

Figure1. Mendelian randomization results of causal effects between food type and cortical regions

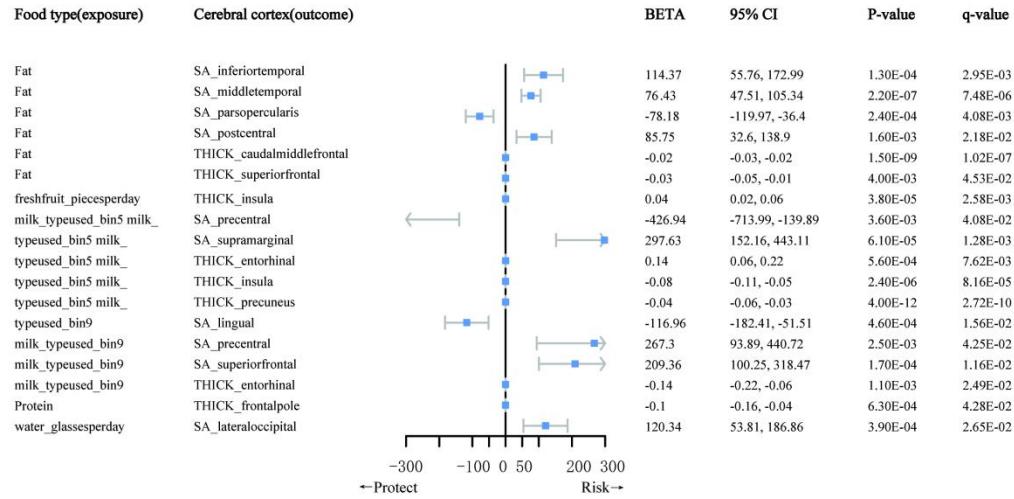


Figure2. Mendelian randomization results of causal effects between cortical regions and food type

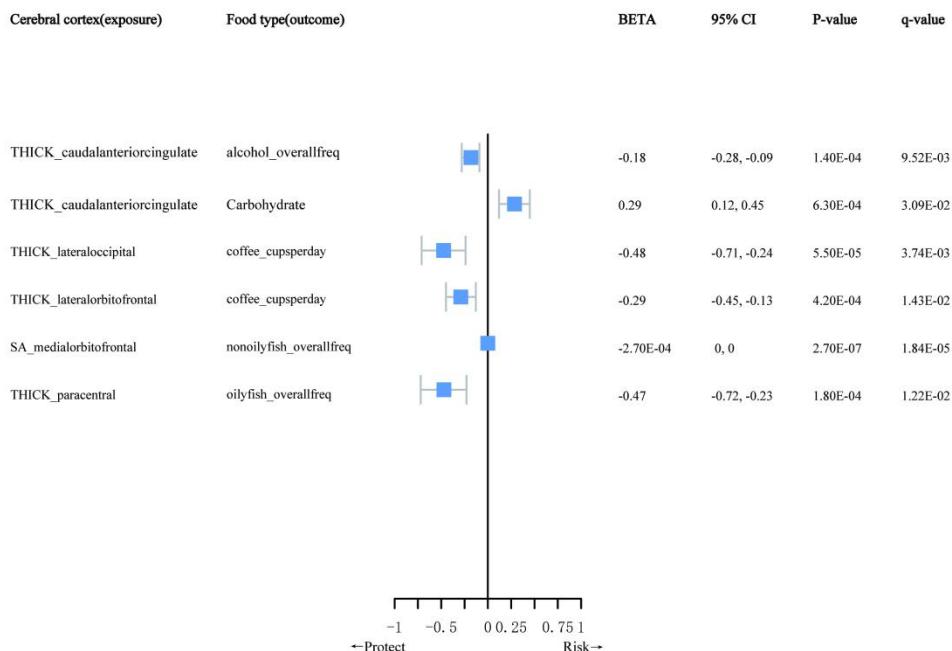
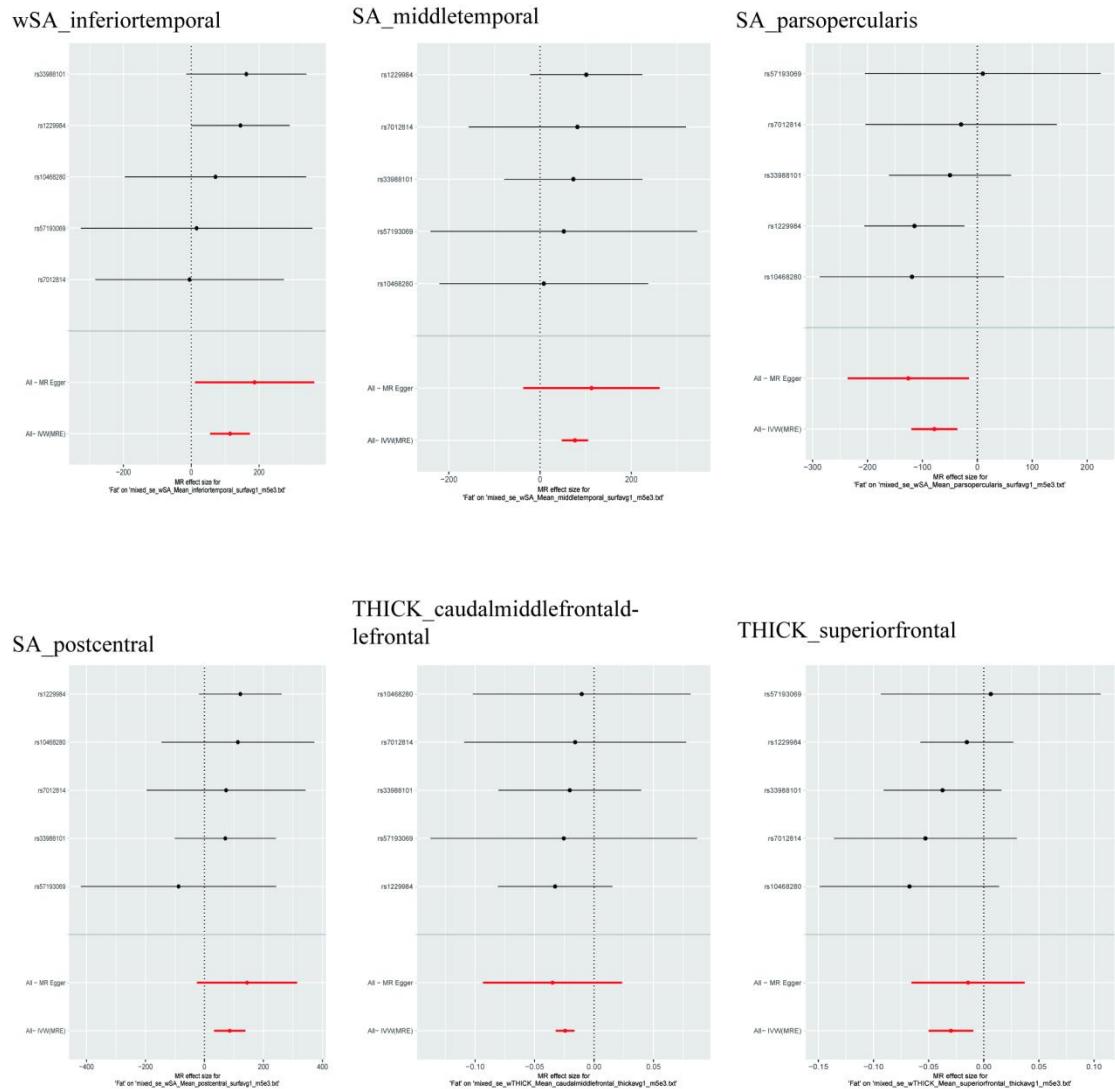
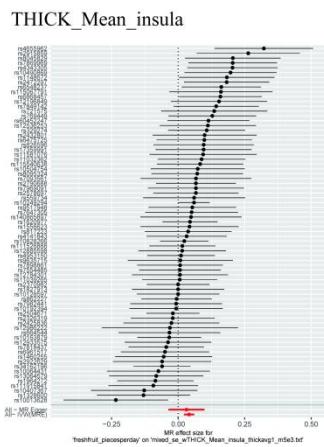


Figure3. forest plots of food type to cortical regions.

(A) Fat

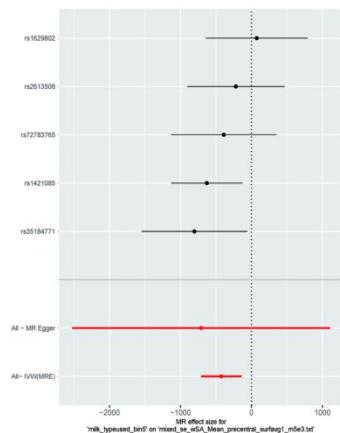


(B) freshfruit_piecesperday

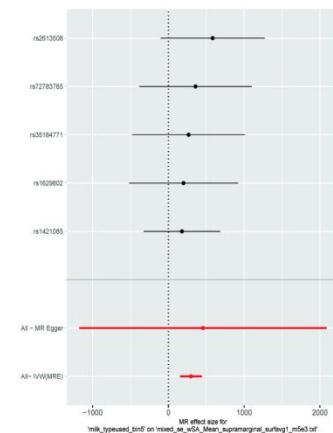


(C) milk_typeused_bin5

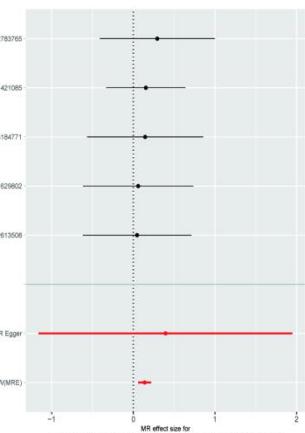
SA_precentral



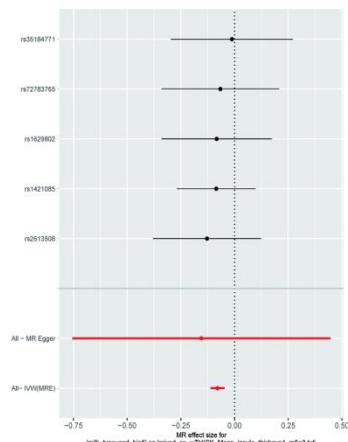
SA_supramarginal



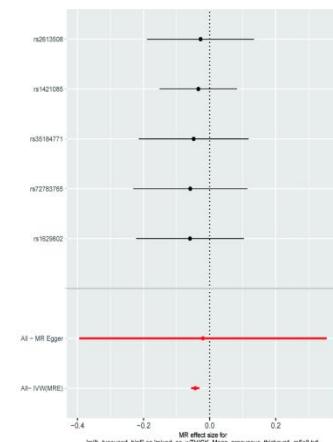
THICK_entorhinal



THICK_insula

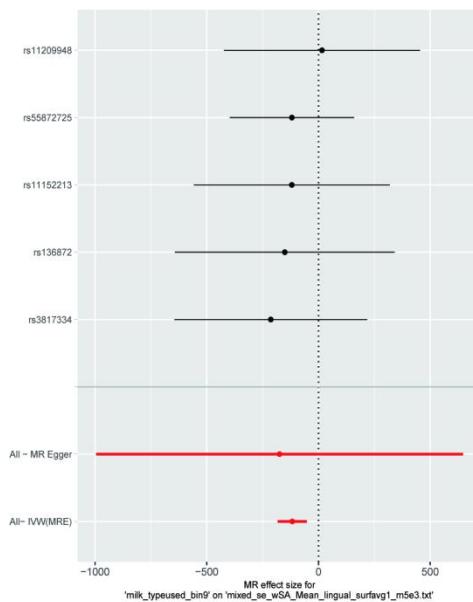


THICK_pre cuneus

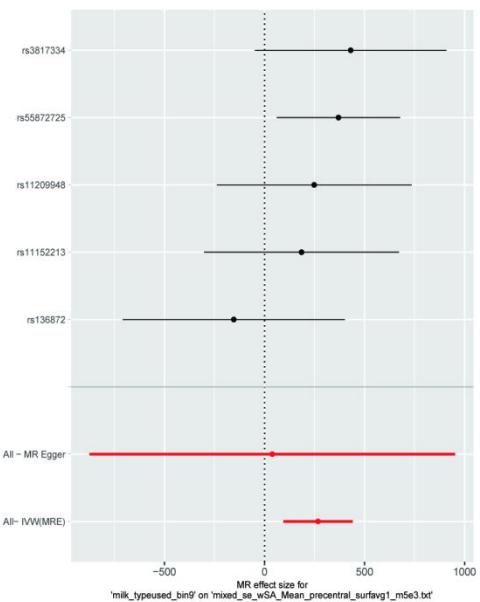


(D) milk_typeused_bin9

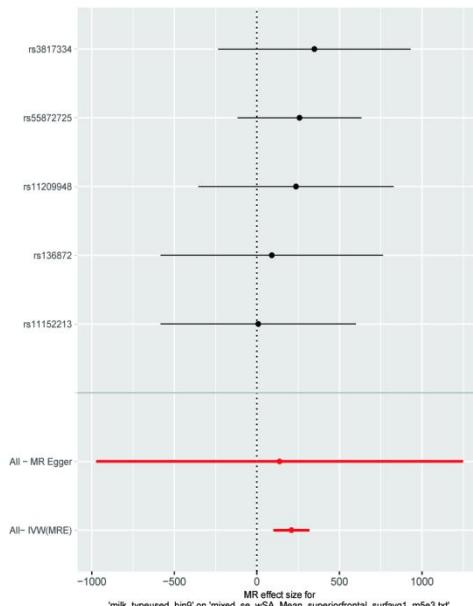
SA_lingual



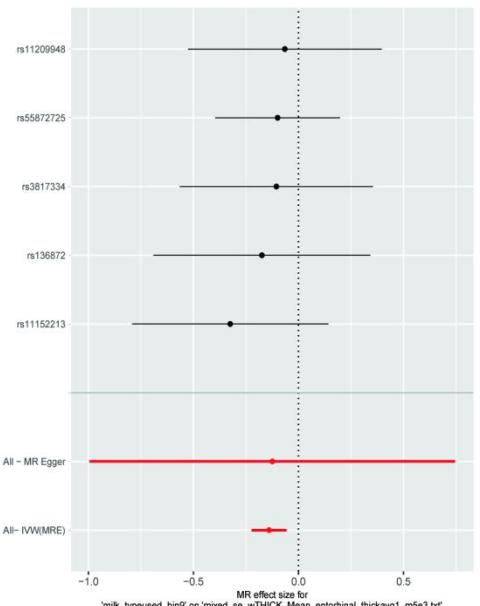
SA_precentral



SA_superiorfrontal

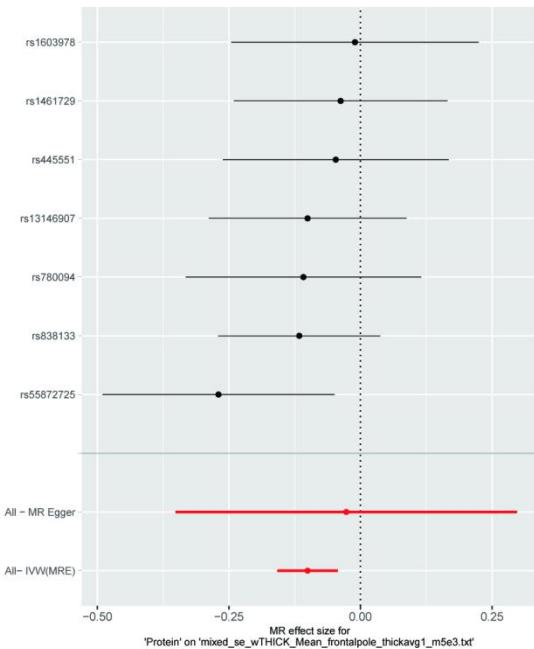


THICK_entorhinal



(E) Protein

THICK_frontalpole



(F) water_glassesperday

SA_lateraloccipital

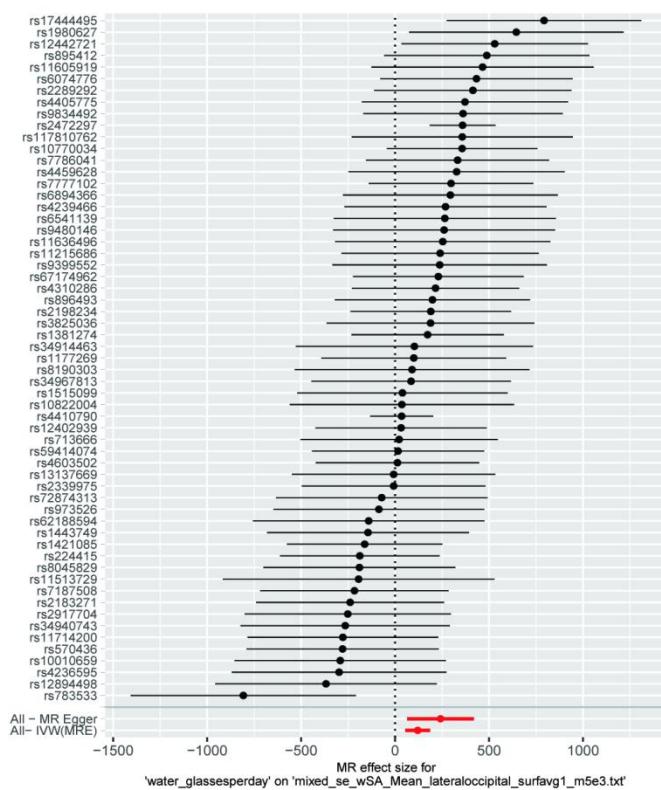
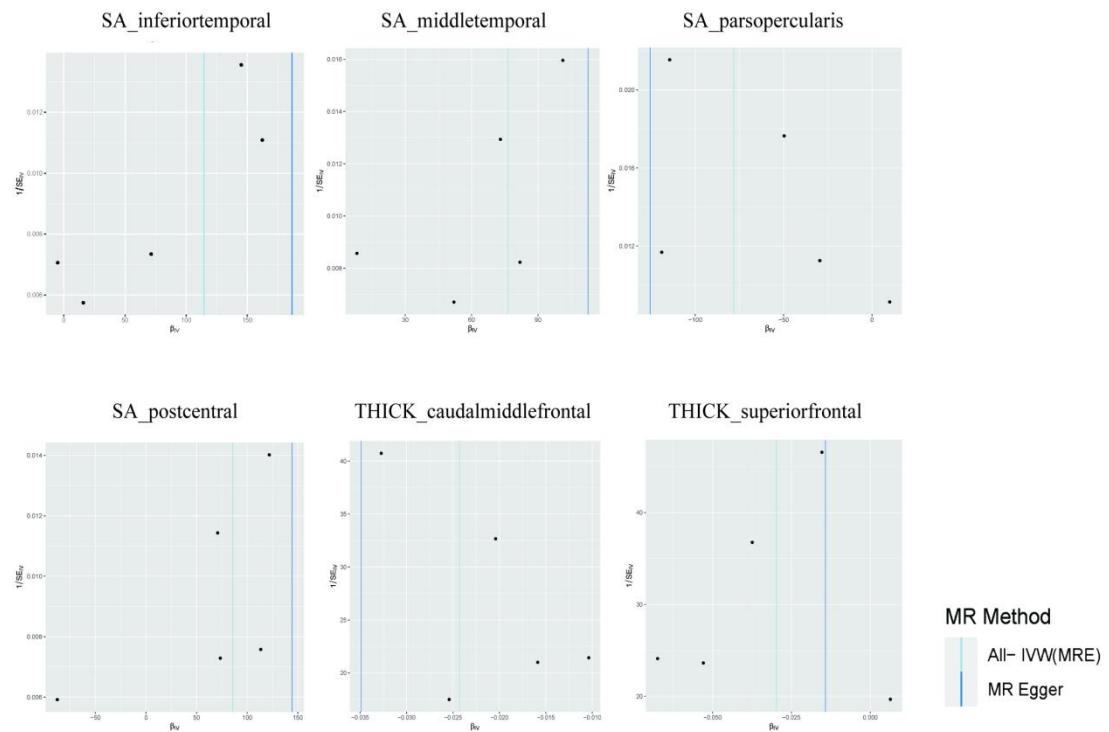


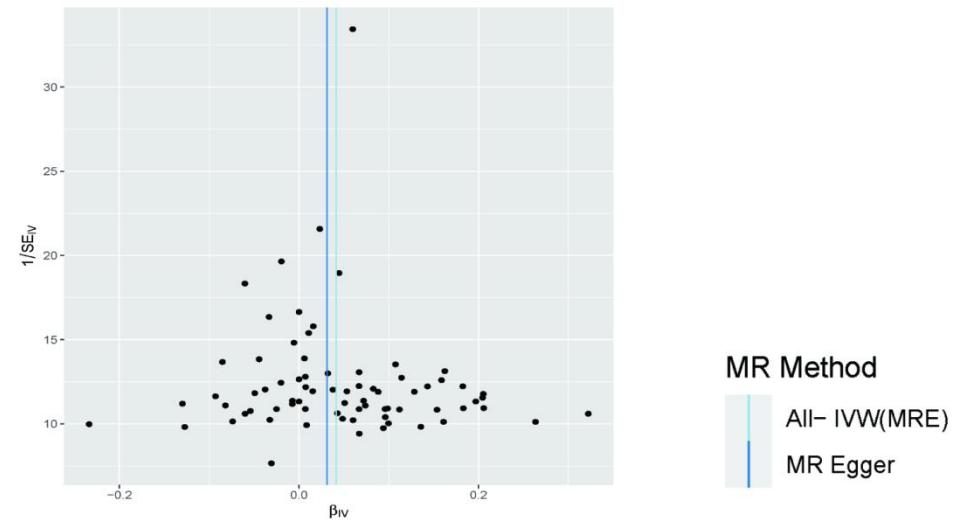
Figure4.funnel plots of food type to cortical regions.

(A) Fat

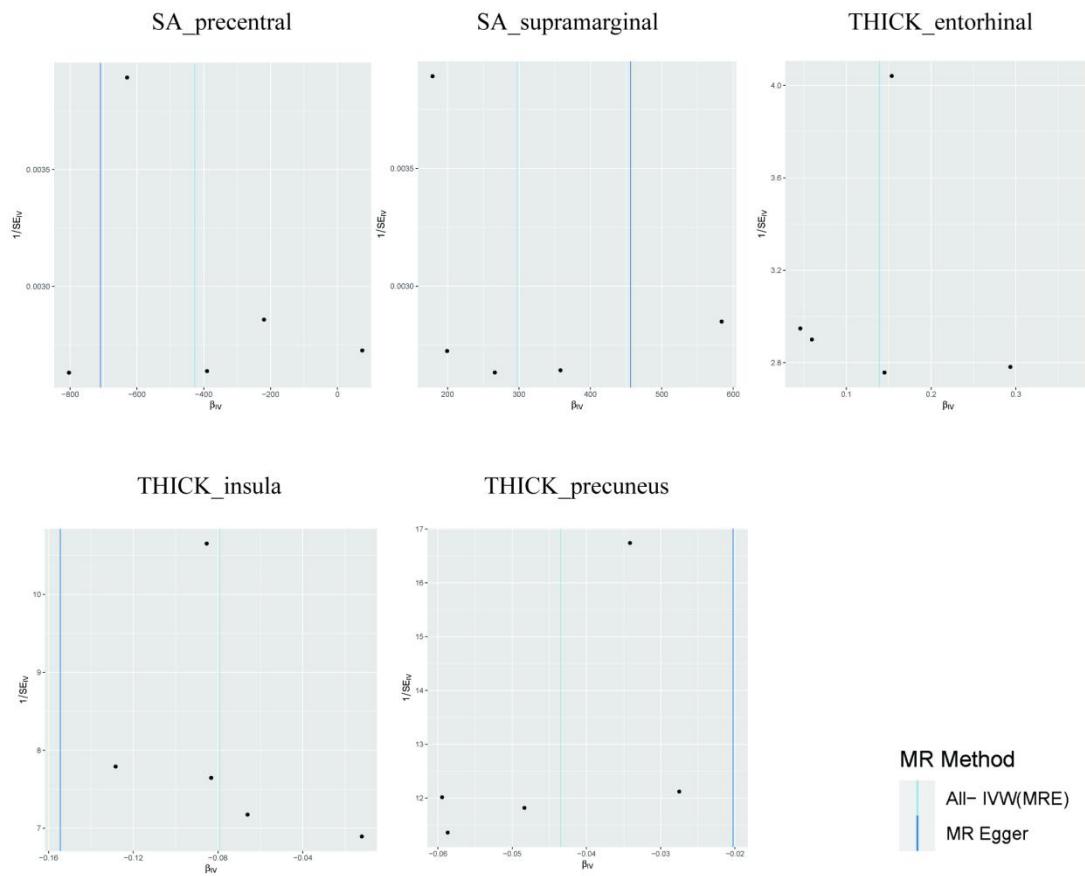


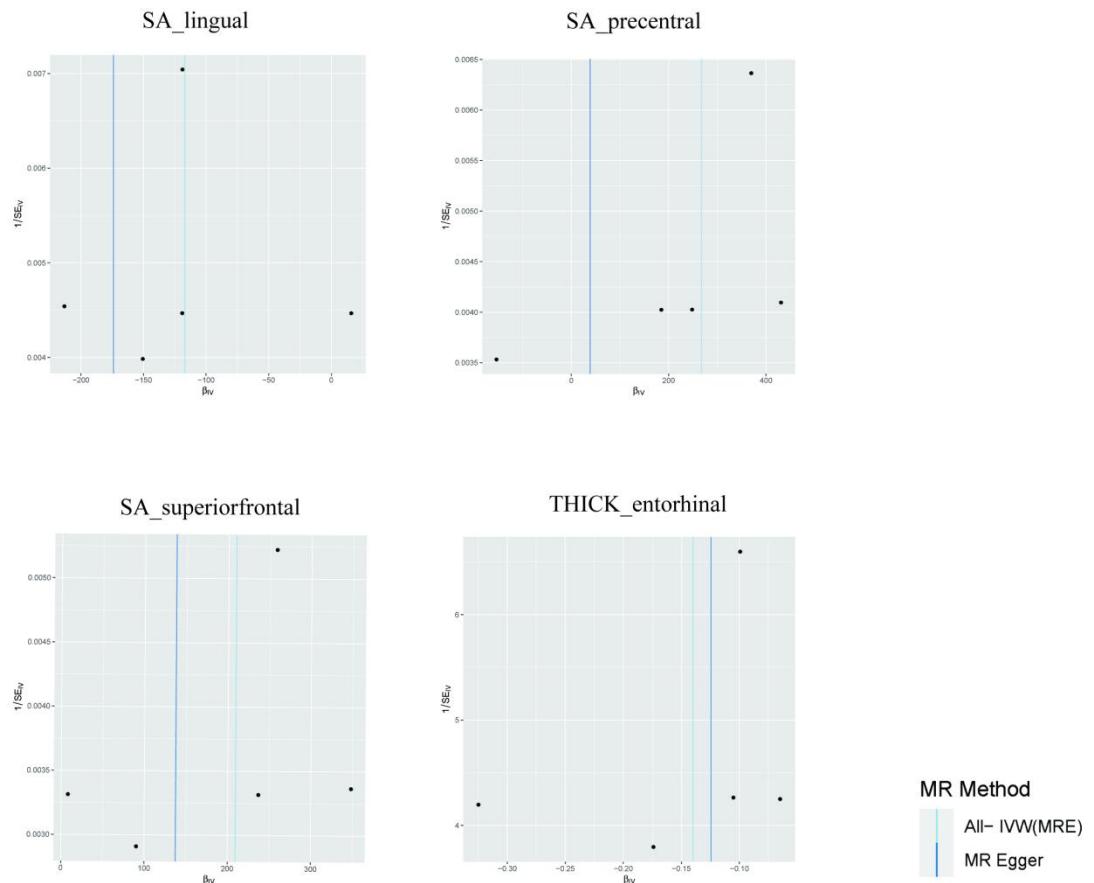
(B) freshfruit_piecesperday

THICK_insula



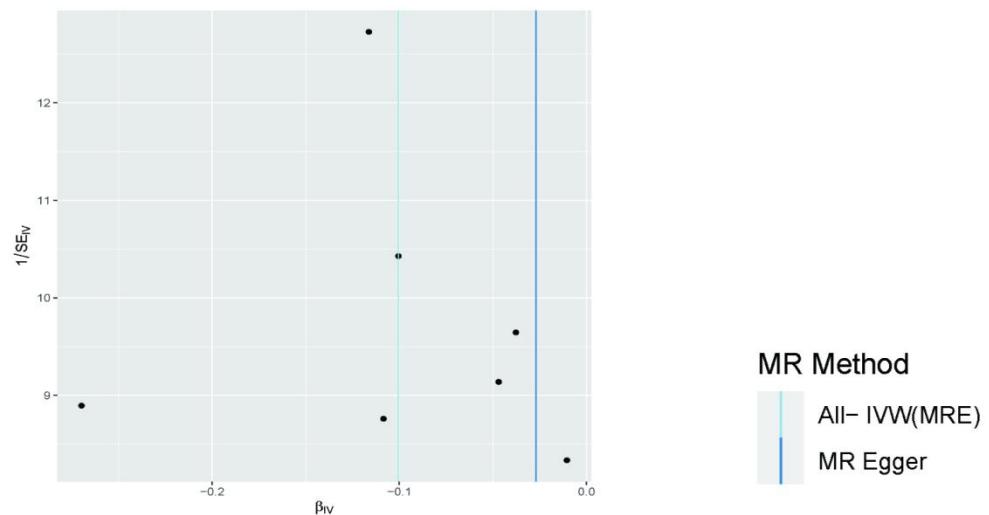
(C) milk_typeused_bin5





(E) Protein

THICK_frontalpole



(F) water_glassesperday

SA_lateraloccipital

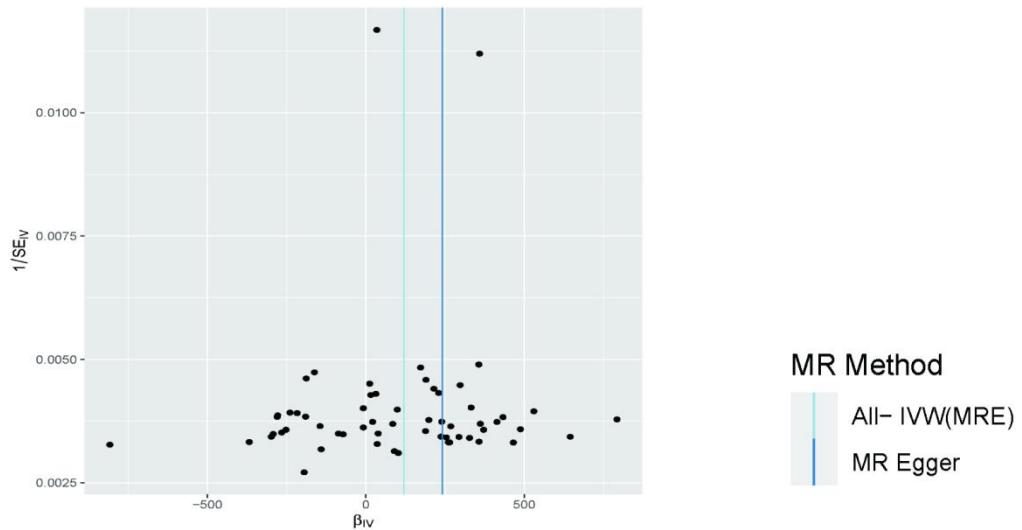
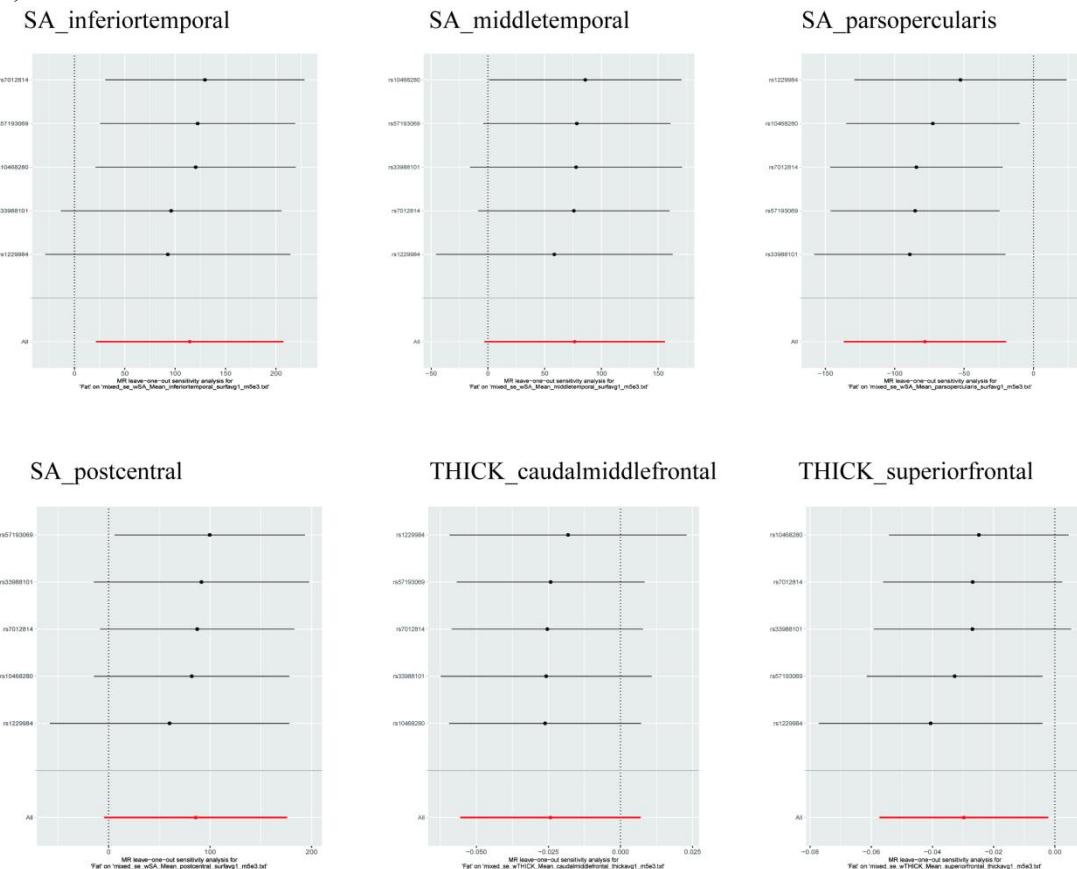
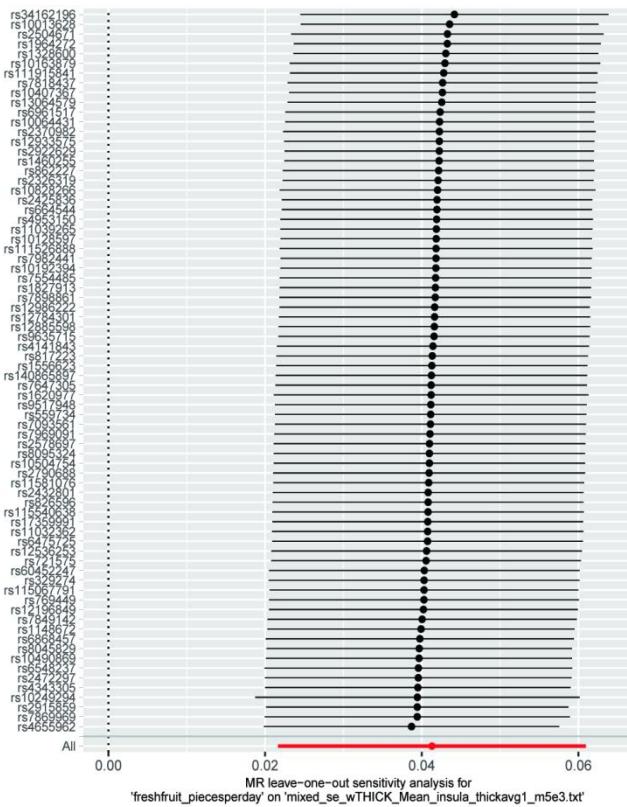


Figure 5.leave-one-out plots of food type to cortical regions.

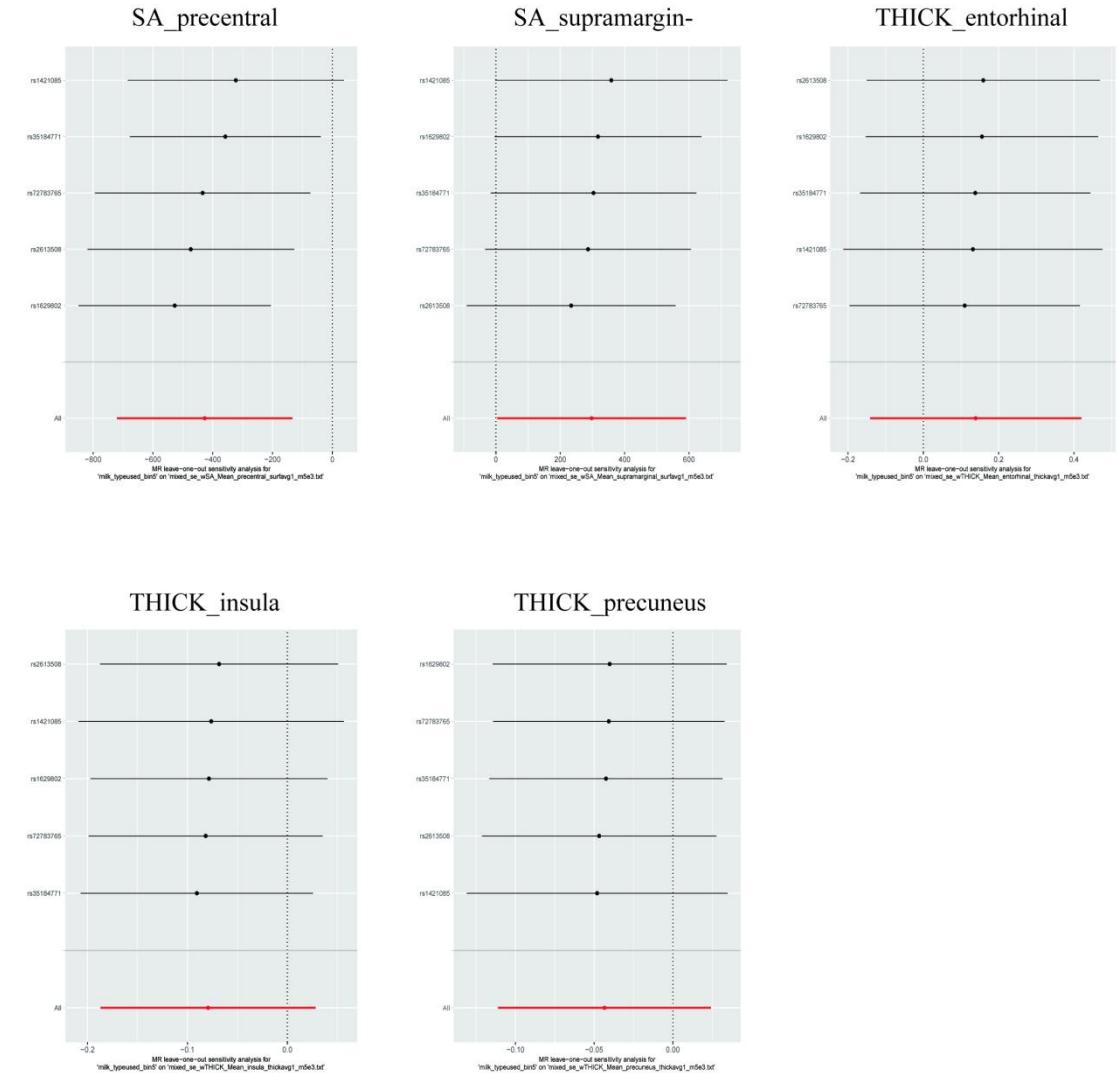
(A) Fat



(B) freshfruit_piecesperday
THICK_insula

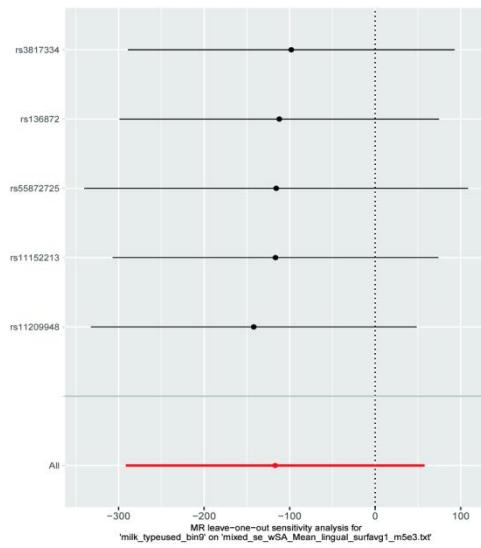


(C) milk_typeused_bin5

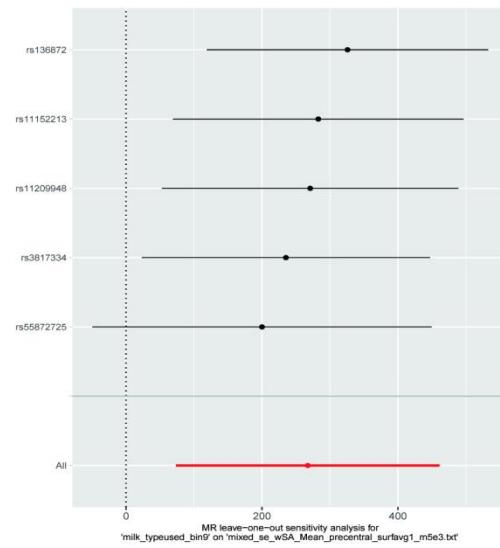


(D) milk_typeused_bin9

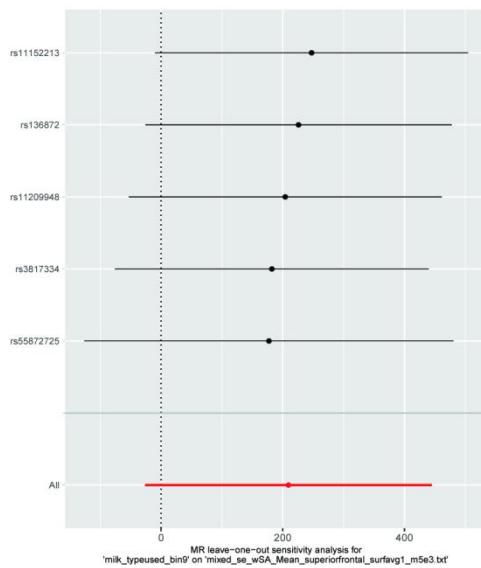
SA_lingual



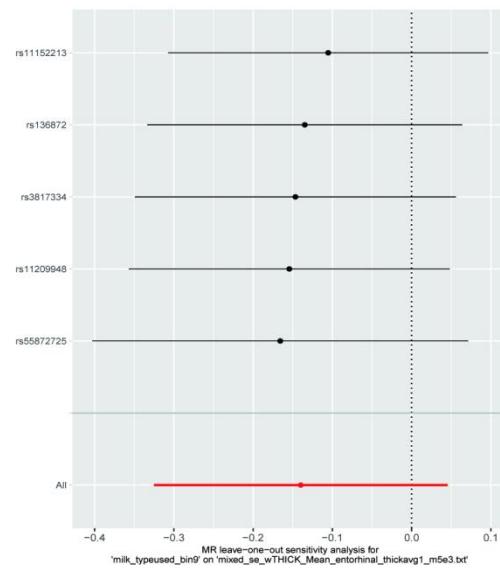
SA_precentral



SA_superiorfrontal

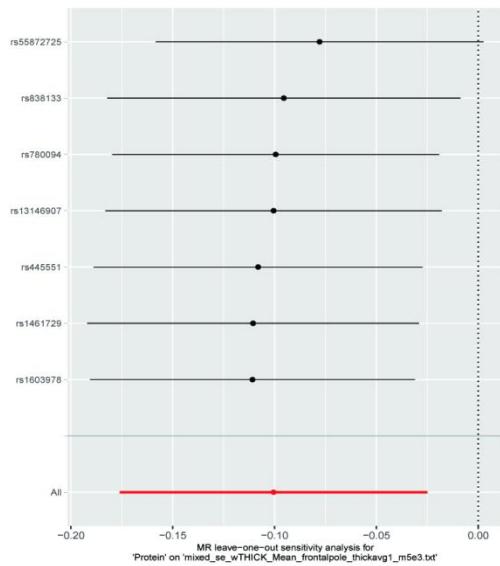


THICK_entorhinal



(E) Protein

THICK_frontalpole



(F) water_glassesperday

SA_lateraloccipital

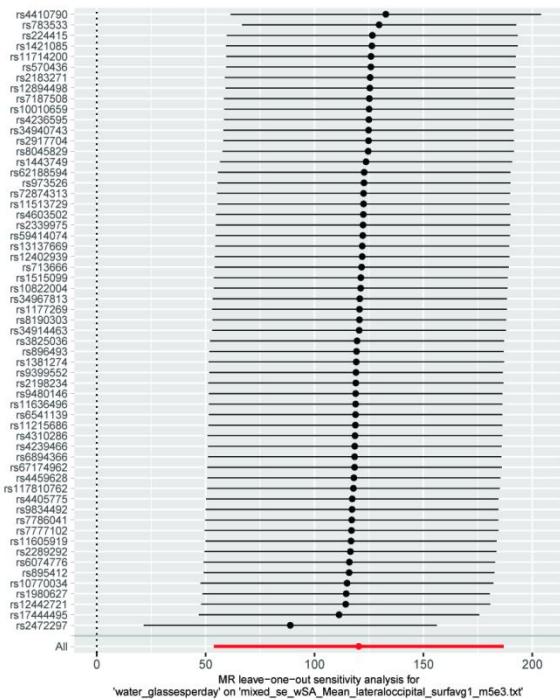
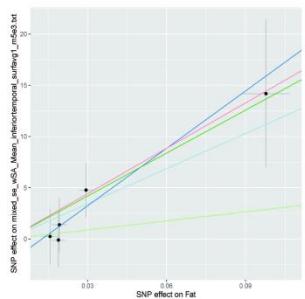


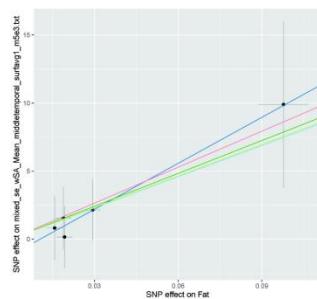
Figure6.scatter plots of food type to cortical regions.

(A) Fat

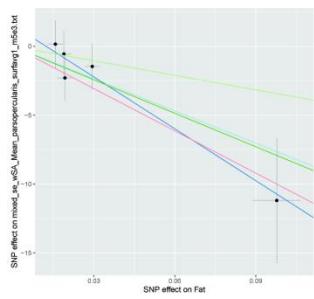
SA_inferiortemporal



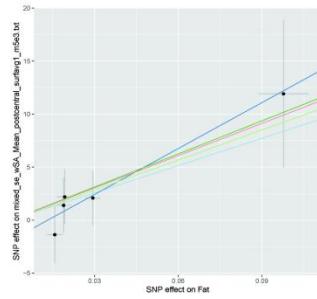
SA_middletemporal



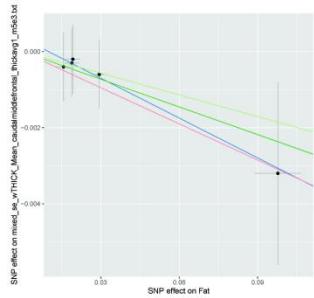
SA_parsopercularis



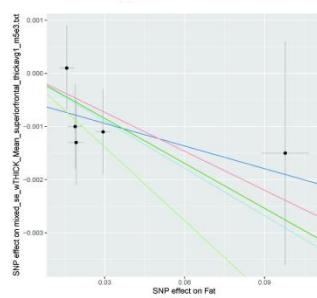
SA_postcentral



THICK_caudalmiddlefrontal



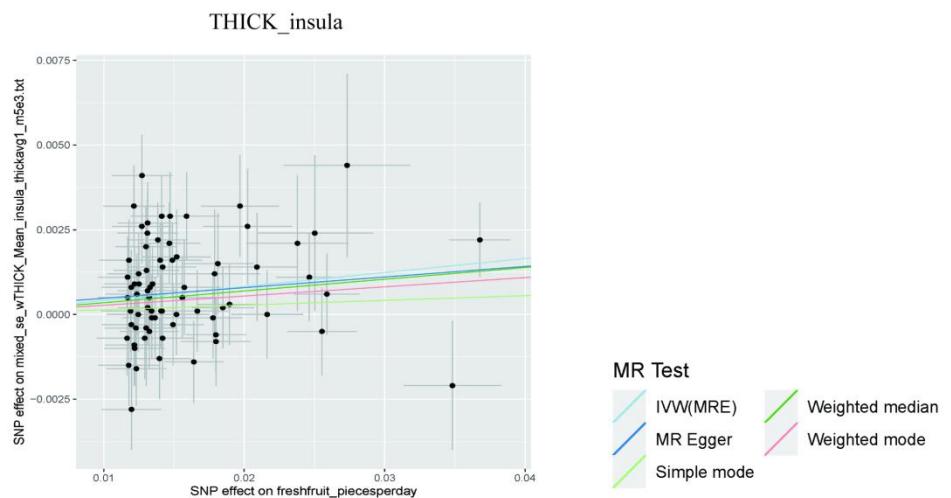
THICK_superiorfrontal



MR Test

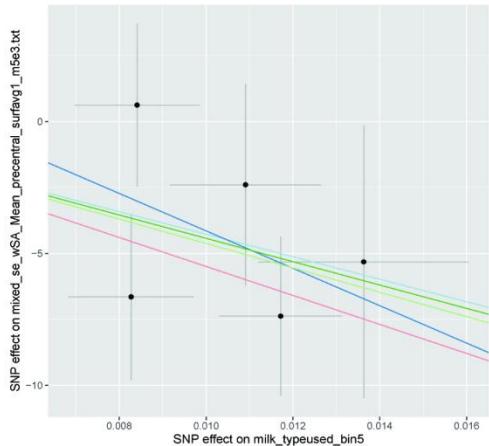
- IVW(MRE)
- MR Egger
- Weighted median
- Weighted mode
- Simple mode

(B) freshfruit_piecesperday

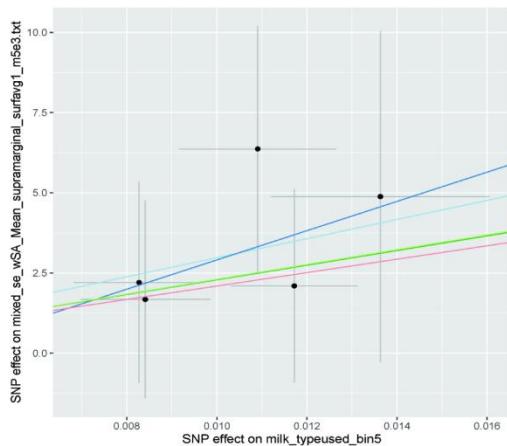


(C) milk_typeused_bin5

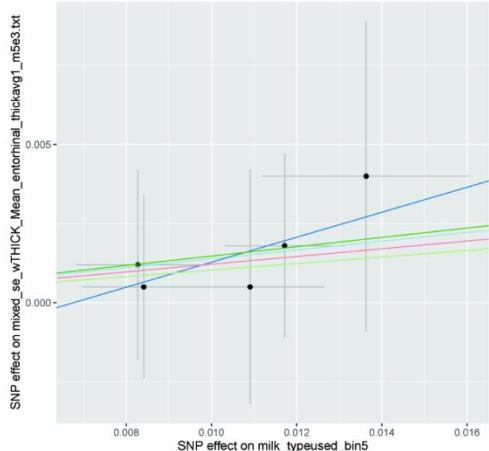
SA_precentral



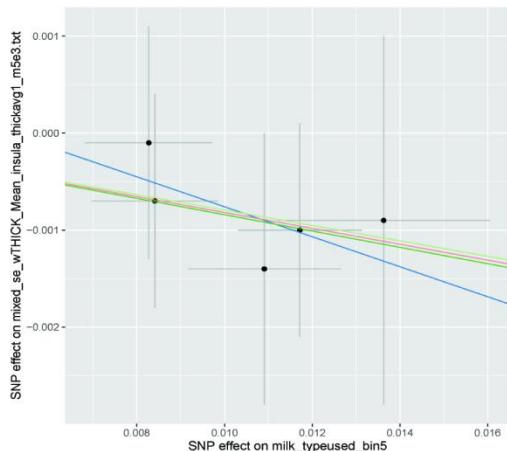
SA_supramarginal



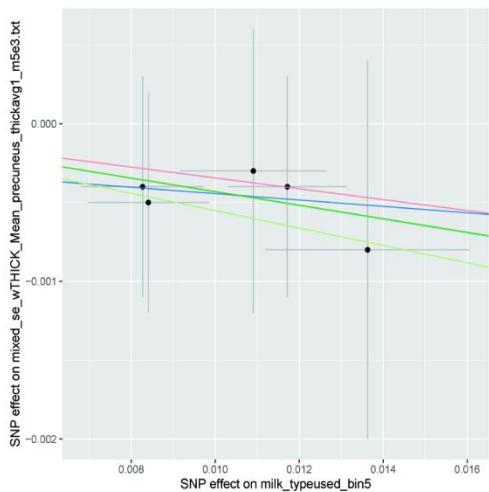
THICK_entorhinal



THICK_insula

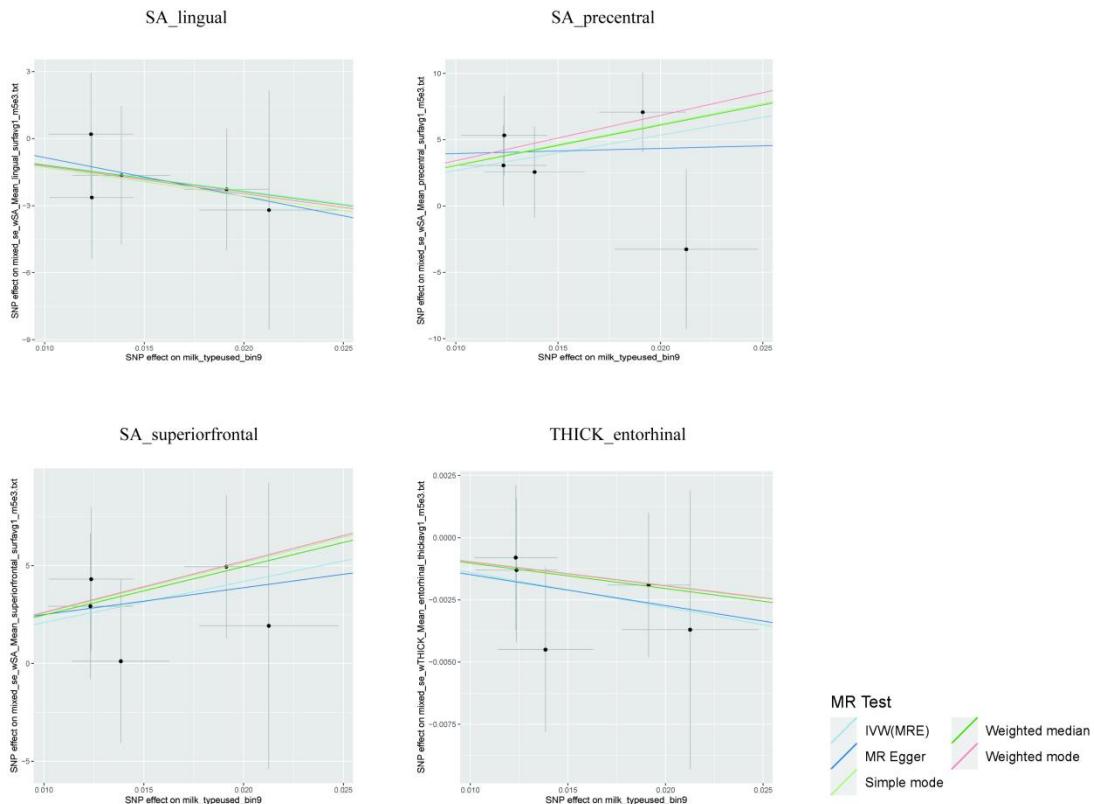


THICK_precuneus

**MR Test**

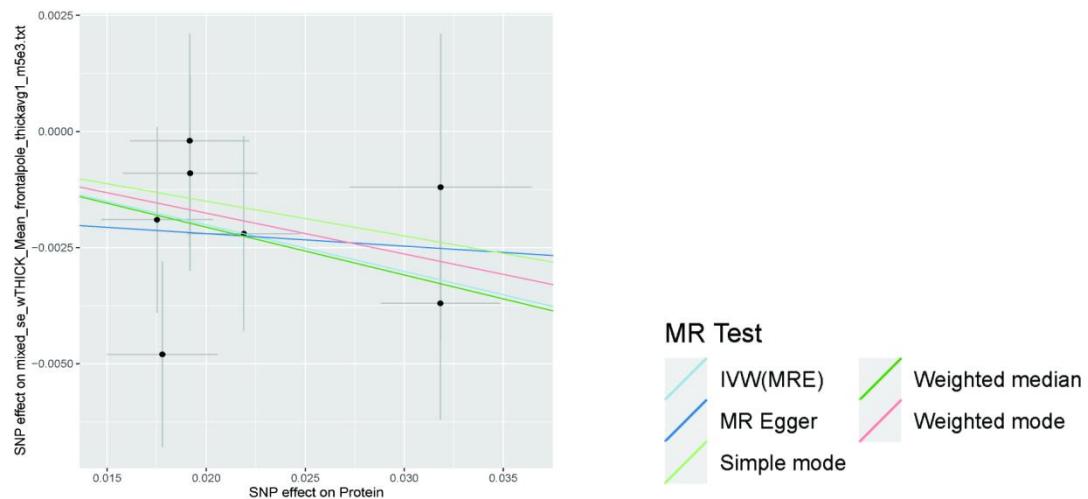
- IVW(MRE)
- MR Egger
- Weighted median
- Weighted mode
- Simple mode

(D) milk_typeused_bin9



(E) Protein

THICK_frontalpole



(F) water_glassesperday

SA_lateraloccipital

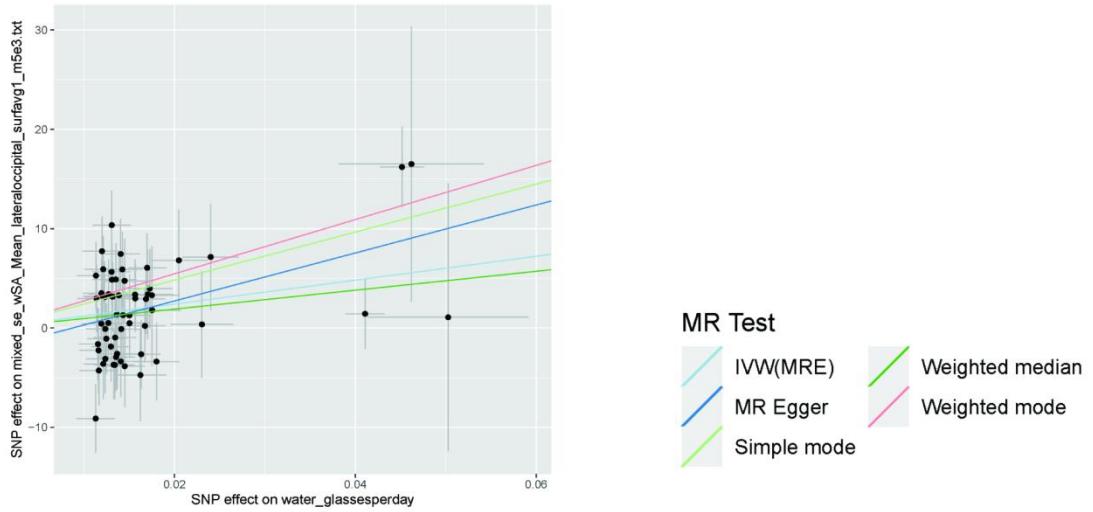
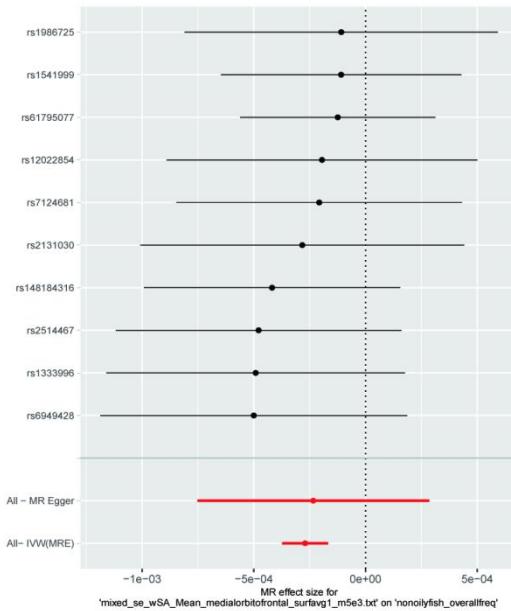


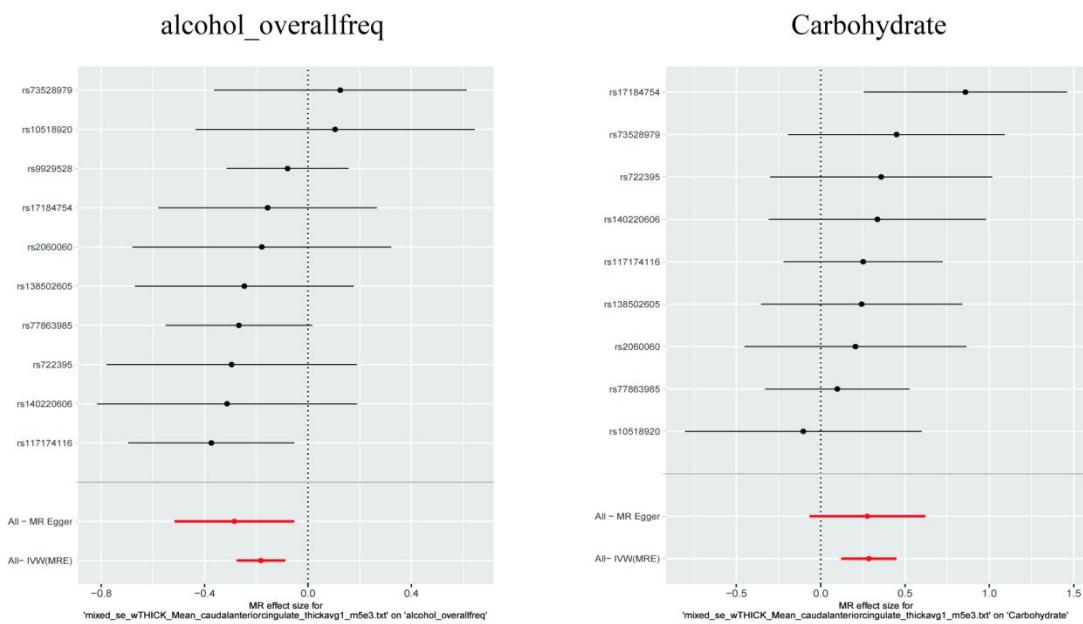
Figure7.reverse forest plots of cortical regions to food type.

(A) SA_medialorbitofrontal

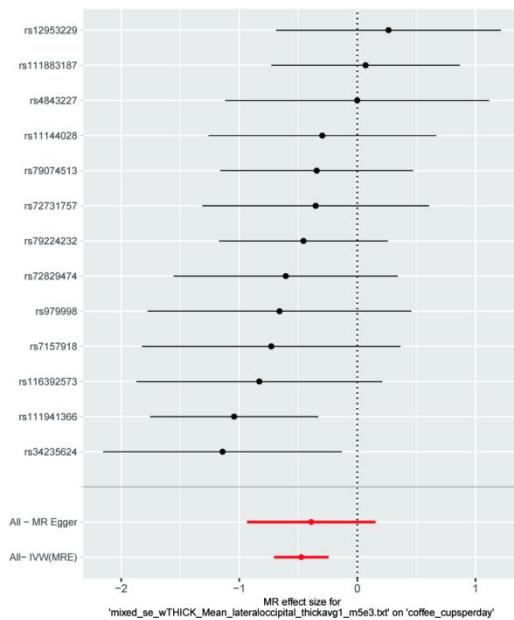
nonoilyfish_overallfreq



(B) THICK_caudalanteriorcingulate

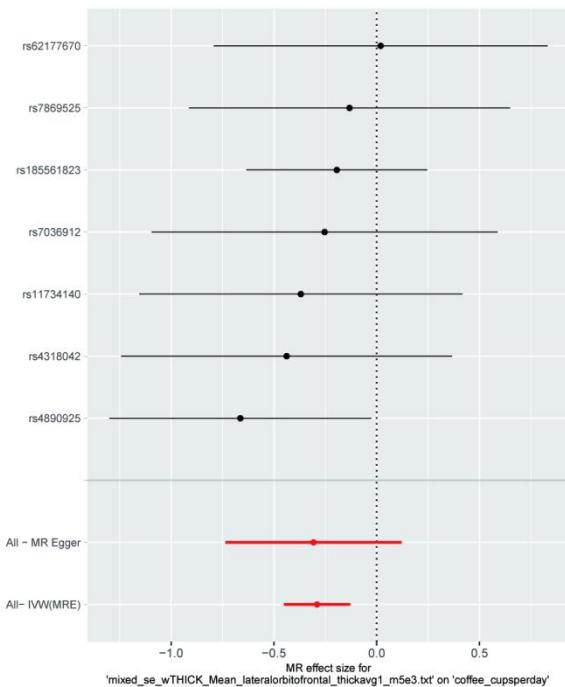


(C) THICK_lateraloccipital
coffee_cupsperday



(D) THICK_lateralorbitofrontal

coffee_cupsperday



(E) THICK_paracentral

oilyfish_overallfreq

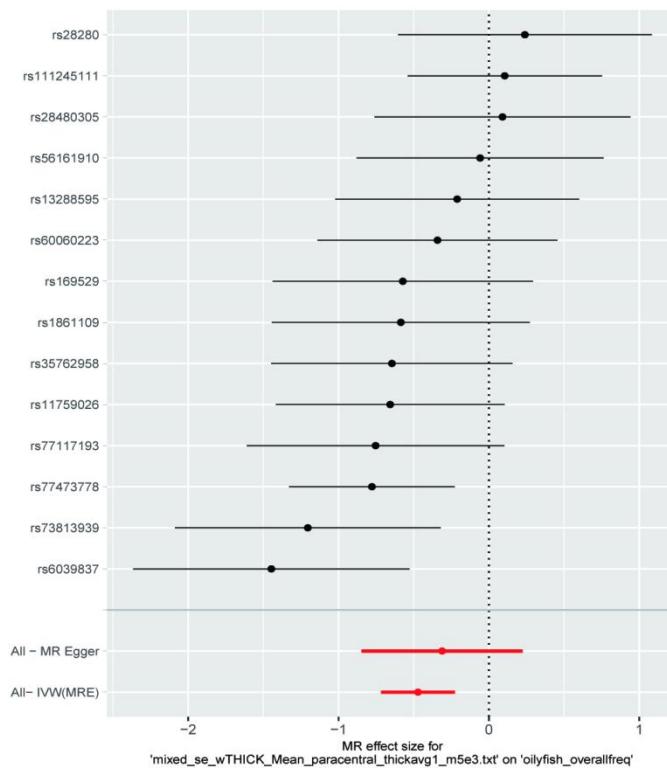
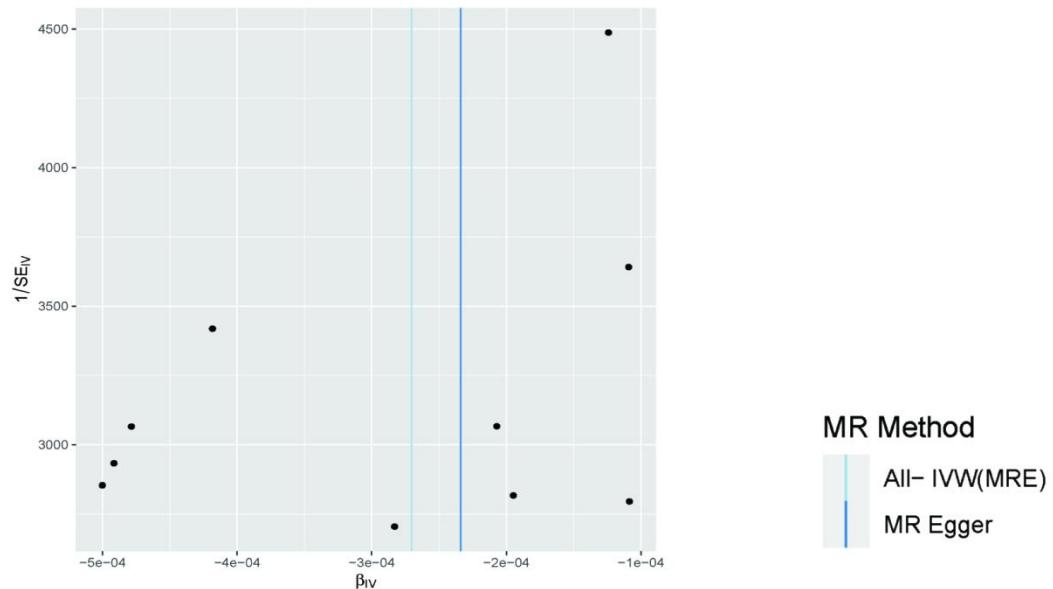


Figure8.funnel plots of cortical regions to food type.

(A) SA_medialorbitofrontal

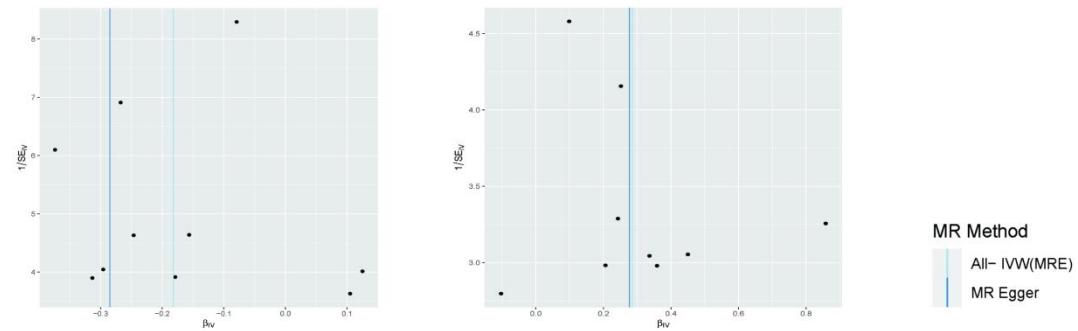
nonoilyfish_overallfreq



(B) THICK_caudalanteriorcingulate

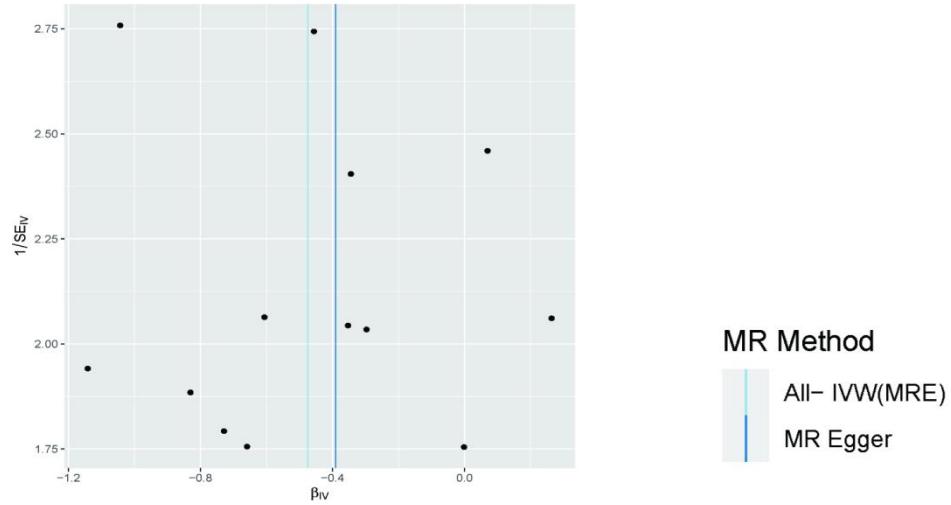
alcohol_overallfreq

Carbohydrate

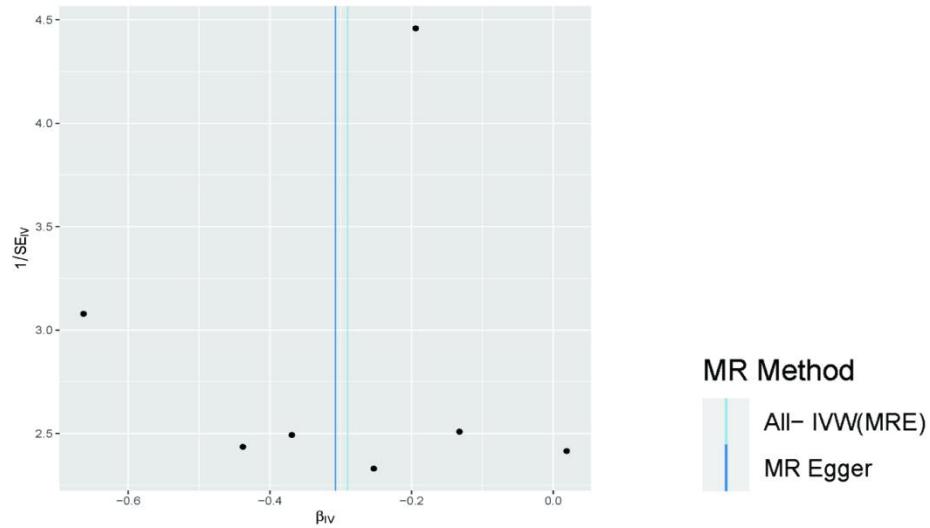


(C) THICK_lateraloccipital

coffee_cupsperday



(D) THICK_lateralorbitofrontal
coffee_cupsperday



(E) THICK_paracentral

oilyfish_overallfreq

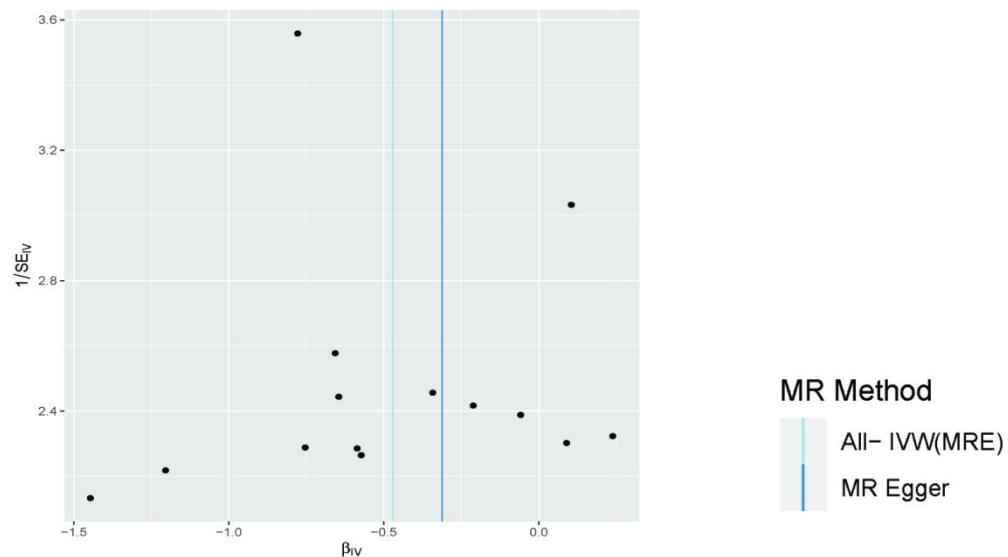
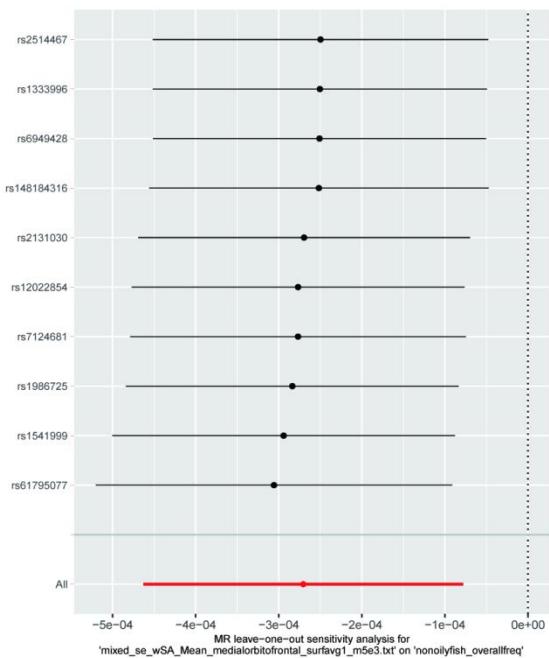


Figure9.leave-one-out plots of cortical regions to food type.

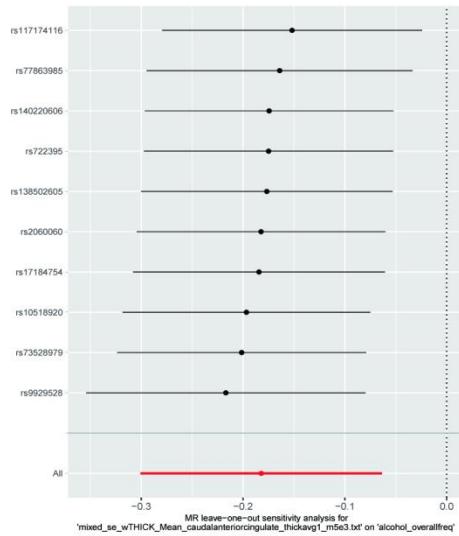
(A) SA_medialorbitofrontal

nonoilyfish_overallfreq

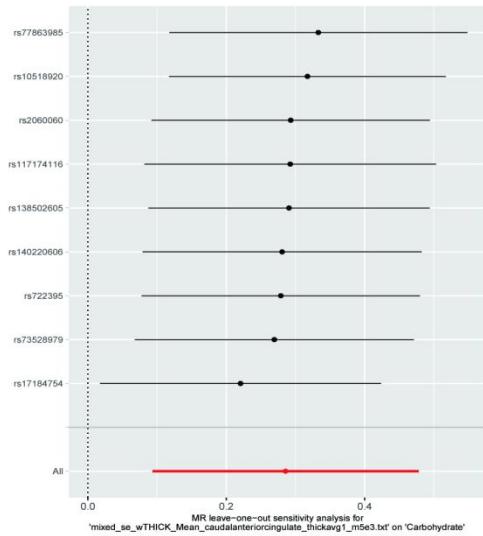


(B) THICK_caudalanteriorcingulate

alcohol_overallfreq

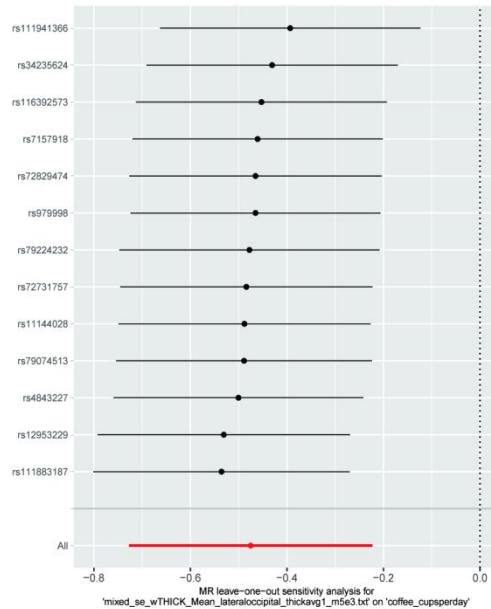


Carbohydrate



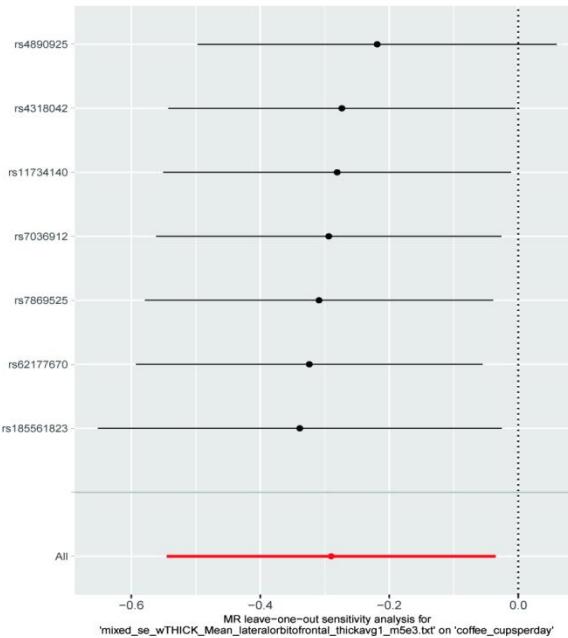
(C) THICK_lateraloccipital

coffee_cupsperday



(D) THICK_lateralorbitofrontal

coffee_cupsperday



(E) THICK_paracentral

oilyfish_overallfreq

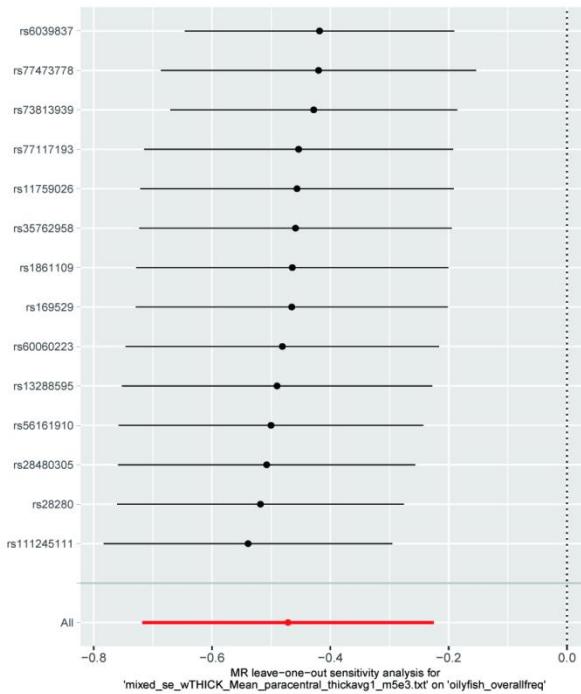
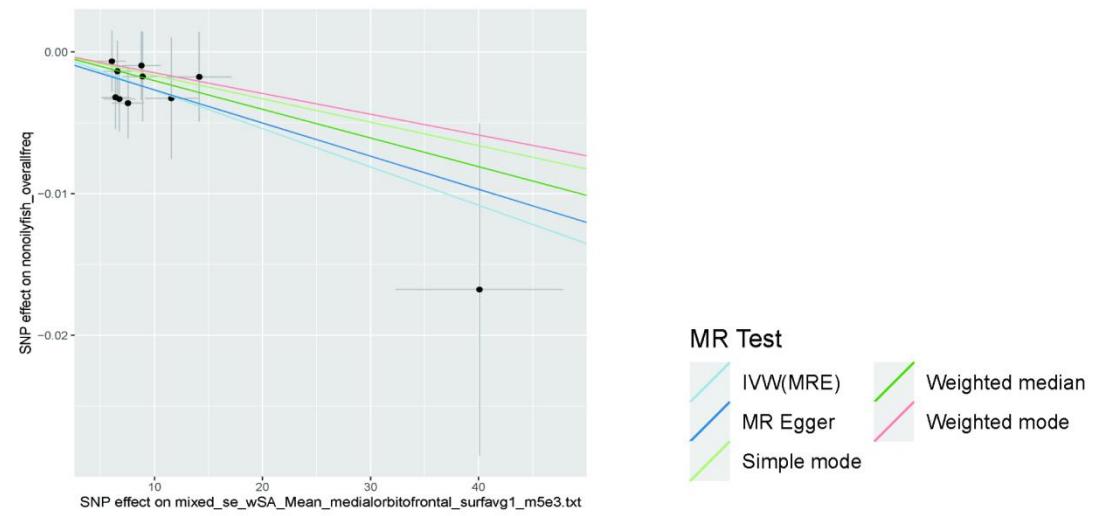


Figure10.scatter plots of cortical regions to food type.

(A) SA_medialorbitofrontal

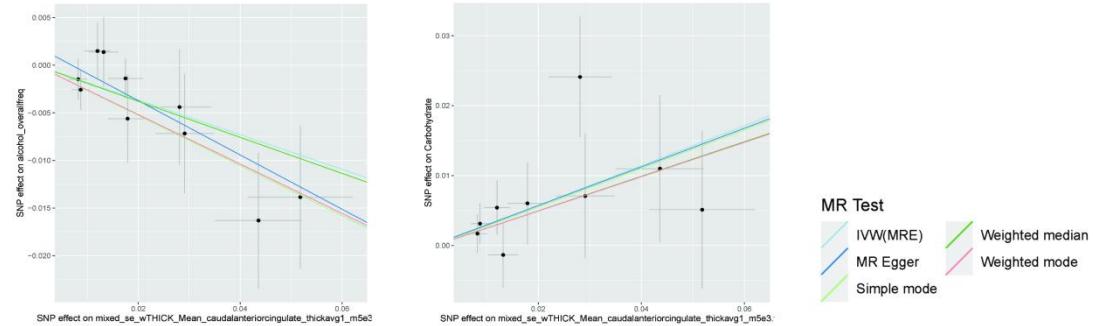
nonoilyfish_overallfreq



(B) THICK_caudalanteriorcingulate

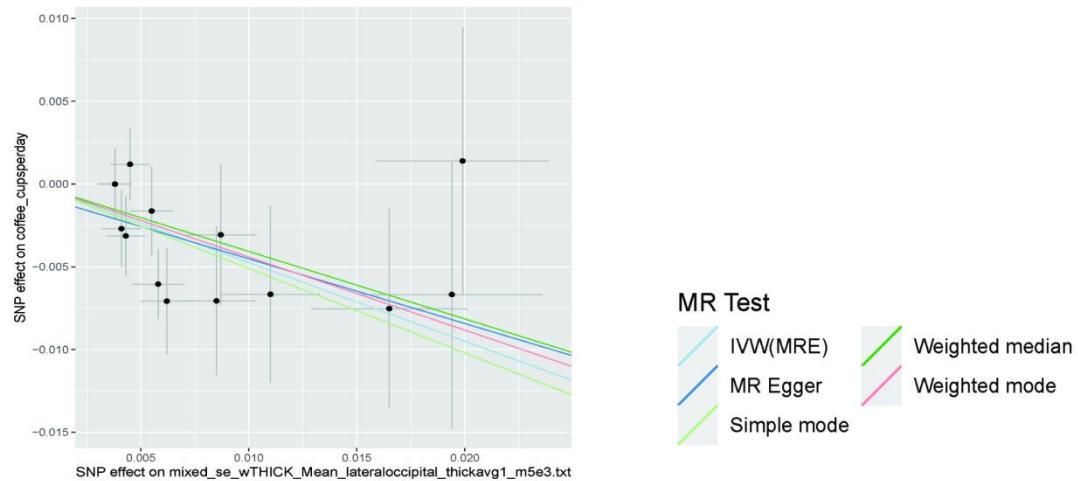
alcohol_overallfreq

Carbohydrate

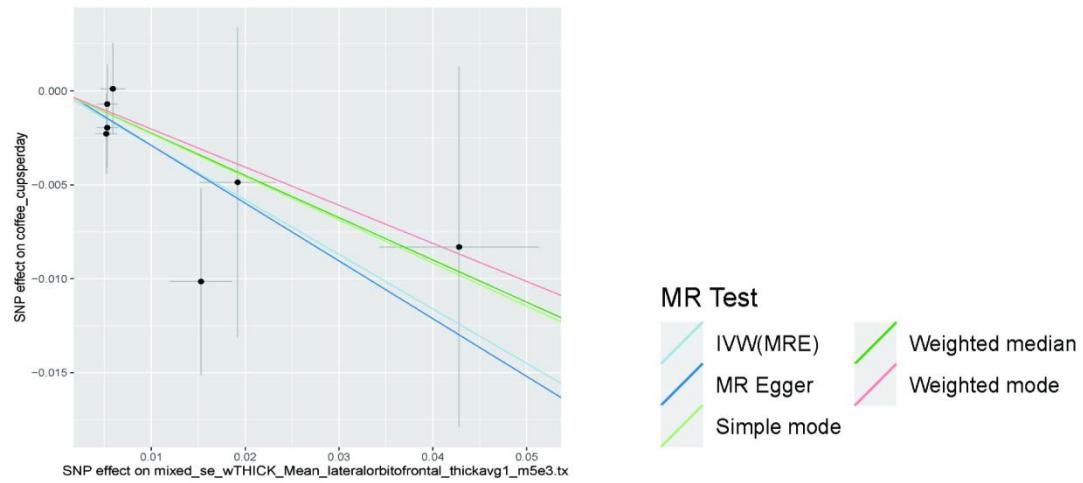


(C) THICK_lateraloccipital

coffee_cupsperday



(D) THICK_lateralorbitofrontal
coffee_cupsperday



(E) THICK_paracentral

`oilyfish_overallfreq`

