Table 1: Balance statistics: oxbe

| variable | unadj. correlation | adj. correlation | threshold |
| --- | --- | --- | --- |
| binary | | | |
| cohort\_BIB \* h\_ethnicity\_spiro\_5 | 0.486 | 0.015 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_summer | 0.170 | 0.012 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_BIB | 0.018 | 0.010 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_2 | 0.025 | 0.009 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_winter | 0.007 | 0.008 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_3 | 0.041 | 0.008 | Balanced, <0.1 |
| cohort\_BIB \* e3\_asmokyn\_p\_2 | 0.116 | 0.007 | Balanced, <0.1 |
| hs\_date\_neu\_summer \* e3\_sex\_1 | 0.015 | 0.007 | Balanced, <0.1 |
| cohort\_BIB \* e3\_sex\_1 | 0.030 | 0.007 | Balanced, <0.1 |
| cohort\_BIB | 0.106 | 0.007 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_summer | 0.011 | 0.006 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_summer | 0.104 | 0.006 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_sex\_1 | 0.002 | 0.006 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_psmokanyt\_2 | 0.120 | 0.006 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_summer | 0.134 | 0.006 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_1 | 0.167 | 0.006 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_4 | 0.004 | 0.006 | Balanced, <0.1 |
| hs\_date\_neu\_summer | 0.094 | 0.006 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_BIB | 0.117 | 0.006 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_5 | 0.113 | 0.005 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_4 | 0.007 | 0.005 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_summer | 0.171 | 0.005 | Balanced, <0.1 |
| cohort\_BIB \* e3\_psmokanyt\_2 | 0.113 | 0.005 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_summer | 0.017 | 0.005 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_summer | 0.113 | 0.005 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_summer | 0.184 | 0.005 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_autumn | 0.002 | 0.005 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_autumn | 0.002 | 0.004 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_psmokanyt\_1 | 0.021 | 0.004 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_3 | 0.027 | 0.004 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_psmokanyt\_2 | 0.001 | 0.004 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_3 | 0.006 | 0.004 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_sex\_1 | -0.005 | 0.004 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_2 | -0.006 | 0.004 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_3 | 0.022 | 0.004 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_psmokanyt\_2 | -0.003 | 0.004 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* e3\_sex\_1 | 0.005 | 0.004 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_summer | 0.014 | 0.004 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_asmokyn\_p\_1 | -0.003 | 0.004 | Balanced, <0.1 |
| e3\_sex | -0.007 | 0.004 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_asmokyn\_p\_2 | 0.081 | 0.003 | Balanced, <0.1 |
| cohort\_BIB \* e3\_psmokanyt\_1 | 0.011 | 0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_psmokanyt\_2 | 0.041 | 0.003 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_asmokyn\_p\_2 | 0.014 | 0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_sex\_1 | -0.006 | 0.003 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_sex\_1 | 0.029 | 0.003 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_2 | -0.011 | 0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 | 0.078 | 0.003 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_BIB | 0.009 | 0.003 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_spring | 0.026 | 0.003 | Balanced, <0.1 |
| cohort\_KANC \* e3\_psmokanyt\_2 | 0.003 | 0.003 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_5 | -0.004 | 0.003 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_summer | 0.010 | 0.003 | Balanced, <0.1 |
| hs\_tob\_1 | 0.046 | 0.003 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_asmokyn\_p\_2 | 0.047 | 0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_sex\_1 | -0.006 | 0.003 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_psmokanyt\_2 | 0.056 | 0.003 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_5 | -0.001 | 0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_2 | 0.009 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_sex\_0 | 0.100 | 0.002 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_4 | 0.003 | 0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_SAB | -0.014 | 0.002 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_RHEA | -0.007 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_winter | 0.012 | 0.002 | Balanced, <0.1 |
| cohort\_BIB \* e3\_sex\_0 | 0.109 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_4 | -0.008 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_spring | -0.006 | 0.002 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_4 | 0.001 | 0.002 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_spring | -0.005 | 0.002 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_sex\_1 | -0.006 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_summer | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_finance\_4 | -0.009 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_spring | -0.002 | 0.002 | Balanced, <0.1 |
| cohort\_SAB \* e3\_psmokanyt\_1 | -0.015 | 0.002 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_5 | -0.004 | 0.002 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_sex\_1 | -0.004 | 0.002 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_psmokanyt\_1 | -0.013 | 0.002 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_1 | -0.006 | 0.002 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_asmokyn\_p\_2 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_sex\_0 | 0.042 | 0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_sex\_1 | -0.002 | 0.002 | Balanced, <0.1 |
| hs\_finance\_3 | 0.004 | 0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_spring | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_date\_neu\_winter \* e3\_sex\_1 | -0.008 | 0.002 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_4 | -0.005 | 0.002 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_psmokanyt\_2 | 0.021 | 0.002 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_spring | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_asmokyn\_p\_2 | -0.007 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_sex\_1 | 0.001 | 0.002 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_6 | 0.000 | 0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_KANC | -0.001 | 0.002 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_3 | -0.016 | 0.002 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_asmokyn\_p\_2 | -0.016 | 0.002 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_2 | 0.000 | 0.002 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_summer | 0.007 | 0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_winter | 0.012 | 0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_MOBA | -0.009 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_autumn | -0.016 | 0.001 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_2 | 0.002 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_5 | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_sex\_1 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_1 | -0.005 | 0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 | 0.022 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_spring | -0.012 | 0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_3 | -0.003 | 0.001 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_autumn | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_spring | 0.006 | 0.001 | Balanced, <0.1 |
| e3\_psmokanyt\_2 | 0.033 | 0.001 | Balanced, <0.1 |
| hs\_date\_neu\_summer \* e3\_sex\_0 | 0.107 | 0.001 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_1 | 0.134 | 0.001 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_date\_neu\_autumn | -0.009 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 | -0.002 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_3 | -0.014 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_3 | 0.004 | 0.001 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_asmokyn\_p\_1 | -0.005 | 0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_sex\_1 | 0.008 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_asmokyn\_p\_2 | -0.005 | 0.001 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_sex\_1 | -0.003 | 0.001 | Balanced, <0.1 |
| hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_2 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_asmokyn\_p\_1 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_psmokanyt\_1 | -0.002 | 0.001 | Balanced, <0.1 |
| cohort\_MOBA | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_asmokyn\_p\_2 | -0.010 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_asmokyn\_p\_2 | -0.002 | 0.001 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_psmokanyt\_2 | -0.017 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* e3\_sex\_0 | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_summer | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_autumn | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_4 | -0.003 | 0.001 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_autumn | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_psmokanyt\_1 | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_sex\_1 | -0.005 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_sex\_1 | -0.003 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_asmokyn\_p\_1 | 0.000 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* e3\_asmokyn\_p\_1 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_3 | -0.016 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_autumn | -0.005 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_psmokanyt\_1 | -0.003 | 0.001 | Balanced, <0.1 |
| cohort\_KANC \* e3\_sex\_1 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_spring | -0.014 | 0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_autumn | -0.004 | 0.001 | Balanced, <0.1 |
| hs\_date\_neu\_spring \* e3\_sex\_0 | -0.019 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_sex\_0 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_summer | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_3 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_sex\_0 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_1 | -0.012 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_autumn | -0.001 | 0.001 | Balanced, <0.1 |
| cohort\_SAB | -0.025 | 0.001 | Balanced, <0.1 |
| cohort\_SAB \* h\_ethnicity\_spiro\_3 | -0.025 | 0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_psmokanyt\_2 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_5 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_date\_neu\_autumn \* e3\_sex\_1 | -0.010 | 0.001 | Balanced, <0.1 |
| cohort\_KANC \* e3\_asmokyn\_p\_2 | -0.010 | 0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_3 | 0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_1 | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_KANC | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_3 \* h\_ethnicity\_spiro\_5 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_sex\_1 | -0.002 | 0.000 | Balanced, <0.1 |
| hs\_tob\_4 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_MOBA | -0.002 | 0.000 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_MOBA | -0.009 | 0.000 | Balanced, <0.1 |
| cohort\_KANC \* h\_ethnicity\_spiro\_5 | -0.010 | 0.000 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_1 | -0.020 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_SAB | -0.008 | 0.000 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* e3\_sex\_1 | -0.014 | 0.000 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_autumn | -0.006 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_4 | 0.001 | 0.000 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_spring | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_psmokanyt\_1 | -0.011 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_3 | 0.001 | 0.000 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_psmokanyt\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| cohort\_SAB \* e3\_asmokyn\_p\_2 | -0.023 | 0.000 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_winter | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_summer | -0.009 | 0.000 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_date\_neu\_winter | -0.015 | 0.000 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_3 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_asmokyn\_p\_1 | -0.006 | 0.000 | Balanced, <0.1 |
| cohort\_KANC | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 | -0.020 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_asmokyn\_p\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_spring | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_MOBA | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_psmokanyt\_2 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_MOBA | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_winter | -0.002 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_spring | -0.003 | 0.000 | Balanced, <0.1 |
| cohort\_SAB \* e3\_sex\_1 | -0.015 | 0.000 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_summer | -0.008 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_finance\_2 | -0.004 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_6 | -0.004 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_4 | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_psmokanyt\_1 | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_sex\_0 | -0.021 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_5 | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_summer | -0.004 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_sex\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_autumn | -0.011 | 0.000 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_asmokyn\_p\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_psmokanyt\_1 | -0.013 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_sex\_0 | -0.004 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_asmokyn\_p\_2 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_1 | -0.004 | -0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_summer | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_asmokyn\_p\_1 | -0.010 | -0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_spring | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_winter | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_autumn | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_sex\_1 | -0.014 | -0.001 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_winter | -0.019 | -0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_summer | -0.009 | -0.001 | Balanced, <0.1 |
| cohort\_KANC \* e3\_sex\_0 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_psmokanyt\_2 | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_psmokanyt\_1 | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_autumn | -0.019 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_winter | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_1 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_EDEN | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_summer | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_asmokyn\_p\_2 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_3 | -0.020 | -0.001 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_psmokanyt\_2 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_1 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_asmokyn\_p\_1 | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_winter | -0.004 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_sex\_0 | -0.018 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_5 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_6 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_asmokyn\_p\_1 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_finance\_3 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_asmokyn\_p\_1 | -0.007 | -0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_winter | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_sex\_0 | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_KANC | -0.009 | -0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_2 | -0.012 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_5 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_SAB | -0.005 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_1 | -0.009 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_2 | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_5 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_psmokanyt\_2 | -0.022 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_asmokyn\_p\_1 | -0.021 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_2 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_winter | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_sex\_1 | -0.022 | -0.001 | Balanced, <0.1 |
| hs\_date\_neu\_autumn | -0.025 | -0.001 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_autumn | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_asmokyn\_p\_1 | -0.004 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_psmokanyt\_2 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_RHEA | -0.005 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_asmokyn\_p\_2 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_psmokanyt\_2 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_sex\_1 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* hs\_date\_neu\_autumn | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* hs\_finance\_1 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_sex\_0 | 0.020 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_psmokanyt\_1 | -0.031 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_6 | -0.003 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_6 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_KANC | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_winter | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_4 | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_SAB | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_autumn | -0.012 | -0.001 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_5 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_summer | -0.006 | -0.001 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_5 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_finance\_2 | -0.028 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_3 | -0.004 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_5 | -0.004 | -0.001 | Balanced, <0.1 |
| cohort\_BIB \* e3\_asmokyn\_p\_1 | -0.009 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_psmokanyt\_2 | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_RHEA | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_asmokyn\_p\_1 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_winter | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_RHEA | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_2 | -0.005 | -0.001 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_psmokanyt\_1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_2 | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_5 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_date\_neu\_spring | -0.019 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_3 | -0.004 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_winter | -0.004 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_winter | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_asmokyn\_p\_2 | -0.017 | -0.001 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_psmokanyt\_1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_sex\_0 | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_2 | -0.006 | -0.001 | Balanced, <0.1 |
| cohort\_SAB \* e3\_psmokanyt\_2 | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_psmokanyt\_2 | 0.045 | -0.002 | Balanced, <0.1 |
| cohort\_KANC \* h\_ethnicity\_spiro\_3 | -0.006 | -0.002 | Balanced, <0.1 |
| cohort\_RHEA | -0.017 | -0.002 | Balanced, <0.1 |
| cohort\_RHEA \* h\_ethnicity\_spiro\_3 | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_psmokanyt\_1 | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_psmokanyt\_1 | -0.016 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_6 | -0.004 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_winter | -0.015 | -0.002 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* e3\_sex\_0 | -0.026 | -0.002 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_sex\_0 | -0.006 | -0.002 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_spring | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_asmokyn\_p\_2 | -0.026 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_SAB | -0.011 | -0.002 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_2 | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_asmokyn\_p\_2 | 0.038 | -0.002 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_summer | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_autumn | -0.013 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_4 | -0.006 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_2 | -0.027 | -0.002 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_asmokyn\_p\_1 | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_KANC | -0.009 | -0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_5 | -0.009 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_5 | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_date\_neu\_autumn \* e3\_sex\_0 | -0.022 | -0.002 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_asmokyn\_p\_1 | -0.016 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_BIB | -0.007 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_asmokyn\_p\_1 | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_autumn | -0.006 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_psmokanyt\_2 | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_sex\_0 | 0.063 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* h\_ethnicity\_spiro\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| cohort\_KANC \* e3\_asmokyn\_p\_1 | -0.008 | -0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_2 | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_3 | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_3 | -0.016 | -0.002 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_4 | -0.011 | -0.002 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_psmokanyt\_1 | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_psmokanyt\_2 | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_sex\_1 | -0.013 | -0.002 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_spring | -0.021 | -0.002 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_asmokyn\_p\_1 | -0.007 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_asmokyn\_p\_2 | -0.043 | -0.002 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_autumn | -0.019 | -0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_spring | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_sex\_0 | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_finance\_1 | 0.034 | -0.002 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_spring | -0.011 | -0.002 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_BIB | -0.009 | -0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_autumn | -0.018 | -0.002 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_4 | -0.007 | -0.002 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* e3\_sex\_0 | 0.030 | -0.002 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_winter | -0.013 | -0.002 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_autumn | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_winter | -0.022 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_psmokanyt\_1 | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_spring | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_date\_neu\_winter | -0.032 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_autumn | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_EDEN | -0.007 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_winter | -0.010 | -0.002 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_autumn | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_RHEA | -0.009 | -0.002 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_psmokanyt\_1 | -0.027 | -0.002 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_4 | -0.007 | -0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_winter | -0.036 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_EDEN | -0.009 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_psmokanyt\_2 | -0.018 | -0.003 | Balanced, <0.1 |
| hs\_date\_neu\_spring \* e3\_sex\_1 | -0.005 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_3 | -0.019 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_autumn | -0.014 | -0.003 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_winter | -0.024 | -0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_autumn | -0.027 | -0.003 | Balanced, <0.1 |
| cohort\_KANC \* e3\_psmokanyt\_1 | -0.019 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_asmokyn\_p\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_2 | -0.013 | -0.003 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_sex\_0 | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_summer | -0.013 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 | -0.064 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_spring | -0.012 | -0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_winter | -0.017 | -0.003 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_1 | 0.054 | -0.003 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_sex\_0 | -0.018 | -0.003 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_sex\_0 | -0.014 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_1 | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_winter | -0.024 | -0.003 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_1 | -0.014 | -0.003 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_sex\_1 | -0.017 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_spring | -0.017 | -0.003 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_asmokyn\_p\_2 | -0.017 | -0.004 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_winter | -0.017 | -0.004 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_psmokanyt\_1 | -0.015 | -0.004 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_2 | -0.016 | -0.004 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_spring | -0.017 | -0.004 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_asmokyn\_p\_1 | -0.016 | -0.004 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_sex\_0 | -0.021 | -0.004 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_spring | -0.020 | -0.004 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_EDEN | -0.022 | -0.004 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_1 | -0.015 | -0.004 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_sex\_0 | -0.023 | -0.004 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_3 | -0.015 | -0.004 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_EDEN | -0.014 | -0.004 | Balanced, <0.1 |
| hs\_date\_neu\_winter \* e3\_sex\_0 | -0.032 | -0.004 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_psmokanyt\_2 | -0.019 | -0.005 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_spring | -0.019 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_1 | -0.017 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_asmokyn\_p\_2 | -0.026 | -0.005 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_sex\_0 | -0.053 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_psmokanyt\_2 | -0.027 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_sex\_0 | -0.025 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_2 | -0.023 | -0.005 | Balanced, <0.1 |
| cohort\_EDEN | -0.031 | -0.007 | Balanced, <0.1 |
| cohort\_EDEN \* h\_ethnicity\_spiro\_3 | -0.031 | -0.007 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_4 | -0.258 | -0.086 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_4 | NaN | NaN |  |
| continuous | | | |
| hs\_hg\_c \* h\_ethnicity\_spiro\_5 | 0.476 | 0.013 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_summer | 0.088 | 0.008 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_summer | 0.145 | 0.008 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_BIB | 0.106 | 0.008 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_BIB | 0.132 | 0.007 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_BIB | 0.218 | 0.007 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_BIB | 0.109 | 0.007 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_BIB | 0.113 | 0.007 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_BIB | 0.142 | 0.007 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_summer | 0.125 | 0.007 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_summer | 0.108 | 0.007 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_BIB | 0.106 | 0.006 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_BIB | 0.095 | 0.006 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_5 | 0.170 | 0.006 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_BIB | 0.075 | 0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_sex\_1 | 0.003 | 0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_BIB | 0.093 | 0.006 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_BIB | 0.073 | 0.006 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_sex\_1 | 0.004 | 0.006 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_BIB | 0.113 | 0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_summer | 0.088 | 0.006 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_BIB | 0.098 | 0.006 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_summer | 0.141 | 0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg | 0.012 | 0.005 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_summer | 0.111 | 0.005 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_summer | 0.088 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_sex\_1 | 0.003 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_5 | 0.088 | 0.005 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_summer | 0.089 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_cu\_c | 0.012 | 0.005 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_summer | 0.092 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokyn\_p\_2 | 0.027 | 0.005 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_BIB | 0.107 | 0.005 | Balanced, <0.1 |
| FAS\_score \* cohort\_BIB | 0.063 | 0.005 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_SAB | -0.010 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_autumn | 0.007 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_autumn | 0.007 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_zn\_c | 0.010 | 0.005 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_5 | 0.010 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_se\_c | 0.032 | 0.005 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_4 | 0.002 | 0.005 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_5 | 0.130 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_1 | 0.047 | 0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_sex\_1 | 0.009 | 0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_creatinine\_cg | 0.061 | 0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_4 | -0.002 | 0.004 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_summer | 0.079 | 0.004 | Balanced, <0.1 |
| hs\_co\_c \* e3\_sex\_1 | -0.003 | 0.004 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_summer | 0.052 | 0.004 | Balanced, <0.1 |
| hs\_fastfood \* hs\_cd\_c | 0.012 | 0.004 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_BIB | 0.051 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_2 | 0.006 | 0.004 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_summer | 0.068 | 0.004 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_KANC | 0.010 | 0.004 | Balanced, <0.1 |
| hs\_c\_height \* hs\_creatinine\_cg | 0.001 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_autumn | 0.005 | 0.004 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_BIB | 0.016 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_2 | 0.005 | 0.004 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokyn\_p\_2 | 0.075 | 0.004 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_4 | -0.003 | 0.004 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_summer | 0.049 | 0.004 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_5 | 0.072 | 0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_summer | 0.043 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_3 | 0.001 | 0.004 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_3 | 0.010 | 0.004 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_1 | 0.053 | 0.004 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_BIB | 0.091 | 0.004 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_1 | 0.063 | 0.004 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_4 | -0.005 | 0.004 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_1 | 0.047 | 0.003 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_sex\_1 | -0.011 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_co\_c | 0.027 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_psmokanyt\_2 | 0.085 | 0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_BIB | 0.046 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_SAB | 0.002 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_SAB | 0.002 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_1 | 0.093 | 0.003 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_5 | 0.077 | 0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_co\_c | -0.002 | 0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_5 | 0.160 | 0.003 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_psmokanyt\_2 | 0.032 | 0.003 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_sex\_1 | -0.002 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_RHEA | 0.000 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_RHEA | 0.000 | 0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_4 | -0.004 | 0.003 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_5 | 0.082 | 0.003 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_BIB | -0.002 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_fruits | 0.065 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_pb\_c | 0.037 | 0.003 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_creatinine\_cg | -0.014 | 0.003 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_5 | 0.079 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_se\_c | 0.046 | 0.003 | Balanced, <0.1 |
| hs\_c\_height \* e3\_sex\_1 | -0.010 | 0.003 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_1 | 0.063 | 0.003 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_1 | 0.045 | 0.003 | Balanced, <0.1 |
| hs\_se\_c \* e3\_sex\_1 | -0.012 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_5 | 0.081 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_3 | 0.018 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_3 | 0.000 | 0.003 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_4 | -0.006 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_creatinine\_cg | 0.029 | 0.003 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_5 | 0.096 | 0.003 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_5 | 0.078 | 0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_creatinine\_cg | 0.015 | 0.003 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_1 | 0.009 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* e3\_sex\_1 | 0.009 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_2 | 0.008 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokyn\_p\_2 | 0.042 | 0.003 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_summer | 0.141 | 0.003 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_sex\_1 | -0.009 | 0.003 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_2 | 0.010 | 0.003 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_MOBA | -0.013 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t3 | -0.004 | 0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_2 | -0.003 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t2 | -0.005 | 0.003 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_5 | 0.066 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_se\_c | 0.094 | 0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_sex\_1 | -0.007 | 0.003 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_MOBA | -0.006 | 0.003 | Balanced, <0.1 |
| hs\_fastfood | 0.035 | 0.003 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_5 | 0.043 | 0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_sex\_1 | -0.009 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_MOBA | -0.011 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_psmokanyt\_1 | -0.004 | 0.003 | Balanced, <0.1 |
| hs\_age\_years \* e3\_sex\_1 | -0.012 | 0.003 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_4 | -0.007 | 0.003 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_4 | -0.007 | 0.003 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_1 | -0.005 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_co\_c | -0.004 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_psmokanyt\_1 | -0.004 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_zn\_c | 0.070 | 0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_fastfood | 0.040 | 0.003 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_2 | 0.013 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_4 | -0.007 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_co\_c | -0.004 | 0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_sex\_1 | -0.009 | 0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_4 | -0.006 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t2 | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t2 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_4 | -0.008 | 0.002 | Balanced, <0.1 |
| FAS\_score \* e3\_sex\_1 | -0.015 | 0.002 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_summer | 0.004 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_4 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_fastfood | 0.032 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_1 | 0.039 | 0.002 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_autumn | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t3 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_4 | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_1 | 0.046 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits | 0.067 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_1 | 0.024 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_fastfood | 0.024 | 0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_5 | 0.048 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_co\_c | -0.006 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_1 | 0.045 | 0.002 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_sex\_1 | -0.013 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_KANC | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_psmokanyt\_2 | 0.044 | 0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_cd\_c | -0.015 | 0.002 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_2 | 0.006 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_as\_c | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_2 | 0.005 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_4 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t3 | -0.001 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_sex\_1 | -0.005 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_zn\_c | 0.035 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_cu\_c | 0.030 | 0.002 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_5 | 0.073 | 0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_summer | 0.076 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_4 | -0.009 | 0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_4 | -0.009 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_4 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_5 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_BIB | 0.040 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_3 | 0.001 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_as\_c | -0.005 | 0.002 | Balanced, <0.1 |
| hs\_se\_c \* e3\_asmokyn\_p\_2 | 0.045 | 0.002 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_psmokanyt\_2 | 0.034 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_3 | 0.016 | 0.002 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_2 | -0.006 | 0.002 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_sex\_1 | -0.010 | 0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_3 | 0.008 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_pb\_c | 0.061 | 0.002 | Balanced, <0.1 |
| hs\_fastfood \* e3\_psmokanyt\_1 | 0.003 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_co\_c | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_asmokyn\_p\_2 | 0.021 | 0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_4 | -0.009 | 0.002 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t3 | -0.006 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_MOBA | -0.016 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_cu\_c | 0.062 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_cd\_c | -0.018 | 0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_3 | -0.002 | 0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_4 | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* FAS\_score | -0.033 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_fruits | 0.057 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_creatinine\_cg | -0.013 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_fastfood | 0.028 | 0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_3 | -0.002 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_RHEA | -0.003 | 0.002 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t2 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_autumn | -0.018 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokcigd\_t3 | -0.005 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_as\_c | -0.005 | 0.002 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_5 | 0.072 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokyn\_p\_2 | 0.024 | 0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_summer | 0.059 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_3 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_4 | -0.009 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_cu\_c | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_4 | -0.004 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_se\_c | 0.029 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_3 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_3 | 0.000 | 0.002 | Balanced, <0.1 |
| hs\_as\_c \* hs\_cd\_c | -0.016 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_fruits | 0.052 | 0.002 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_sex\_0 | 0.049 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_1 | 0.029 | 0.002 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_2 | -0.001 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_3 | -0.002 | 0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_3 | 0.002 | 0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_SAB | -0.021 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_4 | -0.003 | 0.002 | Balanced, <0.1 |
| hs\_org\_food \* e3\_psmokanyt\_2 | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_dift\_mealblood\_imp | -0.017 | 0.002 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_MOBA | -0.009 | 0.002 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_SAB | -0.016 | 0.002 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_5 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_5 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_cu\_c | 0.013 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_cu\_c | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokyn\_p\_2 | -0.005 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_2 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* e3\_psmokanyt\_2 | 0.039 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* FAS\_score | 0.010 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_5 | -0.005 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_pb\_c | 0.012 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_asmokyn\_p\_2 | 0.020 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_asmokyn\_p\_1 | -0.008 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_winter | -0.019 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_as\_c | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_2 | 0.001 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_asmokyn\_p\_2 | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_SAB | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_3 | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_dift\_mealblood\_imp | -0.011 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokyn\_p\_1 | -0.008 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 | -0.009 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_zn\_c | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_cu\_c | -0.014 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_zn\_c | 0.013 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_cd\_c | -0.019 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_MOBA | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_2 | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_SAB | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_winter | -0.004 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_MOBA | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_4 | -0.008 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_zn\_c | -0.008 | 0.001 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_2 | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_as\_c | -0.020 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_fruits | 0.031 | 0.001 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_MOBA | -0.016 | 0.001 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_sex\_1 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_SAB | -0.021 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_SAB | -0.023 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t | 0.013 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_psmokanyt\_2 | -0.016 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_cd\_c | -0.023 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t3 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_MOBA | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_SAB | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_se\_c | 0.028 | 0.001 | Balanced, <0.1 |
| FAS\_score \* cohort\_MOBA | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_zn\_c | -0.014 | 0.001 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_MOBA | -0.009 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_se\_c | -0.008 | 0.001 | Balanced, <0.1 |
| FAS\_score \* cohort\_SAB | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_KANC | -0.010 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_5 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_psmokanyt\_1 | -0.021 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_2 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_pb\_c | -0.012 | 0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_5 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_3 | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_se\_c | 0.054 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_1 | 0.039 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_3 | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* e3\_psmokanyt\_2 | 0.050 | 0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_creatinine\_cg | -0.012 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_se\_c | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_2 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_hg\_c | 0.047 | 0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_3 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_org\_food \* e3\_sex\_1 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_2 | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_MOBA | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t2 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_fastfood | 0.027 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_psmokanyt\_1 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_psmokanyt\_2 | 0.033 | 0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_4 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_c\_weight | -0.006 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_c\_height | 0.007 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_cd\_c | -0.023 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_pb\_c | 0.025 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_dift\_mealblood\_imp | 0.008 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_MOBA | -0.018 | 0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_1 | 0.006 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_zn\_c | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_3 | -0.003 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_4 | -0.006 | 0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_3 | -0.011 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_BIB | -0.003 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_cd\_c | -0.023 | 0.001 | Balanced, <0.1 |
| hs\_co\_c \* e3\_psmokanyt\_2 | 0.007 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_creatinine\_cg | 0.008 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_cd\_c | -0.006 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_5 | 0.060 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_SAB | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_4 | -0.006 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_5 | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_KANC | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* e3\_psmokanyt\_1 | -0.019 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_6 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t3 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_1 | 0.001 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_zn\_c | 0.036 | 0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_autumn | -0.014 | 0.001 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_2 | -0.003 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_BIB | -0.003 | 0.001 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_3 | -0.011 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_fruits | 0.045 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokyn\_p\_2 | 0.013 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_2 | -0.003 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_3 | -0.009 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_cd\_c | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_5 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_se\_c | -0.024 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_SAB | -0.025 | 0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_cd\_c | -0.025 | 0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_fruits | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_fish | 0.005 | 0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t1 | -0.011 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_MOBA | -0.018 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_SAB | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_1 | -0.011 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_spring | -0.010 | 0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_3 | 0.003 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_4 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_spring | 0.007 | 0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_1 | 0.011 | 0.001 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_psmokanyt\_1 | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t2 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_SAB | -0.025 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_4 | -0.002 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_4 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* FAS\_score | 0.008 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_SAB | -0.025 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* e3\_sex\_0 | 0.033 | 0.001 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_SAB | -0.023 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_2 | -0.004 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_cu\_c | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_total\_veg | 0.037 | 0.001 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_1 | -0.002 | 0.001 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_asmokyn\_p\_2 | 0.035 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_as\_c | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t3 | -0.009 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_pb\_c | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_2 | -0.004 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_hg\_c | 0.022 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_no2\_dy\_hs\_t | 0.000 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_dift\_mealblood\_imp | -0.007 | 0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_5 | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_psmokanyt\_2 | 0.010 | 0.000 | Balanced, <0.1 |
| FAS\_score \* cohort\_KANC | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_fruits | 0.058 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* e3\_psmokanyt\_2 | 0.025 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_pb\_c | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_5 | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t3 | -0.009 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_dift\_mealblood\_imp | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_4 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_KANC | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_2 | -0.006 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokcigd\_t3 | -0.006 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_spring | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_3 | -0.022 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t1 | -0.008 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokcigd\_t2 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_KANC | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_SAB | -0.021 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_winter | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_3 | -0.006 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_co\_c | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_hg\_c | 0.026 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* FAS\_score | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t2 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t2 | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_1 | 0.017 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_5 | -0.016 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_MOBA | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_3 | -0.002 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_2 | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokyn\_p\_2 | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_MOBA | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_2 | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_5 | 0.035 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_2 | -0.013 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_co\_c | -0.010 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_winter | -0.006 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_2 | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t2 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_zn\_c | -0.018 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_5 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_SAB | -0.017 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_5 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t3 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_2 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_2 | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_asmokyn\_p\_2 | 0.017 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_5 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_KANC | -0.011 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_as\_c | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_MOBA | -0.020 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_KANC | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_hg\_c | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_5 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_KANC | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_2 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_SAB | -0.021 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_4 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_5 | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_KANC | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* e3\_sex\_0 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_psmokanyt\_2 | 0.033 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_2 | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_psmokanyt\_1 | -0.027 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_5 | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t1 | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_4 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_5 | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_KANC | -0.011 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_BIB | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_cu\_c | -0.029 | 0.000 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_5 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_veg | 0.031 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_5 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_SAB | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_RHEA | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_spring | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_se\_c | 0.039 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_cu\_c | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_creatinine\_cg | 0.006 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_2 | -0.022 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* e3\_asmokyn\_p\_1 | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_3 | 0.004 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_KANC | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_2 | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_hg\_c | 0.005 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_psmokanyt\_2 | 0.004 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_3 | -0.036 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_zn\_c | -0.032 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokyn\_p\_2 | -0.002 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokyn\_p\_2 | -0.002 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_5 | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_5 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_3 | 0.000 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_5 | -0.020 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_dift\_mealblood\_imp | 0.013 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_2 | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_3 | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_zn\_c | 0.009 | 0.000 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_6 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_cu\_c | -0.012 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_as\_c | -0.023 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_4 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_MOBA | -0.016 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_KANC | -0.007 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_summer | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_org\_food | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_2 | -0.016 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_4 | -0.006 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_pm25\_dy\_hs\_t | 0.004 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_se\_c | -0.014 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* e3\_asmokyn\_p\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_se\_c | -0.005 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_6 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_se\_c | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_co\_c | -0.013 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_5 | -0.004 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_5 | -0.004 | 0.000 | Balanced, <0.1 |
| FAS\_score \* e3\_psmokanyt\_1 | -0.030 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_MOBA | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_co\_c | -0.024 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_zn\_c | -0.014 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_4 | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_co\_c | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_3 | -0.050 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_6 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_zn\_c | 0.029 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* hs\_org\_food | -0.015 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* hs\_zn\_c | -0.021 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_5 | -0.016 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_autumn | -0.023 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_1 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_3 | -0.015 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_5 | -0.020 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_5 | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokyn\_p\_2 | 0.000 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_hg\_c | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_cd\_c | -0.023 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_autumn | -0.023 | 0.000 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_4 | -0.011 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_3 | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_SAB | -0.025 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t3 | -0.009 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_1 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_5 | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_creatinine\_cg | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_hg\_c | 0.021 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_psmokanyt\_2 | 0.035 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_veg | 0.014 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* e3\_asmokyn\_p\_2 | -0.013 | 0.000 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_5 | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_se\_c | 0.020 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_2 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* hs\_co\_c | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_4 | -0.008 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c | 0.009 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_1 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokyn\_p\_1 | -0.014 | 0.000 | Balanced, <0.1 |
| hs\_org\_food | -0.021 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_3 | -0.014 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_cd\_c | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_5 | -0.020 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_spring | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_org\_food \* hs\_cu\_c | -0.018 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_6 | -0.005 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_1 | -0.003 | 0.000 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_4 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_1 | -0.005 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_4 | -0.006 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* e3\_asmokyn\_p\_1 | -0.014 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_dift\_mealblood\_imp | -0.014 | 0.000 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokyn\_p\_2 | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_spring | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_4 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_as\_c | 0.000 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_org\_food | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_RHEA | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_spring | 0.004 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_3 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight | -0.041 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_psmokanyt\_2 | 0.013 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_psmokanyt\_1 | -0.017 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_sex\_1 | -0.022 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_psmokanyt\_1 | -0.026 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_cd\_c | -0.017 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_cu\_c | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_1 | -0.017 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_hg\_c | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_autumn | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* FAS\_score | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_5 | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_as\_c | -0.019 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokyn\_p\_1 | -0.014 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 | -0.014 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_2 | -0.003 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_hg\_c | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_co\_c | 0.015 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_1 | 0.079 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_psmokanyt\_1 | -0.031 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* e3\_psmokanyt\_1 | -0.031 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_se\_c | 0.025 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_autumn | -0.024 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_1 | 0.035 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_autumn | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_hg\_c | 0.025 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_hg\_c | 0.075 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_summer | 0.041 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_5 | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_2 | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_cu\_c | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_pb\_c | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_winter | -0.025 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_3 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_org\_food | -0.021 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_se\_c | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_dift\_mealblood\_imp | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_sex\_0 | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_as\_c | -0.021 | -0.001 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t1 | -0.014 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_zn\_c | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_spring | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_pb\_c | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_pb\_c | 0.000 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_5 | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_hg\_c | -0.025 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_1 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_spring | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t1 | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t2 | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_spring | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c | 0.026 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokyn\_p\_1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_psmokanyt\_2 | 0.021 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_zn\_c | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_co\_c | -0.027 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_winter | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_se\_c | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_psmokanyt\_1 | -0.033 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_autumn | -0.024 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_5 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_autumn | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_spring | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_spring | -0.010 | -0.001 | Balanced, <0.1 |
| FAS\_score \* cohort\_RHEA | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_1 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_1 | 0.007 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* e3\_sex\_1 | -0.017 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_2 | -0.028 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_RHEA | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_co\_c | -0.022 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_pb\_c | 0.004 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_as\_c | -0.022 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_autumn | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_KANC | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_3 | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_autumn | -0.024 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_KANC | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_6 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_3 | -0.030 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_pb\_c | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_1 | 0.032 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokyn\_p\_2 | 0.015 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_summer | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_4 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_2 | -0.028 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_2 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_pb\_c | -0.011 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_2 | -0.003 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokyn\_p\_1 | -0.021 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_5 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_dift\_mealblood\_imp | -0.021 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_autumn | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_hg\_c | 0.019 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_dift\_mealblood\_imp | -0.024 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_spring | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_6 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_psmokanyt\_1 | -0.033 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_2 | -0.026 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_spring | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_2 | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokyn\_p\_1 | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_se\_c | 0.023 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_3 | -0.036 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_dift\_mealblood\_imp | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_dift\_mealblood\_imp | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_MOBA | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_4 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* e3\_psmokanyt\_1 | -0.021 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_3 | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_winter | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_SAB | -0.022 | -0.001 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokyn\_p\_2 | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_SAB | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_autumn | -0.021 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_2 | -0.028 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_psmokanyt\_1 | -0.033 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_RHEA | -0.014 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_3 | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_asmokyn\_p\_1 | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_org\_food | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_asmokyn\_p\_1 | -0.022 | -0.001 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokyn\_p\_2 | 0.013 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_4 | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_winter | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_2 | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_RHEA | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_3 | -0.017 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_hg\_c | 0.004 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t3 | -0.006 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_1 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_RHEA | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_3 | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_KANC | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_3 | -0.027 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_MOBA | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_RHEA | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_total\_fruits | 0.000 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_RHEA | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_cu\_c | 0.000 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokyn\_p\_1 | -0.021 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_RHEA | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_asmokyn\_p\_2 | -0.014 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_psmokanyt\_1 | -0.031 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_spring | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_fish | -0.019 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t2 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* e3\_sex\_0 | -0.023 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_1 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_5 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_sex\_0 | 0.019 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_pb\_c | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_winter | -0.028 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_pb\_c | 0.005 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_autumn | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_3 | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_1 | -0.019 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_MOBA | -0.005 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_summer | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_asmokyn\_p\_1 | -0.020 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_6 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_KANC | -0.012 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_as\_c | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t1 | -0.015 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_RHEA | -0.016 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* e3\_psmokanyt\_2 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_6 | -0.005 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_KANC | -0.006 | -0.001 | Balanced, <0.1 |
| FAS\_score \* e3\_psmokanyt\_2 | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_5 | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_autumn | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_dift\_mealblood\_imp | -0.027 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_c\_weight | -0.042 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_hg\_c | -0.013 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_5 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_3 | -0.012 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_5 | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_2 | -0.022 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_RHEA | -0.017 | -0.001 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_pb\_c | 0.027 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_4 | -0.009 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_2 | -0.028 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_1 | -0.006 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_pb\_c | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_RHEA | -0.017 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_KANC | -0.006 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokyn\_p\_1 | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_1 | 0.031 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_pb\_c | -0.015 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_summer | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_autumn | -0.024 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_pb\_c | -0.003 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_se\_c | -0.015 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_5 | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_psmokanyt\_1 | -0.027 | -0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_1 | 0.040 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_RHEA | -0.017 | -0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_2 | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_3 | -0.018 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_org\_food | -0.024 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_1 | -0.005 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_cu\_c | -0.026 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_MOBA | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_veg | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_autumn | -0.016 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_KANC | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_dift\_mealblood\_imp | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_psmokanyt\_2 | 0.049 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* e3\_asmokyn\_p\_1 | -0.022 | -0.002 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_asmokyn\_p\_1 | -0.018 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_spring | -0.022 | -0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_2 | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_spring | -0.023 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t1 | -0.015 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_1 | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_MOBA | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_1 | 0.037 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_1 | -0.005 | -0.002 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_psmokanyt\_1 | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_6 | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_asmokyn\_p\_1 | -0.023 | -0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_RHEA | -0.017 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_1 | 0.061 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_spring | -0.024 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_3 | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_fish | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_KANC | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_psmokanyt\_1 | -0.035 | -0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_KANC | -0.013 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_zn\_c | -0.024 | -0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_winter | -0.028 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_psmokanyt\_2 | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t1 | -0.009 | -0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_as\_c | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokyn\_p\_1 | -0.023 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_zn\_c | 0.000 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_hg\_c | 0.010 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_2 | -0.028 | -0.002 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_2 | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_RHEA | -0.018 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_dift\_mealblood\_imp | 0.000 | -0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_winter | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_sex\_0 | 0.055 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_1 | 0.069 | -0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_2 | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokyn\_p\_1 | -0.023 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_spring | -0.019 | -0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_5 | -0.019 | -0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_hg\_c | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_winter | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t2 | -0.013 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_fish | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t1 | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokyn\_p\_1 | -0.019 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_3 | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_3 | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_psmokanyt\_1 | -0.027 | -0.002 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_5 | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_5 | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_cd\_c | -0.039 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_sex\_0 | -0.006 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_se\_c | 0.019 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_3 | -0.011 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_c\_weight | -0.019 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_pb\_c | 0.015 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t3 | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_1 | 0.038 | -0.002 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokyn\_p\_1 | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_spring | -0.023 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_spring | -0.012 | -0.002 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_5 | -0.008 | -0.002 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_3 | -0.027 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_3 | -0.022 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_winter | -0.028 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_winter | -0.032 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_dift\_mealblood\_imp | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_3 | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t | 0.000 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_autumn | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_winter | -0.024 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_fish | -0.032 | -0.002 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_KANC | -0.019 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_co\_c | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_as\_c | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_psmokanyt\_1 | -0.032 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_spring | -0.018 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_autumn | -0.023 | -0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_sex\_0 | 0.005 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_veg | -0.013 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_2 | -0.028 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_zn\_c | 0.003 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_winter | -0.033 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_1 | 0.029 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_RHEA | -0.016 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_cu\_c | -0.029 | -0.002 | Balanced, <0.1 |
| hs\_total\_fish | -0.025 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_cu\_c | 0.001 | -0.002 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_3 | -0.062 | -0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_winter | -0.033 | -0.002 | Balanced, <0.1 |
| hs\_total\_veg | 0.002 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_1 | 0.015 | -0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_1 | 0.029 | -0.002 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_winter | -0.030 | -0.002 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_sex\_0 | 0.016 | -0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_cu\_c | -0.059 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_autumn | -0.025 | -0.002 | Balanced, <0.1 |
| hs\_org\_food \* hs\_co\_c | -0.021 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_dift\_mealblood\_imp | -0.041 | -0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_1 | 0.032 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_zn\_c | -0.032 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_fish | -0.028 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_1 | 0.045 | -0.003 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_winter | -0.030 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_3 | -0.049 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_c\_weight | -0.044 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_winter | -0.034 | -0.003 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_1 | -0.001 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_psmokanyt\_2 | -0.009 | -0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_c\_height | -0.007 | -0.003 | Balanced, <0.1 |
| hs\_org\_food \* e3\_psmokanyt\_1 | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_3 | -0.056 | -0.003 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_winter | -0.021 | -0.003 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_sex\_0 | 0.009 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_se\_c | -0.005 | -0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_3 | -0.019 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_3 | -0.037 | -0.003 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_RHEA | -0.013 | -0.003 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_veg | -0.003 | -0.003 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_RHEA | -0.014 | -0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_2 | -0.021 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_dift\_mealblood\_imp | -0.033 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* FAS\_score | -0.038 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_psmokanyt\_2 | -0.011 | -0.003 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_RHEA | -0.018 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_asmokyn\_p\_1 | -0.018 | -0.003 | Balanced, <0.1 |
| hs\_se\_c \* e3\_sex\_0 | 0.030 | -0.003 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_spring | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_1 | 0.022 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_5 | -0.017 | -0.003 | Balanced, <0.1 |
| FAS\_score \* hs\_zn\_c | -0.065 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* FAS\_score | -0.025 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_veg | 0.007 | -0.003 | Balanced, <0.1 |
| FAS\_score \* hs\_se\_c | -0.046 | -0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_2 | -0.019 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_dift\_mealblood\_imp | -0.023 | -0.003 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_winter | -0.023 | -0.003 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_2 | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_c\_weight \* FAS\_score | -0.065 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_2 | -0.016 | -0.003 | Balanced, <0.1 |
| hs\_org\_food \* hs\_as\_c | -0.019 | -0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_1 | 0.009 | -0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_RHEA | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_sex\_1 | -0.024 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_2 | -0.021 | -0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokyn\_p\_1 | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_2 | -0.016 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_fish | -0.032 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_co\_c | -0.012 | -0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* FAS\_score | -0.035 | -0.003 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_spring | -0.023 | -0.003 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_sex\_0 | 0.002 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_hg\_c | 0.034 | -0.003 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_3 | -0.066 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_EDEN | -0.011 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_2 | -0.025 | -0.003 | Balanced, <0.1 |
| hs\_c\_height \* hs\_dift\_mealblood\_imp | -0.039 | -0.003 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_2 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_3 | -0.020 | -0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_2 | -0.019 | -0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_3 | -0.050 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_EDEN | -0.012 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_veg | -0.010 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokyn\_p\_1 | -0.022 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_pm25\_dy\_hs\_t | -0.016 | -0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_winter | -0.028 | -0.003 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_winter | -0.035 | -0.003 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_3 | -0.067 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_sex\_0 | -0.015 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_2 | -0.018 | -0.004 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_3 | -0.068 | -0.004 | Balanced, <0.1 |
| hs\_org\_food \* hs\_hg\_c | -0.023 | -0.004 | Balanced, <0.1 |
| hs\_c\_height | -0.045 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_1 | 0.001 | -0.004 | Balanced, <0.1 |
| FAS\_score | -0.078 | -0.004 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_sex\_0 | -0.011 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_EDEN | -0.013 | -0.004 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_2 | -0.015 | -0.004 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_2 | -0.021 | -0.004 | Balanced, <0.1 |
| hs\_co\_c \* e3\_sex\_0 | -0.010 | -0.004 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_3 | -0.048 | -0.004 | Balanced, <0.1 |
| FAS\_score \* hs\_dift\_mealblood\_imp | -0.052 | -0.004 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_EDEN | -0.016 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_psmokanyt\_2 | -0.014 | -0.004 | Balanced, <0.1 |
| hs\_c\_height \* e3\_sex\_0 | 0.002 | -0.004 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_dift\_mealblood\_imp | -0.020 | -0.004 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_total\_veg | -0.018 | -0.004 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_3 | -0.045 | -0.004 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_sex\_0 | 0.008 | -0.004 | Balanced, <0.1 |
| hs\_age\_years \* hs\_dift\_mealblood\_imp | -0.044 | -0.004 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_3 | -0.068 | -0.004 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_3 | -0.067 | -0.004 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_cd\_c | -0.038 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_EDEN | -0.019 | -0.004 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_1 | 0.003 | -0.004 | Balanced, <0.1 |
| FAS\_score \* e3\_sex\_0 | -0.022 | -0.004 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_3 | -0.030 | -0.004 | Balanced, <0.1 |
| hs\_age\_years \* e3\_sex\_0 | -0.005 | -0.004 | Balanced, <0.1 |
| hs\_c\_height \* FAS\_score | -0.077 | -0.004 | Balanced, <0.1 |
| hs\_age\_years | -0.045 | -0.004 | Balanced, <0.1 |
| hs\_age\_years \* hs\_c\_height | -0.046 | -0.004 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_sex\_0 | 0.015 | -0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_sex\_0 | -0.018 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_sex\_0 | -0.016 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_sex\_0 | -0.016 | -0.004 | Balanced, <0.1 |
| hs\_age\_years \* FAS\_score | -0.072 | -0.005 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_EDEN | -0.024 | -0.005 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_EDEN | -0.026 | -0.005 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_EDEN | -0.023 | -0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_EDEN | -0.029 | -0.006 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_EDEN | -0.027 | -0.006 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_EDEN | -0.029 | -0.006 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_EDEN | -0.030 | -0.006 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_EDEN | -0.027 | -0.006 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_EDEN | -0.028 | -0.006 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_EDEN | -0.025 | -0.006 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_EDEN | -0.021 | -0.006 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_EDEN | -0.029 | -0.006 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_EDEN | -0.026 | -0.006 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_EDEN | -0.031 | -0.006 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_EDEN | -0.031 | -0.006 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_EDEN | -0.031 | -0.007 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_EDEN | -0.031 | -0.007 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_EDEN | -0.028 | -0.007 | Balanced, <0.1 |
| FAS\_score \* cohort\_EDEN | -0.033 | -0.008 | Balanced, <0.1 |