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100.00	77.91	8.62	11.75	1.72

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Citadel Securities LLC (CDRG)	37.49	44.95	54.60	10.69	73.53	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
VIRTU Americas, LLC (NITE)	22.51	27.39	35.58	6.88	5.88	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
Jane Street Capital, LLC (JNST)	14.35	19.57	4.91	4.35	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
NASDAQ Execution Services, LLC (NSDQ)	12.39	0.00	3.07	48.37	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
New York Stock Exchange (NYSE)	5.19	0.00	0.61	20.47	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	3.28	4.56	1.23	0.72	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
Cboe EDGX US Equities Exchange (EDGX)	2.00	0.00	0.00	7.97	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
Two Sigma Securities, LLC (SOHO)	1.64	2.28	0.00	0.36	2.94	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
UBS Securities, LLC (UBSS)	1.05	1.24	0.00	0.18	11.76	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000

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Instinet BlockCross (BLKX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Two Sigma Securities, LLC (SOHO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

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100.00	43.48	4.35	52.17	0.00

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Citadel Securities LLC (CDRG)	40.24	53.33	66.67	30.61	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	
Susquehanna Capital Group (SUSQ)	21.95	33.33	0.00	16.33	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	
Wolverine Execution Services LLC (WEXX)	18.29	0.00	0.00	30.61	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	
Dash Financial Technologies LLC (DASH)	13.41	3.33	33.33	18.37	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	
Morgan Stanley & Company LLC (MSCO)	6.10	10.00	0.00	4.08	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	

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Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Susquehanna Capital Group (SUSQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Wolverine Execution Services LLC (WEXX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Dash Financial Technologies LLC (DASH):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Morgan Stanley & Company LLC (MSCO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

VIRTU Americas, LLC (NITE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Jane Street Capital, LLC (JNST):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NASDAQ Execution Services, LLC (NSDO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

New York Stock Exchange (NYSE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

G1 Execution Services, LLC (ETMM):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Cboe EDGX US Equities Exchange (EDGX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Two Sigma Securities, LLC (SOHO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

UBS Securities, LLC (UBSS):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Members Exchange (MEMX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

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100.00	81.13	4.47	13.13	1.27

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Citadel Securities LLC (CDRG)	34.70	44.11	43.56	5.21	23.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
VIRTU Americas, LLC (NITE)	19.79	25.07	25.74	2.33	20.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000
Jane Street Capital, LLC (JNST)	16.35	21.01	15.84	3.77	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0.0000

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INTELLIGENT CROSS LLC (INCR)	4.26	0.00	0.00	0.00	12.34	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Cboe EDGX US Equities Exchange (EDGX)	4.18	0.00	0.00	19.42	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE Arca (ARCA)	3.79	0.00	2.13	16.23	0.74	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	3.69	0.00	2.13	0.00	10.58	0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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100.00	13.92	5.06	81.01	0.00

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Citadel Securities LLC (CDRG)	43.00	81.82	0.00	40.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Services LLC (WEXX)	20.00	0.00	0.00	23.53	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Dash Financial Technologies LLC (DASH)	19.00	9.09	25.00	20.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna Capital Group (SUSQ)	17.00	9.09	75.00	15.29	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	1.00	0.00	0.00	1.18	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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Citadel Securities LLC (CDRG):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Wolverine Execution Services LLC (WEXX):
[Insert discussions of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Dash Financial Technologies LLC (DASH):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Susquehanna Capital Group (SUSQ):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Morgan Stanley & Company LLC (MSCO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

National Financial Services (NFS), our clearing firm, has prepared this report for UnionBanc Investment Services LLC (UBIS) pursuant to U.S Securities and Exchange Commission Rule 606 which requires broker-dealer firms to make publicly available quarterly reports on their routing practices. This report provides information on the routing of "non-directed orders," which are any orders that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders, UBIS transmits all customer orders to NFS, and NFS