

### Supplementary tables

**Table S1.** Repeated-measures ANCOVA on trust decisions.

	<i>Sum of Squares</i>	<i>df</i>	<i>F</i>	<i>p</i>	$\eta_p^2$
Partner	0.52	1	0.469	0.495	0.004
Partner * Gender	0.63	1	0.565	0.454	0.005
Partner * Distrust Scale	3.73	1	3.344	0.070	0.029
Partner * RSQ_Desire For Intimacy	0.63	1	0.568	0.453	0.005
Partner * PNR_PR	0.38	1	0.344	0.559	0.003
Partner * Game	9.63	1	8.625	<b>0.004</b>	0.072
Error(Partner)	123.96	111			
Gender	4.59	1	0.422	0.517	0.004
Distrust Scale	0.20	1	0.019	0.891	0.000
RSQ_Desire For Intimacy	12.71	1	1.167	0.282	0.010
PNR_PR	0.07	1	0.007	0.932	0.000
Game	15.50	1	1.424	0.235	0.013
Error	1208.59	111			

*Note.* The bold numbers indicate significant differences.

PNR\_PR, Personal Norm of Reciprocity Scale, positive reciprocity; RSQ, Relationship Scales Questionnaires.

**Table S2.** Repeated-measures Analysis of Covariance (ANCOVA) on the response time of making trust decisions.

Source	<i>Sum of Squares</i>	<i>df</i>	<i>F</i>	<i>p</i>	$\eta_p^2$
Partner	56552.25	1	0.390	0.533	0.004
Partner * Gender	63673.88	1	0.440	0.509	0.004
Partner * Distrust Scale	47374.27	1	0.327	0.569	0.003
Partner * RSQ_Desire For Intimacy	1535.01	1	0.011	0.918	0.000
Partner * PNR_PR	88.19	1	0.001	0.980	0.000
Partner * Game	143264.01	1	0.989	0.322	0.009
Error(Partner)	16080077.09	111			
Gender	758725.16	1	0.820	0.367	0.007
Distrust Scale	156496.91	1	0.169	0.682	0.002
PNR_PR	1423671.90	1	1.539	0.217	0.014
RSQ_Desire For Intimacy	120737.62	1	0.131	0.719	0.001
Game	1190984.79	1	1.288	0.259	0.011
Error	102671130.40	111			

PNR\_PR, Personal Norm of Reciprocity Scale, positive reciprocity; RSQ, Relationship Scales Questionnaires.

**Table S3.** Hierarchical linear regression analysis on trust in the distrust game (DTG) and trust game (TG).

Predictors	DTG				TG			
	<i>Beta</i>	<i>SE.</i>	<i>t</i>	<i>p</i>	<i>Beta</i>	<i>SE.</i>	<i>t</i>	<i>p</i>
<i>Model 1</i>								
Constant	-1.48	1.43	-1.03	0.302	10.32	2.00	5.15	< <b>0.001</b>
Gender	0.82	0.20	3.97	< <b>0.001</b>	0.21	0.16	1.32	0.186
Subject	-0.10	0.01	-9.65	< <b>0.001</b>	-0.03	0.01	-4.17	< <b>0.001</b>
Trust_WVS	-0.08	0.20	-0.40	0.683	-1.01	0.21	-4.73	< <b>0.001</b>
Trust strangers	-1.16	0.19	-6.05	< <b>0.001</b>	1.01	0.12	7.84	< <b>0.001</b>
PIFT	1.16	0.16	7.10	< <b>0.001</b>	0.59	0.12	4.66	< <b>0.001</b>
SVO	-0.04	0.01	-4.12	< <b>0.001</b>	0.03	0.01	4.94	< <b>0.001</b>
Distrust	-0.21	0.09	-2.35	<b>0.019</b>	0.46	0.11	3.97	< <b>0.001</b>
Moral Identity	0.30	0.06	4.90	< <b>0.001</b>	-0.21	0.05	-3.85	< <b>0.001</b>
IRI	0.02	0.00	3.05	<b>0.002</b>	-0.07	0.01	-6.07	< <b>0.001</b>
General Trust	-0.00	0.086	-0.01	0.991	0.36	0.08	4.47	< <b>0.001</b>
PRNR	-0.12	0.069	-1.72	0.084	0.08	0.06	1.45	0.147
Zero-sum	0.99	0.128	7.74	< <b>0.001</b>	1.08	0.12	9.04	< <b>0.001</b>
PNR_BR	-0.06	0.168	-0.38	0.697	0.05	0.13	0.36	0.713
PNR_PR	-0.01	0.15	-0.08	0.931	0.48	0.10	4.56	< <b>0.001</b>
PNR_NR	0.45	0.141	3.25	<b>0.001</b>	0.25	0.08	2.89	<b>0.004</b>
NEO-PI-R_M	2.33	0.23	9.97	< <b>0.001</b>	-0.25	0.20	-1.25	0.208
RSQ_Independence	0.47	0.16	2.84	<b>0.005</b>	-0.74	0.15	-4.76	< <b>0.001</b>
RSQ_Dependence	-1.09	0.18	-5.91	< <b>0.001</b>	-0.46	0.17	-2.60	<b>0.009</b>

RSQ_Lack of Trust	1.23	0.24	4.95	<b>&lt;0.001</b>	-0.87	0.20	-4.33	<b>&lt;0.001</b>
RSQ_Anxiety	-0.89	0.17	-5.09	<b>&lt;0.001</b>	0.10	0.16	0.59	0.556
RSQ_Desire for Intimacy	-0.91	0.143	-6.44	<b>&lt;0.001</b>	-0.34	0.12	-2.72	<b>0.007</b>
RSQ_Avoidance	-1.12	0.22	-5.08	<b>&lt;0.001</b>	-0.74	0.24	-3.11	<b>0.002</b>
Self-reported Trust	-0.26	0.02	-10.95	<b>&lt;0.001</b>	0.33	0.03	11.14	<b>&lt;0.001</b>
ITSQ	-0.45	0.17	-2.64	<b>0.008</b>	-0.91	0.14	-6.52	<b>&lt;0.001</b>
<i>R Square</i>			0.299				0.308	
<i>F change</i>			27.768				28.338	
<i>Sig. F change</i>			<0.001				<0.001	
<hr/> <i>Model 2</i> <hr/>								
Constant	1.47	1.42	1.03	0.302	7.26	1.95	3.70	<b>&lt;0.001</b>
Gender	0.67	0.20	3.34	<b>0.001</b>	0.62	0.15	3.93	<b>&lt;0.001</b>
Subject	-0.11	0.01	-10.58	<b>&lt;0.001</b>	-0.03	0.00	-4.38	<b>&lt;0.001</b>
Trust_WVS	-0.23	0.19	-1.17	0.24	-0.57	0.20	-2.81	<b>0.005</b>
Trust strangers	-1.29	0.18	-6.88	<b>&lt;0.001</b>	0.73	0.12	5.92	<b>&lt;0.001</b>
PIFT	1.15	0.159	7.25	<b>&lt;0.001</b>	0.61	0.12	5.02	<b>&lt;0.001</b>
SVO	-0.04	0.01	-4.21	<b>&lt;0.001</b>	0.02	0.01	2.83	<b>0.005</b>
Distrust	-0.25	0.09	-2.75	<b>0.006</b>	0.35	0.11	3.18	<b>0.001</b>
Moral Identity	0.34	0.06	5.82	<b>&lt;0.001</b>	-0.09	0.05	-1.79	0.072
IRI	0.02	0.01	3.11	<b>0.002</b>	-0.06	0.01	-5.84	<b>&lt;0.001</b>
General Trust	0.02	0.08	0.34	0.729	0.40	0.078	5.19	<b>&lt;0.001</b>
PRNR	-0.11	0.06	-1.75	0.08	0.02	0.05	0.38	0.699
Zero-sum	1.01	0.12	8.18	<b>&lt;0.001</b>	0.96	0.11	8.37	<b>&lt;0.001</b>

PNR_BR	-0.05	0.16	-0.31	0.753	0.23	0.12	1.83	0.067
PNR_PR	0.07	0.14	0.52	0.599	0.19	0.10	1.85	0.064
PNR_NR	0.44	0.13	3.25	<b>0.001</b>	0.13	0.08	1.59	0.110
NEO-PI-R_M	2.26	0.22	9.97	<b>&lt;0.001</b>	-0.54	0.19	-2.84	<b>0.005</b>
RSQ_Independence	0.12	0.16	0.77	0.441	-0.83	0.14	-5.66	<b>&lt;0.001</b>
RSQ_Dependence	-1.17	0.18	-6.43	<b>&lt;0.001</b>	-0.25	0.17	-1.47	0.140
RSQ_LackofTrust	0.89	0.24	3.66	<b>&lt;0.001</b>	-0.67	0.19	-3.53	<b>&lt;0.001</b>
RSQ_Anxiety	-1.19	0.17	-6.89	<b>&lt;0.001</b>	0.07	0.16	0.44	0.657
RSQ_Desire4Intimacy	-0.79	0.13	-5.70	<b>&lt;0.001</b>	-0.38	0.12	-3.20	<b>&lt;0.001</b>
RSQ_Avoidance	-0.59	0.22	-2.66	<b>0.008</b>	-0.70	0.22	-3.10	<b>0.002</b>
Self-reported Trust	-0.28	0.02	-11.85	<b>&lt;0.001</b>	0.27	0.02	9.66	<b>&lt;0.001</b>
ITSQ	-0.23	0.16	-1.38	0.165	-0.59	0.13	-4.42	<b>&lt;0.001</b>
Trustworthiness rating	-0.14	0.06	-2.22	<b>0.026</b>	0.45	0.05	7.85	<b>&lt;0.001</b>
Attractiveness rating	0.06	0.05	1.11	0.263	0.10	0.05	1.91	0.056
Expected return	-4.14	0.46	-8.90	<b>&lt;0.001</b>	2.44	0.48	5.04	<b>&lt;0.001</b>
<i>R Square</i>			0.343				0.385	
<i>F change</i>			34.788				64.073	
<i>Sig. F change</i>			<0.001				<0.001	

*Note.* The bold numbers indicate significant differences.

Trust\_WVS, trust measured by the world value survey question; PIFT, pay-it-forward tendency; SVO, social value orientation; IRI, Interpersonal Reactivity Index; PRNR, positive reciprocity and negative reciprocity; PNR\_BR, Personal Norm of Reciprocity, subscale of Belief In Reciprocity; PNR\_PR, Personal Norm of Reciprocity, subscale of positive reciprocity; PNR\_NR, Personal Norm of Reciprocity, subscale of negative

reciprocity; NEO-PI-R, Revised NEO Personality Inventory, subscale of trust; RSQ, Relationship Scales Questionnaires; ITSQ, interpersonal trust scenario questionnaire.

Predictors in Model 1 included Constant, Subjects, Gender, and self-reported traits; Predictors in Model 2 included Constant, Subjects, Gender, self-reported traits, trustworthiness rating, attractive rating, and expected percentage of return.

**Table S4.** Descriptive ( $M$  [ $SD$ ]) and  $t$ -test results on expected percentage of return in the trust game (TG) and distrust game (DTG) groups.

Trust Levels	DTG group (n=59)	TG group (n=58)	$t$ value	$p$ -value	Cohen's $d$
Trust 0	13 (18)	0 (5)	2.62	<b>0.015</b>	0.93
Trust 1	9 (11)	14 (13)	-1.24	0.222	-0.44
Trust 2	28 (18)	24 (8)	0.84	0.406	0.26
Trust 3	26 (15)	29 (8)	-0.86	0.394	-0.22
Trust 4	31 (13)	34 (10)	-1.01	0.313	-0.22
Trust 5	32 (13)	38(8)	-2.56	<b>0.012</b>	-0.54
Trust 6	35 (13)	43(10)	-3.20	<b>0.002</b>	-0.68
Trust 7	37 (12)	50 (11)	-4.49	<b>&lt;0.001</b>	-1.08
Trust 8	40 (14)	49 (16)	-2.26	<b>0.029</b>	-0.65
Trust 9	43 (12)	49 (09)	-1.71	0.098	-0.55
Trust 10	49 (8)	51 (12)	-0.58	0.560	-0.17

*Note.* The bold numbers indicate significant differences.

**Table S5.** Repeated-measures Analysis of Covariance (ANCOVA) on the percentage of return.

Source	<i>Sum of Squares</i>	<i>df</i>	<i>F</i>	<i>p</i>	$\eta_p^2$
Partner	0.001	1	0.168	0.682	0.002
Partner * Gender	0.001	1	0.184	0.669	0.002
Partner * Distrust Scale	0.004	1	0.820	0.367	0.008
Partner * PNR_PR	0.011	1	2.028	0.157	0.019
Partner * RSQ_Desire For Intimacy	0.003	1	0.545	0.462	0.005
Partner * Trust_com	0.003	1	0.582	0.447	0.005
Partner * Trust_human	0.004	1	0.755	0.387	0.007
Partner * Game	0.002	1	0.419	0.519	0.004
Error(Partner)	0.557	106			
Gender	0.001	1	0.037	0.848	0.000
Distrust Scale	<0.001	1	0.001	0.971	0.000
PNR_PR	0.001	1	0.091	0.763	0.001
RSQ_Desire For Intimacy	0.034	1	2.086	0.152	0.019
Trust_computer	0.012	1	0.720	0.398	0.007
Trust_human	0.012	1	0.763	0.384	0.007
Game	0.174	1	10.624	<b>0.002</b>	0.091
Error	1.733	106			

*Note.* The bold numbers indicate significant differences.

PNR\_PR, Personal Norm of Reciprocity Scale, positive reciprocity; RSQ,



## Relationship Scales Questionnaires.

**Table S6.** Repeated-measures Analysis of Covariance (ANCOVA) on the response time of making reciprocity decisions.

Source	<i>Sum of Squares</i>	<i>df</i>	<i>F</i>	<i>p</i>	$\eta_p^2$
Partner	19855133.87	1	3.105	0.081	0.028
Partner * Gender	1479416.36	1	0.231	0.632	0.002
Partner * Distrust Scale	5302389.34	1	0.829	0.365	0.008
Partner * PNR_PR	115298.07	1	0.018	0.893	0.000
Partner * RSQ_Desire For Intimacy	10632610.2	1	1.663	0.200	0.015
Partner * Trust_com	3441114.05	1	0.538	0.465	0.005
Partner * Trust_human	141506.40	1	0.022	0.882	0.000
Partner * Game	5030318.97	1	0.787	0.377	0.007
Error(Partner)	677860293.2	106			
Gender	57419011.61	1	2.211	0.140	0.020
Distrust Scale	5928194.27	1	0.228	0.634	0.002
PNR_PR	1388209.39	1	0.053	0.818	0.001
RSQ_Desire For Intimacy	2075352.07	1	0.080	0.778	0.001
Trust_computer	63666429.44	1	2.452	0.120	0.023
Trust_human	120779049.7	1	4.652	<b>0.033</b>	0.042
Game	208020451.1	1	8.012	<b>0.006</b>	0.070
Error	2752281352	106			

*Note.* The bold numbers indicate significant differences.

PNR\_PR, Personal Norm of Reciprocity Scale, positive reciprocity; RSQ, Relationship Scales Questionnaires.

**Table S7.** Descriptive ( $M$  [ $SD$ ]) and  $t$ -test results on the percentage returned for computer and human partners upon each trust level in the trust game (TG) and distrust game (DTG) groups.

Trust Levels	DTG group ( $n = 59$ )	TG group ( $n = 58$ )	$t$ value	$p$ -value	Cohen's $d$
Computer partners					
Trust 0	5 (17)	1 (8)	1.55	0.124	0.30
Trust 1	5 (8)	7 (8)	-1.27	0.204	-0.24
Trust 2	8 (10)	12 (12)	-1.92	0.057	-0.36
Trust 3	10 (12)	17 (14)	-2.77	<b>0.007</b>	-0.51
Trust 4	14 (12)	22 (14)	-3.07	<b>0.003</b>	-0.58
Trust 5	16 (14)	26 (15)	-3.61	<b>0.000</b>	-0.67
Trust 6	20 (15)	30 (16)	-3.38	<b>0.001</b>	-0.63
Trust 7	25 (17)	32 (17)	-2.27	<b>0.025</b>	-0.42
Trust 8	28 (18)	32 (19)	-1.29	0.197	-0.24
Trust 9	28 (20)	36 (19)	-2.28	<b>0.024</b>	-0.42
Trust 10	36 (21)	40 (19)	-1.16	0.245	-0.21
Human partners					
Trust 0	2 (10)	0 (00)	1.56	0.124	0.33
Trust 1	10 (16)	9 (8)	0.17	0.863	0.05
Trust 2	11 (11)	15 (8)	-2.20	<b>0.031</b>	-0.47
Trust 3	14 (13)	23 (9)	-4.41	<b>0.000</b>	-0.83

Trust 4	19 (14)	28 (9)	-4.39	<b>0.000</b>	-0.82
Trust 5	24 (14)	35 (9)	-4.92	<b>0.000</b>	-0.92
Trust 6	26 (12)	37 (9)	-5.33	<b>0.000</b>	-1.00
Trust 7	31 (13)	36 (15)	-2.15	<b>0.033</b>	-0.40
Trust 8	32 (16)	38 (17)	-1.82	0.071	-0.34
Trust 9	39 (14)	42 (15)	-0.91	0.363	-0.217
Trust 10	47 (14)	48 (10)	-0.34	0.728	-0.065

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*Note.* The bold numbers indicate significant differences.