

MAINFIRST



# RTS REPORT 2020 | 1

MAINFIRST AFFILIATED  
FUND MANAGERS  
(DEUTSCHLAND) GMBH

2020

Version 1.0

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| SVYOKHTJZBP60K295346  | 49.923432  | 13.348377  | 0                            | 100                             | 0                             |
| K6Q0W1PS1L1O4IQL9C32  | 30.048379  | 67.210554  | 81.559917                    | 18.440083                       | 0                             |
| JPXA  | 14.319834  | 1.319215   | 0                            | 100                             | 0                             |
| GSFO  | 4.691334   | 17.87884   | 89.708738                    | 10.291262                       | 0                             |
| 7H6GLXDRUGQFU57RNE97  | 0.86178  | 0.0694319999999999   | 0                            | 100                             | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| XK2Z2JF41MRHTR1V493   | 44.149148  | 7.627476   | 0                            | 100                             | 0                             |
| K6Q0W1PS1L1O4IQL9C32  | 5.146878   | 7.753898   | 0                            | 98.913043                       | 0                             |
| 549300FH0WJAPETHIQ77  | 3.448569   | 6.15255  | 0                            | 99.315068                       | 0                             |
| S5THZMDUJCTQZBTRV198  | 3.369333   | 5.941846   | 0                            | 100                             | 0                             |
| 549300W0IFUSNYH0FL22  | 3.348524   | 6.405394   | 0                            | 100                             | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | Y  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| NOLAFI  | 93.848556  | 85.714286  | N/A                          | N/A                             | N/A                           |
| BNPFI   | 6.151444   | 14.285714  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts                          |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts                          |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| DZPBF0  | 54.076957  | 0.8829   | 0                            | 100                             | 0                             |
| 549300772UJAHRD6LO53  | 17.162928  | 39.767658  | 0.888058                     | 99.111942                       | 0                             |
| K6Q0W1PS1L1O4IQL9C32  | 6.872729   | 30.604089  | 0                            | 100                             | 0                             |
| DZPB  | 6.065904   | 0.418216   | 0                            | 100                             | 0                             |
| KEP   | 5.548517   | 13.364312  | 100                          | 0                               | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts                          |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| 549300FH0WJAPETHQ77   | 16.867678  | 22.164189  | 85.366781                    | 14.633219                       | 0                             |
| 549300W0IFUNYH0FL22   | 10.886406  | 2.20294  | 0                            | 100                             | 0                             |
| 549300FUJAOED27T8B38  | 9.680365   | 21.709279  | 75.688785                    | 24.311215                       | 0                             |
| LNTX  | 8.533668   | 0.05897  | 0                            | 100                             | 0                             |
| S5THZMDUJCTQZBTRV198  | 5.784236   | 9.873215   | 60.409556                    | 39.590444                       | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| 549300FUIA0ED27T8B38  | 22.043064  | 36.662001  | 80.12324599999999            | 19.876754                       | 0                             |
| 549300FHOWJAPETHIQ77  | 16.568469  | 17.847846  | 80.875069                    | 19.124931                       | 0                             |
| 549300W0IFUSNYH0FL22  | 13.031269  | 2.089779   | 0                            | 100                             | 0                             |
| KEPI  | 5.88473  | 9.036884000000001  | 34.266304                    | 65.73369599999999               | 0                             |
| 54930049G8W0500USD19  | 5.078479   | 8.820785000000001  | 58.532851                    | 41.467149                       | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| 549300FUIA0ED27T8B38  | 10.631017  | 14.44415   | 78.565044                    | 21.434956                       | 0                             |
| 54930049G8W0500USD19  | 7.915322   | 9.653558   | 60.198515                    | 39.801485                       | 0                             |
| 549300FHOWJAPETHIQ77  | 7.279161   | 13.261367  | 87.811627                    | 12.188373                       | 0                             |
| 549300W0IFUSNYH0FL22  | 7.103433   | 1.558582   | 0                            | 100                             | 0                             |
| ATEQ  | 7.049266   | 6.284615   | 73.12932499999999            | 26.870675                       | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Futures and Options Admitted to Trading on a Trading Venue |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Futures and Options Admitted to Trading on a Trading Venue |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | Y  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| 549300FUJAOED27T8B38  | 59.362943  | 84.615385  | 0                            | 100                             | 0                             |
| K6Q0W1PS1L1O4IQL9C32  | 40.637057  | 15.384615  | 0                            | 100                             | 0                             |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Futures and Options Admitted to Trading on a Trading Venue |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Swaps and Other Equity Derivatives             |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Swaps and Other Equity Derivatives             |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| K6Q0W1PS1L1O4IQL9C32  | 78.00045900000001  | 89.838313  | 83.476834                    | 16.523166                       | 0                             |
| GSFO  | 11.066351  | 6.688656   | 87.85346999999999            | 12.144653                       | 0                             |
| JPXA  | 7.636783   | 2.513258   | 6.484817                     | 93.51518299999999               | 0                             |
| SVYQKHTJZBP6QK295346  | 2.402341   | 0.084077   | 0                            | 100                             | 0                             |
| 549300FUJAOED27T8B38  | 0.89372  | 0.874402   | 53.994083                    | 46.005917                       | 0                             |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equity Derivatives: Swaps and Other Equity Derivatives             |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail  |  |                              |                                 |                               |
| 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/A   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | 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   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| CSSLT   | 26.551644   | 11.420613  | 0                            | 100                             | 0                             |
| BTIGHT  | 19.252931   | 16.713092  | 0                            | 100                             | 0                             |
| BARCLT  | 9.769197999999999   | 7.799443   | 0                            | 100                             | 0                             |
| 549300WOFUSNYH0FL22   | 8.261964000000001   | 3.62117  | 0                            | 100                             | 0                             |
| 549300FUAIOED27T8B38  | 7.595516  | 16.713092  | 56.666667                    | 43.333333                       | 0                             |

| Table 3 Broker  |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT   |  |                              |                                 |                               |
| 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/A   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Interest Rate Derivatives: Swaps, Forwards and other Interest Rate Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Interest Rate Derivatives: Swaps, Forwards and other Interest Rate Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| K6Q0W1P5L1L04IQL9C32  | 99.33629500000001  | 99.445166  | 78.56747900000001            | 21.432521                       | 0                             |
| 549300FUAIOED27T8B38  | 0.616821   | 0.484855   | 69.072165                    | 30.927835                       | 0                             |
| GSFO  | 0.046885   | 0.069979   | 100                          | 0                               | 0                             |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Broker  |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Interest Rate Derivatives: Swaps, Forwards and other Interest Rate Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class             | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| FXGO  | 79.942196  | 92.447552  | 0                            | 79.27382799999999               | 0                             |
| Manual  | 20.053831  | 7.272727   | 0                            | 100                             | 0                             |
| SVYOKHTJZBP6OK295346  | 0.003973   | 0.27972  | 0                            | 100                             | 0                             |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Currency Derivatives: Swaps, Forwards and Other Currency Derivatives |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class   | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| BMTF  | 75.585992  | 80.7196200000001   | 0                            | 8.074012                        | 0                             |
| XOFF  | 10.943104  | 1.357773   | 0                            | 100                             | 0                             |
| MAEL  | 6.309652   | 8.893414999999999  | 0                            | 77.099237                       | 0                             |
| BTFE  | 5.156889   | 5.634759   | 0                            | 9.638553999999999               | 0                             |
| MANL  | 1.382234   | 2.511881   | 0                            | 43.243243                       | 0                             |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Bonds  |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | Y  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| BMTF  | 100  | 100  | 0                            | 8.333333                        | 0                             |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Debt Instruments: Money Markets                                    |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | Y  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| BGSI  | 63.689581  | 31.25  | 0                            | 100                             | 0                             |
| JPSI  | 30.992519  | 35   | 0                            | 100                             | 0                             |
| BATF  | 3.029934   | 10   | 0                            | 100                             | 0                             |
| CGMT  | 1.58657  | 1.25   | 0                            | 100                             | 0                             |
| XVTX  | 0.550909   | 7.5  | 0                            | 100                             | 0                             |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 1 and 2 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| BGSI  | 41.084767  | 11.212121  | 0                            | 100                             | 0                             |
| JPSI  | 40.356148  | 29.393939  | 0                            | 100                             | 0                             |
| BATF  | 15.206635  | 4.848485   | 0                            | 100                             | 0                             |
| OTCM  | 1.558342   | 0.606061   | 0                            | 100                             | 0                             |
| XETA  | 0.583858   | 16.363636  | 0                            | 100                             | 0                             |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 3 and 4 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |



| Table 2 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Professional   |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| JPSI  | 37.378955  | 12.018141  | 0                            | 100                             | 0                             |
| BATF  | 24.26061   | 12.018141  | 0                            | 100                             | 0                             |
| BGSI  | 19.20743   | 4.081633   | 0                            | 100                             | 0                             |
| XETR  | 6.0318   | 7.256236   | 0                            | 100                             | 0                             |
| MLSI  | 5.585091   | 0.680272   | 0                            | 100                             | 0                             |

| Table 3 Venue   |  |  |                              |                                 |                               |
|---|--|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT  |  |                              |                                 |                               |
| Class of Instrument   | Equities - Shares and Depository Receipts: Tick size liquidity bands 5 and 6 |  |                              |                                 |                               |
| Notification if <1 average trade per business day in the previous year          | N/A  |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class           | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A  | N/A  | N/A                          | N/A                             | N/A                           |

| Table 1 Venue   |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | Retail  |  |                              |                                 |                               |
| 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/A   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |

| Table 2 Venue   |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | 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          | Y   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| BMTF  | 100   | 100  | 0                            | 50                              | 0                             |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |

| Table 3 Venue   |   |  |                              |                                 |                               |
|---|---|--|------------------------------|---------------------------------|-------------------------------|
| Type  | SFT   |  |                              |                                 |                               |
| 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/A   |  |                              |                                 |                               |
| Top five execution venues ranked in terms of trading volumes (descending order) | Proportion of volume traded as a percentage of total in that class                                      | Proportion of orders executed as a percentage of total in that class | Percentage of passive orders | Percentage of aggressive orders | Percentage of directed orders |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |
| Name and Venue Identifier (MIC or LEI)  | N/A   | N/A  | N/A                          | N/A                             | N/A                           |