

Supporting Information

Sui et al. 10.1073/pnas.1221862110

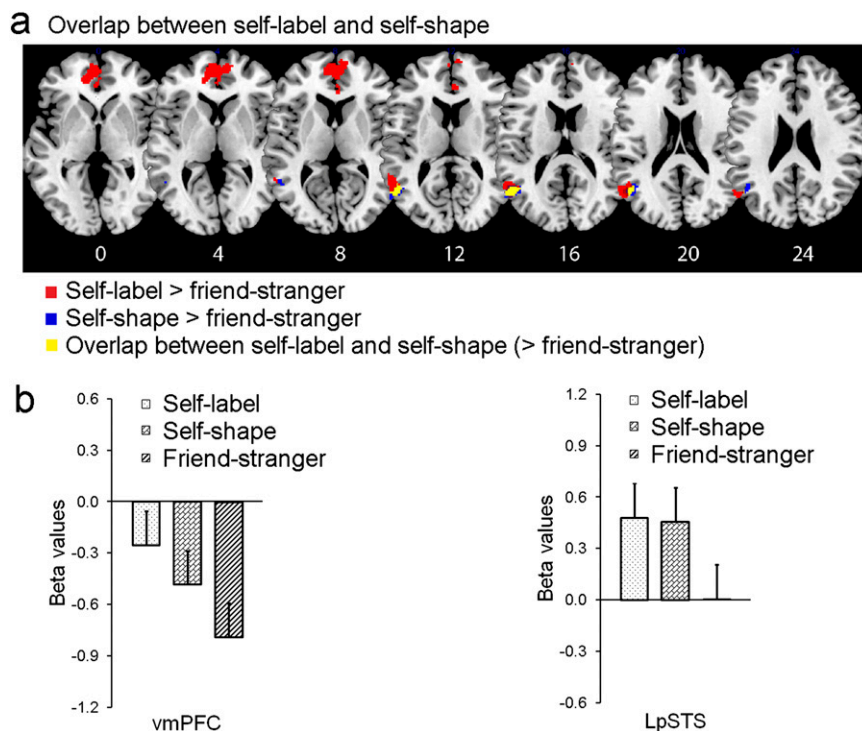


Fig. S1. Functional magnetic resonance imaging (fMRI) data for shape-label nonmatching pairs masked by self > stranger comparison for matched trials. (A) Self-label > friend-stranger in the ventral medial prefrontal cortex (vmPFC) and left posterior superior temporal sulcus (LpSTS), and self-shape > friend-stranger in the LpSTS. (B) Beta values of brain responses in the vmPFC and LpSTS. Error bars represent one SE.

Table S1. Brain regions linked to the shape-label associations at $P < 0.005$ uncorrected the whole brain and an extent threshold of >70 voxels

Contrast	Region	K	Anatomy	BA	Z	MNI		
						x	y	z
Matched self > stranger	Frontal	77	vmPFC	10	3.06	-6	54	4
	Temporal	337	LpSTS	37	3.98	-58	-62	14
Matched self < stranger	Frontal	1,138*	L DLPFC	6	4.66	-28	-2	64
		1,599*	R DLPFC	6	4.31	24	-10	62
		808*	R SMA	32	4.94*	4	12	50
		258*	L MFC	44	3.53	-46	22	42
		75	L precentral	4	3.12	-40	-16	58
	Parietal	344*	L IPL/IPC	40	3.43	-38	-46	50
		301*	R IPL/IPC	40	4.26	42	-50	46
		457*	R precuneus	7	3.66	8	-62	52
	Occipital	292*	R cuneus	17	4.03	10	-100	6
	Subcortical	831*	L putamen	48	4.83*	-24	20	0
		659*	L caudate	—	4.20	-20	-18	22
		182	R caudate	—	3.47	24	-16	24
		230	R putamen	48	3.98	32	12	2
		110	R hippocampus	—	3.96	28	-32	2
	161	R cingulum	—	3.28	16	-22	40	
Nonmatching based on self-label > friend-stranger	Frontal	623*	vmPFC	10	4.34	8	58	8
	Temporal	308	LpSTS	37	3.79	-52	-62	16
Nonmatching based on self-shape > friend-stranger	Temporal	204	LpSTS	37	3.88	52	64	16

BA, Brodmann area; DLPFC, dorsal-lateral prefrontal cortex; FA, fusiform area; IPC, inferior parietal cortex; K, the size of voxels; L, left; LpSTS, left posterior superior temporal sulcus; MFC, middle frontal cortex; MNI, Montreal Neurological Institute coordinates; MOC, middle occipital cortex; R, right; SMA, supplementary motor area; vmPFC, ventral medial prefrontal cortex.

* $P < 0.05$ for FWE-correction.