

Table S1. NPS specimens with co-infection of two or more viruses. The simultaneously detected targets by Allplex RP 1, 2, 3, and BioFire FilmArray RP assays are shown.

| NPS specimen no. | Allplex RP 1,2,3 | Ct value | Biofire FilmArray RP |
|------------------|--|--|---------------------------|
| 1 | AdV PIV-2 HEV HRV | Ct:17.93 Ct:22.42 Ct:37.04 Ct:39.35 | AdV PIV-2 |
| 8 | AdV HRV | Ct:19.10 Ct:38.24 | AdV |
| 9 | PIV-3 HBoV-1/2/3/4 | Ct:20.29 Ct:41.32 | PIV-3 |
| 12 | HBoV-1/2/3/4 HEV HRV | Ct:26.16 Ct:22.87 Ct:38.03 | HEV/HRV |
| 23 | AdV HBoV-1/2/3/4 | Ct:22.35 Ct:41.74 | AdV |
| 24 | PIV-4 HEV HRV | Ct:21.31 Ct:22.05 Ct:28.46 | PIV-4 HEV/HRV |
| 31 | AdV HEV | Ct:21.54 Ct:36.81 | AdV |
| 37 | HRV HEV | Ct:28.45 Ct:36.31 | HEV/HRV |
| 38 | HEV HRV PIV-4 HBoV-1/2/3/4 | Ct:37.77 Ct:29.7 Ct:22.13 Ct:36.99 | HEV/HRV PIV-4 PIV-3 |
| 44 | HEV HRV AdV HBoV-1/2/3/4 PIV-4 | Ct:38.35 Ct:26.44 Ct:31.68 Ct:32.39 Ct:35.23 | HEV/HRV AdV |
| 49 | HRV HBoV-1/2/3/4 | Ct:41.01 Ct:40.01 | |
| 50 | HRV PIV-1 | Ct:25.59 Ct:37.84 | HEV/HRV |
| 51 | AdV HRV | Ct:20.75 Ct:30.99 | AdV HEV/HRV |
| 63 | AdV | Ct:16.26 | AdV |

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| | PIV-4 HRV | Ct:37.38 Ct:36.57 | |
| 67 | AdV HRV | Ct:16.76 Ct:34.45 | AdV HEV/HRV |
| 69 | AdV HRV PIV-1 | Ct:15.15 Ct:32.97 Ct:39.45 | AdV HEV/HRV |
| 70 | AdV HRV | Ct:38.49 Ct:21.46 | HEV/HRV |
| 78 | HEV HRV PIV-1 | Ct:38.92 Ct:24.71 Ct:41.34 | HEV/HRV |
| 81 | AdV HEV | Ct:36.96 Ct:37.87 | AdV |
| 88 | HEV HRV | Ct:22.23 Ct:28.51 | HEV/HRV |
| 92 | AdV HRV RSV-A | Ct:18.97 Ct:27.46 Ct:40.29 | AdV HEV/HRV |
| 100 | AdV HRV HBoV-1/2/3/4 | Ct:16.87 Ct:33.98 Ct:38.62 | AdV HEV/HRV |
| 108 | PIV-1 RSV-B HRV | Ct:36.86 Ct:29.77 Ct:36.64 | PIV-1 RSV-A/RSV-B |
| 115 | AdV HRV HBoV-1/2/3/4 | Ct:14.67 Ct:25.88 Ct:39.13 | AdV HEV/HRV |
| 116 | FluA FluA (H1pdm09) | Ct:26.76 Ct:21.14 | FluA (H1-2009) |
| 117 | HEV HRV HBoV-1/2/3/4 | Ct:32.47 Ct:30.08 Ct:34.50 | HEV/HRV |
| 119 | AdV HRV | Ct:19.33 Ct:39.72 | AdV |
| 120 | HEV HRV PIV-2 | Ct:38.97 Ct:35.90 Ct:37.00 | |
| 123 | HRV AdV | Ct:32.01 Ct:41.38 | AdV |

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| 127 | PIV-2 HRV AdV | Ct:38.84 Ct:31.65 Ct:41.25 | |
| 135 | FluA FluA (H1pdm09) | Ct:33.42 Ct:30.35 | FluA FluA (H1-2009) AdV |
| 136 | AdV HRV | Ct:29.63 Ct:24.35 | AdV HEV/HRV |
| 140 | HRV HEV | Ct:33.58 Ct:33.90 | |
| 143 | RSV-B | Ct:24.80 | RSV-A/RSV-B AdV |
| 145 | HRV RSV-A AdV | Ct:40.20 Ct:20.29 Ct:38.63 | RSV-A/RSV-B AdV |
| 146 | PIV-2 HRV AdV | Ct:37.44 Ct:34.76 Ct:41.02 | |
| 154 | HRV HEV | Ct:33.20 Ct:35.39 | HEV/HRV |
| 157 | PIV-3 HRV | Ct:37.97 Ct:34.95 | HEV/HRV |
| 160 | HRV HEV | Ct:35.53 Ct:37.36 | |
| 161 | HRV AdV | Ct:27.16 Ct:18.77 | HEV/HRV AdV |
| 162 | HRV HEV AdV | Ct:25.23 Ct:36.22 Ct:35.26 | HEV/HRV AdV |
| 177 | HRV HEV | Ct:36.21 Ct:36.23 | PIV-1 |

The red text indicates the targets that were only detected by one RP assay.