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| Table S1  *Sample-specific results for distinctive assumed similarity* | | | | | | | | | | | | | | | | | | | |
|  | Danish | | |  | British Isles | | |  | Chinese 1 | | |  | Chinese 2 | | |  | Chinese 3 | | |
|  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |
| Profile | 0.11 | 0.02 | <.001 |  | 0.09 | 0.01 | <.001 |  | 0.13 | 0.02 | <.001 |  | 0.14 | 0.01 | <.001 |  | 0.12 | 0.01 | <.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AG | 0.07 | 0.03 | .050 |  | -0.01 | 0.02 | .696 |  | 0.14 | 0.03 | <.001 |  | 0.12 | 0.02 | <.001 |  | 0.10 | 0.02 | <.001 |
| CO | -0.06 | 0.04 | .069 |  | -0.01 | 0.02 | .744 |  | 0.02 | 0.03 | .511 |  | 0.09 | 0.02 | <.001 |  | 0.01 | 0.02 | .600 |
| EM | 0.01 | 0.03 | .774 |  | -0.02 | 0.02 | .263 |  | 0.03 | 0.03 | .244 |  | 0.02 | 0.02 | .280 |  | 0.01 | 0.02 | .572 |
| EX | 0.11 | 0.03 | .002 |  | 0.04 | 0.02 | .067 |  | 0.10 | 0.03 | <.001 |  | 0.06 | 0.02 | <.001 |  | 0.09 | 0.02 | <.001 |
| HH | 0.32 | 0.03 | <.001 |  | 0.30 | 0.02 | <.001 |  | 0.29 | 0.03 | <.001 |  | 0.30 | 0.02 | <.001 |  | 0.28 | 0.02 | <.001 |
| OE | 0.21 | 0.04 | <.001 |  | 0.21 | 0.02 | <.001 |  | 0.19 | 0.03 | <.001 |  | 0.20 | 0.02 | <.001 |  | 0.19 | 0.02 | <.001 |
| *Note.* AG = Agreeableness. CO = Conscientiousness. EM = Emotionality. EX = Extraversion. HH = Honesty-Humility. OE = Openness to Experience | | | | | | | | | | | | | | | | | | | |

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| Table S2  *Sample-specific results for distinctive assumed similarity moderated by relationship satisfaction* | | | | | | | | | | | | | | | |
|  | British Isles | | |  | Chinese 1 | | |  | Chinese 2 | | |  | Chinese 3 | | |
|  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |
| Profile | 0.05 | 0.01 | <.001 |  | 0.08 | 0.02 | <.001 |  | 0.03 | 0.01 | .020 |  | 0.04 | 0.01 | <.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AG | 0.06 | 0.02 | .003 |  | 0.14 | 0.03 | <.001 |  | -0.03 | 0.02 | .123 |  | 0.11 | 0.02 | <.001 |
| CO | 0.00 | 0.02 | .865 |  | 0.08 | 0.03 | .005 |  | 0.03 | 0.02 | .115 |  | 0.01 | 0.02 | .453 |
| EM | 0.04 | 0.02 | .063 |  | -0.00 | 0.03 | .950 |  | 0.01 | 0.02 | .544 |  | 0.04 | 0.02 | .024 |
| EX | 0.08 | 0.02 | <.001 |  | 0.05 | 0.03 | .045 |  | 0.01 | 0.02 | .454 |  | 0.02 | 0.02 | .387 |
| HH | 0.03 | 0.02 | .190 |  | 0.09 | 0.03 | <.001 |  | 0.02 | 0.02 | .170 |  | 0.05 | 0.02 | .001 |
| OE | 0.05 | 0.02 | .031 |  | 0.11 | 0.03 | <.001 |  | 0.07 | 0.02 | <.001 |  | 0.01 | 0.02 | .532 |
| *Note.* AG = Agreeableness. CO = Conscientiousness. EM = Emotionality. EX = Extraversion. HH = Honesty-Humility. OE = Openness to Experience | | | | | | | | | | | | | | | |

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| Table S3  *Sample-specific results for distinctive assumed similarity moderated by relationship commitment* | | | | | | | | | | | | | | | |
|  | British Isles | | |  | Chinese 1 | | |  | Chinese 2 | | |  | Chinese 3 | | |
|  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |
| Profile | 0.04 | 0.01 | .001 |  | 0.07 | 0.02 | <.001 |  | 0.01 | 0.01 | .440 |  | 0.04 | 0.01 | <.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AG | 0.04 | 0.02 | .033 |  | 0.07 | 0.03 | .012 |  | -0.06 | 0.02 | .002 |  | 0.06 | 0.02 | <.001 |
| CO | 0.01 | 0.02 | .600 |  | 0.06 | 0.03 | .047 |  | 0.03 | 0.02 | .051 |  | 0.03 | 0.02 | .078 |
| EM | 0.05 | 0.02 | .016 |  | -0.03 | 0.03 | .338 |  | 0.01 | 0.02 | .435 |  | 0.04 | 0.02 | .020 |
| EX | 0.05 | 0.02 | .022 |  | -0.01 | 0.03 | .658 |  | 0.02 | 0.02 | .191 |  | 0.02 | 0.02 | .192 |
| HH | 0.01 | 0.02 | .509 |  | 0.13 | 0.03 | <.001 |  | 0.02 | 0.02 | .227 |  | 0.06 | 0.02 | <.001 |
| OE | 0.06 | 0.02 | .002 |  | 0.15 | 0.03 | <.001 |  | -0.00 | 0.02 | .821 |  | 0.03 | 0.02 | .124 |
| *Note.* AG = Agreeableness. CO = Conscientiousness. EM = Emotionality. EX = Extraversion. HH = Honesty-Humility. OE = Openness to Experience | | | | | | | | | | | | | | | |

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| Table S4  *Results for distinctive actual similarity in Chinese 3 sample* | | | | | | | | | | | | | | | |
|  | Main effects | | |  | Moderation by relationship satisfaction | | |  | Moderation by relationship commitment | | |  |  | | |
|  | est | SE | *p* |  | est | SE | *p* |  | est | SE | *p* |  |  |  |  |
| Profile | 0.02 | 0.01 | .003 |  | -0.00 | 0.01 | .904 |  | 0.01 | 0.01 | .375 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AG | 0.00 | 0.02 | .805 |  | 0.01 | 0.02 | .625 |  | 0.01 | 0.02 | .591 |  |  |  |  |
| CO | 0.03 | 0.02 | .065 |  | -0.03 | 0.02 | .090 |  | 0.00 | 0.02 | .936 |  |  |  |  |
| EM | -0.00 | 0.02 | .842 |  | -0.01 | 0.02 | .572 |  | -0.01 | 0.02 | .352 |  |  |  |  |
| EX | 0.04 | 0.02 | .032 |  | 0.02 | 0.02 | .300 |  | 0.01 | 0.02 | .556 |  |  |  |  |
| HH | 0.04 | 0.02 | .004 |  | 0.01 | 0.02 | .553 |  | 0.04 | 0.02 | .004 |  |  |  |  |
| OE | 0.02 | 0.02 | .114 |  | 0.00 | 0.02 | .854 |  | -0.01 | 0.02 | .678 |  |  |  |  |
| *Note.* AG = Agreeableness. CO = Conscientiousness. EM = Emotionality. EX = Extraversion. HH = Honesty-Humility. OE = Openness to Experience | | | | | | | | | | | | | | | |

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| Table S5  *Assumed similarity correlations for trait scale aggregates* | | | | | | | | | | | | | | | | | | | | | | | |
|  | Danish | | |  | British Isles | | |  | Chinese 1 | | |  | Chinese 2 | | |  | Chinese 3 | | |  | Meta-analysis | | |
|  | *r* | SE | *p* |  | *r* | SE | *p* |  | *r* | SE | *p* |  | *r* | SE | *p* |  | *r* | SE | *p* |  | *r* | SE | *p* |
| AG | -.02 | 0.11 | .877 |  | -.10 | 0.06 | .094 |  | .21 | 0.08 | .014 |  | .12 | 0.05 | .024 |  | .13 | 0.06 | .026 |  | .07 | 0.05 | .164 |
| CO | -.20 | 0.10 | .053 |  | -.03 | 0.06 | .617 |  | -.04 | 0.08 | .637 |  | .16 | 0.05 | .002 |  | -.05 | 0.06 | .361 |  | -.01 | 0.05 | .786 |
| EM | -.18 | 0.10 | .087 |  | -.20 | 0.06 | .001 |  | .02 | 0.08 | .847 |  | -.13 | 0.05 | .012 |  | -.15 | 0.06 | .006 |  | -.14 | 0.03 | <.001 |
| EX | .16 | 0.10 | .123 |  | .02 | 0.06 | .755 |  | .08 | 0.08 | .327 |  | .07 | 0.05 | .187 |  | .08 | 0.06 | .155 |  | .07 | 0.03 | .018 |
| HH | .50 | 0.09 | <.001 |  | .44 | 0.05 | <.001 |  | .49 | 0.07 | <.001 |  | .52 | 0.05 | <.001 |  | .48 | 0.05 | <.001 |  | .53 | 0.03 | <.001 |
| OE | .35 | 0.10 | <.001 |  | .31 | 0.06 | <.001 |  | .26 | 0.08 | .002 |  | .27 | 0.05 | <.001 |  | .30 | 0.05 | <.001 |  | .30 | 0.03 | <.001 |
| *Note.* AG = Agreeableness. CO = Conscientiousness. EM = Emotionality. EX = Extraversion. HH = Honesty-Humility. OE = Openness to Experience. Random effect maximum likelihood estimates for meta-analysis. | | | | | | | | | | | | | | | | | | | | | | | |