The following results show the statistical analysis used for the soybean study reported in “Soybean Nutrition in a Novel, Single Nutrient Source Hydroponic Solution” by Cole et al. and submitted to *Agronomy*. Six treatments are included in each report below. Reported significance in the above paper was based on the adjusted p-value from Benjamini and Hochberg pairwise Comparison. Explanations of treatments can be found in Table 1 of the above-mentioned paper.

**Stem Width at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.04666667 -0.5097469 0.60308020 0.9996903

3-1 -0.19666667 -0.7530802 0.35974687 0.8347295

4-1 -0.61000000 -1.1664135 -0.05358646 0.0289995

5-1 -0.27333333 -0.8297469 0.28308020 0.5846885

6-1 -0.30333333 -0.8597469 0.25308020 0.4830689

3-2 -0.24333333 -0.7997469 0.31308020 0.6883523

4-2 -0.65666667 -1.2130802 -0.10025313 0.0180143

5-2 -0.32000000 -0.8764135 0.23641354 0.4298084

6-2 -0.35000000 -0.9064135 0.20641354 0.3424160

4-3 -0.41333333 -0.9697469 0.14308020 0.1999063

5-3 -0.07666667 -0.6330802 0.47974687 0.9966564

6-3 -0.10666667 -0.6630802 0.44974687 0.9849714

5-4 0.33666667 -0.2197469 0.89308020 0.3797824

6-4 0.30666667 -0.2497469 0.86308020 0.4721884

6-5 -0.03000000 -0.5864135 0.52641354 0.9999647

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.839 - - - -

3 0.352 0.251 - - -

4 0.024 0.024 0.141 - -

5 0.208 0.173 0.752 0.173 -

6 0.173 0.173 0.665 0.173 0.859

**Shoot Height at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -5.0000000 -20.487233 10.487233 0.8785009

3-1 -6.3333333 -21.820566 9.153900 0.7411024

4-1 -7.3333333 -22.820566 8.153900 0.6189163

5-1 2.3333333 -13.153900 17.820566 0.9949358

6-1 -7.6666667 -23.153900 7.820566 0.5773952

3-2 -1.3333333 -16.820566 14.153900 0.9996482

4-2 -2.3333333 -17.820566 13.153900 0.9949358

5-2 7.3333333 -8.153900 22.820566 0.6189163

6-2 -2.6666667 -18.153900 12.820566 0.9906848

4-3 -1.0000000 -16.487233 14.487233 0.9999141

5-3 8.6666667 -6.820566 24.153900 0.4570236

6-3 -1.3333333 -16.820566 14.153900 0.9996482

5-4 9.6666667 -5.820566 25.153900 0.3497917

6-4 -0.3333333 -15.820566 15.153900 0.9999996

6-5 -10.0000000 -25.487233 5.487233 0.3179122

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.56 - - - -

3 0.42 0.89 - - -

4 0.34 0.85 0.89 - -

5 0.85 0.34 0.34 0.34 -

6 0.34 0.85 0.89 0.94 0.34

**Shoot Visual Rating at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.3666667 -2.504759 1.7714261 0.9908526

3-1 -0.6000000 -2.738093 1.5380928 0.9273336

4-1 -1.2000000 -3.338093 0.9380928 0.4540948

5-1 -0.8000000 -2.938093 1.3380928 0.8016507

6-1 -0.9666667 -3.104759 1.1714261 0.6601399

3-2 -0.2333333 -2.371426 1.9047595 0.9988927

4-2 -0.8333333 -2.971426 1.3047595 0.7751890

5-2 -0.4333333 -2.571426 1.7047595 0.9808387

6-2 -0.6000000 -2.738093 1.5380928 0.9273336

4-3 -0.6000000 -2.738093 1.5380928 0.9273336

5-3 -0.2000000 -2.338093 1.9380928 0.9994734

6-3 -0.3666667 -2.504759 1.7714261 0.9908526

5-4 0.4000000 -1.738093 2.5380928 0.9865052

6-4 0.2333333 -1.904759 2.3714261 0.9988927

6-5 -0.1666667 -2.304759 1.9714261 0.9997834

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.78 - - - -

3 0.78 0.80 - - -

4 0.78 0.78 0.78 - -

5 0.78 0.78 0.80 0.78 -

6 0.78 0.78 0.78 0.80 0.80

**Root Visual Rating at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 8.881784e-16 -1.3184527 1.3184527 1.0000000

3-1 -1.000000e-01 -1.4184527 1.2184527 0.9998106

4-1 -1.733333e+00 -3.0517860 -0.4148806 0.0084382

5-1 -9.000000e-01 -2.2184527 0.4184527 0.2680829

6-1 -1.066667e+00 -2.3851194 0.2517860 0.1422742

3-2 -1.000000e-01 -1.4184527 1.2184527 0.9998106

4-2 -1.733333e+00 -3.0517860 -0.4148806 0.0084382

5-2 -9.000000e-01 -2.2184527 0.4184527 0.2680829

6-2 -1.066667e+00 -2.3851194 0.2517860 0.1422742

4-3 -1.633333e+00 -2.9517860 -0.3148806 0.0129257

5-3 -8.000000e-01 -2.1184527 0.5184527 0.3770409

6-3 -9.666667e-01 -2.2851194 0.3517860 0.2097893

5-4 8.333333e-01 -0.4851194 2.1517860 0.3378755

6-4 6.666667e-01 -0.6517860 1.9851194 0.5570539

6-5 -1.666667e-01 -1.4851194 1.1517860 0.9977704

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 1.0000 - - - -

3 0.8606 0.8606 - - -

4 0.0063 0.0063 0.0066 - -

5 0.0764 0.0764 0.0963 0.0921 -

6 0.0561 0.0561 0.0747 0.1571 0.8483

**Shoot Biomass at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -3.166667 -66.77794 60.444604 0.9999763

3-1 -7.333333 -70.94460 56.277937 0.9985606

4-1 -69.000000 -132.61127 -5.388730 0.0309715

5-1 -40.666667 -104.27794 22.944604 0.3271666

6-1 -38.000000 -101.61127 25.611270 0.3922821

3-2 -4.166667 -67.77794 59.444604 0.9999078

4-2 -65.833333 -129.44460 -2.222063 0.0410600

5-2 -37.500000 -101.11127 26.111270 0.4053101

6-2 -34.833333 -98.44460 28.777937 0.4786268

4-3 -61.666667 -125.27794 1.944604 0.0593535

5-3 -33.333333 -96.94460 30.277937 0.5222357

6-3 -30.666667 -94.27794 32.944604 0.6023294

5-4 28.333333 -35.27794 91.944604 0.6729671

6-4 31.000000 -32.61127 94.611270 0.5922169

6-5 2.666667 -60.94460 66.277937 0.9999899

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.890 - - - -

3 0.882 0.890 - - -

4 0.034 0.034 0.034 - -

5 0.178 0.178 0.195 0.219 -

6 0.178 0.194 0.197 0.197 0.890

**Root Biomass at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 2.500000 -16.863088 21.8630882 0.9975364

3-1 -2.666667 -22.029755 16.6964215 0.9966642

4-1 -16.500000 -35.863088 2.8630882 0.1131221

5-1 -11.166667 -30.529755 8.1964215 0.4270719

6-1 -6.833333 -26.196422 12.5297549 0.8355707

3-2 -5.166667 -24.529755 14.1964215 0.9401978

4-2 -19.000000 -38.363088 0.3630882 0.0555526

5-2 -13.666667 -33.029755 5.6964215 0.2399416

6-2 -9.333333 -28.696422 10.0297549 0.6024802

4-3 -13.833333 -33.196422 5.5297549 0.2301076

5-3 -8.500000 -27.863088 10.8630882 0.6852145

6-3 -4.166667 -23.529755 15.1964215 0.9752148

5-4 5.333333 -14.029755 24.6964215 0.9323500

6-4 9.666667 -9.696422 29.0297549 0.5693284

6-5 4.333333 -15.029755 23.6964215 0.9707423

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.672 - - - -

3 0.672 0.529 - - -

4 0.107 0.096 0.133 - -

5 0.230 0.133 0.311 0.529 -

6 0.431 0.282 0.558 0.282 0.558

**Shoot Visual Rating at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.3333333 -0.832025228 1.4986919 0.9218678

3-1 0.1666667 -0.998691894 1.3320252 0.9960217

4-1 0.1666667 -0.998691894 1.3320252 0.9960217

5-1 1.5000000 0.334641439 2.6653586 0.0098455

6-1 1.0000000 -0.165358561 2.1653586 0.1095439

3-2 -0.1666667 -1.332025228 0.9986919 0.9960217

4-2 -0.1666667 -1.332025228 0.9986919 0.9960217

5-2 1.1666667 0.001308106 2.3320252 0.0496853

6-2 0.6666667 -0.498691894 1.8320252 0.4350794

4-3 0.0000000 -1.165358561 1.1653586 1.0000000

5-3 1.3333333 0.167974772 2.4986919 0.0221022

6-3 0.8333333 -0.332025228 1.9986919 0.2293561

5-4 1.3333333 0.167974772 2.4986919 0.0221022

6-4 0.8333333 -0.332025228 1.9986919 0.2293561

6-5 -0.5000000 -1.665358561 0.6653586 0.7039490

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.533 - - - -

3 0.685 0.685 - - -

4 0.685 0.685 1.000 - -

5 0.012 0.021 0.012 0.012 -

6 0.041 0.148 0.072 0.072 0.292

**Shoot Visual Rating at 28 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -8.881784e-16 -1.1725081 1.1725081 1.0000000

3-1 -8.881784e-16 -1.1725081 1.1725081 1.0000000

4-1 -5.666667e-01 -1.7391747 0.6058414 0.6000134

5-1 5.000000e-01 -0.6725081 1.6725081 0.7088480

6-1 -2.333333e-01 -1.4058414 0.9391747 0.9823008

3-2 0.000000e+00 -1.1725081 1.1725081 1.0000000

4-2 -5.666667e-01 -1.7391747 0.6058414 0.6000134

5-2 5.000000e-01 -0.6725081 1.6725081 0.7088480

6-2 -2.333333e-01 -1.4058414 0.9391747 0.9823008

4-3 -5.666667e-01 -1.7391747 0.6058414 0.6000134

5-3 5.000000e-01 -0.6725081 1.6725081 0.7088480

6-3 -2.333333e-01 -1.4058414 0.9391747 0.9823008

5-4 1.066667e+00 -0.1058414 2.2391747 0.0826748

6-4 3.333333e-01 -0.8391747 1.5058414 0.9236553

6-5 -7.333333e-01 -1.9058414 0.4391747 0.3478540

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 1.00 - - - -

3 1.00 1.00 - - -

4 0.33 0.33 0.33 - -

5 0.33 0.33 0.33 0.15 -

6 0.65 0.65 0.65 0.60 0.33

**Shoot Biomass at 32 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.9266667 -8.3041475 6.4508142 0.9978366

3-1 -0.4333333 -7.8108142 6.9441475 0.9999462

4-1 -8.6400000 -16.0174808 -1.2625192 0.0189627

5-1 0.2433333 -7.1341475 7.6208142 0.9999969

6-1 -0.4333333 -7.8108142 6.9441475 0.9999462

3-2 0.4933333 -6.8841475 7.8708142 0.9998979

4-2 -7.7133333 -15.0908142 -0.3358525 0.0386729

5-2 1.1700000 -6.2074808 8.5474808 0.9935891

6-2 0.4933333 -6.8841475 7.8708142 0.9998979

4-3 -8.2066667 -15.5841475 -0.8291858 0.0264682

5-3 0.6766667 -6.7008142 8.0541475 0.9995213

6-3 0.0000000 -7.3774808 7.3774808 1.0000000

5-4 8.8833333 1.5058525 16.2608142 0.0157290

6-4 8.2066667 0.8291858 15.5841475 0.0264682

6-5 -0.6766667 -8.0541475 6.7008142 0.9995213

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.977 - - - -

3 0.977 0.977 - - -

4 0.011 0.013 0.011 - -

5 0.979 0.977 0.977 0.011 -

6 0.977 0.977 1.000 0.011 0.977

**Root Biomass at 32 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 2.2733333 -1.3000211 5.846688 0.3317336

3-1 1.6333333 -1.9400211 5.206688 0.6505916

4-1 -0.1300000 -3.7033544 3.443354 0.9999950

5-1 3.2900000 -0.2833544 6.863354 0.0778217

6-1 3.0500000 -0.5233544 6.623354 0.1122715

3-2 -0.6400000 -4.2133544 2.933354 0.9888831

4-2 -2.4033333 -5.9766877 1.170021 0.2810287

5-2 1.0166667 -2.5566877 4.590021 0.9234288

6-2 0.7766667 -2.7966877 4.350021 0.9741384

4-3 -1.7633333 -5.3366877 1.810021 0.5804037

5-3 1.6566667 -1.9166877 5.230021 0.6380137

6-3 1.4166667 -2.1566877 4.990021 0.7634632

5-4 3.4200000 -0.1533544 6.993354 0.0635906

6-4 3.1800000 -0.3933544 6.753354 0.0921637

6-5 -0.2400000 -3.8133544 3.333354 0.9998957

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.135 - - - -

3 0.251 0.645 - - -

4 0.905 0.130 0.251 - -

5 0.053 0.488 0.251 0.053 -

6 0.053 0.599 0.312 0.053 0.884

**Shoot Height at 32 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 2.7516667 -16.061113 21.564446 0.9955843

3-1 -1.6933333 -20.506113 17.119446 0.9995632

4-1 -0.3175000 -19.130279 18.495279 0.9999999

5-1 9.5250000 -9.287779 28.337779 0.5557904

6-1 -1.1641667 -19.976946 17.648613 0.9999303

3-2 -4.4450000 -23.257779 14.367779 0.9633263

4-2 -3.0691667 -21.881946 15.743613 0.9927048

5-2 6.7733333 -12.039446 25.586113 0.8244913

6-2 -3.9158333 -22.728613 14.896946 0.9785021

4-3 1.3758333 -17.436946 20.188613 0.9998415

5-3 11.2183333 -7.594446 30.031113 0.3940311

6-3 0.5291667 -18.283613 19.341946 0.9999986

5-4 9.8425000 -8.970279 28.655279 0.5238034

6-4 -0.8466667 -19.659446 17.966113 0.9999856

6-5 -10.6891667 -29.501946 8.123613 0.4418567

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.96 - - - -

3 0.96 0.96 - - -

4 0.96 0.96 0.96 - -

5 0.43 0.75 0.43 0.43 -

6 0.96 0.96 0.96 0.96 0.43

**Stem Width at 32 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.051666667 -0.17363341 0.27696675 0.9675955

3-1 -0.043333333 -0.26863341 0.18196675 0.9847524

4-1 -0.148333333 -0.37363341 0.07696675 0.3000922

5-1 0.001666667 -0.22363341 0.22696675 1.0000000

6-1 0.031666667 -0.19363341 0.25696675 0.9963312

3-2 -0.095000000 -0.32030008 0.13030008 0.7177451

4-2 -0.200000000 -0.42530008 0.02530008 0.0932858

5-2 -0.050000000 -0.27530008 0.17530008 0.9717559

6-2 -0.020000000 -0.24530008 0.20530008 0.9995916

4-3 -0.105000000 -0.33030008 0.12030008 0.6333287

5-3 0.045000000 -0.18030008 0.27030008 0.9820164

6-3 0.075000000 -0.15030008 0.30030008 0.8648663

5-4 0.150000000 -0.07530008 0.37530008 0.2900394

6-4 0.180000000 -0.04530008 0.40530008 0.1500013

6-5 0.030000000 -0.19530008 0.25530008 0.9971515

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.72 - - - -

3 0.72 0.46 - - -

4 0.18 0.15 0.43 - -

5 0.98 0.72 0.72 0.18 -

6 0.76 0.83 0.61 0.15 0.76

**P Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.143166667 -0.39327473 0.10694139 0.4344725

3-1 -0.151333333 -0.40144139 0.09877473 0.3797723

4-1 -0.739700000 -0.98980806 -0.48959194 0.0000045

5-1 -0.474800000 -0.72490806 -0.22469194 0.0003911

6-1 -0.355800000 -0.60590806 -0.10569194 0.0046376

3-2 -0.008166667 -0.25827473 0.24194139 0.9999971

4-2 -0.596533333 -0.84664139 -0.34642527 0.0000426

5-2 -0.331633333 -0.58174139 -0.08152527 0.0079222

6-2 -0.212633333 -0.46274139 0.03747473 0.1143270

4-3 -0.588366667 -0.83847473 -0.33825861 0.0000490

5-3 -0.323466667 -0.57357473 -0.07335861 0.0095114

6-3 -0.204466667 -0.45457473 0.04564139 0.1360547

5-4 0.264900000 0.01479194 0.51500806 0.0358033

6-4 0.383900000 0.13379194 0.63400806 0.0025195

6-5 0.119000000 -0.13110806 0.36910806 0.6144996

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.09066 - - - -

3 0.08107 0.91448 - - -

4 5.8e-06 2.1e-05 2.1e-05 - -

5 0.00013 0.00169 0.00179 0.00657 -

6 0.00112 0.02171 0.02418 0.00072 0.14570

**K Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.63966667 -0.9633189 -0.3160144 0.0002684

3-1 -0.56000000 -0.8836522 -0.2363478 0.0009055

4-1 -1.12733333 -1.4509856 -0.8036811 0.0000008

5-1 -0.62666667 -0.9503189 -0.3030144 0.0003254

6-1 -0.54466667 -0.8683189 -0.2210144 0.0011553

3-2 0.07966667 -0.2439856 0.4033189 0.9566438

4-2 -0.48766667 -0.8113189 -0.1640144 0.0029320

5-2 0.01300000 -0.3106522 0.3366522 0.9999918

6-2 0.09500000 -0.2286522 0.4186522 0.9139127

4-3 -0.56733333 -0.8909856 -0.2436811 0.0008068

5-3 -0.06666667 -0.3903189 0.2569856 0.9794487

6-3 0.01533333 -0.3083189 0.3389856 0.9999814

5-4 0.50066667 0.1770144 0.8243189 0.0023627

6-4 0.58266667 0.2590144 0.9063189 0.0006353

6-5 0.08200000 -0.2416522 0.4056522 0.9512927

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.00015 - - - -

3 0.00021 0.53061 - - -

4 9.6e-07 0.00047 0.00021 - -

5 0.00015 0.89491 0.57944 0.00042 -

6 0.00023 0.51545 0.89491 0.00021 0.53061

**S Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.032666667 -0.050685521 0.116018854 0.7714364

3-1 0.070433333 -0.012918854 0.153785521 0.1175352

4-1 -0.042366667 -0.125718854 0.040985521 0.5520125

5-1 0.002333333 -0.081018854 0.085685521 0.9999986

6-1 0.049600000 -0.033752188 0.132952188 0.3960903

3-2 0.037766667 -0.045585521 0.121118854 0.6582573

4-2 -0.075033333 -0.158385521 0.008318854 0.0871213

5-2 -0.030333333 -0.113685521 0.053018854 0.8183358

6-2 0.016933333 -0.066418854 0.100285521 0.9806408

4-3 -0.112800000 -0.196152188 -0.029447812 0.0068026

5-3 -0.068100000 -0.151452188 0.015252188 0.1364130

6-3 -0.020833333 -0.104185521 0.062518854 0.9538777

5-4 0.044700000 -0.038652188 0.128052188 0.4993815

6-4 0.091966667 0.008614479 0.175318854 0.0278628

6-5 0.047266667 -0.036085521 0.130618854 0.4438118

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.290 - - - -

3 0.053 0.231 - - -

4 0.189 0.053 0.010 - -

5 0.927 0.306 0.053 0.182 -

6 0.172 0.544 0.482 0.023 0.174

**Ca Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.80533333 -1.27915011 -0.33151656 0.0010593

3-1 -0.38800000 -0.86181677 0.08581677 0.1350743

4-1 -1.16563333 -1.63945011 -0.69181656 0.0000311

5-1 -0.70966667 -1.18348344 -0.23584989 0.0030780

6-1 -0.53466667 -1.00848344 -0.06084989 0.0241652

3-2 0.41733333 -0.05648344 0.89115011 0.0968702

4-2 -0.36030000 -0.83411677 0.11351677 0.1829435

5-2 0.09566667 -0.37815011 0.56948344 0.9811509

6-2 0.27066667 -0.20315011 0.74448344 0.4365102

4-3 -0.77763333 -1.25145011 -0.30381656 0.0014348

5-3 -0.32166667 -0.79548344 0.15215011 0.2728408

6-3 -0.14666667 -0.62048344 0.32715011 0.8953979

5-4 0.45596667 -0.01785011 0.92978344 0.0617569

6-4 0.63096667 0.15714989 1.10478344 0.0076737

6-5 0.17500000 -0.29881677 0.64881677 0.8095798

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.00067 - - - -

3 0.02931 0.02241 - - -

4 4e-05 0.03791 0.00067 - -

5 0.00110 0.51052 0.05680 0.01540 -

6 0.00644 0.09889 0.34174 0.00229 0.27515

**Mg Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.089433333 -0.06040089 0.239267561 0.3930978

3-1 0.007066667 -0.14276756 0.156900894 0.9999818

4-1 0.052400000 -0.09743423 0.202234228 0.8404132

5-1 -0.146366667 -0.29620089 0.003467561 0.0569365

6-1 -0.150666667 -0.30050089 -0.000832439 0.0484609

3-2 -0.082366667 -0.23220089 0.067467561 0.4747763

4-2 -0.037033333 -0.18686756 0.112800894 0.9559161

5-2 -0.235800000 -0.38563423 -0.085965772 0.0020479

6-2 -0.240100000 -0.38993423 -0.090265772 0.0017591

4-3 0.045333333 -0.10450089 0.195167561 0.9037229

5-3 -0.153433333 -0.30326756 -0.003599106 0.0436701

6-3 -0.157733333 -0.30756756 -0.007899106 0.0371297

5-4 -0.198766667 -0.34860089 -0.048932439 0.0078949

6-4 -0.203066667 -0.35290089 -0.053232439 0.0067280

6-5 -0.004300000 -0.15413423 0.145534228 0.9999985

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.1134 - - - -

3 0.9248 0.1344 - - -

4 0.3585 0.4877 0.4119 - -

5 0.0123 0.0014 0.0118 0.0029 -

6 0.0118 0.0014 0.0118 0.0029 0.9248

**Zn Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -6.0833333 -13.696067 1.5294001 0.1498719

3-1 0.5033333 -7.109400 8.1160667 0.9999035

4-1 -7.7200000 -15.332733 -0.1072666 0.0461861

5-1 -1.6033333 -9.216067 6.0094001 0.9773879

6-1 -2.6666667 -10.279400 4.9460667 0.8395508

3-2 6.5866667 -1.026067 14.1994001 0.1054153

4-2 -1.6366667 -9.249400 5.9760667 0.9753105

5-2 4.4800000 -3.132733 12.0927334 0.4070362

6-2 3.4166667 -4.196067 11.0294001 0.6664763

4-3 -8.2233333 -15.836067 -0.6105999 0.0317734

5-3 -2.1066667 -9.719400 5.5060667 0.9311213

6-3 -3.1700000 -10.782733 4.4427334 0.7274522

5-4 6.1166667 -1.496067 13.7294001 0.1464785

6-4 5.0533333 -2.559400 12.6660667 0.2927039

6-5 -1.0633333 -8.676067 6.5494001 0.9964365

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.060 - - - -

3 0.828 0.060 - - -

4 0.039 0.569 0.039 - -

5 0.569 0.153 0.506 0.060 -

6 0.393 0.295 0.312 0.114 0.694

**Mn Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -28.266667 -105.85253 49.31920 0.8176800

3-1 7.663333 -69.92253 85.24920 0.9993148

4-1 -18.280000 -95.86586 59.30586 0.9637505

5-1 -34.990000 -112.57586 42.59586 0.6623108

6-1 -27.696667 -105.28253 49.88920 0.8292798

3-2 35.930000 -41.65586 113.51586 0.6390103

4-2 9.986667 -67.59920 87.57253 0.9975716

5-2 -6.723333 -84.30920 70.86253 0.9996368

6-2 0.570000 -77.01586 78.15586 1.0000000

4-3 -25.943333 -103.52920 51.64253 0.8627770

5-3 -42.653333 -120.23920 34.93253 0.4747077

6-3 -35.360000 -112.94586 42.22586 0.6531562

5-4 -16.710000 -94.29586 60.87586 0.9751224

6-4 -9.416667 -87.00253 68.16920 0.9981612

6-5 7.293333 -70.29253 84.87920 0.9994607

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.61 - - - -

3 0.83 0.58 - - -

4 0.81 0.83 0.61 - -

5 0.58 0.83 0.58 0.81 -

6 0.61 0.98 0.58 0.83 0.83

**Cu Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.150000000 -2.6906593 2.9906593 0.9999682

3-1 1.850000000 -0.9906593 4.6906593 0.3100079

4-1 0.003333333 -2.8373260 2.8439926 1.0000000

5-1 0.036666667 -2.8039926 2.8773260 1.0000000

6-1 0.180000000 -2.6606593 3.0206593 0.9999217

3-2 1.700000000 -1.1406593 4.5406593 0.3905209

4-2 -0.146666667 -2.9873260 2.6939926 0.9999715

5-2 -0.113333333 -2.9539926 2.7273260 0.9999921

6-2 0.030000000 -2.8106593 2.8706593 1.0000000

4-3 -1.846666667 -4.6873260 0.9939926 0.3116632

5-3 -1.813333333 -4.6539926 1.0273260 0.3285577

6-3 -1.670000000 -4.5106593 1.1706593 0.4080364

5-4 0.033333333 -2.8073260 2.8739926 1.0000000

6-4 0.176666667 -2.6639926 3.0173260 0.9999286

6-5 0.143333333 -2.6973260 2.9839926 0.9999746

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 1.00 - - - -

3 0.22 0.22 - - -

4 1.00 1.00 0.22 - -

5 1.00 1.00 0.22 1.00 -

6 1.00 1.00 0.22 1.00 1.00

**Fe Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -2.633333 -40.2635645 34.9968979 0.9998724

3-1 34.066667 -3.5635645 71.6968979 0.0847138

4-1 -28.156667 -65.7868979 9.4735645 0.1945643

5-1 -4.376667 -42.0068979 33.2535645 0.9984986

6-1 13.566667 -24.0635645 51.1968979 0.8237237

3-2 36.700000 -0.9302312 74.3302312 0.0574419

4-2 -25.523333 -63.1535645 12.1068979 0.2736335

5-2 -1.743333 -39.3735645 35.8868979 0.9999834

6-2 16.200000 -21.4302312 53.8302312 0.7012219

4-3 -62.223333 -99.8535645 -24.5931021 0.0013454

5-3 -38.443333 -76.0735645 -0.8131021 0.0442689

6-3 -20.500000 -58.1302312 17.1302312 0.4837686

5-4 23.780000 -13.8502312 61.4102312 0.3380478

6-4 41.723333 4.0931021 79.3535645 0.0270183

6-5 17.943333 -19.6868979 55.5735645 0.6124931

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.8766 - - - -

3 0.0308 0.0249 - - -

4 0.0681 0.0896 0.0019 - -

5 0.8110 0.8789 0.0249 0.1036 -

6 0.3115 0.2370 0.1537 0.0218 0.2028

**B Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 7.583333 -1.5865366 16.7532033 0.1293993

3-1 2.870000 -6.2998699 12.0398699 0.8911606

4-1 17.420000 8.2501301 26.5898699 0.0003885

5-1 8.633333 -0.5365366 17.8032033 0.0693577

6-1 6.480000 -2.6898699 15.6498699 0.2389538

3-2 -4.713333 -13.8832033 4.4565366 0.5411392

4-2 9.836667 0.6667967 19.0065366 0.0331524

5-2 1.050000 -8.1198699 10.2198699 0.9986064

6-2 -1.103333 -10.2732033 8.0665366 0.9982355

4-3 14.550000 5.3801301 23.7198699 0.0019116

5-3 5.763333 -3.4065366 14.9332033 0.3432018

6-3 3.610000 -5.5598699 12.7798699 0.7683411

5-4 -8.786667 -17.9565366 0.3832033 0.0631922

6-4 -10.940000 -20.1098699 -1.7701301 0.0167477

6-5 -2.153333 -11.3232033 7.0165366 0.9642452

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.03583 - - - -

3 0.39230 0.16483 - - -

4 0.00052 0.01359 0.00135 - -

5 0.02046 0.70725 0.09403 0.02046 -

6 0.06594 0.70725 0.28732 0.00869 0.51410

**Mo Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.2133333 -2.6450771 3.07174378 0.9998250

3-1 3.2133333 0.3549229 6.07174378 0.0247565

4-1 -2.7600000 -5.6184104 0.09841045 0.0606476

5-1 1.7366667 -1.1217438 4.59507711 0.3757726

6-1 3.8600000 1.0015896 6.71841045 0.0069130

3-2 3.0000000 0.1415896 5.85841045 0.0378051

4-2 -2.9733333 -5.8317438 -0.11492289 0.0398540

5-2 1.5233333 -1.3350771 4.38174378 0.5055866

6-2 3.6466667 0.7882562 6.50507711 0.0104963

4-3 -5.9733333 -8.8317438 -3.11492289 0.0001576

5-3 -1.4766667 -4.3350771 1.38174378 0.5362091

6-3 0.6466667 -2.2117438 3.50507711 0.9693811

5-4 4.4966667 1.6382562 7.35507711 0.0020545

6-4 6.6200000 3.7615896 9.47841045 0.0000573

6-5 2.1233333 -0.7350771 4.98174378 0.1999220

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.80630 - - - -

3 0.00661 0.00831 - - -

4 0.01174 0.00831 0.00010 - -

5 0.08714 0.12336 0.12494 0.00097 -

6 0.00256 0.00318 0.49498 7.5e-05 0.04225

**Na Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 42.736667 -93.89170 179.36504 0.8913929

3-1 -1.926667 -138.55504 134.70170 1.0000000

4-1 41.463333 -95.16504 178.09170 0.9026501

5-1 24.740000 -111.88837 161.36837 0.9883263

6-1 21.746667 -114.88170 158.37504 0.9934819

3-2 -44.663333 -181.29170 91.96504 0.8730916

4-2 -1.273333 -137.90170 135.35504 1.0000000

5-2 -17.996667 -154.62504 118.63170 0.9972931

6-2 -20.990000 -157.61837 115.63837 0.9944595

4-3 43.390000 -93.23837 180.01837 0.8853556

5-3 26.666667 -109.96170 163.29504 0.9837397

6-3 23.673333 -112.95504 160.30170 0.9904180

5-4 -16.723333 -153.35170 119.90504 0.9980860

6-4 -19.716667 -156.34504 116.91170 0.9958520

6-5 -2.993333 -139.62170 133.63504 0.9999996

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.86 - - - -

3 0.98 0.86 - - -

4 0.86 0.98 0.86 - -

5 0.86 0.86 0.86 0.86 -

6 0.86 0.86 0.86 0.86 0.98

**P Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.03773333 -0.36445429 0.2889876 0.9985482

3-1 -0.05780000 -0.38452096 0.2689210 0.9894798

4-1 0.30816667 -0.01855429 0.6348876 0.0686974

5-1 0.14033333 -0.18638763 0.4670543 0.7030709

6-1 0.12173333 -0.20498763 0.4484543 0.8042521

3-2 -0.02006667 -0.34678763 0.3066543 0.9999329

4-2 0.34590000 0.01917904 0.6726210 0.0358928

5-2 0.17806667 -0.14865429 0.5047876 0.4833365

6-2 0.15946667 -0.16725429 0.4861876 0.5907763

4-3 0.36596667 0.03924571 0.6926876 0.0253322

5-3 0.19813333 -0.12858763 0.5248543 0.3775895

6-3 0.17953333 -0.14718763 0.5062543 0.4751716

5-4 -0.16783333 -0.49455429 0.1588876 0.5417313

6-4 -0.18643333 -0.51315429 0.1402876 0.4376046

6-5 -0.01860000 -0.34532096 0.3081210 0.9999539

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.81 - - - -

3 0.70 0.85 - - -

4 0.04 0.03 0.03 - -

5 0.26 0.20 0.20 0.21 -

6 0.32 0.21 0.20 0.20 0.85

**K Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.51500000 -1.07483731 0.04483731 0.0781634

3-1 -0.40666667 -0.96650398 0.15317065 0.2169564

4-1 -0.01366667 -0.57350398 0.54617065 0.9999993

5-1 0.08966667 -0.47017065 0.64950398 0.9932927

6-1 -0.18633333 -0.74617065 0.37350398 0.8649424

3-2 0.10833333 -0.45150398 0.66817065 0.9843400

4-2 0.50133333 -0.05850398 1.06117065 0.0893938

5-2 0.60466667 0.04482935 1.16450398 0.0317972

6-2 0.32866667 -0.23117065 0.88850398 0.4094086

4-3 0.39300000 -0.16683731 0.95283731 0.2444118

5-3 0.49633333 -0.06350398 1.05617065 0.0938670

6-3 0.22033333 -0.33950398 0.78017065 0.7685408

5-4 0.10333333 -0.45650398 0.66317065 0.9872878

6-4 -0.17266667 -0.73250398 0.38717065 0.8967583

6-5 -0.27600000 -0.83583731 0.28383731 0.5813021

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.043 - - - -

3 0.090 0.631 - - -

4 0.936 0.043 0.090 - -

5 0.643 0.043 0.043 0.631 -

6 0.428 0.155 0.351 0.437 0.232

**S Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.05000000 -0.081041209 0.18104121 0.7892536

3-1 0.05930000 -0.071741209 0.19034121 0.6593475

4-1 0.13840000 0.007358791 0.26944121 0.0364140

5-1 0.08410000 -0.046941209 0.21514121 0.3235505

6-1 0.06946667 -0.061574542 0.20050788 0.5108283

3-2 0.00930000 -0.121741209 0.14034121 0.9998633

4-2 0.08840000 -0.042641209 0.21944121 0.2783811

5-2 0.03410000 -0.096941209 0.16514121 0.9458190

6-2 0.01946667 -0.111574542 0.15050788 0.9952551

4-3 0.07910000 -0.051941209 0.21014121 0.3821032

5-3 0.02480000 -0.106241209 0.15584121 0.9857995

6-3 0.01016667 -0.120874542 0.14120788 0.9997883

5-4 -0.05430000 -0.185341209 0.07674121 0.7311885

6-4 -0.06893333 -0.199974542 0.06210788 0.5184340

6-5 -0.01463333 -0.145674542 0.11640788 0.9987638

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.37 - - - -

3 0.33 0.82 - - -

4 0.06 0.25 0.25 - -

5 0.25 0.60 0.73 0.35 -

6 0.26 0.78 0.82 0.26 0.82

**Ca Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.05366667 -0.7468928 0.6395595 0.9997906

3-1 0.03466667 -0.6585595 0.7278928 0.9999757

4-1 -0.38533333 -1.0785595 0.3078928 0.4637163

5-1 -0.03200000 -0.7252261 0.6612261 0.9999837

6-1 0.18666667 -0.5065595 0.8798928 0.9380322

3-2 0.08833333 -0.6048928 0.7815595 0.9976847

4-2 -0.33166667 -1.0248928 0.3615595 0.6093897

5-2 0.02166667 -0.6715595 0.7148928 0.9999977

6-2 0.24033333 -0.4528928 0.9335595 0.8449603

4-3 -0.42000000 -1.1132261 0.2732261 0.3784998

5-3 -0.06666667 -0.7598928 0.6265595 0.9993978

6-3 0.15200000 -0.5412261 0.8452261 0.9731589

5-4 0.35333333 -0.3398928 1.0465595 0.5493275

6-4 0.57200000 -0.1212261 1.2652261 0.1306803

6-5 0.21866667 -0.4745595 0.9118928 0.8880834

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.92 - - - -

3 0.92 0.92 - - -

4 0.40 0.40 0.40 - -

5 0.92 0.92 0.92 0.40 -

6 0.72 0.66 0.79 0.25 0.66

**Mg Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.06550000 -0.15762296 0.288622961 0.9138743

3-1 -0.05323333 -0.27635629 0.169889627 0.9618304

4-1 0.19683333 -0.02628963 0.419956294 0.0961428

5-1 -0.10716667 -0.33028963 0.115956294 0.6057895

6-1 -0.16656667 -0.38968963 0.056556294 0.1962567

3-2 -0.11873333 -0.34185629 0.104389627 0.5070494

4-2 0.13133333 -0.09178963 0.354456294 0.4068241

5-2 -0.17266667 -0.39578963 0.050456294 0.1708009

6-2 -0.23206667 -0.45518963 -0.008943706 0.0398813

4-3 0.25006667 0.02694371 0.473189627 0.0252407

5-3 -0.05393333 -0.27705629 0.169189627 0.9597325

6-3 -0.11333333 -0.33645629 0.109789627 0.5526681

5-4 -0.30400000 -0.52712296 -0.080877039 0.0064641

6-4 -0.36340000 -0.58652296 -0.140277039 0.0015320

6-5 -0.05940000 -0.28252296 0.163722961 0.9407312

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.4295 - - - -

3 0.4385 0.1652 - - -

4 0.0356 0.1340 0.0135 - -

5 0.1809 0.0581 0.4385 0.0048 -

6 0.0590 0.0166 0.1706 0.0021 0.4385

**Zn Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 41.3900000 22.068473 60.7115271 0.0001239

3-1 40.8433333 21.521806 60.1648604 0.0001410

4-1 21.0833333 1.761806 40.4048604 0.0298551

5-1 36.1066667 16.785140 55.4281937 0.0004522

6-1 33.7700000 14.448473 53.0915271 0.0008281

3-2 -0.5466667 -19.868194 18.7748604 0.9999986

4-2 -20.3066667 -39.628194 -0.9851396 0.0374956

5-2 -5.2833333 -24.604860 14.0381937 0.9342223

6-2 -7.6200000 -26.941527 11.7015271 0.7671158

4-3 -19.7600000 -39.081527 -0.4384729 0.0439984

5-3 -4.7366667 -24.058194 14.5848604 0.9573538

6-3 -7.0733333 -26.394860 12.2481937 0.8148562

5-4 15.0233333 -4.298194 34.3448604 0.1675993

6-4 12.6866667 -6.634860 32.0081937 0.3025389

6-5 -2.3366667 -21.658194 16.9848604 0.9981923

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 9.4e-05 - - - -

3 9.4e-05 0.92586 - - -

4 0.00971 0.01036 0.01058 - -

5 0.00020 0.47058 0.49191 0.04262 -

6 0.00028 0.31492 0.33053 0.07944 0.74115

**Mn Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 17.093333 -28.972779 63.15945 0.8067679

3-1 9.780000 -36.286113 55.84611 0.9766004

4-1 22.126667 -23.939446 68.19278 0.6057490

5-1 43.206667 -2.859446 89.27278 0.0707432

6-1 61.510000 15.443887 107.57611 0.0075216

3-2 -7.313333 -53.379446 38.75278 0.9935582

4-2 5.033333 -41.032779 51.09945 0.9988863

5-2 26.113333 -19.952779 72.17945 0.4441723

6-2 44.416667 -1.649446 90.48278 0.0611163

4-3 12.346667 -33.719446 58.41278 0.9391484

5-3 33.426667 -12.639446 79.49278 0.2177910

6-3 51.730000 5.663887 97.79611 0.0249281

5-4 21.080000 -24.986113 67.14611 0.6495983

6-4 39.383333 -6.682779 85.44945 0.1114340

6-5 18.303333 -27.762779 64.36945 0.7619174

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.322 - - - -

3 0.565 0.647 - - -

4 0.249 0.720 0.482 - -

5 0.031 0.174 0.078 0.250 -

6 0.011 0.031 0.020 0.042 0.310

**Cu Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.65000000 -0.6648188 1.96481878 0.5786772

3-1 0.48000000 -0.8348188 1.79481878 0.8164908

4-1 -0.93333333 -2.2481521 0.38148545 0.2352775

5-1 0.09666667 -1.2181521 1.41148545 0.9998374

6-1 -0.04000000 -1.3548188 1.27481878 0.9999979

3-2 -0.17000000 -1.4848188 1.14481878 0.9975198

4-2 -1.58333333 -2.8981521 -0.26851455 0.0157195

5-2 -0.55333333 -1.8681521 0.76148545 0.7192587

6-2 -0.69000000 -2.0048188 0.62481878 0.5207886

4-3 -1.41333333 -2.7281521 -0.09851455 0.0327395

5-3 -0.38333333 -1.6981521 0.93148545 0.9160558

6-3 -0.52000000 -1.8348188 0.79481878 0.7651581

5-4 1.03000000 -0.2848188 2.34481878 0.1626303

6-4 0.89333333 -0.4214855 2.20815212 0.2721354

6-5 -0.13666667 -1.4514855 1.17815212 0.9991237

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.263 - - - -

3 0.365 0.840 - - -

4 0.125 0.024 0.027 - -

5 0.867 0.343 0.473 0.110 -

6 0.920 0.258 0.348 0.125 0.846

**Fe Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 36.566667 -60.07317 133.20650 0.7946178

3-1 19.200000 -77.43983 115.83983 0.9824274

4-1 -6.076667 -102.71650 90.56317 0.9999246

5-1 61.466667 -35.17317 158.10650 0.3319575

6-1 42.433333 -54.20650 139.07317 0.6850098

3-2 -17.366667 -114.00650 79.27317 0.9887153

4-2 -42.643333 -139.28317 53.99650 0.6808812

5-2 24.900000 -71.73983 121.53983 0.9479083

6-2 5.866667 -90.77317 102.50650 0.9999366

4-3 -25.276667 -121.91650 71.36317 0.9447139

5-3 42.266667 -54.37317 138.90650 0.6882800

6-3 23.233333 -73.40650 119.87317 0.9606166

5-4 67.543333 -29.09650 164.18317 0.2480527

6-4 48.510000 -48.12983 145.14983 0.5640856

6-5 -19.033333 -115.67317 77.60650 0.9830832

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.49 - - - -

3 0.64 0.64 - - -

4 0.84 0.42 0.64 - -

5 0.40 0.64 0.42 0.40 -

6 0.42 0.84 0.64 0.42 0.64

**B Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 2.780000000 -39.09225 44.65225 0.9999015

3-1 -11.050000000 -52.92225 30.82225 0.9427360

4-1 10.256666667 -31.61558 52.12892 0.9574938

5-1 7.130000000 -34.74225 49.00225 0.9911409

6-1 2.776666667 -39.09558 44.64892 0.9999021

3-2 -13.830000000 -55.70225 28.04225 0.8684655

4-2 7.476666667 -34.39558 49.34892 0.9890334

5-2 4.350000000 -37.52225 46.22225 0.9991260

6-2 -0.003333333 -41.87558 41.86892 1.0000000

4-3 21.306666667 -20.56558 63.17892 0.5509368

5-3 18.180000000 -23.69225 60.05225 0.6943035

6-3 13.826666667 -28.04558 55.69892 0.8685750

5-4 -3.126666667 -44.99892 38.74558 0.9998245

6-4 -7.480000000 -49.35225 34.39225 0.9890116

6-5 -4.353333333 -46.22558 37.51892 0.9991227

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.89 - - - -

3 0.89 0.89 - - -

4 0.89 0.89 0.89 - -

5 0.89 0.89 0.89 0.89 -

6 0.89 1.00 0.89 0.89 0.89

**Mo Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -2.5233333 -7.0407686 1.994102 0.4588492

3-1 -3.0033333 -7.5207686 1.514102 0.2913127

4-1 0.8966667 -3.6207686 5.414102 0.9824989

5-1 -0.1366667 -4.6541019 4.380769 0.9999980

6-1 -2.1433333 -6.6607686 2.374102 0.6170814

3-2 -0.4800000 -4.9974352 4.037435 0.9990259

4-2 3.4200000 -1.0974352 7.937435 0.1860847

5-2 2.3866667 -2.1307686 6.904102 0.5141682

6-2 0.3800000 -4.1374352 4.897435 0.9996858

4-3 3.9000000 -0.6174352 8.417435 0.1065014

5-3 2.8666667 -1.6507686 7.384102 0.3341181

6-3 0.8600000 -3.6574352 5.377435 0.9854252

5-4 -1.0333333 -5.5507686 3.484102 0.9679361

6-4 -3.0400000 -7.5574352 1.477435 0.2805339

6-5 -2.0066667 -6.5241019 2.510769 0.6752736

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.21 - - - -

3 0.16 0.84 - - -

4 0.67 0.16 0.16 - -

5 0.92 0.22 0.16 0.67 -

6 0.26 0.84 0.67 0.16 0.27

**Na Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -21.3200000 -73.01039 30.37039 0.7346985

3-1 -7.4666667 -59.15706 44.22373 0.9958331

4-1 -22.8333333 -74.52373 28.85706 0.6799830

5-1 -22.8933333 -74.58373 28.79706 0.6777731

6-1 -22.0033333 -73.69373 29.68706 0.7102693

3-2 13.8533333 -37.83706 65.54373 0.9391614

4-2 -1.5133333 -53.20373 50.17706 0.9999983

5-2 -1.5733333 -53.26373 50.11706 0.9999979

6-2 -0.6833333 -52.37373 51.00706 1.0000000

4-3 -15.3666667 -67.05706 36.32373 0.9097519

5-3 -15.4266667 -67.11706 36.26373 0.9084439

6-3 -14.5366667 -66.22706 37.15373 0.9267374

5-4 -0.0600000 -51.75039 51.63039 1.0000000

6-4 0.8300000 -50.86039 52.52039 0.9999999

6-5 0.8900000 -50.80039 52.58039 0.9999999

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.72 - - - -

3 1.00 0.72 - - -

4 0.72 1.00 0.72 - -

5 0.72 1.00 0.72 1.00 -

6 0.72 1.00 0.72 1.00 1.00

**Ni Concentration at 20 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 -0.003333333 -1.2041049 1.1974382 1.0000000

3-1 0.816666667 -0.3841049 2.0174382 0.2414254

4-1 -0.236666667 -1.4374382 0.9641049 0.9630120

6-1 0.040000000 -1.1607715 1.2407715 0.9999610

3-2 0.820000000 -0.3807715 2.0207715 0.2383977

4-2 -0.233333333 -1.4341049 0.9674382 0.9648043

6-2 0.043333333 -1.1574382 1.2441049 0.9999464

4-3 -1.053333333 -2.2541049 0.1474382 0.0932563

6-3 -0.776666667 -1.9774382 0.4241049 0.2802135

6-4 0.276666667 -0.9241049 1.4774382 0.9369396

**Ni Concentration at 53 d**

Tukey “Honest Significant Difference” Method from ANOVA Results:

diff lwr upr p adj

2-1 0.42666667 -0.5876759 1.4410092 0.7078879

3-1 0.01000000 -1.1240695 1.1440695 1.0000000

4-1 0.13666667 -0.8776759 1.1510092 0.9967055

5-1 0.03666667 -0.9776759 1.0510092 0.9999947

6-1 0.46666667 -0.5476759 1.4810092 0.6322857

3-2 -0.41666667 -1.5507361 0.7174028 0.8030500

4-2 -0.29000000 -1.3043426 0.7243426 0.9167371

5-2 -0.39000000 -1.4043426 0.6243426 0.7738210

6-2 0.04000000 -0.9743426 1.0543426 0.9999918

4-3 0.12666667 -1.0074028 1.2607361 0.9986422

5-3 0.02666667 -1.1074028 1.1607361 0.9999994

6-3 0.45666667 -0.6774028 1.5907361 0.7412169

5-4 -0.10000000 -1.1143426 0.9143426 0.9992540

6-4 0.33000000 -0.6843426 1.3443426 0.8677332

6-5 0.43000000 -0.5843426 1.4443426 0.7016896

Adjusted p-value from Benjamini and Hochberg Pairwise Comparison:

1 2 3 4 5

2 0.59 - - - -

3 0.98 0.59 - - -

4 0.98 0.66 0.98 - -

5 0.98 0.59 0.98 0.98 -

6 0.59 0.98 0.59 0.62 0.59