

Supplementary Table 8: Volume measurements for regions of DK atlas. Coefficients of variation (CoV) are given as % x 100. Statistically significant differences (at  $p < 0.05$  after FDR correction) of the parameter values and associated CoVs between non-motion corrected and motion corrected datasets are given with \*.

bankssts		
volume (1e3 mm <sup>3</sup> )	2.57 ± 0.38	2.86 ± 0.24*
CoV	8.54 ± 9.40	2.65 ± 1.66
ICC	0.53	0.87
caudalanteriorcingulate		
volume (1e3 mm <sup>3</sup> )	2.01 ± 0.44	2.30 ± 0.35*
CoV	12.35 ± 14.94	2.44 ± 2.81*
ICC	0.62	0.95
caudalmiddlefrontal		
volume (1e3 mm <sup>3</sup> )	7.74 ± 2.07	8.42 ± 1.82*
CoV	9.18 ± 8.52	2.03 ± 1.16*
ICC	0.86	0.99
cuneus		
volume (1e3 mm <sup>3</sup> )	4.28 ± 0.58	4.43 ± 0.55*
CoV	5.49 ± 5.97	1.45 ± 0.77*
ICC	0.74	0.98
entorhinal		
volume (1e3 mm <sup>3</sup> )	2.06 ± 0.32	2.13 ± 0.30
CoV	9.78 ± 8.75	4.24 ± 2.78
ICC	0.62	0.85
fusiform		
volume (1e3 mm <sup>3</sup> )	10.54 ± 1.61	11.40 ± 1.36*
CoV	8.10 ± 13.98	1.43 ± 0.92*
ICC	0.55	0.98
inferiorparietal		
volume (1e3 mm <sup>3</sup> )	17.00 ± 2.55	18.42 ± 2.24*
CoV	6.62 ± 6.78	0.90 ± 0.35*
ICC	0.72	0.99

inferiortemporal		
volume (1e3 mm <sup>3</sup> )	12.49 ± 2.23	13.84 ± 1.35*
CoV	9.73 ± 11.12	1.65 ± 1.37*
ICC	0.65	0.95
isthmuscingulate		
volume (1e3 mm <sup>3</sup> )	3.08 ± 0.33	3.19 ± 0.23*
CoV	5.39 ± 6.32	2.01 ± 1.07*
ICC	0.66	0.90
lateraloccipital		
volume (1e3 mm <sup>3</sup> )	15.90 ± 2.33	16.34 ± 1.93*
CoV	4.12 ± 5.11	1.17 ± 0.71*
ICC	0.86	0.99
lateralorbitofrontal		
volume (1e3 mm <sup>3</sup> )	8.75 ± 1.27	9.70 ± 0.71*
CoV	9.86 ± 10.76	1.79 ± 1.15*
ICC	0.49	0.92
lingual		
volume (1e3 mm <sup>3</sup> )	8.37 ± 1.24	8.72 ± 0.92
CoV	5.29 ± 11.98	1.52 ± 0.71
ICC	0.70	0.97
medialorbitofrontal		
volume (1e3 mm <sup>3</sup> )	6.79 ± 1.07	7.20 ± 0.78
CoV	8.04 ± 10.49	2.24 ± 1.41
ICC	0.62	0.94
middletemporal		
volume (1e3 mm <sup>3</sup> )	13.90 ± 2.44	15.30 ± 1.62*
CoV	8.70 ± 9.14	1.26 ± 0.65*
ICC	0.70	0.98
parahippocampal		
volume (1e3 mm <sup>3</sup> )	2.11 ± 0.25	2.24 ± 0.15
CoV	9.16 ± 14.01	1.90 ± 0.87*
ICC	0.33	0.90

paracentral		
volume (1e3 mm <sup>3</sup> )	4.70 ± 0.53	4.98 ± 0.43*
CoV	5.60 ± 4.73	1.63 ± 0.94*
ICC	0.70	0.95
parsopercularis		
volume (1e3 mm <sup>3</sup> )	4.94 ± 0.73	5.27 ± 0.69*
CoV	5.48 ± 6.63	1.57 ± 0.78*
ICC	0.76	0.98
parsorbitalis		
volume (1e3 mm <sup>3</sup> )	3.31 ± 0.26	3.54 ± 0.28*
CoV	7.46 ± 6.40	2.12 ± 0.90*
ICC	0.23	0.92
parstriangularis		
volume (1e3 mm <sup>3</sup> )	5.03 ± 0.62	5.16 ± 0.59
CoV	7.49 ± 10.00	0.98 ± 0.40*
ICC	0.45	0.99
pericalcarine		
volume (1e3 mm <sup>3</sup> )	2.72 ± 0.31	2.75 ± 0.29*
CoV	6.77 ± 5.49	2.79 ± 1.56*
ICC	0.57	0.90
postcentral		
volume (1e3 mm <sup>3</sup> )	11.34 ± 1.95	12.07 ± 1.90*
CoV	5.73 ± 5.81	1.28 ± 0.67*
ICC	0.82	0.99
posteriorcingulate		
volume (1e3 mm <sup>3</sup> )	3.73 ± 0.76	4.19 ± 0.50*
CoV	10.36 ± 10.35	1.66 ± 1.81*
ICC	0.71	0.96
precentral		
volume (1e3 mm <sup>3</sup> )	15.23 ± 1.90	16.35 ± 1.47*

CoV	7.57 ± 7.18	1.16 ± 0.82*
ICC	0.57	0.97
precuneus		
volume (1e3 mm <sup>3</sup> )	12.54 ± 2.06	13.42 ± 1.57*
CoV	6.95 ± 6.50	0.96 ± 0.66*
ICC	0.77	0.99
rostralanteriorcingulate		
volume (1e3 mm <sup>3</sup> )	2.24 ± 0.60	2.62 ± 0.40*
CoV	18.35 ± 18.92	3.87 ± 4.09*
ICC	0.57	0.90
rostralmiddlefrontal		
volume (1e3 mm <sup>3</sup> )	19.62 ± 3.32	20.82 ± 2.16*
CoV	7.84 ± 10.41	1.27 ± 0.79*
ICC	0.69	0.98
superiorfrontal		
volume (1e3 mm <sup>3</sup> )	26.08 ± 4.20	28.22 ± 2.88*
CoV	7.61 ± 8.46	1.04 ± 0.54*
ICC	0.71	0.99
superiorparietal		
volume (1e3 mm <sup>3</sup> )	17.04 ± 2.33	18.10 ± 1.81*
CoV	7.25 ± 5.90	0.87 ± 0.63*
ICC	0.67	0.99
superiortemporal		
volume (1e3 mm <sup>3</sup> )	13.36 ± 2.02	14.65 ± 1.16*
CoV	8.64 ± 9.74	1.32 ± 0.64*
ICC	0.61	0.97
supramarginal		
volume (1e3 mm <sup>3</sup> )	12.94 ± 1.95	13.79 ± 1.48*
CoV	5.43 ± 4.97	1.38 ± 0.46*
ICC	0.82	0.98

frontalpole		
volume (1e3 mm <sup>3</sup> )	1.62 ± 0.21	1.58 ± 0.14
CoV	11.16 ± 9.28	4.34 ± 3.82*
ICC	0.26	0.62
temporalpole		
volume (1e3 mm <sup>3</sup> )	2.74 ± 0.26	2.84 ± 0.22
CoV	6.66 ± 6.27	2.69 ± 1.46
ICC	0.47	0.86
transversetemporal		
volume (1e3 mm <sup>3</sup> )	1.20 ± 0.20	1.29 ± 0.18*
CoV	8.77 ± 11.27	2.15 ± 1.12
ICC	0.56	0.97
insula		
volume (1e3 mm <sup>3</sup> )	7.48 ± 0.92	7.92 ± 0.69*
CoV	5.90 ± 6.64	2.81 ± 2.02
ICC	0.68	0.83