

Supplemental Table 1: Binding potentials of ^{18}F -SynVesT-1 and ^{11}C -UCB-J with the one-tissue compartment model under baseline condition

Regions	Reference: Centrum semiovale V_T		Reference: V_{ND} from Lassen occupancy plot	
	^{18}F -SynVesT-1	^{11}C -UCB-J	^{18}F -SynVesT-1	^{11}C -UCB-J
	($n = 4$)	($n = 4$)	($n = 4$)	($n = 4$)
Putamen	4.26 (14%)	3.65 (24%)	7.53 (30%)	5.68 (26%)
Insula cortex	4.18 (19%)	3.45 (27%)	7.40 (32%)	5.38 (26%)
Temporal cortex	4.29 (19%)	3.64 (27%)	7.58 (31%)	5.61 (23%)
Parietal cortex	4.10 (22%)	3.56 (28%)	7.29 (33%)	5.47 (21%)
Amygdala	3.91 (14%)	3.31 (18%)	6.89 (24%)	5.22 (26%)
Occipital cortex	3.99 (25%)	3.45 (33%)	7.11 (36%)	5.29 (25%)
Ant. cingulate cortex	3.92 (16%)	3.29 (30%)	7.01 (33%)	5.20 (33%)
Frontal cortex	3.83 (17%)	3.25 (23%)	6.82 (30%)	5.09 (23%)
Caudate nucleus	3.48 (11%)	2.98 (22%)	6.24 (28%)	4.73 (26%)
Post. cingulate cortex	3.43 (29%)	2.80 (37%)	6.3 (46%)	4.44 (35%)
Thalamus	2.76 (14%)	2.29 (24%)	5.06 (28%)	3.72 (24%)
Cerebellum	2.66 (20%)	2.10 (29%)	4.91 (30%)	3.41 (21%)
Hippocampus	2.74 (16%)	2.17 (17%)	5.01 (25%)	3.58 (26%)
Globus pallidus	2.34 (28%)	1.85 (38%)	4.47 (42%)	3.07 (30%)

^{18}F -SynVesT-1: BP_{ND} using $V_{T,CS} = 0.64 \times (BP_{ND}$ using the Lassen $V_{ND}) - 0.33$, $R^2 = 1.00$

^{11}C -UCB-J: BP_{ND} using $V_{T,CS} = 0.70 \times (BP_{ND}$ using the Lassen $V_{ND}) - 0.31$, $R^2 = 1.00$