NEUROCLOUD VOL

PatientID: STUDY3
Study: Multiple Sclerosis
Age: 26
Id: 721

Disclaimer

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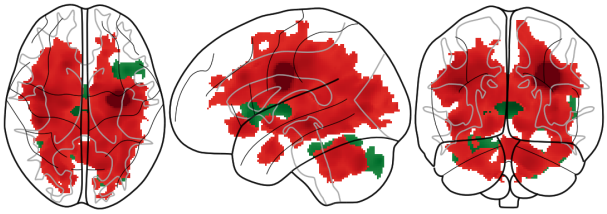
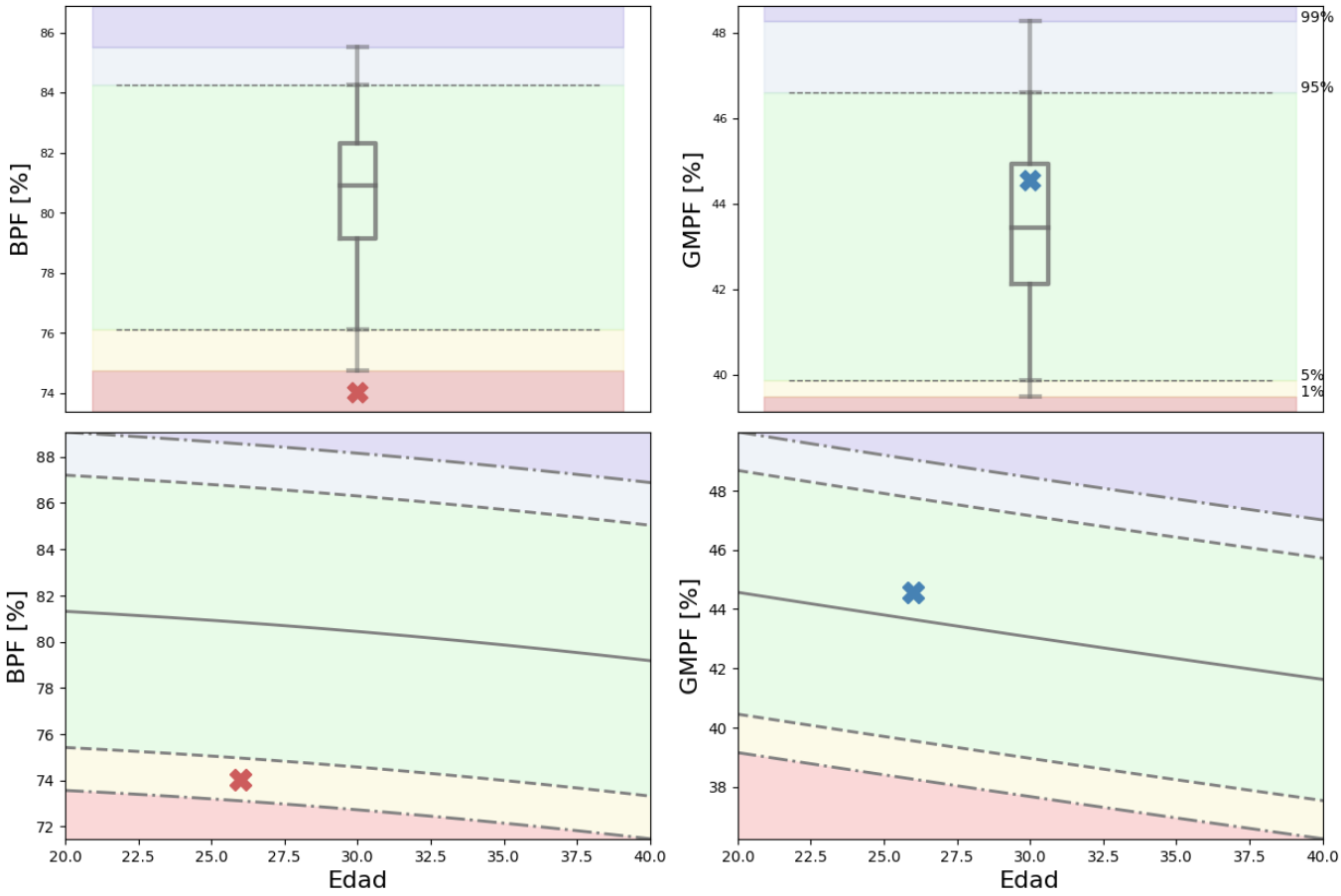
Glass brain



Standard deviation | 2 DS | 2.5 DS | 3.0 DS

Parameter	Value
TIV (Total Intracranial Volume)	1,227.60 [cm3]
GM (Grey Matter)	547.03 [cm3]
WM (White matter)	361.96 [cm3]
CSF (Cerebrospinal fluid)	318.60 [cm3]
BPF (Brain Parenchymal Fraction)	74.05 (76.13 - 84.26) - [% (5 - 95)]
GMPF (Grey Matter Fraction)	44.56 (39.87 - 46.64) - [% (5 - 95)]



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Comment

Multiple Sclerosis Study

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ROIs analysis - Grey Matter

Standard deviation | 2 DS | 2.5 DS | 3.0 DS

ROI	Left hemisphere GM [%TIV]	(5% - 95%)	Right hemisphere GM [%TIV]	(5% - 95%)	Asymmetry [%]	Laterality
Frontal						
Precentral gyrus	1.13	0.86 - 1.09	1.05	0.83 - 1.07	7.34	
Superior frontal gyrus	2.26	1.95 - 2.39	2.31	1.89 - 2.37	-2.19	
Middle frontal gyrus	1.76	1.36 - 1.72	1.60	1.31 - 1.72	9.52	
Inferior frontal gyrus	0.68	0.62 - 0.79	0.77	0.55 - 0.74	-12.41	**Left**
Cingulate gyrus (gyrus cinguli), anterior part	0.32	0.28 - 0.38	0.28	0.25 - 0.39	13.33	
Anterior orbital gyrus	0.88	0.72 - 0.9	0.94	0.76 - 0.96	-6.59	
Straight gyrus	0.19	0.15 - 0.21	0.21	0.16 - 0.22	-10.00	
Temporal						
Amigdala	0.11	0.1 - 0.13	0.12	0.11 - 0.14	-8.70	
Hippocampus	0.14	0.13 - 0.17	0.16	0.14 - 0.18	-13.33	
Parahippocampal and ambient gyri	0.23	0.19 - 0.24	0.23	0.19 - 0.25	0.00	
Anterior temporal lobe, medial part	0.30	0.29 - 0.39	0.34	0.29 - 0.38	-12.50	**Left**
Anterior temporal lobe, lateral part	0.38	0.36 - 0.48	0.36	0.33 - 0.44	5.41	
Superior temporal gyrus, posterior part	0.54	0.45 - 0.57	0.55	0.46 - 0.6	-1.83	
Middle and inferior temporal gyrus	0.63	0.55 - 0.71	0.68	0.56 - 0.74	-7.63	
Posterior temporal lobe	1.72	1.47 - 1.88	1.73	1.48 - 1.81	-0.58	
Fusiform gyrus	0.23	0.17 - 0.22	0.26	0.17 - 0.23	-12.24	
Occipital						
Lateral remainder of occipital lobe	1.51	1.27 - 1.61	1.46	1.28 - 1.62	3.37	
Cuneus	0.33	0.3 - 0.41	0.37	0.28 - 0.4	-11.43	**Left**
Lingual gyrus	0.49	0.41 - 0.59	0.49	0.39 - 0.58	0.00	
Parietal						
Postcentral gyrus	1.04	0.75 - 1	0.94	0.7 - 0.94	10.10	
Inferiolateral remainder of parietal lobe	1.29	1.17 - 1.5	1.44	1.18 - 1.54	-10.99	
Precuneus	1.37	1.22 - 1.52	1.42	1.22 - 1.52	-3.58	
Cingulate gyurs (gyrus cinguli), posterior part	0.33	0.28 - 0.4	0.33	0.27 - 0.37	0.00	
Internal structures						
Insula	0.54	0.5 - 0.64	0.56	0.49 - 0.63	-3.64	**Left**
Caudate nucleus	0.29	0.2 - 0.28	0.24	0.2 - 0.27	18.87	**Right**
Putamen	0.22	0.24 - 0.33	0.25	0.24 - 0.32	-12.77	
Thalamus	0.20	0.25 - 0.42	0.23	0.26 - 0.41	-13.95	**Bilateral**
Cerebellum	2.73	2.58 - 3.36	2.53	2.49 - 3.21	7.60	

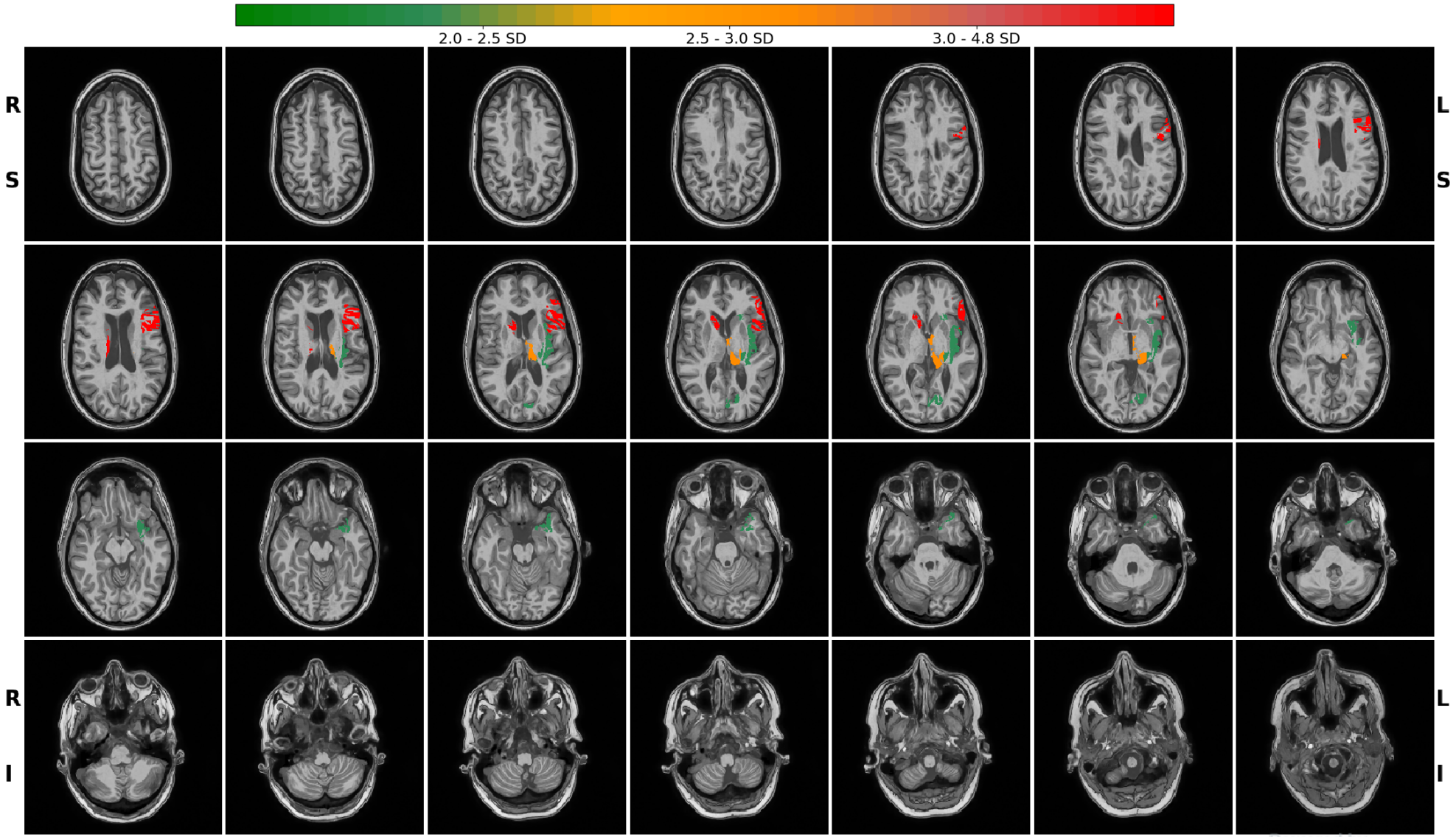
ROIs analysis - White matter

Standard deviation: 2 DS | 2.5 DS | 3.0 DS

ROI	Left hemisphere WM [%TIV]	Left hemisphere (5% - 95%)	Right hemisphere WM [%TIV]	Right hemisphere (5% - 95%)	Asymmetry [%]	Laterality
Frontal						
Precentral gyrus	0.98	1.19 - 1.52	0.97	1.19 - 1.54	1.03	**Bilateral**
Superior frontal gyrus	1.36	1.53 - 1.92	1.45	1.49 - 1.86	-6.41	
Middle frontal gyrus	1.52	1.52 - 1.92	1.45	1.54 - 1.88	4.71	
Inferior frontal gyrus	0.36	0.36 - 0.53	0.32	0.34 - 0.5	11.76	
Cingulate gyrus (gyrus cinguli), anterior part	0.14	0.12 - 0.17	0.09	0.11 - 0.17	43.48	**Right**
Anterior orbital gyrus	0.37	0.38 - 0.49	0.41	0.41 - 0.53	-10.26	
Straight gyrus	0.04	0.04 - 0.07	0.05	0.05 - 0.08	-22.22	
Temporal						
Parahippocampal and ambient gyri	0.06	0.08 - 0.12	0.08	0.09 - 0.12	-28.57	**Bilateral**
Anterior temporal lobe, medial part	0.08	0.09 - 0.15	0.10	0.11 - 0.16	-22.22	
Anterior temporal lobe, lateral part	0.06	0.09 - 0.14	0.08	0.09 - 0.13	-28.57	**Bilateral**
Superior temporal gyrus, posterior part	0.35	0.35 - 0.48	0.36	0.38 - 0.49	-2.82	
Middle and inferior temporal gyrus	0.33	0.36 - 0.48	0.39	0.37 - 0.5	-16.67	
Posterior temporal lobe	1.01	1.2 - 1.51	1.17	1.2 - 1.52	-14.68	**Left**
Fusiform gyrus	0.06	0.06 - 0.11	0.08	0.06 - 0.11	-28.57	
Occipital						
Lateral remainder of occipital lobe	1.07	1.19 - 1.55	1.03	1.24 - 1.6	3.81	**Bilateral**
Cuneus	0.21	0.21 - 0.33	0.18	0.2 - 0.31	15.38	
Lingual gyrus	0.25	0.26 - 0.41	0.29	0.28 - 0.42	-14.81	
Parietal						
Postcentral gyrus	0.83	0.99 - 1.2	0.73	0.89 - 1.14	12.82	**Bilateral**
Inferiolateral remainder of parietal lobe	0.83	1 - 1.3	0.89	1.07 - 1.33	-6.98	**Bilateral**
Precuneus	0.96	1.18 - 1.54	1.05	1.2 - 1.54	-8.96	**Bilateral**
Cingulate gyurs (gyrus cinguli), posterior part	0.13	0.15 - 0.2	0.13	0.14 - 0.2	0.00	**Bilateral**
Internal structures						
Insula	0.44	0.47 - 0.62	0.40	0.46 - 0.62	9.52	**Bilateral**
Caudate nucleus	0.07	0.05 - 0.06	0.05	0.05 - 0.06	33.33	**Right**
Putamen	0.05	0.04 - 0.08	0.06	0.05 - 0.1	-18.18	
Thalamus	0.24	0.22 - 0.31	0.25	0.22 - 0.31	-4.08	
Cerebellum	1.09	1.25 - 1.59	1.23	1.24 - 1.59	-12.07	**Left**

PatientID: STUDY3
Study: Multiple Sclerosis

Asymmetries - AXIAL - Grey Matter



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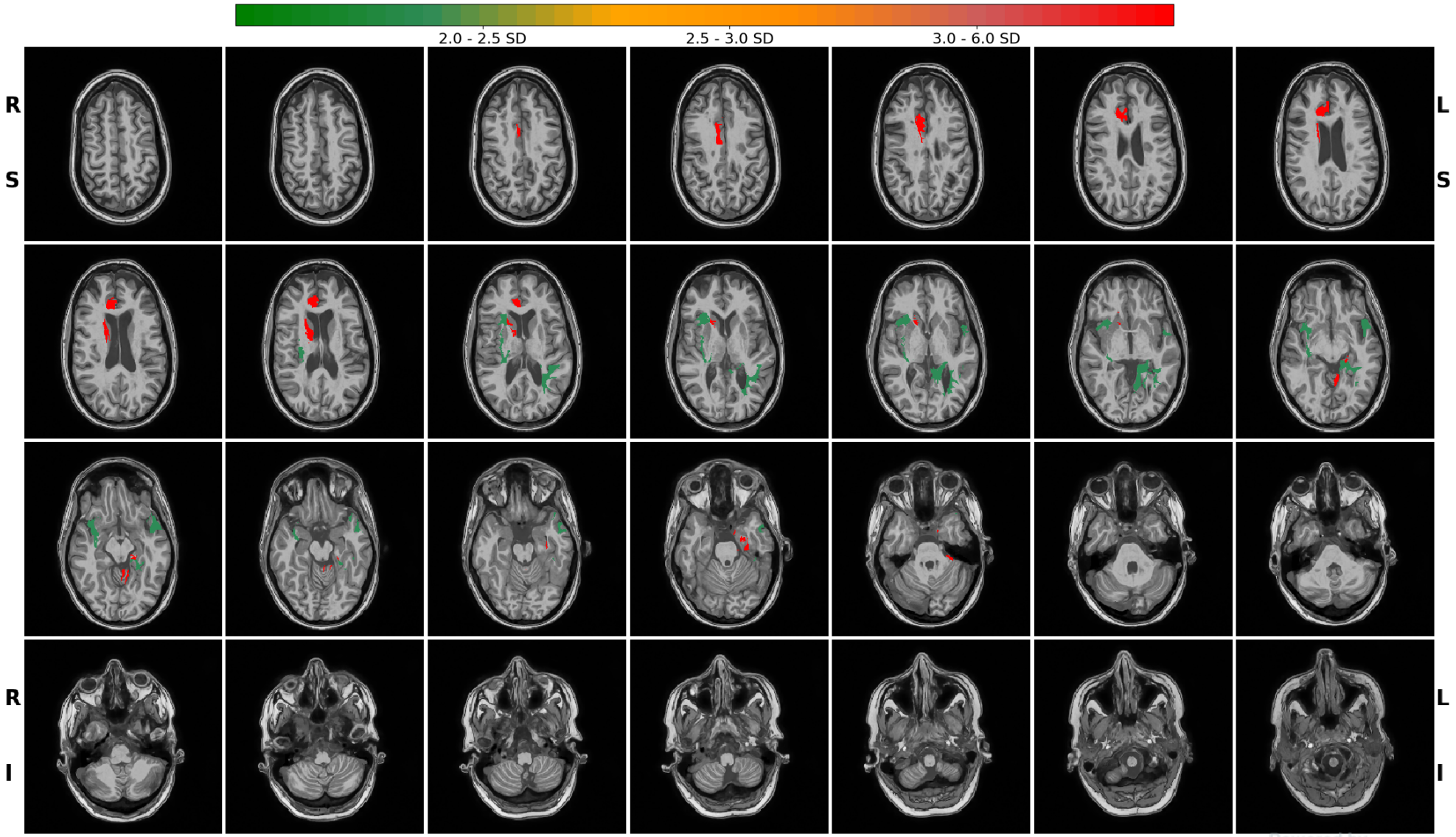
Asymmetries - AXIAL - White matter



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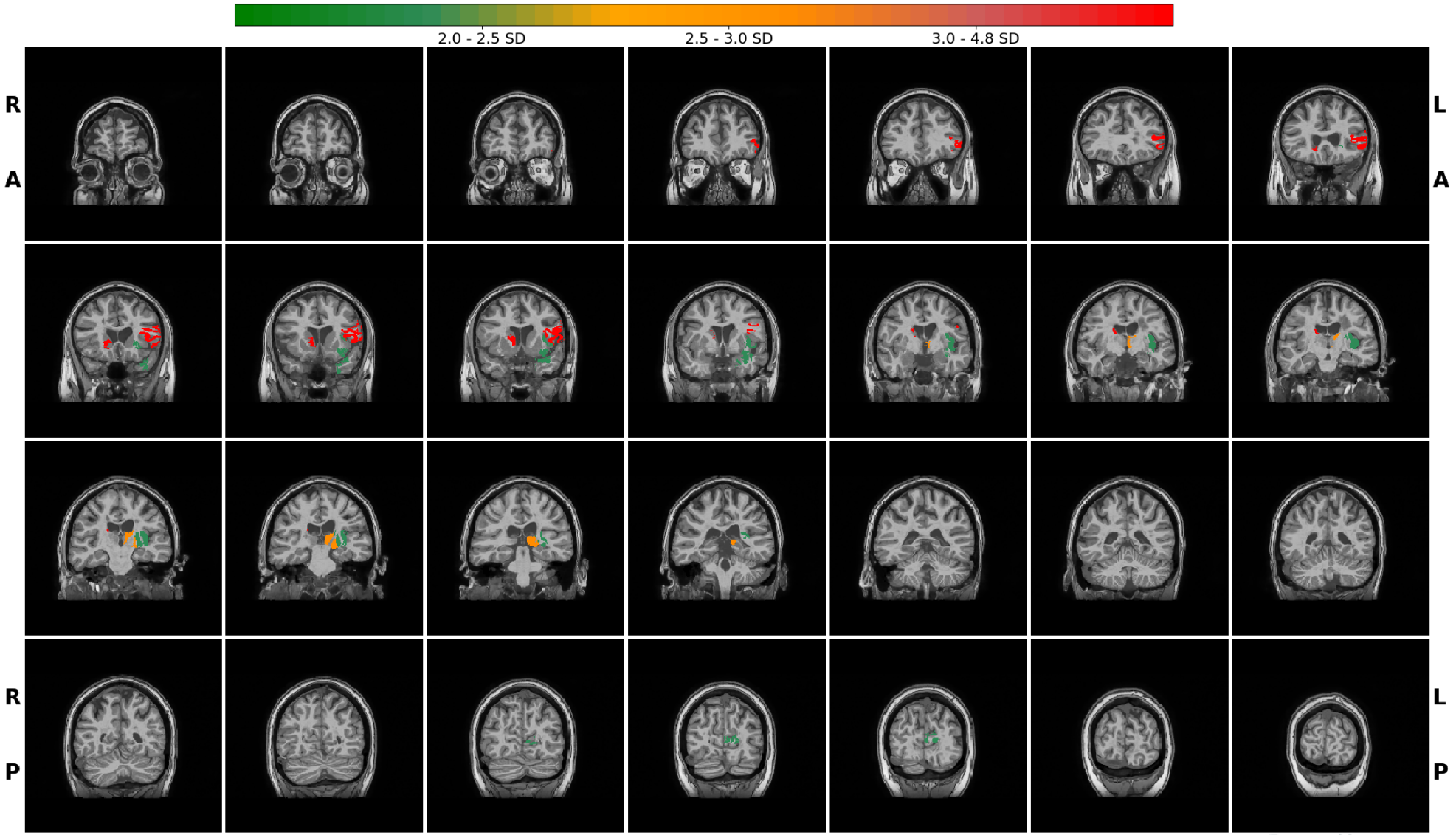
Asymmetries - CORONAL - Grey Matter



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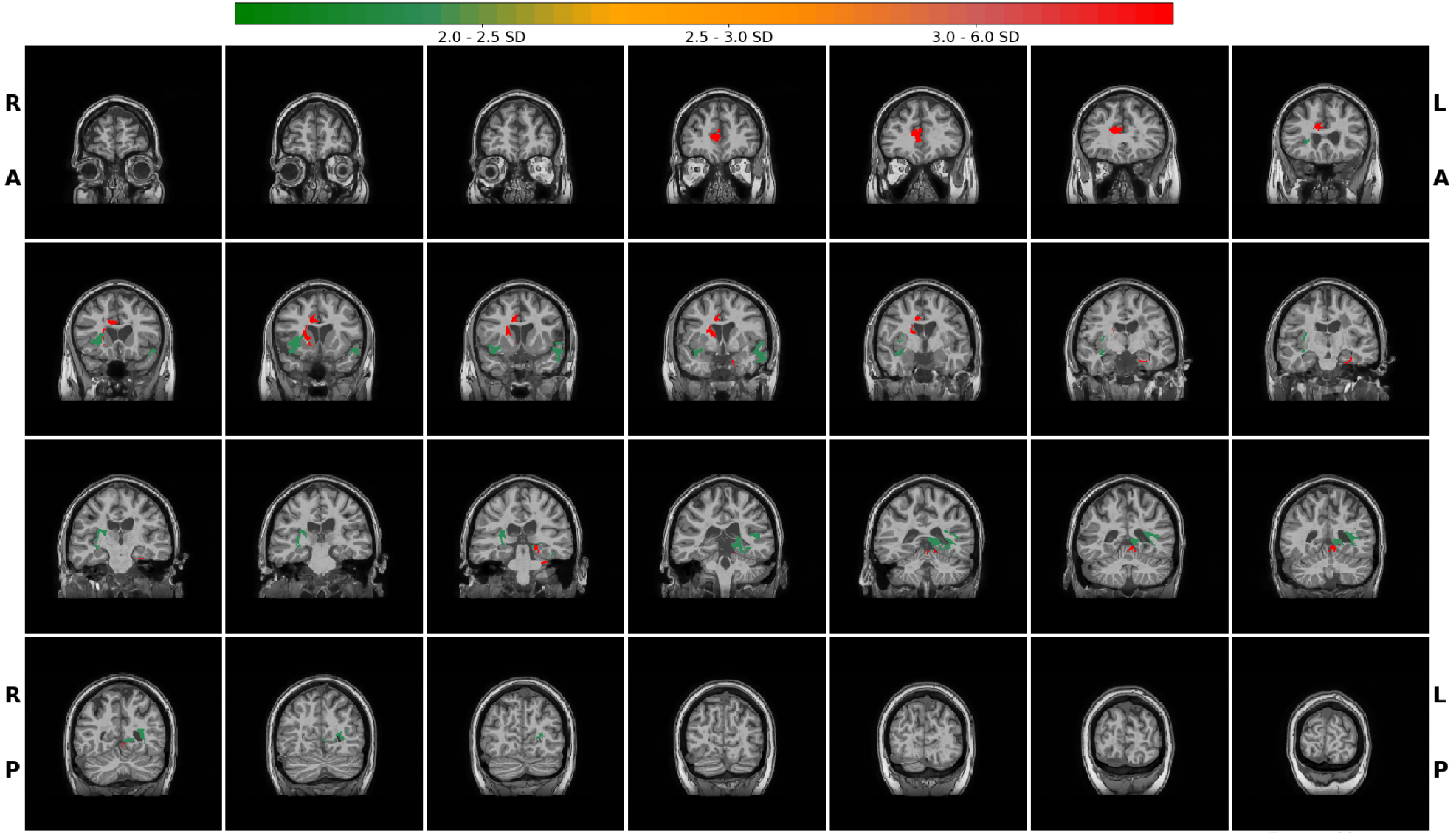
Asymmetries - CORONAL - White matter



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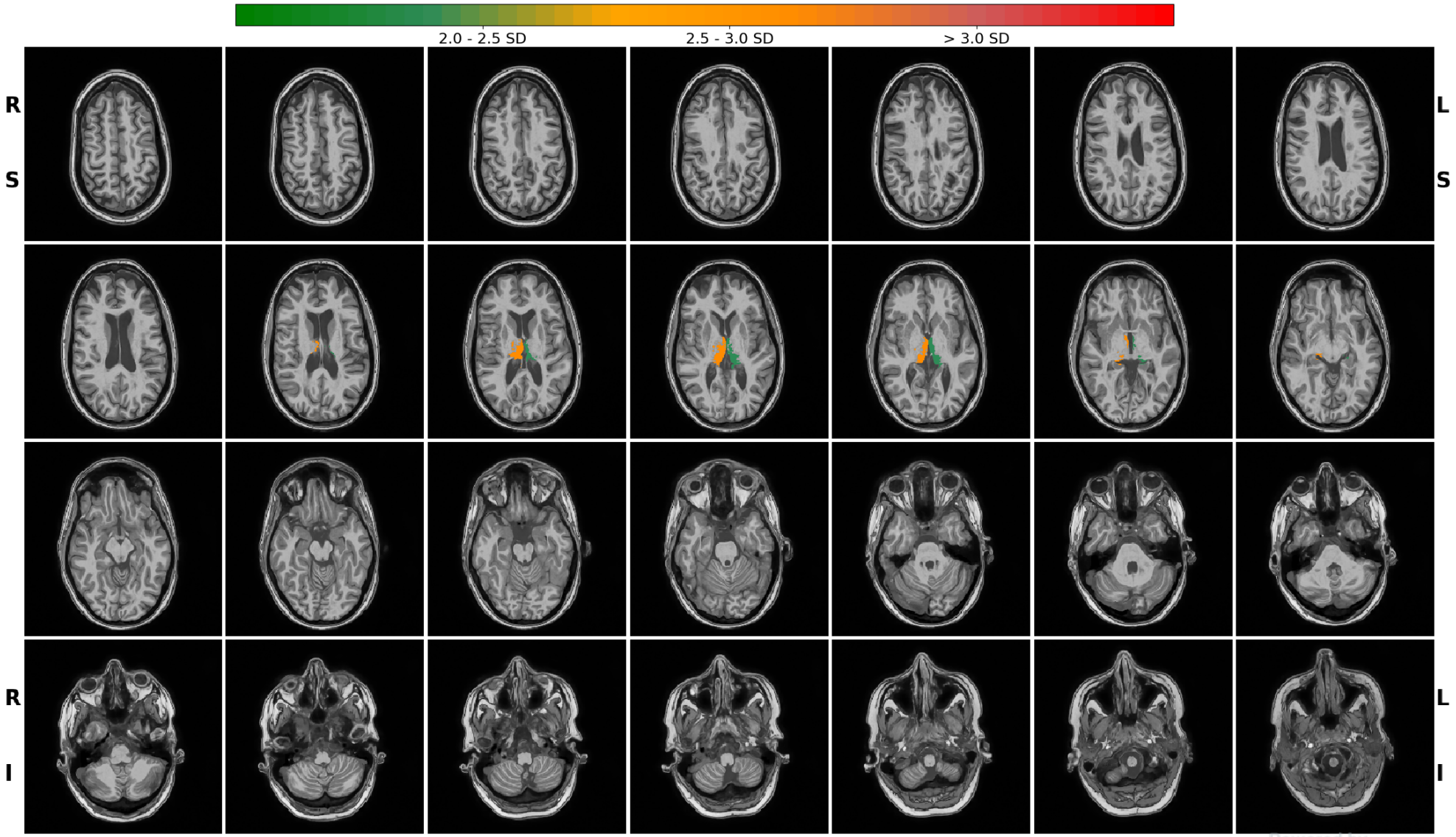
ROIs analysis - AXIAL - Grey Matter



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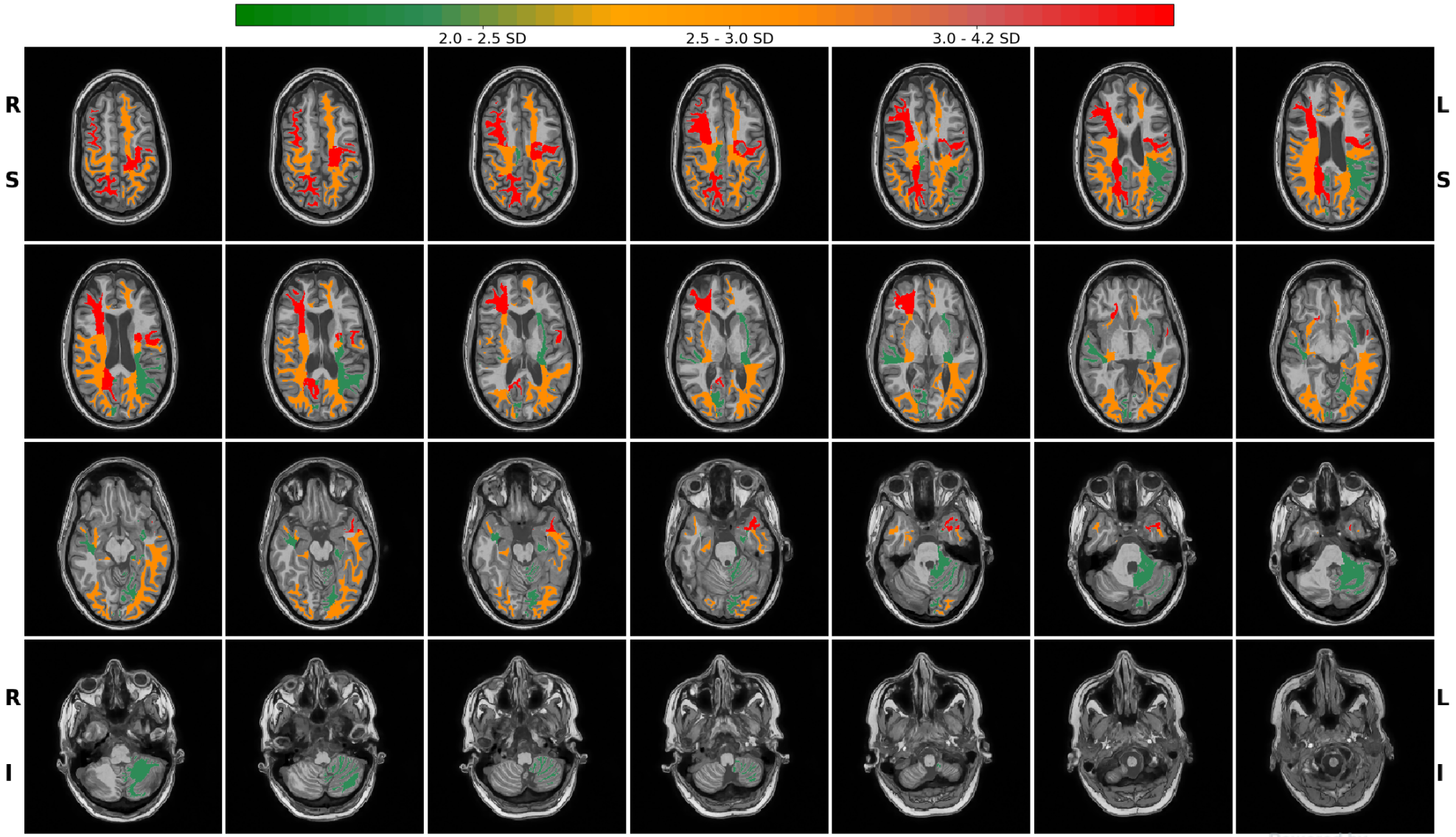
ROIs analysis - AXIAL - White matter



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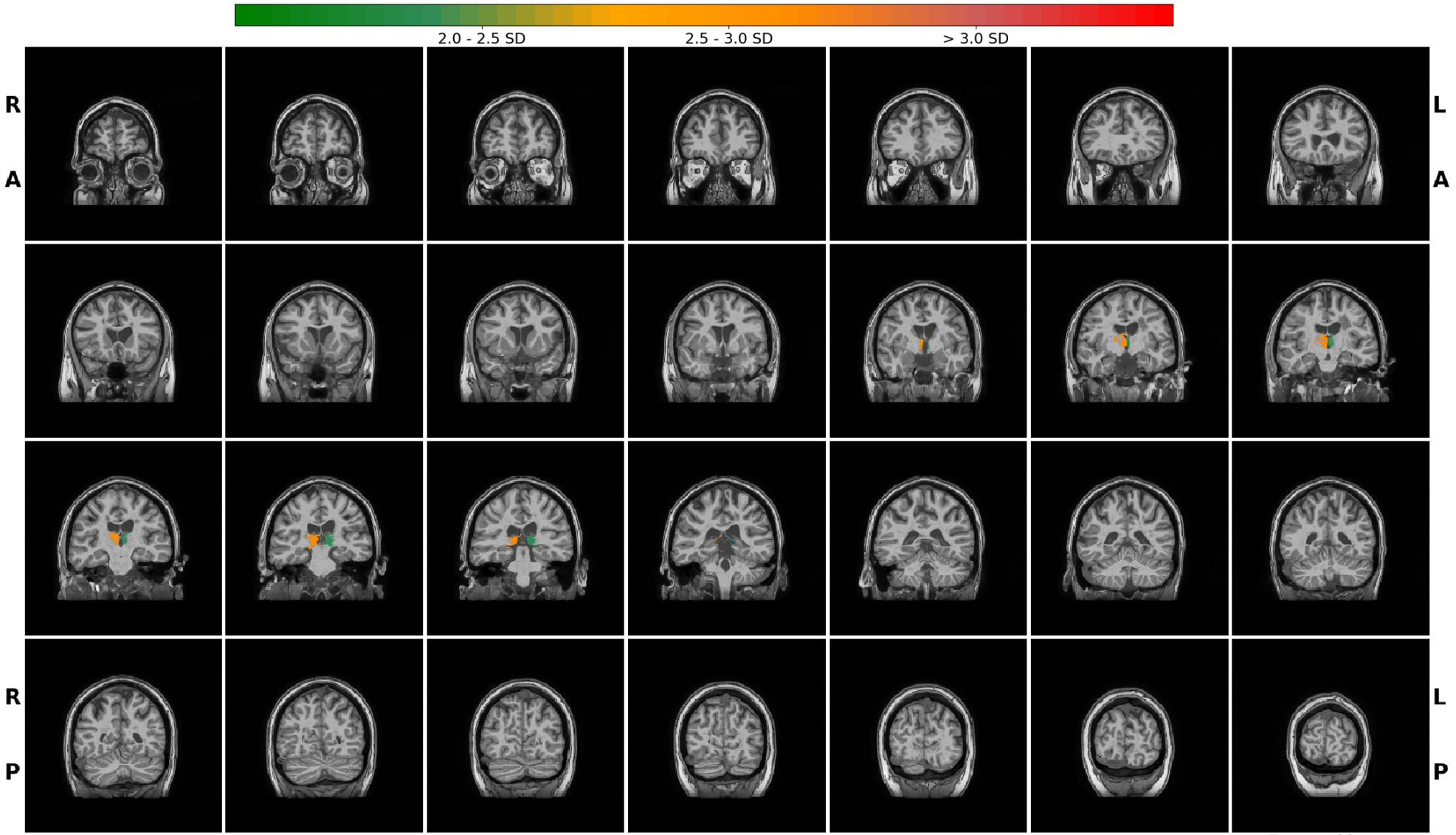
ROIs analysis - CORONAL - Grey Matter



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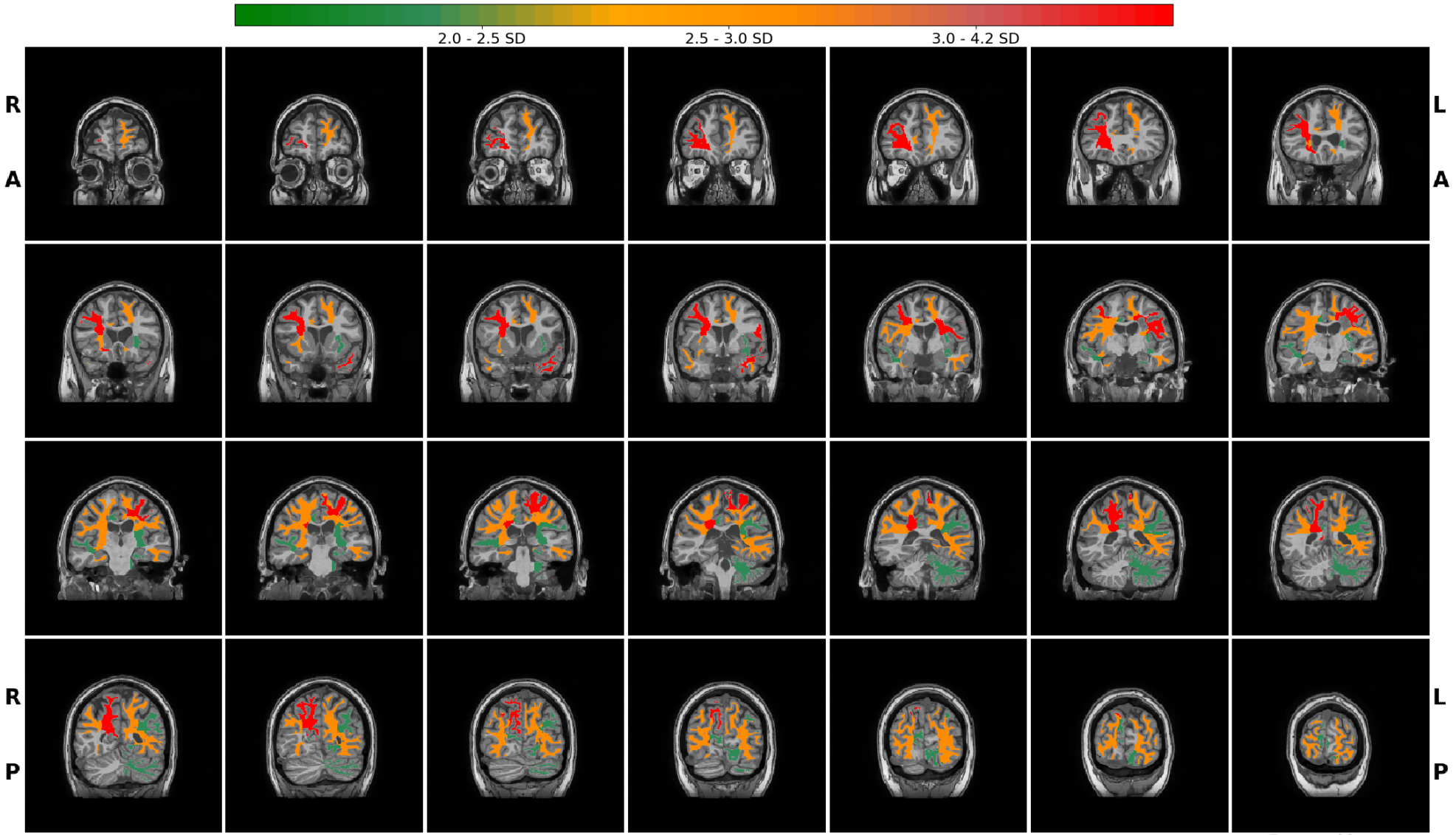
ROIs analysis - CORONAL - White matter



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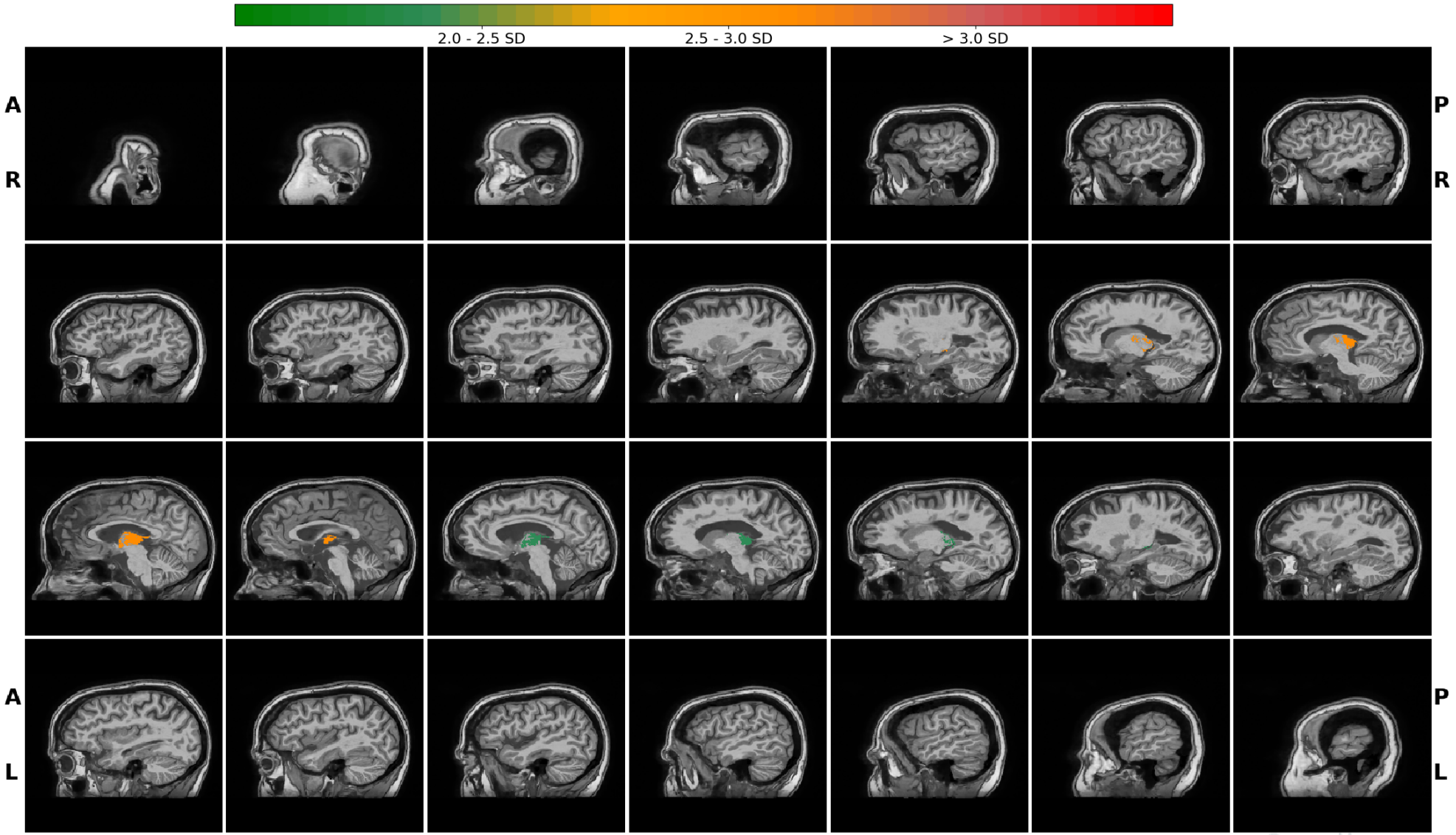
ROIs analysis - SAGITTAL - Grey Matter



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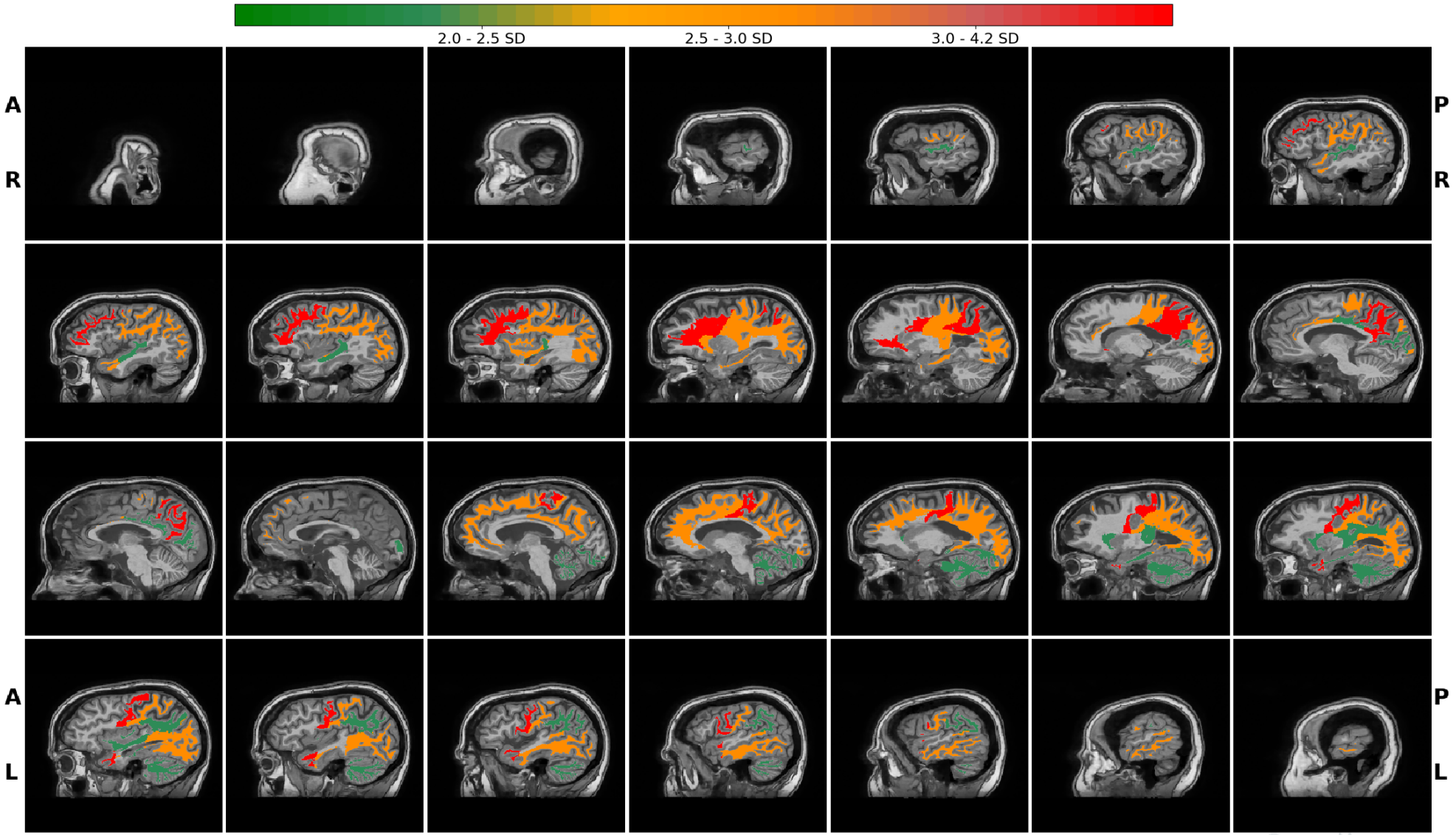
ROIs analysis - SAGITTAL - White matter



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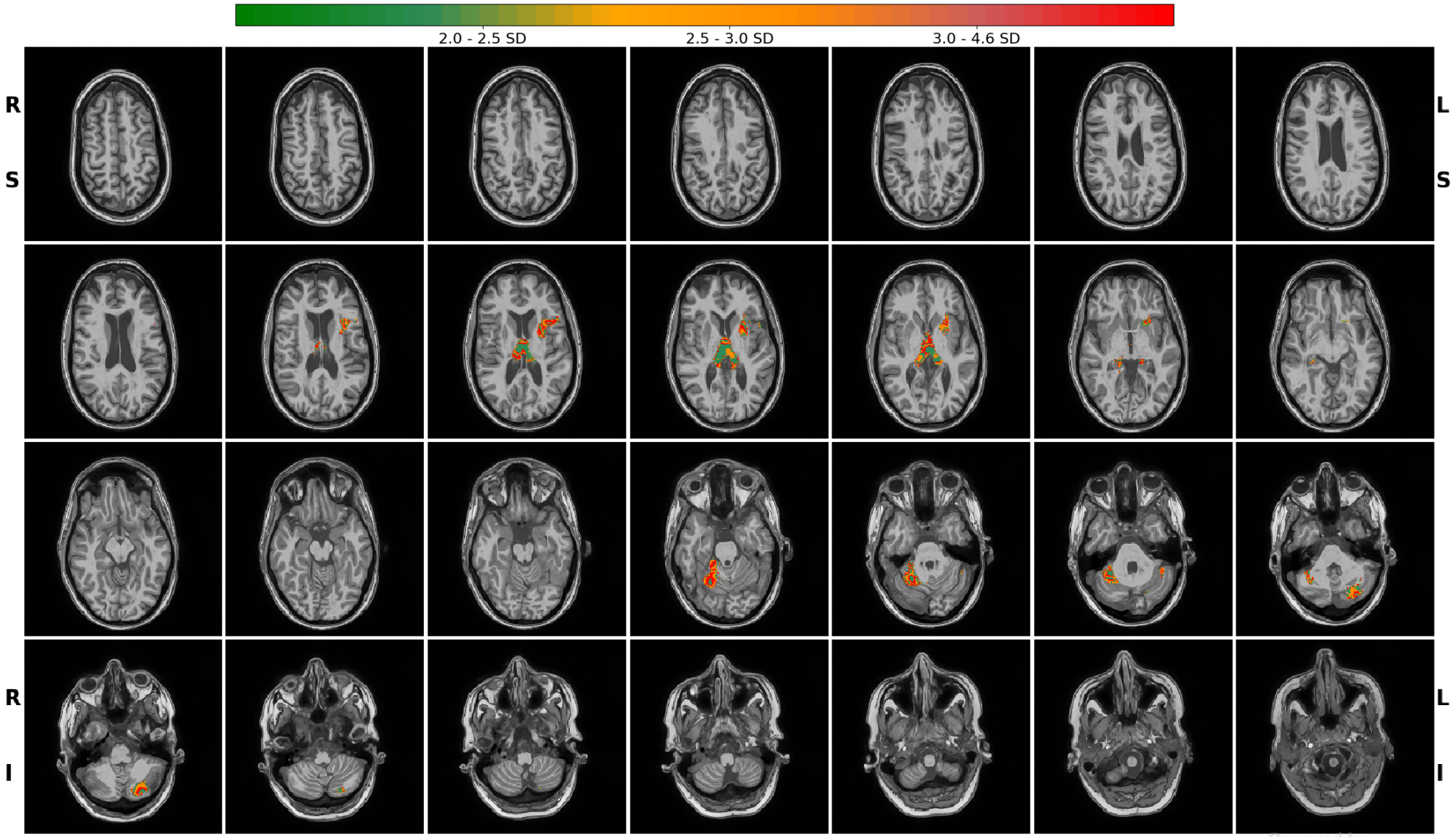
Voxel analysis - AXIAL - Grey Matter



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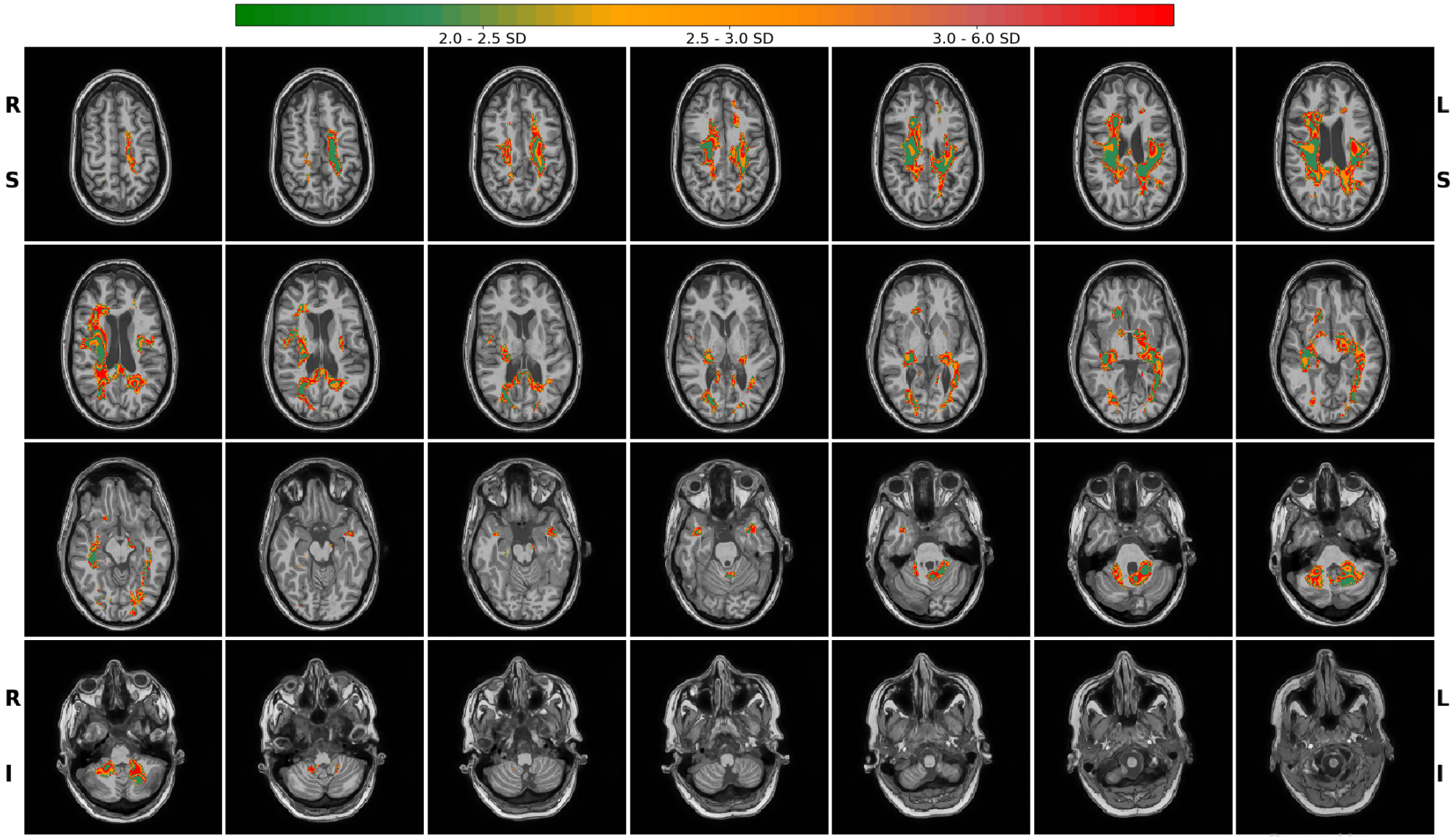
Voxel analysis - AXIAL - White matter



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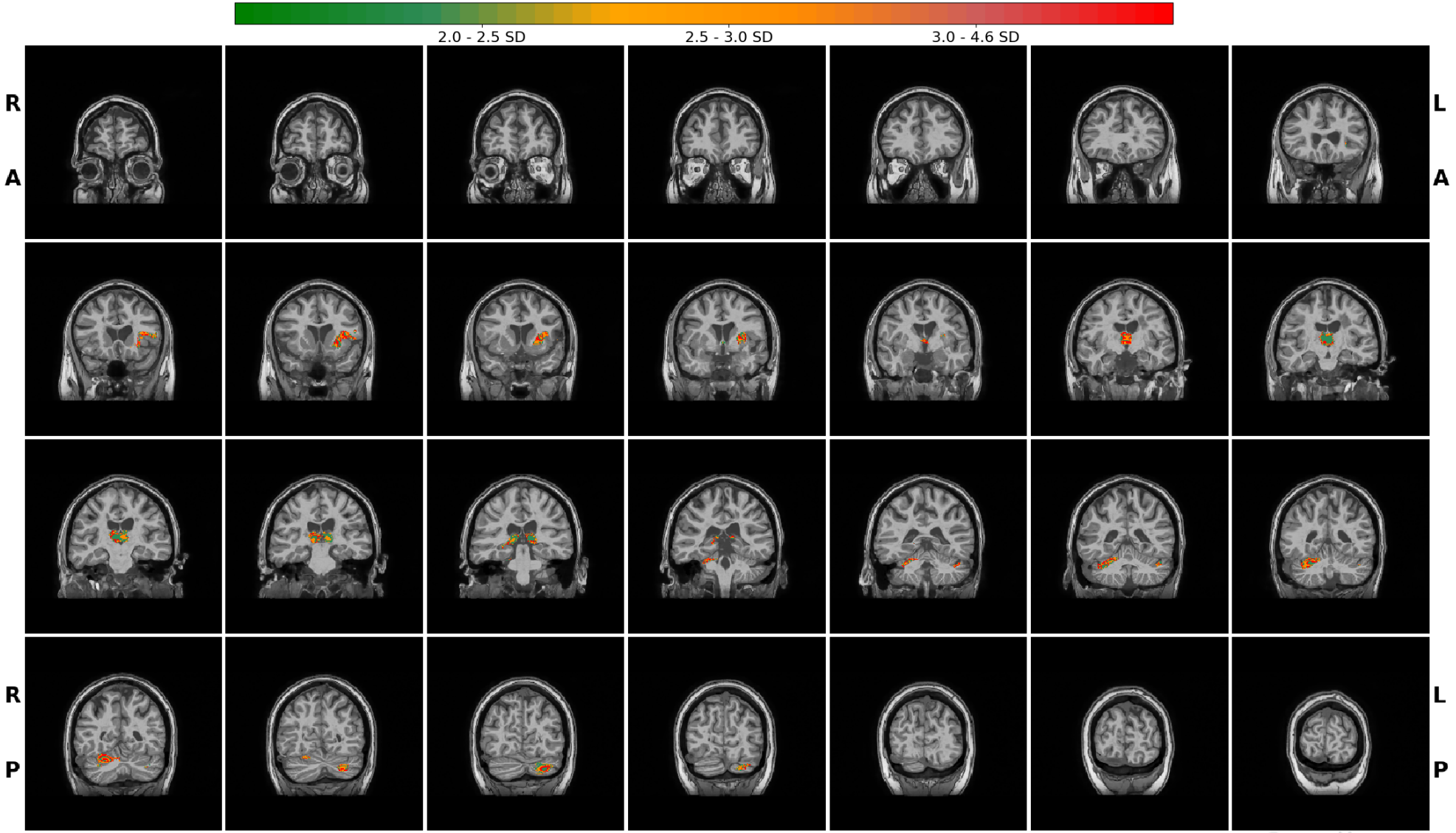
Voxel analysis - CORONAL - Grey Matter



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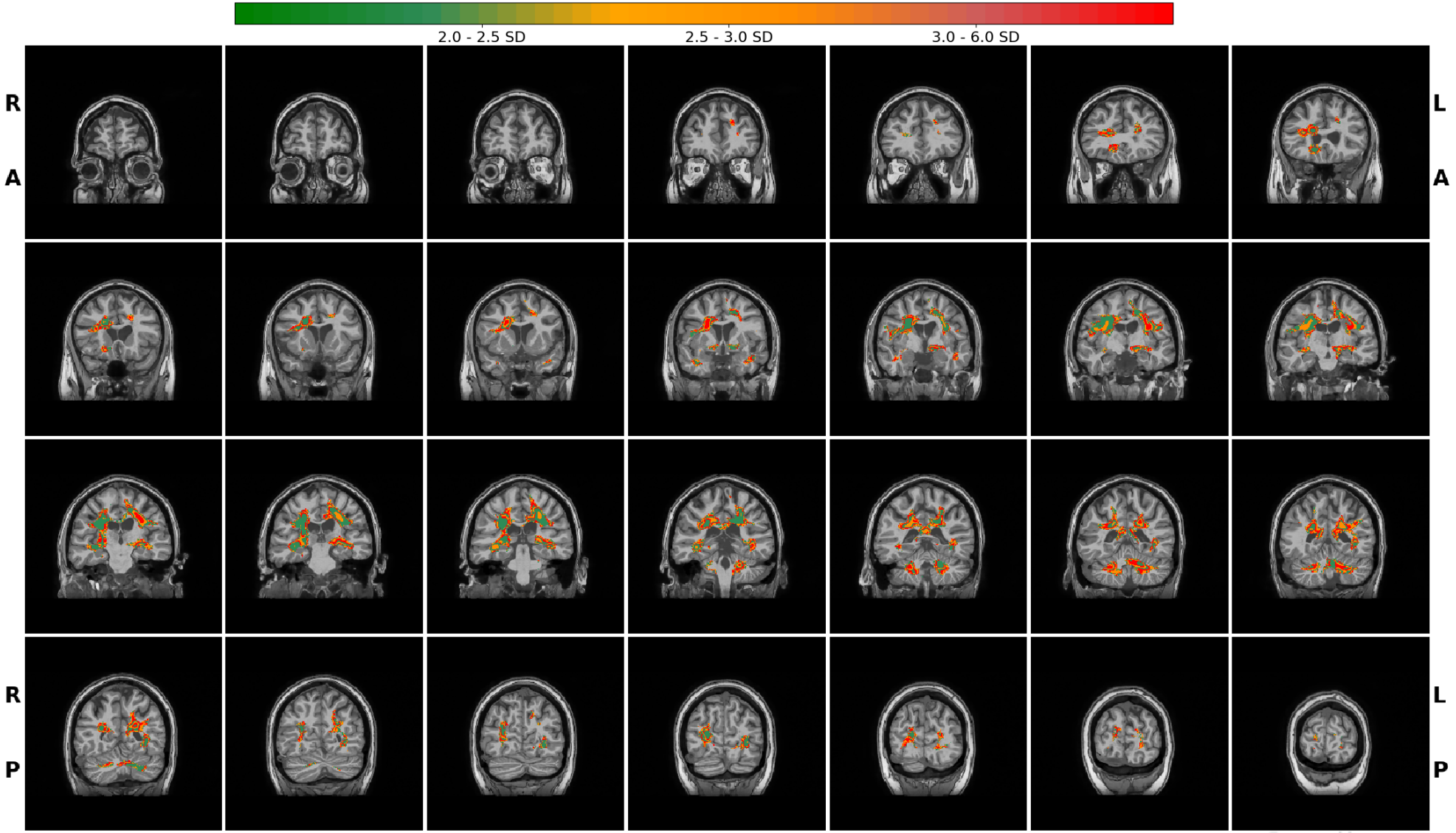
Voxel analysis - CORONAL - White matter



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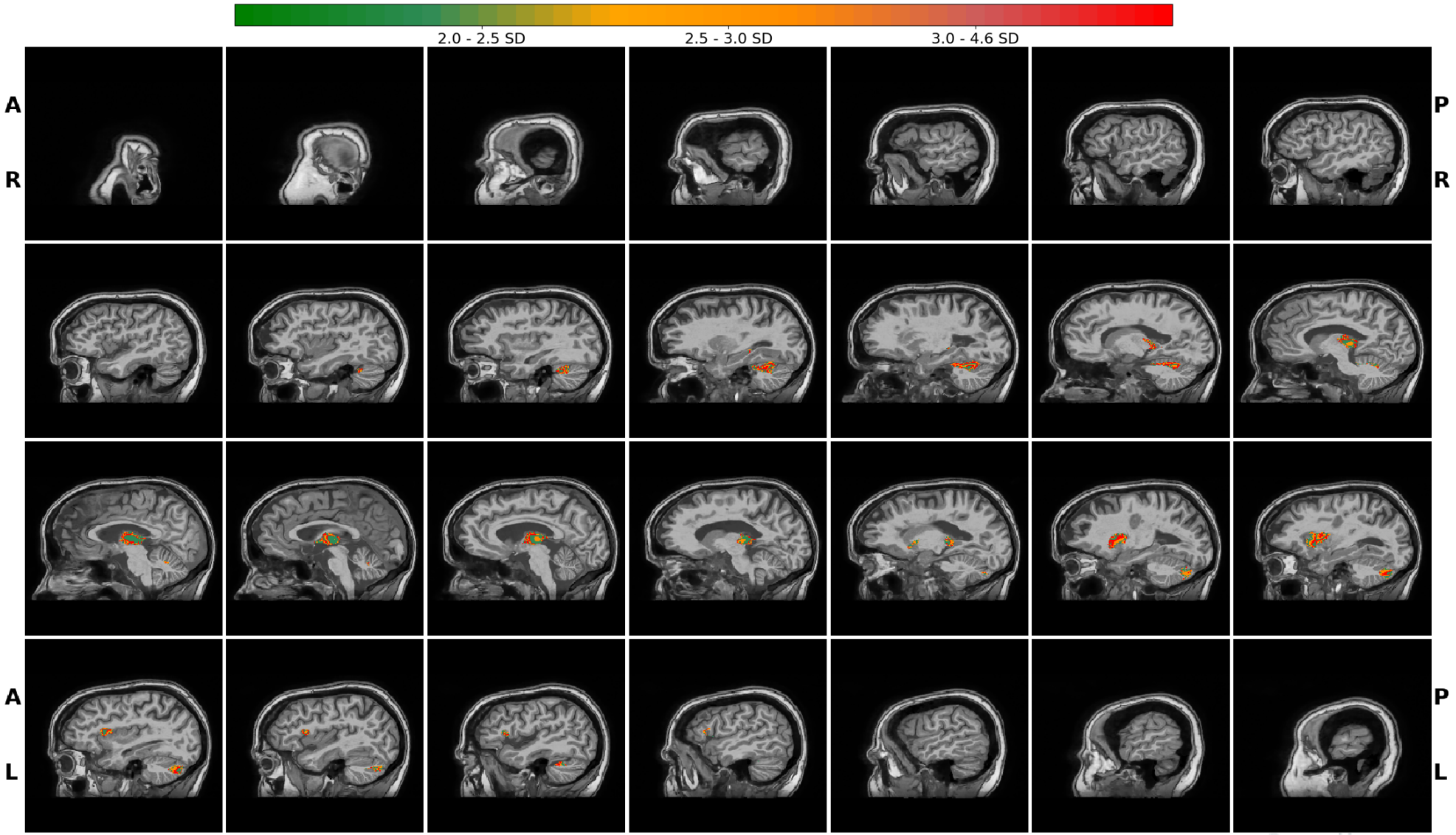
Voxel analysis - SAGITTAL - Grey Matter



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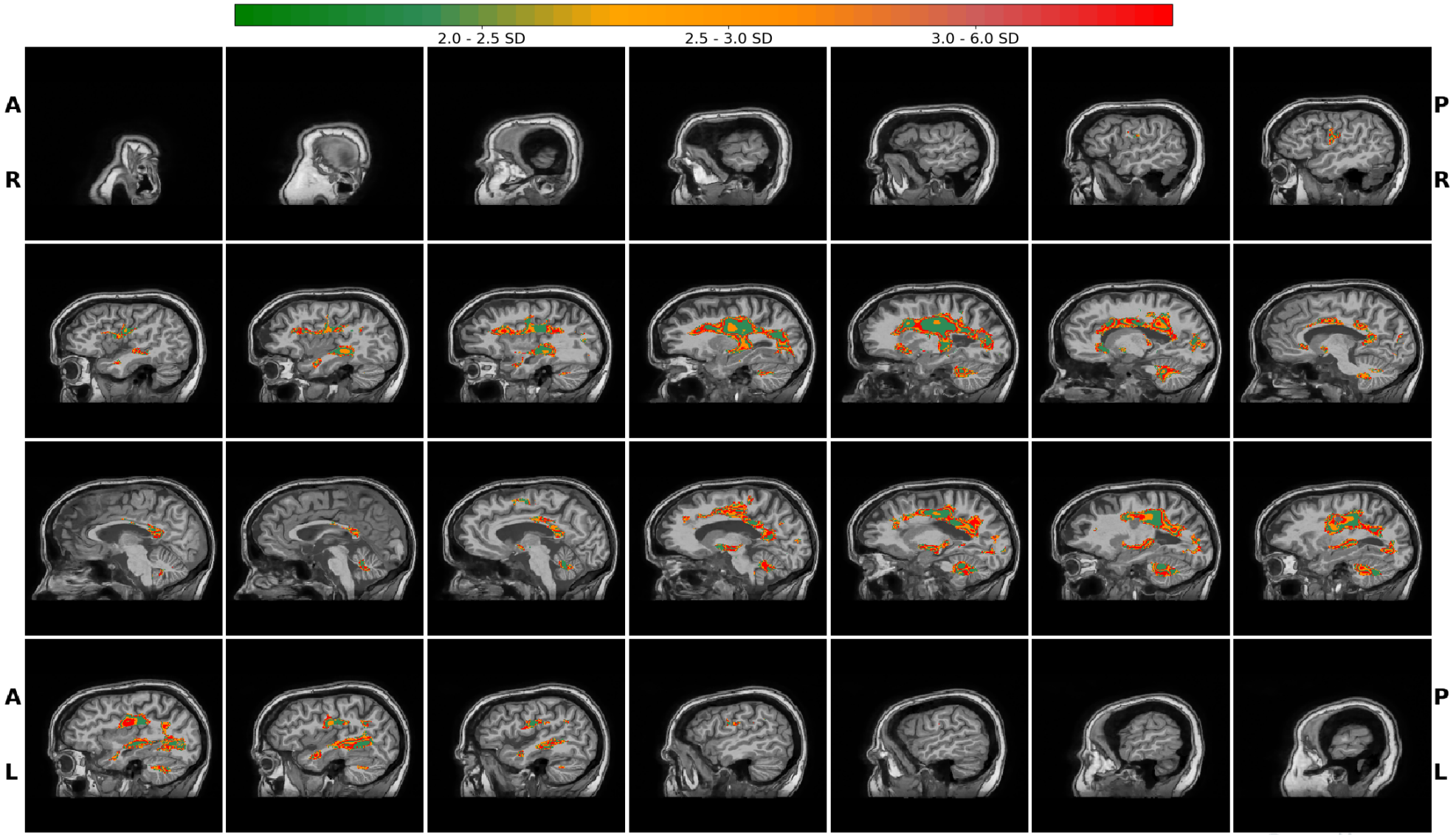
Voxel analysis - SAGITTAL - White matter



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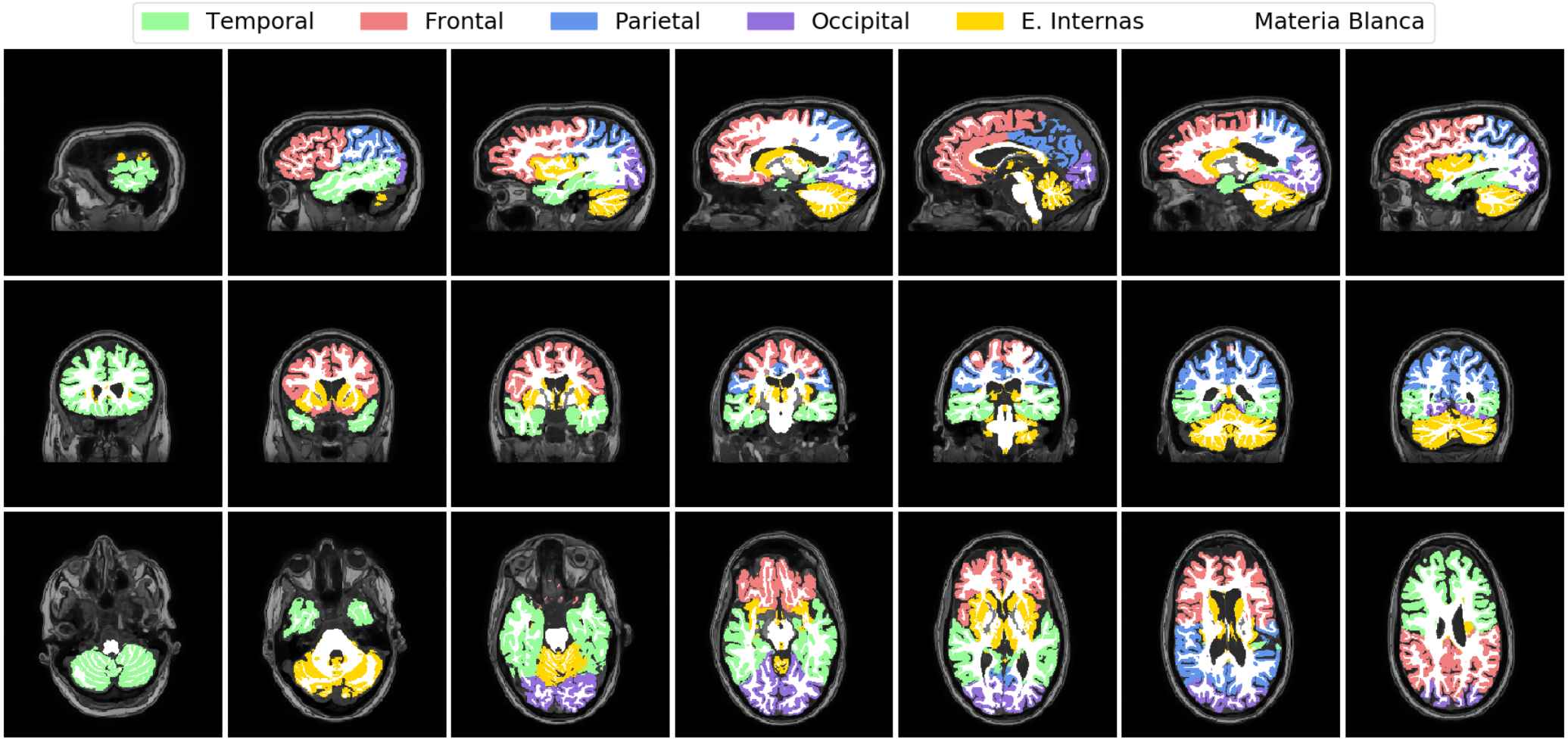
Tissues



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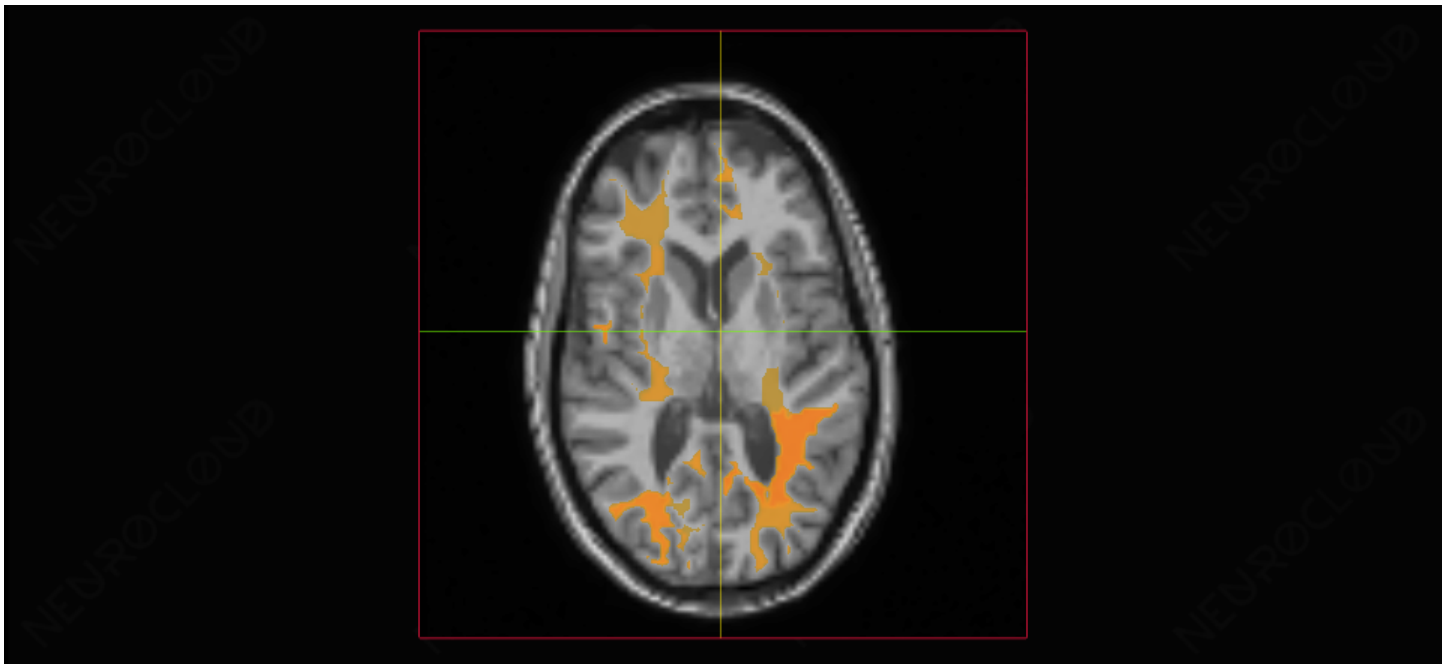

Description

Viewer screenshot 1

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