**Supplementary Materials**

This document contains full details of tests that are summarised in the main text.

*Hypothesis 6 – The positive association between pathogen disgust sensitivity and opposition to vaccinations, GM foods, and cultured meat will be independent of age, sex, educational attainment, resistance to change, subjective knowledge of gene editing, objective knowledge of gene editing, risk taking, trust in scientists, and neuroticism.*

*Vaccination and pathogen disgust sensitivity model*: Knowledge, educational attainment, resistance to change, and trust in science were independent, significant predictors of opposition to vaccines. The adjusted R2 of the model for vaccination opposition was 0.16. Those who were less resistant to change (β=.13, p=.026), less educated (β=-.23, p<.001), less trusting in science (β=-.30, p <.001), were more likely to oppose vaccination. Pathogen disgust sensitivity was not a significant predictor of vaccination opposition (p>.05). See full model results in Table S1.

Table S1. Pathogen disgust sensitivity regression model results with opposition to vaccination as dependent variable.

|  |  |
| --- | --- |
|  | **Vaccination opposition** |
| Variable | β | p |
| Age |  -.04 |  .464 |
| Sex |  -.06 |  .223 |
| Knowledge |  -.14 |  **.006** |
| Educational attainment |  -.23 | **<.001** |
| Resistance to change |  -.13 |  **.026** |
| Risk taking |  .07 |  .231 |
| Trust in science |  -.30 | **<.001** |
| Neuroticism |  .01 |  .911 |
| Pathogen disgust sensitivity |  .05 |  .300 |
| F | 8.386 (p<.001)  |   |
| R2/Adjusted R2 | 0.18/0.16  |   |

Note. Bold indicates p<.05. *1 = Female*

*Hypothesis 7 – The association between pathogen disgust sensitivity and opposition to vaccinations, GM crops, and cultured meats will be mediated by i) political conservatism and ii) religiosity.*

*Vaccination mediation model.* Although the predicted association between vaccination opposition and pathogen disgust sensitivity was non-significant (for both pathogen and core disgust sensitivity), we still examined whether these associations were mediated by political ideology or religiosity. To this end, we fitted a model with political ideology and religiosity mediating the path from pathogen disgust sensitivity to vaccination opposition. In the model with pathogen disgust sensitivity, the direct effect was non-significant (p= .510), as well as the indirect effects of political ideology and religiosity, (both β <.09 and p >.121).

*Cultured meat mediation model.* Although the predicted association between cultured meat opposition and pathogen disgust sensitivity was non-significant (for both pathogen and core disgust sensitivity), we still examined whether these associations were mediated by political ideology or religiosity. To this end, we fitted a model with political ideology and religiosity mediating the path from pathogen disgust sensitivity to cultured meat opposition. In the model with pathogen disgust sensitivity, the direct effects and indirect effects in all models were non-significant (all β>.11, all p<.052).

***Sensitivity checks***

*Vaccination and core disgust sensitivity model*: Knowledge, educational attainment, resistance to change, and trust in science were independent, significant predictors of opposition to vaccines. The adjusted R2 of the model for vaccination opposition was 0.17. Those who were less resistant to change (β=.13, p=.023), less educated (β=-.22, p<.001), less trusting in science (β=-.30, p <.001), were more likely to oppose vaccination. Pathogen disgust sensitivity was not a significant predictor of vaccination opposition (p>.05). See full model results in Table S2.

Table S2. Core disgust sensitivity regression model results with opposition to vaccination as dependent variable.

|  |  |
| --- | --- |
|  | **Vaccination opposition** |
| Variable | β | p |
| Age |  -.05 | .373 |
| Sex |  -.07 | .152 |
| Knowledge |  -.13 |  **.008** |
| Educational attainment |  -.22 | **<.001** |
| Resistance to change |  -.13 |  **.023** |
| Risk taking |  .06 |  .306 |
| Trust in science |  -.30 |  **<.001** |
| Neuroticism |  .00 |  .997 |
| Core disgust sensitivity |  .10 | .069 |
| F | 8.691 (p<.001)  |   |
| R2/Adjusted R2 | 0.19/0.17  |   |

Note. Bold indicates p<.05. *1 = Female*