Table 1 Broker							
Туре	Professional						
Class of Instrument	Equities - Shares and Depositary Receipts						
Notification if <1 average trade per business							
day in the previous year	N						
	Proportion of volume traded as	Proportion of orders executed		Percentage of			
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of		
trading volumes (descending order)	class	class	passive orders	orders	directed orders		
Cowen executions services	42.64	22.40	21.22	70.67	0.00		
(213800SS94VGJTFLIG64)	43.64	22.10	21.33	78.67	0.00		
Instinet Europe Limited	22.02	75.40	0.00	100.00	0.00		
(213800MXAKR2LA1VBM44)	22.83	75.19	0.00	100.00	0.00		
Mirabaud Securities Limited	2.56	1.05	0.00	100.00	0.00		
(2138008Z5T61L1ZDWV35)	3.56	1.95	0.00	100.00	0.00		
Canaccord Genuity Ltd	0.00	0.03	F0 00	F0 00	0.00		
(ZBU7VFV5NIMN4ILRFC23)	0.09	0.02	50.00	50.00	0.00		
Stifel Nicolaus Europe Ltd	0.06	0.11	0.00	100.00	0.00		
(213800BVEFNZ8UYPKL03)	0.06	0.11	0.00	100.00	0.00		

Table 2 Broker							
Туре	Professional						
Class of Instrument	Equities - Shares and Depositary Receipts: Tick size liquidity bands 1 and 2						
Notification if <1 average trade per business							
day in the previous year	N						
	Proportion of volume traded as	Proportion of orders executed		Percentage of			
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of		
trading volumes (descending order)	class	class	passive orders	orders	directed orders		
Instinet Europe Limited	40.60	20.44	12.11	07.00	0.00		
(213800MXAKR2LA1VBM44)	48.69	29.44	12.11	87.89	0.00		
Cowen executions services	20.47	62.40	F 4 0 C	45.44	0.00		
(213800SS94VGJTFLIG64)	28.17	62.19	54.86	45.14	0.00		
Mirabaud Securities Limited	17.50	F 24	42.42	06.50	0.00		
(2138008Z5T61L1ZDWV35)	17.59	5.21	13.42	86.58	0.00		

Canaccord Genuity Ltd (ZBU7VFV5NIMN4ILRFC23)	2.19	0.72	64.41	35.59	0.00
Winterfloods Securities (8BRUP6V1DX3PIG2R0745)	0.28	0.04	100.00	0.00	0.00

Table 3 Broker							
Туре	Professional						
Class of Instrument	Equities - Shares and Depositary Receipts: Tick size liquidity bands 3 and 4						
Notification if <1 average trade per business							
day in the previous year	N						
	Proportion of volume traded as	Proportion of orders executed		Percentage of			
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of		
trading volumes (descending order)	class	class	passive orders	orders	directed orders		
Cowen executions services	24.50	24.40	20.27	70.62	0.00		
(213800SS94VGJTFLIG64)	24.59	24.48	20.37	79.63	0.00		
Instinet Europe Limited	44.27	7.22	10.53	00.40	0.00		
(213800MXAKR2LA1VBM44)	11.27	7.22	10.52	89.48	0.00		
Stifel Nicolaus Europe Ltd	10.04	7.54	16.20	02.62	0.00		
(213800BVEFNZ8UYPKL03)	10.84	7.51	16.38	83.62	0.00		
Autonomous Research LLP	10.00	16.77	22.06	67.04	0.00		
(213800LBM6PT85IGM996)	10.06	16.77	32.96	67.04	0.00		
Canaccord Genuity Ltd	0.57	5.50	20.22	64.67	0.00		
(ZBU7VFV5NIMN4ILRFC23)	8.57	5.56	38.33	61.67	0.00		

Table 4 Broker							
Туре	Professional						
Class of Instrument	<b>Equities - Shares and Depositar</b>	Equities - Shares and Depositary Receipts: Tick size liquidity bands 5 and 6					
Notification if <1 average trade per business							
day in the previous year	N						
	Proportion of volume traded as	Proportion of orders executed		Percentage of			
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of		
trading volumes (descending order)	class	class	passive orders	orders	directed orders		
Cowen executions services	20.26	40.54	44.02	F0 47	0.00		
(213800SS94VGJTFLIG64)	30.26	18.51	41.83	58.17	0.00		

Instinet Europe Limited (213800MXAKR2LA1VBM44)	20.14	18.21	35.12	64.88	0.00
Mirabaud Securities Limited (2138008Z5T61L1ZDWV35)	11.26	11.30	30.50	69.50	0.00
Autonomous Research LLP (213800LBM6PT85IGM996)	7.85	15.84	66.91	33.09	0.00
Stifel Nicolaus Europe Ltd (213800BVEFNZ8UYPKL03)	7.74	7.49	29.64	70.36	0.00

Table 5 Broker							
Туре	Professional						
Class of Instrument	Exchange Traded Products (Exchange Traded Funds, Exchange Traded Notes and Exchange Traded Commodities)						
Notification if <1 average trade per business							
day in the previous year	N						
	Proportion of volume traded as	Proportion of orders executed		Percentage of			
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of		
trading volumes (descending order)	class	class	passive orders	orders	directed orders		
Mirabaud Securities Limited	02.02	75.05	47.55	02.45	0.00		
(2138008Z5T61L1ZDWV35)	82.93	75.05	17.55	82.45	0.00		
Cowen executions services	10.00	0.05	0.00	100.00	0.00		
(213800SS94VGJTFLIG64)	10.00	0.05	0.00	100.00	0.00		
Canaccord Genuity Ltd	4.75	14.24	100.00	0.00	0.00		
(ZBU7VFV5NIMN4ILRFC23)	1.75	14.21	100.00	0.00	0.00		
Autonomous Research LLP	1.62	0.05	0.00	100.00	0.00		
(213800LBM6PT85IGM996)	1.63	0.05	0.00	100.00	0.00		
Instinet Europe Limited	1 22	C 9C	7.07	02.02	0.00		
(213800MXAKR2LA1VBM44)	1.22	6.86	7.97	92.03	0.00		

Table 6 Broker				
Type	Professional			
Class of Instrument	Other Instruments			
Notification if <1 average trade per business				
day in the previous year	N			

## Classified as Internal

	Proportion of volume traded as	Proportion of orders executed		Percentage of	
Top five execution venues ranked in terms of	a percentage of total in that	as a percentage of total in that	Percentage of	aggressive	Percentage of
trading volumes (descending order)	class	class	passive orders	orders	directed orders
Instinet Europe Limited (213800MXAKR2LA1VBM44)	56.74	39.18	22.57	77.43	0.00
Cowen executions services (213800SS94VGJTFLIG64)	29.88	58.19	44.12	55.88	0.00
Mirabaud Securities Limited (2138008Z5T61L1ZDWV35)	12.55	2.00	0.00	100.00	0.00