**Supplementary Table 1**
**Demographic characteristics of participants**

| Variable | Turkish (n = 1.845) | Syrian (n = 1.226) | Test statistic | *p* |
|---|---|---|---|---|
| Gender | | | $\chi^2(1) = 430.96$ | < 0.001 |
| *Male* | 643 (34.9) | 897 (73.2) | | |
| *Female* | 1202 (65.1) | 329 (26.8) | | |
| Place of residence | | | $\chi^2(2) = 214.93$ | <0 .001 |
| *Mersin* | 50 (2.7) | 103 (8.4) | | |
| *Hatay* | 607 (32.9) | 653 (53.3) | | |
| *Kahramanmaraş* | 1188 (64.4) | 470 (38.3) | | |
| Socio-economic status | | | $\chi^2(4) = 548.87$ | < 0.001 |
| *Very dissatisfied* | 81 (4.4) | 251 (20.5) | | |
| *Dissatisfied* | 472 (25.6) | 441 (36.0) | | |
| *Neither satisfied nor dissatisfied* | 429 (23.3) | 365 (29.8) | | |
| *Satisfied* | 108 (5.9) | 94 (7.7) | | |
| *Very satisfied* | 755 (40.9) | 75 (6.1) | | |

***Note.*** Values are presented as n (%). Household income satisfaction was assessed using a five-point Likert-type item adapted in line with TÜİK's household income satisfaction categories. The responses reflect participants' subjective satisfaction with their household income and should not be interpreted as an objective measure of socioeconomic status. $\chi^2$ = chi-square test statistic.

**Supplementary Table 2**

**Descriptive Statistics for Study Scales, Subscales, and Trauma Types**

| Variable | Group | *n* | *M* | *SD* | *Mdn* | *IQR* | Min | Max | Skewness | Kurtosis |
|---|---|---|---|---|---|---|---|---|---|---|
| Total trauma index | Turkish | 1845 | 3.58 | 1.93 | 4.00 | 3.00 | 0.00 | 8.00 | -0.42 | -0.59 |
| | Syrian | 1226 | 4.96 | 2.07 | 5.00 | 3.00 | 1.00 | 8.00 | -0.50 | -0.70 |
| EQ (earthquake exposure) | Syrian | 1226 | 12.52 | 5.03 | 12.00 | 8.00 | 5.00 | 32.00 | 0.61 | -0.24 |
| | Turkish | 1845 | 3.44 | 2.65 | 3.00 | 4.00 | 0.00 | 8.00 | 0.23 | -1.13 |
| SCARED | Turkish | 1845 | 48.04 | 15.98 | 50.00 | 20.00 | 0.00 | 82.00 | -0.42 | 0.32 |
| | Syrian | 1226 | 55.67 | 14.69 | 54.00 | 24.00 | 20.00 | 81.00 | 0.00 | -0.86 |
| *Panic* | Turkish | 1845 | 15.00 | 5.73 | 16.00 | 9.00 | 0.00 | 26.00 | -0.39 | -0.42 |
| | Syrian | 1226 | 17.74 | 4.83 | 18.00 | 8.00 | 3.00 | 26.00 | -0.24 | -0.76 |
| *Generalized anxiety* | Turkish | 1845 | 10.64 | 3.74 | 11.00 | 5.00 | 0.00 | 18.00 | -0.42 | 0.17 |
| | Syrian | 1226 | 11.88 | 3.70 | 12.00 | 6.00 | 3.00 | 18.00 | -0.08 | -1.00 |
| *Separation anxiety* | Turkish | 1845 | 9.59 | 3.15 | 10.00 | 4.00 | 0.00 | 16.00 | -0.63 | 0.56 |
| | Syrian | 1226 | 11.23 | 3.12 | 11.00 | 5.00 | 2.00 | 16.00 | -0.09 | -0.74 |
| *Social phobia* | Turkish | 1845 | 8.02 | 3.17 | 8.00 | 4.00 | 0.00 | 14.00 | -0.14 | -0.29 |
| | Syrian | 1226 | 9.40 | 2.92 | 9.00 | 5.00 | 2.00 | 14.00 | -0.23 | -0.77 |
| *School avoidance* | Turkish | 1845 | 4.79 | 2.07 | 5.00 | 4.00 | 0.00 | 8.00 | -0.22 | -0.77 |
| | Syrian | 1226 | 5.41 | 1.82 | 5.00 | 3.00 | 0.00 | 8.00 | -0.25 | -0.73 |
| CRIES | Turkish | 1845 | 34.46 | 8.00 | 35.00 | 11.00 | 13.00 | 52.00 | -0.03 | -0.19 |
| | Syrian | 1226 | 36.72 | 7.26 | 37.00 | 11.00 | 20.00 | 51.00 | -0.15 | -0.77 |
| *Intrusion* | Turkish | 1845 | 10.59 | 2.74 | 11.00 | 4.00 | 4.00 | 16.00 | -0.08 | -0.56 |
| | Syrian | 1226 | 11.08 | 2.88 | 11.00 | 5.00 | 4.00 | 16.00 | -0.11 | -0.89 |
| *Avoidance* | Turkish | 1845 | 10.52 | 2.54 | 11.00 | 3.00 | 4.00 | 16.00 | 0.00 | -0.34 |
| | Syrian | 1226 | 11.49 | 2.51 | 12.00 | 3.00 | 5.00 | 16.00 | -0.25 | -0.76 |
| *Hyperarousal* | Turkish | 1845 | 13.35 | 3.56 | 13.00 | 5.00 | 5.00 | 20.00 | -0.14 | -0.45 |
| | Syrian | 1226 | 14.15 | 3.09 | 15.00 | 5.00 | 5.00 | 20.00 | -0.37 | -0.57 |
| KADS (Depression) | Turkish | 1845 | 16.54 | 4.58 | 16.00 | 8.00 | 6.00 | 24.00 | -0.24 | -0.68 |
| | Syrian | 1226 | 16.47 | 4.32 | 16.00 | 6.00 | 4.00 | 24.00 | 0.08 | -0.57 |
| UCLA (Loneliness) | Turkish | 1845 | 14.77 | 3.26 | 15.00 | 3.00 | 6.00 | 24.00 | -0.16 | 1.48 |
| | Syrian | 1226 | 13.94 | 4.44 | 14.00 | 4.00 | 6.00 | 24.00 | 0.61 | 0.05 |
| SWL (Life satisfaction) | Turkish | 1845 | 17.20 | 6.57 | 16.00 | 10.00 | 5.00 | 34.00 | -0.05 | -0.56 |

## Supplementary Table 3

**Comparison of Scales, Subscales, and Trauma Exposure Between the Turkish and Syrian Samples**

| Variable | Turkish (*n* = 1,845) | Syrian (*n* = 1,226) | *U* | *p* | *r* |
|---|---|---|---|---|---|
| *Questionnaires — M (SD) / Mdn* | | | | | |
| Total trauma index | 3.58 (1.93) / 4.00 | 4.96 (2.07) / 5.00 | 690,950 | < 0.001 | 0.33 |
| EQ | 3.44 (2.65) / 3.00 | 4.65 (2.50) / 5.00 | 831,467 | < 0.001 | 0.23 |
| SCARED | 48.04 (15.98) / 50.00 | 55.67 (14.69) / 54.00 | 852,186.5 | < 0.001 | 0.21 |
| *Panic/Somatic* | 15.00 (5.73) / 16.00 | 17.74 (4.83) / 18.00 | 833,938 | < 0.001 | 0.22 |
| *Generalized anxiety* | 10.64 (3.74) / 11.00 | 11.88 (3.70) / 12.00 | 938,730.5 | < 0.001 | 0.14 |
| *Separation anxiety* | 9.59 (3.15) / 10.00 | 11.23 (3.12) / 11.00 | 835,028 | < 0.001 | 0.22 |
| *Social phobia* | 8.02 (3.17) / 8.00 | 9.40 (2.92) / 9.00 | 855,460.5 | < 0.001 | 0.21 |
| *School avoidance* | 4.79 (2.07) / 5.00 | 5.41 (1.82) / 5.00 | 943,120.5 | < 0.001 | 0.14 |
| CRIES | 34.46 (8.00) / 35.00 | 36.72 (7.26) / 37.00 | 940,222.5 | < 0.001 | 0.14 |
| *Intrusion* | 10.59 (2.74) / 11.00 | 11.08 (2.88) / 11.00 | 1,029,281 | < 0.001 | 0.08 |
| *Avoidance* | 10.52 (2.54) / 11.00 | 11.49 (2.51) / 12.00 | 884,145 | < 0.001 | 0.18 |
| *Hyperarousal* | 13.35 (3.56) / 13.00 | 14.15 (3.09) / 15.00 | 975,234 | < 0.001 | 0.12 |
| KADS (Depression) | 16.54 (4.58) / 16.00 | 16.47 (4.32) / 16.00 | 1,162,095.5 | 0.195 | 0.02 |
| UCLA (Loneliness) | 14.77 (3.26) / 15.00 | 13.94 (4.44) / 14.00 | 1,371,334.5 | < 0.001 | 0.18 |
| SWL (Life satisfaction) | 17.20 (6.57) / 16.00 | 12.52 (5.03) / 12.00 | 1,601,596.5 | < 0.001 | 0.35 |

***Note.*** U = Mann–Whitney U; *r* = effect size; EQ = earthquake exposure.

## Supplementary Table 4
### Regularized Partial-Correlation (Edge-Weight) Matrix

| | PAN | GAD | SEP | SOC | SCH | INT | AVO | HYP | DEP | LON | LIF | EQ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAN | — | 0.23 | 0.26 | 0.17 | 0.32 | 0.18 | 0.01 | 0.15 | 0.06 | 0.04 | −0.07 | 0.01 |
| GAD | 0.15 | — | 0.16 | 0.32 | 0.11 | 0.12 | 0.00 | 0.00 | 0.02 | 0.00 | −0.17 | 0.00 |
| SEP | 0.35 | 0.29 | — | 0.18 | 0.15 | −0.19 | 0.04 | 0.09 | 0.10 | 0.02 | 0.05 | 0.11 |
| SOC | 0.28 | 0.25 | 0.01 | — | 0.03 | 0.00 | 0.11 | 0.07 | 0.00 | 0.18 | −0.06 | 0.15 |
| SCH | 0.42 | 0.21 | 0.02 | 0.06 | — | 0.03 | 0.00 | −0.09 | 0.13 | 0.00 | 0.01 | 0.04 |
| INT | 0.11 | −0.02 | −0.11 | −0.02 | 0.02 | — | 0.28 | 0.16 | 0.18 | −0.01 | −0.03 | −0.04 |
| AVO | 0.00 | −0.03 | 0.00 | 0.11 | 0.00 | 0.45 | — | 0.31 | 0.13 | 0.00 | 0.00 | −0.05 |
| HYP | 0.00 | 0.02 | 0.16 | −0.02 | 0.00 | 0.42 | 0.23 | — | 0.07 | 0.09 | 0.09 | 0.02 |
| DEP | 0.08 | −0.03 | 0.00 | 0.13 | 0.00 | 0.03 | 0.04 | 0.07 | — | 0.15 | 0.00 | 0.15 |
| LON | 0.00 | 0.05 | 0.14 | 0.01 | 0.05 | 0.00 | 0.11 | −0.01 | 0.34 | — | 0.04 | −0.30 |
| LIF | 0.00 | 0.00 | −0.01 | 0.00 | 0.01 | 0.00 | −0.16 | −0.03 | −0.06 | 0.08 | — | −0.11 |
| EQ | −0.01 | −0.09 | 0.03 | 0.00 | 0.00 | −0.17 | 0.10 | 0.15 | 0.06 | 0.00 | −0.17 | — |

***Note.*** Lower triangle = Turkish; upper triangle = Syrian. Values are regularized partial correlations (edge weights). PAN = panic/somatic; GAD = generalized anxiety; SEP = separation anxiety; SOC = social phobia; SCH = school avoidance; INT = intrusion; AVO = avoidance; HYP = hyperarousal; DEP = depression; LON = loneliness; LIF = life satisfaction; EQ = earthquake exposure.

## Supplementary Table 5
### Network Comparison Test: Edge-Difference Matrix

| | PAN | GAD | SEP | SOC | SCH | INT | AVO | HYP | DEP | LON | LIF | EQ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAN | — | 0.023 | 0.008 | 0.003 | 0.005 | 0.013 | 0.013 | 0.001 | 0.549 | 0.262 | 0.001 | 0.701 |
| GAD | 0.08 | — | 0.001 | 0.050 | 0.008 | 0.001 | 0.032 | 0.016 | 0.002 | 0.060 | 0.001 | 0.002 |
| SEP | 0.09 | 0.13 | — | 0.001 | 0.002 | 0.019 | 0.016 | 0.017 | 0.003 | 0.001 | 0.001 | 0.011 |
| SOC | 0.12 | 0.07 | 0.17 | — | 0.437 | 0.145 | 0.868 | 0.001 | 0.002 | 0.001 | 0.017 | 0.001 |
| SCH | 0.10 | 0.10 | 0.13 | 0.03 | — | 0.821 | 0.000 | 0.001 | 0.001 | 0.021 | 0.991 | 0.040 |
| INT | 0.07 | 0.13 | 0.08 | 0.02 | 0.01 | — | 0.001 | 0.001 | 0.001 | 0.235 | 0.390 | 0.001 |
| AVO | 0.01 | 0.03 | 0.04 | 0.00 | 0.00 | 0.18 | — | 0.044 | 0.012 | 0.003 | 0.001 | 0.001 |
| HYP | 0.15 | 0.02 | 0.07 | 0.09 | 0.09 | 0.26 | 0.07 | — | 0.868 | 0.009 | 0.001 | 0.001 |
| DEP | 0.02 | 0.05 | 0.10 | 0.13 | 0.13 | 0.15 | 0.09 | 0.01 | — | 0.001 | 0.027 | 0.015 |
| LON | 0.04 | 0.05 | 0.13 | 0.17 | 0.05 | 0.01 | 0.11 | 0.10 | 0.20 | — | 0.261 | 0.001 |
| LIF | 0.07 | 0.17 | 0.07 | 0.06 | 0.00 | 0.03 | 0.16 | 0.12 | 0.06 | 0.04 | — | 0.085 |
| EQ | 0.01 | 0.09 | 0.08 | 0.15 | 0.04 | 0.13 | 0.15 | 0.13 | 0.09 | 0.30 | 0.06 | — |

***Note.*** Lower triangle = absolute edge-weight difference |Δ|; upper triangle = permutation p value with family-wise error (maximum-statistic) correction. Abbreviations as in Supplementary Table 4.

**Supplementary Table 6**

**Node Centrality and Network Comparison Test of Centrality**

| Node | Strength | | Expected influence | | | Bridge expected influence | | |
|---|---|---|---|---|---|---|---|---|
| | Turkish | Syrian | Turkish | Syrian | *p* | Turkish | Syrian | *p* |
| PAN | 1.40 | 1.49 | 1.39 | 1.35 | 0.479 | 0.19 | 0.37 | 0.001 |
| GAD | 1.15 | 1.13 | 0.81 | 0.79 | 0.843 | -0.10 | -0.04 | 0.267 |
| SEP | 1.13 | 1.34 | 0.87 | 0.96 | 0.099 | 0.21 | 0.21 | 0.912 |
| SOC | 0.89 | 1.27 | 0.80 | 1.15 | <0.001 | 0.20 | 0.45 | <0.001 |
| SCH | 0.79 | 0.91 | 0.79 | 0.73 | 0.377 | 0.08 | 0.12 | 0.436 |
| INT | 1.36 | 1.21 | 0.72 | 0.66 | 0.381 | -0.15 | 0.23 | <0.001 |
| AVO | 1.23 | 0.93 | 0.85 | 0.82 | 0.736 | 0.16 | 0.24 | 0.212 |
| HYP | 1.12 | 1.12 | 0.99 | 0.95 | 0.428 | 0.33 | 0.48 | 0.002 |
| DEP | 0.84 | 0.99 | 0.67 | 0.99 | <0.001 | 0.67 | 0.99 | <0.001 |
| LON | 0.80 | 0.82 | 0.78 | 0.19 | <0.001 | 0.78 | 0.19 | <.0001 |
| LIF | 0.52 | 0.63 | -0.35 | -0.26 | 0.071 | -0.35 | -0.26 | 0.071 |
| EQ | 0.77 | 0.98 | -0.11 | -0.03 | 0.174 | -0.11 | -0.03 | 0.174 |

***Note.*** Strength = sum of absolute edge weights; expected influence = sum of signed edge weights; bridge expected influence computed with the SCARED and CRIES subscales as the two communities. Values are raw (un-standardized). *p* values are from permutation tests (2.000 iterations). Abbreviations as in Supplementary Table 4.

**Supplementary Table 7**
**Node Predictability**

| Node | Turkish $R^2$ | Syrian $R^2$ |
|---|---|---|
| PAN | 0.80 | 0.80 |
| GAD | 0.72 | 0.74 |
| SEP | 0.71 | 0.69 |
| SOC | 0.64 | 0.71 |
| SCH | 0.66 | 0.61 |
| INT | 0.67 | 0.56 |
| AVO | 0.67 | 0.52 |
| HYP | 0.63 | 0.53 |
| DEP | 0.38 | 0.51 |
| LON | 0.37 | 0.31 |
| LIF | 0.17 | 0.22 |
| EQ | 0.16 | 0.32 |

***Note.*** Values are predictability ($R^2$): the proportion of each node's variance explained by its neighboring nodes. Abbreviations as in Supplementary Table 4.

## Supplementary Table 8
### Network Stability and Edge Accuracy

| Group | Non-zero edges | Edges with 95% bootstrap CI excluding 0 | CS-coefficient (EI) |
|---|---|---|---|
| Turkish | 50 | 32 | 0.75 |
| Syrian | 55 | 40 | 0.75 |

***Note.*** CS-coefficient = correlation-stability coefficient from case-dropping bootstrap (≥ 0.25 acceptable, ≥ 0.50 strong), based on expected influence. Edge accuracy from 3000 nonparametric bootstraps.

**Supplementary Table 9**
**Robustness Analyses**

| Analysis | Result | *p* |
|---|---|---|
| Equal-n down-sampling (Turkish → Syrian *n*) | S-difference = 0.36 (full sample = 0.40) | — |
| Earthquake-exposure severity (high vs. low) | | |
| Global strength | S = 5.52 vs. 5.15 | 0.007 |
| Network structure (*M*) | — | 0.001 |
| Within Turkish (low → high) | S = 5.32 → 6.10 | 0.001 |
| Within Syrian (low → high) | S = 5.84 → 6.83 | 0.001 |

***Note.*** Equal-*n* analysis randomly down-sampled the Turkish sample to the Syrian n. Earthquake-exposure severity was defined by a within-group median split on earthquake exposure. S = global strength; M = maximum edge-difference statistic.

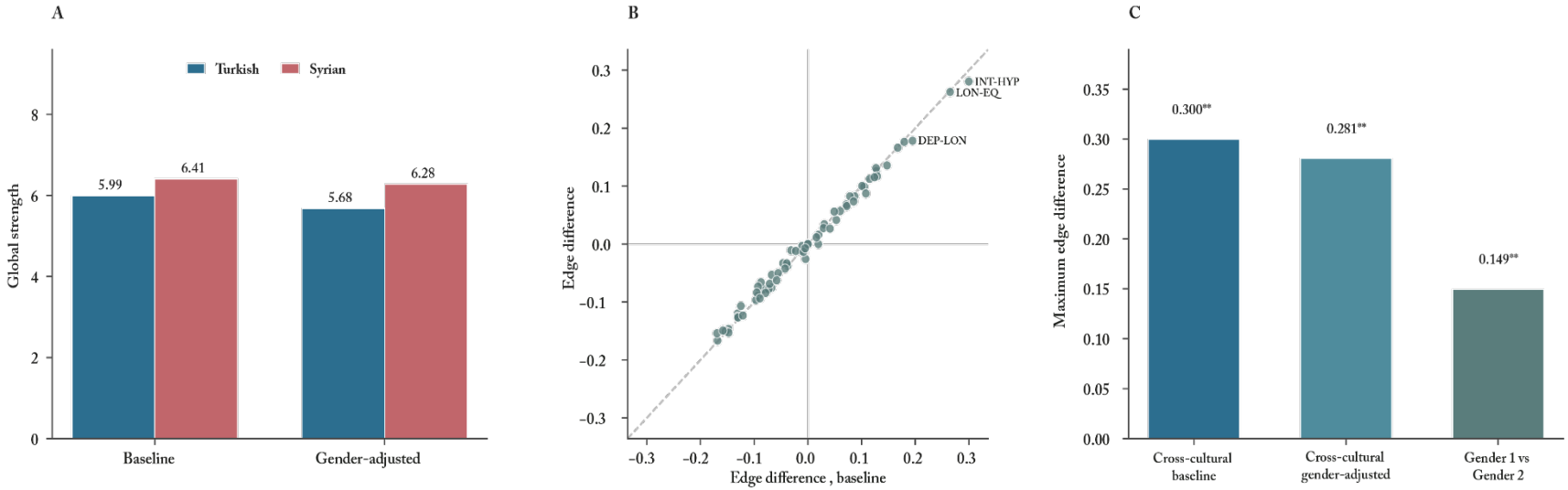
## Supplementary Table 10
### Zero-Order Spearman Correlation Matrix of Network Nodes

| | PAN | GAD | SEP | SOC | SCH | INT | AVO | HYP | DEP | LON | LIF | EQ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAN | — | 0.80 | 0.77 | 0.78 | 0.75 | 0.61 | 0.59 | 0.62 | 0.63 | 0.37 | −0.36 | 0.36 |
| GAD | 0.73 | — | 0.72 | 0.78 | 0.68 | 0.56 | 0.54 | 0.52 | 0.58 | 0.32 | −0.41 | 0.35 |
| SEP | 0.75 | 0.70 | — | 0.72 | 0.67 | 0.40 | 0.50 | 0.54 | 0.57 | 0.32 | −0.26 | 0.39 |
| SOC | 0.72 | 0.67 | 0.59 | — | 0.65 | 0.52 | 0.57 | 0.58 | 0.57 | 0.40 | −0.36 | 0.39 |
| SCH | 0.78 | 0.68 | 0.63 | 0.62 | — | 0.48 | 0.46 | 0.43 | 0.57 | 0.27 | −0.27 | 0.34 |
| INT | 0.42 | 0.27 | 0.28 | 0.32 | 0.35 | — | 0.62 | 0.57 | 0.56 | 0.26 | −0.25 | 0.17 |
| AVO | 0.39 | 0.28 | 0.33 | 0.39 | 0.32 | 0.72 | — | 0.64 | 0.55 | 0.30 | −0.21 | 0.18 |
| HYP | 0.42 | 0.35 | 0.42 | 0.34 | 0.36 | 0.70 | 0.66 | — | 0.54 | 0.35 | −0.15 | 0.23 |
| DEP | 0.46 | 0.33 | 0.39 | 0.44 | 0.35 | 0.35 | 0.39 | 0.38 | — | 0.35 | −0.22 | 0.33 |
| LON | 0.44 | 0.41 | 0.46 | 0.41 | 0.41 | 0.28 | 0.36 | 0.30 | 0.52 | — | −0.06 | −0.11 |
| LIF | −0.12 | −0.08 | −0.12 | −0.12 | −0.07 | −0.21 | −0.30 | −0.24 | −0.16 | −0.03 | — | −0.27 |
| EQ | 0.00 | −0.06 | 0.05 | 0.01 | 0.00 | 0.00 | 0.16 | 0.17 | 0.12 | 0.05 | −0.23 | — |

***Note***. Lower triangle = Turkish; upper triangle = Syrian. Symptom nodes are residualized on war exposure. Abbreviations as in Supplementary Table 4.

## Supplementary Figure 1

### Sensitivity of the cross-cultural network comparison to sample sex composition




***Note.*** (A) Global strength (sum of absolute edge weights) of the Turkish and Syrian networks under the war-only baseline and after additional adjustment for gender. (B) Signed edge-weight differences (Turkish − Syrian) for all 66 edges, baseline (x-axis) versus gender-adjusted (y-axis), shown relative to the identity line. (C) Maximum edge-difference statistic (M) for the cross-cultural contrast (baseline and gender-adjusted) and the pooled gender contrast. Asterisks mark permutation significance ($^{**}$ $p < 0.01$; $^{*}$ $p < 0.05$).