Table 1: Balance statistics: mibp

| variable | unadj. correlation | adj. correlation | threshold |
| --- | --- | --- | --- |
| continuous | | | |
| hs\_creatinine\_cg | 0.274 | 0.072 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_cu\_c | 0.264 | 0.069 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_zn\_c | 0.204 | 0.061 | Balanced, <0.1 |
| hs\_c\_height \* hs\_creatinine\_cg | 0.213 | 0.060 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_creatinine\_cg | 0.224 | 0.057 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_se\_c | 0.170 | 0.055 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_4 | 0.145 | 0.053 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_KANC | 0.283 | 0.052 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_BIB | 0.227 | 0.049 | Balanced, <0.1 |
| hs\_age\_years \* hs\_creatinine\_cg | 0.127 | 0.046 | Balanced, <0.1 |
| hs\_creatinine\_cg \* FAS\_score | 0.145 | 0.046 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_creatinine\_cg | 0.119 | 0.046 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_dift\_mealblood\_imp | 0.217 | 0.045 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokyn\_p\_2 | 0.183 | 0.043 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_5 | 0.252 | 0.043 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_BIB | 0.165 | 0.041 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_summer | 0.097 | 0.040 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_BIB | 0.153 | 0.040 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_EDEN | 0.040 | 0.040 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_KANC | 0.220 | 0.039 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_KANC | 0.225 | 0.039 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_KANC | 0.217 | 0.039 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_5 | 0.040 | 0.039 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_KANC | 0.211 | 0.039 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_KANC | 0.220 | 0.038 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_KANC | 0.222 | 0.038 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_summer | 0.133 | 0.038 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_KANC | 0.200 | 0.038 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_BIB | 0.163 | 0.038 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_BIB | 0.159 | 0.037 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_BIB | 0.162 | 0.037 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_BIB | 0.158 | 0.037 | Balanced, <0.1 |
| hs\_fastfood \* hs\_creatinine\_cg | 0.168 | 0.037 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_2 | 0.136 | 0.037 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_BIB | 0.177 | 0.036 | Balanced, <0.1 |
| FAS\_score \* cohort\_BIB | 0.163 | 0.036 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_KANC | 0.237 | 0.036 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_BIB | 0.151 | 0.035 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_BIB | 0.152 | 0.035 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_creatinine\_cg | 0.101 | 0.035 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_pb\_c | 0.129 | 0.035 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_KANC | 0.165 | 0.034 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_4 | 0.096 | 0.034 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_EDEN | 0.014 | 0.034 | Balanced, <0.1 |
| FAS\_score \* cohort\_KANC | 0.186 | 0.034 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_KANC | 0.209 | 0.034 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_BIB | 0.148 | 0.034 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_KANC | 0.037 | 0.033 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_EDEN | 0.028 | 0.033 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_KANC | 0.161 | 0.032 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_BIB | 0.146 | 0.032 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_summer | 0.086 | 0.031 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_KANC | 0.183 | 0.031 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_KANC | 0.090 | 0.031 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_BIB | 0.130 | 0.031 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_KANC | 0.155 | 0.031 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_KANC | 0.152 | 0.031 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_EDEN | 0.018 | 0.030 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_2 | 0.048 | 0.030 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_KANC | 0.036 | 0.030 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_EDEN | 0.018 | 0.030 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_2 | 0.202 | 0.030 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_4 | 0.086 | 0.029 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_KANC | 0.037 | 0.029 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_5 | 0.186 | 0.029 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_3 | 0.218 | 0.029 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_5 | 0.055 | 0.028 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_5 | 0.195 | 0.028 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_EDEN | 0.010 | 0.028 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_BIB | 0.080 | 0.027 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_1 | 0.136 | 0.027 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_summer | 0.090 | 0.027 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_5 | 0.198 | 0.027 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_5 | 0.194 | 0.027 | Balanced, <0.1 |
| hs\_as\_c \* e3\_asmokyn\_p\_1 | 0.028 | 0.027 | Balanced, <0.1 |
| FAS\_score \* cohort\_EDEN | 0.002 | 0.027 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_2 | 0.119 | 0.027 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_EDEN | 0.007 | 0.027 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_5 | 0.191 | 0.027 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_EDEN | 0.005 | 0.026 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_3 | 0.135 | 0.026 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_4 | 0.089 | 0.026 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_5 | 0.197 | 0.026 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_sex\_1 | 0.081 | 0.026 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_BIB | 0.131 | 0.026 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_6 | 0.044 | 0.026 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_summer | 0.084 | 0.026 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_co\_c | 0.115 | 0.026 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_psmokanyt\_2 | 0.094 | 0.026 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_summer | 0.091 | 0.025 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_summer | 0.049 | 0.025 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_creatinine\_cg | 0.065 | 0.025 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_5 | 0.215 | 0.025 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_5 | 0.033 | 0.025 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_EDEN | -0.003 | 0.025 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_5 | 0.148 | 0.025 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_KANC | 0.157 | 0.025 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_5 | 0.033 | 0.025 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_dift\_mealblood\_imp | 0.090 | 0.025 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_5 | 0.169 | 0.024 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_EDEN | 0.007 | 0.024 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_EDEN | 0.011 | 0.024 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_summer | 0.093 | 0.024 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_4 | 0.081 | 0.024 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_winter | 0.011 | 0.024 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_5 | 0.188 | 0.024 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_2 | 0.044 | 0.024 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_4 | 0.075 | 0.024 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_summer | 0.080 | 0.024 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_summer | 0.026 | 0.023 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_5 | 0.038 | 0.023 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_EDEN | 0.001 | 0.023 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_5 | 0.164 | 0.023 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_2 | 0.159 | 0.023 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_KANC | 0.160 | 0.023 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_5 | 0.081 | 0.023 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_5 | 0.040 | 0.023 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_2 | 0.110 | 0.023 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_BIB | 0.123 | 0.023 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_5 | 0.028 | 0.023 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_summer | 0.113 | 0.022 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_4 | 0.053 | 0.022 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_4 | 0.077 | 0.022 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_summer | 0.086 | 0.022 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_summer | 0.076 | 0.022 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_5 | 0.167 | 0.021 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_summer | 0.089 | 0.021 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_1 | 0.075 | 0.021 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_2 | 0.142 | 0.021 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_5 | 0.138 | 0.021 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_6 | 0.028 | 0.021 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_4 | 0.074 | 0.021 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_1 | 0.036 | 0.021 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t | 0.078 | 0.021 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_EDEN | -0.001 | 0.021 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_psmokanyt\_1 | 0.082 | 0.021 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_2 | 0.135 | 0.020 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_sex\_0 | 0.095 | 0.020 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_zn\_c | 0.053 | 0.020 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_1 | 0.077 | 0.020 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_1 | 0.066 | 0.020 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_2 | 0.124 | 0.020 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_summer | 0.076 | 0.020 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_2 | 0.139 | 0.020 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_1 | 0.067 | 0.020 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_5 | 0.039 | 0.020 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_2 | 0.144 | 0.020 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_1 | 0.075 | 0.020 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_KANC | 0.107 | 0.020 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_5 | 0.033 | 0.019 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_as\_c | -0.028 | 0.019 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_4 | 0.073 | 0.019 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_1 | 0.067 | 0.019 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_1 | 0.060 | 0.019 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_BIB | 0.119 | 0.019 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_spring | 0.120 | 0.019 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_1 | 0.058 | 0.019 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_2 | 0.167 | 0.019 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_1 | 0.059 | 0.019 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_5 | 0.053 | 0.019 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_4 | 0.070 | 0.019 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_2 | 0.138 | 0.019 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_1 | 0.059 | 0.018 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_5 | 0.034 | 0.018 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_5 | 0.134 | 0.018 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_1 | 0.054 | 0.018 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_winter | -0.017 | 0.018 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_4 | 0.052 | 0.018 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_4 | 0.065 | 0.018 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_summer | 0.063 | 0.018 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_EDEN | 0.058 | 0.018 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_5 | 0.039 | 0.018 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_2 | 0.127 | 0.018 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_dift\_mealblood\_imp | 0.085 | 0.018 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_c\_height | 0.054 | 0.018 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_5 | 0.037 | 0.018 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_1 | 0.051 | 0.017 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_3 | 0.136 | 0.017 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_EDEN | -0.003 | 0.017 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_5 | 0.027 | 0.017 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_5 | 0.138 | 0.017 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_cu\_c | 0.074 | 0.017 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_3 | 0.130 | 0.017 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_c\_weight | 0.015 | 0.017 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_1 | 0.045 | 0.017 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_3 | 0.127 | 0.017 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_2 | 0.014 | 0.017 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_psmokanyt\_1 | 0.019 | 0.017 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_5 | 0.129 | 0.016 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_2 | 0.138 | 0.016 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_5 | 0.032 | 0.016 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_summer | 0.070 | 0.016 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t2 | 0.010 | 0.016 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_2 | 0.081 | 0.016 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokyn\_p\_1 | 0.002 | 0.016 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_se\_c | 0.021 | 0.016 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_EDEN | 0.000 | 0.016 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_2 | 0.148 | 0.016 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_dift\_mealblood\_imp | 0.107 | 0.016 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_1 | 0.044 | 0.016 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_5 | 0.044 | 0.015 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_BIB | 0.135 | 0.015 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_dift\_mealblood\_imp | 0.049 | 0.015 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_2 | 0.007 | 0.015 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_1 | 0.039 | 0.015 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_5 | 0.040 | 0.015 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_2 | 0.008 | 0.015 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_1 | 0.057 | 0.015 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_4 | 0.062 | 0.015 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_summer | 0.043 | 0.015 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_5 | 0.146 | 0.014 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_2 | 0.129 | 0.014 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_sex\_1 | 0.020 | 0.014 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_fastfood | 0.082 | 0.014 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_4 | -0.003 | 0.014 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_1 | 0.046 | 0.014 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_veg | 0.049 | 0.014 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_psmokanyt\_2 | 0.037 | 0.014 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_1 | 0.045 | 0.014 | Balanced, <0.1 |
| hs\_as\_c \* e3\_psmokanyt\_1 | -0.003 | 0.014 | Balanced, <0.1 |
| hs\_fastfood \* e3\_sex\_1 | 0.038 | 0.014 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_EDEN | -0.001 | 0.014 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_6 | 0.024 | 0.014 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_5 | 0.032 | 0.014 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_1 | 0.036 | 0.013 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* FAS\_score | 0.019 | 0.013 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_asmokyn\_p\_2 | 0.071 | 0.013 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_6 | 0.036 | 0.013 | Balanced, <0.1 |
| hs\_fastfood \* hs\_co\_c | 0.063 | 0.013 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_4 | 0.023 | 0.013 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_4 | 0.051 | 0.013 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_sex\_1 | 0.019 | 0.013 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_1 | 0.031 | 0.013 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_1 | 0.031 | 0.013 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t3 | -0.006 | 0.013 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_3 | 0.130 | 0.013 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_1 | 0.067 | 0.012 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_fastfood | 0.069 | 0.012 | Balanced, <0.1 |
| hs\_fastfood \* hs\_pb\_c | 0.085 | 0.012 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t2 | 0.045 | 0.012 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_spring | 0.027 | 0.012 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t2 | 0.027 | 0.012 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t3 | 0.040 | 0.012 | Balanced, <0.1 |
| hs\_cu\_c | 0.044 | 0.012 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_1 | 0.037 | 0.012 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_spring | 0.072 | 0.012 | Balanced, <0.1 |
| hs\_fastfood \* hs\_zn\_c | 0.068 | 0.012 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_1 | 0.046 | 0.012 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_4 | 0.062 | 0.011 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_3 | -0.033 | 0.011 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_4 | -0.006 | 0.011 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_5 | 0.028 | 0.011 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_psmokanyt\_1 | 0.025 | 0.011 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_winter | -0.009 | 0.011 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_pb\_c | 0.020 | 0.011 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_5 | 0.025 | 0.011 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_as\_c | -0.001 | 0.011 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_3 | 0.126 | 0.011 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp | 0.068 | 0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_3 | 0.001 | 0.011 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_dift\_mealblood\_imp | 0.025 | 0.011 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokyn\_p\_1 | 0.021 | 0.011 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_co\_c | 0.046 | 0.011 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_4 | 0.035 | 0.011 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_2 | 0.126 | 0.011 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_6 | 0.038 | 0.011 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_3 | 0.043 | 0.011 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_3 | 0.086 | 0.011 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_psmokanyt\_2 | 0.021 | 0.011 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_2 | -0.007 | 0.011 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_cd\_c | 0.048 | 0.010 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_BIB | 0.074 | 0.010 | Balanced, <0.1 |
| hs\_fastfood | 0.080 | 0.010 | Balanced, <0.1 |
| hs\_age\_years \* hs\_fastfood | 0.064 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_as\_c | -0.002 | 0.010 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_3 | 0.111 | 0.010 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_1 | 0.024 | 0.010 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_4 | -0.024 | 0.010 | Balanced, <0.1 |
| hs\_fastfood \* FAS\_score | 0.074 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_sex\_1 | 0.014 | 0.010 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_psmokanyt\_1 | 0.016 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_4 | -0.008 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_3 | -0.020 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_autumn | 0.014 | 0.010 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_pb\_c | 0.007 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_autumn | 0.014 | 0.010 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_4 | -0.022 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_spring | 0.030 | 0.010 | Balanced, <0.1 |
| hs\_c\_height \* hs\_fastfood | 0.075 | 0.010 | Balanced, <0.1 |
| hs\_as\_c \* hs\_co\_c | -0.023 | 0.010 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_RHEA | -0.028 | 0.010 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_5 | 0.012 | 0.010 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_RHEA | -0.029 | 0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_4 | -0.009 | 0.010 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_veg | 0.019 | 0.009 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_zn\_c | 0.008 | 0.009 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_sex\_0 | 0.014 | 0.009 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_6 | 0.029 | 0.009 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_psmokanyt\_1 | 0.011 | 0.009 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_2 | -0.004 | 0.009 | Balanced, <0.1 |
| hs\_age\_years \* hs\_pm25\_dy\_hs\_t | 0.006 | 0.009 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_1 | 0.016 | 0.009 | Balanced, <0.1 |
| hs\_fastfood \* hs\_se\_c | 0.063 | 0.009 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_sex\_0 | 0.057 | 0.009 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t2 | 0.023 | 0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_autumn | 0.013 | 0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_EDEN | 0.053 | 0.009 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_3 | 0.133 | 0.009 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokyn\_p\_1 | 0.029 | 0.009 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_summer | 0.024 | 0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_zn\_c | 0.006 | 0.009 | Balanced, <0.1 |
| hs\_fastfood \* e3\_psmokanyt\_1 | 0.064 | 0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_spring | 0.022 | 0.008 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_2 | -0.014 | 0.008 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_3 | 0.097 | 0.008 | Balanced, <0.1 |
| hs\_fastfood \* hs\_as\_c | 0.040 | 0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_pb\_c | 0.007 | 0.008 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_5 | 0.013 | 0.008 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_spring | 0.015 | 0.008 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_6 | 0.029 | 0.008 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_2 | -0.012 | 0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_3 | -0.008 | 0.008 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_1 | -0.004 | 0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_cu\_c | 0.011 | 0.008 | Balanced, <0.1 |
| FAS\_score \* e3\_psmokanyt\_1 | 0.012 | 0.008 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t3 | 0.025 | 0.008 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t2 | 0.012 | 0.008 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_asmokyn\_p\_1 | -0.002 | 0.008 | Balanced, <0.1 |
| hs\_fastfood \* hs\_cu\_c | 0.073 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_psmokanyt\_1 | -0.004 | 0.007 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_2 | 0.016 | 0.007 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t2 | 0.002 | 0.007 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_3 | 0.125 | 0.007 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_dift\_mealblood\_imp | 0.014 | 0.007 | Balanced, <0.1 |
| hs\_c\_height \* hs\_dift\_mealblood\_imp | 0.041 | 0.007 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_cu\_c | 0.008 | 0.007 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_psmokanyt\_1 | 0.015 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_sex\_1 | 0.008 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_EDEN | 0.029 | 0.007 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_4 | -0.025 | 0.007 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_RHEA | -0.027 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_4 | 0.024 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_4 | 0.024 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_co\_c | 0.014 | 0.007 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokyn\_p\_1 | 0.012 | 0.007 | Balanced, <0.1 |
| hs\_c\_height \* e3\_psmokanyt\_1 | 0.020 | 0.007 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_zn\_c | 0.001 | 0.007 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_sex\_1 | 0.012 | 0.007 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_3 | 0.103 | 0.007 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_KANC | 0.091 | 0.007 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokyn\_p\_2 | 0.067 | 0.007 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_1 | 0.080 | 0.007 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_2 | 0.113 | 0.007 | Balanced, <0.1 |
| hs\_org\_food \* hs\_creatinine\_cg | 0.020 | 0.007 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_6 | 0.024 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokyn\_p\_1 | 0.007 | 0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_psmokanyt\_1 | 0.000 | 0.006 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_3 | -0.036 | 0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_2 | 0.001 | 0.006 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 | 0.007 | 0.006 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_EDEN | -0.025 | 0.006 | Balanced, <0.1 |
| hs\_se\_c \* hs\_dift\_mealblood\_imp | 0.017 | 0.006 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_6 | 0.023 | 0.006 | Balanced, <0.1 |
| hs\_co\_c \* hs\_hg\_c | -0.046 | 0.006 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokyn\_p\_1 | -0.003 | 0.006 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokyn\_p\_1 | -0.006 | 0.006 | Balanced, <0.1 |
| hs\_se\_c \* e3\_sex\_1 | -0.011 | 0.006 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t2 | 0.006 | 0.006 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokcigd\_t1 | -0.021 | 0.006 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_6 | 0.027 | 0.006 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_summer | 0.007 | 0.006 | Balanced, <0.1 |
| hs\_age\_years \* e3\_psmokanyt\_1 | 0.007 | 0.006 | Balanced, <0.1 |
| hs\_se\_c \* e3\_psmokanyt\_1 | 0.005 | 0.006 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_6 | 0.025 | 0.005 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_asmokyn\_p\_1 | -0.012 | 0.005 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_RHEA | -0.038 | 0.005 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokyn\_p\_1 | -0.013 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_as\_c | -0.013 | 0.005 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_asmokyn\_p\_2 | 0.068 | 0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_3 | 0.081 | 0.005 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_dift\_mealblood\_imp | 0.003 | 0.005 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_fruits | 0.059 | 0.005 | Balanced, <0.1 |
| hs\_co\_c \* e3\_psmokanyt\_1 | 0.011 | 0.005 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_spring | 0.035 | 0.005 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_5 | 0.073 | 0.005 | Balanced, <0.1 |
| hs\_pb\_c | 0.030 | 0.005 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t2 | 0.001 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_winter | -0.007 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t3 | 0.009 | 0.005 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_4 | -0.021 | 0.005 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_4 | -0.030 | 0.005 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_EDEN | -0.006 | 0.005 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_winter | -0.046 | 0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_RHEA | -0.024 | 0.005 | Balanced, <0.1 |
| hs\_org\_food \* e3\_sex\_0 | -0.008 | 0.005 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_psmokanyt\_1 | 0.023 | 0.005 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_pb\_c | 0.035 | 0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_se\_c | 0.006 | 0.005 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_5 | -0.001 | 0.005 | Balanced, <0.1 |
| hs\_co\_c \* e3\_asmokyn\_p\_1 | 0.002 | 0.005 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_4 | -0.028 | 0.005 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokyn\_p\_1 | -0.007 | 0.004 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_4 | 0.020 | 0.004 | Balanced, <0.1 |
| hs\_fastfood \* e3\_psmokanyt\_2 | 0.035 | 0.004 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_asmokyn\_p\_1 | -0.013 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_sex\_1 | -0.026 | 0.004 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_winter | -0.005 | 0.004 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_1 | 0.019 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_2 | -0.003 | 0.004 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_fruits | 0.015 | 0.004 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_5 | 0.004 | 0.004 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_autumn | -0.010 | 0.004 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_3 | 0.055 | 0.004 | Balanced, <0.1 |
| hs\_se\_c \* e3\_asmokyn\_p\_1 | -0.014 | 0.004 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_asmokyn\_p\_2 | 0.005 | 0.004 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_4 | -0.020 | 0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_2 | -0.003 | 0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_6 | 0.019 | 0.004 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_spring | 0.028 | 0.003 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_1 | -0.079 | 0.003 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_6 | 0.023 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_sex\_0 | 0.043 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_5 | 0.023 | 0.003 | Balanced, <0.1 |
| hs\_org\_food \* hs\_cd\_c | -0.023 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_psmokanyt\_1 | -0.030 | 0.003 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_zn\_c | 0.017 | 0.003 | Balanced, <0.1 |
| FAS\_score \* cohort\_RHEA | -0.046 | 0.003 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_6 | 0.007 | 0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t2 | 0.003 | 0.003 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_asmokyn\_p\_2 | 0.035 | 0.003 | Balanced, <0.1 |
| hs\_co\_c \* e3\_sex\_0 | 0.014 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_zn\_c | -0.009 | 0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_3 | 0.077 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_SAB | -0.029 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_SAB | -0.029 | 0.003 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_cd\_c | 0.024 | 0.003 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_summer | -0.002 | 0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokcigd\_t2 | 0.001 | 0.003 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_RHEA | -0.029 | 0.003 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_3 | 0.071 | 0.003 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_RHEA | -0.036 | 0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_5 | -0.012 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_sex\_1 | -0.019 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokyn\_p\_1 | -0.008 | 0.002 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_2 | -0.029 | 0.002 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_4 | 0.033 | 0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_5 | 0.001 | 0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokyn\_p\_1 | -0.025 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_dift\_mealblood\_imp | 0.000 | 0.002 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_se\_c | 0.006 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_cu\_c | -0.012 | 0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_se\_c | -0.046 | 0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_4 | -0.031 | 0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_5 | 0.012 | 0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_6 | 0.020 | 0.002 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_pb\_c | 0.019 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* e3\_sex\_1 | -0.010 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_pb\_c | 0.014 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_cu\_c | -0.014 | 0.002 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_4 | -0.031 | 0.002 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_winter | -0.022 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_sex\_0 | 0.001 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_3 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_cu\_c | -0.051 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_sex\_1 | -0.008 | 0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_dift\_mealblood\_imp | 0.016 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokcigd\_t3 | -0.005 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_pb\_c | -0.013 | 0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_spring | 0.014 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_pb\_c | -0.018 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_5 | 0.003 | 0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_4 | -0.014 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_EDEN | -0.018 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t2 | -0.017 | 0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_6 | 0.015 | 0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_4 | -0.022 | 0.001 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_5 | 0.029 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_dift\_mealblood\_imp | 0.090 | 0.001 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_winter | -0.052 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_4 | -0.032 | 0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_1 | -0.001 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_sex\_1 | -0.009 | 0.001 | Balanced, <0.1 |
| hs\_as\_c \* e3\_sex\_0 | -0.044 | 0.001 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_RHEA | -0.048 | 0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_1 | -0.008 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_5 | 0.008 | 0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_5 | 0.003 | 0.001 | Balanced, <0.1 |
| hs\_fastfood \* e3\_sex\_0 | 0.058 | 0.001 | Balanced, <0.1 |
| hs\_zn\_c | -0.045 | 0.000 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_3 | -0.066 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_5 | 0.010 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_BIB | 0.021 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_5 | 0.003 | 0.000 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_winter | -0.042 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_3 | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_psmokanyt\_1 | -0.026 | 0.000 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_spring | 0.064 | 0.000 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_4 | -0.033 | 0.000 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t3 | -0.016 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_pb\_c | -0.004 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_psmokanyt\_2 | -0.007 | 0.000 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_spring | 0.027 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_dift\_mealblood\_imp | 0.040 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_winter | -0.013 | 0.000 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_2 | -0.041 | 0.000 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_spring | 0.010 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_psmokanyt\_1 | 0.010 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_2 | -0.010 | 0.000 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_4 | -0.025 | 0.000 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_2 | -0.042 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_dift\_mealblood\_imp | -0.017 | 0.000 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* e3\_psmokanyt\_2 | 0.047 | 0.000 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_5 | 0.005 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_5 | 0.009 | 0.000 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_5 | 0.009 | 0.000 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_1 | -0.022 | 0.000 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_se\_c | -0.019 | 0.000 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_1 | 0.015 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_winter | 0.019 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* e3\_psmokanyt\_1 | 0.009 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_winter | -0.044 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_sex\_0 | -0.007 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_4 | -0.031 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_SAB | -0.046 | -0.001 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_1 | -0.002 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_sex\_1 | -0.023 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_RHEA | -0.042 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t3 | -0.010 | -0.001 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_winter | -0.049 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_winter | -0.047 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_cu\_c | -0.011 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_RHEA | -0.036 | -0.001 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_asmokyn\_p\_2 | 0.024 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_co\_c | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_2 | -0.030 | -0.001 | Balanced, <0.1 |
| hs\_co\_c \* hs\_pb\_c | 0.013 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_cu\_c | -0.025 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_RHEA | -0.044 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_sex\_1 | -0.008 | -0.001 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_sex\_1 | -0.028 | -0.001 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_cd\_c | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_5 | 0.000 | -0.001 | Balanced, <0.1 |
| hs\_as\_c \* hs\_hg\_c | -0.060 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_asmokyn\_p\_1 | -0.012 | -0.001 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_2 | 0.111 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_zn\_c | -0.030 | -0.001 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_2 | -0.004 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_spring | 0.024 | -0.001 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_3 | -0.018 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_spring | 0.023 | -0.001 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_RHEA | -0.049 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_RHEA | -0.045 | -0.001 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t3 | -0.024 | -0.001 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_3 | -0.118 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_psmokanyt\_2 | 0.025 | -0.001 | Balanced, <0.1 |
| hs\_pb\_c \* e3\_psmokanyt\_1 | 0.015 | -0.001 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 | -0.013 | -0.001 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t3 | -0.005 | -0.001 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_2 | -0.035 | -0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_as\_c | -0.063 | -0.002 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_5 | 0.001 | -0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_finance\_1 | -0.045 | -0.002 | Balanced, <0.1 |
| FAS\_score \* e3\_sex\_1 | -0.031 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_as\_c | -0.020 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t3 | -0.014 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_spring | 0.011 | -0.002 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_3 | -0.052 | -0.002 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_spring | 0.021 | -0.002 | Balanced, <0.1 |
| hs\_cu\_c \* e3\_sex\_0 | 0.006 | -0.002 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_date\_neu\_autumn | -0.027 | -0.002 | Balanced, <0.1 |
| hs\_cd\_c | -0.010 | -0.002 | Balanced, <0.1 |
| hs\_as\_c \* hs\_cd\_c | -0.030 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* hs\_pb\_c | -0.007 | -0.002 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_RHEA | -0.050 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t3 | -0.015 | -0.002 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_RHEA | -0.051 | -0.002 | Balanced, <0.1 |
| hs\_fastfood \* hs\_org\_food | -0.035 | -0.002 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_5 | -0.033 | -0.002 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_RHEA | -0.052 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_se\_c | -0.013 | -0.002 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_RHEA | -0.052 | -0.002 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_BIB | 0.020 | -0.003 | Balanced, <0.1 |
| hs\_as\_c \* hs\_dift\_mealblood\_imp | -0.026 | -0.003 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_1 | -0.057 | -0.003 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokcigd\_t1 | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_spring | 0.028 | -0.003 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_winter | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_creatinine\_cg \* e3\_asmokcigd\_t1 | -0.012 | -0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_5 | 0.016 | -0.003 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_2 | -0.045 | -0.003 | Balanced, <0.1 |
| hs\_co\_c \* hs\_cu\_c | 0.011 | -0.003 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_4 | -0.032 | -0.003 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_EDEN | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_sex\_0 | 0.035 | -0.003 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_cu\_c | -0.034 | -0.003 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_3 | 0.042 | -0.003 | Balanced, <0.1 |
| hs\_as\_c \* hs\_zn\_c | -0.071 | -0.003 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokcigd\_t1 | -0.042 | -0.003 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_psmokanyt\_2 | -0.033 | -0.004 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_winter | -0.030 | -0.004 | Balanced, <0.1 |
| hs\_co\_c \* hs\_zn\_c | -0.005 | -0.004 | Balanced, <0.1 |
| hs\_c\_height \* hs\_cd\_c | -0.018 | -0.004 | Balanced, <0.1 |
| hs\_org\_food \* hs\_as\_c | -0.049 | -0.004 | Balanced, <0.1 |
| hs\_se\_c \* hs\_zn\_c | -0.109 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_BIB | 0.006 | -0.004 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_4 | 0.012 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_2 | -0.029 | -0.004 | Balanced, <0.1 |
| FAS\_score \* hs\_pb\_c | -0.002 | -0.004 | Balanced, <0.1 |
| hs\_co\_c \* hs\_se\_c | -0.023 | -0.004 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_4 | -0.009 | -0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_2 | -0.011 | -0.004 | Balanced, <0.1 |
| hs\_total\_fruits | -0.026 | -0.004 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_5 | 0.034 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_6 | 0.016 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_se\_c | -0.075 | -0.004 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_pb\_c | 0.000 | -0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_winter | -0.027 | -0.004 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_hg\_c | -0.063 | -0.004 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_spring | 0.009 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_cu\_c | -0.056 | -0.004 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_asmokyn\_p\_1 | -0.014 | -0.004 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_5 | -0.022 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_se\_c | -0.031 | -0.004 | Balanced, <0.1 |
| hs\_as\_c | -0.064 | -0.004 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_5 | -0.013 | -0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokyn\_p\_1 | -0.030 | -0.005 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t3 | -0.006 | -0.005 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokcigd\_t1 | -0.031 | -0.005 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_2 | -0.002 | -0.005 | Balanced, <0.1 |
| hs\_c\_height \* hs\_as\_c | -0.069 | -0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_zn\_c | -0.040 | -0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 | -0.030 | -0.005 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_winter | -0.053 | -0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_sex\_0 | -0.018 | -0.005 | Balanced, <0.1 |
| hs\_co\_c | 0.002 | -0.005 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t1 | -0.035 | -0.005 | Balanced, <0.1 |
| FAS\_score \* hs\_cu\_c | -0.056 | -0.005 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_5 | -0.027 | -0.005 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_asmokyn\_p\_2 | -0.009 | -0.005 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_tob\_1 | -0.007 | -0.005 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokcigd\_t1 | -0.027 | -0.005 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_co\_c | -0.029 | -0.005 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_psmokanyt\_1 | -0.056 | -0.005 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_sex\_0 | -0.034 | -0.005 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokyn\_p\_2 | -0.020 | -0.005 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_psmokanyt\_2 | -0.017 | -0.005 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_SAB | -0.075 | -0.005 | Balanced, <0.1 |
| hs\_age\_years \* hs\_cd\_c | -0.028 | -0.005 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_cd\_c | -0.050 | -0.005 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_3 | -0.047 | -0.005 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t2 | -0.009 | -0.006 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokyn\_p\_1 | -0.040 | -0.006 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_winter | -0.073 | -0.006 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_SAB | -0.043 | -0.006 | Balanced, <0.1 |
| hs\_c\_height \* e3\_sex\_0 | -0.014 | -0.006 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_5 | 0.002 | -0.006 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_finance\_1 | -0.064 | -0.006 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_3 | -0.055 | -0.006 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* e3\_psmokanyt\_1 | 0.017 | -0.006 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_dift\_mealblood\_imp | -0.009 | -0.006 | Balanced, <0.1 |
| hs\_creatinine\_cg \* hs\_tob\_3 | -0.050 | -0.006 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_1 | -0.074 | -0.006 | Balanced, <0.1 |
| hs\_c\_weight | -0.103 | -0.006 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_3 | -0.019 | -0.006 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_psmokanyt\_1 | -0.013 | -0.006 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_zn\_c | -0.100 | -0.006 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_4 | -0.005 | -0.006 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_sex\_1 | -0.043 | -0.006 | Balanced, <0.1 |
| FAS\_score \* e3\_sex\_0 | -0.022 | -0.006 | Balanced, <0.1 |
| hs\_age\_years \* hs\_cu\_c | -0.070 | -0.006 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokcigd\_t3 | -0.021 | -0.006 | Balanced, <0.1 |
| hs\_age\_years \* hs\_as\_c | -0.074 | -0.006 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_co\_c | -0.029 | -0.006 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_RHEA | -0.053 | -0.006 | Balanced, <0.1 |
| hs\_as\_c \* e3\_sex\_1 | -0.037 | -0.006 | Balanced, <0.1 |
| hs\_co\_c \* e3\_asmokyn\_p\_2 | 0.001 | -0.007 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_RHEA | -0.064 | -0.007 | Balanced, <0.1 |
| hs\_org\_food \* hs\_pb\_c | -0.011 | -0.007 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokyn\_p\_1 | -0.021 | -0.007 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_1 | -0.041 | -0.007 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_fastfood | 0.044 | -0.007 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_creatinine\_cg | -0.032 | -0.007 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_3 | -0.033 | -0.007 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_as\_c | -0.076 | -0.007 | Balanced, <0.1 |
| hs\_as\_c \* hs\_pb\_c | -0.033 | -0.007 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_5 | 0.007 | -0.007 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_2 | -0.036 | -0.007 | Balanced, <0.1 |
| hs\_se\_c \* e3\_asmokyn\_p\_2 | -0.040 | -0.007 | Balanced, <0.1 |
| hs\_total\_fruits \* FAS\_score | -0.058 | -0.007 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_2 | -0.036 | -0.007 | Balanced, <0.1 |
| hs\_age\_years \* e3\_sex\_0 | -0.037 | -0.007 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_sex\_0 | -0.026 | -0.007 | Balanced, <0.1 |
| hs\_c\_height \* hs\_co\_c | -0.013 | -0.008 | Balanced, <0.1 |
| hs\_fastfood \* hs\_cd\_c | 0.024 | -0.008 | Balanced, <0.1 |
| hs\_se\_c | -0.124 | -0.008 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_6 | 0.004 | -0.008 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_zn\_c | -0.059 | -0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* e3\_asmokyn\_p\_2 | -0.009 | -0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_asmokyn\_p\_2 | -0.009 | -0.008 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_creatinine\_cg | 0.006 | -0.008 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_fruits | -0.047 | -0.008 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_2 | -0.055 | -0.008 | Balanced, <0.1 |
| hs\_se\_c \* e3\_psmokanyt\_2 | -0.048 | -0.008 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_finance\_1 | -0.063 | -0.008 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_tob\_1 | -0.013 | -0.008 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_se\_c | -0.134 | -0.008 | Balanced, <0.1 |
| hs\_total\_veg | -0.053 | -0.008 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_RHEA | -0.040 | -0.008 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_autumn | -0.051 | -0.009 | Balanced, <0.1 |
| hs\_se\_c \* e3\_sex\_0 | -0.031 | -0.009 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_4 | -0.034 | -0.009 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_5 | 0.060 | -0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* h\_ethnicity\_spiro\_2 | -0.011 | -0.009 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_asmokyn\_p\_2 | -0.052 | -0.009 | Balanced, <0.1 |
| hs\_c\_height \* hs\_c\_weight | -0.114 | -0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* h\_ethnicity\_spiro\_2 | -0.011 | -0.009 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_2 | -0.074 | -0.009 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* h\_ethnicity\_spiro\_2 | -0.012 | -0.009 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_org\_food | 0.016 | -0.009 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_winter | -0.038 | -0.009 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_se\_c | -0.069 | -0.009 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_1 | -0.002 | -0.009 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_se\_c | -0.058 | -0.009 | Balanced, <0.1 |
| hs\_co\_c \* e3\_sex\_1 | -0.016 | -0.009 | Balanced, <0.1 |
| FAS\_score \* hs\_cd\_c | -0.031 | -0.009 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_6 | 0.003 | -0.010 | Balanced, <0.1 |
| hs\_co\_c \* e3\_psmokanyt\_2 | -0.008 | -0.010 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_as\_c | -0.069 | -0.010 | Balanced, <0.1 |
| hs\_age\_years \* hs\_c\_weight | -0.126 | -0.010 | Balanced, <0.1 |
| hs\_age\_years \* hs\_co\_c | -0.034 | -0.010 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_date\_neu\_autumn | -0.044 | -0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_1 | -0.025 | -0.010 | Balanced, <0.1 |
| hs\_fastfood \* hs\_hg\_c | -0.015 | -0.010 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_cd\_c | -0.012 | -0.010 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_6 | 0.010 | -0.010 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_co\_c | -0.021 | -0.010 | Balanced, <0.1 |
| hs\_c\_height \* hs\_zn\_c | -0.100 | -0.010 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_winter | -0.073 | -0.010 | Balanced, <0.1 |
| hs\_fastfood \* e3\_asmokcigd\_t1 | -0.022 | -0.010 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_fruits | -0.072 | -0.010 | Balanced, <0.1 |
| FAS\_score \* hs\_co\_c | -0.033 | -0.010 | Balanced, <0.1 |
| hs\_org\_food \* hs\_cu\_c | -0.026 | -0.010 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_fruits | -0.042 | -0.011 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_4 | -0.034 | -0.011 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_2 | -0.014 | -0.011 | Balanced, <0.1 |
| hs\_c\_height \* e3\_psmokanyt\_2 | -0.044 | -0.011 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_spring | -0.031 | -0.011 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_as\_c | -0.082 | -0.011 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_spring | 0.002 | -0.011 | Balanced, <0.1 |
| hs\_zn\_c \* e3\_psmokanyt\_2 | -0.040 | -0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_co\_c | -0.022 | -0.011 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_total\_veg | -0.070 | -0.011 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_3 | -0.068 | -0.011 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_date\_neu\_spring | 0.020 | -0.011 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_sex\_0 | -0.078 | -0.011 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_fruits | -0.069 | -0.011 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_3 | -0.073 | -0.011 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t2 | -0.015 | -0.011 | Balanced, <0.1 |
| hs\_total\_veg \* FAS\_score | -0.081 | -0.011 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_veg | -0.076 | -0.011 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_cd\_c | -0.041 | -0.011 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_asmokyn\_p\_1 | -0.042 | -0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_dift\_mealblood\_imp | -0.023 | -0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_cd\_c | -0.014 | -0.011 | Balanced, <0.1 |
| hs\_c\_height \* e3\_asmokyn\_p\_2 | -0.027 | -0.011 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_veg | -0.066 | -0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_dift\_mealblood\_imp | -0.034 | -0.011 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_2 | -0.046 | -0.012 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_2 | -0.024 | -0.012 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_hg\_c | -0.094 | -0.012 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokyn\_p\_2 | -0.056 | -0.012 | Balanced, <0.1 |
| hs\_c\_weight \* e3\_psmokanyt\_2 | -0.062 | -0.012 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokyn\_p\_2 | -0.027 | -0.012 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_co\_c | -0.014 | -0.012 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_sex\_0 | -0.015 | -0.012 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_5 | -0.013 | -0.012 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_3 | -0.013 | -0.012 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_veg | -0.079 | -0.012 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_2 | -0.032 | -0.012 | Balanced, <0.1 |
| hs\_fastfood \* hs\_tob\_5 | -0.011 | -0.012 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_2 | -0.037 | -0.013 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_3 | -0.111 | -0.013 | Balanced, <0.1 |
| hs\_age\_years \* e3\_psmokanyt\_2 | -0.065 | -0.013 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_BIB | -0.021 | -0.013 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_sex\_1 | -0.029 | -0.013 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_tob\_2 | -0.027 | -0.013 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_fastfood \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_as\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_creatinine\_cg \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_1 | -0.029 | -0.013 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_3 | -0.081 | -0.013 | Balanced, <0.1 |
| hs\_c\_weight \* FAS\_score | -0.130 | -0.013 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_3 | -0.076 | -0.013 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_1 | -0.020 | -0.014 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_RHEA | -0.025 | -0.014 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_RHEA | -0.025 | -0.014 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_3 | 0.018 | -0.014 | Balanced, <0.1 |
| hs\_org\_food | -0.034 | -0.014 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_winter | -0.091 | -0.014 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_as\_c | -0.077 | -0.014 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_tob\_2 | -0.009 | -0.014 | Balanced, <0.1 |
| hs\_org\_food \* hs\_zn\_c | -0.030 | -0.014 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_psmokanyt\_2 | -0.058 | -0.014 | Balanced, <0.1 |
| hs\_c\_height \* hs\_tob\_3 | -0.079 | -0.014 | Balanced, <0.1 |
| hs\_as\_c \* hs\_date\_neu\_autumn | -0.053 | -0.015 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_tob\_3 | -0.079 | -0.015 | Balanced, <0.1 |
| hs\_age\_years \* e3\_asmokyn\_p\_2 | -0.071 | -0.015 | Balanced, <0.1 |
| hs\_se\_c \* hs\_tob\_3 | -0.080 | -0.015 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_pb\_c | -0.044 | -0.015 | Balanced, <0.1 |
| FAS\_score \* e3\_psmokanyt\_2 | -0.062 | -0.015 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_2 | -0.060 | -0.015 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokyn\_p\_2 | -0.062 | -0.015 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* h\_ethnicity\_spiro\_3 | -0.163 | -0.015 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_hg\_c | -0.089 | -0.015 | Balanced, <0.1 |
| hs\_co\_c \* hs\_tob\_2 | -0.026 | -0.015 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_finance\_3 | -0.012 | -0.015 | Balanced, <0.1 |
| hs\_org\_food \* hs\_dift\_mealblood\_imp | -0.019 | -0.015 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_sex\_0 | -0.038 | -0.015 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_dift\_mealblood\_imp | -0.074 | -0.015 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_hg\_c | -0.095 | -0.015 | Balanced, <0.1 |
| hs\_age\_years \* hs\_tob\_2 | -0.046 | -0.015 | Balanced, <0.1 |
| hs\_org\_food \* hs\_se\_c | -0.045 | -0.015 | Balanced, <0.1 |
| hs\_age\_years \* hs\_zn\_c | -0.136 | -0.015 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_3 | -0.077 | -0.015 | Balanced, <0.1 |
| FAS\_score \* hs\_tob\_2 | -0.037 | -0.016 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_pb\_c | -0.074 | -0.016 | Balanced, <0.1 |
| hs\_pb\_c \* h\_ethnicity\_spiro\_3 | -0.105 | -0.016 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_date\_neu\_autumn | -0.064 | -0.016 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_tob\_3 | -0.071 | -0.016 | Balanced, <0.1 |
| hs\_org\_food \* e3\_psmokanyt\_2 | -0.047 | -0.016 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_hg\_c | -0.032 | -0.016 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_autumn | -0.077 | -0.016 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_tob\_3 | -0.081 | -0.016 | Balanced, <0.1 |
| hs\_c\_height \* hs\_se\_c | -0.158 | -0.016 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_spring | -0.007 | -0.016 | Balanced, <0.1 |
| hs\_c\_height \* hs\_org\_food | -0.042 | -0.016 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_hg\_c | -0.048 | -0.016 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_sex\_1 | -0.072 | -0.016 | Balanced, <0.1 |
| hs\_cd\_c \* h\_ethnicity\_spiro\_3 | -0.089 | -0.016 | Balanced, <0.1 |
| FAS\_score | -0.111 | -0.016 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* cohort\_MOBA | -0.027 | -0.016 | Balanced, <0.1 |
| FAS\_score \* hs\_zn\_c | -0.123 | -0.016 | Balanced, <0.1 |
| hs\_co\_c \* hs\_finance\_1 | -0.065 | -0.017 | Balanced, <0.1 |
| hs\_total\_fruits \* e3\_asmokcigd\_t1 | -0.041 | -0.017 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_asmokyn\_p\_2 | -0.105 | -0.017 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_pm25\_dy\_hs\_t | -0.059 | -0.017 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_spring | -0.043 | -0.017 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_finance\_2 | -0.079 | -0.017 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokcigd\_t3 | -0.037 | -0.017 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_date\_neu\_autumn | -0.045 | -0.017 | Balanced, <0.1 |
| hs\_pb\_c \* hs\_tob\_3 | -0.066 | -0.017 | Balanced, <0.1 |
| hs\_age\_years \* hs\_se\_c | -0.163 | -0.017 | Balanced, <0.1 |
| FAS\_score \* hs\_se\_c | -0.150 | -0.017 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_1 | -0.026 | -0.017 | Balanced, <0.1 |
| hs\_as\_c \* e3\_asmokyn\_p\_2 | -0.080 | -0.017 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_tob\_2 | -0.029 | -0.017 | Balanced, <0.1 |
| hs\_total\_veg \* e3\_asmokcigd\_t1 | -0.017 | -0.017 | Balanced, <0.1 |
| hs\_fastfood \* hs\_date\_neu\_autumn | -0.043 | -0.017 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_date\_neu\_autumn | -0.070 | -0.017 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_tob\_5 | -0.030 | -0.017 | Balanced, <0.1 |
| FAS\_score \* e3\_asmokcigd\_t1 | -0.040 | -0.017 | Balanced, <0.1 |
| FAS\_score \* hs\_finance\_1 | -0.112 | -0.018 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* cohort\_MOBA | -0.028 | -0.018 | Balanced, <0.1 |
| e3\_asmokcigd\_t2 \* hs\_date\_neu\_summer | -0.021 | -0.018 | Balanced, <0.1 |
| hs\_org\_food \* hs\_hg\_c | -0.075 | -0.018 | Balanced, <0.1 |
| hs\_as\_c \* e3\_psmokanyt\_2 | -0.074 | -0.018 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_SAB | -0.060 | -0.018 | Balanced, <0.1 |
| hs\_total\_fruits \* h\_ethnicity\_spiro\_3 | -0.180 | -0.018 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_6 | -0.001 | -0.018 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_SAB | -0.056 | -0.018 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_psmokanyt\_2 | -0.032 | -0.018 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_2 | -0.034 | -0.018 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_2 | -0.058 | -0.018 | Balanced, <0.1 |
| hs\_age\_years \* hs\_org\_food | -0.057 | -0.018 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_MOBA | -0.031 | -0.019 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_sex\_0 | -0.070 | -0.019 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* e3\_psmokanyt\_2 | -0.006 | -0.019 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* h\_ethnicity\_spiro\_3 | -0.169 | -0.019 | Balanced, <0.1 |
| hs\_se\_c \* hs\_date\_neu\_autumn | -0.079 | -0.019 | Balanced, <0.1 |
| hs\_as\_c \* hs\_finance\_2 | -0.058 | -0.019 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_finance\_1 | -0.114 | -0.019 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_org\_food | -0.049 | -0.019 | Balanced, <0.1 |
| hs\_se\_c \* hs\_finance\_1 | -0.112 | -0.019 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_3 | -0.084 | -0.019 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_cd\_c | -0.050 | -0.019 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_cd\_c | -0.064 | -0.020 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_winter | -0.056 | -0.020 | Balanced, <0.1 |
| hs\_co\_c \* hs\_date\_neu\_autumn | -0.048 | -0.020 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_1 | -0.038 | -0.020 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_finance\_1 | -0.103 | -0.020 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_hg\_c | -0.043 | -0.020 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_as\_c | -0.107 | -0.020 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_tob\_2 | -0.052 | -0.020 | Balanced, <0.1 |
| hs\_cd\_c \* e3\_asmokyn\_p\_1 | -0.051 | -0.020 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* cohort\_RHEA | -0.026 | -0.020 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_date\_neu\_spring | -0.051 | -0.020 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_veg | -0.047 | -0.020 | Balanced, <0.1 |
| hs\_age\_years | -0.155 | -0.020 | Balanced, <0.1 |
| hs\_age\_years \* hs\_c\_height | -0.153 | -0.021 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_hg\_c | -0.112 | -0.021 | Balanced, <0.1 |
| hs\_as\_c \* hs\_tob\_1 | -0.055 | -0.021 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_se\_c | -0.125 | -0.021 | Balanced, <0.1 |
| hs\_org\_food \* FAS\_score | -0.063 | -0.021 | Balanced, <0.1 |
| hs\_c\_height \* FAS\_score | -0.137 | -0.021 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_tob\_2 | -0.065 | -0.021 | Balanced, <0.1 |
| hs\_age\_years \* FAS\_score | -0.153 | -0.021 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_zn\_c | -0.132 | -0.021 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_date\_neu\_autumn | -0.075 | -0.021 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* hs\_finance\_1 | -0.101 | -0.022 | Balanced, <0.1 |
| hs\_fastfood \* hs\_finance\_1 | -0.030 | -0.022 | Balanced, <0.1 |
| hs\_hg\_c \* e3\_psmokanyt\_2 | -0.094 | -0.022 | Balanced, <0.1 |
| hs\_hg\_c | -0.123 | -0.022 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_date\_neu\_autumn | -0.083 | -0.022 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_tob\_3 | -0.065 | -0.022 | Balanced, <0.1 |
| hs\_c\_height \* hs\_date\_neu\_autumn | -0.080 | -0.022 | Balanced, <0.1 |
| hs\_org\_food \* e3\_asmokcigd\_t1 | -0.039 | -0.023 | Balanced, <0.1 |
| FAS\_score \* hs\_hg\_c | -0.119 | -0.023 | Balanced, <0.1 |
| hs\_cu\_c \* hs\_hg\_c | -0.118 | -0.023 | Balanced, <0.1 |
| hs\_c\_height \* hs\_hg\_c | -0.126 | -0.023 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_MOBA | -0.134 | -0.023 | Balanced, <0.1 |
| hs\_fastfood \* hs\_total\_fish | 0.008 | -0.023 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_1 | -0.094 | -0.023 | Balanced, <0.1 |
| hs\_age\_years \* hs\_finance\_1 | -0.123 | -0.023 | Balanced, <0.1 |
| hs\_co\_c \* h\_ethnicity\_spiro\_3 | -0.141 | -0.023 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_sex\_1 | -0.089 | -0.023 | Balanced, <0.1 |
| hs\_c\_height \* hs\_finance\_1 | -0.117 | -0.023 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_SAB | -0.114 | -0.024 | Balanced, <0.1 |
| hs\_cd\_c \* hs\_finance\_1 | -0.069 | -0.024 | Balanced, <0.1 |
| hs\_org\_food \* hs\_co\_c | -0.041 | -0.024 | Balanced, <0.1 |
| hs\_age\_years \* hs\_hg\_c | -0.132 | -0.024 | Balanced, <0.1 |
| FAS\_score \* hs\_date\_neu\_autumn | -0.099 | -0.024 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_finance\_3 | -0.043 | -0.024 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_pb\_c | -0.048 | -0.024 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_3 | -0.095 | -0.025 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_date\_neu\_autumn | -0.078 | -0.025 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_date\_neu\_summer | -0.033 | -0.025 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_fruits | -0.084 | -0.025 | Balanced, <0.1 |
| hs\_c\_height | -0.152 | -0.025 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_hg\_c | -0.126 | -0.025 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_dift\_mealblood\_imp | -0.088 | -0.025 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_dift\_mealblood\_imp | -0.040 | -0.025 | Balanced, <0.1 |
| hs\_org\_food \* e3\_sex\_1 | -0.039 | -0.026 | Balanced, <0.1 |
| hs\_org\_food \* hs\_finance\_4 | -0.027 | -0.026 | Balanced, <0.1 |
| hs\_age\_years \* hs\_date\_neu\_autumn | -0.093 | -0.026 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_SAB | -0.134 | -0.026 | Balanced, <0.1 |
| hs\_zn\_c \* hs\_finance\_1 | -0.116 | -0.026 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_cd\_c | -0.067 | -0.026 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_finance\_1 | -0.105 | -0.027 | Balanced, <0.1 |
| hs\_total\_veg \* h\_ethnicity\_spiro\_3 | -0.175 | -0.027 | Balanced, <0.1 |
| hs\_as\_c \* cohort\_MOBA | -0.104 | -0.027 | Balanced, <0.1 |
| hs\_org\_food \* hs\_date\_neu\_winter | -0.034 | -0.027 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_tob\_2 | -0.076 | -0.027 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_3 | -0.229 | -0.028 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* hs\_date\_neu\_summer | -0.039 | -0.028 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* hs\_total\_fish | -0.108 | -0.029 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_3 | -0.134 | -0.030 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_total\_veg | -0.119 | -0.030 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_SAB | -0.122 | -0.030 | Balanced, <0.1 |
| hs\_hg\_c \* hs\_tob\_5 | -0.066 | -0.030 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_co\_c | -0.088 | -0.030 | Balanced, <0.1 |
| hs\_hg\_c \* h\_ethnicity\_spiro\_3 | -0.159 | -0.030 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_finance\_1 | -0.128 | -0.030 | Balanced, <0.1 |
| hs\_total\_fruits \* hs\_date\_neu\_autumn | -0.089 | -0.031 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_hg\_c | -0.116 | -0.031 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_hg\_c | -0.131 | -0.031 | Balanced, <0.1 |
| hs\_c\_weight \* h\_ethnicity\_spiro\_3 | -0.248 | -0.031 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_SAB | -0.140 | -0.032 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_finance\_1 | -0.120 | -0.032 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_psmokanyt\_2 | -0.127 | -0.032 | Balanced, <0.1 |
| hs\_total\_veg \* hs\_finance\_1 | -0.122 | -0.032 | Balanced, <0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_3 | -0.254 | -0.032 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_c\_weight | -0.131 | -0.032 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_veg | -0.112 | -0.032 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_sex\_0 | -0.075 | -0.032 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_SAB | -0.141 | -0.032 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_SAB | -0.136 | -0.033 | Balanced, <0.1 |
| hs\_cd\_c \* cohort\_MOBA | -0.089 | -0.033 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_org\_food | -0.084 | -0.033 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_SAB | -0.116 | -0.034 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_zn\_c | -0.123 | -0.034 | Balanced, <0.1 |
| hs\_total\_fish \* e3\_asmokyn\_p\_2 | -0.120 | -0.034 | Balanced, <0.1 |
| hs\_c\_weight \* hs\_total\_fish | -0.159 | -0.034 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_se\_c | -0.153 | -0.035 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_cu\_c | -0.099 | -0.035 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_zn\_c | -0.155 | -0.035 | Balanced, <0.1 |
| hs\_se\_c \* h\_ethnicity\_spiro\_3 | -0.264 | -0.035 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_3 | -0.263 | -0.036 | Balanced, <0.1 |
| hs\_age\_years \* h\_ethnicity\_spiro\_3 | -0.256 | -0.036 | Balanced, <0.1 |
| hs\_hg\_c \* cohort\_SAB | -0.124 | -0.036 | Balanced, <0.1 |
| hs\_org\_food \* hs\_tob\_2 | -0.055 | -0.037 | Balanced, <0.1 |
| hs\_age\_years \* hs\_total\_fish | -0.162 | -0.037 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_total\_fruits | -0.126 | -0.037 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_cu\_c | -0.136 | -0.037 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_co\_c | -0.087 | -0.037 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_se\_c | -0.135 | -0.038 | Balanced, <0.1 |
| hs\_c\_height \* hs\_total\_fish | -0.153 | -0.038 | Balanced, <0.1 |
| hs\_total\_fish | -0.145 | -0.038 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_SAB | -0.149 | -0.038 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_SAB | -0.144 | -0.038 | Balanced, <0.1 |
| hs\_total\_fish \* hs\_date\_neu\_autumn | -0.104 | -0.039 | Balanced, <0.1 |
| hs\_org\_food \* hs\_total\_fish | -0.098 | -0.039 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t | -0.117 | -0.039 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_SAB | -0.136 | -0.039 | Balanced, <0.1 |
| hs\_c\_height \* h\_ethnicity\_spiro\_3 | -0.270 | -0.039 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_psmokanyt\_2 | -0.092 | -0.039 | Balanced, <0.1 |
| hs\_org\_food \* cohort\_MOBA | -0.123 | -0.039 | Balanced, <0.1 |
| FAS\_score \* cohort\_SAB | -0.143 | -0.040 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_SAB | -0.151 | -0.040 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_SAB | -0.139 | -0.040 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_date\_neu\_autumn | -0.105 | -0.040 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_SAB | -0.153 | -0.040 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* e3\_asmokyn\_p\_2 | -0.098 | -0.040 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_SAB | -0.156 | -0.041 | Balanced, <0.1 |
| hs\_total\_fish \* FAS\_score | -0.155 | -0.041 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_c\_height | -0.131 | -0.041 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* FAS\_score | -0.132 | -0.041 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* hs\_total\_fish | -0.143 | -0.042 | Balanced, <0.1 |
| hs\_total\_fish \* h\_ethnicity\_spiro\_3 | -0.225 | -0.044 | Balanced, <0.1 |
| hs\_age\_years \* hs\_no2\_dy\_hs\_t | -0.152 | -0.044 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_SAB | -0.152 | -0.046 | Balanced, <0.1 |
| hs\_total\_fish \* cohort\_MOBA | -0.137 | -0.046 | Balanced, <0.1 |
| hs\_pb\_c \* cohort\_MOBA | -0.158 | -0.047 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* h\_ethnicity\_spiro\_3 | -0.217 | -0.049 | Balanced, <0.1 |
| hs\_co\_c \* cohort\_MOBA | -0.112 | -0.049 | Balanced, <0.1 |
| hs\_total\_fruits \* cohort\_MOBA | -0.164 | -0.051 | Balanced, <0.1 |
| hs\_fastfood \* cohort\_MOBA | -0.146 | -0.054 | Balanced, <0.1 |
| hs\_dift\_mealblood\_imp \* cohort\_MOBA | -0.167 | -0.054 | Balanced, <0.1 |
| hs\_no2\_dy\_hs\_t \* cohort\_MOBA | -0.157 | -0.055 | Balanced, <0.1 |
| hs\_pm25\_dy\_hs\_t \* cohort\_MOBA | -0.159 | -0.055 | Balanced, <0.1 |
| hs\_total\_veg \* cohort\_MOBA | -0.159 | -0.057 | Balanced, <0.1 |
| hs\_se\_c \* cohort\_MOBA | -0.180 | -0.057 | Balanced, <0.1 |
| hs\_creatinine\_cg \* cohort\_MOBA | -0.158 | -0.058 | Balanced, <0.1 |
| hs\_cu\_c \* cohort\_MOBA | -0.180 | -0.059 | Balanced, <0.1 |
| hs\_age\_years \* cohort\_MOBA | -0.182 | -0.059 | Balanced, <0.1 |
| hs\_zn\_c \* cohort\_MOBA | -0.180 | -0.060 | Balanced, <0.1 |
| hs\_c\_height \* cohort\_MOBA | -0.182 | -0.060 | Balanced, <0.1 |
| hs\_c\_weight \* cohort\_MOBA | -0.178 | -0.060 | Balanced, <0.1 |
| FAS\_score \* cohort\_MOBA | -0.182 | -0.061 | Balanced, <0.1 |
| binary | | | |
| hs\_tob\_4 \* hs\_finance\_3 | 0.147 | 0.053 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_winter | 0.082 | 0.052 | Balanced, <0.1 |
| cohort\_BIB \* e3\_sex\_1 | 0.107 | 0.045 | Balanced, <0.1 |
| cohort\_KANC \* e3\_asmokyn\_p\_1 | 0.051 | 0.043 | Balanced, <0.1 |
| cohort\_BIB \* e3\_asmokyn\_p\_2 | 0.172 | 0.041 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_3 | 0.056 | 0.040 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_RHEA | 0.022 | 0.038 | Balanced, <0.1 |
| cohort\_BIB | 0.164 | 0.038 | Balanced, <0.1 |
| cohort\_KANC | 0.217 | 0.038 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_psmokanyt\_1 | 0.177 | 0.037 | Balanced, <0.1 |
| cohort\_KANC \* h\_ethnicity\_spiro\_3 | 0.103 | 0.037 | Balanced, <0.1 |
| e3\_asmokcigd\_t1 \* hs\_finance\_6 | 0.037 | 0.037 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_2 | 0.076 | 0.036 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_summer | 0.108 | 0.036 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_autumn | -0.003 | 0.036 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_5 | 0.052 | 0.036 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_summer | 0.111 | 0.035 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_summer | 0.092 | 0.033 | Balanced, <0.1 |
| cohort\_BIB \* e3\_psmokanyt\_2 | 0.112 | 0.032 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_SAB | 0.123 | 0.032 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_autumn | 0.106 | 0.032 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_2 | -0.004 | 0.031 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_spring | 0.043 | 0.031 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_asmokyn\_p\_1 | 0.041 | 0.031 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_BIB | 0.164 | 0.031 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_KANC | 0.140 | 0.031 | Balanced, <0.1 |
| cohort\_KANC \* h\_ethnicity\_spiro\_5 | 0.199 | 0.031 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_3 | 0.147 | 0.030 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_summer | 0.045 | 0.030 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_psmokanyt\_1 | 0.104 | 0.030 | Balanced, <0.1 |
| hs\_date\_neu\_summer \* e3\_sex\_1 | 0.069 | 0.030 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_spring | 0.153 | 0.030 | Balanced, <0.1 |
| cohort\_KANC \* e3\_sex\_0 | 0.164 | 0.029 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_sex\_0 | 0.011 | 0.029 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_winter | 0.068 | 0.029 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_summer | 0.023 | 0.029 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_KANC | 0.119 | 0.028 | Balanced, <0.1 |
| cohort\_EDEN | 0.009 | 0.028 | Balanced, <0.1 |
| cohort\_EDEN \* h\_ethnicity\_spiro\_3 | 0.009 | 0.028 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_EDEN | 0.023 | 0.028 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_asmokyn\_p\_1 | 0.096 | 0.027 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_asmokyn\_p\_2 | -0.006 | 0.027 | Balanced, <0.1 |
| cohort\_KANC \* e3\_asmokyn\_p\_2 | 0.209 | 0.027 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_3 | 0.169 | 0.027 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 | 0.193 | 0.027 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_sex\_0 | 0.152 | 0.027 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_5 | 0.119 | 0.027 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_EDEN | 0.008 | 0.026 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_summer | 0.025 | 0.026 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_psmokanyt\_2 | 0.015 | 0.026 | Balanced, <0.1 |
| cohort\_KANC \* e3\_psmokanyt\_2 | 0.161 | 0.026 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_3 | 0.187 | 0.026 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_psmokanyt\_2 | 0.131 | 0.025 | Balanced, <0.1 |
| cohort\_KANC \* e3\_psmokanyt\_1 | 0.132 | 0.025 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_winter | 0.110 | 0.025 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_autumn | 0.047 | 0.024 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_autumn | 0.097 | 0.024 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_sex\_0 | 0.146 | 0.024 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_spring | 0.016 | 0.024 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_winter | 0.001 | 0.024 | Balanced, <0.1 |
| hs\_date\_neu\_summer | 0.094 | 0.023 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_summer | 0.034 | 0.023 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_5 | 0.021 | 0.023 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_2 | 0.155 | 0.022 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_psmokanyt\_1 | 0.037 | 0.021 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_6 | 0.021 | 0.021 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_asmokyn\_p\_1 | 0.021 | 0.021 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_summer | 0.054 | 0.021 | Balanced, <0.1 |
| cohort\_KANC \* e3\_sex\_1 | 0.127 | 0.021 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_sex\_1 | 0.095 | 0.021 | Balanced, <0.1 |
| hs\_tob\_4 | 0.074 | 0.020 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_summer | 0.046 | 0.020 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_autumn | 0.009 | 0.020 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_spring | 0.101 | 0.020 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_asmokyn\_p\_2 | 0.187 | 0.020 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_psmokanyt\_1 | 0.020 | 0.020 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_psmokanyt\_2 | -0.001 | 0.020 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_BIB | 0.033 | 0.020 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_psmokanyt\_1 | 0.029 | 0.020 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_winter | 0.104 | 0.020 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_asmokyn\_p\_2 | 0.142 | 0.020 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_psmokanyt\_2 | 0.022 | 0.019 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_1 | 0.060 | 0.019 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 | 0.060 | 0.019 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_psmokanyt\_2 | 0.060 | 0.019 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_psmokanyt\_1 | 0.124 | 0.019 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 | 0.145 | 0.019 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_2 | 0.023 | 0.018 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_asmokyn\_p\_2 | 0.067 | 0.018 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_1 | 0.067 | 0.018 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_5 | 0.042 | 0.018 | Balanced, <0.1 |
| cohort\_BIB \* e3\_psmokanyt\_1 | 0.122 | 0.018 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_3 | 0.181 | 0.017 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_psmokanyt\_2 | 0.135 | 0.017 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_sex\_1 | 0.012 | 0.017 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_5 | 0.107 | 0.017 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_winter | 0.049 | 0.017 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_asmokyn\_p\_2 | 0.039 | 0.017 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_finance\_2 | 0.075 | 0.017 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_sex\_1 | 0.019 | 0.017 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_sex\_0 | 0.017 | 0.016 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_sex\_1 | 0.021 | 0.016 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* e3\_sex\_1 | 0.044 | 0.016 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_BIB | 0.024 | 0.016 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_autumn | 0.013 | 0.016 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_winter | 0.074 | 0.016 | Balanced, <0.1 |
| hs\_finance\_5 | 0.039 | 0.016 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_6 | 0.041 | 0.016 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_winter | 0.064 | 0.015 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_spring | 0.076 | 0.015 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_sex\_1 | 0.074 | 0.015 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_2 | 0.096 | 0.015 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_5 | 0.002 | 0.015 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_1 | -0.013 | 0.015 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_winter | 0.016 | 0.015 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_spring | -0.014 | 0.015 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_3 | 0.055 | 0.015 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_sex\_1 | 0.070 | 0.015 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_2 | 0.095 | 0.015 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_winter | 0.043 | 0.014 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_psmokanyt\_1 | 0.008 | 0.014 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_psmokanyt\_1 | -0.006 | 0.014 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_sex\_0 | 0.032 | 0.014 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_2 | -0.018 | 0.014 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_6 | 0.034 | 0.014 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_autumn | 0.050 | 0.014 | Balanced, <0.1 |
| hs\_finance\_3 | 0.137 | 0.014 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_psmokanyt\_1 | -0.007 | 0.013 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_EDEN | 0.034 | 0.013 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_summer | 0.026 | 0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_summer | 0.072 | 0.013 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_winter | 0.000 | 0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* e3\_sex\_1 | 0.113 | 0.012 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_KANC | 0.050 | 0.012 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_5 | 0.050 | 0.012 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_4 | 0.058 | 0.011 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_2 | 0.048 | 0.011 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_1 | 0.048 | 0.011 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_autumn | 0.004 | 0.011 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_spring | 0.066 | 0.011 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_5 | 0.021 | 0.011 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_2 | 0.151 | 0.010 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_1 | -0.024 | 0.010 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_sex\_1 | 0.033 | 0.010 | Balanced, <0.1 |
| hs\_tob\_4 \* h\_ethnicity\_spiro\_2 | 0.001 | 0.010 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_4 | -0.013 | 0.010 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_asmokyn\_p\_2 | 0.135 | 0.010 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_winter | -0.009 | 0.010 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_finance\_3 | 0.004 | 0.010 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_asmokyn\_p\_2 | 0.034 | 0.009 | Balanced, <0.1 |
| hs\_date\_neu\_winter \* e3\_sex\_1 | -0.006 | 0.009 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_5 | 0.009 | 0.009 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_summer | 0.016 | 0.009 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_3 | 0.052 | 0.009 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_spring | 0.008 | 0.009 | Balanced, <0.1 |
| cohort\_BIB \* e3\_sex\_0 | 0.115 | 0.008 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_autumn | -0.003 | 0.008 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_1 | 0.031 | 0.008 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_asmokyn\_p\_1 | 0.023 | 0.008 | Balanced, <0.1 |
| hs\_tob\_1 | 0.036 | 0.008 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_summer | 0.097 | 0.008 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_3 | -0.004 | 0.008 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_sex\_0 | 0.000 | 0.008 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_sex\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_5 | 0.102 | 0.007 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* e3\_asmokyn\_p\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_1 | 0.001 | 0.007 | Balanced, <0.1 |
| cohort\_EDEN \* e3\_asmokyn\_p\_1 | 0.028 | 0.007 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_RHEA | -0.033 | 0.007 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_spring | 0.037 | 0.007 | Balanced, <0.1 |
| cohort\_SAB \* e3\_asmokyn\_p\_1 | -0.025 | 0.007 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_asmokyn\_p\_2 | 0.026 | 0.007 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_1 | -0.002 | 0.006 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_5 | 0.024 | 0.006 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_3 | 0.105 | 0.006 | Balanced, <0.1 |
| hs\_org\_food \* h\_ethnicity\_spiro\_1 | 0.005 | 0.006 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_asmokyn\_p\_2 | -0.044 | 0.006 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_KANC | 0.100 | 0.006 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_2 | -0.027 | 0.006 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_sex\_0 | -0.033 | 0.006 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_4 | -0.041 | 0.006 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_6 | 0.028 | 0.006 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_sex\_0 | 0.031 | 0.006 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_psmokanyt\_2 | 0.009 | 0.006 | Balanced, <0.1 |
| e3\_sex | 0.001 | 0.005 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_psmokanyt\_1 | 0.031 | 0.005 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_asmokyn\_p\_2 | -0.015 | 0.005 | Balanced, <0.1 |
| hs\_finance\_6 | 0.024 | 0.005 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_summer | 0.041 | 0.005 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_1 \* hs\_date\_neu\_spring | -0.004 | 0.005 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_asmokyn\_p\_1 | -0.001 | 0.004 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_psmokanyt\_2 | -0.023 | 0.004 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_sex\_1 | 0.042 | 0.004 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_3 | 0.043 | 0.004 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_2 | 0.003 | 0.004 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_psmokanyt\_2 | 0.012 | 0.004 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_sex\_0 | -0.024 | 0.004 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_4 | -0.011 | 0.003 | Balanced, <0.1 |
| hs\_date\_neu\_summer \* e3\_sex\_0 | 0.060 | 0.003 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_date\_neu\_summer | -0.006 | 0.003 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_asmokyn\_p\_1 | 0.012 | 0.003 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_4 | -0.017 | 0.003 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_sex\_0 | 0.102 | 0.003 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_RHEA | -0.013 | 0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_4 | -0.045 | 0.003 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_psmokanyt\_1 | -0.019 | 0.002 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_1 | 0.039 | 0.002 | Balanced, <0.1 |
| hs\_date\_neu\_spring \* e3\_sex\_1 | 0.018 | 0.002 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_sex\_1 | -0.007 | 0.002 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_winter | -0.060 | 0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_autumn | -0.047 | 0.002 | Balanced, <0.1 |
| hs\_finance\_2 | -0.024 | 0.002 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_winter | -0.054 | 0.001 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_BIB | -0.005 | 0.001 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_sex\_1 | 0.000 | 0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_spring | 0.010 | 0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_spring | 0.042 | 0.001 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_1 | 0.031 | 0.001 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_winter | -0.010 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_psmokanyt\_2 | 0.066 | 0.001 | Balanced, <0.1 |
| hs\_finance\_5 \* e3\_psmokanyt\_2 | 0.026 | 0.001 | Balanced, <0.1 |
| hs\_date\_neu\_autumn \* e3\_sex\_0 | -0.030 | 0.001 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_asmokyn\_p\_1 | -0.026 | 0.001 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_autumn | -0.030 | 0.001 | Balanced, <0.1 |
| hs\_finance\_4 | -0.030 | 0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_spring | 0.144 | 0.000 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_6 | 0.002 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 | 0.006 | 0.000 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* e3\_sex\_0 | 0.008 | 0.000 | Balanced, <0.1 |
| hs\_date\_neu\_winter | -0.036 | 0.000 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_sex\_0 | -0.023 | 0.000 | Balanced, <0.1 |
| cohort\_EDEN \* hs\_finance\_4 | -0.003 | 0.000 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_4 | -0.022 | 0.000 | Balanced, <0.1 |
| hs\_date\_neu\_spring | 0.030 | 0.000 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_BIB | 0.007 | 0.000 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_asmokyn\_p\_2 | 0.042 | 0.000 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_asmokyn\_p\_2 | -0.025 | 0.000 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_winter | -0.034 | 0.000 | Balanced, <0.1 |
| hs\_tob\_4 \* e3\_psmokanyt\_2 | 0.001 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_sex\_1 | -0.088 | -0.001 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_date\_neu\_autumn | 0.025 | -0.001 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_summer | 0.070 | -0.001 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_4 | 0.042 | -0.001 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_EDEN | -0.022 | -0.001 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_sex\_0 | 0.014 | -0.001 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_asmokyn\_p\_1 | -0.020 | -0.002 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_psmokanyt\_1 | 0.022 | -0.002 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_asmokyn\_p\_1 | -0.030 | -0.002 | Balanced, <0.1 |
| cohort\_RHEA | -0.052 | -0.002 | Balanced, <0.1 |
| cohort\_RHEA \* h\_ethnicity\_spiro\_3 | -0.052 | -0.002 | Balanced, <0.1 |
| hs\_date\_neu\_spring \* e3\_sex\_0 | 0.021 | -0.002 | Balanced, <0.1 |
| cohort\_BIB \* e3\_asmokyn\_p\_1 | 0.005 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_sex\_0 | 0.003 | -0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_spring | -0.019 | -0.003 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_5 | -0.014 | -0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_psmokanyt\_2 | -0.017 | -0.003 | Balanced, <0.1 |
| hs\_finance\_2 \* e3\_psmokanyt\_1 | -0.008 | -0.003 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_asmokyn\_p\_1 | -0.013 | -0.003 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_autumn | -0.009 | -0.003 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* e3\_sex\_1 | -0.010 | -0.003 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_asmokyn\_p\_2 | 0.017 | -0.003 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_5 | 0.037 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_asmokyn\_p\_1 | 0.029 | -0.003 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* e3\_sex\_1 | 0.039 | -0.003 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_psmokanyt\_1 | -0.044 | -0.004 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_winter | -0.044 | -0.005 | Balanced, <0.1 |
| hs\_finance\_3 \* e3\_psmokanyt\_1 | 0.053 | -0.005 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_4 | -0.016 | -0.005 | Balanced, <0.1 |
| cohort\_BIB \* hs\_finance\_5 | 0.045 | -0.005 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_1 | -0.017 | -0.005 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_MOBA | -0.019 | -0.005 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 | 0.006 | -0.006 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_autumn | -0.052 | -0.006 | Balanced, <0.1 |
| cohort\_KANC \* hs\_finance\_4 | 0.000 | -0.006 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* hs\_date\_neu\_summer | 0.016 | -0.006 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_winter | 0.000 | -0.006 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_asmokyn\_p\_1 | -0.035 | -0.007 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_psmokanyt\_1 | -0.046 | -0.007 | Balanced, <0.1 |
| e3\_psmokanyt\_1 \* e3\_sex\_0 | -0.010 | -0.007 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_sex\_0 | -0.025 | -0.007 | Balanced, <0.1 |
| cohort\_BIB \* h\_ethnicity\_spiro\_5 | -0.002 | -0.007 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_sex\_0 | 0.021 | -0.007 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_6 | 0.000 | -0.007 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_5 | -0.002 | -0.007 | Balanced, <0.1 |
| hs\_tob\_1 \* e3\_asmokyn\_p\_1 | 0.006 | -0.007 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_asmokyn\_p\_1 | -0.032 | -0.007 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_sex\_1 | -0.046 | -0.007 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_spring | 0.002 | -0.007 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_winter | -0.014 | -0.007 | Balanced, <0.1 |
| e3\_psmokanyt\_2 | -0.026 | -0.007 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_SAB | -0.052 | -0.007 | Balanced, <0.1 |
| hs\_date\_neu\_winter \* e3\_sex\_0 | -0.037 | -0.008 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_winter | -0.046 | -0.008 | Balanced, <0.1 |
| cohort\_SAB \* e3\_sex\_1 | -0.059 | -0.008 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_3 | -0.002 | -0.008 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_2 | -0.038 | -0.008 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_summer | -0.006 | -0.009 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_4 | -0.012 | -0.009 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_3 | -0.015 | -0.009 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* e3\_sex\_1 | -0.039 | -0.009 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_2 | -0.012 | -0.009 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_sex\_0 | -0.024 | -0.009 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* e3\_psmokanyt\_2 | -0.019 | -0.010 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_SAB | -0.064 | -0.010 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_sex\_0 | -0.065 | -0.010 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_spring | -0.062 | -0.010 | Balanced, <0.1 |
| hs\_finance\_6 \* hs\_date\_neu\_autumn | -0.009 | -0.010 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_finance\_3 | -0.003 | -0.010 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_psmokanyt\_1 | -0.058 | -0.010 | Balanced, <0.1 |
| hs\_tob\_5 \* h\_ethnicity\_spiro\_3 | -0.042 | -0.010 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_1 | -0.067 | -0.010 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_1 | -0.071 | -0.010 | Balanced, <0.1 |
| hs\_finance\_5 \* hs\_date\_neu\_autumn | 0.002 | -0.011 | Balanced, <0.1 |
| hs\_tob\_3 \* h\_ethnicity\_spiro\_3 | -0.088 | -0.011 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_5 | 0.005 | -0.011 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_MOBA | -0.070 | -0.011 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_asmokyn\_p\_2 | -0.028 | -0.011 | Balanced, <0.1 |
| hs\_finance\_3 \* hs\_date\_neu\_spring | 0.075 | -0.011 | Balanced, <0.1 |
| hs\_tob\_5 \* e3\_psmokanyt\_1 | -0.006 | -0.011 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_2 | -0.011 | -0.011 | Balanced, <0.1 |
| e3\_asmokcigd\_t3 \* e3\_asmokyn\_p\_2 | -0.013 | -0.011 | Balanced, <0.1 |
| hs\_tob\_2 | -0.030 | -0.011 | Balanced, <0.1 |
| cohort\_KANC \* hs\_date\_neu\_summer | 0.094 | -0.011 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_RHEA | 0.000 | -0.012 | Balanced, <0.1 |
| hs\_tob\_3 \* cohort\_KANC | 0.020 | -0.012 | Balanced, <0.1 |
| hs\_tob\_3 \* h\_ethnicity\_spiro\_5 | 0.020 | -0.012 | Balanced, <0.1 |
| hs\_finance\_6 \* e3\_psmokanyt\_2 | -0.001 | -0.012 | Balanced, <0.1 |
| hs\_finance\_4 \* hs\_date\_neu\_spring | -0.023 | -0.012 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_4 | -0.013 | -0.012 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_spring | -0.031 | -0.012 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_finance\_3 | -0.027 | -0.013 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_psmokanyt\_2 | -0.058 | -0.013 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_asmokyn\_p\_2 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_psmokanyt\_2 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* e3\_sex\_1 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* hs\_date\_neu\_autumn | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_4 \* hs\_finance\_1 | -0.019 | -0.013 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_4 | -0.019 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_date\_neu\_summer | 0.089 | -0.013 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_2 | -0.107 | -0.013 | Balanced, <0.1 |
| hs\_tob\_5 \* hs\_date\_neu\_summer | -0.001 | -0.013 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_finance\_1 | -0.065 | -0.014 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_EDEN | -0.036 | -0.014 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_winter | -0.066 | -0.014 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_psmokanyt\_1 | -0.098 | -0.014 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_summer | -0.038 | -0.014 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_5 \* hs\_finance\_4 | -0.008 | -0.014 | Balanced, <0.1 |
| hs\_tob\_3 | -0.077 | -0.014 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_sex\_1 | -0.050 | -0.014 | Balanced, <0.1 |
| hs\_tob\_2 \* h\_ethnicity\_spiro\_3 | -0.088 | -0.015 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_asmokyn\_p\_2 | -0.069 | -0.015 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_finance\_1 | -0.054 | -0.015 | Balanced, <0.1 |
| hs\_finance\_4 \* e3\_sex\_0 | -0.053 | -0.016 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_SAB | -0.072 | -0.016 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_5 | -0.019 | -0.016 | Balanced, <0.1 |
| hs\_tob\_1 \* h\_ethnicity\_spiro\_3 | -0.125 | -0.016 | Balanced, <0.1 |
| cohort\_RHEA \* e3\_asmokyn\_p\_1 | -0.023 | -0.017 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_finance\_2 | -0.056 | -0.017 | Balanced, <0.1 |
| hs\_tob\_2 \* hs\_date\_neu\_spring | -0.046 | -0.019 | Balanced, <0.1 |
| hs\_tob\_3 \* hs\_date\_neu\_spring | -0.035 | -0.019 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_asmokyn\_p\_1 | -0.036 | -0.019 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_3 | -0.063 | -0.020 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_sex\_1 | -0.081 | -0.020 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_psmokanyt\_2 | -0.146 | -0.020 | Balanced, <0.1 |
| hs\_date\_neu\_autumn | -0.073 | -0.020 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_6 | -0.021 | -0.020 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_finance\_6 | -0.021 | -0.020 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_asmokyn\_p\_2 | -0.104 | -0.021 | Balanced, <0.1 |
| cohort\_SAB \* e3\_psmokanyt\_1 | -0.089 | -0.021 | Balanced, <0.1 |
| hs\_tob\_2 \* e3\_psmokanyt\_2 | -0.031 | -0.022 | Balanced, <0.1 |
| hs\_finance\_1 | -0.113 | -0.022 | Balanced, <0.1 |
| e3\_asmokyn\_p\_1 \* hs\_date\_neu\_summer | -0.023 | -0.023 | Balanced, <0.1 |
| hs\_finance\_2 \* hs\_date\_neu\_winter | -0.039 | -0.024 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_winter | -0.109 | -0.025 | Balanced, <0.1 |
| hs\_tob\_4 \* hs\_finance\_2 | -0.034 | -0.025 | Balanced, <0.1 |
| hs\_tob\_4 \* cohort\_MOBA | -0.045 | -0.026 | Balanced, <0.1 |
| e3\_asmokyn\_p\_2 \* hs\_date\_neu\_autumn | -0.082 | -0.027 | Balanced, <0.1 |
| hs\_tob\_1 \* hs\_date\_neu\_autumn | -0.050 | -0.027 | Balanced, <0.1 |
| hs\_tob\_3 \* e3\_sex\_1 | -0.075 | -0.027 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_date\_neu\_autumn | -0.139 | -0.028 | Balanced, <0.1 |
| hs\_tob\_5 \* cohort\_RHEA | -0.050 | -0.028 | Balanced, <0.1 |
| cohort\_BIB \* hs\_date\_neu\_autumn | -0.017 | -0.028 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_winter | -0.040 | -0.028 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* hs\_finance\_1 | -0.153 | -0.028 | Balanced, <0.1 |
| hs\_date\_neu\_autumn \* e3\_sex\_1 | -0.068 | -0.029 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_autumn | -0.070 | -0.030 | Balanced, <0.1 |
| hs\_tob\_2 \* cohort\_MOBA | -0.079 | -0.030 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_2 \* hs\_date\_neu\_autumn | -0.028 | -0.030 | Balanced, <0.1 |
| e3\_psmokanyt\_2 \* hs\_date\_neu\_autumn | -0.087 | -0.031 | Balanced, <0.1 |
| hs\_finance\_1 \* e3\_psmokanyt\_2 | -0.118 | -0.032 | Balanced, <0.1 |
| cohort\_RHEA \* hs\_date\_neu\_spring | -0.068 | -0.032 | Balanced, <0.1 |
| FAS\_score \* h\_ethnicity\_spiro\_4 | -0.046 | -0.032 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_asmokyn\_p\_2 | -0.225 | -0.032 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 \* e3\_sex\_0 | -0.156 | -0.032 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_2 | -0.080 | -0.032 | Balanced, <0.1 |
| cohort\_SAB \* e3\_psmokanyt\_2 | -0.114 | -0.032 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_date\_neu\_winter | -0.102 | -0.033 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_sex\_0 | -0.124 | -0.034 | Balanced, <0.1 |
| h\_ethnicity\_spiro\_3 | -0.266 | -0.037 | Balanced, <0.1 |
| cohort\_SAB \* hs\_date\_neu\_spring | -0.113 | -0.037 | Balanced, <0.1 |
| hs\_finance\_1 \* hs\_date\_neu\_autumn | -0.115 | -0.039 | Balanced, <0.1 |
| cohort\_SAB | -0.151 | -0.039 | Balanced, <0.1 |
| cohort\_SAB \* h\_ethnicity\_spiro\_3 | -0.151 | -0.039 | Balanced, <0.1 |
| cohort\_SAB \* hs\_finance\_2 | -0.102 | -0.040 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_SAB | -0.121 | -0.042 | Balanced, <0.1 |
| cohort\_SAB \* e3\_sex\_0 | -0.136 | -0.042 | Balanced, <0.1 |
| hs\_tob\_1 \* cohort\_MOBA | -0.130 | -0.045 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_date\_neu\_autumn | -0.144 | -0.048 | Balanced, <0.1 |
| cohort\_MOBA \* hs\_finance\_1 | -0.158 | -0.048 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_sex\_1 | -0.125 | -0.049 | Balanced, <0.1 |
| cohort\_SAB \* e3\_asmokyn\_p\_2 | -0.154 | -0.049 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_asmokyn\_p\_2 | -0.178 | -0.057 | Balanced, <0.1 |
| cohort\_MOBA | -0.183 | -0.060 | Balanced, <0.1 |
| cohort\_MOBA \* e3\_psmokanyt\_2 | -0.182 | -0.062 | Balanced, <0.1 |
| cohort\_MOBA \* h\_ethnicity\_spiro\_3 | -0.183 | -0.065 | Balanced, <0.1 |
| hs\_cu\_c \* h\_ethnicity\_spiro\_4 | -1.599 | -1.108 | Not Balanced, >0.1 |
| hs\_zn\_c \* h\_ethnicity\_spiro\_4 | NaN | NaN |  |