**Linear models by individual KO sample, instead of merged, biggest coefficients highlighted:**

[1] "KO.G.1"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.7931 -0.2594 -0.0182 0.2533 2.9703

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.970402 0.005578 173.985 < 2e-16 \*\*\*

aveData[, 5:8]WT.8 0.021356 0.011202 1.906 0.0567 .

aveData[, 5:8]WT.16 -0.170416 0.022502 -7.573 4.31e-14 \*\*\*

aveData[, 5:8]WT.24 0.175089 0.016504 10.609 < 2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4757 on 4998 degrees of freedom

Multiple R-squared: 0.9977, Adjusted R-squared: 0.9977

F-statistic: 5.383e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.G.2"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.8201 -0.3154 -0.0088 0.3223 3.8102

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.995558 0.006692 148.766 < 2e-16 \*\*\*

aveData[, 5:8]WT.8 -0.043075 0.013441 -3.205 0.00136 \*\*

aveData[, 5:8]WT.16 -0.043624 0.026999 -1.616 0.10621

aveData[, 5:8]WT.24 0.088452 0.019803 4.467 8.12e-06 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5708 on 4998 degrees of freedom

Multiple R-squared: 0.9967, Adjusted R-squared: 0.9967

F-statistic: 3.748e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.G.3"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-4.0346 -0.2848 -0.0171 0.2791 2.6783

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.923401 0.005787 159.551 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.106477 0.011624 9.160 <2e-16 \*\*\*

aveData[, 5:8]WT.16 -0.227768 0.023350 -9.755 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.192958 0.017126 11.267 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4937 on 4998 degrees of freedom

Multiple R-squared: 0.9975, Adjusted R-squared: 0.9975

F-statistic: 4.986e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.8.2"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.5538 -0.2935 0.0270 0.3287 3.3771

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.152797 0.006134 24.91 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.863008 0.012319 70.05 <2e-16 \*\*\*

aveData[, 5:8]WT.16 -0.275702 0.024747 -11.14 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.254157 0.018151 14.00 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5232 on 4998 degrees of freedom

Multiple R-squared: 0.9972, Adjusted R-squared: 0.9972

F-statistic: 4.435e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.8.3"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-2.9434 -0.3377 0.0758 0.4370 3.4046

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.471792 0.007997 59.00 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.983386 0.016061 61.23 <2e-16 \*\*\*

aveData[, 5:8]WT.16 -0.868375 0.032263 -26.91 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.406884 0.023664 17.20 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6821 on 4998 degrees of freedom

Multiple R-squared: 0.9952, Adjusted R-squared: 0.9952

F-statistic: 2.616e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.8.5"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.7983 -0.3152 0.0198 0.3445 3.4354

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.457395 0.006535 69.988 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.413054 0.013126 31.469 <2e-16 \*\*\*

aveData[, 5:8]WT.16 0.095387 0.026367 3.618 0.0003 \*\*\*

aveData[, 5:8]WT.24 0.031656 0.019339 1.637 0.1017

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5574 on 4998 degrees of freedom

Multiple R-squared: 0.9968, Adjusted R-squared: 0.9968

F-statistic: 3.921e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.16.1"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.6425 -0.4152 -0.0324 0.3858 3.2951

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.618132 0.007448 82.993 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.184084 0.014959 12.306 <2e-16 \*\*\*

aveData[, 5:8]WT.16 0.020628 0.030049 0.686 0.492

aveData[, 5:8]WT.24 0.184370 0.022039 8.365 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6353 on 4998 degrees of freedom

Multiple R-squared: 0.9959, Adjusted R-squared: 0.9959

F-statistic: 3.068e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.16.2"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-4.0540 -0.4655 0.0397 0.5400 3.8506

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.41737 0.00951 43.88 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.78775 0.01910 41.24 <2e-16 \*\*\*

aveData[, 5:8]WT.16 -0.88929 0.03837 -23.18 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.68068 0.02814 24.19 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.8112 on 4998 degrees of freedom

Multiple R-squared: 0.9933, Adjusted R-squared: 0.9933

F-statistic: 1.846e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.16.3"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-4.4804 -0.2686 0.0140 0.2935 2.9995

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.20604 0.00550 37.459 < 2e-16 \*\*\*

aveData[, 5:8]WT.8 0.22281 0.01105 20.169 < 2e-16 \*\*\*

aveData[, 5:8]WT.16 0.63104 0.02219 28.436 < 2e-16 \*\*\*

aveData[, 5:8]WT.24 -0.06376 0.01628 -3.917 9.07e-05 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4692 on 4998 degrees of freedom

Multiple R-squared: 0.9977, Adjusted R-squared: 0.9977

F-statistic: 5.51e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.24.1"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.5364 -0.2472 0.0791 0.3480 2.6411

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.122490 0.005835 20.991 <2e-16 \*\*\*

aveData[, 5:8]WT.8 -0.026030 0.011720 -2.221 0.0264 \*

aveData[, 5:8]WT.16 0.441832 0.023543 18.767 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.452119 0.017267 26.184 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4977 on 4998 degrees of freedom

Multiple R-squared: 0.9974, Adjusted R-squared: 0.9974

F-statistic: 4.821e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.24.2"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.2087 -0.3617 0.0362 0.4086 2.9529

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.094314 0.006986 13.500 < 2e-16 \*\*\*

aveData[, 5:8]WT.8 0.295163 0.014031 21.036 < 2e-16 \*\*\*

aveData[, 5:8]WT.16 0.120877 0.028186 4.289 1.83e-05 \*\*\*

aveData[, 5:8]WT.24 0.488278 0.020673 23.619 < 2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5959 on 4998 degrees of freedom

Multiple R-squared: 0.9964, Adjusted R-squared: 0.9964

F-statistic: 3.424e+05 on 4 and 4998 DF, p-value: < 2.2e-16

[1] "KO.24.3"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, 5:8])

Residuals:

Min 1Q Median 3Q Max

-3.7690 -0.4174 -0.0223 0.3765 3.1583

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, 5:8]WT.G 0.388139 0.007302 53.15 <2e-16 \*\*\*

aveData[, 5:8]WT.8 0.607554 0.014666 41.42 <2e-16 \*\*\*

aveData[, 5:8]WT.16 -0.435778 0.029461 -14.79 <2e-16 \*\*\*

aveData[, 5:8]WT.24 0.443856 0.021608 20.54 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6229 on 4998 degrees of freedom

Multiple R-squared: 0.9961, Adjusted R-squared: 0.9961

F-statistic: 3.173e+05 on 4 and 4998 DF, p-value: < 2.2e-16

**The same again but with simple linear regression instead:**

[1] "KO.G.1 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8151 -0.2560 -0.0042 0.2676 2.8032

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9950181 0.0006921 1438 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4856 on 5002 degrees of freedom

Multiple R-squared: 0.9976, Adjusted R-squared: 0.9976

F-statistic: 2.067e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.1 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-8.7343 -0.6498 0.1107 0.8877 4.9422

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.986281 0.001827 539.9 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.284 on 5002 degrees of freedom

Multiple R-squared: 0.9831, Adjusted R-squared: 0.9831

F-statistic: 2.915e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.1 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-10.0295 -0.8351 0.1412 1.1217 6.1298

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.984937 0.002343 420.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.64 on 5002 degrees of freedom

Multiple R-squared: 0.9725, Adjusted R-squared: 0.9725

F-statistic: 1.767e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.1 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-10.7222 -0.9851 0.1848 1.3434 6.6646

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.982737 0.002687 365.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.876 on 5002 degrees of freedom

Multiple R-squared: 0.964, Adjusted R-squared: 0.964

F-statistic: 1.338e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.2 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8461 -0.3113 0.0033 0.3378 3.7507

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9962485 0.0008193 1216 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5749 on 5002 degrees of freedom

Multiple R-squared: 0.9966, Adjusted R-squared: 0.9966

F-statistic: 1.478e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.2 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-9.3400 -0.7264 0.1149 0.9610 4.9721

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.987082 0.001924 513.1 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.352 on 5002 degrees of freedom

Multiple R-squared: 0.9814, Adjusted R-squared: 0.9813

F-statistic: 2.632e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.2 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-10.6374 -0.8944 0.1569 1.1955 6.1779

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.985795 0.002416 408 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.691 on 5002 degrees of freedom

Multiple R-squared: 0.9708, Adjusted R-squared: 0.9708

F-statistic: 1.665e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.2 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-11.3275 -1.0201 0.1847 1.3863 6.8722

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.983439 0.002762 356 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.929 on 5002 degrees of freedom

Multiple R-squared: 0.962, Adjusted R-squared: 0.962

F-statistic: 1.268e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.3 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.0242 -0.2829 -0.0050 0.3080 2.6829

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9936328 0.0007278 1365 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5107 on 5002 degrees of freedom

Multiple R-squared: 0.9973, Adjusted R-squared: 0.9973

F-statistic: 1.864e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.3 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-9.0167 -0.6185 0.1131 0.8598 4.9439

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.985574 0.001766 558.2 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.241 on 5002 degrees of freedom

Multiple R-squared: 0.9842, Adjusted R-squared: 0.9842

F-statistic: 3.116e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.3 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-10.3080 -0.8118 0.1551 1.1222 5.9603

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.984078 0.002308 426.4 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.615 on 5002 degrees of freedom

Multiple R-squared: 0.9732, Adjusted R-squared: 0.9732

F-statistic: 1.818e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.G.3 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-11.0005 -0.9476 0.1719 1.3000 6.7378

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.981904 0.002653 370.1 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.853 on 5002 degrees of freedom

Multiple R-squared: 0.9648, Adjusted R-squared: 0.9648

F-statistic: 1.37e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.2 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.2908 -0.5802 0.1570 0.8549 7.0273

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.98733 0.00171 577.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.2 on 5002 degrees of freedom

Multiple R-squared: 0.9852, Adjusted R-squared: 0.9852

F-statistic: 3.332e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.2 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.6819 -0.2884 0.0382 0.3570 3.3361

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9916010 0.0007964 1245 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5596 on 5002 degrees of freedom

Multiple R-squared: 0.9968, Adjusted R-squared: 0.9968

F-statistic: 1.55e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.2 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.1847 -0.5879 0.0279 0.7107 3.9778

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.992020 0.001445 686.7 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.011 on 5002 degrees of freedom

Multiple R-squared: 0.9895, Adjusted R-squared: 0.9895

F-statistic: 4.716e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.2 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.5848 -0.7659 0.0555 0.9115 4.9413

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.991140 0.001815 546 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.268 on 5002 degrees of freedom

Multiple R-squared: 0.9835, Adjusted R-squared: 0.9835

F-statistic: 2.981e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.3 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.4779 -0.4729 0.1963 0.7256 4.4932

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.992112 0.001399 709.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.9815 on 5002 degrees of freedom

Multiple R-squared: 0.9902, Adjusted R-squared: 0.9902

F-statistic: 5.031e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.3 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.9085 -0.4395 0.0970 0.6133 4.1063

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.990601 0.001397 709 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.9818 on 5002 degrees of freedom

Multiple R-squared: 0.9901, Adjusted R-squared: 0.9901

F-statistic: 5.027e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.3 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-7.1725 -0.8221 0.1112 1.0662 5.7874

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.987393 0.002202 448.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.541 on 5002 degrees of freedom

Multiple R-squared: 0.9757, Adjusted R-squared: 0.9757

F-statistic: 2.012e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.3 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-7.8724 -0.9707 0.1097 1.2521 7.0429

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.985452 0.002545 387.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.777 on 5002 degrees of freedom

Multiple R-squared: 0.9677, Adjusted R-squared: 0.9677

F-statistic: 1.5e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.5 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.7054 -0.4365 0.0862 0.6129 5.0841

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.992550 0.001284 773.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.9006 on 5002 degrees of freedom

Multiple R-squared: 0.9917, Adjusted R-squared: 0.9917

F-statistic: 5.98e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.5 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.1267 -0.4409 0.0495 0.5660 3.4549

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.992015 0.001121 885 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.7877 on 5002 degrees of freedom

Multiple R-squared: 0.9937, Adjusted R-squared: 0.9937

F-statistic: 7.833e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.5 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.4637 -0.6552 0.0632 0.8329 4.3160

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.992393 0.001653 600.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.157 on 5002 degrees of freedom

Multiple R-squared: 0.9863, Adjusted R-squared: 0.9863

F-statistic: 3.606e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.8.5 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-6.1757 -0.8361 0.0733 1.0367 5.2835

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.99086 0.00205 483.4 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.431 on 5002 degrees of freedom

Multiple R-squared: 0.979, Adjusted R-squared: 0.979

F-statistic: 2.337e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.1 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.0547 -0.5040 0.0391 0.5660 5.6161

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 1.001438 0.001229 814.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.8627 on 5002 degrees of freedom

Multiple R-squared: 0.9925, Adjusted R-squared: 0.9925

F-statistic: 6.635e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.1 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.3290 -0.5703 0.0427 0.6271 4.7024

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.998797 0.001398 714.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.9824 on 5002 degrees of freedom

Multiple R-squared: 0.9903, Adjusted R-squared: 0.9903

F-statistic: 5.105e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.1 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.3855 -0.7291 0.0064 0.7423 5.5034

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.999729 0.001799 555.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.259 on 5002 degrees of freedom

Multiple R-squared: 0.9841, Adjusted R-squared: 0.9841

F-statistic: 3.089e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.1 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-6.0541 -0.8596 0.0131 0.9341 6.8185

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.998487 0.002147 465.1 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.499 on 5002 degrees of freedom

Multiple R-squared: 0.9774, Adjusted R-squared: 0.9774

F-statistic: 2.163e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.2 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.1228 -0.6377 0.1391 0.8451 5.1864

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.990192 0.001635 605.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.147 on 5002 degrees of freedom

Multiple R-squared: 0.9866, Adjusted R-squared: 0.9866

F-statistic: 3.67e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.2 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.3771 -0.4895 0.0784 0.6381 4.0287

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.990484 0.001397 708.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.982 on 5002 degrees of freedom

Multiple R-squared: 0.9901, Adjusted R-squared: 0.9901

F-statistic: 5.024e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.2 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-6.6920 -0.7108 0.1110 0.9152 5.6539

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.989851 0.001957 505.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.37 on 5002 degrees of freedom

Multiple R-squared: 0.9808, Adjusted R-squared: 0.9808

F-statistic: 2.559e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.2 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-7.4200 -0.8025 0.1039 1.0499 6.6431

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.989191 0.002226 444.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.554 on 5002 degrees of freedom

Multiple R-squared: 0.9753, Adjusted R-squared: 0.9753

F-statistic: 1.975e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.3 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.2691 -0.6559 0.1184 0.8678 8.2584

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.98589 0.00179 550.7 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.256 on 5002 degrees of freedom

Multiple R-squared: 0.9838, Adjusted R-squared: 0.9838

F-statistic: 3.032e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.3 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.6773 -0.3552 0.0635 0.4939 3.0949

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9901300 0.0009637 1027 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6772 on 5002 degrees of freedom

Multiple R-squared: 0.9953, Adjusted R-squared: 0.9953

F-statistic: 1.056e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.3 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.4493 -0.3714 0.0311 0.4337 3.3005

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9941113 0.0009828 1012 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6878 on 5002 degrees of freedom

Multiple R-squared: 0.9951, Adjusted R-squared: 0.9951

F-statistic: 1.023e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.16.3 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.1703 -0.5529 0.0168 0.6286 4.1021

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.993682 0.001412 703.6 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.9863 on 5002 degrees of freedom

Multiple R-squared: 0.99, Adjusted R-squared: 0.99

F-statistic: 4.951e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.1 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-6.8328 -0.7494 0.2501 1.1930 9.2034

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.97288 0.00231 421.1 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.621 on 5002 degrees of freedom

Multiple R-squared: 0.9726, Adjusted R-squared: 0.9726

F-statistic: 1.774e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.1 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8423 -0.4618 0.1812 0.7714 4.1276

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.979835 0.001426 687.3 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.002 on 5002 degrees of freedom

Multiple R-squared: 0.9895, Adjusted R-squared: 0.9895

F-statistic: 4.724e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.1 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8145 -0.2537 0.0827 0.3788 3.0970

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9875139 0.0007772 1271 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.544 on 5002 degrees of freedom

Multiple R-squared: 0.9969, Adjusted R-squared: 0.9969

F-statistic: 1.614e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.1 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.3114 -0.2918 0.0952 0.4582 2.5905

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.9891554 0.0008947 1106 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6248 on 5002 degrees of freedom

Multiple R-squared: 0.9959, Adjusted R-squared: 0.9959

F-statistic: 1.222e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.2 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.4832 -0.8034 0.1771 1.1558 9.2349

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.983442 0.002214 444.2 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.553 on 5002 degrees of freedom

Multiple R-squared: 0.9753, Adjusted R-squared: 0.9753

F-statistic: 1.973e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.2 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.4192 -0.4929 0.0932 0.6591 3.6749

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.990338 0.001256 788.4 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.8828 on 5002 degrees of freedom

Multiple R-squared: 0.992, Adjusted R-squared: 0.992

F-statistic: 6.215e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.2 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8147 -0.3824 0.0518 0.4617 3.4310

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.996053 0.000965 1032 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6754 on 5002 degrees of freedom

Multiple R-squared: 0.9953, Adjusted R-squared: 0.9953

F-statistic: 1.065e+06 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.2 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.3032 -0.4433 0.0552 0.5255 3.9534

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.997188 0.001157 861.5 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.8083 on 5002 degrees of freedom

Multiple R-squared: 0.9933, Adjusted R-squared: 0.9933

F-statistic: 7.422e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.3 and WT.G"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-5.0016 -0.6016 0.0866 0.7221 7.1712

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.996692 0.001495 666.9 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.049 on 5002 degrees of freedom

Multiple R-squared: 0.9889, Adjusted R-squared: 0.9889

F-statistic: 4.447e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.3 and WT.8"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.7491 -0.4603 0.0128 0.4980 3.9032

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.997621 0.001119 891.2 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.7866 on 5002 degrees of freedom

Multiple R-squared: 0.9937, Adjusted R-squared: 0.9937

F-statistic: 7.943e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.3 and WT.16"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-3.8614 -0.6717 0.0028 0.6899 5.3295

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.998153 0.001638 609.2 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.147 on 5002 degrees of freedom

Multiple R-squared: 0.9867, Adjusted R-squared: 0.9867

F-statistic: 3.711e+05 on 1 and 5002 DF, p-value: < 2.2e-16

[1] "KO.24.3 and WT.24"

Call:

lm(formula = ns6Data[vars, i] ~ 0 + aveData[, j2])

Residuals:

Min 1Q Median 3Q Max

-4.1857 -0.8269 0.0075 0.8557 6.6376

Coefficients:

Estimate Std. Error t value Pr(>|t|)

aveData[, j2] 0.99744 0.00196 508.8 <2e-16 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.369 on 5002 degrees of freedom

Multiple R-squared: 0.981, Adjusted R-squared: 0.981

F-statistic: 2.589e+05 on 1 and 5002 DF, p-value: < 2.2e-16