Supplementary File 2 Statistical analysis

## ANOVA FIgure 1A

ANOVA

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 21.66 | 1 | 21.66 | 1.958 | 0.234 |
| Residual | 44.24 | 4 | 11.06 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :--- | :---: | :---: | :---: | :---: | :---: |
| HFD 1w | ND 1w | 3.800 | 2.715 | 1.399 | 0.234 |
| Post Hoc Comparisons |  |  |  |  |  |
|  |  | Mean Difference | SE | t | ptukey |
| HFD 2w | ND 2w | 8.867 | 2.122 | 4.179 | 0.014 |
| Post Hoc Comparisons |  |  |  |  |  |
|  |  | Mean Difference | SE | t | ptukey |
| HFD 3w | ND 3w | 9.967 | 1.368 | 7.286 | 0.002 |
| Post Hoc Comparisons |  |  |  |  |  |
|  |  | Mean Difference | SE | t | ptukey |
| HFD 4w | ND 4w | 10.00 | 1.365 | 7.326 | 0.002 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 5w | ND 5 w | 11.50 | 1.617 | 7.114 | 0.002 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t |
| :---: | :---: | :---: | :---: | :---: |
| HFD 6w | ND 6w | 13.07 | 1.619 | 8.071 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 7w | ND 7w | 12.97 | 1.790 | 7.244 | $0.002 * *$ |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 8w | ND 8w | 13.93 | 1.384 | 10.07 | $<.001^{* * *}$ |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 9w | ND 9w | 12.73 | 0.784 | 16.24 | $<.001{ }^{*} * *$ |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 10w | ND 10w | 13.50 | 1.552 | 8.696 | $<.001 * * *$ |

## ANOVA Figure 1B

ANOVA - Glucose

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | ---: | ---: | ---: | :---: | :---: |
| V1 | 25090.7 | 1 | 25090.7 | 118.5 | $<.001$ |
| Residual | 846.7 | 4 | 211.7 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD | ND | 129.3 | 11.88 | 10.89 | $<.001$ *** |

## ANOVA FIgure 2A - BM

ANOVA - CCK-8

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| ND;0 | 202.8 | 1 | 202.8 | 1.202 | 0.353 |
| Residual | 506.0 | 3 | 168.7 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons - ND

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD24h | ND24h | -13.00 | 11.86 | -1.097 | 0.353 |

Post Hoc Comparisons - ND

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 48h | ND;48h | 2.333 | 3.677 | 0.635 | 0.571 |
| Post Hoc Comparisons - ND |  |  |  |  |  |
|  |  | Mean Difference | SE | t | ptukey |
| HFD72h | ND72h | -8.333 | 3.361 | -2.479 | 0.089 |

Post Hoc Comparisons - ND;0

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD96h | ND96h | -30.33 | 4.238 | -7.157 | 0.006 ** |

## ANOVA Figure 2A sWAT

ANOVA - CCK-8

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| ND;0 | 13.33 | 1 | 13.33 | 0.375 | 0.584 |
| Residual | 106.67 | 3 | 35.56 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons - ND

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD 24h | ND 24h | 3.333 | 5.443 | 0.612 | 0.584 |

Post Hoc Comparisons - ND

|  |  | Mean Difference | SE | t | ptukey |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HFD $\mathbf{4 8 h}$ | ND 48h | -6.167 | 5.557 | -1.110 | 0.348 |  |  |  |  |
| Post Hoc Comparisons - ND |  |  |  |  |  |  |  |  |  |
| Mean Difference |  |  |  |  |  |  | SE | t | ptukey |
| HFD72h | ND72h | 14.67 | 8.735 | 1.679 | 0.192 |  |  |  |  |

Post Hoc Comparisons - ND

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD96h | ND96h | 0.017 | 0.026 | 0.651 | 0.551 |

## ANOVA Figura 2A yWAT

ANOVA - CCK-8

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | ---: | ---: | ---: | :---: | :---: |
| V1 | $4.167 \mathrm{e}-4$ | 1 | $4.167 \mathrm{e}-4$ | 0.962 | 0.382 |
| Residual | 0.002 | 4 | $4.333 \mathrm{e}-4$ |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD24h | ND 24h | -0.017 | 0.017 | -0.981 | 0.382 |

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HFD48h | ND 48h | -0.053 | 0.011 | -5.060 | 0.007 |  |  |  |  |
| Post Hoc Comparisons - V1 |  |  |  |  |  |  |  |  |  |
| Mean Difference |  |  |  |  |  |  | SE | t | ptukey |
| HFD 72h | ND72h | -0.037 | 0.012 | -2.940 | 0.042 |  |  |  |  |

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD96h | ND96h | -0.317 | 0.040 | -7.862 | 0.001 |

## ANOVA FIgure 2B - BM

ANOVA - cell cycle

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 214.8 | 1 | 214.80 | 3.708 | 0.126 |
| Residual | 231.7 | 4 | 57.93 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons -

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD G1 | NDG1 | 11.97 | 6.215 | 1.926 | 0.126 |

Post Hoc Comparisons - V1

|  | Mean Difference | SE | $t$ | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD S | ND S | -5.800 | 0.904 | -6.418 | 0.003 |

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t |
| :---: | :---: | :---: | :---: | :---: |
| HFDG2/M | NDG2/M | -10.80 | 2.378 | -4.542 |

## ANOVAFIgure 2B - sWAT

ANOVA - cell cycle

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | ---: | ---: | ---: | :---: | :---: |
| V1 | 0.144 | 1 | 0.144 | 0.006 | 0.942 |
| Residual | 97.745 | 4 | 24.436 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD G1 | ND G1 | -0.310 | 4.036 | -0.077 | 0.942 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDS | ND S | -0.500 | 0.572 | -0.875 | 0.431 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :--- | :---: | :---: | :---: | :---: | :---: |
| HFDG2/M | NDG2JM | 1.600 | 1.678 | 0.953 | 0.394 |

## ANOVA FIgure 2B - vWAT

ANOVA - cell cycle

| Cases | Sum of Squares | df | Mean Square | $F$ | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 10.94 | 1 | 10.94 | 0.280 | 0.625 |
| Residual | 156.34 | 4 | 39.09 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD G1 | ND G1 | 2.700 | 5.105 | 0.529 | 0.625 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD S | NDS | -0.500 | 0.739 | -0.676 | 0.536 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :--- | :---: | :---: | :---: | :---: | :---: |
| HFDG2JM | NDG2JM | -4.400 | 2.462 | -1.787 | 0.148 |

## ANOVAFIgure 3A

ANOVA - Annexin

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 0.042 | 1 | 0.042 | 0.305 | 0.610 |
| Residual | 0.547 | 4 | 0.137 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD BM | ND BM | -0.167 | 0.302 | -0.552 | 0.610 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDsWAT | ND sWAT | 0.667 | 0.397 | 1.678 | 0.169 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD WWAT | ND YMAT | 2.833 | 1.175 | 2.411 | 0.073 |

## ANOVA Flgure 3B

ANOVA - Beta Gal

| Cases | Sum of Squares | df | Mean Square | $F$ | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 45.375 | 1 | 45.375 | 109.3 | $<.001$ |
| Residual | 1.660 | 4 | 0.415 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t |
| :---: | :---: | :---: | :---: | :---: |
| HFD BM | ND BM | 5.500 | 0.526 | 10.46 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |
| :--- | :---: | :---: | :---: | :---: |
| HFDsWAT | NDsWAT | 2.300 | 0.327 | 7.042 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| HFD WWAT | ND WWAT | 5.500 | 0.526 | 10.46 | $<.001 * * *$ |

## ANOVAFIgure 3C

ANOVA - DCF-DA

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 71.415 | 1 | 71.415 | 61.65 | 0.001 |
| Residual | 4.633 | 4 | 1.158 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | Ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDBM | NDBM | 6.900 | 0.879 | 7.852 | 0.001 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: |
| HFDSWAT NDSWAT | 0.800 | 0.309 | 2.588 | 0.061 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: |
| HFDWWAT NDVWAT | 4.333 | 0.464 | 9.333 | $<.001 * * *$ |

## ANOVAFIgure 3D - BM

ANOVA - WB

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | ---: | :---: | :---: |
| V1 | 252150 | 1 | 252150 | 2.865 | 0.166 |
| Residual | 352065 | 4 | 88016 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests ${ }^{*}$

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD Rb | NDRb | 410.0 | 242.2 | 1.693 | 0.166 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD p53 | ND p53 | 1078 | 313.5 | 3.437 | 0.041 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD p21 | NDp21 | 443.0 | 159.0 | 2.785 | 0.050 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDp16 | ND p16 | 261.7 | 65.69 | 3.983 | 0.016 |

## ANOVAFIgure 3D -sWAT

ANOVA - WB

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 36038 | 1 | 36038 | 2.567 | 0.184 |
| Residual | 56161 | 4 | 14040 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDRb | NDRb | 155.0 | 96.75 | 1.602 | 0.184 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | Ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD p53 | ND p53 | -85.33 | 151.4 | -0.564 | 0.603 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDp21 | NDp21 | 195.3 | 61.80 | 3.161 | 0.034 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDp16 | NDp16 | 161.0 | 54.02 | 2.980 | 0.041 |

## ANOVA Flgure 3D - vWAT

ANOVA - WB

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 165668 | 1 | 165668 | 9.495 | 0.037 |
| Residual | 69789 | 4 | 17447 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD Rb | ND Rb | 332.3 | 107.8 | 3.081 | 0.037 |

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD p53 | ND p53 | -29.33 | 331.6 | -0.088 | 0.934 |

Post Hoc Comparisons

|  | Mean Difference | SE | t | ptukey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDp21 | ND p21 | 385.3 | 84.70 | 4.549 | 0.010 |
| Post Hoc Comparisons |  |  |  |  |  |


|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFDp16 | ND p16 | 321.3 | 97.45 | 3.297 | 0.030 |

## ANOVAFIgure 4 - BM

ANOVA - H2AX

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | :---: | :---: | :---: | :---: |
| V1 | 14.680 | 7 | 2.097 | 109.4 | $<.001$ |
| Residual | 0.307 | 16 | 0.019 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD Oh | HFD 1h | -0.800 | 0.113 | -7.077 | <.001 F7* |
|  | HFD 48h | -0.033 | 0.113 | -0.295 | 1.000 |
|  | HFD 6h | -2.300 | 0.113 | -20.347 | < 0001 7 |
|  | ND Oh | 0.233 | 0.113 | 2.064 | 0.474 |
|  | ND 1h | -0.033 | 0.113 | -0.295 | 1.000 |
|  | ND 48h | 0.133 | 0.113 | 1.180 | 0.927 |
|  | ND 6h | -0.300 | 0.113 | -2.654 | 0.207 |
| HFD 1 h | HFD 48h | 0.767 | 0.113 | 6.782 | < . 001 |
|  | HFD 6h | -1.500 | 0.113 | -13.270 | < . 001 |
|  | ND Oh | 1.033 | 0.113 | 9.141 | < . 001 |
|  | ND 1h | 0.767 | 0.113 | 6.782 | < 0001 ** |
|  | ND 48h | 0.933 | 0.113 | 8.257 | <. 001 |
|  | ND 6h | 0.500 | 0.113 | 4.423 | 0.008 |
| HFD 48h | HFD 6h | -2.267 | 0.113 | -20.052 | <. 001 |
|  | ND Oh | 0.267 | 0.113 | 2.359 | 0.323 |
|  | ND 1h | -3.331e-16 | 0.113 | -2.946e-15 | 1.000 |
|  | ND 48h | 0.167 | 0.113 | 1.474 | 0.810 |
|  | ND 6h | -0.267 | 0.113 | -2.359 | 0.322 |
| HFD 6h | ND Oh | 2.533 | 0.113 | 22.411 | < . 001 |
|  | ND 1h | 2.267 | 0.113 | 20.052 | <. 001 |
|  | ND 48h | 2.433 | 0.113 | 21.527 | <. 001 |
|  | ND 6h | 2.000 | 0.113 | 17.693 | <.001 $\times$ |
| ND Oh | ND 1h | -0.267 | 0.113 | -2.359 | 0.322 |
|  | ND 48h | -0.100 | 0.113 | -0.885 | 0.983 |
|  | ND 6h | -0.533 | 0.113 | -4.718 | 0.004 7 |
| ND 1h | ND 48h | 0.167 | 0.113 | 1.474 | 0.810 |
|  | ND 6h | -0.267 | 0.113 | -2.359 | 0.322 |
| ND 48h | ND 6h | -0.433 | 0.113 | -3.833 | 0.025 |

## ANOVA FIgure 4 - sWAT

ANOVA - H2AX

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | :---: | ---: | ---: | :---: | :---: |
| V1 | 80.385 | 7 | 11.484 | 357.9 | $<.001$ |
| Residual | 0.513 | 16 | 0.032 |  |  |

Note. Type III Sum of Squares

Post Hoc Tests $\mathbf{V}$

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |
| :--- | :--- | ---: | ---: | ---: | ---: |
| HFD 0h | HFD 1h | -0.067 | 0.146 | -0.456 | 1.000 |
|  | HFD 48h | -3.700 | 0.146 | -25.299 | $<.001 \boldsymbol{H F}$ |
|  | HFD 6h | -3.667 | 0.146 | -25.071 | $<.001 \boldsymbol{H F}$ |
|  | ND 0h | 0.233 | 0.146 | 1.595 | 0.746 |
|  | ND 1h | 0.233 | 0.146 | 1.595 | 0.747 |
|  | ND 48h | -3.467 | 0.146 | -23.704 | $<.001$ |
|  | ND 6h | -3.367 | 0.146 | -23.020 | $<.001$ |
|  | HFD 48h | -3.633 | 0.146 | -24.843 | $<.001$ |
|  | HFD 6h | -3.600 | 0.146 | -24.615 | $<.001$ |
|  | ND 0h | 0.300 | 0.146 | 2.051 | 0.481 |
|  | ND 1h | 0.300 | 0.146 | 2.051 | 0.481 |
|  | ND 48h | -3.400 | 0.146 | -23.248 | $<.001$ |
|  | ND 6h | -3.300 | 0.146 | -22.564 | $<.001$ |
|  | HFD 6h | 0.033 | 0.146 | 0.228 | 1.000 |
|  | ND 0h | 3.933 | 0.146 | 26.895 | $<.001$ |
|  | ND 1h | 3.933 | 0.146 | 26.895 | $<.001$ |
|  | ND 48h | 0.233 | 0.146 | 1.595 | 0.746 |
|  | ND 6h | 0.333 | 0.146 | 2.279 | 0.360 |
|  | ND 0h | 3.900 | 0.146 | 26.667 | $<.001$ |
|  | ND 1h | 3.900 | 0.146 | 26.667 | $<.001$ |
|  | ND 48h | 0.200 | 0.146 | 1.368 | 0.859 |
|  | ND 6h | 0.300 | 0.146 | 2.051 | 0.482 |
| ND 0h | ND 1h | $2.442 e-15$ | 0.146 | $1.670 \mathrm{e}-14$ | 1.000 |
|  | ND 48h | -3.700 | 0.146 | -25.299 | $<.001 \boldsymbol{H}$ |
|  | ND 6h | -3.600 | 0.146 | -24.615 | $<.001 \boldsymbol{H}$ |
|  | ND 48h | -3.700 | 0.146 | -25.299 | $<.001$ |
|  | ND 6h | -3.600 | 0.146 | -24.615 | $<.001$ |
|  | ND 6h | 0.100 | 0.146 | 0.684 | 0.996 |

## ANOVA FIgure 4 -vWAT

ANOVA - H2AX

| Cases | Sum of Squares | df | Mean Square | F | p |
| :--- | ---: | ---: | ---: | ---: | :---: |
| V1 | 228.040 | 7 | 32.577 | 309.0 | $<.001$ |
| Residual | 1.687 | 16 | 0.105 |  |  |

Note. Type III Sum of Squares

## Post Hoc Tests

Post Hoc Comparisons - V1

|  |  | Mean Difference | SE | t | ptukey |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HFD Oh | HFD 1h | -0.200 | 0.265 | -0.754 | 0.993 |
|  | HFD 48h | -3.467 | 0.265 | -13.077 | <.001 HH |
|  | HFD 6h | -9.367 | 0.265 | -35.333 | <.001H\% |
|  | ND Oh | 0.033 | 0.265 | 0.126 | 1.000 |
|  | ND 1h | -0.033 | 0.265 | -0.126 | 1.000 |
|  | ND 48h | -1.533 | 0.265 | -5.784 | <.001 |
|  | ND 6h | -4.267 | 0.265 | -16.095 | <.001 |
| HFD 1h | HFD 48h | -3.267 | 0.265 | -12.322 | <.001 |
|  | HFD 6h | -9.167 | 0.265 | -34.578 | <. 001 |
|  | ND Oh | 0.233 | 0.265 | 0.880 | 0.984 |
|  | ND 1h | 0.167 | 0.265 | 0.629 | 0.998 |
|  | ND 48h | -1.333 | 0.265 | -5.030 | 0.002 |
|  | ND 6h | -4.067 | 0.265 | -15.340 | <.001 |
| HFD 48h | HFD 6h | -5.900 | 0.265 | -22.256 | <.001 |
|  | ND Oh | 3.500 | 0.265 | 13.203 | <.001 |
|  | ND 1h | 3.433 | 0.265 | 12.951 | <. 001 |
|  | ND 48h | 1.933 | 0.265 | 7.293 | < 0.001 *** |
|  | ND 6h | -0.800 | 0.265 | -3.018 | 0.112 |
| HFD 6h | ND Oh | 9.400 | 0.265 | 35.458 | <. 001 |
|  | ND 1h | 9.333 | 0.265 | 35.207 | <.001 |
|  | ND 48h | 7.833 | 0.265 | 29.549 | <. 001 |
|  | ND 6h | 5.100 | 0.265 | 19.238 | < .001 *** |
| ND Oh | ND 1h | -0.067 | 0.265 | -0.251 | 1.000 |
|  | ND 48h | -1.567 | 0.265 | -5.910 | <.001H\% |
|  | ND 6h | -4.300 | 0.265 | -16.220 | <.001H\% |
| ND 1h | ND 48h | -1.500 | 0.265 | -5.658 | <. 001 |
|  | ND 6h | -4.233 | 0.265 | -15.969 | <. 001 |
| ND 48h | ND 6h | -2.733 | 0.265 | -10.311 | <. 001 |

