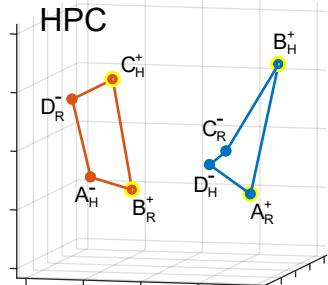


a**DLPFC**

3D graph for DLPFC showing a cycle of nodes: A_R^+ , B_H^+ , C_H^- , D_H^- , and A_H^- . The edges are colored blue and red.

ACC

3D graph for ACC showing a cycle of nodes: C_R^- , D_R^- , B_H^+ , A_H^- , and C_H^+ . The edges are colored blue and red.

b

HPC

3D graph for HPC showing a cycle of nodes: C_R^- , D_H^- , A_H^- , A_R^+ , B_R^+ , and C_H^+ . The edges are colored blue and red.

DLPFC

3D graph for DLPFC showing a cycle of nodes: C_R^- , D_H^- , A_H^- , B_R^+ , B_H^+ , and C_H^+ . The edges are colored blue and red.

ACC

3D graph for ACC showing a cycle of nodes: A_R^+ , B_R^+ , B_H^+ , C_H^+ , D_R^- , and C_R^- . The edges are colored blue and red.

c

3D graph for HPC showing a cycle of nodes: B_R^+ , D_R^- , C_H^+ , A_H^- , and A_R^+ . The edges are colored blue and red.

d

Region	Abstraction index
HPC	~1.20
DLPFC	~1.04
ACC	~1.04

e

3D graph for HPC showing a cycle of nodes: D_R^- , C_H^+ , A_H^- , A_R^+ , B_R^+ , and C_R^- . The edges are colored blue and red.