AssemblyNet

version 1.0 release 10-Nov-2020

File description

Filename	Description
matrix_affine_native_to_mni_<JOB_ID>.txt	ITK transformation matrix from native to MNI space
mni_t1_<JOB_ID>.nii.gz	Filtered and normalized T1 image in MNI space
mni_mask_<JOB_ID>.nii.gz	Intracranial Cavity mask image in MNI space
mni_tissues_<JOB_ID>.nii.gz	Tissues segmentation in MNI space
mni_macrostructures_<JOB_ID>.nii.gz	Macrostructure segmentation in MNI space
mni_lobes_<JOB_ID>.nii.gz	Lobe segmentation in MNI space
mni_structures_<JOB_ID>.nii.gz	Structure segmentation in MNI space
native_t1_<JOB_ID>.nii.gz	Filtered and normalized T1 image in native space
native_mask_<JOB_ID>.nii.gz	Intracranial Cavity mask image in native space
native_tissues_<JOB_ID>.nii.gz	Tissues segmentation in native space
native_macrostructures_<JOB_ID>.nii.gz	Macrostructure segmentation in native space
native_lobes_<JOB_ID>.nii.gz	Lobe segmentation in native space
native_structures_<JOB_ID>.nii.gz	Structure segmentation in native space
report_<JOB_ID>.pdf	PDF format volumetry report
report_<JOB_ID>.csv	CSV format volumetry report.

Labels correspondence

Tissue, macrostructure and lobe segmentations are composed by combining the corresponding structure labels.

{native,mni}_tissues_<JOB_ID>.nii.gz

Label	Name	Structure labels correspondances
1	CSF	1, 4, 11, 49, 50, 51, 52
2	Cortical	100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 128, 129, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207
3	Cerebrum WM	44, 45, 61, 62
4	Subcortical GM	23, 30, 31, 32, 36, 37, 47, 48, 55, 56, 57, 58, 59, 60, 75, 76
5	Cerebellum GM	38, 39, 71, 72, 73
6	Cerebellum WM	40, 41
7	Brainstem	35

{native,mni}_macrostructures_<JOB_ID>.nii.gz

Label	Name	Structure labels correspondances
1	Left cerebrum	30, 32, 37, 45, 48, 56, 58, 60, 62, 75, 101, 103, 105, 107, 109, 113, 115, 117, 119, 121, 123, 125, 129, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 191, 193, 195, 197, 199, 201, 203, 205, 207
2	Right cerebrum	23, 31, 36, 44, 47, 55, 57, 59, 61, 76, 100, 102, 104, 106, 108, 112, 114, 116, 118, 120, 122, 124, 128, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 190, 192, 194, 196, 198, 200, 202, 204, 206
3	Left cerebellum	39, 41
4	Right cerebellum	38, 40
5	Vermal	71, 72, 73
6	Brainstem	35

{native,mni}_lobes_<JOB_ID>.nii.gz		
Label	**Name**	**Structure labels correspondances**
1	Right frontal lobe	104, 120, 124, 136, 140, 142, 146, 150, 152, 162, 164, 178, 182, 186, 190, 192, 204
2	Left frontal lobe	105, 121, 125, 137, 141, 143, 147, 151, 153, 163, 165, 179, 183, 187, 191, 193, 205
3	Right temporal lobe	122, 132, 154, 180, 184, 200, 202, 206
4	Left temporal lobe	123, 133, 155, 181, 185, 201, 203, 207
5	Right parietal lobe	106, 148, 168, 176, 194, 198
6	Left parietal lobe	107, 149, 169, 177, 195, 199
7	Right occipital lobe	108, 114, 128, 134, 144, 156, 160, 196
8	Left occipital lobe	109, 115, 129, 135, 145, 157, 161, 197
9	Right limbic lobe	100, 116, 138, 166, 170
10	Left limbic lobe	101, 117, 139, 167, 171
11	Right insular lobe	102, 112, 118, 172, 174
12	Left insular lobe	103, 113, 119, 173, 175

{native,mni}_structures_<JOB_ID>.nii.gz			
Label	**Name**	**Label**	**Name**
4	3rd ventricle	11	4th ventricle
23	Right accumbens	30	Left accumbens
31	Right amygdala	32	Left amygdala
35	Brainstem		
36	Right caudate	37	Left caudate
38	Right cerebellum exterior	39	Left cerebellum exterior
40	Right cerebellum White Matter	41	Left cerebellum White Matter
44	Right cerebral White Matter	45	Left cerebral White Matter
47	Right hippocampus	48	Left hippocampus
49	Right inf. lateral ventricle	50	Left inf. lateral ventricle
51	Right lateral ventricle	52	Left lateral ventricle
55	Right pallidum	56	Left pallidum
57	Right putamen	58	Left putamen
59	Right thalamus	60	Left thalamus
61	Right ventral DC	62	Left ventral DC
71	Lobules I-V	72	Lobules VI-VII
73	Lobules VIII-X		
75	Left basal forebrain	76	Right basal forebrain
100	Right anterior cingulate gyrus	101	Left anterior cingulate gyrus
102	Right anterior insula	103	Left anterior insula
104	Right anterior orbital gyrus	105	Left anterior orbital gyrus
106	Right angular gyrus	107	Left angular gyrus
108	Right calcarine cortex	109	Left calcarine cortex
112	Right central operculum	113	Left central operculum
114	Right cuneus	115	Left cuneus
116	Right entorhinal area	117	Left entorhinal area
118	Right frontal operculum	119	Left frontal operculum
120	Right frontal pole	121	Left frontal pole
122	Right fusiform gyrus	123	Left fusiform gyrus
124	Right gyrus rectus	125	Left gyrus rectus
128	Right inf. occipital gyrus	129	Left inf. occipital gyrus
132	Right inf. temporal gyrus	133	Left inf. temporal gyrus

134	Right lingual gyrus	135	Left lingual gyrus
136	Right lateral orbital gyrus	137	Left lateral orbital gyrus
138	Right middle cingulate gyrus	139	Left middle cingulate gyrus
140	Right medial frontal cortex	141	Left medial frontal cortex
142	Right middle frontal gyrus	143	Left middle frontal gyrus
144	Right middle occipital gyrus	145	Left middle occipital gyrus
146	Right medial orbital gyrus	147	Left medial orbital gyrus
148	Right postcentral gyrus medial segment	149	Left postcentral gyrus medial segment
150	Right precentral gyrus medial segment	151	Left precentral gyrus medial segment
152	Right sup. frontal gyrus medial segment	153	Left sup. frontal gyrus medial segment
154	Right middle temporal gyrus	155	Left middle temporal gyrus
156	Right occipital pole	157	Left occipital pole
160	Right occipital fusiform gyrus	161	Left occipital fusiform gyrus
162	Right opercular inf. frontal gyrus	163	Left opercular inf. frontal gyrus
164	Right orbital inf. frontal gyrus	165	Left orbital inf. frontal gyrus
166	Right posterior cingulate gyrus	167	Left posterior cingulate gyrus
168	Right precuneus	169	Left precuneus
170	Right parahippocampal gyrus	171	Left parahippocampal gyrus
172	Right posterior insula	173	Left posterior insula
174	Right parietal operculum	175	Left parietal operculum
176	Right postcentral gyrus	177	Left postcentral gyrus
178	Right posterior orbital gyrus	179	Left posterior orbital gyrus
180	Right planum polare	181	Left planum polare
182	Right precentral gyrus	183	Left precentral gyrus
184	Right planum temporale	185	Left planum temporale
186	Right subcallosal area	187	Left subcallosal area
190	Right sup. frontal gyrus	191	Left sup. frontal gyrus
192	Right supplementary motor cortex	193	Left supplementary motor cortex
194	Right supramarginal gyrus	195	Left supramarginal gyrus
196	Right sup. occipital gyrus	197	Left sup. occipital gyrus
198	Right sup. parietal lobule	199	Left sup. parietal lobule
200	Right sup. temporal gyrus	201	Left sup. temporal gyrus
202	Right temporal pole	203	Left temporal pole
204	Right triangular inf. frontal gyrus	205	Left triangular inf. frontal gyrus
206	Right transverse temporal gyrus	207	Left transverse temporal gyrus