Figure 1 (Width: 3.5 inches; 1200 DPI)
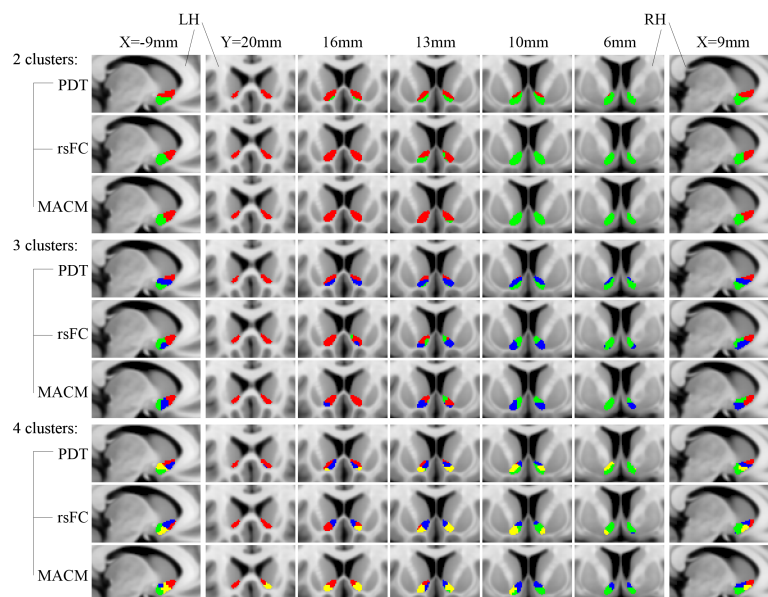

Figure 2 (Width: 6.5 inches; 600 DPI)
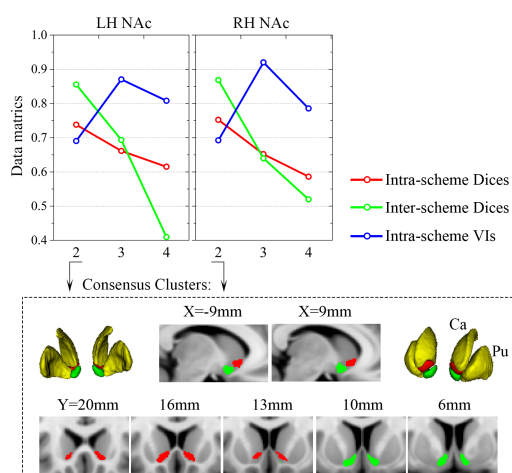

Figure 3 (Width: 3.5 inches; 600 DPI)
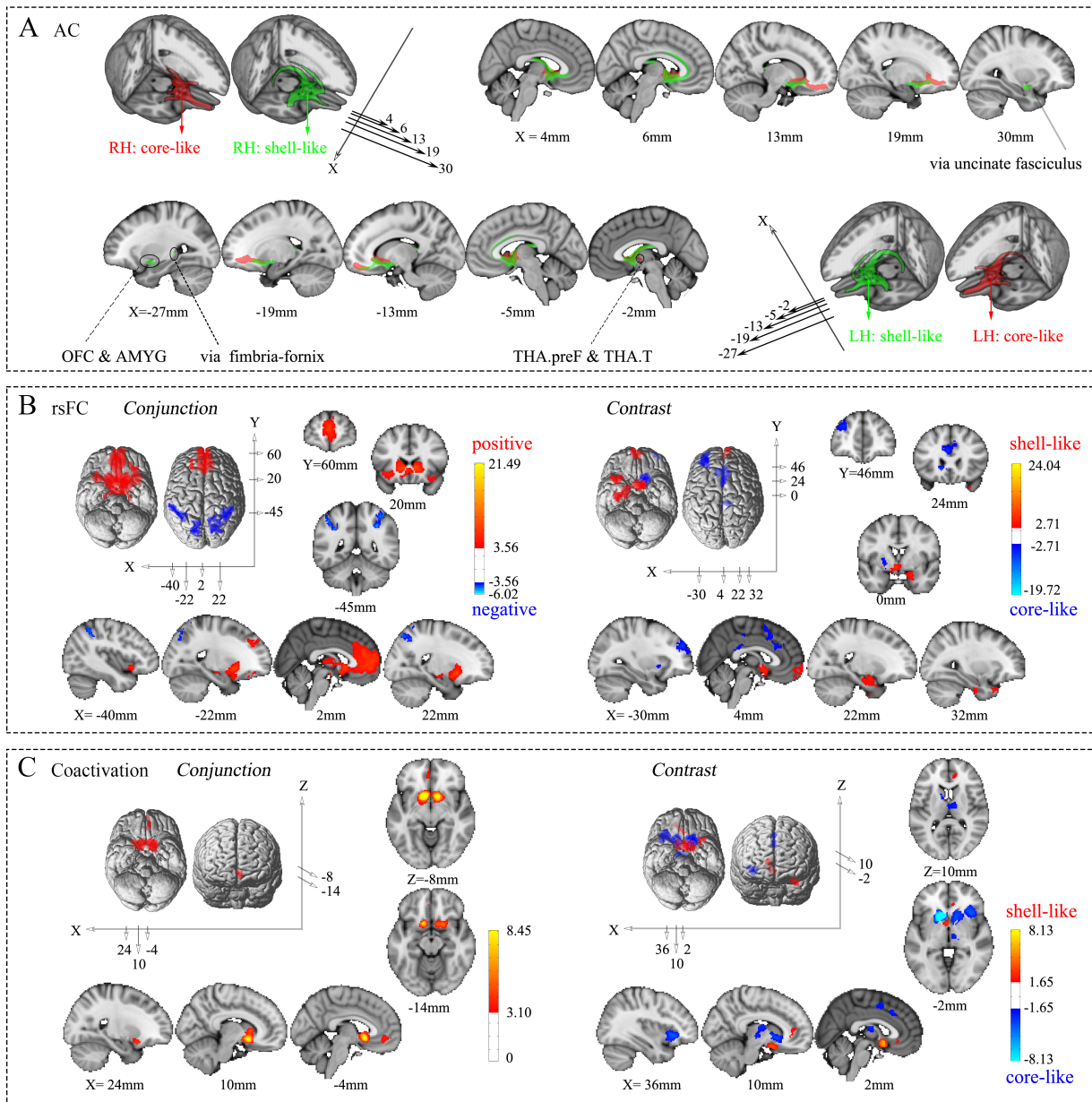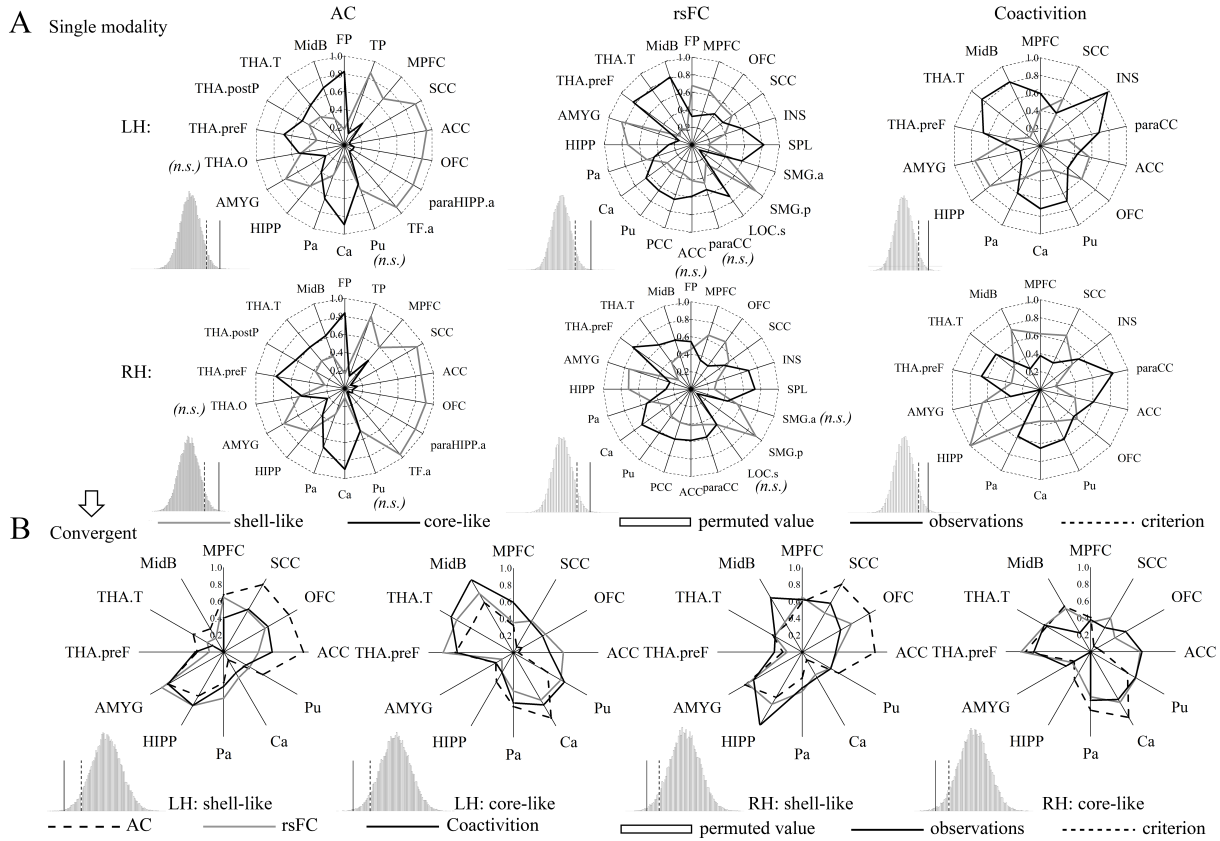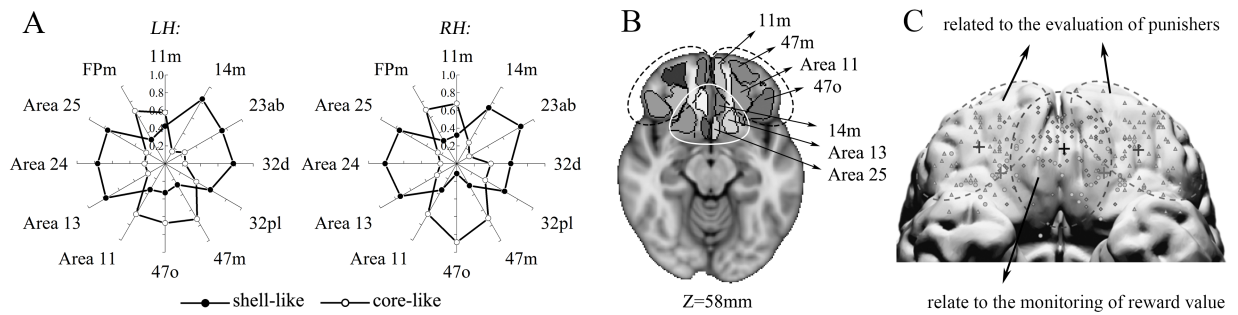
A AC

RH: core-like   RH: shell-like

X = 4mm   6mm   13mm   19mm   30mm

via uncinate fasciculus

X=-27mm   -19mm   -13mm   -5mm   -2mm

OFC & AMYG   via fimbria-fornix   THA.preF & THA.T

LH: shell-like   LH: core-like

B rsFC   *Conjunction*   *Contrast*

Y=60mm   20mm   -45mm

positive
21.49
3.56
-3.56
-6.02
negative

X= -40mm   -22mm   2mm   22mm

Y=46mm   24mm   0mm

shell-like
24.04
2.71
-2.71
-19.72
core-like

X= -30mm   4mm   22mm   32mm

C Coactivation   *Conjunction*   *Contrast*

Z=-8mm   -14mm

8.45
3.10
0

X= 24mm   10mm   -4mm

Z=10mm   -2mm

shell-like
8.13
1.65
-1.65
-8.13
core-like

X= 36mm   10mm   2mm

Figure 4 (Width: 6.5 inches; 600 DPI)

A Single modality

LH:

AC — rsFC — Coactivition

RH:

B Convergent

LH: shell-like — LH: core-like — RH: shell-like — RH: core-like

— shell-like — core-like — permuted value — observations ······ criterion

- - - AC — rsFC — Coactivition — permuted value — observations ······ criterion

Figure 5 (Width: 6.5 inches; 1200 DPI)

A

LH:

RH:

B

11m
47m
Area 11
47o
14m
Area 13
Area 25

Z=58mm

C related to the evaluation of punishers

relate to the monitoring of reward value

—●— shell-like —○— core-like

Figure 6 (Width: 6.5 inches; 600 DPI)

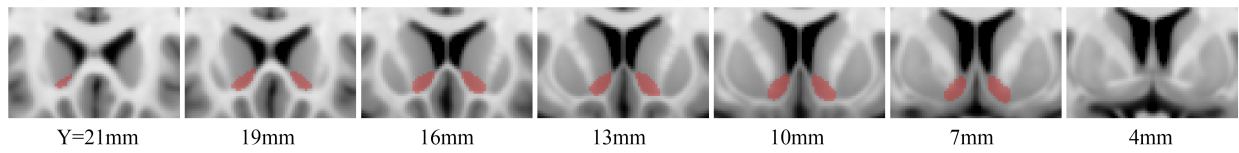Y=21mm   19mm   16mm   13mm   10mm   7mm   4mm
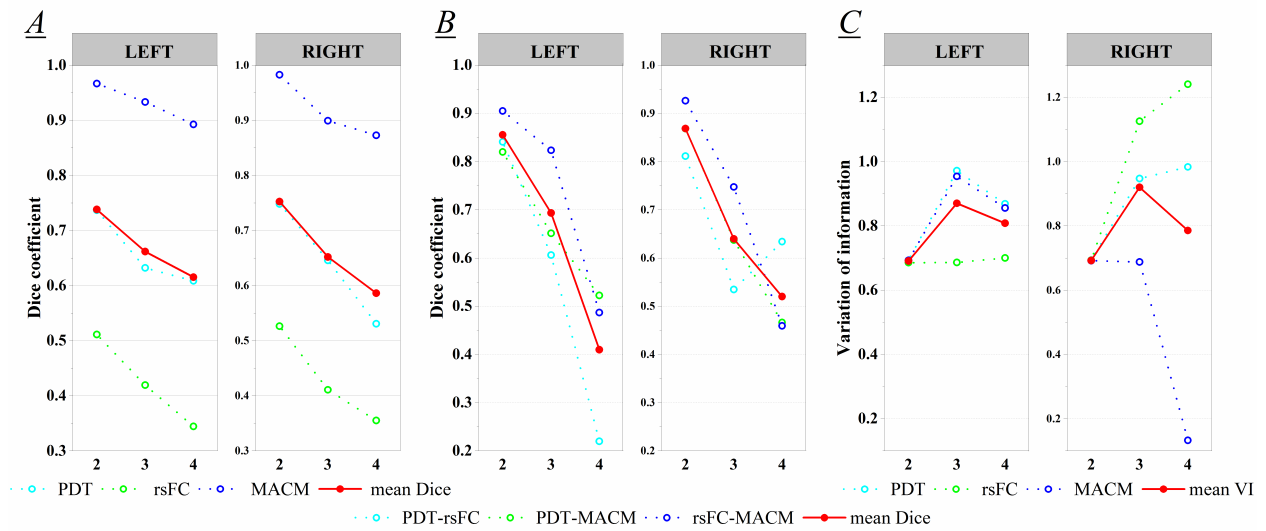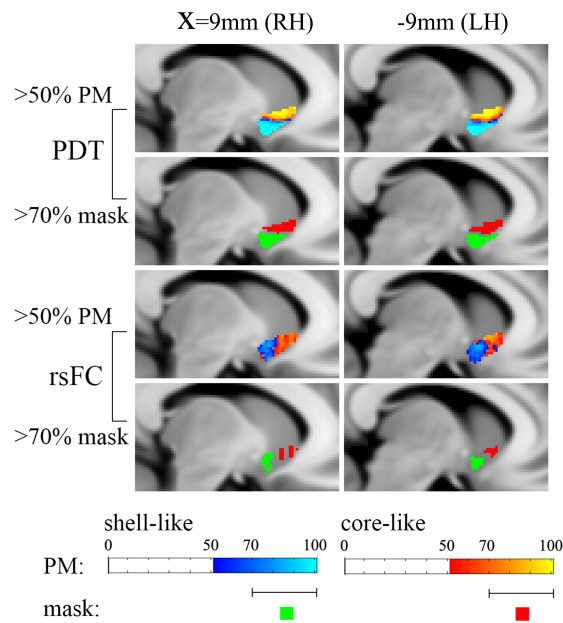
Figure S1 (Width: 6.5 inches; 600 DPI)

Figure S2 (Width: 6.5 inches; 1200 DPI)

Figure S3 (Width: 6.5 inches; 600 DPI)
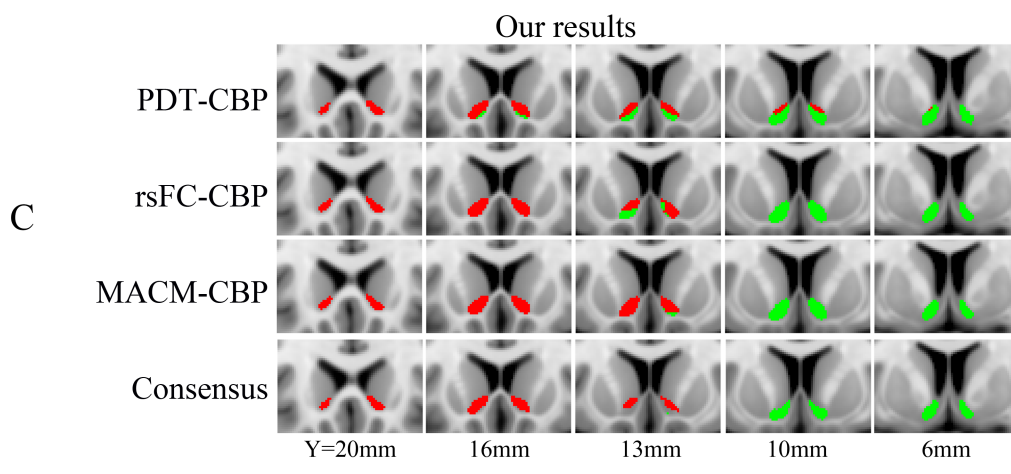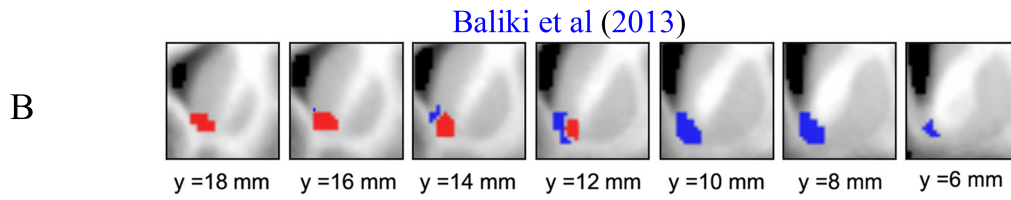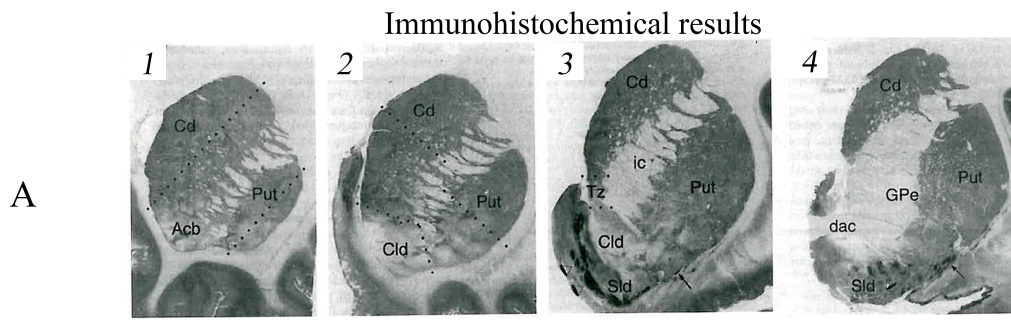
Immunohistochemical results

Our results

Figure S4 (Width: 6.5 inches; 600 DPI)
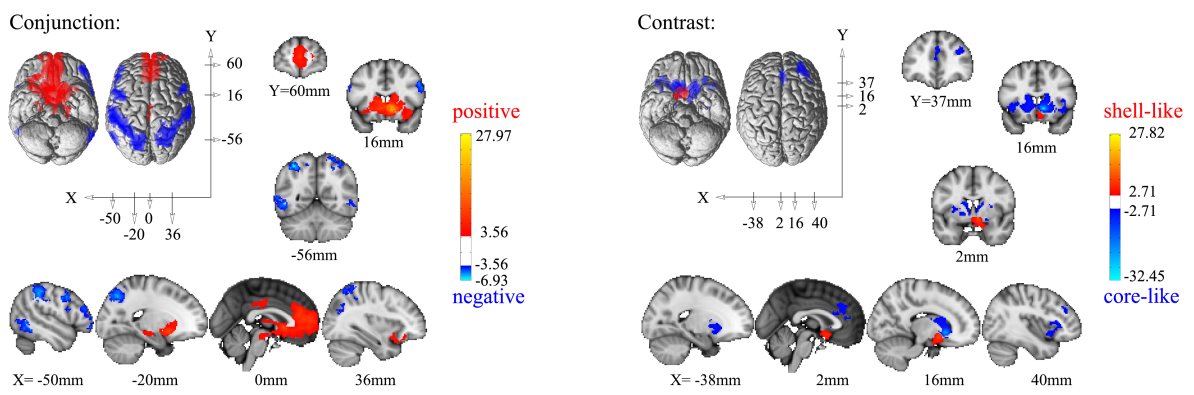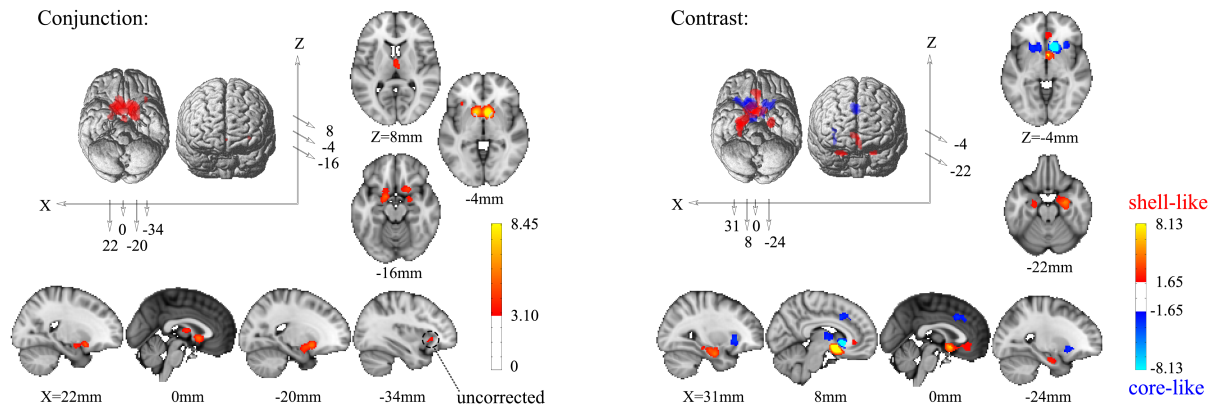

Figure S5 (Width: 6.5 inches; 600 DPI)

Conjunction:

Contrast:

shell-like

core-like

uncorrected

Figure S6 (Width: 6.5 inches; 600 DPI)

Between hemispheres:

AC; (LH & RH); shell-like

AC; (LH & RH); core-like

rsFC; (LH & RH); shell-like

rsFC; (LH & RH); core-like

META; (LH & RH); shell-like

META; (LH & RH); core-like

Between two NAc subregions:

AC; LH; (shell-like & core-like)

AC; RH; (shell-like & core-like)

rsFC; LH (shell-like & core-like)

rsFC; RH; (shell-like & core-like)

META; LH (shell-like & core-like)

META; RH; (shell-like & core-like)

Across modalities:

Permuted value
Observations
Criterion

(AC & rsFC & META); LH; shell-like

(AC & rsFC & META); LH; core-like
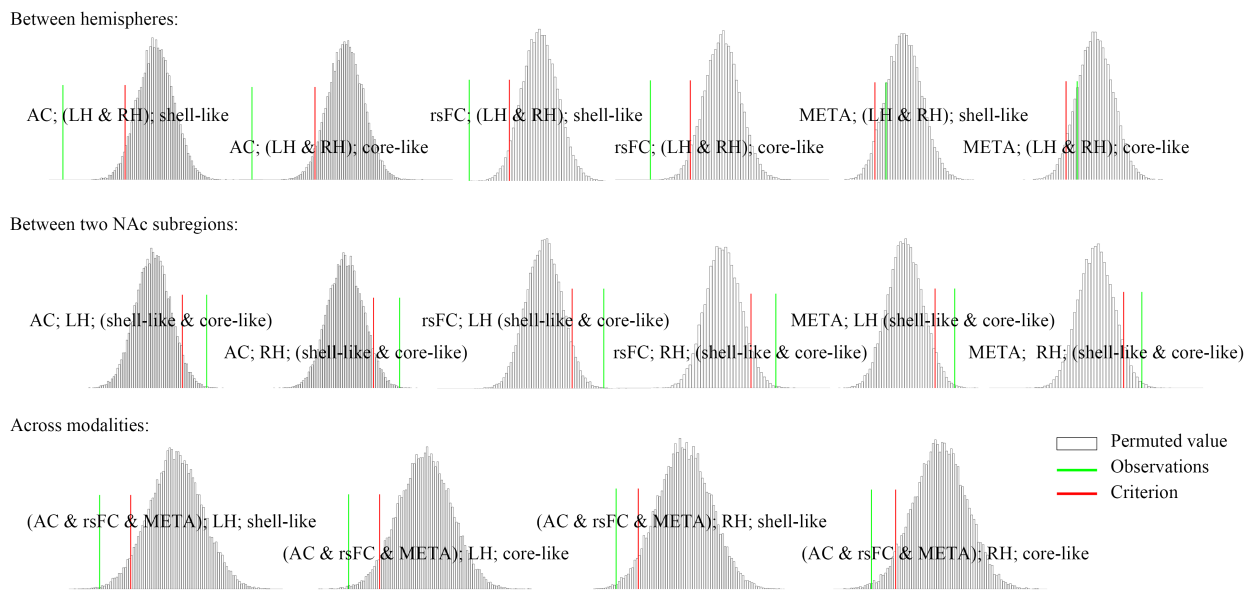
(AC & rsFC & META); RH; shell-like

(AC & rsFC & META); RH; core-like

Figure S7 (Width: 6.5 inches; 600 DPI)