Supporting Tables ANOVA

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2024-04-19

## Results of three-way ANOVA

Supporting Table. Results of three-way ANOVA for the Acute dataset on IgG data.

| Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- |
| status | 2 | 3,885 | 354.34 | 0.00 | \* | 0.15 |
| childhoodImmuAge | 1 | 3,885 | 465.64 | 0.00 | \* | 0.11 |
| analyte | 14 | 3,885 | 23.96 | 0.00 | \* | 0.08 |
| status:childhoodImmuAge | 2 | 3,885 | 0.07 | 0.93 |  | 0.00 |
| status:analyte | 28 | 3,885 | 7.08 | 0.00 | \* | 0.05 |
| childhoodImmuAge:analyte | 14 | 3,885 | 8.85 | 0.00 | \* | 0.03 |
| status:childhoodImmuAge:analyte | 28 | 3,885 | 1.60 | 0.02 | \* | 0.01 |

Supporting Table. Results of three-way ANOVA for the Acute dataset on IgM data.

| Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- |
| status | 2 | 3,720 | 53.25 | 0.00 | \* | 0.03 |
| childhoodImmuAge | 1 | 3,720 | 145.84 | 0.00 | \* | 0.04 |
| analyte | 14 | 3,720 | 101.06 | 0.00 | \* | 0.28 |
| status:childhoodImmuAge | 2 | 3,720 | 6.00 | 0.00 | \* | 0.00 |
| status:analyte | 28 | 3,720 | 7.37 | 0.00 | \* | 0.05 |
| childhoodImmuAge:analyte | 14 | 3,720 | 1.31 | 0.19 |  | 0.00 |
| status:childhoodImmuAge:analyte | 28 | 3,720 | 1.01 | 0.45 |  | 0.01 |

Supporting Table. Results of three-way ANOVA for the Epi dataset on IgG data.

| Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- |
| status | 2 | 11,055 | 971.00 | 0.00 | \* | 0.15 |
| childhoodImmuAge | 1 | 11,055 | 1,510.83 | 0.00 | \* | 0.12 |
| analyte | 14 | 11,055 | 131.68 | 0.00 | \* | 0.14 |
| status:childhoodImmuAge | 2 | 11,055 | 0.70 | 0.50 |  | 0.00 |
| status:analyte | 28 | 11,055 | 33.43 | 0.00 | \* | 0.08 |
| childhoodImmuAge:analyte | 14 | 11,055 | 74.35 | 0.00 | \* | 0.09 |
| status:childhoodImmuAge:analyte | 28 | 11,055 | 2.07 | 0.00 | \* | 0.00 |

Supporting Table. Results of three-way ANOVA for the Epi dataset on IgM data.

| Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- |
| status | 2 | 11,385 | 99.14 | 0.00 | \* | 0.02 |
| childhoodImmuAge | 1 | 11,385 | 332.14 | 0.00 | \* | 0.03 |
| analyte | 14 | 11,385 | 278.38 | 0.00 | \* | 0.26 |
| status:childhoodImmuAge | 2 | 11,385 | 1.34 | 0.26 |  | 0.00 |
| status:analyte | 28 | 11,385 | 3.22 | 0.00 | \* | 0.01 |
| childhoodImmuAge:analyte | 14 | 11,385 | 3.14 | 0.00 | \* | 0.00 |
| status:childhoodImmuAge:analyte | 28 | 11,385 | 1.18 | 0.24 |  | 0.00 |

## Simple main effects for the difference between the three serostatuses (pre, MVA, Mpox)

Supporting Table. Simple main effects for the difference between the three serostatuses (pre, MVA, Mpox) in depence on the antigen on the Acute dataset using IgG data.

| childhoodImmuAge | analyte | Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | status | 2 | 81 | 27.28 | 0.00 | \* | 0.40 |
| Yes | A29L | status | 2 | 81 | 13.90 | 0.00 | \* | 0.26 |
| Yes | L1R | status | 2 | 81 | 9.51 | 0.00 | \* | 0.19 |
| Yes | M1R | status | 2 | 81 | 11.82 | 0.00 | \* | 0.23 |
| Yes | D8L | status | 2 | 81 | 15.46 | 0.00 | \* | 0.28 |
| Yes | E8L | status | 2 | 81 | 11.77 | 0.00 | \* | 0.22 |
| Yes | H3L | status | 2 | 81 | 9.80 | 0.00 | \* | 0.20 |
| Yes | A33R | status | 2 | 81 | 5.48 | 0.01 | \* | 0.12 |
| Yes | A35R | status | 2 | 81 | 9.25 | 0.00 | \* | 0.19 |
| Yes | B5R | status | 2 | 81 | 8.80 | 0.00 | \* | 0.18 |
| Yes | B6R | status | 2 | 81 | 11.36 | 0.00 | \* | 0.22 |
| Yes | A5L | status | 2 | 81 | 3.67 | 0.03 | \* | 0.08 |
| Yes | ATI-C | status | 2 | 81 | 22.14 | 0.00 | \* | 0.35 |
| Yes | ATI-N | status | 2 | 81 | 15.44 | 0.00 | \* | 0.28 |
| Yes | Delta | status | 2 | 81 | 11.44 | 0.00 | \* | 0.22 |
| No | A27L | status | 2 | 178 | 25.08 | 0.00 | \* | 0.22 |
| No | A29L | status | 2 | 178 | 39.63 | 0.00 | \* | 0.31 |
| No | L1R | status | 2 | 178 | 12.87 | 0.00 | \* | 0.13 |
| No | M1R | status | 2 | 178 | 7.58 | 0.00 | \* | 0.08 |
| No | D8L | status | 2 | 178 | 19.21 | 0.00 | \* | 0.18 |
| No | E8L | status | 2 | 178 | 22.85 | 0.00 | \* | 0.20 |
| No | H3L | status | 2 | 178 | 1.23 | 0.30 |  | 0.01 |
| No | A33R | status | 2 | 178 | 17.84 | 0.00 | \* | 0.17 |
| No | A35R | status | 2 | 178 | 27.92 | 0.00 | \* | 0.24 |
| No | B5R | status | 2 | 178 | 8.78 | 0.00 | \* | 0.09 |
| No | B6R | status | 2 | 178 | 26.82 | 0.00 | \* | 0.23 |
| No | A5L | status | 2 | 178 | 5.37 | 0.00 | \* | 0.06 |
| No | ATI-C | status | 2 | 178 | 19.71 | 0.00 | \* | 0.18 |
| No | ATI-N | status | 2 | 178 | 18.36 | 0.00 | \* | 0.17 |
| No | Delta | status | 2 | 178 | 18.12 | 0.00 | \* | 0.17 |

Supporting Table. Simple main effects for the difference between the three serostatuses (pre, MVA, Mpox) in depence on the antigen on the Acute dataset using IgM data.

| childhoodImmuAge | analyte | Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | status | 2 | 67 | 0.04 | 0.96 |  | 0.00 |
| Yes | A29L | status | 2 | 67 | 2.73 | 0.07 |  | 0.07 |
| Yes | L1R | status | 2 | 67 | 2.38 | 0.10 |  | 0.07 |
| Yes | M1R | status | 2 | 67 | 0.74 | 0.48 |  | 0.02 |
| Yes | D8L | status | 2 | 67 | 2.63 | 0.08 |  | 0.07 |
| Yes | E8L | status | 2 | 67 | 11.88 | 0.00 | \* | 0.26 |
| Yes | H3L | status | 2 | 67 | 0.43 | 0.65 |  | 0.01 |
| Yes | A33R | status | 2 | 67 | 4.77 | 0.01 | \* | 0.12 |
| Yes | A35R | status | 2 | 67 | 0.79 | 0.46 |  | 0.02 |
| Yes | B5R | status | 2 | 67 | 1.47 | 0.24 |  | 0.04 |
| Yes | B6R | status | 2 | 67 | 5.32 | 0.01 | \* | 0.14 |
| Yes | A5L | status | 2 | 67 | 2.00 | 0.14 |  | 0.06 |
| Yes | ATI-C | status | 2 | 67 | 1.25 | 0.29 |  | 0.04 |
| Yes | ATI-N | status | 2 | 67 | 0.94 | 0.40 |  | 0.03 |
| Yes | Delta | status | 2 | 67 | 4.84 | 0.01 | \* | 0.13 |
| No | A27L | status | 2 | 181 | 5.56 | 0.00 | \* | 0.06 |
| No | A29L | status | 2 | 181 | 11.30 | 0.00 | \* | 0.11 |
| No | L1R | status | 2 | 181 | 1.53 | 0.22 |  | 0.02 |
| No | M1R | status | 2 | 181 | 5.08 | 0.01 | \* | 0.05 |
| No | D8L | status | 2 | 181 | 7.39 | 0.00 | \* | 0.08 |
| No | E8L | status | 2 | 181 | 19.92 | 0.00 | \* | 0.18 |
| No | H3L | status | 2 | 181 | 3.77 | 0.02 | \* | 0.04 |
| No | A33R | status | 2 | 181 | 0.69 | 0.50 |  | 0.01 |
| No | A35R | status | 2 | 181 | 14.61 | 0.00 | \* | 0.14 |
| No | B5R | status | 2 | 181 | 1.28 | 0.28 |  | 0.01 |
| No | B6R | status | 2 | 181 | 17.90 | 0.00 | \* | 0.16 |
| No | A5L | status | 2 | 181 | 3.90 | 0.02 | \* | 0.04 |
| No | ATI-C | status | 2 | 181 | 12.03 | 0.00 | \* | 0.12 |
| No | ATI-N | status | 2 | 181 | 5.87 | 0.00 | \* | 0.06 |
| No | Delta | status | 2 | 181 | 4.05 | 0.02 | \* | 0.04 |

Supporting Table. Simple main effects for the difference between the three serostatuses (pre, MVA, Mpox) in depence on the antigen on the Epi dataset using IgG data.

| childhoodImmuAge | analyte | Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | status | 2 | 146 | 0.24 | 0.79 |  | 0.00 |
| Yes | A29L | status | 2 | 146 | 3.38 | 0.04 | \* | 0.04 |
| Yes | L1R | status | 2 | 146 | 7.01 | 0.00 | \* | 0.09 |
| Yes | M1R | status | 2 | 146 | 3.17 | 0.04 | \* | 0.04 |
| Yes | D8L | status | 2 | 146 | 51.09 | 0.00 | \* | 0.41 |
| Yes | E8L | status | 2 | 146 | 67.28 | 0.00 | \* | 0.48 |
| Yes | H3L | status | 2 | 146 | 4.27 | 0.02 | \* | 0.06 |
| Yes | A33R | status | 2 | 146 | 15.49 | 0.00 | \* | 0.17 |
| Yes | A35R | status | 2 | 146 | 11.76 | 0.00 | \* | 0.14 |
| Yes | B5R | status | 2 | 146 | 13.33 | 0.00 | \* | 0.15 |
| Yes | B6R | status | 2 | 146 | 19.95 | 0.00 | \* | 0.21 |
| Yes | A5L | status | 2 | 146 | 5.58 | 0.00 | \* | 0.07 |
| Yes | ATI-C | status | 2 | 146 | 1.53 | 0.22 |  | 0.02 |
| Yes | ATI-N | status | 2 | 146 | 4.65 | 0.01 | \* | 0.06 |
| Yes | Delta | status | 2 | 146 | 28.94 | 0.00 | \* | 0.28 |
| No | A27L | status | 2 | 591 | 8.11 | 0.00 | \* | 0.03 |
| No | A29L | status | 2 | 591 | 53.23 | 0.00 | \* | 0.15 |
| No | L1R | status | 2 | 591 | 15.71 | 0.00 | \* | 0.05 |
| No | M1R | status | 2 | 591 | 10.66 | 0.00 | \* | 0.04 |
| No | D8L | status | 2 | 591 | 92.92 | 0.00 | \* | 0.24 |
| No | E8L | status | 2 | 591 | 255.71 | 0.00 | \* | 0.46 |
| No | H3L | status | 2 | 591 | 6.62 | 0.00 | \* | 0.02 |
| No | A33R | status | 2 | 591 | 114.53 | 0.00 | \* | 0.28 |
| No | A35R | status | 2 | 591 | 194.07 | 0.00 | \* | 0.40 |
| No | B5R | status | 2 | 591 | 115.17 | 0.00 | \* | 0.28 |
| No | B6R | status | 2 | 591 | 243.86 | 0.00 | \* | 0.45 |
| No | A5L | status | 2 | 591 | 19.91 | 0.00 | \* | 0.06 |
| No | ATI-C | status | 2 | 591 | 6.20 | 0.00 | \* | 0.02 |
| No | ATI-N | status | 2 | 591 | 55.73 | 0.00 | \* | 0.16 |
| No | Delta | status | 2 | 591 | 192.58 | 0.00 | \* | 0.40 |

Supporting Table. Simple main effects for the difference between the three serostatuses (pre, MVA, Mpox) in depence on the antigen on the Epi dataset using IgM data.

| childhoodImmuAge | analyte | Effect | DFn | DFd | F | p | p<.05 | ges |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | status | 2 | 151 | 0.85 | 0.43 |  | 0.01 |
| Yes | A29L | status | 2 | 151 | 2.88 | 0.06 |  | 0.04 |
| Yes | L1R | status | 2 | 151 | 0.56 | 0.57 |  | 0.01 |
| Yes | M1R | status | 2 | 151 | 3.44 | 0.04 | \* | 0.04 |
| Yes | D8L | status | 2 | 151 | 4.18 | 0.02 | \* | 0.05 |
| Yes | E8L | status | 2 | 151 | 6.46 | 0.00 | \* | 0.08 |
| Yes | H3L | status | 2 | 151 | 0.33 | 0.72 |  | 0.00 |
| Yes | A33R | status | 2 | 151 | 1.67 | 0.19 |  | 0.02 |
| Yes | A35R | status | 2 | 151 | 2.15 | 0.12 |  | 0.03 |
| Yes | B5R | status | 2 | 151 | 0.38 | 0.68 |  | 0.00 |
| Yes | B6R | status | 2 | 151 | 0.25 | 0.78 |  | 0.00 |
| Yes | A5L | status | 2 | 151 | 0.02 | 0.98 |  | 0.00 |
| Yes | ATI-C | status | 2 | 151 | 0.32 | 0.72 |  | 0.00 |
| Yes | ATI-N | status | 2 | 151 | 0.24 | 0.79 |  | 0.00 |
| Yes | Delta | status | 2 | 151 | 0.99 | 0.37 |  | 0.01 |
| No | A27L | status | 2 | 608 | 2.64 | 0.07 |  | 0.01 |
| No | A29L | status | 2 | 608 | 8.31 | 0.00 | \* | 0.03 |
| No | L1R | status | 2 | 608 | 4.15 | 0.02 | \* | 0.01 |
| No | M1R | status | 2 | 608 | 1.82 | 0.16 |  | 0.01 |
| No | D8L | status | 2 | 608 | 14.44 | 0.00 | \* | 0.04 |
| No | E8L | status | 2 | 608 | 18.30 | 0.00 | \* | 0.06 |
| No | H3L | status | 2 | 608 | 12.19 | 0.00 | \* | 0.04 |
| No | A33R | status | 2 | 608 | 5.51 | 0.00 | \* | 0.02 |
| No | A35R | status | 2 | 608 | 4.00 | 0.02 | \* | 0.01 |
| No | B5R | status | 2 | 608 | 7.10 | 0.00 | \* | 0.02 |
| No | B6R | status | 2 | 608 | 2.24 | 0.11 |  | 0.01 |
| No | A5L | status | 2 | 608 | 5.33 | 0.00 | \* | 0.02 |
| No | ATI-C | status | 2 | 608 | 5.77 | 0.00 | \* | 0.02 |
| No | ATI-N | status | 2 | 608 | 5.62 | 0.00 | \* | 0.02 |
| No | Delta | status | 2 | 608 | 16.16 | 0.00 | \* | 0.05 |

## Pairwise comparisons

Supporting Table. Pairwise comparisons on the Acute dataset using IgG data.

| childhoodImmuAge | analyte | group1 | group2 | df | statistic | p | p.adj | p.adj.signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | Pre | MVA | 3,885 | -2.46 | 0.01 | 0.04 | \* |
| Yes | A27L | Pre | Mpox | 3,885 | -6.44 | 0.00 | 0.00 | \*\*\*\* |
| Yes | A27L | MVA | Mpox | 3,885 | -1.34 | 0.18 | 0.54 | ns |
| Yes | A29L | Pre | MVA | 3,885 | -0.57 | 0.57 | 1.00 | ns |
| Yes | A29L | Pre | Mpox | 3,885 | -4.80 | 0.00 | 0.00 | \*\*\*\* |
| Yes | A29L | MVA | Mpox | 3,885 | -2.28 | 0.02 | 0.07 | ns |
| Yes | L1R | Pre | MVA | 3,885 | -2.90 | 0.00 | 0.01 | \* |
| Yes | L1R | Pre | Mpox | 3,885 | -2.80 | 0.01 | 0.02 | \* |
| Yes | L1R | MVA | Mpox | 3,885 | 1.26 | 0.21 | 0.62 | ns |
| Yes | M1R | Pre | MVA | 3,885 | -3.12 | 0.00 | 0.01 | \*\* |
| Yes | M1R | Pre | Mpox | 3,885 | -3.87 | 0.00 | 0.00 | \*\*\* |
| Yes | M1R | MVA | Mpox | 3,885 | 0.85 | 0.39 | 1.00 | ns |
| Yes | D8L | Pre | MVA | 3,885 | -5.12 | 0.00 | 0.00 | \*\*\*\* |
| Yes | D8L | Pre | Mpox | 3,885 | -4.67 | 0.00 | 0.00 | \*\*\*\* |
| Yes | D8L | MVA | Mpox | 3,885 | 2.40 | 0.02 | 0.05 | \* |
| Yes | E8L | Pre | MVA | 3,885 | -4.54 | 0.00 | 0.00 | \*\*\*\* |
| Yes | E8L | Pre | Mpox | 3,885 | -5.00 | 0.00 | 0.00 | \*\*\*\* |
| Yes | E8L | MVA | Mpox | 3,885 | 1.61 | 0.11 | 0.32 | ns |
| Yes | H3L | Pre | MVA | 3,885 | -2.12 | 0.03 | 0.10 | ns |
| Yes | H3L | Pre | Mpox | 3,885 | -4.60 | 0.00 | 0.00 | \*\*\*\* |
| Yes | H3L | MVA | Mpox | 3,885 | -0.59 | 0.56 | 1.00 | ns |
| Yes | A33R | Pre | MVA | 3,885 | -2.36 | 0.02 | 0.06 | ns |
| Yes | A33R | Pre | Mpox | 3,885 | -3.93 | 0.00 | 0.00 | \*\*\* |
| Yes | A33R | MVA | Mpox | 3,885 | 0.05 | 0.96 | 1.00 | ns |
| Yes | A35R | Pre | MVA | 3,885 | -1.95 | 0.05 | 0.15 | ns |
| Yes | A35R | Pre | Mpox | 3,885 | -5.25 | 0.00 | 0.00 | \*\*\*\* |
| Yes | A35R | MVA | Mpox | 3,885 | -1.15 | 0.25 | 0.76 | ns |
| Yes | B5R | Pre | MVA | 3,885 | -3.06 | 0.00 | 0.01 | \*\* |
| Yes | B5R | Pre | Mpox | 3,885 | -4.26 | 0.00 | 0.00 | \*\*\*\* |
| Yes | B5R | MVA | Mpox | 3,885 | 0.56 | 0.57 | 1.00 | ns |
| Yes | B6R | Pre | MVA | 3,885 | -3.40 | 0.00 | 0.00 | \*\* |
| Yes | B6R | Pre | Mpox | 3,885 | -5.04 | 0.00 | 0.00 | \*\*\*\* |
| Yes | B6R | MVA | Mpox | 3,885 | 0.45 | 0.66 | 1.00 | ns |
| Yes | A5L | Pre | MVA | 3,885 | 1.74 | 0.08 | 0.24 | ns |
| Yes | A5L | Pre | Mpox | 3,885 | -1.15 | 0.25 | 0.75 | ns |
| Yes | A5L | MVA | Mpox | 3,885 | -2.44 | 0.01 | 0.04 | \* |
| Yes | ATI-C | Pre | MVA | 3,885 | -0.31 | 0.76 | 1.00 | ns |
| Yes | ATI-C | Pre | Mpox | 3,885 | -5.29 | 0.00 | 0.00 | \*\*\*\* |
| Yes | ATI-C | MVA | Mpox | 3,885 | -2.83 | 0.00 | 0.01 | \* |
| Yes | ATI-N | Pre | MVA | 3,885 | 0.81 | 0.42 | 1.00 | ns |
| Yes | ATI-N | Pre | Mpox | 3,885 | -6.31 | 0.00 | 0.00 | \*\*\*\* |
| Yes | ATI-N | MVA | Mpox | 3,885 | -4.56 | 0.00 | 0.00 | \*\*\*\* |
| Yes | Delta | Pre | MVA | 3,885 | -3.25 | 0.00 | 0.00 | \*\* |
| Yes | Delta | Pre | Mpox | 3,885 | -4.78 | 0.00 | 0.00 | \*\*\*\* |
| Yes | Delta | MVA | Mpox | 3,885 | 0.44 | 0.66 | 1.00 | ns |
| No | A27L | Pre | MVA | 3,885 | -3.44 | 0.00 | 0.00 | \*\* |
| No | A27L | Pre | Mpox | 3,885 | -6.32 | 0.00 | 0.00 | \*\*\*\* |
| No | A27L | MVA | Mpox | 3,885 | 0.08 | 0.94 | 1.00 | ns |
| No | A29L | Pre | MVA | 3,885 | -0.58 | 0.56 | 1.00 | ns |
| No | A29L | Pre | Mpox | 3,885 | -7.11 | 0.00 | 0.00 | \*\*\*\* |
| No | A29L | MVA | Mpox | 3,885 | -3.57 | 0.00 | 0.00 | \*\* |
| No | L1R | Pre | MVA | 3,885 | -3.13 | 0.00 | 0.01 | \*\* |
| No | L1R | Pre | Mpox | 3,885 | -0.10 | 0.92 | 1.00 | ns |
| No | L1R | MVA | Mpox | 3,885 | 3.42 | 0.00 | 0.00 | \*\* |
| No | M1R | Pre | MVA | 3,885 | -2.66 | 0.01 | 0.02 | \* |
| No | M1R | Pre | Mpox | 3,885 | -0.91 | 0.36 | 1.00 | ns |
| No | M1R | MVA | Mpox | 3,885 | 2.41 | 0.02 | 0.05 | \* |
| No | D8L | Pre | MVA | 3,885 | -3.93 | 0.00 | 0.00 | \*\*\* |
| No | D8L | Pre | Mpox | 3,885 | -4.75 | 0.00 | 0.00 | \*\*\*\* |
| No | D8L | MVA | Mpox | 3,885 | 1.55 | 0.12 | 0.36 | ns |
| No | E8L | Pre | MVA | 3,885 | -4.82 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | Pre | Mpox | 3,885 | -8.92 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | MVA | Mpox | 3,885 | 0.06 | 0.95 | 1.00 | ns |
| No | H3L | Pre | MVA | 3,885 | -0.85 | 0.40 | 1.00 | ns |
| No | H3L | Pre | Mpox | 3,885 | -0.96 | 0.34 | 1.00 | ns |
| No | H3L | MVA | Mpox | 3,885 | 0.37 | 0.71 | 1.00 | ns |
| No | A33R | Pre | MVA | 3,885 | -1.86 | 0.06 | 0.19 | ns |
| No | A33R | Pre | Mpox | 3,885 | -6.35 | 0.00 | 0.00 | \*\*\*\* |
| No | A33R | MVA | Mpox | 3,885 | -1.70 | 0.09 | 0.27 | ns |
| No | A35R | Pre | MVA | 3,885 | -2.09 | 0.04 | 0.11 | ns |
| No | A35R | Pre | Mpox | 3,885 | -9.19 | 0.00 | 0.00 | \*\*\*\* |
| No | A35R | MVA | Mpox | 3,885 | -3.13 | 0.00 | 0.01 | \*\* |
| No | B5R | Pre | MVA | 3,885 | -2.74 | 0.01 | 0.02 | \* |
| No | B5R | Pre | Mpox | 3,885 | -4.55 | 0.00 | 0.00 | \*\*\*\* |
| No | B5R | MVA | Mpox | 3,885 | 0.34 | 0.73 | 1.00 | ns |
| No | B6R | Pre | MVA | 3,885 | -3.74 | 0.00 | 0.00 | \*\*\* |
| No | B6R | Pre | Mpox | 3,885 | -7.92 | 0.00 | 0.00 | \*\*\*\* |
| No | B6R | MVA | Mpox | 3,885 | -0.54 | 0.59 | 1.00 | ns |
| No | A5L | Pre | MVA | 3,885 | -0.46 | 0.65 | 1.00 | ns |
| No | A5L | Pre | Mpox | 3,885 | -2.93 | 0.00 | 0.01 | \* |
| No | A5L | MVA | Mpox | 3,885 | -1.23 | 0.22 | 0.65 | ns |
| No | ATI-C | Pre | MVA | 3,885 | -1.95 | 0.05 | 0.15 | ns |
| No | ATI-C | Pre | Mpox | 3,885 | -4.33 | 0.00 | 0.00 | \*\*\*\* |
| No | ATI-C | MVA | Mpox | 3,885 | -0.40 | 0.69 | 1.00 | ns |
| No | ATI-N | Pre | MVA | 3,885 | 0.31 | 0.76 | 1.00 | ns |
| No | ATI-N | Pre | Mpox | 3,885 | -6.38 | 0.00 | 0.00 | \*\*\*\* |
| No | ATI-N | MVA | Mpox | 3,885 | -4.13 | 0.00 | 0.00 | \*\*\* |
| No | Delta | Pre | MVA | 3,885 | -3.09 | 0.00 | 0.01 | \*\* |
| No | Delta | Pre | Mpox | 3,885 | -5.65 | 0.00 | 0.00 | \*\*\*\* |
| No | Delta | MVA | Mpox | 3,885 | 0.08 | 0.94 | 1.00 | ns |

Supporting Table.Pairwise comparisons on the Acute dataset using IgM data.

| childhoodImmuAge | analyte | group1 | group2 | df | statistic | p | p.adj | p.adj.signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | Pre | MVA | 3,720 | 0.21 | 0.83 | 1.00 | ns |
| Yes | A27L | Pre | Mpox | 3,720 | 0.01 | 0.99 | 1.00 | ns |
| Yes | A27L | MVA | Mpox | 3,720 | -0.21 | 0.84 | 1.00 | ns |
| Yes | A29L | Pre | MVA | 3,720 | 1.39 | 0.16 | 0.49 | ns |
| Yes | A29L | Pre | Mpox | 3,720 | -1.60 | 0.11 | 0.33 | ns |
| Yes | A29L | MVA | Mpox | 3,720 | -2.13 | 0.03 | 0.10 | ns |
| Yes | L1R | Pre | MVA | 3,720 | -1.62 | 0.10 | 0.31 | ns |
| Yes | L1R | Pre | Mpox | 3,720 | -0.76 | 0.45 | 1.00 | ns |
| Yes | L1R | MVA | Mpox | 3,720 | 1.27 | 0.21 | 0.62 | ns |
| Yes | M1R | Pre | MVA | 3,720 | -0.65 | 0.52 | 1.00 | ns |
| Yes | M1R | Pre | Mpox | 3,720 | -0.10 | 0.92 | 1.00 | ns |
| Yes | M1R | MVA | Mpox | 3,720 | 0.60 | 0.55 | 1.00 | ns |
| Yes | D8L | Pre | MVA | 3,720 | -0.53 | 0.60 | 1.00 | ns |
| Yes | D8L | Pre | Mpox | 3,720 | -2.29 | 0.02 | 0.07 | ns |
| Yes | D8L | MVA | Mpox | 3,720 | -0.53 | 0.59 | 1.00 | ns |
| Yes | E8L | Pre | MVA | 3,720 | -2.65 | 0.01 | 0.02 | \* |
| Yes | E8L | Pre | Mpox | 3,720 | -4.26 | 0.00 | 0.00 | \*\*\*\* |
| Yes | E8L | MVA | Mpox | 3,720 | 0.67 | 0.51 | 1.00 | ns |
| Yes | H3L | Pre | MVA | 3,720 | 0.69 | 0.49 | 1.00 | ns |
| Yes | H3L | Pre | Mpox | 3,720 | 0.60 | 0.55 | 1.00 | ns |
| Yes | H3L | MVA | Mpox | 3,720 | -0.41 | 0.68 | 1.00 | ns |
| Yes | A33R | Pre | MVA | 3,720 | 0.24 | 0.81 | 1.00 | ns |
| Yes | A33R | Pre | Mpox | 3,720 | 2.55 | 0.01 | 0.03 | \* |
| Yes | A33R | MVA | Mpox | 3,720 | 0.94 | 0.35 | 1.00 | ns |
| Yes | A35R | Pre | MVA | 3,720 | -0.09 | 0.93 | 1.00 | ns |
| Yes | A35R | Pre | Mpox | 3,720 | -1.03 | 0.30 | 0.91 | ns |
| Yes | A35R | MVA | Mpox | 3,720 | -0.39 | 0.70 | 1.00 | ns |
| Yes | B5R | Pre | MVA | 3,720 | 1.61 | 0.11 | 0.33 | ns |
| Yes | B5R | Pre | Mpox | 3,720 | 0.57 | 0.57 | 1.00 | ns |
| Yes | B5R | MVA | Mpox | 3,720 | -1.34 | 0.18 | 0.55 | ns |
| Yes | B6R | Pre | MVA | 3,720 | 0.19 | 0.85 | 1.00 | ns |
| Yes | B6R | Pre | Mpox | 3,720 | -3.36 | 0.00 | 0.00 | \*\* |
| Yes | B6R | MVA | Mpox | 3,720 | -1.75 | 0.08 | 0.24 | ns |
| Yes | A5L | Pre | MVA | 3,720 | -1.21 | 0.23 | 0.68 | ns |
| Yes | A5L | Pre | Mpox | 3,720 | 0.29 | 0.77 | 1.00 | ns |
| Yes | A5L | MVA | Mpox | 3,720 | 1.34 | 0.18 | 0.54 | ns |
| Yes | ATI-C | Pre | MVA | 3,720 | -0.25 | 0.80 | 1.00 | ns |
| Yes | ATI-C | Pre | Mpox | 3,720 | -1.00 | 0.32 | 0.96 | ns |
| Yes | ATI-C | MVA | Mpox | 3,720 | -0.21 | 0.83 | 1.00 | ns |
| Yes | ATI-N | Pre | MVA | 3,720 | 1.35 | 0.18 | 0.53 | ns |
| Yes | ATI-N | Pre | Mpox | 3,720 | 0.20 | 0.84 | 1.00 | ns |
| Yes | ATI-N | MVA | Mpox | 3,720 | -1.25 | 0.21 | 0.63 | ns |
| Yes | Delta | Pre | MVA | 3,720 | -1.26 | 0.21 | 0.62 | ns |
| Yes | Delta | Pre | Mpox | 3,720 | -3.31 | 0.00 | 0.00 | \*\* |
| Yes | Delta | MVA | Mpox | 3,720 | -0.28 | 0.78 | 1.00 | ns |
| No | A27L | Pre | MVA | 3,720 | 1.09 | 0.28 | 0.83 | ns |
| No | A27L | Pre | Mpox | 3,720 | -1.11 | 0.27 | 0.80 | ns |
| No | A27L | MVA | Mpox | 3,720 | -1.81 | 0.07 | 0.21 | ns |
| No | A29L | Pre | MVA | 3,720 | 0.94 | 0.35 | 1.00 | ns |
| No | A29L | Pre | Mpox | 3,720 | -4.67 | 0.00 | 0.00 | \*\*\*\* |
| No | A29L | MVA | Mpox | 3,720 | -3.66 | 0.00 | 0.00 | \*\*\* |
| No | L1R | Pre | MVA | 3,720 | 1.12 | 0.26 | 0.79 | ns |
| No | L1R | Pre | Mpox | 3,720 | 0.38 | 0.70 | 1.00 | ns |
| No | L1R | MVA | Mpox | 3,720 | -1.00 | 0.32 | 0.95 | ns |
| No | M1R | Pre | MVA | 3,720 | 0.41 | 0.68 | 1.00 | ns |
| No | M1R | Pre | Mpox | 3,720 | 2.67 | 0.01 | 0.02 | \* |
| No | M1R | MVA | Mpox | 3,720 | 1.06 | 0.29 | 0.86 | ns |
| No | D8L | Pre | MVA | 3,720 | -0.88 | 0.38 | 1.00 | ns |
| No | D8L | Pre | Mpox | 3,720 | -4.41 | 0.00 | 0.00 | \*\*\*\* |
| No | D8L | MVA | Mpox | 3,720 | -1.53 | 0.13 | 0.38 | ns |
| No | E8L | Pre | MVA | 3,720 | -0.35 | 0.72 | 1.00 | ns |
| No | E8L | Pre | Mpox | 3,720 | -7.84 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | MVA | Mpox | 3,720 | -4.05 | 0.00 | 0.00 | \*\*\* |
| No | H3L | Pre | MVA | 3,720 | 2.85 | 0.00 | 0.01 | \* |
| No | H3L | Pre | Mpox | 3,720 | 0.45 | 0.66 | 1.00 | ns |
| No | H3L | MVA | Mpox | 3,720 | -2.84 | 0.00 | 0.01 | \* |
| No | A33R | Pre | MVA | 3,720 | 0.56 | 0.58 | 1.00 | ns |
| No | A33R | Pre | Mpox | 3,720 | 0.88 | 0.38 | 1.00 | ns |
| No | A33R | MVA | Mpox | 3,720 | -0.11 | 0.91 | 1.00 | ns |
| No | A35R | Pre | MVA | 3,720 | 1.26 | 0.21 | 0.63 | ns |
| No | A35R | Pre | Mpox | 3,720 | -4.44 | 0.00 | 0.00 | \*\*\*\* |
| No | A35R | MVA | Mpox | 3,720 | -3.88 | 0.00 | 0.00 | \*\*\* |
| No | B5R | Pre | MVA | 3,720 | 1.04 | 0.30 | 0.89 | ns |
| No | B5R | Pre | Mpox | 3,720 | -1.07 | 0.29 | 0.86 | ns |
| No | B5R | MVA | Mpox | 3,720 | -1.74 | 0.08 | 0.25 | ns |
| No | B6R | Pre | MVA | 3,720 | -0.08 | 0.94 | 1.00 | ns |
| No | B6R | Pre | Mpox | 3,720 | -6.77 | 0.00 | 0.00 | \*\*\*\* |
| No | B6R | MVA | Mpox | 3,720 | -3.74 | 0.00 | 0.00 | \*\*\* |
| No | A5L | Pre | MVA | 3,720 | 1.48 | 0.14 | 0.42 | ns |
| No | A5L | Pre | Mpox | 3,720 | -1.01 | 0.31 | 0.94 | ns |
| No | A5L | MVA | Mpox | 3,720 | -2.18 | 0.03 | 0.09 | ns |
| No | ATI-C | Pre | MVA | 3,720 | 0.03 | 0.97 | 1.00 | ns |
| No | ATI-C | Pre | Mpox | 3,720 | -2.14 | 0.03 | 0.10 | ns |
| No | ATI-C | MVA | Mpox | 3,720 | -1.24 | 0.21 | 0.64 | ns |
| No | ATI-N | Pre | MVA | 3,720 | 3.36 | 0.00 | 0.00 | \*\* |
| No | ATI-N | Pre | Mpox | 3,720 | 3.11 | 0.00 | 0.01 | \*\* |
| No | ATI-N | MVA | Mpox | 3,720 | -1.89 | 0.06 | 0.18 | ns |
| No | Delta | Pre | MVA | 3,720 | -1.16 | 0.25 | 0.74 | ns |
| No | Delta | Pre | Mpox | 3,720 | -4.13 | 0.00 | 0.00 | \*\*\* |
| No | Delta | MVA | Mpox | 3,720 | -1.07 | 0.28 | 0.85 | ns |

Supporting Table. Pairwise comparisons on the Epi dataset using IgG data.

| childhoodImmuAge | analyte | group1 | group2 | df | statistic | p | p.adj | p.adj.signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | Pre | MVA | 11,055 | -0.64 | 0.53 | 1.00 | ns |
| Yes | A27L | Pre | Mpox | 11,055 | 0.54 | 0.59 | 1.00 | ns |
| Yes | A27L | MVA | Mpox | 11,055 | 0.73 | 0.47 | 1.00 | ns |
| Yes | A29L | Pre | MVA | 11,055 | -2.68 | 0.01 | 0.02 | \* |
| Yes | A29L | Pre | Mpox | 11,055 | 0.40 | 0.69 | 1.00 | ns |
| Yes | A29L | MVA | Mpox | 11,055 | 1.17 | 0.24 | 0.73 | ns |
| Yes | L1R | Pre | MVA | 11,055 | -3.77 | 0.00 | 0.00 | \*\*\* |
| Yes | L1R | Pre | Mpox | 11,055 | 0.00 | 1.00 | 1.00 | ns |
| Yes | L1R | MVA | Mpox | 11,055 | 1.08 | 0.28 | 0.84 | ns |
| Yes | M1R | Pre | MVA | 11,055 | -2.09 | 0.04 | 0.11 | ns |
| Yes | M1R | Pre | Mpox | 11,055 | -1.30 | 0.19 | 0.58 | ns |
| Yes | M1R | MVA | Mpox | 11,055 | -0.71 | 0.48 | 1.00 | ns |
| Yes | D8L | Pre | MVA | 11,055 | -9.94 | 0.00 | 0.00 | \*\*\*\* |
| Yes | D8L | Pre | Mpox | 11,055 | -5.21 | 0.00 | 0.00 | \*\*\*\* |
| Yes | D8L | MVA | Mpox | 11,055 | -2.41 | 0.02 | 0.05 | \* |
| Yes | E8L | Pre | MVA | 11,055 | -8.84 | 0.00 | 0.00 | \*\*\*\* |
| Yes | E8L | Pre | Mpox | 11,055 | -5.51 | 0.00 | 0.00 | \*\*\*\* |
| Yes | E8L | MVA | Mpox | 11,055 | -3.03 | 0.00 | 0.01 | \*\* |
| Yes | H3L | Pre | MVA | 11,055 | -3.13 | 0.00 | 0.01 | \*\* |
| Yes | H3L | Pre | Mpox | 11,055 | -2.96 | 0.00 | 0.01 | \*\* |
| Yes | H3L | MVA | Mpox | 11,055 | -2.09 | 0.04 | 0.11 | ns |
| Yes | A33R | Pre | MVA | 11,055 | -5.48 | 0.00 | 0.00 | \*\*\*\* |
| Yes | A33R | Pre | Mpox | 11,055 | -3.95 | 0.00 | 0.00 | \*\*\* |
| Yes | A33R | MVA | Mpox | 11,055 | -2.41 | 0.02 | 0.05 | \* |
| Yes | A35R | Pre | MVA | 11,055 | -4.63 | 0.00 | 0.00 | \*\*\*\* |
| Yes | A35R | Pre | Mpox | 11,055 | -4.12 | 0.00 | 0.00 | \*\*\* |
| Yes | A35R | MVA | Mpox | 11,055 | -2.83 | 0.00 | 0.01 | \* |
| Yes | B5R | Pre | MVA | 11,055 | -5.17 | 0.00 | 0.00 | \*\*\*\* |
| Yes | B5R | Pre | Mpox | 11,055 | -1.49 | 0.14 | 0.41 | ns |
| Yes | B5R | MVA | Mpox | 11,055 | -0.02 | 0.98 | 1.00 | ns |
| Yes | B6R | Pre | MVA | 11,055 | -6.26 | 0.00 | 0.00 | \*\*\*\* |
| Yes | B6R | Pre | Mpox | 11,055 | -1.28 | 0.20 | 0.61 | ns |
| Yes | B6R | MVA | Mpox | 11,055 | 0.50 | 0.62 | 1.00 | ns |
| Yes | A5L | Pre | MVA | 11,055 | -2.25 | 0.02 | 0.07 | ns |
| Yes | A5L | Pre | Mpox | 11,055 | -0.83 | 0.41 | 1.00 | ns |
| Yes | A5L | MVA | Mpox | 11,055 | -0.19 | 0.85 | 1.00 | ns |
| Yes | ATI-C | Pre | MVA | 11,055 | -2.36 | 0.02 | 0.06 | ns |
| Yes | ATI-C | Pre | Mpox | 11,055 | -0.24 | 0.81 | 1.00 | ns |
| Yes | ATI-C | MVA | Mpox | 11,055 | 0.43 | 0.67 | 1.00 | ns |
| Yes | ATI-N | Pre | MVA | 11,055 | -2.66 | 0.01 | 0.02 | \* |
| Yes | ATI-N | Pre | Mpox | 11,055 | -1.88 | 0.06 | 0.18 | ns |
| Yes | ATI-N | MVA | Mpox | 11,055 | -1.14 | 0.26 | 0.77 | ns |
| Yes | Delta | Pre | MVA | 11,055 | -5.79 | 0.00 | 0.00 | \*\*\*\* |
| Yes | Delta | Pre | Mpox | 11,055 | -2.87 | 0.00 | 0.01 | \* |
| Yes | Delta | MVA | Mpox | 11,055 | -1.24 | 0.21 | 0.64 | ns |
| No | A27L | Pre | MVA | 11,055 | -0.62 | 0.53 | 1.00 | ns |
| No | A27L | Pre | Mpox | 11,055 | -4.17 | 0.00 | 0.00 | \*\*\*\* |
| No | A27L | MVA | Mpox | 11,055 | -3.93 | 0.00 | 0.00 | \*\*\* |
| No | A29L | Pre | MVA | 11,055 | -0.98 | 0.33 | 0.98 | ns |
| No | A29L | Pre | Mpox | 11,055 | -8.76 | 0.00 | 0.00 | \*\*\*\* |
| No | A29L | MVA | Mpox | 11,055 | -8.45 | 0.00 | 0.00 | \*\*\*\* |
| No | L1R | Pre | MVA | 11,055 | -5.27 | 0.00 | 0.00 | \*\*\*\* |
| No | L1R | Pre | Mpox | 11,055 | -3.07 | 0.00 | 0.01 | \*\* |
| No | L1R | MVA | Mpox | 11,055 | 0.09 | 0.93 | 1.00 | ns |
| No | M1R | Pre | MVA | 11,055 | -3.80 | 0.00 | 0.00 | \*\*\* |
| No | M1R | Pre | Mpox | 11,055 | -3.11 | 0.00 | 0.01 | \*\* |
| No | M1R | MVA | Mpox | 11,055 | -0.86 | 0.39 | 1.00 | ns |
| No | D8L | Pre | MVA | 11,055 | -14.57 | 0.00 | 0.00 | \*\*\*\* |
| No | D8L | Pre | Mpox | 11,055 | -8.57 | 0.00 | 0.00 | \*\*\*\* |
| No | D8L | MVA | Mpox | 11,055 | 0.17 | 0.87 | 1.00 | ns |
| No | E8L | Pre | MVA | 11,055 | -19.85 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | Pre | Mpox | 11,055 | -19.22 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | MVA | Mpox | 11,055 | -7.57 | 0.00 | 0.00 | \*\*\*\* |
| No | H3L | Pre | MVA | 11,055 | -4.49 | 0.00 | 0.00 | \*\*\*\* |
| No | H3L | Pre | Mpox | 11,055 | -4.52 | 0.00 | 0.00 | \*\*\*\* |
| No | H3L | MVA | Mpox | 11,055 | -1.89 | 0.06 | 0.18 | ns |
| No | A33R | Pre | MVA | 11,055 | -12.34 | 0.00 | 0.00 | \*\*\*\* |
| No | A33R | Pre | Mpox | 11,055 | -12.85 | 0.00 | 0.00 | \*\*\*\* |
| No | A33R | MVA | Mpox | 11,055 | -5.63 | 0.00 | 0.00 | \*\*\*\* |
| No | A35R | Pre | MVA | 11,055 | -12.31 | 0.00 | 0.00 | \*\*\*\* |
| No | A35R | Pre | Mpox | 11,055 | -17.92 | 0.00 | 0.00 | \*\*\*\* |
| No | A35R | MVA | Mpox | 11,055 | -10.89 | 0.00 | 0.00 | \*\*\*\* |
| No | B5R | Pre | MVA | 11,055 | -10.63 | 0.00 | 0.00 | \*\*\*\* |
| No | B5R | Pre | Mpox | 11,055 | -9.73 | 0.00 | 0.00 | \*\*\*\* |
| No | B5R | MVA | Mpox | 11,055 | -3.47 | 0.00 | 0.00 | \*\* |
| No | B6R | Pre | MVA | 11,055 | -14.48 | 0.00 | 0.00 | \*\*\*\* |
| No | B6R | Pre | Mpox | 11,055 | -15.76 | 0.00 | 0.00 | \*\*\*\* |
| No | B6R | MVA | Mpox | 11,055 | -7.32 | 0.00 | 0.00 | \*\*\*\* |
| No | A5L | Pre | MVA | 11,055 | -1.10 | 0.27 | 0.81 | ns |
| No | A5L | Pre | Mpox | 11,055 | -3.90 | 0.00 | 0.00 | \*\*\* |
| No | A5L | MVA | Mpox | 11,055 | -3.35 | 0.00 | 0.00 | \*\* |
| No | ATI-C | Pre | MVA | 11,055 | -3.21 | 0.00 | 0.00 | \*\* |
| No | ATI-C | Pre | Mpox | 11,055 | -3.11 | 0.00 | 0.01 | \*\* |
| No | ATI-C | MVA | Mpox | 11,055 | -1.23 | 0.22 | 0.66 | ns |
| No | ATI-N | Pre | MVA | 11,055 | -0.13 | 0.90 | 1.00 | ns |
| No | ATI-N | Pre | Mpox | 11,055 | -6.37 | 0.00 | 0.00 | \*\*\*\* |
| No | ATI-N | MVA | Mpox | 11,055 | -6.51 | 0.00 | 0.00 | \*\*\*\* |
| No | Delta | Pre | MVA | 11,055 | -15.44 | 0.00 | 0.00 | \*\*\*\* |
| No | Delta | Pre | Mpox | 11,055 | -15.69 | 0.00 | 0.00 | \*\*\*\* |
| No | Delta | MVA | Mpox | 11,055 | -6.65 | 0.00 | 0.00 | \*\*\*\* |

Supporting Table. Pairwise comparisons on the Epi dataset using IgM data.

| childhoodImmuAge | analyte | group1 | group2 | df | statistic | p | p.adj | p.adj.signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yes | A27L | Pre | MVA | 11,385 | -0.05 | 0.96 | 1.00 | ns |
| Yes | A27L | Pre | Mpox | 11,385 | -1.21 | 0.23 | 0.68 | ns |
| Yes | A27L | MVA | Mpox | 11,385 | -1.19 | 0.23 | 0.70 | ns |
| Yes | A29L | Pre | MVA | 11,385 | -0.67 | 0.50 | 1.00 | ns |
| Yes | A29L | Pre | Mpox | 11,385 | -2.71 | 0.01 | 0.02 | \* |
| Yes | A29L | MVA | Mpox | 11,385 | -2.44 | 0.01 | 0.04 | \* |
| Yes | L1R | Pre | MVA | 11,385 | 0.44 | 0.66 | 1.00 | ns |
| Yes | L1R | Pre | Mpox | 11,385 | -0.98 | 0.33 | 0.98 | ns |
| Yes | L1R | MVA | Mpox | 11,385 | -1.17 | 0.24 | 0.73 | ns |
| Yes | M1R | Pre | MVA | 11,385 | -1.36 | 0.17 | 0.52 | ns |
| Yes | M1R | Pre | Mpox | 11,385 | -1.74 | 0.08 | 0.25 | ns |
| Yes | M1R | MVA | Mpox | 11,385 | -1.18 | 0.24 | 0.72 | ns |
| Yes | D8L | Pre | MVA | 11,385 | 1.09 | 0.27 | 0.82 | ns |
| Yes | D8L | Pre | Mpox | 11,385 | -1.48 | 0.14 | 0.42 | ns |
| Yes | D8L | MVA | Mpox | 11,385 | -1.94 | 0.05 | 0.16 | ns |
| Yes | E8L | Pre | MVA | 11,385 | 3.85 | 0.00 | 0.00 | \*\*\* |
| Yes | E8L | Pre | Mpox | 11,385 | -1.91 | 0.06 | 0.17 | ns |
| Yes | E8L | MVA | Mpox | 11,385 | -3.53 | 0.00 | 0.00 | \*\* |
| Yes | H3L | Pre | MVA | 11,385 | 0.56 | 0.58 | 1.00 | ns |
| Yes | H3L | Pre | Mpox | 11,385 | -0.18 | 0.85 | 1.00 | ns |
| Yes | H3L | MVA | Mpox | 11,385 | -0.42 | 0.68 | 1.00 | ns |
| Yes | A33R | Pre | MVA | 11,385 | 1.35 | 0.18 | 0.53 | ns |
| Yes | A33R | Pre | Mpox | 11,385 | -1.04 | 0.30 | 0.90 | ns |
| Yes | A33R | MVA | Mpox | 11,385 | -1.61 | 0.11 | 0.33 | ns |
| Yes | A35R | Pre | MVA | 11,385 | -1.95 | 0.05 | 0.15 | ns |
| Yes | A35R | Pre | Mpox | 11,385 | -0.64 | 0.52 | 1.00 | ns |
| Yes | A35R | MVA | Mpox | 11,385 | 0.18 | 0.86 | 1.00 | ns |
| Yes | B5R | Pre | MVA | 11,385 | -0.82 | 0.42 | 1.00 | ns |
| Yes | B5R | Pre | Mpox | 11,385 | -0.72 | 0.47 | 1.00 | ns |
| Yes | B5R | MVA | Mpox | 11,385 | -0.38 | 0.70 | 1.00 | ns |
| Yes | B6R | Pre | MVA | 11,385 | -0.99 | 0.32 | 0.97 | ns |
| Yes | B6R | Pre | Mpox | 11,385 | -0.32 | 0.75 | 1.00 | ns |
| Yes | B6R | MVA | Mpox | 11,385 | 0.10 | 0.92 | 1.00 | ns |
| Yes | A5L | Pre | MVA | 11,385 | 0.21 | 0.83 | 1.00 | ns |
| Yes | A5L | Pre | Mpox | 11,385 | 0.04 | 0.97 | 1.00 | ns |
| Yes | A5L | MVA | Mpox | 11,385 | -0.05 | 0.96 | 1.00 | ns |
| Yes | ATI-C | Pre | MVA | 11,385 | -0.69 | 0.49 | 1.00 | ns |
| Yes | ATI-C | Pre | Mpox | 11,385 | -0.23 | 0.82 | 1.00 | ns |
| Yes | ATI-C | MVA | Mpox | 11,385 | 0.06 | 0.95 | 1.00 | ns |
| Yes | ATI-N | Pre | MVA | 11,385 | -0.51 | 0.61 | 1.00 | ns |
| Yes | ATI-N | Pre | Mpox | 11,385 | -0.29 | 0.77 | 1.00 | ns |
| Yes | ATI-N | MVA | Mpox | 11,385 | -0.08 | 0.94 | 1.00 | ns |
| Yes | Delta | Pre | MVA | 11,385 | 1.44 | 0.15 | 0.45 | ns |
| Yes | Delta | Pre | Mpox | 11,385 | -0.84 | 0.40 | 1.00 | ns |
| Yes | Delta | MVA | Mpox | 11,385 | -1.45 | 0.15 | 0.44 | ns |
| No | A27L | Pre | MVA | 11,385 | 0.22 | 0.83 | 1.00 | ns |
| No | A27L | Pre | Mpox | 11,385 | -1.88 | 0.06 | 0.18 | ns |
| No | A27L | MVA | Mpox | 11,385 | -2.05 | 0.04 | 0.12 | ns |
| No | A29L | Pre | MVA | 11,385 | 0.53 | 0.60 | 1.00 | ns |
| No | A29L | Pre | Mpox | 11,385 | -3.36 | 0.00 | 0.00 | \*\* |
| No | A29L | MVA | Mpox | 11,385 | -3.73 | 0.00 | 0.00 | \*\*\* |
| No | L1R | Pre | MVA | 11,385 | 1.43 | 0.15 | 0.46 | ns |
| No | L1R | Pre | Mpox | 11,385 | -1.47 | 0.14 | 0.42 | ns |
| No | L1R | MVA | Mpox | 11,385 | -2.33 | 0.02 | 0.06 | ns |
| No | M1R | Pre | MVA | 11,385 | 0.76 | 0.45 | 1.00 | ns |
| No | M1R | Pre | Mpox | 11,385 | -0.72 | 0.47 | 1.00 | ns |
| No | M1R | MVA | Mpox | 11,385 | -1.18 | 0.24 | 0.71 | ns |
| No | D8L | Pre | MVA | 11,385 | 1.33 | 0.18 | 0.55 | ns |
| No | D8L | Pre | Mpox | 11,385 | -3.28 | 0.00 | 0.00 | \*\* |
| No | D8L | MVA | Mpox | 11,385 | -4.11 | 0.00 | 0.00 | \*\*\* |
| No | E8L | Pre | MVA | 11,385 | 0.67 | 0.51 | 1.00 | ns |
| No | E8L | Pre | Mpox | 11,385 | -7.98 | 0.00 | 0.00 | \*\*\*\* |
| No | E8L | MVA | Mpox | 11,385 | -8.51 | 0.00 | 0.00 | \*\*\*\* |
| No | H3L | Pre | MVA | 11,385 | 1.84 | 0.07 | 0.20 | ns |
| No | H3L | Pre | Mpox | 11,385 | -2.39 | 0.02 | 0.05 | ns |
| No | H3L | MVA | Mpox | 11,385 | -3.50 | 0.00 | 0.00 | \*\* |
| No | A33R | Pre | MVA | 11,385 | 1.62 | 0.11 | 0.32 | ns |
| No | A33R | Pre | Mpox | 11,385 | -1.87 | 0.06 | 0.19 | ns |
| No | A33R | MVA | Mpox | 11,385 | -2.84 | 0.00 | 0.01 | \* |
| No | A35R | Pre | MVA | 11,385 | 1.11 | 0.27 | 0.80 | ns |
| No | A35R | Pre | Mpox | 11,385 | -1.55 | 0.12 | 0.36 | ns |
| No | A35R | MVA | Mpox | 11,385 | -2.22 | 0.03 | 0.08 | ns |
| No | B5R | Pre | MVA | 11,385 | 0.76 | 0.45 | 1.00 | ns |
| No | B5R | Pre | Mpox | 11,385 | -3.10 | 0.00 | 0.01 | \*\* |
| No | B5R | MVA | Mpox | 11,385 | -3.60 | 0.00 | 0.00 | \*\*\* |
| No | B6R | Pre | MVA | 11,385 | 0.38 | 0.71 | 1.00 | ns |
| No | B6R | Pre | Mpox | 11,385 | -2.51 | 0.01 | 0.04 | \* |
| No | B6R | MVA | Mpox | 11,385 | -2.78 | 0.01 | 0.02 | \* |
| No | A5L | Pre | MVA | 11,385 | 2.23 | 0.03 | 0.08 | ns |
| No | A5L | Pre | Mpox | 11,385 | -1.47 | 0.14 | 0.42 | ns |
| No | A5L | MVA | Mpox | 11,385 | -2.80 | 0.01 | 0.02 | \* |
| No | ATI-C | Pre | MVA | 11,385 | 1.00 | 0.32 | 0.95 | ns |
| No | ATI-C | Pre | Mpox | 11,385 | -1.81 | 0.07 | 0.21 | ns |
| No | ATI-C | MVA | Mpox | 11,385 | -2.43 | 0.02 | 0.05 | \* |
| No | ATI-N | Pre | MVA | 11,385 | 1.62 | 0.11 | 0.32 | ns |
| No | ATI-N | Pre | Mpox | 11,385 | -0.95 | 0.34 | 1.00 | ns |
| No | ATI-N | MVA | Mpox | 11,385 | -1.91 | 0.06 | 0.17 | ns |
| No | Delta | Pre | MVA | 11,385 | 0.28 | 0.78 | 1.00 | ns |
| No | Delta | Pre | Mpox | 11,385 | -8.44 | 0.00 | 0.00 | \*\*\*\* |
| No | Delta | MVA | Mpox | 11,385 | -8.75 | 0.00 | 0.00 | \*\*\*\* |