

Class of Instrument	Equities-Shares Depository Receipts band 5-6				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
7LTFWZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	53,4%	64,8%	N/A	N/A	0,0%
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	33,5%	24,3%	N/A	N/A	0,0%
BFM8T61CT2L1QCCEMIK50 UBS AG	9,5%	9,7%	N/A	N/A	0,0%
549300SXSTGQY3EA1B18 RBC Capital Markets (Europe) GmbH	2,1%	0,3%	N/A	N/A	0,0%
GGDZP1UYGU9STUHRDP48 Merrill Lynch International	0,6%	0,1%	N/A	N/A	0,0%

Class of Instrument	Equities-Shares Depository Receipts band 3-4				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	80,2%	81,6%	N/A	N/A	0,0%
BFM8T61CT2L1QCCEMIK50 UBS AG	7,2%	5,8%	N/A	N/A	0,0%
7LTFWZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	6,6%	8,4%	N/A	N/A	0,0%
549300SXSTGQY3EA1B18 RBC Capital Markets (Europe) GmbH	1,9%	0,2%	N/A	N/A	0,0%
549300QJX6CVVUXLE15 RBC Dominion Securities Inc.	1,9%	3,8%	N/A	N/A	0,0%

Class of Instrument	Equities-Shares Depository Receipts band 1-2				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	54,9%	78,9%	N/A	N/A	0,0%
BFM8T61CT2L1QCCEMIK50 UBS AG	34,4%	10,0%	N/A	N/A	0,0%
549300SXSTGQY3EA1B18 RBC Capital Markets (Europe) GmbH	3,4%	0,3%	N/A	N/A	0,0%
549300QJX6CVVUXLE15 RBC Dominion Securities Inc.	2,7%	9,1%	N/A	N/A	0,0%
GGDZP1UYGU9STUHRDP48 Merrill Lynch International	2,5%	0,1%	N/A	N/A	0,0%

Class of Instrument	Debt Instruments-Bonds				
Notification if <1 average trade per business day in the previous year	Y				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BFM8T61CT2L1QCEMIK50 UBS AG	82,4%	86,0%	N/A	N/A	0,0%
784F5XWPLTWKTBV3E584 The Goldman Sachs Group, Inc.	9,7%	5,1%	N/A	N/A	0,0%
O2RNE8IBXP4R0TD8PU41 Societe Generale	3,6%	3,7%	N/A	N/A	0,0%
7LTWFZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	3,0%	2,2%	N/A	N/A	0,0%
4PQUHN3JPFGNF3BB653 Morgan Stanley & CO. International PLC	0,8%	0,7%	N/A	N/A	0,0%

Class of Instrument	Structured Finance Instruments				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BFM8T61CT2L1QCEMIK50 UBS AG	43,7%	68,0%	N/A	N/A	0,0%
2IGI19DL77OX0HC3ZE78 Canadian Imperial Bank of Commerce	15,3%	7,5%	N/A	N/A	0,0%
959800TMGPWX7NYM4R72 Credit Suisse Securities Sociedad De Valores S A	11,3%	0,2%	N/A	N/A	0,0%
7245009KRYSA82QCC29 Optiver V.O.F.	4,3%	2,0%	N/A	N/A	0,0%
635400IAV22ZOU1NFS89 Susquehanna International Securities Limited	3,8%	0,1%	N/A	N/A	0,0%

Class of Instrument	Equity Derivatives-Options and Futures				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BFM8T61CT2L1QCEMIK50 UBS AG	100,0%	99,8%	N/A	N/A	0,0%
7LTWFZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	0,0%	0,1%	N/A	N/A	0,0%
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	0,0%	0,1%	N/A	N/A	0,0%

Class of Instrument	Securitized Derivatives-Warrants and Certificate Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	94,8%	64,7%	N/A	N/A	0,0%
7LTWFZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	4,2%	18,8%	N/A	N/A	0,0%
549300QJX6CVVUXLE15 RBC Dominion Securities Inc.	0,5%	5,9%	N/A	N/A	0,0%
BFM8T61CT2L1QCEMIK50 UBS AG	0,5%	10,6%	N/A	N/A	0,0%

Class of Instrument	Securitized Derivatives-Other Securitized Derivatives				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
7LTFWFZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	94,9%	70,6%	N/A	N/A	0,0%
BFM8T61CT2L1QCEMIK50 UBS AG	5,1%	29,0%	N/A	N/A	0,0%
549300QJJX6CVVUXLE15 RBC Dominion Securities Inc.	0,1%	0,4%	N/A	N/A	0,0%

Class of Instrument	Exchange traded products-Exchange traded funds				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
549300CLJI9XDH12XV51 Flow Traders B.V.	51,0%	1,4%	N/A	N/A	0,0%
7LTFWFZYICNSX8D621K86 Deutsche Bank Aktiengesellschaft	19,2%	63,7%	N/A	N/A	0,0%
549300ZHEHX8M31RP142 Jane Street Financial Limited	8,6%	2,4%	N/A	N/A	0,0%
BFM8T61CT2L1QCEMIK5 UBS AG	7,3%	25,8%	N/A	N/A	0,0%
635400IAV22ZOU1NFS89 Susquehanna International Securities Limited	4,7%	1,0%	N/A	N/A	0,0%

Class of Instrument	Other Instruments - Other Instruments				
Notification if <1 average trade per business day in the previous year	Y				
Top 5 Brokers ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
213800EEC95PRUCEUP63 VIRTU ITG Europe Limited	94,3%	97,0%	N/A	N/A	0,0%
BFM8T61CT2L1QCEMIK50 UBS AG	5,7%	3,0%	N/A	N/A	0,0%