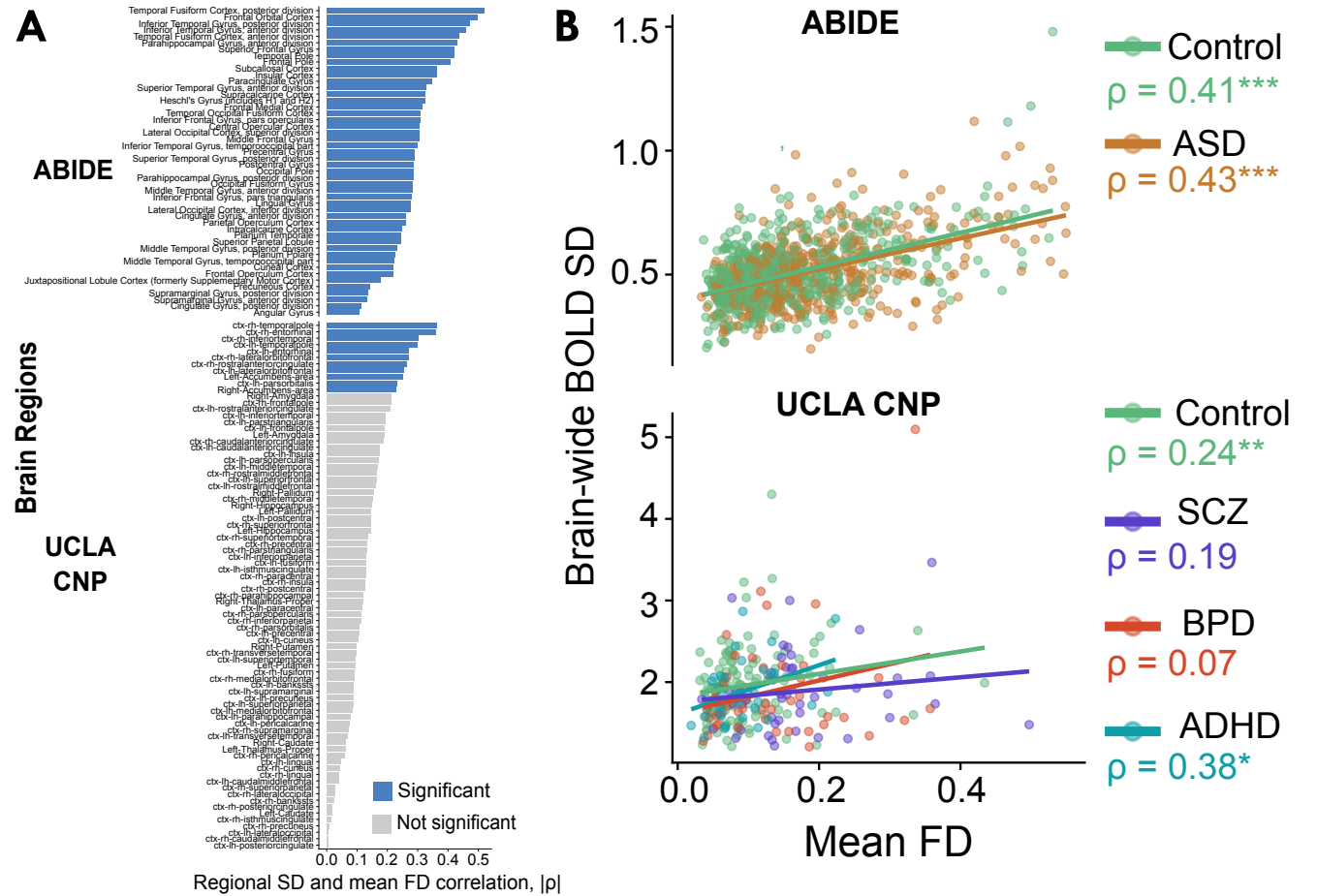
A
ABIDE
UCLA CNP
Brain Regions
Temporal Fusiform Cortex, posterior division
Frontal Orbital Cortex
Inferior Temporal Gyrus, posterior division
Inferior Temporal Gyrus, anterior division
Temporal Fusiform Cortex, anterior division
Parahippocampal Gyrus, anterior division
Superior Frontal Gyrus
Temporal Pole
Frontal Pole
Subcallosal Cortex
Insular Cortex
Paracingulate Gyrus
Superior Temporal Gyrus, anterior division
Subcallosal Cortex
Heschl's Gyrus (includes H1 and H2)
Frontal Medial Cortex
Temporal Occipital Fusiform Cortex
Inferior Frontal Gyrus, pars opercularis
Central Opercular Cortex
Lateral Occipital Cortex, superior division
Middle Frontal Gyrus
Inferior Temporal Gyrus, temporooccipital part
Precentral Gyrus
Superior Temporal Gyrus, posterior division
Postcentral Gyrus
Occipital Pole
Parahippocampal Gyrus, posterior division
Occipital Fusiform Gyrus
Middle Temporal Gyrus, anterior division
Inferior Frontal Gyrus, pars triangularis
Insular Cortex
Lateral Occipital Cortex, inferior division
Cingulate Gyrus, anterior division
Parietal Operculum Cortex
Intracalcarine Cortex
Planum Temporale
Superior Parietal Lobule
Middle Temporal Gyrus, posterior division
Planum Polare
Middle Temporal Gyrus, temporooccipital part
Cuneal Cortex
Frontal Operculum Cortex
Juxtapositional Lobule Cortex (formerly Supplemedial Motor Cortex)
Precuneous Cortex
Supramarginal Gyrus, posterior division
Supramarginal Gyrus, anterior division
Cingulate Gyrus, posterior division
Angular Gyrus
ctx-rh-temporalpole
ctx-rh-entorhinal
ctx-rh-temporalpole
ctx-lh-temporalpole
ctx-lh-frontalpole
ctx-rh-lateralorbitofrontal
ctx-rh-rostralanteriorcingulate
ctx-lh-lateralorbitofrontal
Left-Accumbens-area
ctx-lh-parsorbitalis
Right-Accumbens-area
Right-Amygdala
ctx-rh-frontalpole
ctx-lh-rostralanteriorcingulate
ctx-lh-interiortemporal
ctx-lh-parsmarginalis
ctx-lh-frontalpole
Left-Amygdala
ctx-rh-caudalanteriorcingulate
ctx-lh-caudalanteriorcingulate
Left-Caudate
ctx-lh-parsorbitalis
ctx-lh-middletemporal
ctx-rh-transverseparietal
ctx-lh-superiorfrontal
ctx-lh-rostralmiddlefrontal
Right-Pallidum
ctx-rh-middletemporal
Right-Hippocampus
Left-Pallidum
ctx-lh-postcentral
ctx-lh-superiorfrontal
Left-Hippocampus
ctx-rh-superiortemporal
ctx-rh-precentral
ctx-rh-parstriangularis
ctx-lh-inferiorparietal
ctx-lh-isthmuscingulate
ctx-rh-superiorparietal
Left-Putamen
ctx-rh-postcentral
ctx-rh-parahippocampal
Right-Thalamus-Proper
ctx-rh-paracentral
ctx-rh-parsopercularis
ctx-rh-inferiorparietal
ctx-rh-parsorbitalis
ctx-rh-precentral
ctx-lh-cuneus
Right-Putamen
ctx-rh-transversetemporal
ctx-rh-superiortemporal
Left-Putamen
ctx-rh-fusiform
ctx-rh-medialorbitofrontal
ctx-rh-bankssts
ctx-lh-supramarginal
ctx-lh-caudalmiddlefrontal
ctx-lh-lingual
ctx-lh-medialorbitofrontal
ctx-lh-parahippocampal
ctx-lh-pericalcarine
ctx-rh-supramarginal
ctx-rh-transversetemporal
Right-Caudate
Left-Thalamus-Proper
ctx-rh-pericalcarine
ctx-rh-lingual
ctx-rh-cuneus
ctx-lh-lingual
ctx-lh-caudalmiddlefrontal
ctx-lh-superiorparietal
ctx-rh-lateraloccipital
ctx-lh-bankssts
ctx-rh-posterior cingulate
Left-Caudate
ctx-rh-isthmuscingulate
ctx-rh-precuneus
ctx-lh-lateraloccipital
ctx-rh-caudalmiddlefrontal
ctx-lh-posteriorcingulate
Significant
Not significant
0.0 0.1 0.2 0.3 0.4 0.5
Regional SD and mean FD correlation, |ρ|
B
ABIDE
1.5
1.0
0.5
Control
ρ = 0.41***
ASD
ρ = 0.43***
UCLA CNP
5
4
3
2
Control
ρ = 0.24**
SCZ
ρ = 0.19
BPD
ρ = 0.07
ADHD
ρ = 0.38*
Brain-wide BOLD SD
0.0
0.2
0.4
Mean FD