Engie Global Markets	1	
Instruments Directive				
Markets in Financial	207474	Clairville York Limited		6
Instruments Directive				
Markets in Financial	207482	Executive Benefit		30
Instruments Directive		Consultancy Limited		
Markets in Financial	207487	AFS Moneybrokers B.V.	1	
Instruments Directive		, j		
Markets in Financial	207519	Saxo Bank A/S	1	
Instruments Directive				
Markets in Financial	207644	Santander Investment	1	
Instruments Directive		Bolsa, Sociedad de		
		Valores, S.A.		
Markets in Financial	207677	Barker Financial		30
Instruments Directive		Associates		
Markets in Financial	207796	Acceleris Limited		31
Instruments Directive	2011/0			01
Markets in Financial	207801	Access Equity		30
Instruments Directive	207001	Management Limited		50
Markets in Financial	207814	AFS London Limited		17
Instruments Directive	207014	AI 5 LONGON LIMITED		17
Markets in Financial	207816	AHV Associates LLP		28
	207010	ARV ASSociates LLP		20
Instruments Directive Markets in Financial	207005	Croonbill & Co. Europa		10
	207885	Greenhill & Co. Europe		18
Instruments Directive	007000	LLP Aaronalia Canital		
Markets in Financial	207920	Acropolis Capital		16
Instruments Directive		Partners Limited		
Markets in Financial	208116	DC Dwek Corporate		31
Instruments Directive		Finance Limited		

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Markets in Financial Instruments Directive	208120	EEP Advisers Limited	17
Markets in Financial	208122	EWM Capital Limited	28
Instruments Directive	200122	Evvivi Capital Littited	28
Markets in Financial	208153	Houlihan Lokey	34
Instruments Directive	200133	(Europe) Limited	54
Markets in Financial	208159	Interactive Brokers	31
Instruments Directive	200139	(UK) Ltd	51
Markets in Financial	208165	JonesTrading	31
Instruments Directive	200103	International Limited	51
Markets in Financial	208180	Northbridge	17
Instruments Directive	200100	Management Limited	
Markets in Financial	208243	TAM Asset Management	14
Instruments Directive	200243	Ltd	14
Markets in Financial	208247	Schneider Trading	14
Instruments Directive	200247	Associates Limited	17
Markets in Financial	208253	ScottishPower Energy	6
Instruments Directive	200200	Management (Agency)	C C
		Limited	
Markets in Financial	208265	Sunrise Brokers LLP	17
Instruments Directive	200203	Summe Brokers EE	.,
Markets in Financial	208275	UBS HEDGE FUND	29
Instruments Directive	2002/0	SOLUTIONS LIMITED	27
Markets in Financial	208299	Leleux Associated	1
Instruments Directive		Brokers SA	
Markets in Financial	208330	The Whitehall	30
Instruments Directive		Partnership Limited	
Markets in Financial	208573	Wellington	21
Instruments Directive		Management	
		International Limited	
Markets in Financial	208628	Gulf Merchant Group	27
Instruments Directive		LLP	
Markets in Financial	208634	Eaton Vance	13
Instruments Directive		Management	
		(International) Limited	
Markets in Financial	208692	Method Investments &	12
Instruments Directive		Advisory Ltd	
Markets in Financial	208737	Hottinger Investment	14
Instruments Directive		Management Limited	
Markets in Financial	209161	Incapital Europe	17
Instruments Directive		Limited	
Markets in Financial	209429	Kingston PTM Limited	19
Instruments Directive			
Markets in Financial	209439	Tradition Financial	1
Instruments Directive		Services GmbH	
Markets in Financial	209500	Houlihan Lokey	8
Instruments Directive		(Financial Advisory)	
		Limited	
Markets in Financial	209529	Investment and Tax	11
Instruments Directive		Advisory Services	
		Limited	
Markets in Financial	209741	Hargreave Hale Limited	30
Instruments Directive			
Markets in Financial	209819	RFC AMBRIAN LIMITED	15
Instruments Directive			

Markets in Financial	210058	Compass Advisers		17
Instruments Directive	210030	Limited		17
Markets in Financial	210106	Fin-Eco Sim SpA	1	
Instruments Directive	210100	I III-Eco SIIII SPA		
Markets in Financial	210129	HSBC Private Bank	1	
Instruments Directive	210127	(Luxembourg) S.A.	1	
Markets in Financial	210208	Joseph R Lamb		30
Instruments Directive	210200	Independent Financial		50
Instruments Directive		Advisers Limited		
Markets in Financial	210281	Global Coal Limited		29
Instruments Directive	210201	Global Coal Elimited		27
Markets in Financial	210393	Credit Agricole	1	
Instruments Directive	210373	Cheuvreux Nordic AB	1	
Markets in Financial	210394	Alder Capital	1	
Instruments Directive	210394	Designated Activity	1	
Instruments Directive		Company		
Markets in Financial	210414	Brandon Hill Capital		24
Instruments Directive	210414	Limited		24
Markets in Financial	210428	Tury Invest GmbH	1	
Instruments Directive	210420	Tury invest Gilbh	1	
Markets in Financial	210429	Piraeus Securities S.A.	1	
Instruments Directive	210429	Fildeus Securities S.A.	1	
Markets in Financial	210430	Megatrust Securities	1	
Instruments Directive	210430	S.A.	1	
Markets in Financial	210473	Natixix Corporate	1	
	210473	Soultions Limited	I.	
Instruments Directive Markets in Financial	210507	NNIP Asset	3	
Instruments Directive	210507	Management B.V, UK	3	
Instruments Directive		Branch		
Markets in Financial	210765	Omnium Capital		11
Instruments Directive	210700	Limited		
Markets in Financial	210782	PB Financial Planning		30
Instruments Directive	210702	Limited		00
Markets in Financial	211088	Alan Boswell &		30
Instruments Directive	211000	Company Limited		00
Markets in Financial	211134	CF Global Trading (UK)		6
Instruments Directive	211101	Limited		0
Markets in Financial	211205	Nemesis Asset		28
Instruments Directive	211200	Management LLP		20
Markets in Financial	211314	Tees Financial Limited		28
Instruments Directive				20
Markets in Financial	211326	ICE Markets Limited		30
Instruments Directive	211020			00
Markets in Financial	211337	Noventus Partners		29
Instruments Directive	211007	Limited		2,
Markets in Financial	211417	Sal. Oppenheim jr. et	1	
Instruments Directive	211117	Cie. KGaA		
Markets in Financial	211452	Freight Investor		30
Instruments Directive	211752	Services Limited		50
Markets in Financial	211544	Goodbody	2	
Instruments Directive	211074			
Markets in Financial	211646	Citibank Europe plc	1	
Instruments Directive	211040		'	
Markets in Financial	211661	Finacor & Associes S.A.	1	
Instruments Directive	211001	ASSULLES S.A.	'	
Instruments Directive		l		

	011705			
Markets in Financial	211725	Gate Advisors Limited		16
Instruments Directive Markets in Financial	211881	Davy Corporate Finance	1	
Instruments Directive	211001	Davy corporate Finance	1	
Markets in Financial	211883	Augusta & Co Limited		15
Instruments Directive	211003	Augusta & Co Elifited		15
Markets in Financial	211884	J & E Davy	2	
Instruments Directive	211004	JAEDavy	2	
Markets in Financial	211965	Cradit Europa Bank	1	
	211905	Credit Europe Bank N.V.	1	
Instruments Directive Markets in Financial	211989	Gleacher Shacklock LLP		14
	211989	Gleacher Shacklock LLP		16
Instruments Directive Markets in Financial	211990	Pareto Securities AS	1	
	211990	Pareto Securities AS	I	
Instruments Directive	212594		1	
Markets in Financial	212594	Aespen B.V.	I	
Instruments Directive Markets in Financial	010750	Clickentions C A	1	
	212758	Clickoptions S.A.	1	
Instruments Directive	0107(0	Determent CA	1	
Markets in Financial	212760	Petercam SA	1	
Instruments Directive	010017			
Markets in Financial	212817	Arden Asset		5
Instruments Directive		Management (UK)		
	0101(0	Limited		
Markets in Financial	213160	Earnshaw Consultants		2
Instruments Directive	010704	Limited		
Markets in Financial	213724	PFM Associates Limited		5
Instruments Directive	014000			20
Markets in Financial	214032	Arden Partners Plc		30
Instruments Directive	014004			
Markets in Financial	214036	Policy Services Limited		30
Instruments Directive	014004			
Markets in Financial	214206	Platform Securities LLP		2
Instruments Directive	014044			10
Markets in Financial	214266	Dalton Strategic		18
Instruments Directive		Partnership LLP		
Markets in Financial	214414	St. Lawrence		9
Instruments Directive		Investment & Pension		
		Solutions Ltd		
Markets in Financial	214498	MAVORS Investment		54
Instruments Directive	044554	Managers LLP		
Markets in Financial	214554	Frodsham Financial		4
Instruments Directive	01/1/5	Planning Limited		
Markets in Financial	216145	Five Arrows Managers		10
Instruments Directive	0.1/== :	LLP	 	
Markets in Financial	216704	AFH Independent		30
Instruments Directive		Financial Services		
		Limited		
Markets in Financial	216765	North Asset		6
Instruments Directive		Management LLP		
Markets in Financial	216847	DELFF Management		30
Instruments Directive		Limited		
Markets in Financial	216851	Brevan Howard Asset		30
Instruments Directive		Management LLP		
Markets in Financial	217329	Majedie Asset		14
Instruments Directive		Management Limited		

Markets in Financial	217409	Andreas Capital S.A.	1	
Instruments Directive	217409	Andreas Capital S.A.	1	
Markets in Financial	217457	EPIC Private Equity		11
Instruments Directive	217437	Limited		
Markets in Financial	217689	Forex Capital Markets		42
Instruments Directive	217007	Limited		
Markets in Financial	217702	Ramius UK Ltd		30
Instruments Directive	217702			00
Markets in Financial	217759	SSE Trading Limited		30
Instruments Directive				
Markets in Financial	217816	Sarros Securities Inc.	1	
Instruments Directive				
Markets in Financial	218253	M & B Capital Advisers,	1	
Instruments Directive		S.V., S.A.		
Markets in Financial	218270	Leucadia Investment		29
Instruments Directive		Management Limited		
Markets in Financial	218335	HSBC Financial	1	
Instruments Directive		Products (France)		
Markets in Financial	218568	Forsa	1	
Instruments Directive		Portfioliomanagement		
		GmbH		
Markets in Financial	218613	Rothschild Wealth		13
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	218677	2h Wealthcare LLP		30
Instruments Directive				
Markets in Financial	218742	Ebor Asset		7
Instruments Directive		Management LLP		
Markets in Financial	218795	The OPES Group		2
Instruments Directive		Limited		
Markets in Financial	219017	Abraxas Capital		36
Instruments Directive		Management Limited		
Markets in Financial	219346	SG Option Europe S.A	1	
Instruments Directive				
Markets in Financial	219655	AE Global Investment		27
Instruments Directive		Solutions Limited		
Markets in Financial	219675	Strata Technology		17
Instruments Directive		Partners LLP		
Markets in Financial	219706	RIA Capital Markets		30
Instruments Directive		Limited		
Markets in Financial	219918	Haitong International		30
Instruments Directive		Securities (UK) Limited		
Markets in Financial	219945	Genesis Wealth		2
Instruments Directive		Management Ltd		
Markets in Financial	219972	DMA Financial Planning		5
Instruments Directive		Ltd		
Markets in Financial	220069	Hamilton Lane (UK) Ltd		30
Instruments Directive				
Markets in Financial	220125	Merlin Financial		6
Instruments Directive		Services Limited		
Markets in Financial	220242	West Hill Corporate		31
Instruments Directive		Finance Limited		
Markets in Financial	220321	General Investments	1	
Instruments Directive		AG		
Markets in Financial	220386	UNIQA Alternative	1	
Instruments Directive		Investments GmbH		

Markets in Financial	220523	CME Marketing Europe		30
Instruments Directive	220525	Limited		50
Markets in Financial	220591	Mint Financial (UK)		29
Instruments Directive	220371	Limited		27
Markets in Financial	220743	Mattioli Woods PLC		15
Instruments Directive	220710			10
Markets in Financial	220908	Integrated Alternative		12
Instruments Directive	220700	Investments Limited		12
Markets in Financial	220929	SVS Securities Plc		30
Instruments Directive	220727			00
Markets in Financial	220943	ING AM Interfinance	1	
Instruments Directive	220710	Services B.V.		
Markets in Financial	220949	Wijs & Van Oostveen	1	
Instruments Directive		BV		
Markets in Financial	220950	Insinger de Beaufort	1	
Instruments Directive		Asset Management N.V.		
Markets in Financial	220988	Opstock Ltd	1	
Instruments Directive				
Markets in Financial	221138	Mansford Capital		27
Instruments Directive		Limited		
Markets in Financial	221278	David Smith Financial		9
Instruments Directive		Services LLP		
Markets in Financial	221280	AlpInvest Partners N.V.	1	
Instruments Directive				
Markets in Financial	221462	Elara Capital Plc		28
Instruments Directive				
Markets in Financial	221615	HOTCHKIS AND WILEY		17
Instruments Directive		LTD		
Markets in Financial	221840	Beehive Capital LLP		12
Instruments Directive				
Markets in Financial	222033	Swlaw Investment &		30
Instruments Directive		Financial Planning Ltd		
Markets in Financial	222054	Gems Advisors Limited		8
Instruments Directive				
Markets in Financial	222411	Matheson Financial		29
Instruments Directive		Consulting Limited		
Markets in Financial	222417	Capital & Marketing		13
Instruments Directive		International Ltd		
Markets in Financial	222782	Joh. Berenberg ,	2	
Instruments Directive		Gossler & Co. KG		
Markets in Financial	222794	CACEIS Bank	1	
Instruments Directive		Luxembourg		
Markets in Financial	222963	Apax Partners LLP		5
Instruments Directive				
Markets in Financial	223074	Tilney Asset		30
Instruments Directive		Management Limited		
Markets in Financial	223112	Best Practice IFA Group		30
Instruments Directive		Limited		
Markets in Financial	223203	FIM Securities Limited	1	
Instruments Directive				
Markets in Financial	223338	Coriolis Capital Ltd		2
Instruments Directive				
Markets in Financial	223376	Independence Wealth		30
Instruments Directive		Management Limited		

Markets in Financial	223724	Beltrae Partners		1
Instruments Directive	223724	Limited		1
Markets in Financial	223961	GuardCap Asset		31
Instruments Directive	223701	Management Limited		51
Markets in Financial	223987	Susquehanna	1	
Instruments Directive	223707	International Securities		
instruments Directive		Limited		
Markets in Financial	224011	HMS LUX S.A.	1	
Instruments Directive	224011			
Markets in Financial	224232	Unifortune Investment		29
Instruments Directive	221202	Management Limited		2,
Markets in Financial	224273	Peartree Wealth		5
Instruments Directive	221270	Management Ltd		0
Markets in Financial	224471	Dynamic Securities S.A.	1	
Instruments Directive	227771			
Markets in Financial	224510	Evolution Markets		30
Instruments Directive	224010	Limited		50
Markets in Financial	224540	GMO UK Limited		19
Instruments Directive	224540	Sivio bit Emitted		17
Markets in Financial	224621	Zeus Capital Limited		13
Instruments Directive	224021	Zeus capital Linnieu		15
Markets in Financial	224720	Howlett Reid		1
Instruments Directive	224720	Hutchinson		
Markets in Financial	224824	Asset Square	1	
Instruments Directive	224024	Asset Square		
Markets in Financial	224856	Eurex Bonds GmbH	1	
Instruments Directive	224030	Ediex Bonds Gribin		
Markets in Financial	224914	Sardis Capital Limited		30
Instruments Directive	224714	Sardis Capital Linited		30
Markets in Financial	224915	Harwood Capital LLP		1
Instruments Directive	224915	Hai wood Capital ELF		I
Markets in Financial	225050	Pacific Alternative Asset		12
Instruments Directive	225050	Management Company		12
Instruments Directive		Europe LLP		
Markets in Financial	225058	Baigrie Davies &		30
Instruments Directive	225050	Company Limited		30
Markets in Financial	225062	Liongate Capital		30
Instruments Directive	225002	Management LLP		30
Markets in Financial	225141	Equilend Europe		17
	223141	Limited		17
Instruments Directive Markets in Financial	225154	Global Equities	1	
Instruments Directive	220104	Giobal Equilles	'	
Markets in Financial	225349	HSH Nordbank AG	1	
Instruments Directive	220349		'	
Markets in Financial	225360	LF Real Estate Partners		55
Instruments Directive	220300	International UK		55
Instruments Directive		Finance Limited		
Markata in Financial	225274			4
Markets in Financial Instruments Directive	225376	McGrath Rathbone Limited		6
Markets in Financial	225440		1	
	225449	Euroxx Securities SA	1	
Instruments Directive	225474	Atlantia Equitian LLD		1 4
Markets in Financial	225474	Atlantic Equities LLP		14
Instruments Directive	005404			
Markets in Financial	225494	Edinburgh Partners		11
Instruments Directive		Limited		

Markets in Financial	225517	Octo Finances SA	1	
Instruments Directive	225517	Octo I marces SA	I	
Markets in Financial	225525	Med financial Limited		30
Instruments Directive	220020			50
Markets in Financial	225539	Otkritie Capital		30
Instruments Directive	220007	International Limited		00
Markets in Financial	225544	Louis Capital Markets		31
Instruments Directive	220011	UK LLP		0.
Markets in Financial	225649	Parel SA	1	
Instruments Directive				
Markets in Financial	225747	CTC London Ltd		1
Instruments Directive				-
Markets in Financial	225825	Meltemi Investment		30
Instruments Directive		Management Limited		
Markets in Financial	226051	Omega Bank	1	
Instruments Directive				
Markets in Financial	226244	Albemarle Asset		2
Instruments Directive		Management Ltd		
Markets in Financial	226284	Northern Trust Global		17
Instruments Directive		Services Ltd		
Markets in Financial	226344	Walker Crips		1
Instruments Directive		Stockbrokers Ltd		
Markets in Financial	226391	McArthur Smith		6
Instruments Directive		Financial Management		
		Ltd		
Markets in Financial	226558	Prudent Wealth		2
Instruments Directive		Management Limited		
Markets in Financial	226667	Pro Verum	1	
Instruments Directive		Fondkommission AB		
Markets in Financial	227466	Rosette Merchant Bank		30
Instruments Directive		LLP		
Markets in Financial	227474	Archelon Deutschland	1	
Instruments Directive		GmbH		
Markets in Financial	227519	MC Asset Management		16
Instruments Directive		Europe Limited		
Markets in Financial	227766	Linx Limited		30
Instruments Directive				
Markets in Financial	228100	PQR Financial Planning		29
Instruments Directive		Limited		
Markets in Financial	228120	MTS Deutschland AG	1	
Instruments Directive				
Markets in Financial	228130	Black River Asset		12
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	228525	Nevastar Finance Ltd		30
Instruments Directive				
Markets in Financial	228551	Sberbank CIB (UK)		31
Instruments Directive		Limited		
Markets in Financial	228616	Endeavour Capital LLP		2
Instruments Directive				
Markets in Financial	228821	B & P Fund Services AB	1	
Instruments Directive				
Markets in Financial	228827	Eiger Securities LLP		31
Instruments Directive				
Markets in Financial	229057	Castlefield Fund		30
Instruments Directive		Partners Limited		

Markets in Financial	229082	Tokio Marine Rogge		1
Instruments Directive	227002	Asset Management		I
		Limited		
Markets in Financial	229135	Ruffer LLP		22
Instruments Directive	227100			22
Markets in Financial	229257	Pembroke Asset		4
Instruments Directive	227207	Management LLP		•
Markets in Financial	229284	BGB Weston Ltd		5
Instruments Directive	227204	DOD WESton Etd		0
Markets in Financial	229285	Greyfriars Asset		6
Instruments Directive	227200	Management LLP		Ũ
Markets in Financial	229350	CVC Capital Partners		14
Instruments Directive	22,000	Limited		
Markets in Financial	229382	LLP Services Ltd		9
Instruments Directive	22,002			,
Markets in Financial	229386	Bankhouse Financial		30
Instruments Directive	22,000	Management Ltd		00
Markets in Financial	229658	Integral Development	1	
Instruments Directive	22,000	Asset Management		
Markets in Financial	229757	UBS Securities Espana,	1	
Instruments Directive	227707	Sociedad de Valores,		
		S.A.		
Markets in Financial	229760	Portland Financial		5
Instruments Directive	227700	Management (UK)		Ũ
		Limited-In Liquidation		
Markets in Financial	229906	Forexmax Ltd		27
Instruments Directive	227700			
Markets in Financial	230014	HCF International		26
Instruments Directive		Advisers Limited		20
Markets in Financial	230196	Campion Capital		12
Instruments Directive	200170	Limited		
Markets in Financial	230451	C@pitol SA	1	
Instruments Directive	200101			
Markets in Financial	230483	Anvil Partners LLP		30
Instruments Directive	200.00			00
Markets in Financial	230485	Acsel Advisors Ltd		27
Instruments Directive	200100			
Markets in Financial	230512	Prosperity Capital		16
Instruments Directive		Management (UK) Ltd		
Markets in Financial	230553	Wise Investments Ltd		10
Instruments Directive	200000			
Markets in Financial	230660	VCPartners LLP		1
Instruments Directive				
Markets in Financial	230690	Whitley Asset		3
Instruments Directive		Management Ltd		
Markets in Financial	230691	William Albert		31
Instruments Directive	200071	Securities Limited		0.
Markets in Financial	230694	Banca IMI SpA	1	
Instruments Directive				
Markets in Financial	230696	NIBC Markets B.V.	1	
Instruments Directive				
Markets in Financial	230853	Alphabet Capital		27
Instruments Directive		Advisors Ltd		- /
Markets in Financial	230922	Pioneer Global	2	
Instruments Directive	200/22	Investments Limited		

Markets in Financial	231020	Fidentiis Equities	1	
Instruments Directive		Sociedad de Valores		
		S.A.		
Markets in Financial	231157	Mako Financial Markets		28
Instruments Directive		Partnership LLP		
Markets in Financial	231230	Marshwood Financial		7
Instruments Directive		Services Ltd		
Markets in Financial	231319	UBS Italia SIM SpA	1	
Instruments Directive				
Markets in Financial	231328	I F MACKINNON &		1
Instruments Directive		COMPANY LLP		
Markets in Financial	231365	Stonehage Investment		30
Instruments Directive		Partners LLP		
Markets in Financial	231546	Bank Insinger de	1	
Instruments Directive		Beaufort NV		
Markets in Financial	231614	Swiss Life Asset	1	
Instruments Directive		Management		
		(Nederland) B.V.		
Markets in Financial	231617	Keijser Capital N.V.	1	
Instruments Directive				
Markets in Financial	231877	DM Stevenson & Co Ltd		2
Instruments Directive				
Markets in Financial	231885	PAI Partners	1	
Instruments Directive				
Markets in Financial	231914	Aurel BGC	2	
Instruments Directive				
Markets in Financial	232015	City Credit Capital (UK)		30
Instruments Directive		Ltd		
Markets in Financial	232088	Investment Quorum		30
Instruments Directive		Limited		
Markets in Financial	232104	7daysahead		29
Instruments Directive				
Markets in Financial	232185	Altima Partners LLP		19
Instruments Directive				
Markets in Financial	232199	Pershing Securities	1	
Instruments Directive		International Limited		
Markets in Financial	232201	KBC Clearing N.V.	1	
Instruments Directive				
Markets in Financial	232233	Prosperity (GB) Ltd		30
Instruments Directive				
Markets in Financial	232357	Momentum Global		20
Instruments Directive		Investment		
		Management Limited		
Markets in Financial	232394	Nordea Bank AB (publ)	1	
Instruments Directive				
Markets in Financial	232423	Bastion Capital London		30
Instruments Directive		Ltd		
Markets in Financial	232610	Jones Sheridan		31
Instruments Directive		Financial Consulting		
		Limited		
Markets in Financial	300071	Autoline Direct		1
Instruments Directive		Insurance Consultants		
		Ltd		
Markets in Financial	300182	Maidenhead & Twyford		4
Instruments Directive		I.B. Limited		

Markets in Financial	301672	Aaron Tawny Mortgages	30
Instruments Directive	301072	Limited	
Markets in Financial	302180	Cardale Financial	28
Instruments Directive	302100	Planning Ltd	20
Markets in Financial	304984	Landmark Financial	30
Instruments Directive	001/01	Limited	
Markets in Financial	310129	Route Mortgages Ltd	1
Instruments Directive	510127	Route Mortgages Etd	'
Markets in Financial	400027	Auriel Capital	30
Instruments Directive	400027	Management LLP	50
Markets in Financial	400056	Baader Helvea Limited	30
Instruments Directive	400030	Baader Hervea Einned	
Markets in Financial	400059	ABN AMRO Clearing	1
Instruments Directive	400037	Bank N.V., London	'
		Branch	
Markets in Financial	400251	Orchestra Finance LLP	26
Instruments Directive	400231	orenestra i manece lei	20
Markets in Financial	400266	Sapiance Capital Ltd	30
Instruments Directive	400200		
Markets in Financial	400273	Noordnederlands	1
Instruments Directive	400273	Effektenkantoor B.V.	·
Markets in Financial	400309	Stanhope Capital LLP	16
Instruments Directive	400007		
Markets in Financial	400316	European Capital	27
Instruments Directive	100010	Markets Ltd	27
Markets in Financial	400440	RBS Asset Management	14
Instruments Directive	100110	Ltd	
Markets in Financial	400456	Crowe Clark Whitehill	29
Instruments Directive		LLP	
Markets in Financial	400477	Market Wizards B.V.	1
Instruments Directive			
Markets in Financial	400509	Wessex Investment	30
Instruments Directive		Management Limited	
Markets in Financial	400856	FTI Financial Services	27
Instruments Directive		Ltd	
Markets in Financial	400865	Global Leisure Partners	31
Instruments Directive		LLP	
Markets in Financial	401042	Spayne Lindsay & Co.	29
Instruments Directive		LLP	
Markets in Financial	401062	Strategic Value	14
Instruments Directive		Partners (UK) LLP	
Markets in Financial	401123	Fundamental Asset	1
Instruments Directive		Management Ltd	
Markets in Financial	401132	Stargate Corporate	62
Instruments Directive		Finance Ltd	
Markets in Financial	401179	Trade Facts Ltd	18
Instruments Directive			
Markets in Financial	401190	Eurex Repo GmbH	1
Instruments Directive			
Markets in Financial	401226	Bottriell Adams LLP	30
Instruments Directive			
Markets in Financial	401283	Platinum IFS Limited	5
Instruments Directive			
Markets in Financial	401309	Mulier Capital Ltd	30
Instruments Directive			

Markets in Financial	401310	Simba Capital Ltd		19
Instruments Directive	401310	Simba Capital Ltd		19
Markets in Financial	401318	Wallich & Matthes B.V.	1	
Instruments Directive	401318			
Markets in Financial	401334	Fusion Asset		31
Instruments Directive	401334	Management LLP		51
Markets in Financial	401372	S4 Financial Ltd		1
Instruments Directive	401372			1
Markets in Financial	401398	Fitzallan Ltd		30
Instruments Directive	401370			50
Markets in Financial	401458	Kepler Cheuvreux	2	
Instruments Directive	401456	Replei Cheuvieux	2	
Markets in Financial	401543	Barings Real Estate		6
Instruments Directive	401545	Advisers Europe		0
Instruments Directive		Finance LLP		
Markets in Financial	401546			30
Instruments Directive	401546	Pharo Management (UK) LLP		30
Markets in Financial	401570	Wolfgang Steubing AG	1	
	401570	5 5 5	1	
Instruments Directive Markets in Financial	401632	Wertpapierdienstleister Herax Partners LLP		2
	401632	Herax Partners LLP		2
Instruments Directive	401675			1
Markets in Financial	401675	KBW Associates Ltd		I
Instruments Directive	401704	Kucompon Accet	1	
Markets in Financial	401724	Kvaerner Asset		
Instruments Directive	401725	Management ASA	1	
Markets in Financial	401735	Bourse Direct	1	
Instruments Directive Markets in Financial	401746	Impovetor Conital Ltd		20
	401746	Innovator Capital Ltd		28
Instruments Directive	4017/7		1	
Markets in Financial	401767	Wilshire Associates		
Instruments Directive	401771	Europe B.V.	1	
Markets in Financial	401771	Societe Generale Bank	1	
Instruments Directive	101000	& Trust		20
Markets in Financial	401809	Henderson Rowe Ltd		30
Instruments Directive	404054			20
Markets in Financial	401851	PFG-UK Ltd		30
Instruments Directive	101005	T		
Markets in Financial	401905	Titon Associates Ltd		2
Instruments Directive	404050			20
Markets in Financial	401953	Elm Capital Associates		30
Instruments Directive	400404	Ltd	4	
Markets in Financial	402194	TriOptima AB	1	
Instruments Directive	100050			20
Markets in Financial	402258	Optex Group Limited		30
Instruments Directive	10015/			
Markets in Financial	402456	Varde Partners Europe		29
Instruments Directive	100150	Ltd		
Markets in Financial	402459	KNG Securities LLP		31
Instruments Directive	10000			
Markets in Financial	402531	Saltus Partners LLP		12
Instruments Directive				
Markets in Financial	402608	MERIT Alternative	1	
Instruments Directive		Investments GmbH		
Markets in Financial	402728	First Reserve		30
Instruments Directive		International Ltd		

Markets in Financial	402730	Eseclending (Europe)		30
Instruments Directive	402730	Ltd		30
Markets in Financial	402750	Eurocorp Finance S.A	1	
Instruments Directive	402750	Eurocorp Finance S.A		
Markets in Financial	402757	MacIntosh James and		2
Instruments Directive	402757	Partners Limited		2
Markets in Financial	402764	AC Capital Partners Ltd	1	
Instruments Directive	402704	AC Capital Partners Ltu		
Markets in Financial	403031	Page Russell Ltd		29
Instruments Directive	403031	r age Russen Etu		27
Markets in Financial	403176	Fortis Investment	1	
Instruments Directive	403170	Management France		
Markets in Financial	403188	360 Treasury Systems	1	
Instruments Directive	403100	AG		
Markets in Financial	403302	Balyasny Europe Asset		6
Instruments Directive	400002	Management LLP		0
Markets in Financial	403304	Heptagon Capital LLP		27
Instruments Directive	100004			21
Markets in Financial	403317	Xconnect Trading		9
Instruments Directive	100017	Limited		,
Markets in Financial	403323	Messels Limited		31
Instruments Directive	100020			01
Markets in Financial	403428	Opus Capital Limited		27
Instruments Directive	100120	opus capital Elilitou		2,
Markets in Financial	403434	Beach Horizon LLP		27
Instruments Directive	100101			<i>_,</i>
Markets in Financial	403455	Lower Church Street		4
Instruments Directive		Limited		
Markets in Financial	403721	Panmure Gordon (UK)		30
Instruments Directive		Limited		
Markets in Financial	403829	Retirement Planning		29
Instruments Directive		Associates Limited		
Markets in Financial	407404	Rothschild HDF		13
Instruments Directive		Investment Adviser		
		Limited		
Markets in Financial	407447	CACEIS Corporate Trust	1	
Instruments Directive		(CACEIS CT)		
Markets in Financial	407891	TPG Europe, LLP		27
Instruments Directive		·		
Markets in Financial	407903	JLT Benefit Solutions		30
Instruments Directive		Ltd		
Markets in Financial	408210	Fiducia Wealth		30
Instruments Directive		Management Limited		
Markets in Financial	409087	Northumbrian Financial		28
Instruments Directive		Ltd		
Markets in Financial	409096	Concorde Ertekpapir	1	
Instruments Directive		Reszvenytarsasag		
Markets in Financial	409112	Hereford Pension,		30
Instruments Directive		Investment and		
		Mortgage Centre LLP		
Markets in Financial	409147	MEAG Munich Eergo	1	
Instruments Directive		Asset Management		
		GmbH		
Markets in Financial	409324	Bedrock Asset		8
Instruments Directive		Management (UK)		
		Limited		

Markets in Financial	409382	Morgan Stanley Bank	1	
Instruments Directive	407302	AG		
Markets in Financial	410619	Handheld Investments		1
Instruments Directive	110017	Limited		
Markets in Financial	413887	Methodology Asset		3
Instruments Directive	110007	Management (UK) LLP		0
Markets in Financial	414396	Blakeney LLP		12
Instruments Directive	414070			12
Markets in Financial	414398	Eurobond-Sales AG	1	
Instruments Directive	414070			
Markets in Financial	414858	Park Square Capital,		15
Instruments Directive	414000	LLP		10
Markets in Financial	415230	Arian Financial LLP		28
Instruments Directive	415250			20
Markets in Financial	415353	Russell Investments		19
Instruments Directive	410000	Implementation		17
Instruments Directive		Services Limited		
Markets in Financial	415559	Mirabella Financial		30
Instruments Directive	415559	Services LLP		50
Markets in Financial	415672	Dupont Denant	1	
Instruments Directive	415072	Contrepartie		
Markets in Financial	415899	ITI Capital Limited		30
Instruments Directive	415699	TTT Capital Littlited		30
Markets in Financial	416015	Neptune Investment		36
	410015	-		30
Instruments Directive Markets in Financial	416024	Management Limited Pareto Investment		27
	410024			27
Instruments Directive Markets in Financial	416226	Management Limited Thome Asset		6
Instruments Directive	410220			0
Instruments Directive		Management & Asset Controlling		
Markets in Financial	416251	Alfa Capital Holdings	2	
Instruments Directive	410251	(Cyprus) Ltd	Z	
Markets in Financial	416480	Fitzgerald Brennan	1	
Instruments Directive	410400	Asset Management	'	
Instruments Directive		Limited		
Markets in Financial	416499	Shinsei International		29
Instruments Directive	410499	Limited		27
Markets in Financial	416697	Vantage Capital		28
Instruments Directive	410097	Markets LLP		20
Markets in Financial	416900	DTZ Investment		29
Instruments Directive	410900	Management Limited		27
Markets in Financial	416932	Cenkos Securities PLC		13
Instruments Directive	410752	Centos Securities FEC		15
Markets in Financial	417618	North Bridge Capital		2
Instruments Directive	417010	Partners Limited		Z
Markets in Financial	418826	OCM Wealth		29
Instruments Directive	410020			29
Markets in Financial	419312	Management Ltd		26
Instruments Directive	419312	Christofferson Robb &		26
	410427	Company (UK) LLP SG Kleinwort Hambros	1	
Markets in Financial	419436		1	
Instruments Directive	410754	Bank Limited		
Markets in Financial	419751	Capital Deposit Limited		29
Instruments Directive	400075			
Markets in Financial	422275	GE Corporate Finance	2	
Instruments Directive		Bank SCA		

Markets in Financial	422278	Beta Securities S.A.	1	
Instruments Directive	122270			
Markets in Financial	422752	KMG Independent		5
Instruments Directive		Limited		
Markets in Financial	423869	UNIQA Finanz-Service	1	
Instruments Directive		GmbH		
Markets in Financial	424334	Resource Europe		23
Instruments Directive		Management Limited		
Markets in Financial	424760	Axon Securities S.A.	1	
Instruments Directive				
Markets in Financial	425690	Twice Sim Spa	1	
Instruments Directive				
Markets in Financial	425888	Brull Kallmus Bank AG	1	
Instruments Directive				
Markets in Financial	426348	Salus Alpha Financial	1	
Instruments Directive		Services GmbH		
Markets in Financial	426349	Thames River Capital		26
Instruments Directive		LLP		
Markets in Financial	426749	Providentia Capital LLP		31
Instruments Directive				
Markets in Financial	428358	HPC S.A.	2	
Instruments Directive				
Markets in Financial	428590	A & J Wealth		6
Instruments Directive		Management Ltd		
Markets in Financial	428754	All IPO PIc		11
Instruments Directive				
Markets in Financial	428789	Barratt & Cooke Limited		31
Instruments Directive				
Markets in Financial	428826	Caliburn Capital		9
Instruments Directive		Partners LLP		
Markets in Financial	429142	L J Financial Planning		30
Instruments Directive		Ltd		
Markets in Financial	429385	Slim Vermogensbeheer	1	
Instruments Directive		B.V		
Markets in Financial	429659	D G Pryde Limited		29
Instruments Directive				
Markets in Financial	429806	Deutsche Asset		15
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	430138	Interdin Bolsa,	1	
Instruments Directive		Sociedad De Valores,		
		S.A.		
Markets in Financial	430150	HSBC Trinkaus &	1	
Instruments Directive		Burkhardt AG		
Markets in Financial	430285	ABG Sundal Collier AB	1	
Instruments Directive				
Markets in Financial	430604	Encompass Financial		10
Instruments Directive		Management Ltd		
Markets in Financial	430914	Alternatives St James		24
Instruments Directive	100001	LLP		
Markets in Financial	430986	New College Capital Ltd		32
Instruments Directive				
Markets in Financial	431191	Atlantic Alliance Ltd		27
Instruments Directive				
Markets in Financial	431206	SCD & Co Ltd		4
Instruments Directive				

Markets in Financial	431709	Endeavour Ventures		1
Instruments Directive	431707	Limited		I
Markets in Financial	432503	Johnston Campbell Ltd		3
Instruments Directive	432303			0
Markets in Financial	432549	Computershare	1	
Instruments Directive	102017	Investor Services		
		(Ireland) Limited		
Markets in Financial	432732	Sun Trading		19
Instruments Directive	102702	International Limited		17
Markets in Financial	432886	Towers Watson Limited		31
Instruments Directive	432000			51
Markets in Financial	432894	Eturn Capital	1	
Instruments Directive		Management AB		
Markets in Financial	432985	Cadwyn Capital LLP		30
Instruments Directive	102700			00
Markets in Financial	433066	GoldenTree Asset		28
Instruments Directive	100000	Management UK LLP		20
Markets in Financial	433181	Orchard House (IFAs)		30
Instruments Directive		Ltd		
Markets in Financial	433196	Fearnley Fonds ASA	1	
Instruments Directive	100170			
Markets in Financial	433208	Fogwill & Jones Asset		30
Instruments Directive	100200	Management Ltd		00
Markets in Financial	433431	Dutch Options and	1	
Instruments Directive	100101	Futures Institute B.V.		
Markets in Financial	433476	Nordea Investment	1	
Instruments Directive	100170	Management AB		
Markets in Financial	433604	Greater Pacific Capital		29
Instruments Directive	100001	LLP		2,
Markets in Financial	433809	Argonaut Capital		1
Instruments Directive	433007	Partners LLP		I
Markets in Financial	433876	First Capital Asset	1	
Instruments Directive	433070	Managers B. V.	I	
Markets in Financial	434091	L & P Investment	1	
Instruments Directive	434071	Services Limited	I	
Markets in Financial	434351	Parker Sage		4
Instruments Directive	404001	Independent Financial		т
		Advisers Ltd		
Markets in Financial	434413	Activtrades Plc		32
Instruments Directive	-010			52
Markets in Financial	434491	UBS Europe SE	1	
Instruments Directive				
Markets in Financial	434493	S W Mitchell Capital LLP		2
Instruments Directive	-075			2
Markets in Financial	434550	Nyenburgh Holding B.V.	1	
Instruments Directive	404000	Nyeribargir Holaing D.V.	•	
Markets in Financial	434573	DIF Broker - Sociedade	1	
Instruments Directive	+3+373	Financeira de	1	
Instruments Directive		Corretagem, SA		
Markets in Financial	434823	Palatium Investment		30
Instruments Directive	434023			30
Markets in Financial	435480	Management Limited Internaxx Bank S.A.	1	
	435480	IIILEITIAXX DAIIK S.A.		
Instruments Directive	405 400	Chaucan Financeic I		-
Markets in Financial	435492	Struan Financial		5
Instruments Directive		Management Limited		

Markets in Financial	435534	Argentis Financial		Λ
Instruments Directive	400004	Management Ltd		-
Markets in Financial	435617	BNP Paribas Equities	1	
Instruments Directive	433017	France SA	, i	
Markets in Financial	435658	Lyxor Asset		30
Instruments Directive	40000	Management UK LLP		50
Markets in Financial	435690	RSJ a.s.	1	
Instruments Directive	433090	K35 a.s.	I	
Markets in Financial	435887	Merrill Lynch	2	
Instruments Directive	433007	International Bank	2	
Instruments Directive		Designated Activity		
		Company		
Markets in Financial	435939	Capital Managers LLP		29
Instruments Directive	433737	Capital Managers LEF		27
Markets in Financial	435957	Zadig Asset		1
Instruments Directive	433737	Management LLP		1
Markets in Financial	435973	Totus Capital Ltd		4
Instruments Directive	433773	Totus capital Ltu		4
Markets in Financial	436001	Alvine Capital		27
Instruments Directive	430001	Management Limited		21
Markets in Financial	436123	Credit Foncier de	1	
Instruments Directive	430123	France SA	I	
Markets in Financial	436215	Dinosaur Merchant		31
Instruments Directive	430215	Bank Limited		31
Markets in Financial	436319	Axon Partners LLP		12
	430319	Axon Partners LLP		12
Instruments Directive Markets in Financial	436869	Western Union	2	
Instruments Directive	430809	International Bank	2	
Instruments Directive		GmbH		
Markets in Financial	437511	Tredoux Capital Ltd		27
Instruments Directive	437511	Treubux Capital Ltu		27
Markets in Financial	437558	Global Investment		3
Instruments Directive	437556			3
Markets in Financial	437854	Strategy UK Ltd NIBC Wealth	1	
Instruments Directive	437034	Management NV	I	
Markets in Financial	438123	Mooreland Partners LLP		27
Instruments Directive	438123	MOOF ETAILOR PARTIERS ELP		27
Markets in Financial	420250	Evolvo Financial		5
	438250	Evolve Financial		C
Instruments Directive Markets in Financial	438377	Planning Ltd Oak Hill Advisors		27
	438377			27
Instruments Directive Markets in Financial	438417	(Europe) LLP EEA Fund Management		1
	430417	8		4
Instruments Directive Markets in Financial	420524	Limited		21
	438536	Pathway Capital		31
Instruments Directive	420122	Management (UK) Ltd		27
Markets in Financial	439122	Project Financing		27
Instruments Directive	420200	Solutions Ltd		20
Markets in Financial	439288	Face to Face Finance		30
Instruments Directive	420744	(Anglia) Ltd		40
Markets in Financial	439744	AK Jensen Limited		42
Instruments Directive	440005			
Markets in Financial	440037	Castlegreen Partners		28
Instruments Directive		LLP		
Markets in Financial	440092	Providence Capital N.V.	1	
Instruments Directive				

Markets in Financial	440130	Riverfield Partners LLP		1
	440130	Riverneid Partners LLP		I
Instruments Directive Markets in Financial	440285	BrokerCreditService	2	
Instruments Directive	440265	(Cyprus) Ltd	2	
Markets in Financial	440291	Millington Advisory		27
Instruments Directive	440291	Partners Limited		27
	440472		1	
Markets in Financial	440473	Pilot View Capital	1	
Instruments Directive	440401	Limited		
Markets in Financial	440481	MMR Financial Planning		7
Instruments Directive Markets in Financial	440617	(Midlands) Ltd Rynda Property		27
	440617	Investors LLP		27
Instruments Directive Markets in Financial	440703	Intrinsic Financial		20
	440703			30
Instruments Directive	440007	Planning Ltd	1	
Markets in Financial	440886	W & W Advisory Dublin	I	
Instruments Directive	44004(Limited		01
Markets in Financial	440946	Hawkwood Capital LLP		31
Instruments Directive	441100			4 -
Markets in Financial	441120	TLcom Capital LLP		15
Instruments Directive	444045			
Markets in Financial	441215	Merchbolsa Agencia De	1	
Instruments Directive		Valores, S.A.		
Markets in Financial	441230	GMT Communications		16
Instruments Directive		Partners LLP		
Markets in Financial	441261	Harbert European Fund		13
Instruments Directive		Advisors Ltd		
Markets in Financial	441360	Creditex Brokerage LLP		30
Instruments Directive				
Markets in Financial	441397	Morton Financial		29
Instruments Directive		Services Ltd		
Markets in Financial	441689	ACM GROUP LTD		28
Instruments Directive				
Markets in Financial	441739	Capital Fund	1	
Instruments Directive		Management S.A.		
Markets in Financial	441761	CYRRUS a.s.	1	
Instruments Directive				
Markets in Financial	441847	Promethean		30
Instruments Directive		Investments LLP		
Markets in Financial	441877	Equitrade Markets Ltd		1
Instruments Directive				
Markets in Financial	441896	Bain Capital Credit, Ltd.		31
Instruments Directive				
Markets in Financial	442229	Butler Toll Ltd		29
Instruments Directive				
Markets in Financial	442230	Nestle Capital		5
Instruments Directive		Management Ltd		
Markets in Financial	442252	JNF CAPITAL LIMITED		31
Instruments Directive				
Markets in Financial	442319	Sydbank A/S	1	
Instruments Directive				
Markets in Financial	442345	London Management		10
Instruments Directive		Group LLP		
Markets in Financial	442488	Neuberger Berman		33
Instruments Directive		Europe Limited		
Markets in Financial	442495	Pembroke Capital		27
Instruments Directive		Advisors Limited		

Markets in Financial	442735	Rothschild et	1	
Instruments Directive		Compagnie Banque		
Markets in Financial	442744	Cowen International		31
Instruments Directive	112711	Limited		01
Markets in Financial	442767	Marex Financial Limited		21
Instruments Directive				
Markets in Financial	442833	Lesmoir-Gordon, Boyle		28
Instruments Directive	112000	& Co Limited		20
Markets in Financial	443586	City House Investors		21
Instruments Directive		Limited		
Markets in Financial	445503	TSAF OTC	1	
Instruments Directive				
Markets in Financial	445531	TradeStation		29
Instruments Directive		International Ltd		
Markets in Financial	446159	SVB Financial Group UK		27
Instruments Directive		Limited		
Markets in Financial	446173	CDK Investments LLP		29
Instruments Directive				
Markets in Financial	446270	Silverpeak Capital		27
Instruments Directive		Limited		
Markets in Financial	446291	Peter R.T Holden &		6
Instruments Directive		Partners LLP		
Markets in Financial	446302	HiFM Limited		12
Instruments Directive				
Markets in Financial	446340	FIA Asset Managament	1	
Instruments Directive		SA		
Markets in Financial	446399	Bigmore Associates		5
Instruments Directive		Limited		
Markets in Financial	446442	Perinvest (UK) Limited		19
Instruments Directive				
Markets in Financial	446483	Investcorp Credit		16
Instruments Directive		Management EU		
		Limited		
Markets in Financial	446654	Greenhill Cogent		27
Instruments Directive		Europe, LLP		
Markets in Financial	446677	Spread Co Limited		30
Instruments Directive				
Markets in Financial	446717	INTL FCStone LTD		35
Instruments Directive				
Markets in Financial	446770	Victory Financial		30
Instruments Directive		Solutions Limited		
Markets in Financial	446883	Omicron Investment	1	
Instruments Directive		Management GmbH		
Markets in Financial	447032	US Kapitalanlagen Hans	1	
Instruments Directive		Dieter Neuen		
Markets in Financial	447079	European Capital		2
Instruments Directive		Financial Services Ltd		
Markets in Financial	447161	Westpac Europe Ltd		30
Instruments Directive				
Markets in Financial	447200	Caixabank SA	1	
Instruments Directive				
Markets in Financial	447220	Berchwood Partners LLP		30
Instruments Directive				
Markets in Financial	447225	Magnetar Financial		8
Instruments Directive		(UK) LLP		

Markets in Financial	447281	TS CAPITAL LIMITED		30
Instruments Directive	447201	TS CAPITAL LIMITED		30
Markets in Financial	447282	Laven Advisors LLP		18
Instruments Directive	447202			10
Markets in Financial	447450	Citadel Securities		15
Instruments Directive	447430	(Europe) Limited		10
Markets in Financial	447452	Advent Capital		31
Instruments Directive	447452	Management UK		51
		Limited		
Markets in Financial	447461	Independent Financial		31
Instruments Directive		Advisor Ltd		
Markets in Financial	447563	Karamanof Securities &	1	
Instruments Directive		Investment Services S.A.		
Markets in Financial	447678	Providence Equity LLP		30
Instruments Directive				
Markets in Financial	447825	SBICAP (UK) Ltd		7
Instruments Directive				
Markets in Financial	447884	Invista Real Estate		16
Instruments Directive		Investment		
		Management Ltd		
Markets in Financial	448002	Alpari (UK) Ltd		31
Instruments Directive				
Markets in Financial	448118	Bury Street Capital Ltd		15
Instruments Directive				
Markets in Financial	448288	Euronova Asset		30
Instruments Directive		Management UK LLP		
Markets in Financial	448348	Barmac Asset		30
Instruments Directive		Management Ltd		
Markets in Financial	448384	Sussex Partners UK Ltd		16
Instruments Directive				
Markets in Financial	448399	FIXI PIC		29
Instruments Directive				
Markets in Financial	448509	ADG Financial Products		9
Instruments Directive		LLP		
Markets in Financial	448669	Axa Investment	1	
Instruments Directive		managers IF		
Markets in Financial	448741	Cartesian Capital		1
Instruments Directive		Partners LLP		
Markets in Financial	448896	LGT Capital Partners		27
Instruments Directive		(U.K.) Limited		
Markets in Financial	449092	Dubus S.A.	1	
Instruments Directive				
Markets in Financial	449093	Sector Fund Services	1	
Instruments Directive		ASA		
Markets in Financial	449191	Merlin Partners LLP		30
Instruments Directive				
Markets in Financial	449212	Paulson Europe LLP		32
Instruments Directive				
Markets in Financial	449259	optionsXpress Europe	1	
Instruments Directive		B.V.	├ ─── │	
Markets in Financial	449269	CANTAB ASSET		2
Instruments Directive		MANAGEMENT LIMITED		
Markets in Financial	449288	Sector Omega ASA	1	
Instruments Directive				

Markets in Financial	449372	GSO Capital Partners		30
Instruments Directive		International LLP		
Markets in Financial	449468	Morningstar Investment		18
Instruments Directive		Management Europe		
		Limited		
Markets in Financial	449481	Chi-X Europe Limited		30
Instruments Directive				
Markets in Financial	449607	Tavistock Partners		4
Instruments Directive		Limited		
Markets in Financial	449720	Cornhill Capital Limited		2
Instruments Directive				
Markets in Financial	449901	Dragon Capital Markets		14
Instruments Directive		(Europe) Limited		
Markets in Financial	450187	Baader Bank AG	1	
Instruments Directive				
Markets in Financial	450188	Comgest Asset	1	
Instruments Directive		Management		
		International Limited		
Markets in Financial	450476	Orkla Finans	1	
Instruments Directive		Kapitalforvaltning ASA		
Markets in Financial	450657	Capital Advisory		28
Instruments Directive		Partners Ltd		
Markets in Financial	450729	BNP Paribas Investment	1	
Instruments Directive		Partners Netherlands		
		N.V.		
Markets in Financial	450754	J M Finn & Co Ltd		30
Instruments Directive				
Markets in Financial	451023	Novus Capital Markets		30
Instruments Directive		Ltd		
Markets in Financial	451073	Stoneware Capital LLP		23
Instruments Directive				
Markets in Financial	451230	Genesis Wealth Limited		7
Instruments Directive				
Markets in Financial	451293	Stephanie Amber Croft		6
Instruments Directive				
Markets in Financial	451343	RENAISSANCE ASSET		30
Instruments Directive		MANAGERS (UK)		
		LIMITED		
Markets in Financial	451361	Odey Wealth		30
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	451422	Tassi & Co. Ltd		27
Instruments Directive				
Markets in Financial	451446	Stone Harbor		16
Instruments Directive		Investment Partners		
		(UK), LLP		
Markets in Financial	451507	VermogensParaplu	1	
Instruments Directive		Beheer B.V.		
Markets in Financial	451624	State Street Bank	1	
Instruments Directive		International GmbH		
Markets in Financial	451695	The Exeter Practice		31
Instruments Directive		Limited		
Markets in Financial	451724	Alphaone Partners LLP		8
Instruments Directive				

Markets in Financial	452247	Broadgate Mercury	27
Instruments Directive	452247	Limited	27
Markets in Financial	452261	Equilibrium Asset	4
Instruments Directive	432201	Management LLP	
Markets in Financial	452333	BTG Pactual Europe LLP	60
Instruments Directive	102000		
Markets in Financial	452340	The Cambridge	11
Instruments Directive	102010	Strategy (Asset	
		Management) Limited	
Markets in Financial	452443	Moneycorp Financial	31
Instruments Directive		Risk Management	
		Limited	
Markets in Financial	452596	GMC Capital Partners	15
Instruments Directive		Limited	
Markets in Financial	452630	Renaissance Securities	1
Instruments Directive		(Cyprus) Ltd	
Markets in Financial	452635	Storm Capital	7
Instruments Directive		Management Ltd	
Markets in Financial	452656	AMP Capital Investors	19
Instruments Directive		(UK) Limited	
Markets in Financial	452811	Sturgeon Ventures LLP	31
Instruments Directive		5	
Markets in Financial	452865	Omega Capital Limited	1
Instruments Directive		5 1	
Markets in Financial	452877	Apollo Management	30
Instruments Directive		International LLP	
Markets in Financial	453021	Sirio Financial Advisory	28
Instruments Directive		Ltd	
Markets in Financial	453053	CBRE Clarion Securities	30
Instruments Directive		UK Limited	
Markets in Financial	453133	Phoenix Corporate	1
Instruments Directive		Finance Partners LLP	
Markets in Financial	453217	Utilyx Risk	28
Instruments Directive		Management Ltd	
Markets in Financial	453251	JPM Asset Management	29
Instruments Directive		Limited	
Markets in Financial	453328	Perella Weinberg	29
Instruments Directive		Partners UK LLP	
Markets in Financial	453635	CVC Credit Partners	28
Instruments Directive		Limited	
Markets in Financial	453653	First Avenue Partners	30
Instruments Directive		LLP	
Markets in Financial	453676	Nplus1 Singer Capital	28
Instruments Directive		Markets Limited	
Markets in Financial	453682	Hay Hill Wealth	3
Instruments Directive		Management Limited	
Markets in Financial	454067	BTTQ LIMITED	27
Instruments Directive			
Markets in Financial	454108	HSBC Bank Malta plc	1
Instruments Directive			
Markets in Financial	454270	Arma Partners LLP	15
Instruments Directive			
Markets in Financial	454330	CBA Europe Ltd	30
Instruments Directive			
Markets in Financial	454529	1st Financial Services	30
Instruments Directive		(London) Limited	

	454(70			10
Markets in Financial Instruments Directive	454670	Amala Partners LLP		12
Markets in Financial	454748	Dhoopiy Dortpore Croup		31
Instruments Directive	404740	Phoenix Partners Group LLP		31
Markets in Financial	454814	BGC Brokers L.P		31
Instruments Directive	434014	DOC DIOREIS E.I		51
Markets in Financial	454833	Brooks Macdonald		1
Instruments Directive	454655	Funds Limited		I
Markets in Financial	454878	Context Analysis		19
Instruments Directive	434070	Limited		17
Markets in Financial	455083	Paradigm Norton		29
Instruments Directive	400000	Financial Planning Ltd		27
Markets in Financial	455242	First International		30
Instruments Directive	400242	Group Plc		50
Markets in Financial	455367	Alpcot Capital		30
Instruments Directive	100007	Management Ltd		00
Markets in Financial	455405	VEM Aktienbank AG	1	
Instruments Directive	100100			
Markets in Financial	455478	IBI Corporate Finance	1	
Instruments Directive	100170	Limited		
Markets in Financial	455547	Ares Management		33
Instruments Directive		Limited		
Markets in Financial	455718	Casteel Capital LLP		30
Instruments Directive				
Markets in Financial	455771	The Investment Coach		29
Instruments Directive		Limited		
Markets in Financial	455895	Aubrey Capital		30
Instruments Directive		Management Limited		
Markets in Financial	456156	Banque Transatlantique	1	
Instruments Directive		SA		
Markets in Financial	456315	HFR Asset Management		30
Instruments Directive		U.K., Limited		
Markets in Financial	456379	Strategic Investments		1
Instruments Directive		Group Ltd		
Markets in Financial	456571	Canyon Capital		9
Instruments Directive		Advisors (Europe) Ltd		
Markets in Financial	456653	Simple Financial Advice		8
Instruments Directive		Limited		
Markets in Financial	456744	Corretaje e Información	1	
Instruments Directive		Monetaria y de Divisas,		
		Sociedad de Valores,		
		S.A.		
Markets in Financial	456745	Catalysis Capital		24
Instruments Directive		Partners Limited		
Markets in Financial	456771	Diapason Commodities		31
Instruments Directive		Management UK LLP		
Markets in Financial	456779	Global Finance &		9
Instruments Directive		Capital Limited		
Markets in Financial	456836	MVA Holdings Ltd		30
Instruments Directive				
Markets in Financial	456896	Cathedral Financial		30
Instruments Directive		Management Ltd		
Markets in Financial	456929	AS KIT Finance Europe	1	
Instruments Directive				
Markets in Financial	456970	Dodd Murray Limited		4
Instruments Directive				

Markets in Financial	457352	Mutual Financial		2
Instruments Directive	457552	Management LLP		Z
Markets in Financial	457584	ProSpreads Limited	1	
Instruments Directive	457564	Frospreads Limited	1	
Markets in Financial	457637	Tacconis Advisors & Co		1
Instruments Directive	457057	LLP		I
Markets in Financial	450201	ZZ	1	
Instruments Directive	458201		I	
		Vermögensverwaltung GmbH		
Markets in Financial Instruments Directive	458416	Scott Harris UK Limited		8
Markets in Financial	458459	Cohen & Steers UK Ltd		11
Instruments Directive				
Markets in Financial	458630	Jonathan Davis Wealth		30
Instruments Directive		Management Ltd		
Markets in Financial	458659	Tempo Capital Partners		30
Instruments Directive		LLP		
Markets in Financial	458730	Taconic Capital		30
Instruments Directive		Advisors UK LLP		
Markets in Financial	458879	Robson Laidler		1
Instruments Directive		Financial Planning		
		Limited		
Markets in Financial	458880	Gemini Wealth		9
Instruments Directive		Management Limited		
Markets in Financial	459051	Blackstone Moregate		30
Instruments Directive		Limited		
Markets in Financial	459078	MMPI Limited	1	
Instruments Directive				
Markets in Financial	459325	Meteor Asset		31
Instruments Directive		Management Limited		
Markets in Financial	459379	ValueInvest Asset	1	
Instruments Directive		Management S.A.		
Markets in Financial	459504	Moore Europe Capital		4
Instruments Directive		Management, LLP		
Markets in Financial	459639	Flow Traders B.V.	1	
Instruments Directive				
Markets in Financial	459649	Grisons Peak LLP		29
Instruments Directive				
Markets in Financial	459831	Ortelius Wealth	1	
Instruments Directive		Management B.V.		
Markets in Financial	459903	CQS Investment		3
Instruments Directive		Management Limited		
Markets in Financial	459933	SIB (Cyprus) Limited	1	
Instruments Directive				
Markets in Financial	460061	Tokai Tokyo Securities		1
Instruments Directive		Europe Limited		
Markets in Financial	460069	Richmond Park Partners		11
Instruments Directive		LLP		
Markets in Financial	460157	Avista Partners LLP		10
Instruments Directive				
Markets in Financial	460177	Visor Capital (UK)		12
Instruments Directive		Limited		
Markets in Financial	460224	Acadian Asset	1	30
Instruments Directive		Management (UK)		-
		Limited		

460222	Capital Allianco		28
400233	-		20
460200			15
400300			10
460225	AA Advisors LLD		30
400325	AA AUVISEIS LLF		30
460420	Integral Development		20
460420			30
	Ltd		
460598	Futurestechs.com Ltd		29
460710	-		32
460724			4
460882	Silver Lake Europe LLP		20
461053		1	
461231	. ,		30
461258		2	
4/4/04			
461601	Farley & Thompson LLP		30
461635	-		30
4/1714		1	
461714		I	
	0		
4/1705			2
401795	Strabens Hall Ltd		3
462001	Touiro Coourition Ltd		18
402001	Tavita Securities Ltu		10
462010	EuroConsult		30
402010			30
	J		
462016			9
402010			7
462026	Drawbridge (UK) LLP		30
102020			00
462037	Channel Capital		59
102007	-		0,
462132		1	
102102			
	0		
462261			31
102201			51
462323		1	
102020			
462352		1	
102002	0		
462478			3
1027/0			5
	460233 460300 460325 460420 460598 460710 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 460724 461053 461231 461635 461714 462001 462001 462001 462010 462037 462037 462037 462261 462323 462323 462323 462352 462352	Partners Limited460300Yuki International Ltd460325AA Advisers LLP460420Integral Development Corporation (Europe) Ltd460598Futurestechs.com Ltd460710Cohen & Company Financial Limited460724GMSA Investments Limited460724GMSA Investments Limited461053equinet Bank Aktiengesellschaft461053equinet Bank Aktiengesellschaft461231KILDARE CAPITAL (UK) LTD461258BNP PARIBAS DEALING SERVICES461601Farley & Thompson LLP461635Hexam Capital Partners Limited Liability Partnership461714Deutsche Asset Management International GmbH461795Strabens Hall Ltd462001Tavira Securities Ltd462010EuroConsult International Mergers & Acquisitions Limited462016Killik & Co LLP462037Channel Capital Advisors LLP462034Elavon Financial Services Designated Activity Company462132Elavon Financial Services Designated Activity Company462261Edison Investment Research Limited462333Lombard Odier & Cie (Gibraltar) Limited462352Fondsmaeglerselskabet Maj Invest A/S	Partners Limited460300Yuki International Ltd460325AA Advisers LLP460320Integral Development Corporation (Europe) Ltd460598Futurestechs.com Ltd460598Futurestechs.com Ltd460710Cohen & Company Financial Limited460724GMSA Investments Limited460723equinet Bank Aktiengesellschaft461053equinet Bank Aktiengesellschaft461258BNP PARIBAS DEALING SERVICES461601Farley & Thompson LLP461635Hexam Capital Partners Limited Liability Partnership46174Deutsche Asset Management International GmbH462010EuroConsult International Mergers & Acquisitions Limited462010EuroConsult International Mergers & Acquisitions Limited462016Killik & Co LLP462016Channel Capital Advisors LLP462026Drawbridge (UK) LLP462037Channel Capital Advisors LLP462231Elavon Financial Services Designated Activity Company462231Elavon Financial Company462323Lombard Odier & Cie (Gibraltar) Limited462324Helix Property Advisors462478Helix Property Advisors

440554	Opus Corporato Financo		20
462554			30
4/0700			20
462728	Foster Denovo Limited		30
4(0707	Mindaen Duckens Ltd	1	
463727	Windsor Brokers Ltd	1	
1/00//			0.1
463866	-		24
1(0070			
463878	CF Partners (UK) LLP		30
4(0001			20
463991			30
4/4110			20
464113	Hybridan LLP		29
4(4105			20
464195			29
4(4014	0		10
464314	J J		12
4(401)		1	
464316	TTU Asset Strategies Ltd	I	
4/42/0		1	
464368	BV & P Vermogen AG	I	
4 (4 4 0 4			27
464494			36
4/45/0			2
464560			2
4/ 4007	· · · ·		4
404997			4
145050			30
405050	Liberum capital Limited		30
165121	Sonso Notwork Limited		8
403124	Sense Network Limited		0
165131	Northern Trust		15
403131			15
465562		1	
403302		I	
465752		1	
100702			
465790	Tibra Trading Europe		1
100770			
465826			30
100020	5		00
465847			1
100017	_		•
466201			29
			- /
466464			31
			01
466577			16
100077			.0
466588	Duff & Phelps Securities		35
100000	-		00
466684			30
100004			50
	462554 462728 463727 463866 463878 463878 463991 464113 464195 464314 464316 464316 464316 464316 464316 464316 464316 464316 464316 464316 464316 464316 464368 465301 465502 465752 465770 465826 465847 4665847 4665847 466588 466588	LLP462728Foster Denovo Limited463727Windsor Brokers Ltd463866New Europe Advisers Limited463878CF Partners (UK) LLP463991Alquity Investment Management Limited464195First Property Asset Management Ltd464195First Property Asset Management Ltd464314Jump Trading International Limited464368BV & P Vermogen AG464368BV & P Vermogen AG464369Forum Partners Europe (UK) LLP464560Forum Partners Europe (UK) LLP465500Liberum Capital Limited465124Sense Network Limited465131Northern Trust Securities LLP465562OLZ Wealth Management AG465752Exane Derivatives SNC465790Tibra Trading Europe Limited465826Merrill Lynch Commodities (Europe) Limited465847Permira Debt Managers Limited466201C B Financial Services Limited466588Duff & Phelps Securities Ltd.	LLP462728Foster Denovo Limited463727Windsor Brokers Ltd463876New Europe Advisers Limited463878CF Partners (UK) LLP463879Alquity Investment Management Limited464113Hybridan LLP464114Jump Trading International Limited464316IIU Asset Strategies Ltd464316IIU Asset Strategies Ltd464368BV & P Vermogen AG464494AES Financial Services Ltd464505Forum Partners Europe (UK) LLP465050Liberum Capital Limited465124Sense Network Limited465562OLZ Wealth Management AG465752Exane Derivatives SNC465762Tibra Trading Europe Limited465826Merrill Lynch Commodities (Europe) Limited465827QIB (UK) PIC4665877QIB (UK) PIC466588Duff & Phelps Securities Ltd466588Duff & Phelps Securities Ltd

Markets in Financial	466728	Plurimi Wealth LLP		30
Instruments Directive	100720			00
Markets in Financial	466915	ICF Management		30
Instruments Directive		Limited		
Markets in Financial	466943	Prime Capital AG	1	
Instruments Directive				
Markets in Financial	466953	Solventis	1	
Instruments Directive		Wertpapierhandelsbank		
		GmbH		
Markets in Financial	467156	Deutsche International	1	
Instruments Directive		Corporate Services		
		(Ireland) Limited		
Markets in Financial	467283	Westhall Partners LLP		29
Instruments Directive				
Markets in Financial	467410	Bank of China (UK) Ltd		1
Instruments Directive				
Markets in Financial	467535	Mirae Asset Global		30
Instruments Directive		Investments (UK)		
		Limited		
Markets in Financial	467551	Fortinbras Asset	1	
Instruments Directive		Management GmbH		
Markets in Financial	467580	Pareto Private Equity	1	
Instruments Directive		ASA		
Markets in Financial	467667	BI Asset Management	1	
Instruments Directive		Fondsmaeglerselskabet		
		s A/S		
Markets in Financial	467736	Mediobanca	2	
Instruments Directive				
Markets in Financial	467766	FinnCap Ltd		30
Instruments Directive				
Markets in Financial	467771	Edison Wealth		58
Instruments Directive		Management Limited		
Markets in Financial	467777	Turnbull Ker LLP		28
Instruments Directive	4/7770			
Markets in Financial	467778	Wells Fargo Bank	1	
Instruments Directive		International Unlimited		
Manhata in Einensial	447050	Company		20
Markets in Financial	467858	Fleming Financial Ltd		30
Instruments Directive Markets in Financial	467960	Cranbourne Financial		29
Instruments Directive	407900	LLP		29
Markets in Financial	468222	GMP Securities Europe		31
Instruments Directive	400222	LLP		51
Markets in Financial	468321	Connor Broadley Ltd		4
Instruments Directive	400321	connor broadicy Eta		Ŧ
Markets in Financial	468352	Otkritie Capital Cyprus	1	
Instruments Directive	400332	Ltd	1	
Markets in Financial	468445	Hargreaves & Jones		29
Instruments Directive	100440	Limited		21
Markets in Financial	468492	3i Europe Plc		31
Instruments Directive	1001/2			01
Markets in Financial	468502	3i Nordic Plc		1
Instruments Directive	100002			I
Markets in Financial	468526	Lingohr & Partner Asset	1	
Instruments Directive		Management GmbH	· · · · · · · · · · · · · · · · · · ·	

Markets in Financial	468631	Equiniti Financial		30
Instruments Directive	400031	Services Limited		50
Markets in Financial	468801	Omada Investment		31
Instruments Directive	400001	Management Limited		51
Markets in Financial	468821	DBL Asset Management		30
Instruments Directive	400021	LLP		50
Markets in Financial	469085	Aermont Capital LLP		6
Instruments Directive	409005			0
Markets in Financial	469094	Mitsui Bussan		30
Instruments Directive	409094	Commodities Ltd		30
Markets in Financial	469150	Alexander David		30
Instruments Directive	409130	Securities Limited		50
Markets in Financial	469151	deVere and Partners		30
Instruments Directive	409131	(UK) Limited		50
Markets in Financial	469459	Ebrokers (UK) LLP		29
Instruments Directive	409439			27
Markets in Financial	469485	Thames River Multi-		28
Instruments Directive	407403	Capital LLP		20
Markets in Financial	469547	Invest Southwest Ltd		1
Instruments Directive	407547			
Markets in Financial	469577	WOOD & Company	2	
Instruments Directive	407077	Financial Services a.s.	2	
Markets in Financial	469663	Arctic Securities AS	1	
Instruments Directive	407003	Aretic Securities AS	1	
Markets in Financial	469919	FIS Global Execution		32
Instruments Directive		Services Limited		02
Markets in Financial	469957	Swedbank AB	1	
Instruments Directive	10,707		•	
Markets in Financial	470088	Eaton Partners (UK)		30
Instruments Directive		LLP		
Markets in Financial	470232	Sector Gamma ASA	1	
Instruments Directive				
Markets in Financial	470244	Karroo Capital Limited		30
Instruments Directive				
Markets in Financial	470246	EM-ES Fund		30
Instruments Directive		Management LLP		
Markets in Financial	470325	Electronic and Voice		31
Instruments Directive		Foreign Exchange		
		Limited		
Markets in Financial	470388	Generation Asset		19
Instruments Directive		Management (UK)		
		Limited		
Markets in Financial	470392	Finotec Trading UK		30
Instruments Directive		Limited		
Markets in Financial	470813	Amstel Capital	1	
Instruments Directive		Management BV		
Markets in Financial	470980	Lazuli Partners LLP		31
Instruments Directive				
Markets in Financial	471003	Marks Baughan		30
Instruments Directive		Securities UK, LLP		
Markets in Financial	471048	LGT Vestra LLP		30
Instruments Directive				
Markets in Financial	471080	Macquarie Bank		32
Instruments Directive		International Ltd		

Markets in Financial	471124	Sustainable		30
Instruments Directive		Development Capital		
		LLP		
Markets in Financial	471192	NextEnergy Capital		2
Instruments Directive		Limited		
Markets in Financial	471210	Arup Corporate Finance		31
Instruments Directive		Ltd		
Markets in Financial	471375	IPS Capital LLP		2
Instruments Directive				_
Markets in Financial	471635	All Options	1	
Instruments Directive		International BV		
Markets in Financial	471820	Darwin Property		10
Instruments Directive		Investment		
		Management Limited		
Markets in Financial	471885	KKR Capital Markets		31
Instruments Directive		Limited		0.
Markets in Financial	471938	Easy Forex Trading Ltd	1	
Instruments Directive				
Markets in Financial	471987	Siguler Guff UK LLP		30
Instruments Directive				00
Markets in Financial	472058	GlobalReach Securities	1	
Instruments Directive	172000	Ltd		
Markets in Financial	472063	Salus Alpha Capital	1	
Instruments Directive	172000	GmbH		
Markets in Financial	472268	Davenport Financial		30
Instruments Directive	172200	Management Ltd		00
Markets in Financial	472599	Carbon		30
Instruments Directive	1,20,7,	Communications		00
		International Limited		
Markets in Financial	472694	Palmer Capital LLP		30
Instruments Directive	172071			00
Markets in Financial	472774	Brandywine Global		19
Instruments Directive	1,2,,1	Investment		17
		Management (Europe)		
		Limited		
Markets in Financial	472780	Cowen Execution		31
Instruments Directive	112100	Services Limited		0.
Markets in Financial	472792	Liberty Partnership		13
Instruments Directive		Limited		10
Markets in Financial	472800	Southeastern Asset		20
Instruments Directive	172000	Management		20
		International (UK) Ltd		
Markets in Financial	472818	Capital Systematics Ltd		30
Instruments Directive	1,2010			00
Markets in Financial	472929	Hawksmoor Investment		10
Instruments Directive	172727	Management Ltd		10
Markets in Financial	472944	NEX SEF Limited		31
Instruments Directive	1,2,44			51
Markets in Financial	473212	Excellion Advisors LLP		4
Instruments Directive	+/ 5212			4
Markets in Financial	473282	Capstone Investment		29
Instruments Directive	4/3202	Advisors (UK) LLP		29
Markets in Financial	170010			20
	473312	Sequant Capital Limited		30
Instruments Directive		1		

Markets in Financial	473705	Elite Advisers S.A.	1	
Instruments Directive	473705	Elite Advisers S.A.	I	
Markets in Financial	473712	Square Capital LLP		30
Instruments Directive	473712			50
Markets in Financial	473719	Exception Capital LLP		1
Instruments Directive	473719			1
Markets in Financial	473948	Zephyrus Partners		5
Instruments Directive	4/3940	Limited		5
Markets in Financial	474016	Maxwell Asset		30
Instruments Directive	474010			30
Markets in Financial	474047	Management LTD	1	
Instruments Directive	4/404/	Aberdeen Property	I	
Instruments Directive		Investors Corporate ASA		
Markets in Financial	474168	Greenhill & Co.		17
	4/4168			17
Instruments Directive	474107	International LLP	1	
Markets in Financial	474187	Box Consultants B.V.	1	
Instruments Directive	474000		1	
Markets in Financial	474202	Blue White Alternative	1	
Instruments Directive	474004	Investments Ltd		(0
Markets in Financial	474331	Cambridge Associates		60
Instruments Directive	474455	Limited		
Markets in Financial	474455	Mesirow Financial		30
Instruments Directive	174/00	International UK Ltd		
Markets in Financial	474602	Capital Generation		30
Instruments Directive	17 1700	Partners LLP		
Markets in Financial	474722	ReVysion LLP		30
Instruments Directive				
Markets in Financial	474928	MIO Partners (EU)		31
Instruments Directive		Limited		
Markets in Financial	474993	Sector Capital Advisors	1	
Instruments Directive	4750/0	ASA		
Markets in Financial	475069	Clerville Investment		7
Instruments Directive	475444	Management LLP		
Markets in Financial	475111	Sarasin & Partners LLP		2
Instruments Directive	475005	Assessed Mariliants		1
Markets in Financial	475285	Accendo Markets		1
Instruments Directive	475070	Limited		20
Markets in Financial	475370	Brown Advisory Limited		30
Instruments Directive	175 100			
Markets in Financial	475403	Mediterranean Bank plc	1	
Instruments Directive	475505			
Markets in Financial	475595	R T Williams Limited		2
Instruments Directive	175701			
Markets in Financial	475701	Sector Epsilon ASA	1	
Instruments Directive				
Markets in Financial	475811	Sharelink Securities &	1	
Instruments Directive		Finanical Services Ltd		
Markets in Financial	475824	Sator Capital Limited		1
Instruments Directive				
Markets in Financial	475825	Salmann Investment	1	
Instruments Directive		Management AG		
Markets in Financial	475828	Central Markets		6
Instruments Directive		Investment		
		Management Limited		
Markets in Financial	475987	Nexgen Capital Limited	1	
Instruments Directive				

Markets in Financial	476324	Finam Limited	1	
Instruments Directive	170021			
Markets in Financial	476373	FIL Real Estate		1
Instruments Directive		Investment		
		Management Limited		
Markets in Financial	476417	BPH Wealth		5
Instruments Directive	170117	Management LLP		0
Markets in Financial	476450	Simmons & Company		9
Instruments Directive	470430	International Capital		,
Instruments Directive		Markets Ltd		
Markets in Financial	476496	Collineo Asset	1	
Instruments Directive	470490	Management GmbH	1	
Markets in Financial	476555	Magna Capital Limited		30
Instruments Directive	470555	Magna Capital Linited		30
Markets in Financial	476581	Banque Chaabi du	1	
Instruments Directive	470501	Maroc	1	
Markets in Financial	476788	Wesa-Effecten B.V.	1	
	4/0/88	WESA-ENELLEN D.V.		
Instruments Directive Markets in Financial	476790	Centurion Portfolio		30
Instruments Directive	470790			30
Markets in Financial	476792	Managers Limited First Securities ASA	1	
	4/0/92	First Securities ASA	1	
Instruments Directive	47(040	linterne etili in Dete		20
Markets in Financial	476849	Interactive Data		30
Instruments Directive		Desktop Solutions		
Manha ta in Eirean siat	47/007	(Europe) Limited		
Markets in Financial	476897	Giltspur Capital LLP		6
Instruments Directive	47(000			
Markets in Financial	476903	Prisma Capital		31
Instruments Directive		Management		
Manhata in Financial	47700/	International LLP		20
Markets in Financial	477096	Mangusta Risk Limited		30
Instruments Directive	477455			4 -
Markets in Financial	477155	PairsTech Capital		15
Instruments Directive	477410	Management LLP		
Markets in Financial	477418	FXPRO Financial	1	
Instruments Directive	4775/4	Services Limited		50
Markets in Financial	477561	World First Markets		59
Instruments Directive		Limited		
Markets in Financial	477688	Longbow Real Estate		2
Instruments Directive		Capital LLP		
Markets in Financial	477782	Development Partners		12
Instruments Directive		International LLP		
Markets in Financial	477783	Capital Four	1	
Instruments Directive		Management		
		Fondsmaeglerselskab		
		A/S		
Markets in Financial	477862	European Financial	1	
Instruments Directive		Planning Group Limited		
Markets in Financial	478013	Pensato Capital LLP		31
Instruments Directive				
Markets in Financial	478062	Fazenda Securities ASA	1	
Instruments Directive				
Markets in Financial	478078	Lazard Freres Banque	1	
Instruments Directive				
Markets in Financial	478099	Vermilion Capital		29
Instruments Directive		Partners LLP		

Markets in Financial	478256	E.ON Portfolio Solution	1	
Instruments Directive	478250	GmbH	1	
Markets in Financial	478306	CHALLENGER		30
Instruments Directive	470300	MANAGEMENT		50
instruments Directive		SERVICES (UK)		
		LIMITED		
Markets in Financial	478321	Odin Capital		1
Instruments Directive	470521	Management Ltd		1
Markets in Financial	478383	Sirius Equity LLP		30
Instruments Directive	470303			50
Markets in Financial	478403	IFM INVESTORS (UK)		31
Instruments Directive	470403	LTD		51
Markets in Financial	478406	Catalyst Corporate		31
Instruments Directive	1/0100	Finance LLP		01
Markets in Financial	478424	Forte Securities Limited		11
Instruments Directive	170121			
Markets in Financial	478430	Castlefield Advisory		11
Instruments Directive	1/0100	Partners Limited		
Markets in Financial	478493	EMF Capital (UK)		60
Instruments Directive	1,01,0	Limited		00
Markets in Financial	478549	Steen Associates		2
Instruments Directive		Limited		_
Markets in Financial	478800	Clearbell Fund		30
Instruments Directive		Management Limited		
Markets in Financial	478963	Kathrein & Co	1	
Instruments Directive		Privatgeschaftsbank AG	-	
Markets in Financial	479032	Promethion Ltd		29
Instruments Directive				
Markets in Financial	479120	Sapien Capital Limited		26
Instruments Directive				
Markets in Financial	479329	Invesco Asset	1	
Instruments Directive		Management		
		Deutschland GmbH		
Markets in Financial	479337	MunichFinancialGroup	1	
Instruments Directive		GmbH		
Markets in Financial	479376	Viscardi AG	1	
Instruments Directive				
Markets in Financial	479512	415 LLP		6
Instruments Directive				
Markets in Financial	479582	Global Evolution A/S	1	
Instruments Directive				
Markets in Financial	479684	Glitnir Bank Ltd	1	
Instruments Directive				
Markets in Financial	479707	Bradesco Securities UK		30
Instruments Directive		Limited		
Markets in Financial	479764	Liontrust Investments		1
Instruments Directive		Limited		
Markets in Financial	479819	Barclays Bank Ireland	1	
Instruments Directive		Plc		
Markets in Financial	479917	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		de Champagne		
		Bourgogne		
Markets in Financial	479920	Caisse Regionale De	1	
Instruments Directive		Credit Agricole Mutuel		
l		Aples Provence		

Markets in Financial	479924	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		de L'Anjou et Du Maine		
Markets in Financial	479927	Caisse Regionale de	1	
Instruments Directive	77727	Credit Agricole Mutuel		
		du Centre-Ouest		
Markets in Financial	479969	bfinance UK Limited		19
Instruments Directive	479909	binance ok Einned		17
Markets in Financial	480069	Crossbridge Capital LLP		3
Instruments Directive	400009	Crossbridge Capital ELF		5
Markets in Financial	480281	Allianz Alternative	1	
	400201		1	
Instruments Directive	400000	Asset Management	1	
Markets in Financial	480339	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		De L'Aqitaine		
Markets in Financial	480351	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Provence Cote D'Azur		
Markets in Financial	480362	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		de la Touraine et du		
		Poitou		
Markets in Financial	480365	Caisse Regionale De	1	
Instruments Directive		Credit Agricole Mutuel		
		Des Cotes D'Armor		
Markets in Financial	480367	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		De Nord Midi-Pyrenees		
Markets in Financial	480444	Overlay Asset	1	
Instruments Directive		Management		
Markets in Financial	480590	Kepler Partners LLP		10
Instruments Directive				
Markets in Financial	480597	Short Partners LLP		30
Instruments Directive				
Markets in Financial	480676	Clifton Compliance		29
Instruments Directive		Services Ltd		
Markets in Financial	480843	Wedbush Europe Ltd		30
Instruments Directive	100010			00
Markets in Financial	480859	Atlas Capital Financial	1	
Instruments Directive	400007	Services Ltd-Home	'	
		state regulator has		
		notified the FCA that		
		passport is suspended		
Markets in Financial	400000	effective 21/4/16		20
	480992	Goodman Operator		30
Instruments Directive	400004	(UK) Limited	1	
Markets in Financial	480994	GreenStream Network	1	
Instruments Directive	4010/0	Plc MEX (Europo) Limited		
Markets in Financial	481068	MEX (Europe) Limited		30
Instruments Directive	404005			
Markets in Financial	481095	Axia Ventures Group	1	
Instruments Directive	101-5-	Ltd		
Markets in Financial	481096	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Sud Mediterranee		

Markets in Financial	481100	Caisse Regionale De	1	
Instruments Directive	101100	Credit Agricole Mutuel		
		Centre France		
Markets in Financial	481102	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel	-	
		Centre Est		
Markets in Financial	481103	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel	-	
		Des Savoie		
Markets in Financial	481104	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Sud Rhone Alpes		
Markets in Financial	481105	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Du Morbihan		
Markets in Financial	481212	Clarksons Platou		30
Instruments Directive		Securities Limited		
Markets in Financial	481246	LBV Asset Management		1
Instruments Directive		LLP		
Markets in Financial	481247	Prosdocimi Limited		29
Instruments Directive				
Markets in Financial	481372	Winkel Hansen ApS	1	
Instruments Directive				
Markets in Financial	481529	Captiva Capital		30
Instruments Directive		Management Limited		
Markets in Financial	481581	Deltastock AD	1	
Instruments Directive				
Markets in Financial	481600	Novia Financial Plc		31
Instruments Directive				
Markets in Financial	481853	CFH CLEARING LIMITED		31
Instruments Directive				
Markets in Financial	481871	Eriswell Capital		8
Instruments Directive		Management LLP		
Markets in Financial	481877	China Construction		30
Instruments Directive		Bank (London) Limited		
Markets in Financial	481888	Twentyfour Asset		30
Instruments Directive		Management LLP		
Markets in Financial	482237	HPS Investment		30
Instruments Directive	4000/0	Partners (UK) LLP		
Markets in Financial	482269	Green Street Advisors		9
Instruments Directive	400000	(UK) Ltd		2
Markets in Financial	482323	First Command Europe		2
Instruments Directive Markets in Financial	482410	Ltd Molineaux Investment		9
	482410			9
Instruments Directive Markets in Financial	482458	Services LLP Ranmore Fund		29
Instruments Directive	482458			29
Markets in Financial	482468	Management Ltd London Investment		30
Instruments Directive	402400	Consultants LLP		30
Markets in Financial	482677	Hoare Capital Markets		30
Instruments Directive	+02077	LLP		30
Markets in Financial	482762	Fiduciary Wealth	2	
Instruments Directive	+02/02	Management Limited	2	
Markets in Financial	482911	Bluenext	1	
Instruments Directive	702711	BIGCHEAL	ľ	

Markets in Financial	482935	AGF International	1	
Instruments Directive		Advisors Company		
		Limited		
Markets in Financial	482943	Money Markets	1	
Instruments Directive		International Limited		
Markets in Financial	482945	Santander Financial	1	
Instruments Directive	102710	Products Plc		
Markets in Financial	483003	UniCredit Luxembourg	1	
Instruments Directive	100000	S.A.		
Markets in Financial	483060	Valiance Advisors LLP		29
Instruments Directive	100000			2,
Markets in Financial	483258	Agora Microfinance		30
Instruments Directive	100200	Partners LLP		00
Markets in Financial	483281	Fix City Ltd		32
Instruments Directive	405201			52
Markets in Financial	483300	Global Evolution	1	
Instruments Directive	403300	Fondsmæglerselskab	I	
instruments Directive		A/S		
Markets in Financial	483311	Charles Street		7
Instruments Directive	403311	Securities Europe LLP		,
Markets in Financial	483315	Financial Relationships		30
Instruments Directive	403313	LLP		50
Markets in Financial	483503	Argyll Advisory LLP		3
Instruments Directive	463503	Argyll Advisory LLP		3
Markets in Financial	483635	Vega Swiss Asset		30
Instruments Directive	403035	0		30
Markets in Financial	483816	Management UK LLP		20
Instruments Directive	483810	Samena Capital		30
	402020	Management LLP		20
Markets in Financial	483820	ISM Capital LLP		30
Instruments Directive Markets in Financial	402054	Oppophoimor Europo		20
	483856	Oppenheimer Europe		30
Instruments Directive Markets in Financial	483868	Ltd. Collins Sarri Statham		30
	483808			30
Instruments Directive	404077	Investments Limited		2
Markets in Financial	484077	Marylebone Capital		2
Instruments Directive	404010	Limited		4
Markets in Financial	484213	Steven Barton		4
Instruments Directive	40.4007		1	
Markets in Financial	484296	Veles International	1	
Instruments Directive	40.4000	Limited	1	
Markets in Financial	484298	Skandia Invest S.A	1	
Instruments Directive	40.4000			
Markets in Financial	484380	Oddo Et Cie	1	
Instruments Directive	10.1000			
Markets in Financial	484392	Chenavari Credit		30
Instruments Directive	10.1500	Partners LLP		
Markets in Financial	484589	BTIG Limited		30
Instruments Directive	105515			
Markets in Financial	485048	INVISTA Dom Maklerski	1	
Instruments Directive		S.A.		
Markets in Financial	485161	Silk Invest Limited		30
Instruments Directive				
Markets in Financial	485226	Bell Potter Securities		11
Instruments Directive		(UK) Limited		

Markets in Financial	485326	Cargill Financial		20
Instruments Directive	100020	Services Europe Limited		20
		Services Europe Emitted		
Markets in Financial	485362	Sigma Broking Limited		30
Instruments Directive				
Markets in Financial	485371	QW Capital LLP		3
Instruments Directive				
Markets in Financial	485435	Guggenheim Securities		21
Instruments Directive		International Limited		
Markets in Financial	485468	Centaur Financial	1	
Instruments Directive		Services Ltd		
Markets in Financial	485470	Lloyds Bank (Gibraltar)	1	
Instruments Directive		Limited		
Markets in Financial	485690	Provisio Limited		30
Instruments Directive				
Markets in Financial	486204	Jubilee Financial		31
Instruments Directive		Products LLP		0.
Markets in Financial	486239	Prestige Asset		30
Instruments Directive	100207	Management Limited		50
Markets in Financial	486345	European Markets		3
Instruments Directive	400343	Limited		5
Markets in Financial	486497	DQN Global Capital		30
Instruments Directive	400497	Partners LLP		50
Markets in Financial	486546	Jane Street Financial		30
Instruments Directive	400340	Ltd		50
Markets in Financial	486917	Liechtensteinische	1	
	400917		1	
Instruments Directive Markets in Financial	487230	Landesbank AG Pioneer Point Partners		20
	487230			29
Instruments Directive	407040	LLP		
Markets in Financial	487248	United Bankers	1	
Instruments Directive	407000	Securities Ltd		2.0
Markets in Financial	487302	Hermes European		30
Instruments Directive	407000	Equities Limited		
Markets in Financial	487308	Exane Options	1	
Instruments Directive	107010			
Markets in Financial	487312	The Financial Planning		30
Instruments Directive		Corporation LLP		
Markets in Financial	487313	Quay Financials	1	
Instruments Directive		(Gibraltar) Limited		
Markets in Financial	487687	Valartis Bank (Austria)	1	
Instruments Directive		AG		
Markets in Financial	487699	Tokio Marine Asset		30
Instruments Directive		Management (London)		
		Ltd		
Markets in Financial	487707	Voriana Capital		29
Instruments Directive		Partners LLP		
Markets in Financial	487779	Dartmoor Capital		30
Instruments Directive		Management Limited		
Markets in Financial	487850	Strategic Wealth UK Ltd		29
Instruments Directive				
Markets in Financial	488171	CASTLE HARBOUR		31
Instruments Directive		SECURITIES LLP		
Markets in Financial	488195	Finsens Investment	1	
Instruments Directive		Consultancy B.V.		
Markets in Financial	488582	NAB Europe Limited		30
Instruments Directive				

Markets in Financial Hobbit United Struments Structure	Markets in Financial	488610	Source UK Services		31
Markets in Financial 488658 Harpsden Wealth 29 Instruments Directive Management Limited 1 Markets in Financial 488732 Metropol (Cyprus) Ltd 1 Instruments Directive 488706 Financicle Diensten 1 Markets in Financial 488707 Financicle Diensten 1 Instruments Directive 488900 Primus Capital Markets 30 Markets in Financial 489272 Talbot Hughes McKillop 30 Instruments Directive UL 1 30 Markets in Financial 489387 EGL Sverige AB 1 Instruments Directive 0 Services Ltd 30 Markets in Financial 489387 EGL Sverige AB 1 Instruments Directive 0 Services Ltd 30 Markets in Financial 489388 Erste Bank der 1 Instruments Directive 0 Services AGG 30 Instruments Directive Ulmited 30 Markets in Financial 489408 Malogo Global Partners 30 Instruments Directive Ulmited 32 Markets in Financial 489602 BriceAmery Capital Ltd 32 Instruments Directive Group Ltd		400010			31
Instruments Directive Management Limited Markets in Financial 488732 Metropol (Cyprus) Ltd 1 Instruments Directive Amsterdam B.V 1 Markets in Financial 488700 Primus Capital Markets 30 Instruments Directive WK 1 1 Markets in Financial 489272 Talbot Hughes McKillop 30 Instruments Directive UK Limited 30 Markets in Financial 489359 Dickson Financial 30 Instruments Directive Services Ltd 30 Markets in Financial 489389 Erste Bank der 1 Instruments Directive Sparkassen AG 30 Markets in Financial 489408 Vintage Asset 8 Instruments Directive Markets In Financial 489402 BriceAmery Capital Ltd 32 Instruments Directive BriceAmery Capital Ltd 32 30 1 Instruments Directive MIRSEC Partners LLP 16 32 Instruments Directive MASets In Financial 489643		188658			20
Markets in Financial 488732 Metropol (Cyprus) Ltd 1 Instruments Directive Amsterdam B.V 1 Markets in Financial 488796 Financiele Diensten 1 Markets in Financial 489272 Talbot Hughes McKillop 30 Instruments Directive UL 1 30 Markets in Financial 489272 Talbot Hughes McKillop 30 Instruments Directive ULP 30 Markets in Financial 489379 Dickson Financial 30 Instruments Directive Services Ltd 30 Markets in Financial 489389 Ect. Sverige AB 1 Instruments Directive Services Ltd 30 Markets in Financial 489389 Erste Bank der 1 Osterreichischen Sparkassen AG 30 Instruments Directive Management Ltd 30 Markets in Financial 489408 Indigo Global Partners 30 Instruments Directive Limited 30 Markets in Financial 489602 BiceAmery Capital Ltd 32 Instruments Directive Instruments Directive 1 1 Markets in Financial 489643 MIRSEC Partners LLP 16 Instruments		400030			27
Instruments Directive Instruments Markets in Financial 488796 Financiele Diensten Amsterdam B.V Markets in Financial 488790 Primus Capital Markets 30 Instruments Directive UK Limited 30 Markets in Financial 489272 Talbot Hughes McKillop 30 Instruments Directive 489389 Dickson Financial 30 Instruments Directive 489387 EGL Sverige AB 1 Instruments Directive 489389 Erste Bank der 0 1 Instruments Directive 92072 Services Ltd 30 Markets in Financial 489389 Erste Bank der 1 0 Instruments Directive Management Ltd 30 30 Instruments Directive Management Ltd 30 30 Instruments Directive Management Ltd 30 30 Instruments Directive Markets in Financial 489402 BriceAmery Capital Ltd 32 Markets in Financial 489602 BriceAmery Capital Ltd 30 30		488732		1	
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Instruments Directive LLP Image of the second seco		189272			30
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Markets in Financial Instruments Directive489839 (19)Talbot Capital Ltd39Markets in Financial Instruments Directive489934 (10)Pearl Diver Capital LLP19Markets in Financial Instruments Directive489939FPP Asset Management LLP31Markets in Financial Instruments Directive490231 (10)BBSP Partners - Deloitte Investment2Markets in Financial Instruments Directive490243 (10)Deloitte Investment Markets in Financial (10)1Markets in Financial Instruments Directive490519 (10)Westminster Wealth Management LLP6Markets in Financial Instruments Directive490521 (10)Direct Market Touch Ltd (10)1Markets in Financial Instruments Directive490575 (10)CheckRisk LLP (10)29Markets in Financial Instruments Directive490625 (10)Go4Venture Advisers (LP)30Markets in Financial Instruments Directive490637 (10)V. Pfetten - Ewaldsen1		407000			50
Instruments Directive489934Pearl Diver Capital LLP19Markets in Financial Instruments Directive489939FPP Asset Management LLP31Markets in Financial Instruments Directive490231BBSP Partners - Liquidation2Markets in Financial Instruments Directive490243Deloitte Investment Services Limited1Markets in Financial Instruments Directive490519Westminster Wealth Management LLP6Markets in Financial Instruments Directive490521Direct Market Touch Ltd1Markets in Financial Instruments Directive490521Direct Market Touch Ltd1Markets in Financial Instruments Directive490575CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LLP30Markets in Financial Instruments Directive490625V. Pfetten - Ewaldsen1		489839			20
Markets in Financial Instruments Directive489934Pearl Diver Capital LLP19Markets in Financial Instruments Directive489939FPP Asset Management LLP31Markets in Financial Instruments Directive490231BBSP Partners - Liquidation2Markets in Financial Instruments Directive490243Deloitte Investment Services Limited1Markets in Financial Instruments Directive490519Westminster Wealth Management LLP6Markets in Financial Instruments Directive490521Direct Market Touch Ltd Orect Market Touch Ltd1Markets in Financial Instruments Directive490575CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LP30Markets in Financial Instruments Directive490637v. Pfetten - Ewaldsen1		407007			57
Instruments Directive489939FPP Asset Management LLP31Markets in Financial Instruments Directive490231BBSP Partners - Liquidation2 LiquidationMarkets in Financial Instruments Directive490243Deloitte Investment Services Limited1 Gervices LimitedMarkets in Financial Instruments Directive490519Westminster Wealth Management LLP6 Management LLPMarkets in Financial Instruments Directive490521Direct Market Touch Ltd Orect Market Touch Ltd1 1 Services LimitedMarkets in Financial Instruments Directive490575CheckRisk LLP29 Softwarket Sin Financial LP29 Softwarket Sin Financial Markets in Financial Markets in Financial490625Go4Venture Advisers LLP30 Softwarket Sin Financial Markets in Financial Markets in Financial490637v. Pfetten - Ewaldsen1		489934	Pearl Diver Capital IIP		19
Markets in Financial Instruments Directive489939 LLPFPP Asset Management LLP31Markets in Financial Instruments Directive490231 LiquidationBBSP Partners - Liquidation2Markets in Financial Instruments Directive490243 Services LimitedDeloitte Investment Services Limited1Markets in Financial Instruments Directive490519 Markets in Financial Markets in Financial490521 490521Direct Market Touch Ltd1Markets in Financial Instruments Directive490575 Markets in Financial CheckRisk LLP2929Markets in Financial Instruments Directive490625 LLPGo4Venture Advisers LLP30Markets in Financial Instruments Directive490637 V. Pfetten - Ewaldsen1		107701			
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Markets in Financial Instruments Directive490231BBSP Partners2Instruments Directive490243Deloitte Investment Services Limited1Instruments Directive490519Westminster Wealth Management LLP6Markets in Financial Instruments Directive490521Direct Market Touch Ltd1Markets in Financial Instruments Directive490525CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LLP30Markets in Financial Instruments Directive490637v. Pfetten - Ewaldsen1			0		01
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Instruments DirectiveServices LimitedMarkets in Financial Instruments Directive490519 Management LLPWestminster Wealth Management LLP6 Management LLPMarkets in Financial Instruments Directive490521 490521Direct Market Touch Ltd1 Markets Touch LtdMarkets in Financial Instruments Directive490575 490575CheckRisk LLP Go4Venture Advisers LLP29 Markets in Financial Markets in FinancialMarkets in Financial Instruments Directive490625 490625Go4Venture Advisers LLP30 Markets in FinancialMarkets in Financial Markets in Financial490637 V. Pfetten - Ewaldsen1		490243		1	
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Markets in Financial Instruments Directive490521Direct Market Touch Ltd1Markets in Financial Instruments Directive490575CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LLP30Markets in Financial Markets in Financial490637v. Pfetten - Ewaldsen1		470317			0
Instruments Directive490575CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LLP30Markets in Financial Markets in Financial490637v. Pfetten - Ewaldsen1		490521			1
Markets in Financial Instruments Directive490575CheckRisk LLP29Markets in Financial Instruments Directive490625Go4Venture Advisers LLP30Markets in Financial490637v. Pfetten - Ewaldsen1		770521			
Instruments Directive490625Go4Venture Advisers30Markets in Financial490637v. Pfetten - Ewaldsen1		490575	CheckRisk I I P		20
Markets in Financial Instruments Directive490625 LPGo4Venture Advisers LLP30Markets in Financial490637v. Pfetten - Ewaldsen1		470373			27
Instruments DirectiveLLPMarkets in Financial490637v. Pfetten - Ewaldsen1		490625	Go4Venture Advisers		30
Markets in Financial 490637 v. Pfetten - Ewaldsen 1		770023			50
		100627		1	
		470037		'	

Markets in Financial	490640	First Matching	1	
Instruments Directive		Management B.V		
Markets in Financial	490697	Heitman UK Ltd		31
Instruments Directive	1,00,1			01
Markets in Financial	490781	Alpha Diversify Limited		30
Instruments Directive				
Markets in Financial	490846	FH Ever Inc	1	
Instruments Directive				
Markets in Financial	491003	Star Fund Managers		28
Instruments Directive		LLP		
Markets in Financial	491009	PiRho Investment		4
Instruments Directive		Consulting Ltd		
Markets in Financial	491099	STJ Advisors LLP		30
Instruments Directive				
Markets in Financial	491120	Citadel Europe LLP		30
Instruments Directive		·		
Markets in Financial	491171	Bayerische Borse AG	1	
Instruments Directive				
Markets in Financial	491178	Orion Securities AS	1	
Instruments Directive				
Markets in Financial	491208	Chryson Limited		3
Instruments Directive				
Markets in Financial	491566	Intrust Corporate		29
Instruments Directive		Finance Limited		
Markets in Financial	491906	Hyde Park Investment		31
Instruments Directive		Ltd		
Markets in Financial	492155	Tudor Capital Europe		14
Instruments Directive		LLP		
Markets in Financial	492468	e-MID SIM S.p.A	1	
Instruments Directive				
Markets in Financial	492519	Guardian Stockbrokers		30
Instruments Directive		Ltd		
Markets in Financial	492598	Boer & Olij Effectenhuis	1	
Instruments Directive				
Markets in Financial	492678	Bluefin Europe LLP		30
Instruments Directive				
Markets in Financial	492769	Liquidity Finance LLP		31
Instruments Directive				
Markets in Financial	493102	Northern Lights		30
Instruments Directive		Alternative Advisors		
		LLP		
Markets in Financial	493131	R.J. O'Brien (UK)		30
Instruments Directive		Limited		
Markets in Financial	493148	Caisse Regionale De	1	
Instruments Directive		Credit Agricole Mutuel		
		Atlantique Vendee		
Markets in Financial	493271	Caisse Regionale De	1	
Instruments Directive		Credit Agricole Mutuel		
		Loire Haute - Loire		
Markets in Financial	493437	American Century		30
Instruments Directive		Investment		
		Management (UK)		
		Limited		
Markets in Financial	493592	Ondra LLP		7
Instruments Directive				

Markets in Financial	493919	Avendus Capital (UK)		30
Instruments Directive	493919	Private Ltd		30
Markets in Financial	494001	strand capital limited		29
Instruments Directive	494001	strand capital innited		29
Markets in Financial	494045	Varchev Finance Ltd	1	
	494045		1	
Instruments Directive	404104	Abaaluta Enargy Canital		2
Markets in Financial	494184	Absolute Energy Capital		2
Instruments Directive	40.41.00			4
Markets in Financial	494188	JRJ Ventures LLP		4
Instruments Directive	40.4070			
Markets in Financial	494270	JB Capital Markets S.V.,	2	
Instruments Directive	40.4000	S.A.		
Markets in Financial	494292	Sovereign Asset	1	
Instruments Directive	104/5/	Management Limited		
Markets in Financial	494656	ABN AMRO Bank	1	
Instruments Directive		(Ireland) Limited		
Markets in Financial	494671	Olivetree Financial		30
Instruments Directive		Limited		
Markets in Financial	494727	ABR Financial B.V	1	
Instruments Directive				
Markets in Financial	494735	Oriel Asset		30
Instruments Directive		Management LLP		
Markets in Financial	494739	Kinson Capital Limited		29
Instruments Directive				
Markets in Financial	494917	Adanac Financial		1
Instruments Directive		Services Ltd		
Markets in Financial	495623	GCA Savvian Europe		30
Instruments Directive		Limited		
Markets in Financial	495699	Currencies Direct		30
Instruments Directive		Financial Markets		
		Limited		
Markets in Financial	495728	Piton Capital LLP		60
Instruments Directive				
Markets in Financial	496027	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Centre Loire		
Markets in Financial	496538	Landmark Partners		28
Instruments Directive		(Europe) Limited		
Markets in Financial	496585	Ronin Trading UK LLP		30
Instruments Directive				
Markets in Financial	496640	SpareBank 1 Markets	1	
Instruments Directive		AS		
Markets in Financial	496748	Episteme Capital		17
Instruments Directive		Partners (UK) LLP		
Markets in Financial	496757	ZAI Corporate Finance		30
Instruments Directive		Ltd		
Markets in Financial	496792	Mn Services	1	
Instruments Directive		Vermogensbeheer BV		
Markets in Financial	496869	Baylor Klein Limited		1
Instruments Directive				
Markets in Financial	496952	Caisse Regionale de	1	
Instruments Directive		Credit Agricole Mutuel		
		Toulouse 31		
Markets in Financial	497164	Falcon Money		30
Instruments Directive		Management LLP		

Markets in Financial	497263	Velocity Trade		30
Instruments Directive	477203	International Limited		50
Markets in Financial	497432	GMG Brokers Ltd		30
Instruments Directive	477432	GIVIG BIOKEI'S EIG		30
Markets in Financial	497534	RiverRock Securities		31
Instruments Directive	477554	Limited		51
Markets in Financial	497568	Social Finance Limited		5
Instruments Directive	497508	Social Finance Linned		5
Markets in Financial	497604	Caerus Financial		16
Instruments Directive	497004	Limited		10
Markets in Financial	497641	DSM Pension Services	1	
Instruments Directive	497041	B.V.	I	
Markets in Financial	497657	Systrade Asset	1	
Instruments Directive	497037	Management AG	I	
Markets in Financial	497704	AJ Bell Capital Limited		29
Instruments Directive	497704	AJ Bell Capital Littlited		29
Markets in Financial	497995	Dante Partners LLP		1
Instruments Directive	497995	Dante Partners LLP		1
Markets in Financial	498199	The TIM Partnership		30
Instruments Directive	470177	The TJM Partnership PLC		30
Markets in Financial	498261	Redington Ltd		11
Instruments Directive	490201	Rediligion Lia		11
Markets in Financial	498338	Coventry Capital Ltd		30
	498338	Coventry Capital Ltd		30
Instruments Directive Markets in Financial	400500	Dolphi Socuritico		20
Instruments Directive	498522	Delphi Securities Limited		30
Markets in Financial	498525	PERAS Associates Ltd		4
Instruments Directive	496525	PERAS ASSociates Liu		4
Markets in Financial	498633	Birwood Limited		2
Instruments Directive	490033	Bilwood Linnted		2
Markets in Financial	498703	Fiducia Capital GmbH	1	
Instruments Directive	490703	Fiducia Capital GIIIDH	I I	
Markets in Financial	498825	Continuous Change		29
Instruments Directive	490025	Charts Ltd		29
Markets in Financial	498876	ResFamiliaris LLP		4
Instruments Directive	470070			4
Markets in Financial	498920	Granite Ridge LLP		19
Instruments Directive	470720			17
Markets in Financial	498991	Independent Franchise		30
Instruments Directive	470771	Partners LLP		30
Markets in Financial	499015	Zucker & Co,		29
Instruments Directive	499013	Investment Advisors		27
instruments Directive		Ltd		
Markets in Financial	499087	Terium LLP		31
Instruments Directive	47700/			31
Markets in Financial	499403	New Nordic Capital LLP		2
Instruments Directive	477403			2
Markets in Financial	499510	Redmayne-Bentley LLP		18
Instruments Directive	477510	Reamayne-Denney LLF		10
Markets in Financial	499703	Centa Asset	1	
Instruments Directive	- / / / 03	Management GmbH	'	
Markets in Financial	499724	SRP Risk & Finance LLP		29
Instruments Directive	777724	CITERING CENTRATICE LEF		∠ 7
Markets in Financial	499798	Guggenheim		30
Instruments Directive	477170	Investment Advisors		50
		(Europe) Limited		
L				

Markets in Financial	500116	Hilltop Fund		30
Instruments Directive		Management LLP		
Markets in Financial	500232	Irish Progressive	1	
Instruments Directive		Services International		
		Limited		
Markets in Financial	500256	Secure	1	
Instruments Directive		Fondsmaeglerselskab		
		A/S		
Markets in Financial	500315	Green Ash Partners LLP		29
Instruments Directive				
Markets in Financial	500470	Global Credit Partners		2
Instruments Directive		(UK) LLP		
Markets in Financial	500473	Muntenia Global Invest	1	
Instruments Directive		S.A.		
Markets in Financial	500498	Autonomous Research		12
Instruments Directive		LLP		
Markets in Financial	500700	Centrum Bank AG	1	
Instruments Directive				
Markets in Financial	500724	Vishon UK LLP		8
Instruments Directive	5000(4			
Markets in Financial	500864	Indexus Groep B.V.	1	
Instruments Directive	500000			
Markets in Financial	500908	Townsend Group		1
Instruments Directive	504057	Europe Limited		
Markets in Financial	501057	Infinox Capital Limited		30
Instruments Directive	501075			20
Markets in Financial	501275	Capstan Capital		30
Instruments Directive	501000	Partners LLP		25
Markets in Financial	501320	GKFX Financial Services		35
Instruments Directive Markets in Financial	E01410	Limited Lakeview Capital	1	
	501410	Market Services GmbH	1	
Instruments Directive Markets in Financial	501453	10AK Capital Limited		30
Instruments Directive	501455	TOAK Capital Linited		30
Markets in Financial	501612	RTFX Limited	1	
Instruments Directive	301012		1	
Markets in Financial	502077	Bourne Independent		29
Instruments Directive	302077	Financial Advisers Ltd		27
Markets in Financial	502209	Amias Berman & Co LLP		30
Instruments Directive	002207			00
Markets in Financial	502216	National Securities S.A.	1	
Instruments Directive	001110			
Markets in Financial	502232	Acuvest Limited	1	
Instruments Directive				
Markets in Financial	502242	Quartet Capital		7
Instruments Directive		Partners LLP		
Markets in Financial	502253	SRI Capital Advisers		12
Instruments Directive		Ltd		
Markets in Financial	502254	IMC Trading B.V.	1	
Instruments Directive		_		
Markets in Financial	502504	Bell Capital Partners		30
Instruments Directive		LLP		
Markets in Financial	502505	DBJ Europe Limited		29
Instruments Directive				
Markets in Financial	502532	Ekistics Property		30
Instruments Directive		Advisors LLP		

Markets in Financial	502581	Caisse d'Epargne et de	1	
Instruments Directive	002001	Prevoyance Ile de		
		France		
Markets in Financial	502635	Hantec Markets Limited		31
Instruments Directive				
Markets in Financial	502674	Lombard Street		30
Instruments Directive		Research Financial		
		Services Ltd		
Markets in Financial	502704	FCMB Bank (UK)		12
Instruments Directive		Limited		. –
Markets in Financial	502800	Chimera Partners Ltd		16
Instruments Directive				-
Markets in Financial	502957	Centerview Partners UK		30
Instruments Directive		LLP		
Markets in Financial	503015	Gatemore Capital		2
Instruments Directive		Management LLP		
Markets in Financial	503183	Trilogy Global Advisors		16
Instruments Directive		International LLP		
Markets in Financial	503186	EBI SA	1	
Instruments Directive				
Markets in Financial	503205	KKR Credit Advisors	2	
Instruments Directive		(Ireland)		
Markets in Financial	503294	Finsbury Financial Ltd		26
Instruments Directive		5		
Markets in Financial	503303	Kestrel Partners LLP		5
Instruments Directive				
Markets in Financial	503323	FirstEnergy Capital LLP		30
Instruments Directive				
Markets in Financial	503325	Argenthal & Co Ltd		29
Instruments Directive		5		
Markets in Financial	503327	State Street Global	1	
Instruments Directive		Advisors Ireland		
		Limited		
Markets in Financial	503382	Velthuijse & Mulder	1	
Instruments Directive		Vermogensbeheer B.V.		
Markets in Financial	503402	Gemini Investment		29
Instruments Directive		Management Ltd		
Markets in Financial	503459	StormHarbour		32
Instruments Directive		Securities LLP		
Markets in Financial	503723	Aksia Europe Ltd		30
Instruments Directive				
Markets in Financial	503730	Hayfin Capital		1
Instruments Directive		Management LLP		
Markets in Financial	503745	Guardian Corporate AS	1	
Instruments Directive				
Markets in Financial	503871	The Fuel Trading		7
Instruments Directive		Company Ltd		
Markets in Financial	504005	Cornhill Management	1	
Instruments Directive		o.c.p., a.s.		
Markets in Financial	504072	AVA Trade EU Limited	1	
Instruments Directive				
Markets in Financial	504211	Hume Capital Securities		29
Instruments Directive		plc		
Markets in Financial	504272	MB Capital Limited		29
Instruments Directive				

Markets in Financial	504273	Mica Creek Capital		3
Instruments Directive		Advisors Ltd		
Markets in Financial	504390	Caxton Europe LLP		1
Instruments Directive				-
Markets in Financial	504790	Skillcapital Associates		30
Instruments Directive		LLP		00
Markets in Financial	504862	Liteforex (Europe) Ltd	1	
Instruments Directive	001002			
Markets in Financial	504863	Old Park Capital		30
Instruments Directive	504005	Limited		50
Markets in Financial	504864	BRAVE Partners LLP		9
Instruments Directive	304004			7
Markets in Financial	505042	Osmosis Investment		30
Instruments Directive	505042	Management LLP		30
Markets in Financial	505178	Firerush Ventures No.3		30
Instruments Directive	505178	LP		30
Markets in Financial	505190			30
	505190	Frogmore Real Estate Partners Fund		30
Instruments Directive				
Markata in Financial	505000	Managers Ltd		20
Markets in Financial	505208	Moorgate Capital Group		30
Instruments Directive	5050(4	Ltd		
Markets in Financial	505261	Newstate Partners LLP		30
Instruments Directive				
Markets in Financial	505298	TVG Ltd		30
Instruments Directive				
Markets in Financial	505300	Plantureux et Associes	1	
Instruments Directive				
Markets in Financial	505310	Lek Securities UK		30
Instruments Directive		Limited		
Markets in Financial	505457	Accunia	1	
Instruments Directive		Fondsmaeglerselskab		
		A/S		
Markets in Financial	505716	Milltrust International		30
Instruments Directive		LLP		
Markets in Financial	505922	MSD Partners Europe		30
Instruments Directive		LLP		
Markets in Financial	506029	Frensham Wealth		5
Instruments Directive		Limited		
Markets in Financial	506233	Medici Advisors Ltd		31
Instruments Directive				
Markets in Financial	506421	Suisse Credit Capital		6
Instruments Directive		(2009) Limited		
Markets in Financial	506600	European Investment		10
Instruments Directive		Management Ltd		
Markets in Financial	506641	Integra Private Wealth	1	
Instruments Directive		Limited		
Markets in Financial	506689	Affiliated Managers		30
Instruments Directive		Group Limited		
Markets in Financial	506790	Optimus Capital LLP		30
Instruments Directive		· ·		
Markets in Financial	506903	Global Infrastructure		30
Instruments Directive		Management LLP		
Markets in Financial	507219	OTC Europe LLP		4
Instruments Directive				
Markets in Financial	507325	Aitken Advisors LLP		29
Instruments Directive	00,020			′ ۲
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Markets in Financial	507390	Smart Private Managers	1	
Instruments Directive	307370	S.A.	'	
Markets in Financial	507475	Brookfield Private		30
Instruments Directive	307473	Advisors LP		50
Markets in Financial	507503	Dodge & Cox Worldwide		30
Instruments Directive	007000	Investments Ltd		50
Instruments Directive				
Markets in Financial	507537	Finex LLP		30
Instruments Directive				
Markets in Financial	507542	China International		21
Instruments Directive		Capital Corporation		
		(UK) Limited		
Markets in Financial	507880	Safecap Investments	1	
Instruments Directive		Limited		
Markets in Financial	507900	LD Capital Ltd		30
Instruments Directive				
Markets in Financial	507901	MET Asset Management		30
Instruments Directive		UK LLP		
Markets in Financial	507908	Caisson Investment		30
Instruments Directive		Management Partners		
		LLP		
Markets in Financial	507955	Tower Broking Limited		1
Instruments Directive				
Markets in Financial	507959	CD&R LLP		30
Instruments Directive				
Markets in Financial	509551	Capital Markets Trading		3
Instruments Directive		UK LLP		
Markets in Financial	509619	Nemea Bank plc	1	
Instruments Directive				
Markets in Financial	509723	L Capital Management	1	
Instruments Directive				
Markets in Financial	509731	Ariya Capital LLP		30
Instruments Directive				
Markets in Financial	509746	AxiCorp Limited		30
Instruments Directive				
Markets in Financial	509752	New England Asset	2	
Instruments Directive		Management Limited		
Markets in Financial	509765	Kubera Wealth Ltd		29
Instruments Directive				
Markets in Financial	509778	LMAX Limited		61
Instruments Directive				
Markets in Financial	509782	Rothesco Property	1	
Instruments Directive	50070/	Advisors B.V.	1	
Markets in Financial	509786	Ophorst Van Marwijk	1	
Instruments Directive		Kooy Vermogensbeheer N.V.		
Markets in Financial	509903	Farema Capital LLP		26
Instruments Directive				-
Markets in Financial	509909	Plus500UK Ltd		31
Instruments Directive				
Markets in Financial	509956	FXPRO UK Limited		30
Instruments Directive				
Markets in Financial	509967	Frog Capital Ltd		30
Instruments Directive				
Markets in Financial	510031	Corsair Capital LLP		30
Instruments Directive				

Markets in Financial	510080	Perspective Capital		30
Instruments Directive	510080	Management Limited		30
Markets in Financial	510095	Mount Sterling Wealth		30
Instruments Directive	510075	Limited		50
Markets in Financial	510107	Willis Welby LLP		30
Instruments Directive	510107			50
Markets in Financial	510151	Venn Partners LLP		30
Instruments Directive	510151			30
Markets in Financial	510261	Pohjola Corporate	1	
Instruments Directive	510201	Finance Oy	1	
Markets in Financial	511152	Northleaf Capital		30
Instruments Directive	511152	Partners (UK) Limited		30
Markets in Financial	511239	Banque Havilland S.A.	1	
Instruments Directive	511257	Danque navillario 5.A.	1	
Markets in Financial	511485	Tressis, Sociedad de	1	
Instruments Directive	511405	Valores, S.A.	1	
Markets in Financial	511520	H2O Markets Limited		30
Instruments Directive	511520	1120 Markets Einited		50
Markets in Financial	511727	Pangea Property	1	
Instruments Directive	511727	Partners AS	1	
Markets in Financial	511729	iFOREX Befektetesi	1	
Instruments Directive	511727	Szolgaltato Zrt.	1	
Markets in Financial	511731	Eurinvest Partners S.A.	1	
Instruments Directive	511751	Eurinvest i arthers S.A.	1	
Markets in Financial	511838	HighBreed Capital		30
Instruments Directive	511030	Limited		50
Markets in Financial	511880	VNBR Advisors Limited		30
Instruments Directive	511000	WINDIX Advisor's Elimited		50
Markets in Financial	511914	Treasury Management		30
Instruments Directive	511714	Services International		00
		Limited		
Markets in Financial	512116	Witt & Co	1	
Instruments Directive	012110	Wertpapiervermittlungs		
		GmbH		
Markets in Financial	512154	Stamford Partners LLP		29
Instruments Directive	012101			2,
Markets in Financial	512586	Medea Capital Partners		30
Instruments Directive	0.2000	Ltd		
Markets in Financial	512620	Charcot Capital (UK)		29
Instruments Directive	0.2020	LLP		_ /
Markets in Financial	512645	Sealark LLP		30
Instruments Directive				
Markets in Financial	513080	Baltic International	1	
Instruments Directive		Bank		
Markets in Financial	513126	Petrus (UK) LLP		9
Instruments Directive				-
Markets in Financial	513246	James Hambro &		31
Instruments Directive		Partners LLP		
Markets in Financial	513465	Threadmark LLP		30
Instruments Directive				
Markets in Financial	513515	Atomico (UK) Partners		18
Instruments Directive	2.20.0	LLP		
Markets in Financial	513529	Hanseatic Brokerhouse	1	
Instruments Directive		Financial Services		
		GmbH		

Markets in Financial	513803	Dias Whatmaugh		29
Instruments Directive	513803	Rice Whatmough Crozier LLP		29
Markets in Financial	513908	Raymond James Euro	1	
Instruments Directive	513908	Equities	1	
Markets in Financial	513993	Basi & Basi Financial		31
	513993			31
Instruments Directive Markets in Financial	E14000	Planning Limited	1	
	514022	Pohjola Asset	I	
Instruments Directive Markets in Financial	514096	Management Ltd APG Investment	1	
	514096		I	
Instruments Directive	514242	Services N.V.		20
Markets in Financial	514242	British Independent		30
Instruments Directive	F14004	Utilities		20
Markets in Financial	514394	IUR Capital Ltd		30
Instruments Directive	F14F10			20
Markets in Financial	514518	SCIO Capital LLP		30
Instruments Directive	514500	Turker Distantion that a		
Markets in Financial	514529	Tudor, Pickering, Holt &		11
Instruments Directive		Co. International, LLP		20
Markets in Financial	514546	CBH Europe Limited		30
Instruments Directive				
Markets in Financial	514598	Calamos Investments		30
Instruments Directive		LLP		
Markets in Financial	514644	Revcap Advisors Ltd		30
Instruments Directive				
Markets in Financial	514673	Lloyd Baughan LLP		29
Instruments Directive				
Markets in Financial	514685	Atonline Ltd	1	
Instruments Directive				
Markets in Financial	514689	Columna Capital LLP		29
Instruments Directive				
Markets in Financial	514725	Chrystal Capital		30
Instruments Directive		Partners LLP		
Markets in Financial	514749	Eclipse Options (NL)	1	
Instruments Directive		B.V.		
Markets in Financial	514886	Adams Street Partners		17
Instruments Directive		UK LLP		
Markets in Financial	514965	Aspinalls Family Office		30
Instruments Directive		LLP		
Markets in Financial	515045	Rockfire Capital Limited		30
Instruments Directive				
Markets in Financial	515100	Neue Bank AG	1	
Instruments Directive				
Markets in Financial	515156	IIFL Wealth (UK)		32
Instruments Directive		Limited		
Markets in Financial	515158	Alpha Connect Capital	1	
Instruments Directive		GmbH		
Markets in Financial	515302	OMAM International Ltd		13
Instruments Directive				
Markets in Financial	515304	BlueCrest Capital		3
Instruments Directive		Management (UK) LLP		
Markets in Financial	515393	Lombard Odier Asset		34
Instruments Directive		Management (Europe)		
		Limited		
Markets in Financial	515466	Mercury Capital		30
Instruments Directive		Advisors LLP		

Manhada ta Eta anatal	515500			20
Markets in Financial	515599	Prospect Capital Ltd		30
Instruments Directive Markets in Financial	515672	Tan-EU Capital LLP		10
Instruments Directive	515672	Tan-EU Capital LLP		10
Markets in Financial	515691	Utility Capital UK LLP		1
Instruments Directive	515091	othity capital ok EE		1
Markets in Financial	515832	JLT Advisory Limited		31
Instruments Directive	515052	SET Advisory Elitited		51
Markets in Financial	515901	Connectum Capital	1	
Instruments Directive	515701	Management AS		
Markets in Financial	516015	TRG Management UK		13
Instruments Directive	510015	LLP		15
Markets in Financial	516153	Sequoia Investment		30
Instruments Directive	510133	Management Company		50
		Limited		
Markets in Financial	516154	Crossbridge Capital		29
Instruments Directive	010101	Merchant Banking LLP		2,
Markets in Financial	516459	Logic Investments Ltd		30
Instruments Directive				00
Markets in Financial	516737	Aperios Partners LLP		29
Instruments Directive				_ /
Markets in Financial	516801	Moelis & Company UK		31
Instruments Directive		LLP		0.
Markets in Financial	516932	S. P. Angel Corporate		30
Instruments Directive		Finance LLP		
Markets in Financial	517235	Whitefoord LLP		4
Instruments Directive				
Markets in Financial	517378	Ethicalfin Limited		29
Instruments Directive				
Markets in Financial	517502	Grant Thornton		29
Instruments Directive		Employee Benefits		
		Consultancy LLP		
Markets in Financial	517522	La Francaise Forum		2
Instruments Directive		Securities (UK) Limited		
Markets in Financial	517678	Hudson Advisors UK		30
Instruments Directive		Limited		
Markets in Financial	517984	Veracity Capital		11
Instruments Directive		Partners Limited		
Markets in Financial	517987	PVE Capital LLP		3
Instruments Directive				
Markets in Financial	518081	Banque Neuflize OBC	1	
Instruments Directive				
Markets in Financial	518093	TTCM Traders Trust	1	
Instruments Directive		Capital Markets Ltd		
Markets in Financial	518152	Harrogate Financial		30
Instruments Directive		Solutions Limited		
Markets in Financial	518286	Blenheim Capital		30
Instruments Directive		Services Ltd		
Markets in Financial	518498	Independent Financial		29
Instruments Directive		Services 4 You Ltd		
Markets in Financial	518536	John Lamb LLP		30
Instruments Directive				
Markets in Financial	518552	Liontrust Investment		1
Instruments Directive		Partners LLP		
Markets in Financial	518554	Artisan Partners UK LLP		17
Instruments Directive				

Markets in Financial	519070	Ryse Asset		29
Instruments Directive		Management LLP		
Markets in Financial	519084	DQL Energy LLP		5
Instruments Directive				-
Markets in Financial	519365	Traycer LLP		30
Instruments Directive				
Markets in Financial	519433	Castelar Corporate	1	
Instruments Directive	017100	Finance ASA		
Markets in Financial	519456	Auréus Vermogen &	1	
Instruments Directive	017100	Advies B.V.		
Markets in Financial	519485	International Capital	1	
Instruments Directive	517405	Management AG		
Markets in Financial	519695	A & M Financial		29
Instruments Directive	517075	Services Ltd		27
Markets in Financial	519772	Midmar Capital LLP		15
Instruments Directive	517/12			15
Markets in Financial	520444	Ardevora Asset		12
Instruments Directive	520444	Management LLP		12
Markets in Financial	520534	Beach Point Capital		30
	520554			30
Instruments Directive Markets in Financial	520668	Europe LLP Montesquieu Finance	1	
	520668	B.V.		
Instruments Directive	500/74		1	
Markets in Financial	520674	MeritKapital Ltd	1	
Instruments Directive	500777			
Markets in Financial	520777	Renta 4, Sociedad de	Ĩ	
Instruments Directive	500000	Valores, S.A.		50
Markets in Financial	520839	The Blackstone Group		59
Instruments Directive		International Partners		
		LLP		
Markets in Financial	520929	AC Global Markets		1
Instruments Directive		Limited		
Markets in Financial	520965	ICM Capital Limited		29
Instruments Directive				
Markets in Financial	521324	3D Global Financial	2	
Instruments Directive		Services Ltd		
Markets in Financial	521446	Spectra FX Solutions		30
Instruments Directive		LLP		
Markets in Financial	521567	Castle Hill Asset		30
Instruments Directive		Management LLP		
Markets in Financial	521678	Tate Consultancy		30
Instruments Directive		Limited		
Markets in Financial	522157	XTB Limited		31
Instruments Directive				
Markets in Financial	522193	Baggette & Company		4
Instruments Directive		Wealth Management		
		Limited		
Markets in Financial	522216	EuroTLX SIM SpA	1	
Instruments Directive				
Markets in Financial	522323	Arbour Partners LLP		20
Instruments Directive				
Markets in Financial	522396	Banca Simetica Spa	1	
Instruments Directive				
Markets in Financial	522477	Halkin Investments LLP		29
Instruments Directive				
Markets in Financial	522491	Salamanca Capital		31
Instruments Directive		Partners LLP		

Markets in Financial	522649	Orion Wealth LLP		13
Instruments Directive	522049			13
Markets in Financial	522664	Solid Financial Services	1	
Instruments Directive	522004	Ltd	'	
Markets in Financial	523080	Banor Capital Limited		6
Instruments Directive	525000			0
Markets in Financial	523147	Countrywide		1
Instruments Directive	525147	Investment Promotions		
		Limited		
Markets in Financial	523160	Aetia Ltd		30
Instruments Directive				
Markets in Financial	523180	Artemis Investment		1
Instruments Directive		Management LLP		
Markets in Financial	523243	Today's Brokers B.V.	1	
Instruments Directive				
Markets in Financial	523422	The Share		30
Instruments Directive		Republic.com Limited		
Markets in Financial	523620	ABN AMRO Bank NV	2	
Instruments Directive				
Markets in Financial	523775	Etoro (Europe) Limited	1	
Instruments Directive				
Markets in Financial	523777	Hycroft LLP		30
Instruments Directive				
Markets in Financial	523789	Navarino Capital		13
Instruments Directive		Limited		
Markets in Financial	523831	VCP Advisors Limited		30
Instruments Directive				
Markets in Financial	523925	ICAP Scandinavia	1	
Instruments Directive		Fondsmaeglerskab A/S		
Markets in Financial	524218	X-Trade Brokers Dom	1	
Instruments Directive		Maklerski S.A.		
Markets in Financial	524522	Banco Bradesco Europa	2	
Instruments Directive		S.A.		
Markets in Financial	524531	NPEX B.V.	1	
Instruments Directive				
Markets in Financial	524633	Todays	1	
Instruments Directive		Vermogensbeheer B.V.		
Markets in Financial	524754	FXDD Malta Limited	1	
Instruments Directive				
Markets in Financial	524836	AVM Financial Limited		1
Instruments Directive				
Markets in Financial	524871	Agency Partners LLP		29
Instruments Directive				
Markets in Financial	524897	LL Capital & Partners	1	
Instruments Directive		Limited		
Markets in Financial	525113	Ikon Finance Limited		30
Instruments Directive				
Markets in Financial	525164	FINSA Europe Ltd		31
Instruments Directive				
Markets in Financial	525174	RWE Trading Services	2	
Instruments Directive		GmbH		
Markets in Financial	525226	Goldman Sachs AG	1	
Instruments Directive				
Markets in Financial	525399	Union Corporate AS	1	
Instruments Directive				

Markata in Financial	F2F422	Abundance Investment		21
Markets in Financial	525432	Abundance Investment		31
Instruments Directive	525784	Ltd		15
Markets in Financial	525784	Hanson Asset		15
Instruments Directive Markets in Financial	525956	Management Limited		31
	525956	Turquoise Global		31
Instruments Directive	505070	Holdings Ltd		
Markets in Financial	525979	About Corporate		3
Instruments Directive		Finance Limited		
Markets in Financial	526034	AFEX Markets Plc		9
Instruments Directive	50/100			
Markets in Financial	526102	DonauCapital	1	
Instruments Directive		Investment		
		GmbH's		
Markets in Financial	526177	Bechtel Financing		30
Instruments Directive		Services Limited		
Markets in Financial	526294	Huber & Co Limited	1	
Instruments Directive				
Markets in Financial	526549	Global Reach Markets		30
Instruments Directive		Limited		
Markets in Financial	526604	Beacon Wealth		31
Instruments Directive		Management Limited		
Markets in Financial	526819	Prime Wealth Group		29
Instruments Directive		Limited		
Markets in Financial	526914	Salus Alpha Financial	1	
Instruments Directive		Services (Europe)		
		Limited		
Markets in Financial	526938	Factory AD	1	
Instruments Directive				
Markets in Financial	526965	The Seaport Group		30
Instruments Directive		Europe LLP		
Markets in Financial	527153	London Capital Advisors		6
Instruments Directive		Ltd		
Markets in Financial	527167	TFI Markets Ltd	1	
Instruments Directive				
Markets in Financial	527254	Institutional Cash		1
Instruments Directive		Distributors Limited		
Markets in Financial	527314	GP Bullhound LLP		14
Instruments Directive				
Markets in Financial	527315	VP Bank AG	1	
Instruments Directive				
Markets in Financial	527340	Helliot Vermogenbeheer	1	
Instruments Directive		N.V.		
Markets in Financial	527443	Headley Financial		28
Instruments Directive		Services Limited		
Markets in Financial	527557	Absolute Return		5
Instruments Directive	02/00/	Investment Advisers		C C
		(ARIA) Limited		
Markets in Financial	527770	Sullivan Street Partners		6
Instruments Directive	52,770	Limited		0
Markets in Financial	527784	Ahorro Corporacion	1	
Instruments Directive	52,704	Financiera, Sociedad De	'	
		Valores,S.A		
Markets in Financial	527809			30
	527809	Key To Markets Limited		30
Instruments Directive	F07000			
Markets in Financial	527839	Vanguard Asset		32
Instruments Directive		Management, Ltd		

Instruments Directive 528141 Akeltis 1 Markets in Financial 528210 DualEdge Capital 3 Markets in Financial 528220 Divisa UK Limited 3 Instruments Directive Management LLP 3 Markets in Financial 528320 Atkinson Powell 3 Instruments Directive 528330 Atkinson Powell 3 Instruments Directive Financial Management 3 Instruments Directive LLP 3 Markets in Financial 528366 Asante Capital Group 3 Instruments Directive 1 3 3 Markets in Financial 528684 Aravis Partners LLP 3 Markets in Financial 528720 Cambridge Capital 3 Instruments Directive Management UK LLP 3 Markets in Financial 528847 Tyser Capital 3 Instruments Directive Management LLP 3 Markets in Financial 528940 Bishopsfield Capital 3 Instruments Directive 252902 Beta 2 Limited 3 Markets i	Markets in Financial	528139	OTP Bank Nyrt	1	
Markets in Financial 528141 Axeltis 1 Instruments Directive Management LLP 3 Markets in Financial 528220 Divisa UK Limited 3 Instruments Directive S28328 Divisa UK Limited 3 Markets in Financial 528320 Atkinson Powell 3 Instruments Directive Financial Management 2 Markets in Financial 528340 Asante Capital Group 3 Instruments Directive LLP 3 Markets in Financial 528428 Roodhals Capital Group 3 Instruments Directive LLP 3 3 Markets in Financial 528720 Cambridge Capital 3 Instruments Directive Management UK LLP 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Management UP 4 3 Markets in Financial 528847 Arrowstreet Capital 3 Instruments Directive Management UP 4 3 Markets in Financial 528940 Bishopsfield Capital 1	Instruments Directive		, ,		
Instruments Directive 528210 DualEdge Capital 3 Markets in Financial 528210 DualEdge Capital 3 Instruments Directive Season Atkinson Powell 3 Instruments Directive Financial Management 3 Instruments Directive Season 4 3 Markets in Financial 528300 Atkinson Powell 3 Instruments Directive Season 4 2 Markets in Financial 528428 Roodhals Capital Ltd 2 Instruments Directive Season 4 2 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Management LLP 3 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Management LLP 3 3 Markets in Financial 528948 Arrowstreet Capital 3 Instruments Directive Management LLP 3 Markets in Financial 528947 Arrowstreet Capital 3 Instruments Directive Sasonsposfield Capital 1 <		528141	Axeltis	1	
Markets in Financial 528210 DualEdge Capital 3 Instruments Directive 528328 Divisa UK Limited 3 Markets in Financial 528330 Atkinson Powell 3 Instruments Directive 528330 Atkinson Powell 3 Markets in Financial 528340 Atkinson Powell 3 Instruments Directive LLP 4 4 Markets in Financial 528366 Asante Capital Group 3 Instruments Directive 1 1 2 Markets in Financial 528684 Aravis Partners LLP 3 Instruments Directive 1 3 3 Markets in Financial 528720 Cambridge Capital 3 Instruments Directive 1 3 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive 1 3 3 Markets in Financial 528940 8 3 Instruments Directive 2 4 3 Markets in Financial 528940 8 3 Instrument	Instruments Directive				
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Markets in Financial 528328 Divisa UK Limited 3 Markets in Financial 528330 Atkinson Powell 3 Instruments Directive Financial Management 1 Markets in Financial 528366 Asante Capital Group 3 Instruments Directive LLP 3 Markets in Financial 528428 Roodhals Capital Ltd 2 Instruments Directive 528720 Cambridge Capital 3 Markets in Financial 528720 Cambridge Capital 3 Instruments Directive Management UK LLP 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Management UK LLP 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Europe Limited 3 Markets in Financial 528940 Bishopsfield Capital 1 Instruments Directive Advisors LLP 3 Markets in Financial 529092 Beta 2 Limited 3 Instruments Directive Advisors LLP 3 Markets in Financial		0202.0	U		
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Markets in Financial 528330 Atkinson Powell Instruments Directive LLP Markets in Financial 528366 Asante Capital Group 3 Instruments Directive LLP 3 Markets in Financial 528428 Roodhals Capital Ltd 2 Markets in Financial 528428 Roodhals Capital Ltd 2 Markets in Financial 528700 Cambridge Capital 3 Instruments Directive Management UK LLP 3 Markets in Financial 528770 Cambridge Capital 3 Instruments Directive Management ULP 3 Markets in Financial 528747 Tyser Capital 3 Instruments Directive Management LLP 3 Markets in Financial 528940 Bishopsfield Capital 1 Instruments Directive Partners Limited 1 Markets in Financial 528998 Methexis Capital 3 Instruments Directive Partners Limited 3 Markets in Financial 529092 Beta 2 Limited 2 Instruments Directive 2 2		520520	Divisa ok Elimited		51
Instruments DirectiveFinancial Management LLPMarkets in Financial528366Asante Capital Group3Instruments DirectiveLLP3Markets in Financial528428Roodhals Capital Ltd2Markets in Financial528684Aravis Partners LLP3Instruments Directive528720Cambridge Capital3Markets in Financial528720Cambridge Capital3Instruments DirectiveManagement UK LLP3Markets in Financial528747Tyser CapitalInstruments DirectiveManagement UK LLP3Markets in Financial528847Arrowstreet CapitalInstruments DirectiveEurope Limited3Markets in Financial528940Bishopsfield Capital1Instruments DirectiveAdvisors LLP3Markets in Financial528998Methexis Capital3Instruments DirectiveAdvisors LLP3Markets in Financial529092Beta 2 Limited2Instruments DirectiveS29094Carduus Capital LLP3Markets in Financial529044AFX Capital Markets Ltd1Instruments DirectiveS29286Zerich Securities Ltd1Markets in Financial529286Zerich Securities Ltd1Instruments DirectiveMarkets In Financial529797Olabrium InvestmentMarkets in Financial529799Collabrium Investment3Instruments DirectiveAdvisors LLP3Markets		528330	Atkinson Powell		5
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Instruments DirectiveLLPMarkets in Financial528428Roodhals Capital Ltd2Instruments Directive528684Aravis Partners LLP3Instruments DirectiveMarkets in Financial528720Cambridge Capital3Instruments DirectiveManagement UK LLP3Markets in Financial528747Tyser Capital3Instruments DirectiveManagement UK LLP3Markets in Financial528747Tyser Capital3Instruments DirectiveManagement LLP3Markets in Financial528940Bishopsfield Capital3Instruments DirectiveBishopsfield Capital1Instruments DirectivePartners Limited3Markets in Financial528998Methexis Capital3Instruments DirectiveAdvisors LLP3Markets in Financial529092Beta 2 Limited2Instruments DirectiveSeptide2Markets in Financial52904Carduus Capital LLPInstruments DirectiveSeptide1Markets in Financial529106Novum Capital LimitedInstruments DirectiveSeptide1Markets in Financial529264AFX Capital Markets Ltd1Instruments DirectiveAG2Markets in Financial529709Collabrium Investment3Instruments DirectiveAG33Markets in Financial529704Carduus Capital Limited1Instruments Directive <td></td> <td></td> <td>_</td> <td></td> <td></td>			_		
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Markets in Financial Instruments Directive528428Roodhals Capital Ltd22Markets in Financial Instruments Directive528684Aravis Partners LLP33Markets in Financial Instruments Directive528720Cambridge Capital Management UK LLP33Markets in Financial Instruments Directive528747Tyser Capital Management UK LLP33Markets in Financial Instruments Directive528747Tyser Capital Management LLP33Markets in Financial Instruments Directive528847Arrowstreet Capital Europe Limited33Instruments Directive528940Bishopsfield Capital Partners Limited11Markets in Financial Instruments Directive528998Methexis Capital Advisors LLP33Markets in Financial Instruments Directive529092Beta 2 Limited22Markets in Financial Instruments Directive529040Carduus Capital LLP1Markets in Financial Instruments Directive529042AFX Capital Markets Ltd1Markets in Financial Instruments Directive529264AFX Capital Markets Ltd1Markets in Financial Instruments Directive529761Deutsche Bank Privat- und Geschaftskunden AG1Markets in Financial Instruments Directive529799Collabrium Investment Advisors LLP33Markets in Financial Instruments Directive529866Harrington Cooper LLP Instruments Directive33Markets in Financial Instruments Directive529989Theorema Advisors UK LLP <td>Instruments Directive</td> <td></td> <td></td> <td></td> <td></td>	Instruments Directive				
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	Markets in Financial	529939	Theorema Advisors UK		17
	Instruments Directive		LLP		
		530083			31
Instruments Directive					
		530196	Searchlight Capital		30
Instruments Directive Partners UK LLP					
Markets in Financial 530676 Red Sky Capital		530676			4
Instruments Directive Solutions LLP		2000/0	5		т
Markets in Financial 530724 Prologis Private Capital		530724			4
Instruments Directive UK Limited		550724	-		4

Markets in Financial	530745	Hines Europe Real		32
Instruments Directive	000710	Estate Investments		02
		Limited		
Markets in Financial	530799	Pine River Capital		30
Instruments Directive		Partners (UK) LLP		
Markets in Financial	531016	CELF Advisors LLP		31
Instruments Directive				0.
Markets in Financial	531029	Est4te Four Capital LLP		2
Instruments Directive				
Markets in Financial	531136	Alpha UCITS Ltd		27
Instruments Directive				
Markets in Financial	531138	Caesar Capital B.V.	1	
Instruments Directive				
Markets in Financial	531181	KAS Trust & Depositary	1	
Instruments Directive		Services B.V.		
Markets in Financial	531409	CECP Advisors LLP		18
Instruments Directive				
Markets in Financial	531505	Goldenberg Hehmeyer		4
Instruments Directive		LLP		
Markets in Financial	531545	Allen & Company		30
Instruments Directive		Advisors LLP		
Markets in Financial	531771	Volopa Capital Limited		30
Instruments Directive				
Markets in Financial	532121	Halcyon Loan Advisors		1
Instruments Directive		(UK) LLP		
Markets in Financial	532447	Eme Capital LLP		1
Instruments Directive				
Markets in Financial	532714	Evercore Partners		28
Instruments Directive		International LLP		
Markets in Financial	532725	GVA Financial		1
Instruments Directive		Consulting Limited		
Markets in Financial	532885	FIBO Group Holdings	1	
Instruments Directive		Ltd		
Markets in Financial	532912	Altana Wealth Limited		30
Instruments Directive				
Markets in Financial	532973	UBS (FRANCE)	1	
Instruments Directive				
Markets in Financial	533039	Global Prime Partners		30
Instruments Directive		Limited		
Markets in Financial	533265	Bank of Valletta PLC	1	
Instruments Directive	5000/7			
Markets in Financial	533267	Huckleberry		29
Instruments Directive	500001	Investments LLP		
Markets in Financial	533291	Brookfield Investment		30
Instruments Directive		Management (UK)		
Marthata in Financial	522540	Limited		20
Markets in Financial	533548	ERG Financial Planning		30
Instruments Directive	E22041	Limited		4 7
Markets in Financial	533841	M3 Capital Partners		17
Instruments Directive	E22070	(UK) LLP		20
Markets in Financial	533879	IRIS Advisory Limited		30
Instruments Directive	5 22000	Stalla Capital Advisor		04
Markets in Financial	533902	Stella Capital Advisors		31
Instruments Directive	504007	LLP Dalta Financial Markata		04
Markets in Financial	534027	Delta Financial Markets		31
Instruments Directive		Limited		

Markets in Financial	534306	Aurial Equity Invastors		12
	534306	Auriel Equity Investors		12
Instruments Directive Markets in Financial	534453	Icora Partners Limited		10
	534453	Icora Partners Limited		18
Instruments Directive Markets in Financial	E24461	CCM Investments III		17
	534461	GCM Investments UK		16
Instruments Directive	504740	LLP	1	
Markets in Financial	534768	Guggenheim Partners	1	
Instruments Directive	504004	Europe Limited		
Markets in Financial	534836	Salm-Salm & Partner	1	
Instruments Directive	504040	GmbH		
Markets in Financial	534842	GWM Capital Advisors		6
Instruments Directive	524044	LLP		20
Markets in Financial	534844	Atlantis Capital		30
Instruments Directive	504040	Management Limited		
Markets in Financial	534869	Denny Ellison		30
Instruments Directive		Enterprises Limited		
Markets in Financial	535013	FXdirekt Bank AG	1	
Instruments Directive				
Markets in Financial	535065	Cobber Finance BV	1	
Instruments Directive				
Markets in Financial	535445	Ancala Partners LLP		30
Instruments Directive				
Markets in Financial	536448	Moor Park Capital		30
Instruments Directive		Partners LLP		
Markets in Financial	536817	JCI Capital Limited		62
Instruments Directive				
Markets in Financial	536841	Gabelli Securities		29
Instruments Directive		International UK Ltd		
Markets in Financial	536853	Grove Capital		3
Instruments Directive		Management Ltd		
Markets in Financial	536900	Carbon Financial		28
Instruments Directive		Partners Ltd		
Markets in Financial	536957	Leonteq Securities	2	
Instruments Directive		(Europe) GmbH		
Markets in Financial	536987	Elevation Trading		1
Instruments Directive		Limited		
Markets in Financial	537080	HYWIN WEALTH LLP		30
Instruments Directive				
Markets in Financial	537103	Future Value Capital		30
Instruments Directive		LLP		
Markets in Financial	537110	FirstPoint Equity Ltd		21
Instruments Directive				
Markets in Financial	537165	Laidlaw & Company		17
Instruments Directive		International Limited		
Markets in Financial	537258	One Plus Capital Ltd	1	
Instruments Directive				
Markets in Financial	537301	Skybound Capital UK		30
Instruments Directive		Limited		
Markets in Financial	537389	Linear Investments		31
Instruments Directive		Limited		
Markets in Financial	537582	EGR Broking Limited		30
Instruments Directive				
Markets in Financial	537585	Affinity Financial		29
Instruments Directive		Products LLP		- /
Markets in Financial	537787	FX Stat Ltd		31
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538117	Loch Fyne Financial		1
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F20170	Management Limited		
538170			30
500004			
538324		1	
538493	Argus Stockbrokers Ltd	1	
538575	Bivouac Capital LLP		30
538634	ETF Securities (UK)		17
	Limited		
538762	Shard Capital Partners		17
	LLP		
538896	Societe Generale		30
	International Limited		
539348	Tourbillon Limited	1	
539399	Milliman Financial		31
	Strategies Limited		
539422			28
539429	Allegra Asset		29
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539509			30
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540418	Valbury Capital Limited		30
540688			30
540892	Harris Williams & Co.		31
	Ltd		
540893	Tendercapital Limited		11
541013	Invest Securities	1	
541054	Illiquidx LLP	İ	30
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541293	ABG Sundal Collier		30
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Markets in Financial	541402	Leoni Sceti Advisory &		2
Instruments Directive	541402	Management Limited		2
Markets in Financial	541427	Napier Park Global		30
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Instruments Directive	541486	Capital Ltd IronFX Global Limited	1	
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Markets in Financial	541623	Xenfin Capital Limited		1
Instruments Directive				
Markets in Financial	541800	Patron Capital Advisers		10
Instruments Directive		LLP		
Markets in Financial	542059	Platform One Limited		30
Instruments Directive				
Markets in Financial	542111	Hampton Court Capital		5
Instruments Directive		Limited		
Markets in Financial	542189	AIMcapital AG	1	
Instruments Directive				
Markets in Financial	542225	Cebile Capital LLP		31
Instruments Directive				
Markets in Financial	542574	OANDA Europe Limited		30
Instruments Directive				
Markets in Financial	542673	Schmiegelow	1	
Instruments Directive	012070	Investeringsradgivning	•	
		v/Peter Christian		
		Schmiegelow		
Markets in Financial	542788	TOM B.V.	1	
Instruments Directive	542700	I OIVI B.V.	1	
Markets in Financial	542922	Renell	1	
	542922		I	
Instruments Directive		Wertpapierhandelsbank		
	540044	AG		
Markets in Financial	542941	Luxor Asset	1	
Instruments Directive		Management Trust reg.		
Markets in Financial	543000	CA Indosuez Wealth	1	
Instruments Directive		(Europe)		
Markets in Financial	543025	Eos Wealth		31
Instruments Directive		Management Limited		
Markets in Financial	543123	AEGON Investment		4
Instruments Directive		Solutions Limited		
Markets in Financial	543169	Abraaj Advisers UK		30
Instruments Directive		Limited		
Markets in Financial	543239	Sea Port Group		30
Instruments Directive		Securities (Europe) LLP		
Markets in Financial	543256	Darion Capital	1	
Instruments Directive		Management BV		
Markets in Financial	543311	Moscrops Financial		8
Instruments Directive		Planning (Bury) LLP		_
Markets in Financial	543458	ING Real Estate Select	1	
Instruments Directive	510100	Global Holding B.V.		
Markets in Financial	543459	Beaufort Investment		3
Instruments Directive	5-5-57	Management Ltd		5
Markets in Financial	543560	CVC Credit Partners		30
Instruments Directive	545500	Investment		30
Manha ha la El la la	F (1000	Management Limited		
Markets in Financial	544080	Beltone Financial (UK)		30
Instruments Directive		LLP		
Markets in Financial	544237	SECOR Investment		32
Instruments Directive		Advisors (UK) LLP		

Markets in Financial	544287	ICAP Energy AS	1	
Instruments Directive	544207	ICAF Ellergy AS	1	
Markets in Financial	544543	Scipion Capital (UK)		58
Instruments Directive	544545	Limited		50
Markets in Financial	544682	Societe De Bourse	1	
Instruments Directive	011002	Gilbert Dupont		
Markets in Financial	544837	Kobalt Capital Limited		30
Instruments Directive	011007			00
Markets in Financial	544872	Bulbrokers EAD	1	
Instruments Directive	0			
Markets in Financial	544874	iSwap Euro Limited		31
Instruments Directive				
Markets in Financial	547510	Banque Transatlantique	1	
Instruments Directive		Luxembourg		
Markets in Financial	547535	Colmex Pro Ltd	1	
Instruments Directive				
Markets in Financial	547538	Nfinance Securities	1	
Instruments Directive				
Markets in Financial	547582	GEM Capital	1	
Instruments Directive		Investment Group Ltd		
Markets in Financial	547587	Investering & Tryghed	1	
Instruments Directive		Fondsmaeglerselskab		
		A/S		
Markets in Financial	547697	Four Partners Advisory	1	
Instruments Directive		SIM SpA		
Markets in Financial	547801	Zenit Asset		30
Instruments Directive		Management LLP		
Markets in Financial	547822	Glider Trading LLP		30
Instruments Directive				
Markets in Financial	548030	Robert Quinn Advisory		29
Instruments Directive		LLP		
Markets in Financial	548039	Leighton Brothers		29
Instruments Directive		Limited		
Markets in Financial	548059	Mainstreet Capital		30
Instruments Directive		Partners Limited		
Markets in Financial	548063	Greensphere Capital		12
Instruments Directive		LLP		
Markets in Financial	549766	Basalt Infrastructure		30
Instruments Directive		Partners LLP		
Markets in Financial	549790	FX Central Clearing Ltd	1	
Instruments Directive				
Markets in Financial	549841	Negentropy Capital		29
Instruments Directive		Partners LLP		
Markets in Financial	549980	Epoch Wealth		4
Instruments Directive		Management LLP		
Markets in Financial	550033	Icecapital Asset	2	
Instruments Directive		Management Ltd		
Markets in Financial	550103	Sapia Partners LLP		30
Instruments Directive				
Markets in Financial	550216	First Quant GmbH	1	
Instruments Directive			├ ─── │	
Markets in Financial	550227	Tcam Asset		10
Instruments Directive		Management Limited		
Markets in Financial	550649	Marguerite Adviser S.A.	1	
Instruments Directive				

Markets in Financial	550661	Arctic Fund	1	
Instruments Directive	000001	Management		
Markets in Financial	550731	Rede Partners LLP		30
Instruments Directive	000701			00
Markets in Financial	550732	Bergen Energi Markets	1	
Instruments Directive	000702	AS		
Markets in Financial	550762	Laurel Capital Kingsway		2
Instruments Directive	000702	LLP		-
Markets in Financial	550781	Taragon Capital AG	1	
Instruments Directive	000701			
Markets in Financial	550782	Front Securities AS	1	
Instruments Directive	000702			
Markets in Financial	550784	FinEx Capital		2
Instruments Directive	000701	Management LLP		£
Markets in Financial	550785	BMFN EAD	1	
Instruments Directive	000700		•	
Markets in Financial	550908	Oaktree Capital		17
Instruments Directive		Management (UK) LLP		
Markets in Financial	551092	Kingsley Asset		30
Instruments Directive		Management (Global)		
		LLP		
Markets in Financial	551153	GFTA Analytics AG	1	
Instruments Directive				
Markets in Financial	551170	Mariana UFP LLP		30
Instruments Directive				
Markets in Financial	551196	Oddo Seydler Bank AG	1	
Instruments Directive		,		
Markets in Financial	551200	UBS Bank SA	1	
Instruments Directive				
Markets in Financial	551203	MP Bank hf	1	
Instruments Directive				
Markets in Financial	551422	Saxo Capital Markets		1
Instruments Directive		UK Limited		
Markets in Financial	551580	Stepstone Group		30
Instruments Directive		Europe LLP		
Markets in Financial	551828	Knight Assets & Co. LLP		27
Instruments Directive		C .		
Markets in Financial	551971	Hunter Hall		3
Instruments Directive		International (UK) Ltd		
Markets in Financial	552265	Kinetix Corporate		28
Instruments Directive		Finance LLP		
Markets in Financial	552611	MARCUARD HERITAGE	1	
Instruments Directive		(EUROPE) LTD		
Markets in Financial	552790	Pegasus Capital LLP		30
Instruments Directive				
Markets in Financial	552894	Dolfin Financial (UK)		31
Instruments Directive		Ltd		
Markets in Financial	552917	Tourmaline Europe LLP		1
Instruments Directive				
Markets in Financial	552925	Anderson Strathern		4
Instruments Directive		Asset Management		
		Limited		
Markets in Financial	553071	Orbex Ltd.	1	
Instruments Directive				
Markets in Financial	553345	Klimek Advisors Fund	1	
Instruments Directive		Consulting GmbH		

Markets in Financial	553816	Zanders Financial	1	
Instruments Directive		Services BV		
Markets in Financial	554051	Sturgeon Capital Ltd		2
Instruments Directive				_
Markets in Financial	554065	Sequoia Capital Fund		30
Instruments Directive		Management LLP		
Markets in Financial	554212	Bankia SA	1	
Instruments Directive	001212			
Markets in Financial	554229	ML Capital Limited		29
Instruments Directive	001227			27
Markets in Financial	554408	Stone Drum Partners		30
Instruments Directive	001100	LLP		00
Markets in Financial	554505	TIAA-CREF Asset		14
Instruments Directive	001000	Management UK		
		Limited		
Markets in Financial	554548	BLS Capital	1	
Instruments Directive	001010	Fondsmaeglerselskab		
		A/S		
Markets in Financial	555656	Swisspartners AG	1	
Instruments Directive				
Markets in Financial	555887	Strukturinvest	1	
Instruments Directive		Fondkommission AB		
Markets in Financial	555981	Eldainvest SA	1	
Instruments Directive	000701			
Markets in Financial	556193	Cinven Partners LLP		9
Instruments Directive	000170			,
Markets in Financial	556226	Willis Structured		30
Instruments Directive	000220	Financial Solutions		00
		Limited		
Markets in Financial	556345	Bank J. Safra Sarasin	1	
Instruments Directive	000010	(Deutschland) AG		
Markets in Financial	556769	Vanilla Capital GmbH	1	
Instruments Directive				
Markets in Financial	556894	Byhiras (Europe) Ltd		30
Instruments Directive				00
Markets in Financial	556927	Permian Global		1
Instruments Directive		Advisors LLP		•
Markets in Financial	556983	Baynard Capital		30
Instruments Directive	000700	Management LLP		00
Markets in Financial	557370	Itau UK Asset		30
Instruments Directive		Management Limited		
Markets in Financial	557641	B.V. Interest &	1	
Instruments Directive		Currency Consultants		
		I.C.C.		
Markets in Financial	558076	Tiber Capital LLP		1
Instruments Directive	000070			•
Markets in Financial	558158	NAU Securities Ltd		31
Instruments Directive				01
Markets in Financial	558958	Direct Hedge Danmark	1	
Instruments Directive		Fondssmaeglerseiskab	'	
Instruments Directive		A/S		
Markets in Financial	559180	Digital Vega FX Ltd		22
Instruments Directive	1			
Markets in Financial	559443	Loomis Sayles		30

Markets in Financial	560531	A.J.K. Wealth	1	
Instruments Directive	000001	Management Limited		
Markets in Financial	560872	AFX Markets Limited		30
Instruments Directive	000072			00
Markets in Financial	561640	Pemberton Capital		31
Instruments Directive	001010	Advisors LLP		01
Markets in Financial	561711	Union Bank AG	1	
Instruments Directive	301711		1	
Markets in Financial	562082	Expert Timing Systems	1	
Instruments Directive	502002	International, EAFI,SL		
Markets in Financial	562156	Z Investment Partners		30
Instruments Directive	502150	LLP		30
Markets in Financial	562170	Swissquote Ltd		31
Instruments Directive	562170	Swissquote Ltd		31
	F(2200	DM Capital Markata		20
Markets in Financial	562209	RM Capital Markets		30
Instruments Directive	F(00 40	Limited Moventum S.C.A.	1	
Markets in Financial	562249	Moventum S.C.A.	I	
Instruments Directive	F (0000			
Markets in Financial	562299	OMERS		30
Instruments Directive		INFRASTRUCTURE		
		EUROPE LIMITED		
Markets in Financial	562359	Adamant Capital	1	
Instruments Directive		Partners AD		
Markets in Financial	562785	Olympia Wealth		31
Instruments Directive		Management Ltd		
Markets in Financial	562854	CM-Equity AG	1	
Instruments Directive				
Markets in Financial	562946	Kaiser Partner	1	
Instruments Directive		Privatbank AG		
Markets in Financial	563162	Investglob (Gibraltar)	1	
Instruments Directive		Limited		
Markets in Financial	563329	SteelRock Limited		29
Instruments Directive				
Markets in Financial	563350	Tishman Speyer		31
Instruments Directive		Properties UK Limited		
Markets in Financial	563366	Deepbridge Capital LLP		30
Instruments Directive				
Markets in Financial	563385	Bank of Ireland Private	1	
Instruments Directive		Banking Limited		
Markets in Financial	563449	Coloma Wealth		4
Instruments Directive		Management LLP		
Markets in Financial	563661	Goldbridge Capital		30
Instruments Directive		Partners LLP		
Markets in Financial	563783	SPA Financial Services	1	
Instruments Directive		Ltd		
Markets in Financial	563796	Cattegatt Capital Ltd		30
Instruments Directive		5		
Markets in Financial	563834	XFA Global Limited		30
Instruments Directive				
Markets in Financial	563903	BOCI Global		15
Instruments Directive		Commodities (UK)		
		Limited		
Markets in Financial	563978	Global Equities Capital	1	
Instruments Directive	000770	Markets	'	
Markets in Financial	564090	Fondsmæglerselskabet	1	
Instruments Directive	504090	Maj Invest A/S	'	
		IVIAJ ITIVEST A/S		

				20
Markets in Financial	564156	Squawker Ltd		29
Instruments Directive Markets in Financial	564162	Portfoliometrix Asset		31
Instruments Directive	304102	Management Ltd		51
Markets in Financial	564570	Ox Global Investments		30
Instruments Directive	504570	Ltd		30
Markets in Financial	564960	Cygnus Investment		30
Instruments Directive	564960	Management Limited		30
Markets in Financial	565168	GPB Financial Services	1	
Instruments Directive	505106	Ltd	1	
Markets in Financial	565311	iFunds Asset		2
Instruments Directive	505511	Management Limited		Z
Markets in Financial	565503	Voya Investment		30
Instruments Directive	505503	5		30
Instruments Directive		Management (UK) Limited		
Markets in Financial	565716	Sapphire Capital		5
Instruments Directive	505710	Partners LLP		5
Markets in Financial	566199	IIPM Luxembourg S A	1	
Instruments Directive	200199	TIPM Luxembourg 5 A	1	
Markets in Financial	E44E22	Sala Capital Dartpara		1
	566533	Solo Capital Partners		4
Instruments Directive Markets in Financial	566941	Bendura Bank AG	1	
	566941	Bendura Bank AG	1	
Instruments Directive	F(7120	Moolth Monogonopt	1	
Markets in Financial	567139	Wealth Management	1	
Instruments Directive		Fondsmaeglerselskab		
Manhata in Financial	E / 7170	A/S		20
Markets in Financial	567173	OutSET Global LLP		30
Instruments Directive	F(700)	Corporators Fund		20
Markets in Financial	567206	Cornerstone Fund Placement Limited		30
Instruments Directive Markets in Financial	567225	iCON Infrastructure LLP		30
	507225			30
Instruments Directive Markets in Financial	567271	LFG Kronos Investment	1	
Instruments Directive	507271	Services GmbH	I	
Markets in Financial	567273			20
Instruments Directive	507275	Master FinCapital Limited		30
Markets in Financial	567428	Altrinsic Global		3
Instruments Directive	507420	Advisors UK Limited		3
Markets in Financial	567638		2	
Instruments Directive	50/038	Intermoney Valores, Sociedad de Valores,	2	
Instruments Directive		Sociedad de Valores,		
Markets in Financial	567787	Doric Partners LLP		30
Instruments Directive	507787			30
Markets in Financial	568221	Granville Bates LLP		1
Instruments Directive	506221			I
Markets in Financial	568323	Nolus1 Singer Advisory	I	50
Instruments Directive	000323	Nplus1 Singer Advisory		50
Markets in Financial	568328	Global Preservation		30
Instruments Directive	506526	Strategies Ltd		30
Markets in Financial	568771	CB Richard Ellis Real	1	
Instruments Directive	506771	Estate Finance B.V.	'	
Markets in Financial	569008			10
	204008	EQT Credit Investment		10
Instruments Directive	F(0070	Advisors LLP		20
Markets in Financial	569070	Cesco Investments Ltd		30
Instruments Directive				

Markets in Financial	569228	Omers Private Equity		29
Instruments Directive	307220	Europe Limited		27
Markets in Financial	569242	Reliantco Investments	1	
Instruments Directive	509242	Ltd	1	
Markets in Financial	569256	Avus Capital Limited	1	
Instruments Directive	307230	Avus Capital Linited	1	
Markets in Financial	E40027	IDC Conital	1	
Instruments Directive	569827	JRC Capital	I	
Instruments Directive		Management		
		Consultancy & Research GmbH		
Markets in Financial	569828	Fil (Luxembourg) SA	1	
Instruments Directive	509626	Fil (Luxembourg) SA	1	
Markets in Financial	569877	RMCAS Ltd		30
Instruments Directive	509677	RIVICAS LIU		30
Markets in Financial	570094	GI Partners UK Limited		21
	570094	GI Partners UK Limited		31
Instruments Directive Markets in Financial	570540	Fototor Advisory (LLD		20
	570540	Estater Advisory LLP		30
Instruments Directive	570/5/			0.1
Markets in Financial	570656	Trad-X (UK) Limited		31
Instruments Directive	570//7		1	
Markets in Financial	570667	Hollingsworth	1	
Instruments Directive		International Financial		
		Services Ltd		
Markets in Financial	570700	Clipperton Finance		30
Instruments Directive		Limited		
Markets in Financial	570728	Consero Capital LLP		30
Instruments Directive				
Markets in Financial	570738	Acon Actienbank AG	1	
Instruments Directive				
Markets in Financial	570925	Industrial and	1	
Instruments Directive		Commercial Bank of		
		China (Europe) SA		
Markets in Financial	570942	Bolt Markets Limited		30
Instruments Directive				
Markets in Financial	570944	Longview Partners LLP		14
Instruments Directive				
Markets in Financial	571351	MCA Intelifunds Ltd	1	
Instruments Directive				
Markets in Financial	571353	NOW: Pensions	1	
Instruments Directive		Investment A/S		
		Fondsmaeglerselskab		
Markets in Financial	571578	Cedarknight Partners		6
Instruments Directive		LLP		
Markets in Financial	571586	KCII UK Limited		2
Instruments Directive				
Markets in Financial	571728	Hawker and Palmer		2
Instruments Directive		Wealth Management		
		Limited		
Markets in Financial	571776	Fondsmaeglerselskabet	1	
Instruments Directive		Maj Invest A/S		
Markets in Financial	571881	GCM Prime Ltd		30
Instruments Directive				
Markets in Financial	571889	GMT Capital Research		30
Instruments Directive	·	LLP		
Markets in Financial	571924	Impact Investment		10
Instruments Directive		Partners LLP		

Markets in Financial	571973	Atlas Stratogia Advisors		14
Instruments Directive	5/19/3	Atlas Strategic Advisors		14
Markets in Financial	571976	Trillium Partners		29
Instruments Directive	571970	Limited		29
Markets in Financial	572039	Katmai Capital Advisors		28
Instruments Directive	572037	Ltd		20
Markets in Financial	572048	Torreya Partners		15
Instruments Directive	572040	(Europe) LLP		15
Markets in Financial	572096	Bentley Reid & Co (UK)		3
Instruments Directive	572090	Limited		J
Markets in Financial	572243	QIC European		10
Instruments Directive	572245	Investment Services		10
instruments Directive		Limited		
Markets in Financial	572389	AlterNet (UK) Limited		30
Instruments Directive	572507	AlterNet (UK) Elilited		50
Markets in Financial	572395	Oasis Crescent Advisory		30
Instruments Directive	572575	Services (UK) Limited		50
Instruments Directive		Services (OK) Entitled		
Markets in Financial	572577	GrowthPoint		13
Instruments Directive	0,20,1	Technology Partners UK		
		Limited		
Markets in Financial	572602	Loppex Limited		30
Instruments Directive	072002			00
Markets in Financial	572627	Getamax Limited		8
Instruments Directive	0, 2021			
Markets in Financial	572911	Linear Markets Limited		28
Instruments Directive				
Markets in Financial	572927	Carle & Co Limited		17
Instruments Directive				
Markets in Financial	573464	Tradenext Limited		31
Instruments Directive				-
Markets in Financial	574048	Resolution Compliance		29
Instruments Directive		Limited		
Markets in Financial	574686	Millcroft Wealth		5
Instruments Directive		Management Limited		
Markets in Financial	574754	Universal Securities		30
Instruments Directive		and Investments Ltd		
Markets in Financial	574874	DRC Capital LLP		30
Instruments Directive				
Markets in Financial	575225	Itau BBA International		30
Instruments Directive		PLC		
Markets in Financial	575376	International Strategy		27
Instruments Directive		& Investment (UK)		
		Limited		
Markets in Financial	575495	Jacobsgaard	1	
Instruments Directive		Investment Advisory		
		ApS		
Markets in Financial	575498	Hyperion Wealth	1	
Instruments Directive		Management Limited		
Markets in Financial	575500	Byron Capital Partners	1	
Instruments Directive		Ltd		
Markets in Financial	575507	SFG Partners LLP		30
Instruments Directive				
Markets in Financial	575672	Dukascopy Europe IBS	1	
Instruments Directive		AS		

Markets in Financial	575734	K C Partners IIp		30
Instruments Directive	575734	K C Partners lip		30
Markets in Financial	575843	Julius Baer Investment	1	
Instruments Directive	575645	Services Sarl		
Markets in Financial	576387	Banque Havilland	1	
Instruments Directive	570307	(Liechtenstein) AG		
Markets in Financial	576782	Parapet Capital		30
Instruments Directive	570782	Advisors LLP		30
Markets in Financial	576850	Squared Financial	1	
Instruments Directive	570030	Services Limited	I	
Markets in Financial	577055	Pimco Deutschland	1	
Instruments Directive	577033	GmbH	I	
Markets in Financial	577414	Greifzu Continental		6
Instruments Directive	377414	Corporation Limited		0
Markets in Financial	577453	ADS SECURITIES		29
Instruments Directive	577455	LONDON LIMITED		27
Markets in Financial	577483	Seabury Securities (UK)		29
Instruments Directive	077100	Limited		2,
Markets in Financial	577541	A.T.I. Associates	1	
Instruments Directive	5,, 5, 1	(Cyprus) Ltd	·	
Markets in Financial	577971	Poten Capital Services		30
Instruments Directive		(UK) Ltd		
Markets in Financial	578074	Edmond de Rothschild		14
Instruments Directive		Asset Management		
		(UK) Limited		
Markets in Financial	578464	JRS Securities AB	1	
Instruments Directive				
Markets in Financial	578475	Qino Management &	1	
Instruments Directive		Advisory Limited		
Markets in Financial	578476	Atlantide Asset		3
Instruments Directive		Management Limited		
Markets in Financial	578631	Elgar Byrne		2
Instruments Directive		Infrastructure Finance		
		LLP		
Markets in Financial	578645	Dashwood Asset		30
Instruments Directive		Management Limited		
Markets in Financial	579169	Morgan Capital		30
Instruments Directive		Advisors LLP		
Markets in Financial	579202	FXOpen Ltd		60
Instruments Directive				
Markets in Financial	579244	Atlanticomnium (UK)		29
Instruments Directive		Limited		
Markets in Financial	579394	Mummert & Company		29
Instruments Directive		Limited		
Markets in Financial	579491	TOPFX Ltd	1	
Instruments Directive				
Markets in Financial	579830	HQ Trust GmbH	1	
Instruments Directive				
Markets in Financial	579920	Noble Marketing &		30
Instruments Directive		Trading Limited		
Markets in Financial	579967	42 Financial Services	1	
Instruments Directive		a.s		
Markets in Financial	579994	Leverate Financial	1	
Instruments Directive		Services Ltd		
Markets in Financial	580005	Ceres Partners Limited		30
Instruments Directive				

Markets in Financial	580056	Abans Global Limited		4
Instruments Directive	580056	Abans Global Limited		6
Markets in Financial	580193	JFD Brokers Ltd	1	
Instruments Directive	500175	SI D DIORCI'S EIG	1	
Markets in Financial	580200	BNY Mellon Capital		30
Instruments Directive	300200	Markets EMEA Limited		50
Markets in Financial	580379	BancTrust Securities		29
Instruments Directive	500379	(Europe) Limited		27
Markets in Financial	580479	UAB FMI "MRC	1	
Instruments Directive	300479	Markets'	I	
Markets in Financial	580531	Smith & Williamson		32
Instruments Directive	500551	Investment		52
		Management LLP		
Markets in Financial	580649	BCB & Partners S.A	1	
Instruments Directive	560049	BCB & Faithers S.A	1	
Markets in Financial	580831	7Q Financial Services	1	
Instruments Directive	560651		1	
Markets in Financial	580870	Ltd Sodorborg & Dortporg	1	
Instruments Directive	580870	Soderberg & Partners	I	
Instruments Directive		Placeringsradgivning		
Markets in Financial	581129	AB Abaco Asset		31
	581129			31
Instruments Directive Markets in Financial	581134	Management LLP Marten & Co Limited		20
	581134	Marten & Co Limited		30
Instruments Directive	5011/4	Charles Death and		1
Markets in Financial	581164	Strauss Partners		I
Instruments Directive	501007	Limited		
Markets in Financial	581237	Griffin Markets Limited		29
Instruments Directive	504044		1	
Markets in Financial	581244	SA&PM (Cyprus)	1	
Instruments Directive	504054	Limited		
Markets in Financial	581251	Fidem Partners Limited		28
Instruments Directive	50400/	T I D I		
Markets in Financial	581326	Thompson Prior		1
Instruments Directive	501071	Financial Services Ltd		15
Markets in Financial	581374	Imperial Capital		15
Instruments Directive		(International) LLP		
Markets in Financial	581612	Millburn International		16
Instruments Directive		(Europe) LLP		
Markets in Financial	581641	Streamline Capital		1
Instruments Directive		Management Limited		
Markets in Financial	581650	Monument Group		30
Instruments Directive		Europe LLP		
Markets in Financial	582160	Kession Capital Limited		30
Instruments Directive				
Markets in Financial	582490	Parkview Advisors LLP		6
Instruments Directive				
Markets in Financial	582544	Natrium Capital Limited		2
Instruments Directive				
Markets in Financial	582571	Quoniam Asset	2	
Instruments Directive		Management GmbH		
Markets in Financial	582579	Dragon Capital	1	
Instruments Directive		(Cyprus) Limited		
Markets in Financial	582587	PORTIA INVESTMENT		5
Instruments Directive		ADVISORS LTD		
Markets in Financial	582615	Gemini Capital Partners		3
Instruments Directive		LLP		

Markets in Financial	582667	Ginward Limited		29
Instruments Directive	362007	Giriward Linnited		29
Markets in Financial	582691	Triple A Experts SA	1	
Instruments Directive	502071	The A Experts SA	'	
Markets in Financial	582918	Íslandsbanki hf	1	
	302910	ISIAIIUSDAIIKI III	'	
Instruments Directive	F02017	Colicitor Managament	1	
Markets in Financial	583017	Felicitas Management	1	
Instruments Directive		Investment Services		
Manhata in Financial	5000/4	Ltd		1
Markets in Financial	583064	Eaglestone Advisory		I
Instruments Directive	500074	Limited		
Markets in Financial	583071	Blue Cedar Capital		1
Instruments Directive	500110	Limited		
Markets in Financial	583119	African Alpha		28
Instruments Directive		Investment Partners		
		Limited		
Markets in Financial	583141	Salix Capital (UK)		29
Instruments Directive		Limited		
Markets in Financial	583142	Smythe House Limited		30
Instruments Directive				
Markets in Financial	583161	T Plus hf	1	
Instruments Directive				
Markets in Financial	583177	Fintailor Investment Ltd	1	
Instruments Directive				
Markets in Financial	583236	Conv-Ex Advisors		31
Instruments Directive		Limited		
Markets in Financial	583257	TA Associates (UK), LLP		30
Instruments Directive				
Markets in Financial	583263	eToro (UK) Ltd		30
Instruments Directive				
Markets in Financial	583268	Astir Capital Advisors		29
Instruments Directive		Limited		
Markets in Financial	583272	Global Counsel		28
Instruments Directive		Advisory Limited		
Markets in Financial	583315	Ice Dragons Limited		31
Instruments Directive				
Markets in Financial	583319	Trademarker (Cyprus)	1	
Instruments Directive		Ltd		
Markets in Financial	583325	Technology Crossover		30
Instruments Directive		Ventures UK, LLP		
Markets in Financial	583334	Colliers Capital		29
Instruments Directive		Holdings Limited		
Markets in Financial	583354	London Wall Partners		5
Instruments Directive		LLP		-
Markets in Financial	583383	Highland Europe (UK)		22
Instruments Directive		LLP		
Markets in Financial	583398	AGM Markets Ltd	1	
Instruments Directive				
Markets in Financial	583402	Amana Capital Ltd	1	
Instruments Directive				
Markets in Financial	583610	Samarang LLP		30
Instruments Directive				00
Markets in Financial	584025	Northill Capital LLP		25
Instruments Directive	001020			20
Markets in Financial	584138	ARIAD Asset	1	
Instruments Directive	504130	Management GmbH	'	

Markets in Financial	584142	Raw Materials Broker	1	
Instruments Directive	304142	GmbH		
Markets in Financial	584166	Solium Capital UK		29
Instruments Directive	001100	Limited		- /
Markets in Financial	584236	Palico SAS	1	
Instruments Directive	001200			
Markets in Financial	584380	Anoa Capital S.A.	2	
Instruments Directive	001000		-	
Markets in Financial	584485	Helford Capital Partners		2
Instruments Directive		LLP		_
Markets in Financial	584492	Interc Consultancy		30
Instruments Directive		Partners UK Ltd		
Markets in Financial	584522	Indication Investments	1	
Instruments Directive		Ltd		
Markets in Financial	584531	New York Investments	1	
Instruments Directive		International Limited		
Markets in Financial	584538	WorldWideMarkets N.V.	1	
Instruments Directive				
Markets in Financial	584601	Cyrte Investments B.V.	1	
Instruments Directive		5		
Markets in Financial	584692	Summa Capital Ltd	1	
Instruments Directive				
Markets in Financial	584695	IFCM CYPRUS LIMITED	1	
Instruments Directive				
Markets in Financial	584758	x-ray Equity Consult	1	
Instruments Directive		GmbH		
Markets in Financial	584760	youmex Invest AG	1	
Instruments Directive				
Markets in Financial	584762	Omega Funds	1	
Instruments Directive		Investment Ltd		
Markets in Financial	584769	Nexus Independent		2
Instruments Directive		Financial Advisers		
		Limited		
Markets in Financial	585303	JB Drax Honore (UK)		28
Instruments Directive		Limited		
Markets in Financial	585547	LGT Vestra US Limited		29
Instruments Directive				
Markets in Financial	585561	8SAFE UK LIMITED		31
Instruments Directive				
Markets in Financial	585568	EFG Bank	1	
Instruments Directive		(Luxembourg) S.A.		
Markets in Financial	585606	Nuveen Global		12
Instruments Directive		Investments Limited		
Markets in Financial	585655	John Moore & Company		49
Instruments Directive		Limited		
Markets in Financial	586058	Sal. Oppenheim jr. &	1	
Instruments Directive		Cie Luxembourg SA		
Markets in Financial	586142	IO Capital Limited		30
Instruments Directive	FO () = -			
Markets in Financial	586157	Ancora Finance LLP		29
Instruments Directive	FO (175			
Markets in Financial	586172	Solventis AV SA	1	
Instruments Directive	F0(477	Dhu Assart Maria		
Markets in Financial	586177	Blu Asset Management	1	
Instruments Directive		BV		

Markets in Financial	586302	Atlantic House Fund		1
Instruments Directive	500302	Management LLP		1
Markets in Financial	586393	Bulger Partners LLP		30
Instruments Directive	500575	burger i ar thers EEr		50
Markets in Financial	586420	Exotix Partners LLP		31
Instruments Directive	300420			51
Markets in Financial	586449	Shenkman Capital		19
Instruments Directive	500449	Management Ltd		17
Markets in Financial	586463	BCS Prime Brokerage		31
Instruments Directive	500405	Ltd		51
Markets in Financial	586466	Tradeslide Trading Tech		32
Instruments Directive	560400	Limited		52
Markets in Financial	586468	Andurand Capital		29
Instruments Directive	300400	Management LLP		21
Markets in Financial	586508	id3 Capital Partners LLP		14
Instruments Directive	300300			14
Markets in Financial	586541	Valutrades Limited		31
Instruments Directive	300341	Valutiades Elimited		51
Markets in Financial	586570	Triton Investments		29
Instruments Directive	300370	Advisers LLP		27
Markets in Financial	586743	Cluny Capital Limited		29
Instruments Directive	500745	olding ouplical Entitled		27
Markets in Financial	586781	Deutsche Bank	1	
Instruments Directive	300701	Osterreich AG	I	
Markets in Financial	586887	Lux Nordic Wealth	1	
Instruments Directive	300007	Management S.A.	, i	
Markets in Financial	587055	Hidden Pearl Invest	1	
Instruments Directive	307033	GmbH	, i	
Markets in Financial	587056	Virtu Financial Ireland	1	
Instruments Directive	007000	Limited		
Markets in Financial	587064	Pekao Investment	1	
Instruments Directive	007001	Banking Spółka		
		Akcyjna		
Markets in Financial	587084	MET Facilities LLP		29
Instruments Directive				
Markets in Financial	587094	Annandale Financial		30
Instruments Directive		Services LLP		
Markets in Financial	587334	NEF Kapitalforvaltning	1	
Instruments Directive		AS		
Markets in Financial	587336	Teletrade-DJ	1	
Instruments Directive		International		
		Consulting Ltd		
Markets in Financial	587454	LCM Commodities UK		29
Instruments Directive		LLP		
Markets in Financial	587457	Edmond de Rothschild		29
Instruments Directive		Private Merchant		
		Banking LLP		
Markets in Financial	587492	Spire Partners LLP		16
Instruments Directive				
Markets in Financial	587615	Enclude Capital		30
Instruments Directive		Advisory UK Limited		-
Markets in Financial	587619	Clarion Partners Europe		29
Instruments Directive		Ltd		
Markets in Financial	587682	Ion Asset Architecture		3
Instruments Directive		UK Limited		-

Markets in Financial	587699	Broadstone Corporate		6
Instruments Directive	307077	Benefits Limited		0
Markets in Financial	587782	Geneve Invest (Europe	1	
Instruments Directive	307702) S.A	1	
Markets in Financial	587794	Attivo Investment		2
Instruments Directive	567794	Management Limited		2
Markets in Financial	587831	Ethos Capital Advisors		5
Instruments Directive	567651	Ltd		5
Markets in Financial	588178			29
	588178	Smart Global Trading		29
Instruments Directive	500004	Consulting Limited		21
Markets in Financial	588234	Hudson River Trading		21
Instruments Directive	500004	Europe Ltd		0.1
Markets in Financial	588304	Ovington Financial		31
Instruments Directive		Partners Limited		
Markets in Financial	588344	J Stern & Co. LLP		29
Instruments Directive				
Markets in Financial	588345	Principal	1	
Instruments Directive		Vermogensverwaltung		
		AG		
Markets in Financial	588353	Financial Partners FP	1	
Instruments Directive		Ltd		
Markets in Financial	588466	Sorbus Partners LLP		29
Instruments Directive				
Markets in Financial	588604	Park Vale Capital		30
Instruments Directive		Limited		
Markets in Financial	588611	The Trinity Column		4
Instruments Directive	000011	Partners LLP		
Markets in Financial	588711	Plasma Enterprises	1	
Instruments Directive	300711	Limited	•	
Markets in Financial	588831	NASDAQ NLX Limited		30
Instruments Directive	500051	NASDAQ NEX Elimited		50
Markets in Financial	589032	SB Corporate Finance		30
Instruments Directive	507052	Partners Limited		50
Markets in Financial	589092	Palomar Capital		29
	589092			29
Instruments Directive	500140	Management LLP	1	
Markets in Financial	589149	Indication Investments	I	
Instruments Directive	500004	Ltd		
Markets in Financial	589324	Hutchin Hill UK LLP		4
Instruments Directive				
Markets in Financial	589327	Axis Capital Markets		31
Instruments Directive		Limited		
Markets in Financial	589487	Astorg Partners SAS	1	
Instruments Directive				
Markets in Financial	589503	Carl Kliem S.A	1	
Instruments Directive				
Markets in Financial	589897	KAB Strategy (Cyprus)	1	
Instruments Directive		Limited		
Markets in Financial	589898	M&L Invest Union	1	
Instruments Directive		Markets Limited		
Markets in Financial	590004	CommexFX Ltd -	2	
Instruments Directive		Regulator from Cyprus		
		suspended the firm's		
		inward service passport		
		to the UK on 12 June		
		2015		
		2013		

Markets in Financial	590006	Strato Markets B.V.	1	
Instruments Directive	590000		1	
Markets in Financial	590037	Prorealtime	1	
Instruments Directive	570037	FIOLEartime	· · · ·	
Markets in Financial	590144	Moss And Roberts		12
Instruments Directive	370144	(Wealth Management)		12
		Ltd		
Markets in Financial	590179	D. E. Shaw & Co.		6
Instruments Directive	570177	(London) LLP		0
Markets in Financial	590194	The Smithfield Group		3
Instruments Directive	570174	LLP		5
Markets in Financial	590256	Bank Julius Bar Europe	1	
Instruments Directive	570250	AG		
Markets in Financial	590299	Atom8 Financial		32
Instruments Directive	570277	Services LLP		52
Markets in Financial	590313	Blackwell Global	1	
Instruments Directive	590313	Investments (Cyprus)	1	
Instruments Directive		Limited		
Markets in Financial	590519	Marl Partners LLP		31
Instruments Directive	590519			31
Markets in Financial	590782	Kapsecure Limited		29
Instruments Directive	590782	Rapsecure Limited		29
Markets in Financial	590788	Ohman Bank S.A.	1	
	590788	Unman Bank S.A.	1	
Instruments Directive Markets in Financial	E00900	Abshire-Smith Global		20
	590890	Ltd		30
Instruments Directive Markets in Financial	590902		1	
Instruments Directive	590902	Assenagon Client Service GmbH	1	
Markets in Financial	591067	IWC Investment	1	
Instruments Directive	591067		1	
Instruments Directive		Partners		
		Fondsmaeglerselskab		
Markets in Financial	591218	A/S Evolution Wealth		32
Instruments Directive	591210	Network Ltd		52
Markets in Financial	591361	ATC Brokers Limited		21
	591301	ATC BIOKEIS LITITED		31
Instruments Directive Markets in Financial	591368	LSEA LLP		24
	591308	LSEA LLP		24
Instruments Directive Markets in Financial	591497	Prorealtime	1	
Instruments Directive	591497	Proreattime	1	
Markets in Financial	591741	Accola Capital LLD		29
Instruments Directive	591741	Accola Capital LLP		29
Markets in Financial	591755	Apeiron Securities and		29
Instruments Directive	591755	Investments LLP		29
Markets in Financial	591876	Sonaf Business Ltd	1	
	591870	Sonal Business Ltu		
Instruments Directive	F01002	Climate Mundiel		1
Markets in Financial	591903	Climate Mundial		I
Instruments Directive	E01004	Limited	1	
Markets in Financial	591924	Quilvest Banque Privee		
Instruments Directive	E0205/	Elton Conital Advisors	<u> </u>	20
Markets in Financial	592056	Elton Capital Advisors		30
Instruments Directive	F00077	Limited		-
Markets in Financial	592077	Stonehedge Partners		7
Instruments Directive	500055	LLP		
Markets in Financial	592250	Alinda Capital Partners		30
Instruments Directive		LLP		

Markets in Financial	592260	VFX Financial PLC		31
Instruments Directive				
Markets in Financial	592308	Fondsmaeglerselskabet	1	
Instruments Directive		StockRate Asset		
		Management A/S		
Markets in Financial	592324	SCB & Associates		9
Instruments Directive		Limited		
Markets in Financial	592403	Natixis Pfandbriefbank	1	
Instruments Directive		AG		
Markets in Financial	592409	Scott Investment		1
Instruments Directive		Partners LLP		
Markets in Financial	592453	Visium Asset UK LLP		13
Instruments Directive				
Markets in Financial	592487	Swissquote Europe Ltd	1	
Instruments Directive				
Markets in Financial	592756	HC Wealth		9
Instruments Directive		Management Limited		
Markets in Financial	592778	Aetos Capital Group		29
Instruments Directive		(UK) Limited		
Markets in Financial	592798	Hermes Growth		31
Instruments Directive		Partners Limited		
Markets in Financial	592893	Capital Markets, o.c.p,	1	
Instruments Directive		a.s.,		
Markets in Financial	592953	Springwood Capital		31
Instruments Directive		(UK) Ltd		
Markets in Financial	592969	KKR Credit Advisors		31
Instruments Directive		(EMEA) LLP		
Markets in Financial	593150	Inverseguros Sociedad	1	
Instruments Directive		De Valores SA		
Markets in Financial	593155	Hogg Capital	1	
Instruments Directive		Investments Limited		
Markets in Financial	593180	Kohlberg Kravis		31
Instruments Directive		Roberts & Co. Partners		
		LLP		
Markets in Financial	593439	Protean Capital LLP		19
Instruments Directive				
Markets in Financial	593528	Depaho Ltd	1	
Instruments Directive				
Markets in Financial	593531	The Alliance	1	
Instruments Directive		Partnership		
	500554	Netherlands B V		
Markets in Financial	593551	FLOREAT MERCHANT		29
Instruments Directive	500740	BANKING LIMITED		
Markets in Financial	593749	Riverside Europe		1
Instruments Directive	500750	Partners LLP		
Markets in Financial	593758	Broad Securities LLP		21
Instruments Directive	50000			
Markets in Financial	593983	DMA Direct Aktiebolag	1	
Instruments Directive	F04005			
Markets in Financial	594005	FXNet Ltd	1	
Instruments Directive	F04455			
Markets in Financial	594155	Thomas Miller Wealth		6
Instruments Directive		Management Limited		
Markets in Financial	594375	Lionsman Capital	1	
Instruments Directive		Markets (Cyprus) Ltd		

Markets in Financial	594723	Colville Capital Partners		2
Instruments Directive	394723	Ltd		Z
Markets in Financial	594761	EXOE	1	
Instruments Directive	374701	EXOL	I I	
Markets in Financial	594800	Spotoption Exchange	1	
Instruments Directive	374000	Limited		
Markets in Financial	595018	Code Advisors Limited		30
Instruments Directive	375010	Code Advisors Einited		50
Markets in Financial	595150	Positiva AD	1	
Instruments Directive	373130		I	
Markets in Financial	595195	NSFX Limited	1	
Instruments Directive	575175	NSI X Elifited	I I	
Markets in Financial	595239	CPH Capital	1	
Instruments Directive	373237	Fondsmaeglerselskab	I	
Instruments Directive		A/S		
Markets in Financial	595244	Gibraltar Asset	1	
Instruments Directive	373244	Management Limited	1	
Markets in Financial	595249	DUB Investments Ltd	1	
Instruments Directive	575247	DOD Investments Etd	1	
Markets in Financial	595336	NKB Investments Ltd	1	
Instruments Directive	0,0000			
Markets in Financial	595450	Admiral Markets UK Ltd		42
Instruments Directive	0,0,00			.=
Markets in Financial	595455	DeGiro BV	1	
Instruments Directive	0,0100			
Markets in Financial	595504	Profin Partners Limited		7
Instruments Directive				
Markets in Financial	595691	Coronation Capital	1	
Instruments Directive		Limited		
Markets in Financial	595713	UK Clearing House		31
Instruments Directive		Limited		
Markets in Financial	595785	Aquis Exchange Limited		14
Instruments Directive				
Markets in Financial	595844	City of London Markets		31
Instruments Directive		Limited		
Markets in Financial	595861	WG Partners LLP		31
Instruments Directive				
Markets in Financial	595862	Carrington Wealth		4
Instruments Directive		Management LLP		
Markets in Financial	595869	Vendome Asset		4
Instruments Directive		Management Limited		
Markets in Financial	595875	Global Custodial		29
Instruments Directive		Services Ltd		
Markets in Financial	596076	Burren Capital Advisors	1	
Instruments Directive		Limited		
Markets in Financial	596101	Pedro Arroja - Gestao	1	
Instruments Directive		de Patrimonios S A		
Markets in Financial	596375	Banc De Binary Limited	1	
Instruments Directive				
Markets in Financial	596483	Zelof & Partners LLP		14
Instruments Directive				
Markets in Financial	596676	Stafford Private Equity		25
Instruments Directive		Limited		
Markets in Financial	596682	Cambridge Mercantile		31
Instruments Directive		Risk Management (UK)		
		Ltd		

Markets in Financial	596691	Northorn Eidos Capital		32
Instruments Directive	590091	Northern Fides Capital Partners LLP		32
Markets in Financial	596952			18
Instruments Directive	596952	Fenchurch Advisory Partners LLP		18
Markets in Financial	597017	Charter Wealth		30
Instruments Directive	597017			30
	597071	Management Limited	1	
Markets in Financial	597071	Julius Baer Investment	I	
Instruments Directive Markets in Financial	597194	Advisory GesmBH		20
Instruments Directive	597194	Andurance Ventures		29
Markets in Financial	597312	InterTrader Limited	1	
	59/312	Intertrader Limited	1	
Instruments Directive	507212	Talar Assat	1	
Markets in Financial	597313	Taler Asset	I	
Instruments Directive		Management		
		(Gibraltar) Limited		
Markets in Financial	597457	ACATIS Investment	1	
Instruments Directive	507(10	GmbH		
Markets in Financial	597642	Piquant Technologies		1
Instruments Directive	F07 0//	LLP		
Markets in Financial	597866	RBC Investor Services	1	
Instruments Directive		Bank SA		
Markets in Financial	597896	Lombard Odier	1	
Instruments Directive		(Europe) S.A.		
Markets in Financial	597968	Fuchs & Associes	1	
Instruments Directive		Finance S.A.		
Markets in Financial	598082	Arrowbridge Capital		29
Instruments Directive		Limited		
Markets in Financial	598169	Reyl & Co (UK) LLP		4
Instruments Directive				
Markets in Financial	598275	Conexim Advisors	1	
Instruments Directive		Limited		
Markets in Financial	598722	Honestas	1	
Instruments Directive		Finazmanagement		
		GmbH		
Markets in Financial	598751	IIG Financial Services	1	
Instruments Directive		Limited		
Markets in Financial	598900	Amundi Finance	1	
Instruments Directive				
Markets in Financial	599160	Lawsons Equity Limited	1	
Instruments Directive				
Markets in Financial	599210	Mariner Investment		30
Instruments Directive		(Europe) LLP		
Markets in Financial	599220	Option Solutions LLP		1
Instruments Directive				
Markets in Financial	599233	Anca Capital Partners		5
Instruments Directive		Ltd		
Markets in Financial	599236	Amstel Securities LLP		35
Instruments Directive				
Markets in Financial	599238	Hadrian's Wall Capital		28
Instruments Directive		Limited		
Markets in Financial	599239	One Peak Partners LLP		11
Instruments Directive				
Markets in Financial	599241	CFE (UK) Ltd		60
Instruments Directive				
Markets in Financial	599250	Alvarez & Marsal FS	1	30

Markets in Financial	599274	Khalij Islamic (UK)		Λ
Instruments Directive	577274	Limited		-
Markets in Financial	599294	XHE Capital LLP		31
Instruments Directive	577274			51
Markets in Financial	599352	RMG Holding Limited	1	
Instruments Directive	077002			
Markets in Financial	599417	Whitehelm Capital Ltd		31
Instruments Directive	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			01
Markets in Financial	599843	Beacon Hill Consultancy	1	
Instruments Directive	077010	Limited		
Markets in Financial	599885	Sensus Capital Markets	1	
Instruments Directive		Limited		
Markets in Financial	599910	Oslo Bors ASA	2	
Instruments Directive	0,,,,,0		_	
Markets in Financial	600137	Brandes Investment	1	
Instruments Directive		Partners (Europe)		
		Limited		
Markets in Financial	600163	Magna Wealth		29
Instruments Directive		Management Limited		
Markets in Financial	600299	Lago Kapital Ltd	1	
Instruments Directive				
Markets in Financial	600333	Falcon Asset	1	
Instruments Directive		Management GmbH		
Markets in Financial	600385	Columbus Frontiers LLP		30
Instruments Directive				
Markets in Financial	600410	Lexington Partners UK		19
Instruments Directive		LLP		
Markets in Financial	600473	HF Markets (Europe)	1	
Instruments Directive		Ltd		
Markets in Financial	600475	Forextime Ltd	1	
Instruments Directive				
Markets in Financial	600558	Kernel Management	1	
Instruments Directive		Partners Limited		
Markets in Financial	600599	Elementary Financial		29
Instruments Directive		Ltd		
Markets in Financial	600831	Domius Capital		31
Instruments Directive		Advisors LLP		
Markets in Financial	600837	Stater Global Markets		31
Instruments Directive		Limited		
Markets in Financial	600936	80Plus Partners LLP		1
Instruments Directive				
Markets in Financial	600992	Capella Financial	1	
Instruments Directive		Services		
Markets in Financial	601013	GULF CENTRAL		31
Instruments Directive		MERCHANT BANK LTD		
Markets in Financial	601030	Enpi LLP		13
Instruments Directive				
Markets in Financial	601264	STX Fixed Income B.V.	1	
Instruments Directive				
Markets in Financial	601267	Brokersclub Limited	1	
Instruments Directive				
Markets in Financial	601268	WRM Capinvest Ltd		31
Instruments Directive				
Markets in Financial	601367	Claris Limited	1	_
Instruments Directive				

Markets in Financial	601543	Aleph Capital Partners		31
Instruments Directive	001010	LLP		01
Markets in Financial	601856	Prius Partners LLP		31
Instruments Directive				0.
Markets in Financial	602091	Virtue Capital Partners		30
Instruments Directive		Ltd		
Markets in Financial	602092	Insight Investment		11
Instruments Directive	001071	Research LLP		
Markets in Financial	602209	Capita International	1	
Instruments Directive		Financial Services		
		(Ireland) Limited		
Markets in Financial	602235	European American	1	
Instruments Directive		Investment Bank AG		
Markets in Financial	602244	Dom Maklerski TMS	1	
Instruments Directive		Brokers SA		
Markets in Financial	602293	Funding-Tree (UK)		31
Instruments Directive		Limited		
Markets in Financial	602403	U.P.M Limited	1	
Instruments Directive				
Markets in Financial	602404	X Global Markets Ltd	1	
Instruments Directive				
Markets in Financial	602405	Nexo Capital	1	
Instruments Directive				
Markets in Financial	602410	Paladin Securities	1	
Instruments Directive		Limited		
Markets in Financial	602449	AQX Securities GmbH	2	
Instruments Directive				
Markets in Financial	602505	Juno Finance UK		6
Instruments Directive		Limited		
Markets in Financial	602588	CFI Markets Ltd.	1	
Instruments Directive				
Markets in Financial	602589	T&E Effecten BV	1	
Instruments Directive				
Markets in Financial	602591	Consulco Capital Ltd	1	
Instruments Directive				
Markets in Financial	602694	Aquila Capital Concepts	1	
Instruments Directive		GmbH		
Markets in Financial	602743	M&M Capital Limited		3
Instruments Directive				
Markets in Financial	602793	ABLV Bank Luxembourg	1	
Instruments Directive		S.A.		
Markets in Financial	602855	CRE8 Partners Limited		29
Instruments Directive	(000.10			
Markets in Financial	602943	Aquantum AG	1	
Instruments Directive				
Markets in Financial	603072	London International		29
Instruments Directive		Corporation Limited		
Markets in Financial	603186	LQD Markets (UK)		30
Instruments Directive	(00000	Limited		-
Markets in Financial	603332	Share In Ltd		6
Instruments Directive	(00==1			
Markets in Financial	603570	Alphadyne Asset		31
Instruments Directive		Management (UK) LLP		-
Markets in Financial	603601	Armila Capital Limited		9
Instruments Directive				

Markata in Financial	(02/22		4	
Markets in Financial	603633	Oaklet S.A.	1	
Instruments Directive	(02/24	Oursehange Daniustiuse	1	
Markets in Financial	603634	Ouroboros Derivatives	1	
Instruments Directive	(0205(Trading Ltd	1	
Markets in Financial	603856	Oktavest GmbH	1	
Instruments Directive				
Markets in Financial	603858	Endurance Global		31
Instruments Directive		Weather Risk Advisors		
		Limited		
Markets in Financial	603878	Kartesia Advisor LLP		3
Instruments Directive				
Markets in Financial	603935	Greensledge Capital		19
Instruments Directive		Markets Europe LLP		
Markets in Financial	604090	Fair Oaks Capital Ltd		30
Instruments Directive				
Markets in Financial	604289	Davy Fund Managers	1	
Instruments Directive				
Markets in Financial	604297	Key Capital Private	1	
Instruments Directive		Limited		
Markets in Financial	604310	Echo Capital UK Ltd		31
Instruments Directive				-
Markets in Financial	604431	Angels Den Funding		6
Instruments Directive	001101	Limited		0
Markets in Financial	604439	Enterprise Investment		7
Instruments Directive	004437	Partners LLP		,
Markets in Financial	604505	Societatea De Servicii	1	
Instruments Directive	004303	De Investitii Financiare	1	
Instruments Directive		Romintrade S.A.		
Markata in Financial	404E1E			20
Markets in Financial	604515	Horizon Stockbroking		29
Instruments Directive	(045(0	Limited		0.1
Markets in Financial	604563	Independent Risk		31
Instruments Directive		Management Solution Limited		
Markets in Financial	604661	XY ERS UK Ltd		7
Instruments Directive				
Markets in Financial	604779	WorldWideMarkets		31
Instruments Directive		Online Trading Limited		
Markets in Financial	604990	Fundquest Advisor	2	
Instruments Directive				
Markets in Financial	605023	Numisma Capital Ltd	1	
Instruments Directive				
Markets in Financial	605024	Ronin Europe Limited	1	
Instruments Directive				
Markets in Financial	605030	Trading Systems	1	
Instruments Directive	20000	Portfolio Management	·	
		AG		
Markets in Financial	605116	Arche Wealth	1	
Instruments Directive		Management S.A.	'	
Markets in Financial	605310	Varengold Bank AG	1	
Instruments Directive	000010		'	
Markets in Financial	605507	ECE Eox Corporate	1	
	005507	FCF Fox Corporate	1	
Instruments Directive	(05500	Finance GmbH		
Markets in Financial	605509	Schloter, Reidock &	1	
Instruments Directive		Herntrich GmbH		
Markets in Financial	605564	Equities First (London)		31
Instruments Directive		Limited		

Markets in Financial	605593	The Analyst Research		31
Instruments Directive	005595	LLP		51
Markets in Financial	605598	GPS Capital Markets		5
Instruments Directive	005570	Limited		5
Markets in Financial	605641	RAM Foreign Exchange		4
Instruments Directive	000041	Limited		т
Markets in Financial	605706	Sparkasse Bank Malta	1	
Instruments Directive	003700	plc		
Markets in Financial	605715	Burgoyne Capital Ltd		15
Instruments Directive	000710			10
Markets in Financial	605750	Hannam & Partners		31
Instruments Directive	000700	(Advisory) LLP		01
Markets in Financial	605765	Zark Capital Ltd		28
Instruments Directive	000700			20
Markets in Financial	606110	Citypoint Trading		31
Instruments Directive	000110	Limited		01
Markets in Financial	606298	Kingdom Futures		25
Instruments Directive	000270	Limited		20
Markets in Financial	606311	Centrus Advisors LLP		29
Instruments Directive				- /
Markets in Financial	606434	The Lazarus		4
Instruments Directive		Partnership Ltd		
Markets in Financial	606792	Mirabella Advisers LLP		31
Instruments Directive				
Markets in Financial	606828	Exness (Cy) Ltd	1	
Instruments Directive				
Markets in Financial	606829	Sky Harbor Capital	1	
Instruments Directive		Management GmbH		
Markets in Financial	606830	Alpha Commodities	1	
Instruments Directive				
Markets in Financial	606932	Endeavour Financial		29
Instruments Directive		Limited		
Markets in Financial	607234	Estlander & Partners	1	
Instruments Directive		Ltd		
Markets in Financial	607250	Clarkson Platou Project	1	
Instruments Directive		Sales AS		
Markets in Financial	607267	Maven Derivatives		2
Instruments Directive		Limited		
Markets in Financial	607283	AFWM Limited		2
Instruments Directive				
Markets in Financial	607305	TradeTech Alpha		31
Instruments Directive		Limited		
Markets in Financial	607414	Sparrows Capital		24
Instruments Directive		Limited		
Markets in Financial	607430	Dorinvest S.A.	1	
Instruments Directive				
Markets in Financial	607448	Mosaic Finance	1	
Instruments Directive				
Markets in Financial	607464	Pension Freedom (UK)		1
Instruments Directive		Limited		
Markets in Financial	607480	Campbell O'Connor &	1	
Instruments Directive		Company		
Markets in Financial	607481	Prism Financial		31
Instruments Directive		Products LLP		
Markets in Financial	607483	Redburn (Europe)		16
Instruments Directive		Limited		

Markets in Financial	607589	ATP	1	
Instruments Directive	007007	Fondsmaeglerselskab		
		A/S		
Markets in Financial	607614	APartners Capital		7
Instruments Directive		Limited		
Markets in Financial	607664	Metzler Asset	1	
Instruments Directive		Management GmbH		
Markets in Financial	607671	PP Capital Asset	1	
Instruments Directive		Management		
		Fondsmaeglerselskab		
		A/S		
Markets in Financial	607673	Liquid Capital		1
Instruments Directive		Management LLP		
Markets in Financial	607737	Blackstone / GSO Debt	1	
Instruments Directive		Funds Management		
		Europe Limited		
Markets in Financial	607761	Bdswiss Holding Plc	1	
Instruments Directive		Ŭ		
Markets in Financial	607767	Ash Park Advisors		1
Instruments Directive		Limited		
Markets in Financial	607776	Global Asset Advisors &	1	
Instruments Directive		Management SA		
Markets in Financial	607810	Renta Markets, SV, S.A.	3	
Instruments Directive				
Markets in Financial	607937	Union Bancaire Privee	1	
Instruments Directive		(Europe) S.A.		
Markets in Financial	608095	Do Investment AG	1	
Instruments Directive				
Markets in Financial	608120	Aeonic Securities C.I.F	1	
Instruments Directive		Plc		
Markets in Financial	608318	INFIBA	1	
Instruments Directive		Vermögensverwaltungs		
		AG		
Markets in Financial	608364	Cresco Capital Markets	1	
Instruments Directive		(Malta) Limited		
Markets in Financial	608367	Black Onyx Advisors	1	
Instruments Directive		Eafi, Sociedad Limitada		
Markets in Financial	608400	Gramercy Ltd		30
Instruments Directive				
Markets in Financial	608679	Arcano Valores A.V.	1	
Instruments Directive		S.A.		
Markets in Financial	608683	Capital Strategies	1	
Instruments Directive		Partners, A.V.,		
		Sociedad Anónima		
Markets in Financial	608684	GVC Gaesco Valores,	1	
Instruments Directive		Sociedad De Valores,		
		S.A.		
Markets in Financial	608685	MCH Investment	1	
Instruments Directive		Strategies, Agencia de		
		Valores, S.A.		
Markets in Financial	608687	Seleccion E Inversion	1	
Instruments Directive		De Capital Global,		
		Agencia De Valores,		
		S.A.		

Markets in Financial	608692	Key Capital Partners,	1	
Instruments Directive	000072	Agencia De Valores,		
		S.A.		
Markets in Financial	608955	Alger Management Ltd		30
Instruments Directive	000700			00
Markets in Financial	608962	Roboforex (Cy) Ltd	1	
Instruments Directive	000702			
Markets in Financial	608995	GlobalFX Investment	1	
Instruments Directive		Zartkoruen Mukodo		
		Reszvenytarsasag		
Markets in Financial	609040	Eunoia Advisers Limited		6
Instruments Directive				
Markets in Financial	609108	Qbasis Invest GmbH	1	
Instruments Directive				
Markets in Financial	609142	Banque Hapoalim	1	
Instruments Directive		(Luxembourg) S.A.		
Markets in Financial	609146	Trading 212 UK Limited		11
Instruments Directive		5		
Markets in Financial	609321	BlueTower Associates		16
Instruments Directive		LLP		
Markets in Financial	609499	NAGA MARKETS LTD	1	
Instruments Directive				
Markets in Financial	609824	FORSA Geld- und	1	
Instruments Directive		Kapitalmarkt GmbH		
Markets in Financial	609839	PFX Financial	1	
Instruments Directive		Professionals Ltd (Firm		
		currently under		
		suspension by home		
		state regulator)		
Markets in Financial	609840	SG Euro C.T.	1	
Instruments Directive				
Markets in Financial	609970	Fortrade Limited		31
Instruments Directive				
Markets in Financial	609977	XR Trading Europe LLP		1
Instruments Directive				
Markets in Financial	610006	Clarmond Wealth		31
Instruments Directive		Limited		
Markets in Financial	610021	Rodeler Limited	1	
Instruments Directive				
Markets in Financial	610208	Green Investment		14
Instruments Directive		Group Management		
		Limited		
Markets in Financial	610237	Tanager Wealth		3
Instruments Directive		Management LLP		
Markets in Financial	610277	Robert Bruce Associates		31
Instruments Directive		Limited		
Markets in Financial	610291	PentAlpha Capital Ltd		1
Instruments Directive				
Markets in Financial	610297	Headlands Trading (UK)		1
Instruments Directive		LLP	-	
Markets in Financial	610444	Pictet & Cie (Europe)	2	
Instruments Directive		S.A.		
Markets in Financial	610534	China Merchants		31
Instruments Directive		Securities (UK) Limited		
Markets in Financial	610612	Sarkis Limited		1
Instruments Directive				

Markets in Financial	610674	Tranch Capital Dartnara		31
Instruments Directive	610674	Trench Capital Partners		31
Markets in Financial	610684	Generation Alfa Limited		6
Instruments Directive	010004	Generation Ana Limited		0
Markets in Financial	610729	Arabesque Asset		1
Instruments Directive	010729	Management Limited		I
Markets in Financial	610767		1	
	010707	Ownership Capital B.V.	1	
Instruments Directive Markets in Financial	611066	Allianz Risk Transfer		20
Instruments Directive	011000			30
Markets in Financial	611346	(UK) Limited Pia Markets Ltd		31
Instruments Directive	011340	Pla Markets Ltu		51
Markets in Financial	611534	Atlantic Securities Ltd	1	
Instruments Directive	011554	Atlantic Securities Ltu	I I	
Markets in Financial	611742	FXGlobe Ltd	1	
	011/42	FXGIODE LIC	1	
Instruments Directive Markets in Financial	612233	CE Capital Management		1
	012233	GF Capital Management		I
Instruments Directive Markets in Financial	612292	Ltd Pareto Securites Ltd	1	
	012292	Pareto Securites Ltd	1	
Instruments Directive	(10005	DD Drivete Faulty	1	
Markets in Financial	612295	DB Private Equity	1	
Instruments Directive	(10001	GmbH		0.1
Markets in Financial	612301	Venice Investment		31
Instruments Directive	(10500	Limited		
Markets in Financial	612590	Cairn Loan Investments		20
Instruments Directive	(10000			0.1
Markets in Financial	613003	Venture Founders		31
Instruments Directive	(10000	Limited		
Markets in Financial	613008	Mole Valley Asset		2
Instruments Directive	(10001	Management Ltd		
Markets in Financial	613021	Syndicate Room Ltd		31
Instruments Directive	(10070			
Markets in Financial	613078	Spot Capital Markets	2	
Instruments Directive	(1000)	Ltd	1	
Markets in Financial	613206	Fidelisco Capital	1	
Instruments Directive	(1004)	Markets Ltd	1	
Markets in Financial	613246	XS Investments B.V.	1	
Instruments Directive	(10000			
Markets in Financial	613300	Andbank Luxembourg	1	
Instruments Directive	(10007			
Markets in Financial	613327	Lincoln Private		29
Instruments Directive	(10,110	Investment Office LLP	1	
Markets in Financial	613413	B.O. Tradefinancials Ltd	1	
Instruments Directive	(10.11)			
Markets in Financial	613416	Erste Financial Services	1	
Instruments Directive		GmbH		
Markets in Financial	613582	BDA Partners (London)		16
Instruments Directive		Limited		
Markets in Financial	613681	TCW Europe Limited		31
Instruments Directive	(4500)			
Markets in Financial	615234	Vistabrokers CIF Ltd	1	
Instruments Directive				
Markets in Financial	615256	Two Sigma		31
Instruments Directive		International Limited		
Markets in Financial	615355	Natixis Bank S.A.	1	
Instruments Directive				

Markets in Financial	615377	Demok Accet		31
Instruments Directive	015377	Ramek Asset		31
Markets in Financial	615488	Management Limited General Atlantic (UK)		31
Instruments Directive	015466			31
Markets in Financial	615672	Wave Securities LLP		29
Instruments Directive	013072	Wave Securities LEI		27
Markets in Financial	615808	GFP Juniper LLP		31
Instruments Directive	015000			51
Markets in Financial	616035	Banque de Luxembourg	1	
Instruments Directive	010033	S.A.	1	
Markets in Financial	616205	Bethmann Bank AG	1	
Instruments Directive	010203		1	
Markets in Financial	616207	Concorde Investments	1	
Instruments Directive	010207	(CYPRUS) Ltd		
Markets in Financial	616213	London Derivatives		31
Instruments Directive	010213	Exchange Limited		51
Markets in Financial	616215	Tilman Brewin Dolphin	1	
Instruments Directive	010210	Limited		
Markets in Financial	616272	Amagis Capital Partners		31
Instruments Directive	010272	LLP		01
Markets in Financial	616283	Cleaves Securities AS	1	
Instruments Directive	0.0200			
Markets in Financial	616286	Agasti Capital Markets	1	
Instruments Directive	0.0200	AS		
Markets in Financial	616288	Cedar Wealth Limited		7
Instruments Directive				-
Markets in Financial	616299	Symbiotics (UK)		7
Instruments Directive		Limited		
Markets in Financial	616335	Optionrally Financial	1	
Instruments Directive		Services Ltd		
Markets in Financial	616354	Coppin Collings Ltd		31
Instruments Directive				
Markets in Financial	616380	Clark Financial Advisory		11
Instruments Directive		Limited		
Markets in Financial	616496	GYR Consulting Ltd		7
Instruments Directive		_		
Markets in Financial	616560	Admiral Markets Cyprus	1	
Instruments Directive		Ltd		
Markets in Financial	616886	Hanfore Capital Limited		31
Instruments Directive				
Markets in Financial	616985	Foreign Currency		31
Instruments Directive		Innovations Limited		
Markets in Financial	617037	SC Lowy Asset		31
Instruments Directive		Management (UK) Ltd		
Markets in Financial	617086	Belair House	1	
Instruments Directive				
Markets in Financial	617970	NFX CAPITAL CY LTD	1	
Instruments Directive				
Markets in Financial	618237	Priorfx Ltd	1	
Instruments Directive				
Markets in Financial	618668	Banco BTG Pactual	1	
Instruments Directive		Luxembourg S.A.		
Markets in Financial	620960	WGM Services Ltd	1	
Instruments Directive				
Markets in Financial	621130	Port FX Limited	1	
Instruments Directive				

Instruments Directive JSCo Markets in Financial 621568 Asset Growth EAFLS.L. 1 Instruments Directive Bank Leumi 2 Markets in Financial 622404 Mirabaud & Cie 1 Markets in Financial 622405 AMB PRIME LTD 1 Instruments Directive 622405 AMB PRIME LTD 1 Instruments Directive 622464 MPR Capital 1 Instruments Directive 622464 MPM Capital 1 Instruments Directive 622454 Exclusive Partners 1 Instruments Directive 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Instruments Directive 622532 CROWD TECH LTD 1 Instruments Directive 622564 Mega Equity Securities 1 Instruments Directive 6226574 Curve Markets (K) 31 Instruments Directive 1 1 1 Instruments Directive 1 1 1 Instruments Direc	Markets in Financial	621564	BenchMark Finance	1	
Markets in Financial 621568 Asset Growth EAFI S.L. 1 Instruments Directive (Luxembourg) S.A. 2 Instruments Directive (Luxembourg) S.A. 1 Markets in Financial 622404 Mirabau & Cie 1 Instruments Directive 2 1 1 Markets in Financial 622405 AMB PRIME LTD 1 Instruments Directive 1 1 1 Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 1 1 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Markets in Financial 622574 Curve Markets (UK) 31 Instruments Directive 1 1 1 Markets in Financial 622691 CACEIS Bank 1 Instruments Directive 1 1 1 Markets in Financial 622870		021304		1	
Instruments Directive Active sin Financial 621886 Markets in Financial 622404 Mirabaud & Cie 1 Instruments Directive 622405 AMB PRIME LTD 1 Markets in Financial 622405 AMB PRIME LTD 1 Instruments Directive 622405 AMB PRIME LTD 1 Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 622454 MPM Capital 1 Instruments Directive 622454 MVOX Capital Ltd 1 Instruments Directive 622532 CROWD TECH LTD 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622574 Curve Markets (UK) 31 Instruments Directive 1 1 1 Markets in Financial 622605 Mega Equity Securities an Financial 1 Instruments Directive 2 2 30 30 Markets in Financial 622807 CACEIS Bank 1 1 Instruments Directi		621568		1	
Markets in Financial 621886 Bank Leumi 2 Instruments Directive (Luxembourg) S.A. 1 Markets in Financial 622404 Mirabaud & Cie 1 Instruments Directive 622405 AMB PRIME LTD 1 Instruments Directive 622404 MPM Capital 1 Instruments Directive 622404 MPM Capital 1 Instruments Directive MPM Capital 1 Markets in Financial 622514 Novox Capital Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Markets in Financial 622532 Cadcapital Markets Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622657 Curve Markets (UK) 31 Instruments Directive 1 1 1 Markets in Financial 622667 Mega Equity Securities 1 Instruments Directive 1 1 1 Markets in Financial 622807 CACEIS Bank 1 Instruments Directive 1 1 1 Markets in Financial		021500	ASSET GIOWITT EAT I S.E.	1	
Instruments Directive (Luxembourg) S.A. Markets in Financial 622404 Mirabaud & Cle 1 Instruments Directive 622405 AMB PRIME LTD 1 Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 622454 Exclusive Partners 1 Markets in Financial 622454 MPM Capital 1 Instruments Directive 622464 MPM Capital 1 Instruments Directive 622532 CROWD TECH LTD 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 622574 Curve Markets (UK) 31 Instruments Directive 622697 Curve Markets (UK) 31 Instruments Directive 1 1 1 Markets in Financial 622697 CACEIS Bank 1 Instruments Directive 1 1 1 Markets in Financial 622809 ZAIS Group (UK) Ltd 30 Instruments Directive 1 1 1 Markets in Financial 622807 GAO-Z. com Trade UK 31 </td <td></td> <td>621886</td> <td>Bank Leumi</td> <td>2</td> <td></td>		621886	Bank Leumi	2	
Markets in Financial 622404 Mirabaud & Cie 1 Instruments Directive 622405 AMB PRIME LTD 1 Markets in Financial 622405 Exclusive Partners 1 Instruments Directive 1 1 1 Markets in Financial 622404 MPM Capital 1 Instruments Directive 1 1 1 Markets in Financial 622514 Novox Capital Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622665 Mega Equity Securities and Financial Services Public Ltd 1 Instruments Directive 1 1 1 1 Markets in Financial 622807 ZAIS Group (UK) Ltd 30 Instruments Directive 1 1 1 Markets in Financial 622807 GMO-Z.com Trad		021000		2	
Instruments Directive(Europe) S.A.Markets in Financial622405AMB PRIME LTDInstruments Directive622454Exclusive PartnersMarkets in Financial622454Exclusive PartnersInstruments DirectiveInvestments Limited1Instruments DirectiveInvestments Limited1Markets in Financial622514Novox Capital Ltd1Instruments Directive622532CROWD TECH LTD1Markets in Financial622533Leadcapital Markets Ltd1Instruments Directive622574Curve Markets (UK)31Instruments Directive111Markets in Financial622574Curve Markets (UK)31Instruments Directive111Markets in Financial622655Mega Equity Securities1Instruments Directive111Markets in Financial622691CACEIS Bank1Instruments Directive1130Markets in Financial622807CMC Commodities31Instruments Directive111Markets in Financial622807CMO -Z. com Trade UK31Instruments Directive111Markets in Financial623022Domino Europe Limited1Instruments Directive111Markets in Financial623022Domino Europe Limited1Instruments Directive111Markets in Financial <td< td=""><td></td><td>622404</td><td></td><td>1</td><td></td></td<>		622404		1	
Markets in Financial 622405 AMB PRIME LTD 1 Instruments Directive 1 Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 1 1 Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 1 1 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 1 1 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive 1 1 1 Markets in Financial 622654 Mega Equity Securities 1 Instruments Directive 1 1 1 Markets in Financial 6226091 CACEIS Bank 1 Instruments Directive 1 1 1 Markets in Financial 622809 ZAIS Group (UK) Ltd 30 Instruments Directive 1 1 1 Markets in Financial 622807 GMO-Z.com Trade UK 31 Instruments Directive 1 1		022404		1	
Instruments Directive 622454 Exclusive Partners 1 Markets in Financial 622454 Exclusive Partners 1 Markets in Financial 622464 MPM Capital 1 Instruments Directive Investments Limited 1 Markets in Financial 622514 Novox Capital Ltd 1 Instruments Directive 622532 CROWD TECH LTD 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive Imited 31 Markets in Financial 622574 Curve Markets (UK) 31 Instruments Directive Imited 31 Markets in Financial 622674 Curve Markets (UK) 31 Instruments Directive 22665 Mega Equity Securities 1 Instruments Directive 22809 ZAIS Group (UK) Ltd 30 Instruments Directive 622807 Halcyon Commodities 31 Instruments Directive GMO-2, com Trade UK 31 31 Instruments Directive Limited 31 31 Markets in Financial 622807 G		622405		1	
Markets in Financial 622454 Exclusive Partners 1 Instruments Directive 622464 MPM Capital 1 Instruments Directive 622514 Novox Capital Ltd 1 Markets in Financial 622532 CROWD TECH LTD 1 Instruments Directive 622532 CROWD TECH LTD 1 Markets in Financial 622573 Leadcapital Markets Ltd 1 Instruments Directive 622574 Curve Markets (UK) 31 Instruments Directive Limited 1 Markets in Financial 622674 Curve Markets (UK) 31 Instruments Directive Limited 1 1 Markets in Financial 622601 CACEIS Bank 1 Instruments Directive CACEIS Bank 1 1 Instruments Directive GMo-Z.com Trade UK 31 31 Instruments Directive GMO-Z.com Trade UK 31 1 Instruments Directive Limited 1 1 Markets in Financial 622870 CMC-Z.com Trade UK 31 Instruments Directive Cateis Cateis Catei		022405		1	
Instruments Directive622464MPM Capital1Markets in Financial622514Novox Capital Ltd1Instruments Directive622532CROWD TECH LTD1Markets in Financial622533Leadcapital Markets Ltd1Instruments Directive622533Leadcapital Markets Ltd1Markets in Financial622574Curve Markets (UK)31Instruments Directive11Markets in Financial622674Curve Markets (UK)31Instruments Directive111Markets in Financial622674Curve Markets (UK)31Instruments Directive111Markets in Financial622691CACEIS Bank1Instruments Directive13030Markets in Financial622870Halcyon Commodities31Instruments Directive223131Markets in Financial622870Halcyon Commodities31Instruments Directive1303131Instruments Directive13131Markets in Financial623032Commo Europe Limited1Instruments Directive623166Twelve Capital (UK) Ltd31Instruments Directive623166Twelve Capital (UK) Ltd31Instruments Directive623166Twelve Capital (UK) Ltd31Instruments Directive623678Prism Wealth31Markets in Financial623400Auda (Deutschland)<		622454	Exclusivo Partnors	1	
Markets in Financial 622464 MPM Capital 1 Instruments Directive 622514 Novox Capital Ltd 1 Markets in Financial 622532 CROWD TECH LTD 1 Markets in Financial 622533 Leadcapital Markets Ltd 1 Instruments Directive 622574 Curve Markets (UK) 31 Instruments Directive 622674 Curve Markets (UK) 31 Instruments Directive 622665 Mega Equity Securities and Financial Services Public Ltd 1 Markets in Financial 622674 CACEIS Bank 1 1 Instruments Directive 622691 CACEIS Bank 1 30 Markets in Financial 622870 Halcyon Commodities 31 Instruments Directive 1 30 31 Instruments Directive 1 30 31 Instruments Directive 1 31 31 Instruments Directive 1 31 31 Instruments Directive 1 31 31 Instruments Directive 623032 Domino Europe Limited 1 <		022454	Exclusive Faithers	1	
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Markets in Financial	624225	Formax Prime Capital		31
Instruments Directive	024225	(UK) Limited		51
Markets in Financial	624401	Euro-Finance AD	1	
Instruments Directive	024401		'	
Markets in Financial	624545	Fynamore Advisers		19
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Markets in Financial	624555	Eureeca Limited		32
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Markets in Financial	624569	Eleva Capital LLP		7
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Markets in Financial	624571	Qatalyst Partners		31
Instruments Directive	024371	Limited		31
Markets in Financial	624573	Inflection Point Capital		31
Instruments Directive	024373	Management UK Ltd		51
Markets in Financial	624588	Five Rings Capital LLP		1
Instruments Directive	024566	Five Rings Capital LLF		I
Markets in Financial	624775	Emerging Markets Bond		31
Instruments Directive	024775	Exchange Limited		31
Markets in Financial	625054	Makor Securities		32
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Markets in Financial	625801	Setanta Asset	1	
Instruments Directive	025601	Management Limited	'	
Markets in Financial	625830	Julius Baer	1	
Instruments Directive	025650	(Netherlands) B.V	1	
Markets in Financial	626080	Ipanema Capital GmbH	1	
Instruments Directive	020000	ipanema capital Gribri	'	
Markets in Financial	626332	Amundi Intermediation	1	
Instruments Directive	020332	And an internediation	1	
Markets in Financial	626334	Nextrade Worldwide Ltd	1	
Instruments Directive	020334	Nextrade worldwide Etd	1	
Markets in Financial	626644	Acolin Europe GmbH	1	
Instruments Directive	020044	Aconn Europe Gribri	1	
Markets in Financial	626648	Incrementum AG	1	
Instruments Directive	020040	incrementum Ao	'	
Markets in Financial	626654	Prodigit Investments	1	
Instruments Directive	020054	Ltd	1	
Markets in Financial	627081	Adlatus	1	
Instruments Directive	027001	Aktiengesellschaft		
Markets in Financial	627405	The Eurocredit		8
Instruments Directive	027400	Exchange Ltd		8
Markets in Financial	627407	Veritas Asset		Л
Instruments Directive	02/40/			4
Markets in Financial	627470	Management LLP Timberland Invest Ltd	1	
	02/4/0			
Instruments Directive				

Markets in Financial	627486	Meriden Capital	1	
Instruments Directive	027400	Partners EAFI S.L		
Markets in Financial	627495	Sector Capital AS	1	
Instruments Directive	027493		1	
Markets in Financial	627914	AHJ Capital Markets		31
Instruments Directive	027714	Limited		51
Markets in Financial	627922	Fullerton FM Europe		17
Instruments Directive	021922	Limited		17
Markets in Financial	628267	Hamilton Court FX LLP		31
Instruments Directive	020207			31
Markets in Financial	628275	Bordier ET CIE (France)	1	
Instruments Directive	020275	SA	1	
Markets in Financial	628563	Threadmark Partners		25
Instruments Directive	028303	Limited		25
Markets in Financial	628740	New Amsterdam		2
Instruments Directive	028740			2
Instruments Directive		Capital Management		
Markata in Financial	628755	Ltd Crowell Capital Limited	1	
Markets in Financial Instruments Directive	628755	Growell Capital Limited	1	
Markets in Financial	() 0 0 2 7	Forghana Darthara LLD		22
	628837	Ferghana Partners LLP		22
Instruments Directive	(2005 (0.1
Markets in Financial	628856	Standard Advisory		31
Instruments Directive	(200/0	London Limited		0.1
Markets in Financial	628868	Gamma Finance		31
Instruments Directive	(Limited		_
Markets in Financial	628932	Mercuria Europe		7
Instruments Directive		Trading Limited		
Markets in Financial	628968	OBR Investments	1	
Instruments Directive		Limited		_
Markets in Financial	629305	Credicorp Capital UK		7
Instruments Directive		Limited		
Markets in Financial	629310	AngelList Ltd		30
Instruments Directive				
Markets in Financial	629485	Bloomberg Trading		31
Instruments Directive		Facility Limited		
Markets in Financial	629591	Cadogan Securities UK		15
Instruments Directive		Limited		
Markets in Financial	629623	Price Value Partners		3
Instruments Directive		Limited		
Markets in Financial	629628	TF Global Markets (UK)		31
Instruments Directive		Limited		
Markets in Financial	629630	Alken Asset		18
Instruments Directive		Management Ltd		
Markets in Financial	629749	Harvest Associates Ltd		1
Instruments Directive				
Markets in Financial	629765	Edenred Capital		4
Instruments Directive		Partners Limited		
Markets in Financial	629770	FinDeal Advisers S.A	1	
Instruments Directive				
Markets in Financial	629950	Monarch Alternative		31
Instruments Directive		Capital (Europe) Ltd		
Markets in Financial	630135	Argon Financial Limited	1	
Instruments Directive				
Markets in Financial	630273	Stevens et de Munter	1	
Instruments Directive				

Markets in Financial	630306	Zaoui & Co Ltd		12
Instruments Directive	000000			
Markets in Financial	630983	Acanthus Capital		28
Instruments Directive		Limited		20
Markets in Financial	631316	LG Partners B.V.	1	
Instruments Directive	001010			
Markets in Financial	631322	CeFDex AG	1	
Instruments Directive	001022		, i	
Markets in Financial	631408	Hoch Capital Ltd	1	
Instruments Directive	001400		, i	
Markets in Financial	631535	S.S.I.F. Blue Rock	1	
Instruments Directive	001000	Financial Services S.A	, i	
Markets in Financial	631987	MS AMLIN INVESTMENT		1
Instruments Directive	031707	MANAGEMENT LIMITED		
Instruments Directive				
Markets in Financial	632006	MGW Gesellschaft fur	1	
Instruments Directive	032000	Geldund	I	
		Wertpapiervermittlung		
		mbH		
Markets in Financial	632007	Millennium Europe		30
Instruments Directive	032007	Limited		50
Markets in Financial	646610	Zanbato UK Limited		19
Instruments Directive	040010			17
Markets in Financial	646837	Factum AG	1	
Instruments Directive	040037	Vermögensverwaltung	I	
Markets in Financial	646917	Marshall Sterling		3
Instruments Directive	040717	Investment		5
Instruments Directive		Management Limited		
Markets in Financial	646953	Formuepleje A/S	1	
Instruments Directive	040733	Fondsmaeglerselskab	I	
Markets in Financial	647088	Aerius Associates		31
Instruments Directive	047000	Advisers LLP		51
Markets in Financial	647192	WEBB Traders B.V.	1	
Instruments Directive	047172	WEDD Haders D.V.	I	
Markets in Financial	647919	Tikehau Capital Europe		1
Instruments Directive	047717	Limited		1
Markets in Financial	648770	GINALFI FINANCE	1	
Instruments Directive	040770	GINALITTINANCE	I	
Markets in Financial	648817	Holborn Assets Ltd		31
Instruments Directive	040017	Holborn Assets Etd		51
Markets in Financial	648895	Fideliscm (Cyprus)	1	
Instruments Directive	040075	Limited	I	
Markets in Financial	649103	ML Capital Asset	1	
Instruments Directive	047103	Management Limited		
Markets in Financial	649107	White Box Quant		31
Instruments Directive	049107	Limited		31
Markets in Financial	649496	Elkstone Private	1	
Instruments Directive	047470	Advisors Limited		
Markets in Financial	649757		1	
	049/5/	R Capital Solutions Ltd	I	
Instruments Directive	640700	Mandatum Lifa	1	
Markets in Financial	649798	Mandatum Life		
Instruments Directive		Investment Services		
Markata in Financial	(10000	Ltd		
Markets in Financial	649800	MIM 3 S.A. Luxembourg	1	
Instruments Directive				

Markets in Financial	650083	Transatlantique Gestion	1	
Instruments Directive	000000			
Markets in Financial	650279	Partners Group (UK)		1
Instruments Directive	0002//	Management Limited		
Markets in Financial	650321	Best Choice FBC	1	
Instruments Directive		Limited (Firm currently		
		under suspension by		
		home state regulator)		
Markets in Financial	650332	Hauck & Aufhauser	2	
Instruments Directive	000002	Privatbankiers KGaA	-	
Markets in Financial	651308	Goldenburg Group	1	
Instruments Directive		Limited		
Markets in Financial	651322	Tradernet Ltd	1	
Instruments Directive			-	
Markets in Financial	651385	Envent Capital Markets		32
Instruments Directive		Limited		_
Markets in Financial	652114	Pilling & Co		7
Instruments Directive		Stockbrokers Ltd		
Markets in Financial	653089	Tamesis Associates LLP		31
Instruments Directive				
Markets in Financial	653106	Active Compass EAFI	1	
Instruments Directive		SL		
Markets in Financial	653661	Novia Global Limited		31
Instruments Directive				
Markets in Financial	653770	Square Global Ltd		28
Instruments Directive				
Markets in Financial	653913	FS First Solutions		3
Instruments Directive		Limited		
Markets in Financial	654340	Harvest Global		31
Instruments Directive		Investments (UK)		
		Limited		
Markets in Financial	655226	HD Capital Partners		29
Instruments Directive		Limited		
Markets in Financial	655426	Boursotrade Ltd	1	
Instruments Directive		(Cypriot Regulator		
		suspended the firm's		
		inward service passport		
		into the UK on the		
		17/03/2017)		
Markets in Financial	655767	Jackdaw Capital		1
Instruments Directive	(57000	Management Limited		
Markets in Financial	657090	Quest Fund Placement		30
Instruments Directive	(5704.4	LLP		0.1
Markets in Financial	657314	ESO Capital Partners		31
Instruments Directive	(57505	UK LLP	1	
Markets in Financial	657525	Harborx Ltd	1	
Instruments Directive	(50500	Dank Vantahal Europa	2	
Markets in Financial	658580	Bank Vontobel Europe	2	
Instruments Directive Markets in Financial	659492	AG 1 T.C.R. CORP. LTD -	1	
Instruments Directive	009492			
		Cypriot Regulator has suspended the firm's		
		inward service passport		
		into the UK on 17 July		
		J		
		2015		

Markets in Financial	659844	AAA Trade Ltd	1	
Instruments Directive				
Markets in Financial	659848	TimeInvest	1	
Instruments Directive		Fondsmaeglerselskab		
		A/S		
Markets in Financial	659876	Rothschild	1	
Instruments Directive		Vermogensverwaltungs		
		GmbH		
Markets in Financial	660190	Plus500CY Limited	1	
Instruments Directive				
Markets in Financial	660296	Triple AM LLP		31
Instruments Directive				
Markets in Financial	660640	Capital Index (Cyprus)	2	
Instruments Directive		Limited		
Markets in Financial	663017	Sturgeon Alternatives		31
Instruments Directive		Limited		
Markets in Financial	663284	La Francaise Bank	1	
Instruments Directive				
Markets in Financial	663344	Quercus Investment		9
Instruments Directive		Partners Limited		
Markets in Financial	663348	KGAL Capital GmbH &	1	
Instruments Directive		Co. KG		
Markets in Financial	664608	Colville Partners		31
Instruments Directive	_	Limited		
Markets in Financial	665037	Agenda Invest Ltd		13
Instruments Directive				
Markets in Financial	665388	MGI B.V	1	
Instruments Directive				
Markets in Financial	665654	Wimmer Family Office		31
Instruments Directive		Ltd		
Markets in Financial	666766	Syz Asset Management		12
Instruments Directive	((7000	(Europe) Limited		
Markets in Financial	667893	Matthews Global		5
Instruments Directive	((0570	Investors (UK) Ltd		
Markets in Financial	668573	BSG Asset Management	1	
Instruments Directive	((00))	B.V	1	
Markets in Financial	668865	Holiway Investments	1	
Instruments Directive Markets in Financial	669007	Ltd Blackbee Investments	1	
Instruments Directive	009007	Limited	I	
Markets in Financial	669641	Addvision Wealth		10
Instruments Directive	009041	Management Limited		10
Markets in Financial	669763	EM Quest Limited		30
Instruments Directive	007703	Em Quest Einited		50
Markets in Financial	670182	IQOPTION EUROPE LTD	1	
Instruments Directive	070102			
Markets in Financial	670370	EB	1	
Instruments Directive	0/03/0	Portfoliomanagement		
		GmbH		
Markets in Financial	670466	CM-CIC Private Debt	1	
Instruments Directive	5,0400	SAS	'	
Markets in Financial	670685	Long-Term Capital		1
Instruments Directive	0,0000	Partners Limited		
Markets in Financial	670961	FinTech Group Bank AG	1	
	5,5,01		· · · ·	

Markets in Financial	671867	MCS Markets Ltd		31
Instruments Directive				
Markets in Financial	671879	NOVETHOS Financial	1	
Instruments Directive		Partners Gmbh		
Markets in Financial	671952	GreenOak Real Estate		14
Instruments Directive		Advisors LLP		
Markets in Financial	672525	Horizon International		31
Instruments Directive		Partnership LLP		
Markets in Financial	672845	UBFS INVEST	1	
Instruments Directive		POWERED BY		
		MONEYCHOICE		
		BROKERS LTD - FCA		
		notified by home state		
		that its authorisation		
		has been suspended.		
Markets in Financial	672901	Lucro Capital Ltd	1	
Instruments Directive				
Markets in Financial	672997	Spirit Asset	1	
Instruments Directive		Management S.A		
Markets in Financial	673097	Banque J. Safra Sarasin	1	
Instruments Directive		(Luxembourg) S.A.		
Markets in Financial	674242	A.A.M. & Wealth Ltd	1	
Instruments Directive				
Markets in Financial	676240	Energiakolmio Portfolio	1	
Instruments Directive		Services LTD		
Markets in Financial	676827	Riva Capital (UK)		11
Instruments Directive		Limited		
Markets in Financial	676873	Vinson Financials Ltd	1	
Instruments Directive				
Markets in Financial	677055	Artorius Wealth		5
Instruments Directive		Management Limited		
Markets in Financial	677250	Foxberry Ltd		14
Instruments Directive				
Markets in Financial	677493	FMS Wertmanagement	2	
Instruments Directive		Service GMBH		
Markets in Financial	677530	Global Market Index		2
Instruments Directive		Limited		
Markets in Financial	677648	Colin & Cie Luxembourg	1	
Instruments Directive		S.A.		
Markets in Financial	677662	Apex Asset	1	
Instruments Directive		Management AG		
Markets in Financial	677901	Arena Wealth	1	
Instruments Directive		Management S.A.		
Markets in Financial	678746	Global Wealth		31
Instruments Directive		Management Solutions		
		LLP		
Markets in Financial	678870	Cross Financial	1	
Instruments Directive		Advisors GmBH		
Markets in Financial	678983	PJT Partners (UK)		31
Instruments Directive		Limited		
Markets in Financial	678985	The London Trading		31
Instruments Directive		Company (UK) Plc		
Markets in Financial	679306	OctaFX UK Limited		1
Instruments Directive				

Markets in Financial	680140	Coverdeal Holdings Ltd	1	
Instruments Directive	000140	ooverdear Holdings Eta	'	
Markets in Financial	680978	Flexagon Capital		31
Instruments Directive	000770	Solutions LLP		01
Markets in Financial	681329	Norvik Banka UK		30
Instruments Directive	001027	Limited		00
Markets in Financial	681420	Crito Capital LLP		20
Instruments Directive	001420			20
Markets in Financial	681820	Eurobank Private Bank	1	
Instruments Directive	001020	Luxembourg S.A.,	I	
		London Branch		
Markets in Financial	682469	Aspoma Asset	1	
Instruments Directive	002107	Management Gmbh		
Markets in Financial	682782	HYCM (Europe) Ltd	1	
Instruments Directive	002702		'	
Markets in Financial	683301	VPR Safe Financial	1	
Instruments Directive	000001	Group Ltd	'	
Markets in Financial	683828	P & F Portfolio-und	1	
Instruments Directive	000020	Finanzmanagement	'	
Instruments Directive		GmBH		
Markets in Financial	683933	Everest Capital Partners	1	
Instruments Directive		- Multi Assets &		
		Advisory		
Markets in Financial	684383	Lambay Capital Limited	1	
Instruments Directive	00.000			
Markets in Financial	685262	Symvan Capital Limited		1
Instruments Directive				
Markets in Financial	685902	Asteo Luxembourg SA	1	
Instruments Directive		5		
Markets in Financial	685936	DS Platforms Ltd	1	
Instruments Directive				
Markets in Financial	688456	Black Pearl Securities		31
Instruments Directive		Limited		
Markets in Financial	688638	W4I Investment		3
Instruments Directive		Advisory Limited		
Markets in Financial	688829	Gardena Capital Ltd		14
Instruments Directive				
Markets in Financial	688856	Gesfin Limited	1	
Instruments Directive				
Markets in Financial	688894	Opera Trading Capital	1	
Instruments Directive				
Markets in Financial	688896	Descartes Trading SA	2	
Instruments Directive		_		
Markets in Financial	689943	Optieclub.nl B.V.	1	
Instruments Directive				
Markets in Financial	690231	Versobank AS	1	
Instruments Directive				
Markets in Financial	692560	Oxford Portfolio		30
Instruments Directive		Advisers Limited		
Markets in Financial	695093	Heitman International	1	
Instruments Directive		Real Estate Securities		
		GmbH		
Markets in Financial	696209	Franklin Templeton	1	
Instruments Directive		Luxembourg S.A.		

Markets in Financial	697488	Bank of	1	
Instruments Directive	077100	Communications		
		(Luxembourg) S.A.		
Markets in Financial	697683	Invesdor Oy	1	
Instruments Directive	077000	investor ey		
Markets in Financial	697814	FX Primus Europe (CY)	1	
Instruments Directive	077014	Ltd	I I	
Markets in Financial	698380	Hilbert Investment		30
Instruments Directive	070300	Solutions Ltd		50
Markets in Financial	700079	UBK Markets Ltd	1	
Instruments Directive	700077	ODR Markets Etd		
Markets in Financial	700094	Binary Investments	1	
Instruments Directive	700094	(Europe) Ltd	I	
Markets in Financial	702752	Corum	1	
Instruments Directive	102152		I	
Instruments Directive		Vermogensverwaltung		
Markata in Financial	702759	(Deutschland) GmbH EDR Financial Ltd	1	
Markets in Financial	102759		'	
Instruments Directive	7000/0	Dermonent TCD Di-		
Markets in Financial	702862	Permanent TSB Plc	1	
Instruments Directive	705440			1
Markets in Financial	705149	Portsea Asset		1
Instruments Directive		Management LLP		
Markets in Financial	705755	RP Crest GmbH	1	
Instruments Directive				
Markets in Financial	705775	Aethel Partners LLP		31
Instruments Directive				
Markets in Financial	706425	Plurimi Wealth	1	
Instruments Directive		Solutions Limited		
Markets in Financial	706717	Ox Capital Markets Ltd	1	
Instruments Directive				
Markets in Financial	707342	Chefinvest	1	
Instruments Directive		International AG		
Markets in Financial	708100	Templar EIS Ltd	1	
Instruments Directive				
Markets in Financial	708101	Swiss ALP Asset	1	
Instruments Directive		Management GmbH		
Markets in Financial	708291	Saphir Partner S.A.	1	
Instruments Directive				
Markets in Financial	708300	Glestimon Management	1	
Instruments Directive		Ltd		
Markets in Financial	708373	Goodbody Stockbrokers	2	
Instruments Directive				
Markets in Financial	708885	K-DNA Financial	1	
Instruments Directive		Services Ltd		
Markets in Financial	709143	FAME Investments AG	1	
Instruments Directive				
Markets in Financial	709612	Bankhaus Scheich	1	
Instruments Directive		Wertpapierspezialist		
		GmbH		
Markets in Financial	710119	Renta 4 Banco, S.A	1	
Instruments Directive				
Markets in Financial	710394	Agricultural Bank of	1	
Instruments Directive		China (Luxembourg)		
		S.A.		
Markets in Financial	710580	Orea Capital	1	
Instruments Directive		· · ·		

Markets in Financial	710781	Wickenkamp Consulting	1
Instruments Directive	/10/81	GmbH	I
Markets in Financial	710858	HiBrook financial	1
Instruments Directive	710050	advisors GmbH	
Markets in Financial	712178	Livalor	1
Instruments Directive	/121/0		I
Instruments Directive		Vermogensverwaltung	
Markets in Financial	712336	AG	1
	/12330	Intesa Sanpaolo Private	I I
Instruments Directive	710/05	Banking S.p.A.	1
Markets in Financial	712685	Tendall Capital Markets	1
Instruments Directive	740070	Ltd	
Markets in Financial	712973	Atlantic Capital Limited	1
Instruments Directive			
Markets in Financial	713389	DFP Deutsche Finanz	1
Instruments Directive		Portfolioverwaltung	
		GmbH	
Markets in Financial	714290	9Street Capital Markets	1
Instruments Directive	4	B.V.	
Markets in Financial	714329	Nederlandsche	1
Instruments Directive		Betaal&Wissel	
		Maatschappij N.V.	
Markets in Financial	714881	GS Sharestocks Limited	1
Instruments Directive			
Markets in Financial	714882	Maiestas Asset	1
Instruments Directive		Management AG	
Markets in Financial	715712	EAA Portfolio Advisers	1
Instruments Directive		GmbH	
Markets in Financial	716522	AMFF Ltd	1
Instruments Directive			
Markets in Financial	717142	Banca Comerciala	1
Instruments Directive		Romana S.A	
Markets in Financial	717847	Dasym Managed	1
Instruments Directive		Accounts B.V.	
Markets in Financial	717849	Lynx Vermgensbeheer	1
Instruments Directive		B.V.	
Markets in Financial	719375	BSI Europe SA	1
Instruments Directive			
Markets in Financial	719524	Erste Befektetesi Zrt.	1
Instruments Directive			
Markets in Financial	720229	CONSTANCE	1
Instruments Directive	. 2022/	INVESTMENT LTD.	· · · · · · · · · · · · · · · · · · ·
Markets in Financial	720535	Ott, Hagen & Partner	1
Instruments Directive	, 20000	AG, Vaduz	· · · · · · · · · · · · · · · · · · ·
Markets in Financial	720603	V-Bank AG	1
Instruments Directive	,20003		'
Markets in Financial	721521	NFS Netfonds Financial	1
Instruments Directive	721021	Service GmbH	'
Markets in Financial	721559		1
	121009	NetDania Markets ApS	'
Instruments Directive	700017		
Markets in Financial	723017	ASSET MANAGEMENT	1
Instruments Directive		ADVISORY SERVICES	
Manhata in Einen 11	704555	(AMASS) LIMITED	
Markets in Financial	724557	Börse Stuttgart cats	1
Instruments Directive		GMBH	

Markets in Financial	725113	Global Shares	1	
Instruments Directive	720110	Execution Services		
		Limited		
Markets in Financial	725524	VCG Investment	1	
Instruments Directive		Management AB		
Markets in Financial	726330	SKANESTAS	1	
Instruments Directive		INVESTMENTS LTD		
Markets in Financial	726444	Alean (Capital) AG	1	
Instruments Directive				
Markets in Financial	727356	Formuesforvaltning	1	
Instruments Directive		Aktiv Forvaltning AS		
UCITS IV Directive	122057	M & G Securities		1
		Limited		
UCITS IV Directive	122335	HSBC Global Asset		30
		Management (UK)		
		Limited		
UCITS IV Directive	122488	Jupiter Unit Trust		1
		Managers Limited		
UCITS IV Directive	122491	Santander Asset		9
		Management UK		
		Limited		
UCITS IV Directive	144267	Kames Capital plc		3
UCITS IV Directive	146477	Standard Life		1
		Investments (Mutual		
		Funds) Limited		
UCITS IV Directive	155112	RBS Asset Management	1	
		(Dublin) Limited		
		`		
UCITS IV Directive	206694	AXA Investment	1	
		Managers Paris		
UCITS IV Directive	206734	Candriam Belgium	1	
		NV/SA		
UCITS IV Directive	210437	Amundi Asset	1	
		Management		
UCITS IV Directive	216849	Boussard & Gavaudan		1
		Asset Management LP		
UCITS IV Directive	216942	KBC Asset Management	1	
		NV		
UCITS IV Directive	221800	Kempen Capital	1	
		Management NV		
UCITS IV Directive	225586	Stafford Capital		8
		Partners Limited		
UCITS IV Directive	230885	Morgan Stanley		1
		Investment		
		Management (ACD)		
		Limited		
UCITS IV Directive	231132	Societe Generale Asset	1	
		Management SA		
UCITS IV Directive	232153	GeneralCologne Re	1	
		Capital GmbH		
UCITS IV Directive	401883	Amundi Asset	2	
		Management		
UCITS IV Directive	419431	Allianz Global Investors	2	
		GmbH		

UCITS IV Directive	410740	Lazard Accet	1	
UCITS IV Directive	419748	Lazard Asset	I	
		Management		
		(Deutschland) GmbH		
UCITS IV Directive	429721	Edmond de Rothschild	1	
		Asset Management		
UCITS IV Directive	430099	Carmignac Gestion	1	
		Luxembourg S.A.		
UCITS IV Directive	430189	BNP Paribas Asset	1	
		Management		
UCITS IV Directive	436601	KBC Asset Management	1	
UCITS IV Directive	441407	Merchbanc, S.A. SGIIC	1	
UCITS IV Directive	446338	Candriam Luxembourg	1	
UCITS IV Directive	446551	East Capital Asset	1	
		Management		
		Aktiebolag		
UCITS IV Directive	451189	Lyxor Asset	1	
	51107	Management	1	
UCITS IV Directive	454261	Raiffeisen Kapitalanlage	1	
	404201	_	1	
	4(1001	GmbH	1	
UCITS IV Directive	461331	Societe Generale Asset	1	
		Management		
		Alternative Investments		
		SA		
UCITS IV Directive	461655	JPMorgan Asset	1	
		Management (Europe)		
		Sarl		
UCITS IV Directive	462307	State Street Global	1	
		Advisors France SA		
UCITS IV Directive	462365	Candriam France SAS	1	
UCITS IV Directive	464146	THEAM	1	
UCITS IV Directive	464960	Vontobel Asset	2	
		Management S.A.		
UCITS IV Directive	465672	Holberg	1	
	100072	Fondsforvaltning AS	•	
UCITS IV Directive	465759	Parex Asset	1	
	403737	Management	I	
UCITS IV Directive	468590	HSBC Global Asset	1	
OCITS IV Directive	408590		1	
LICITE IV Directive	44.0070	Management (France).		1
UCITS IV Directive	469278	Fund Partners Limited		I
UCITS IV Directive	469697	Skagen AS	1	
UCITS IV Directive	471093	Deutsche Asset	1	
		Management S.A		
UCITS IV Directive	477328	Architas Multi-Manager		1
	1	Limited		
UCITS IV Directive	477754	Auxense Gestion	1	
UCITS IV Directive	478778	Fundlogic	2	
UCITS IV Directive	479343	ROTHSCHILD ET CIE	1	
		GESTION		
UCITS IV Directive	486112	Leadenhall Capital		1
	1	Partners LLP		
UCITS IV Directive	492403	Clearance Capital LLP		1
UCITS IV Directive	494634	GT Finance SA	1	<u>'</u>
UCITS IV Directive	496316	Union Bancaire Gestion	1	
	70310	Institutionnelle	I	
UCITS IV Directive	497190	NGAM SA	1	
DOTTO IN DITECTIVE	47/170			I

UCITS IV Directive	504095	MW Gestion SA	1	
UCITS IV Directive	507858	DnB NOR	1	
		Kapitalforvaltning AS		
UCITS IV Directive	508995	Ecofi Investissements Plc	1	
UCITS IV Directive	509433	SCOR Global	1	
	510007	Investments SE		
UCITS IV Directive	510097	Tobam	1	
UCITS IV Directive	516501	Societe Generale Gestion	1	
UCITS IV Directive	518241	LGIM Corporate		1
		Director Limited		
UCITS IV Directive	522089	Groupama Asset	1	
		Management		
UCITS IV Directive	525723	Deutsche Asset	1	
		Management		
		Investment GmbH		
UCITS IV Directive	529105	H2O AM LLP		26
UCITS IV Directive	529482	Bestinver Gestion, S.A.	1	
		SGIIC		
UCITS IV Directive	530696	Covea Finance SAS	1	
UCITS IV Directive	536385	Ersel Gestion	1	
		Internationale SA		
UCITS IV Directive	543176	Oddo Meriten Asset	1	
		Management SA		
UCITS IV Directive	543563	Ossiam	1	
UCITS IV Directive	552349	La Banque Postale	1	
		Asset Management		
UCITS IV Directive	556636	Tikehau Investment	1	
		Management S.A.S		
UCITS IV Directive	563369	Tages Capital LLP		1
UCITS IV Directive	567266	Rivage Investment	1	
UCITS IV Directive	567739	Bankinter Gestion de	1	
		Activos SA, SGIIC		
UCITS IV Directive	569072	Seven Capital	1	
		Management		
UCITS IV Directive	571665	Flinvest	1	
UCITS IV Directive	571914	ISIS Asset Management	1	
UCITS IV Directive	580690	METROPOLE Gestion	1	
UCITS IV Directive	581950	Union Investment	1	
		Institutional GmbH		
UCITS IV Directive	586182	J.P. Morgan Mansart		2
		Management Limited		
UCITS IV Directive	598734	Islandssjodir hf	1	
UCITS IV Directive	605525	Eastspring Investments	1	
		(Luxembourg) S.A.		
UCITS IV Directive	606930	Axiom Alternative	2	
		Investments SARL		
UCITS IV Directive	607038	Orbis Investment	1	
		Management		
		(Luxembourg) SA		
UCITS IV Directive	607813	PERGAM	1	
UCITS IV Directive	608153	Tikehau Investment	1	
		Management		

UCITS IV Directive	608250	LCT Conital Dartmana	1	
UCITS IV Directive	608250	LGT Capital Partners	I	
LICITE IV Directive	(10(12	(Ireland) Limited		1
UCITS IV Directive	610612	Sarkis Limited	4	I
UCITS IV Directive	613211	EDM Gestion, S.A.,	1	
	(10.401	S.G.I.I.C.		4
UCITS IV Directive	613481	CM Investment		1
	(14000	Solutions Limited		
UCITS IV Directive	614990	Goldman Sachs Asset		2
		Management Global		
	(1504)	Services Limited	4	
UCITS IV Directive	615346	CM-CIC Asset	1	
	(00015	Management	1	
UCITS IV Directive	623015	Petercam Institutional	1	
	(00740	Asset Management	1	
UCITS IV Directive	623748	Nomura Asset	1	
		Management		
	(04004	Deutschland KAG mbH	1	
UCITS IV Directive	624331	Longchamp Asset	1	
	(0(07)	Management	1	
UCITS IV Directive	626876	Meriten Investment	1	
	(07700	Management GmbH		
UCITS IV Directive	627739	Notz, Stucki Europe	1	
	(100 10	S.A.		
UCITS IV Directive	648913	Societe Generale	1	
		Private Wealth		
	(10000	Management S.A		
UCITS IV Directive	648922	Raiffeisen Kapitalanlage	1	
		Gesellschaft m.b.H		
	(5000.4		1	
UCITS IV Directive	659904	Commerz Funds	1	
	((1000	Solutions. S.A		
UCITS IV Directive	661993	LUTETIA CAPITAL	1	
UCITS IV Directive	667457	SphereInvest Group	1	
	(700.40	Limited	1	
UCITS IV Directive	670042	La Francaise AM	1	
	(71100	International	1	
UCITS IV Directive	671130	ROUVIER ASSOCIES	1	
UCITS IV Directive	677178	WISEAM	1	
UCITS IV Directive	677263	PERGAM	1	
UCITS IV Directive	683338	Twenty First Capital	1	
UCITS IV Directive	695097	Renta 4 Gestora,	1	
	(SGIIC, S.A.		
UCITS IV Directive	697849	Edmond de Rothschild	1	
		Asset Management		
		(France)		
UCITS IV Directive	706360	GAM Management hf.	1	
UCITS IV Directive	715445	Generali Investments	1	
		Europe SGR SpA		
UCITS IV Directive	724647	JPMORGAN GESTION,	1	
		SGIIC, S.A.		
UCITS Management	122491	Santander Asset		1
Directive		Management UK		
		Limited		
UCITS Management	206721	Natixis Asset	1	
Directive		Management		

UCITS Management	208634	Eaton Vance		1
Directive		Management		
		(International) Limited		
UCITS Management	440132	Sanlam Asset	1	
Directive		Management (Ireland)		
		Ltd		
UCITS Management	446338	Candriam Luxembourg	1	
Directive				
UCITS Management	473712	Square Capital LLP		2
Directive				
UCITS Management	477328	Architas Multi-Manager		1
Directive		Limited		
UCITS Management	529105	H2O AM LLP		1
Directive				
UCITS Management	578582	LGT Capital Partners	1	
Directive		(FL) Ltd		
UCITS Management	581950	Union Investment	1	
Directive		Institutional GmbH		
UCITS Management	589785	Lyxor International	1	
Directive		Asset Management		
UCITS Management	589925	Mandarine Gestion	1	
Directive				