

Online Supplement

Table S1 Archetypal SVOs. Adapted from Murphy and Ackerman (2014).

Archetypal Social Value Orientations					
Self	Other	Orientation	Inferred Motivation	Weight on one's own outcome	Weight on other's outcome
25.6	25.6	Prosocial	Maximize the joint payoff / minimize the difference between payoffs	1	1
30	15	Individualistic	Maximize the payoff to oneself	1	0
25.6	4.4	Competitive	Maximize the positive difference between the payoff for oneself and the payoff for the other	1	-1
15	0	Sadistic	Minimize the other's payoff	0	-1
4.4	4.4	Sadomasochistic	Minimize the joint payoff or minimize the difference between payoffs	-1	-1
0	15	Masochistic	Minimize the payoff to oneself	-1	0
4.4	25.6	Martyr	Maximize the negative difference between the other's payoff and the payoff for oneself	-1	1
15	30	Altruistic	Maximize the other's payoff	0	1

Table S2 List of questions asked to participants to obtain a measure of their Social Value Orientation. Questions were asked in random order.

Question		Self	Other	Question		Self	Other
1.	A	15	30	13.	A	15	0
	B	18.9	29.5		B	11.1	0.5
2.	A	18.9	29.5	14.	A	11.1	0.5
	B	22.5	28		B	7.5	2
3.	A	22.5	28	15.	A	7.5	2
	B	25.6	25.6		B	4.4	4.4
4.	A	25.6	25.6	16.	A	4.4	4.4
	B	28	22.5		B	2	7.5
5.	A	28	22.5	17.	A	2	7.5
	B	29.5	18.9		B	0.5	11.1
6.	A	29.5	18.9	18.	A	0.5	11.1
	B	30	15		B	0	15
7.	A	30	15	19.	A	0	15
	B	29.5	11.1		B	0.5	18.9
8.	A	29.5	11.1	20.	A	0.5	18.9
	B	28	7.5		B	2	22.5
9.	A	28	7.5	21.	A	2	22.5
	B	25.6	4.4		B	4.4	25.6
10.	A	25.6	4.4	22.	A	4.4	25.6
	B	22.5	2		B	7.5	28
11.	A	22.5	2	23.	A	7.5	28
	B	18.9	0.5		B	11.1	29.5
12.	A	18.9	0.5	24.	A	11.1	29.5
	B	15	0		B	15	30

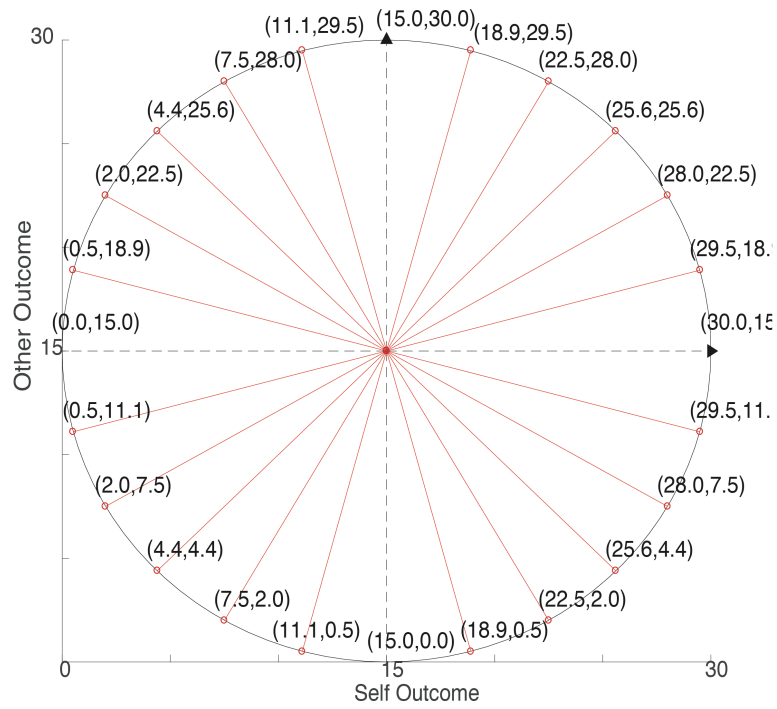


Figure S1. SVO-angles.

	Left Hemisphere			Right Hemisphere		
Parcel ID	SVO	Ws	Wo	SVO	Ws	Wo
1	1.61 e-4 (0.0004)	-0.14 (0.12)	-0.01 (0.07)	-0.749 e-4 (0.0005)	0.25 (0.13)	0.05 (0.07)
2	-4.5 e-4 (0.0003)	-0.10 (0.10)	-0.10 (0.06)	-9.50 e-4† (0.0003)	0.04 (0.10)	-0.14† (0.05)
3	-6.23 e-4 (0.0003)	0.01 (0.09)	-0.10 (0.05)	-8.27 e-4† (0.0004)	-0.03 (0.11)	-0.15† (0.06)
4	1.77 e-4 (0.0005)	0.08 (0.14)	0.03 (0.08)	2.90 e-4 (0.0004)	-0.15 (0.12)	0.01 (0.07)
5	2.43 e-4 (0.0004)	-0.12 (0.10)	0.02 (0.06)	4.29 e-4 (0.0003)	-0.12 (0.10)	0.05 (0.05)
6	1.95 e-4 (0.0003)	0.0004 (0.10)	0.02 (0.05)	2.53 e-4 (0.0003)	-0.05 (0.09)	0.02 (0.05)
7	1.23 e-4 (0.0003)	-0.08 (0.09)	-0.01 (0.05)	-3.38 e-4 (0.0004)	0.0008 (0.11)	-0.06 (0.06)
8	-3.98 e-4 (0.0005)	0.18 (0.06)	-0.01 (0.09)	4.55 e-4 (0.0006)	0.19 (0.16)	0.15 (0.09)
9	3.10 e-4 (0.0003)	0.07 (0.09)	0.06 (0.05)	4.45 e-4 (0.0003)	0.02 (0.10)	0.09 (0.05)
10	0.41 e-4 (0.0002)	-0.01 (0.06)	0.01 (0.03)	3.60 e-4 (0.0002)	-0.04 (0.07)	0.05 (0.04)
11	0.51 e-4 (0.0003)	0.03 (0.08)	0.01 (0.05)	-0.199 e-4 (0.0003)	0.02 (0.08)	0.01 (0.04)
12	3.55 e-4 (0.0003)	0.05 (0.10)	0.05 (0.06)	-6.91 e-4 (0.0003)	0.12† (0.10)	-0.10 (0.06)
13	-2.68 e-4 (0.0003)	-0.04 (0.09)	-0.05 (0.05)	1.47 e-4 (0.0003)	0.02 (0.14)	0.02 (0.05)
14	5.10 e-4 (0.0004)	0.14 (0.12)	0.08 (0.07)	4.84 e-4 (0.0005)	0.02 (0.32)	0.05 (0.08)
15	-13.0 e-4 (0.001)	0.08 (0.34)	-0.14 (0.19)	3.11 e-4 (0.0011)	-0.51 (0.32)	-0.07 (0.18)
16	-1.87 e-4 (0.0003)	-0.02 (0.07)	-0.05 (0.04)	-3.40 e-4 (0.0002)	-0.05 (0.07)	-0.06 (0.04)
17	-3.66 e-4 (0.0005)	-0.01 (0.14)	-0.05 (0.08)	6.01 e-4 (0.0005)	-0.004 (0.15)	0.13 (0.08)
18	-3.08 e-4 (0.0002)	-0.04 (0.08)	-0.05 (0.04)	1.63 e-4 (0.0003)	-0.03 (0.08)	0.03 (0.04)
19	3.79 e-4 (0.0004)	-0.11 (0.10)	0.04 (0.06)	0.758 e-4 (0.0003)	0.04 (0.08)	0.02 (0.05)
20	-1.27 e-4 (0.0002)	-0.01 (0.06)	-0.01 (0.04)	3.30 e-4 (0.0002)	-0.01 (0.07)	0.06 (0.04)
21	1.94 e-4 (0.0007)	0.0014 (0.20)	0.02 (0.11)	-8.70 e-4 (0.0006)	0.23 (0.17)	-0.09 (0.10)
22	1.69 e-4** (0.0005)	-0.08 (0.15)	0.26* (0.08)	8.77 e-4† (0.0004)	-0.08 (0.12)	0.13 (0.07)
23	3.95 e-4 (0.0004)	0.08 (0.12)	0.07 (0.07)	-2.30 e-4 (0.0004)	0.03 (0.11)	-0.03 (0.06)
24	-5.33 e-4 (0.0008)	-0.24 (0.22)	-0.15 (0.12)	-1.28 e-4 (0.0007)	-0.17 (0.20)	-0.06 (0.11)
25	-2.71 e-4 (0.0003)	-0.09 (0.09)	-0.05 (0.05)	0.281 e-4 (0.0003)	0.01 (0.09)	0.02 (0.05)
26	1.37 e-4 (0.0003)	0.12 (0.09)	0.06 (0.05)	-0.240 e-4 (0.0003)	0.24† (0.09)	0.05 (0.05)

27	-12.8 e-4 (0.0008)	-0.26 (0.24)	-0.24 (0.14)	2.21 e-4 (0.0011)	-0.23 (0.31)	-0.03 (0.18)
28	1.82 e-4 (0.0003)	-0.03 (0.08)	0.02 (0.04)	3.39 e-4 (0.0003)	-0.05 (0.07)	0.05 (0.04)
29	70.4 e-4 (0.0003)	0.06 (0.09)	0.01 (0.05)	3.62 e-4 (0.0004)	-0.17 (0.11)	-0.004 (0.06)
30	-9.25 e-4 (0.0008)	0.13 (0.22)	-0.12 (0.13)	4.11 e-4 (0.0008)	0.20 (0.22)	0.13 (0.12)
31	1.86 e-4 (0.0006)	-0.03 (0.17)	-0.02 (0.10)	1.18 e-4 (0.0007)	0.08 (0.21)	0.16 (0.12)
32	2.18 e-4 (0.0005)	-0.01 (0.16)	0.02 (0.09)	3.46 e-4 (0.0005)	0.14 (0.14)	0.07 (0.08)
33	3.22 e-4 (0.0003)	-0.06 (0.09)	0.02 (0.05)	-1.67 e-4 (0.0003)	0.03 (0.08)	-0.04 (0.04)
34	-0.031 e-4 (0.0003)	-0.09 (0.08)	-0.03 (0.05)	1.22 e-4 (0.0003)	-0.10 (0.08)	-0.01 (0.05)
35	0.448 e-4 (0.0003)	0.04 (0.08)	0.01 (0.04)	-0.457 e-4 (0.0003)	0.005 (0.09)	0.0006 (0.05)
36	-1.69 e-4 (0.0003)	-0.05 (0.09)	-0.04 (0.05)	1.58 e-4 (0.0004)	-0.08 (0.10)	0.01 (0.06)
37	-4.56 e-4 (0.0003)	0.09 (0.08)	-0.07 (0.04)	-3.36 e-4 (0.0003)	-0.02 (0.07)	-0.06 (0.04)
38	5.17 e-4 (0.0003)	-0.01 (0.09)	0.06 (0.05)	-1.78 e-4 (0.0003)	0.06 (0.08)	-0.01 (0.04)
39	1.28 e-4 (0.0005)	-0.09 (0.13)	0.02 (0.07)	6.17 e-4 (0.0005)	-0.17 (0.14)	0.07 (0.08)
40	16.3 e-4† (0.0008)	-0.27 (0.23)	0.18 (0.13)	1.60 e-4 (0.0005)	0.06 (0.14)	0.05 (0.08)
41	0.785 e-4 (0.0002)	-0.01 (0.06)	0.01 (0.04)	-2.12 e-4 (0.0002)	0.03 (0.07)	-0.02 (0.04)
42	1.50 e-4 (0.0003)	0.10 (0.10)	0.04 (0.06)	-2.38 e-4 (0.0003)	0.12 (0.09)	-0.01 (0.05)
43	2.83 e-4 (0.0002)	-0.06 (0.06)	0.02 (0.04)	-2.47 e-4 (0.0003)	-0.06 (0.08)	-0.04 (0.04)
44	1.75 e-4 (0.0003)	0.05 (0.09)	0.04 (0.05)	-1.93 e-4 (0.0003)	0.11 (0.09)	-0.002 (0.05)
45	-4.09 e-4 (0.0005)	0.03 (0.15)	-0.06 (0.09)	-5.46 e-4 (0.0005)	-0.12 (0.14)	-0.11 (0.08)
46	-4.83 e-4 (0.0004)	-0.02 (0.11)	-0.07 (0.06)	1.23 e-4 (0.0004)	-0.11 (0.10)	0.001 (0.06)
47	9.07 e-4 (0.0007)	-0.10 (0.20)	0.14 (0.11)	11.8 e-4 (0.0006)	-0.23 (0.19)	0.13 (0.10)
48	-3.05 e-4 (0.0004)	0.03 (0.11)	-0.05 (0.06)	-6.21 e-4 (0.0004)	-0.14 (0.12)	-0.13 (0.07)
49	0.788 e-4 (0.0003)	-0.16 (0.10)	-0.01 (0.05)	2.39 e-4 (0.0003)	-0.10 (0.10)	0.02 (0.05)
50	0.353 e-4 (0.0003)	0.11 (0.09)	0.03 (0.05)	-0.582 e-4 (0.0003)	0.01 (0.10)	-0.01 (0.06)
51	3.52 e-4 (0.0007)	-0.17 (0.21)	0.01 (0.12)	2.66 e-4 (0.0005)	-0.15 (0.14)	0.03 (0.08)
52	-2.28 e-4 (0.0006)	-0.18 (0.18)	-0.06 (0.10)	-1.76 e-4 (0.0008)	0.18 (0.22)	0.02 (0.12)
53	3.47 e-4 (0.0003)	-0.05 (0.09)	0.06 (0.05)	4.29 e-4 (0.0003)	0.01 (0.08)	0.07 (0.05)
54	3.75 e-4	0.08	0.10	2.07 e-4	0.07	0.06

	(0.0005)	(0.14)	(0.08)	(0.0005)	(0.14)	(0.08)
55	5.08 e-4 (0.0003)	-0.05 (0.08)	0.07 (0.05)	6.16 e-4† (0.0003)	0.03 (0.09)	0.09 (0.05)
56	6.34 e-4 (0.0006)	0.10 (0.17)	0.13 (0.10)	9.06 e-4 (0.0006)	0.10 (0.16)	0.17 (0.09)
57	-5.56 e-4 (0.0005)	0.07 (0.14)	-0.08 (0.08)	-11.4 e-4† (0.0005)	0.27 (0.15)	-0.13 (0.08)
58	-2.38 e-4 (0.0004)	0.09 (0.11)	0.01 (0.06)	4.92 e-4 (0.0004)	-0.30† (0.12)	0.05 (0.07)
59	1.30 e-4 (0.0003)	-0.04 (0.09)	0.02 (0.05)	0.612 e-4 (0.0003)	-0.10 (0.10)	0.0004 (0.06)
60	3.34 e-4 (0.0003)	-0.10 (0.10)	0.05 (0.05)	4.54 e-4 (0.0004)	0.11 (0.10)	0.11 (0.06)
61	-1.15 e-4 (0.0002)	0.06 (0.06)	0.01 (0.03)	-0.854 e-4 (0.0002)	-0.02 (0.06)	-0.02 (0.03)
62	-8.47 e-4 (0.0007)	0.27 (0.19)	-0.08 (0.11)	5.76 e-4 (0.0006)	-0.20 (0.17)	0.05 (0.10)
63	-5.69 e-4 (0.0003)	-0.13 (0.10)	-0.12† (0.06)	-2.56 e-4 (0.0004)	-0.05 (0.11)	-0.04 (0.06)
64	-3.09 e-4 (0.0003)	-0.17 (0.10)	-0.08 (0.06)	-4.71 e-4 (0.0003)	0.20† (0.09)	-0.04 (0.05)
65	-2.24 e-4 (0.0003)	0.07 (0.08)	-0.03 (0.05)	-3.84 e-4 (0.0003)	0.04 (0.07)	-0.05 (0.04)
66	-1.73 e-4 (0.0004)	0.02 (0.11)	-0.03 (0.06)	-3.59 e-4 (0.0004)	0.003 (0.10)	-0.07 (0.06)
67	1.74 e-4 (0.0003)	-0.03 (0.09)	0.02 (0.05)	2.93 e-4 (0.0003)	0.09 (0.09)	0.07 (0.05)
68	1.23 e-4 (0.0003)	-0.01 (0.09)	0.02 (0.05)	0.360 e-4 (0.0003)	-0.13 (0.09)	-0.02 (0.05)
69	8.93 e-4 (0.0006)	-0.04 (0.17)	0.14 (0.10)	-2.56 e-4 (0.0006)	-0.11 (0.17)	-0.07 (0.09)
70	-6.58 e-4 (0.0004)	0.01 (0.10)	-0.11 (0.06)	-2.90 e-4 (0.0003)	-0.05 (0.08)	-0.07 (0.05)
71	2.77 e-4 (0.0003)	0.07 (0.10)	0.07 (0.05)	2.89 e-4 (0.0003)	-0.10 (0.10)	0.01 (0.06)
72	-2.77 e-4 (0.0003)	0.16 (0.10)	-0.01 (0.05)	-2.28 e-4 (0.0004)	0.22 (0.11)	0.02 (0.06)
73	-3.53 e-4 (0.0003)	0.14 (0.09)	0.00 (0.05)	-3.21 e-4 (0.0003)	-0.02 (0.09)	-0.06 (0.05)
74	2.64 e-4 (0.0004)	-0.08 (0.11)	0.03 (0.06)	-1.18 e-4 (0.0004)	-0.03 (0.10)	-0.01 (0.06)