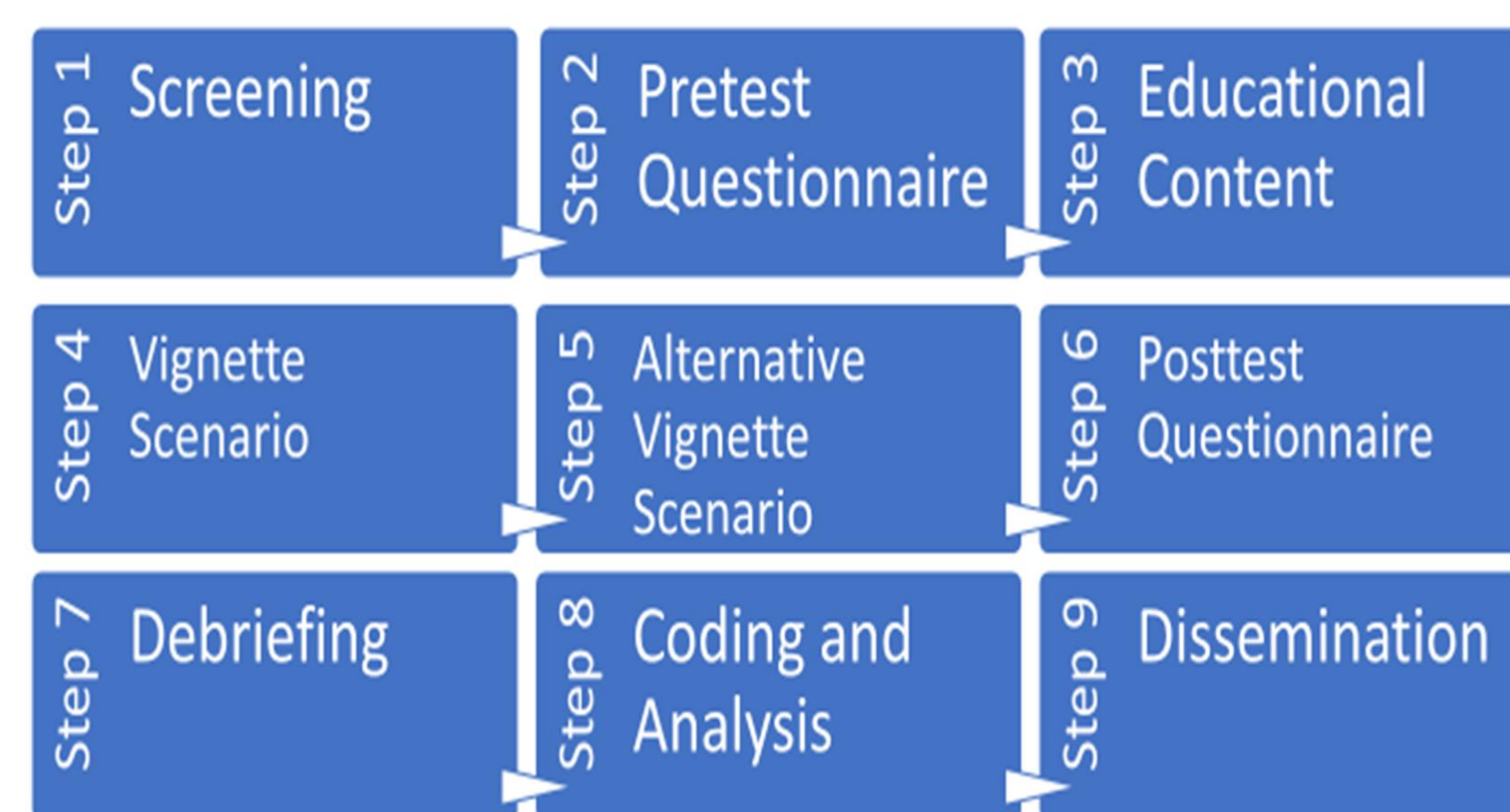
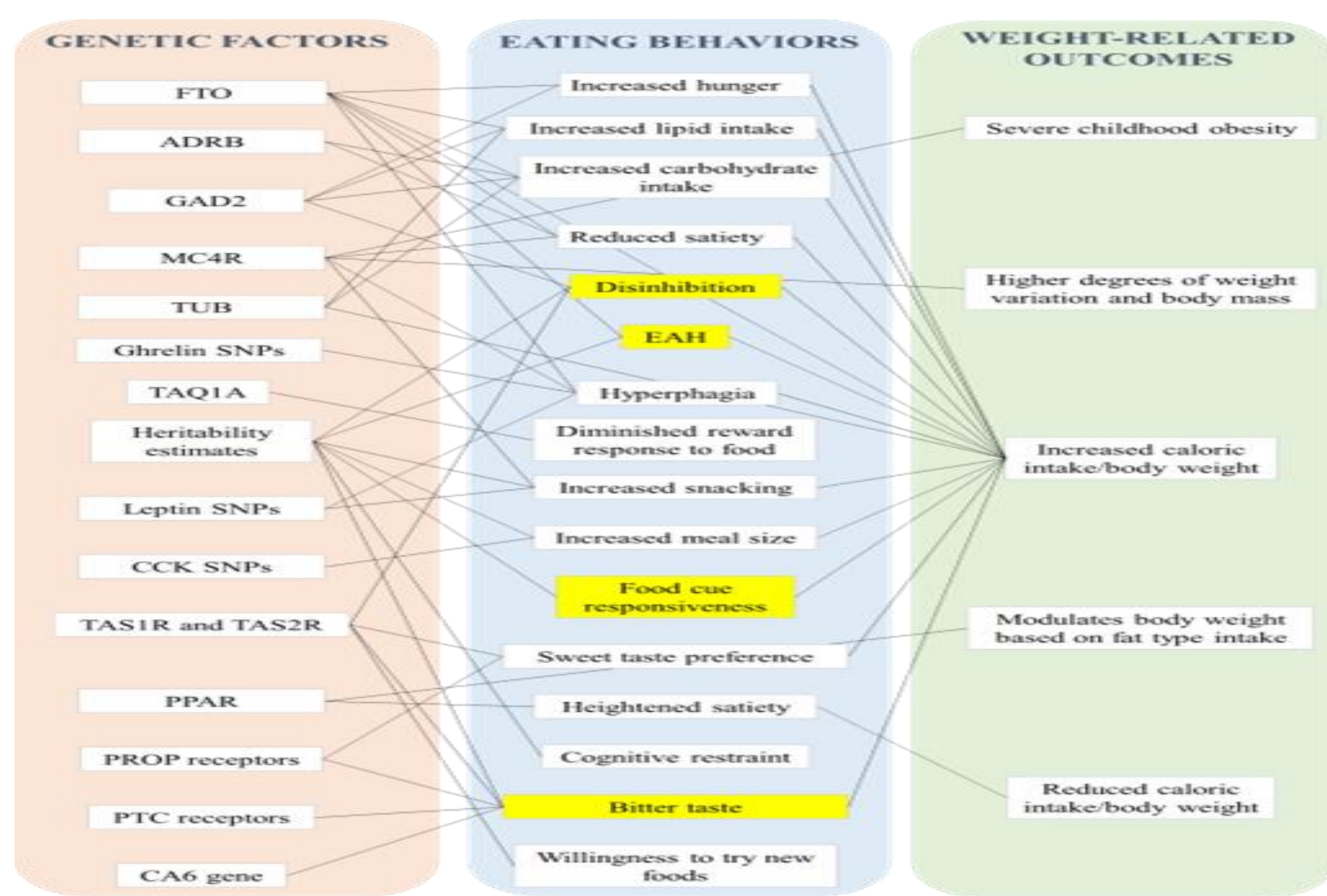
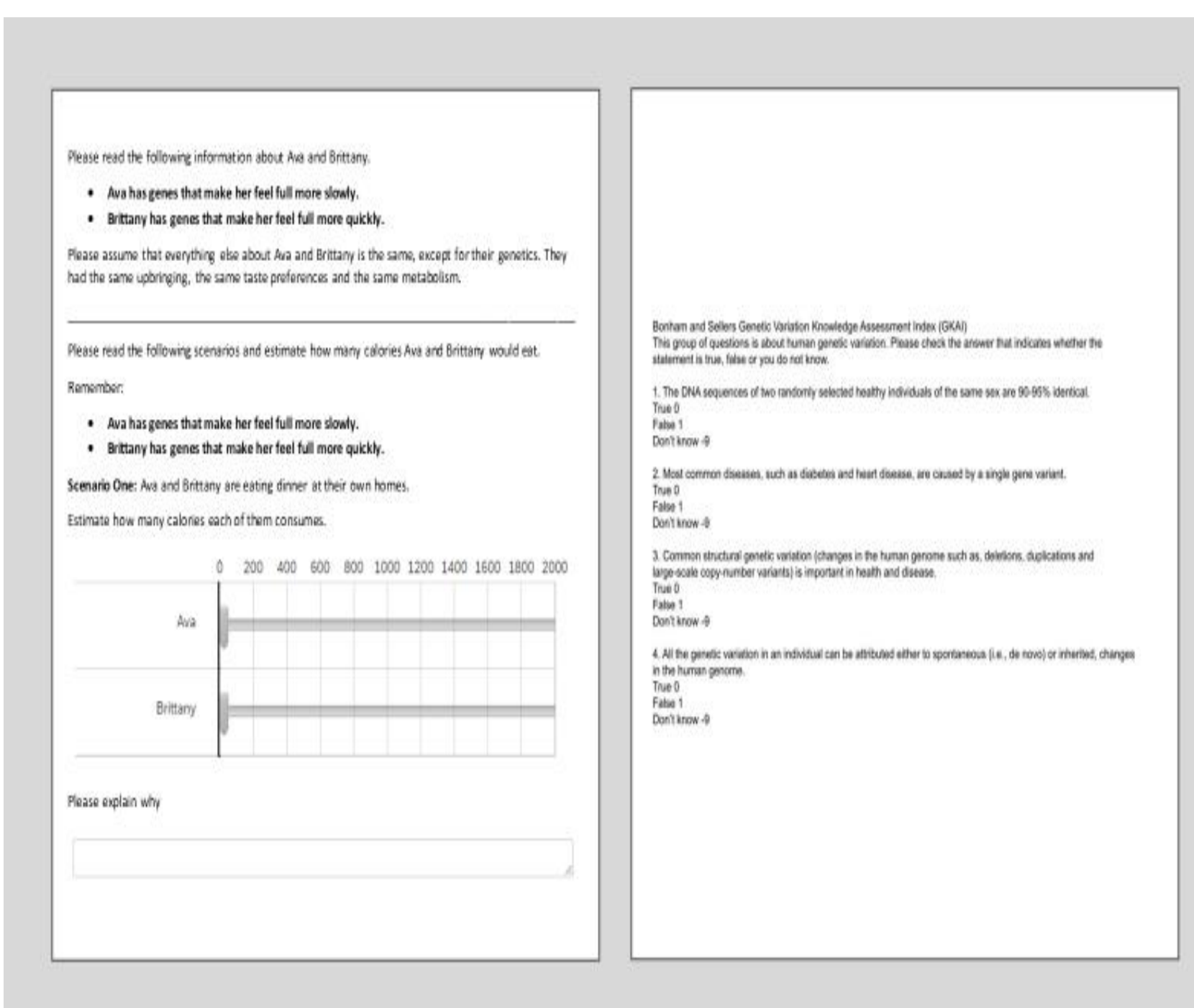


Background

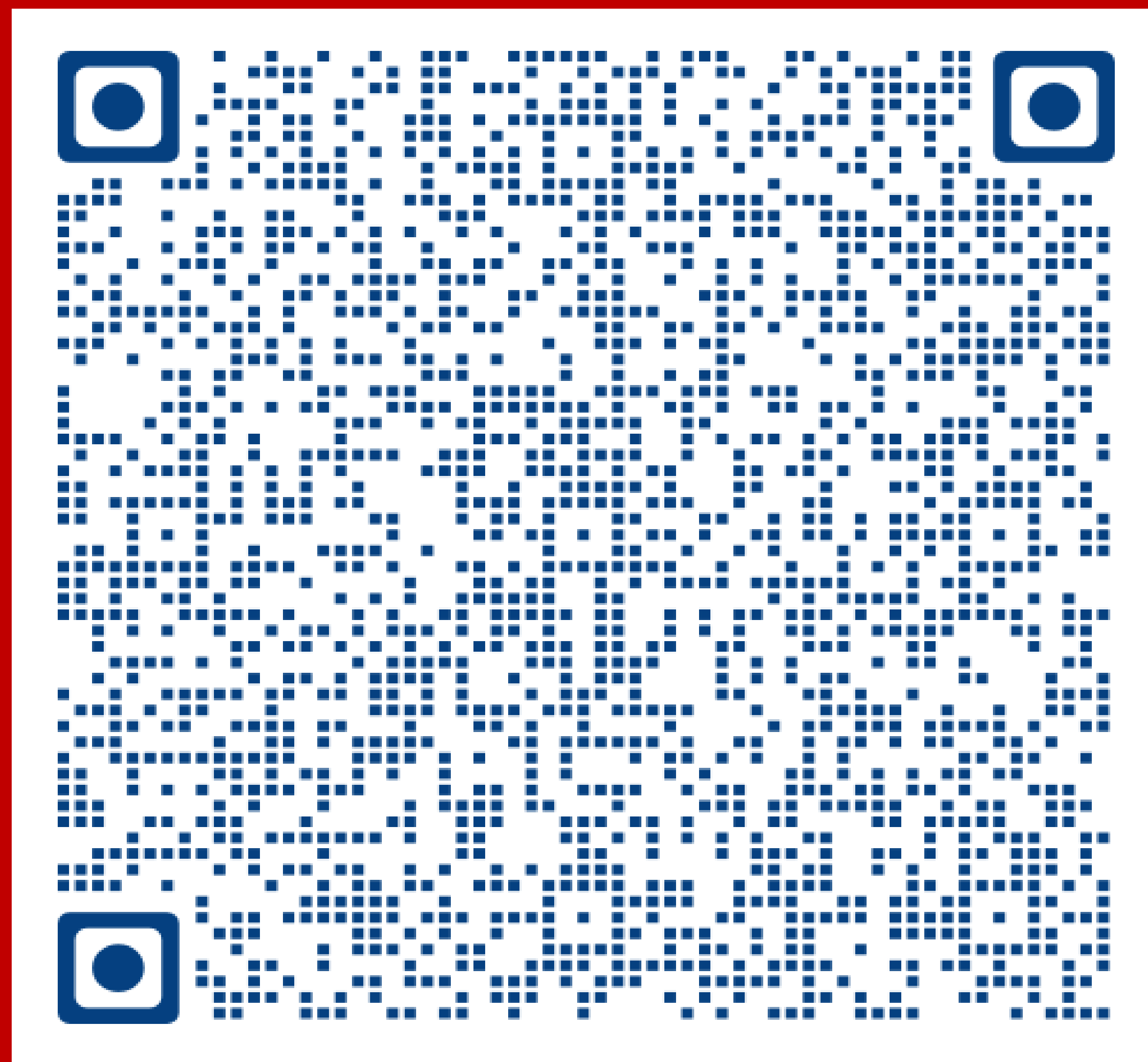
- The downstream impact of an individual's genome on their behaviors and health is widely misunderstood.
- New Technologies are under development that improve educational achievement regarding genomic knowledge.
- We investigated communicating Gene-Environment interactions by leveraging novel technologies to improve novel genomic concept utilization.

Methods

The screenshot shows a questionnaire form with instructions and questions. It asks participants to estimate how many calories they and a friend (Ava) consumed from a menu. The form includes a table for recording calorie counts and a section for explaining why.

Educational video vignettes increase accuracy on basic genomic true-false questions but not on implicit and explicit knowledge checks.



Results

- Current thinking is that the questions were not specific enough to the material being taught leading to the lack of significant differences in scores by the control group compared to the experimental group. We need to develop more specific questions to determine if information content is effective.
- These results may lay further groundwork for increased educational utility via digital and virtual media to convey genomic information.
- Future research seeks to explore the effect of education about gene-environment interactions on health behavior motivation.

