

**Supplementary Table 5.** TBSS results: size of clusters of RD in DM1 patients compared to healthy controls defined in ICBM-DTI-81 white-matter labels atlas (TFCE  $p < 0.05$  corrected for multiple comparisons). Coordinates are expressed in MNI standard space. Age and gender were used as covariate of no interest.

JHU ICBM-DTI-81 white-matter labels		Cluster mm <sup>3</sup>	p value	MNI coordinate		
				X (mm)	Y (mm)	Z (mm)
1	Middle cerebellar peduncle	10	0.0266	11	-33	-31
2	Pontine crossing tract (a part of MCP)	117	0.0264	3	-32	-34
3	Genu of corpus callosum	1763	0.0002	9	25	-7
4	Body of corpus callosum	3161	0.0002	-2	18	17
5	Splenium of corpus callosum	1993	0.0002	18	-42	7
6	Fornix (column and body of fornix)	158	0.0022	0	2	10
7	Corticospinal tract R	9	0.0154	12	-26	-24
8	Corticospinal tract L	1	0.0406	-4	-24	-23
9	Medial lemniscus R	11	0.0266	6	-34	-32
10	Medial lemniscus L	0	/	/	/	-72
11	Inferior cerebellar peduncle R	0	/	/	/	/
12	Inferior cerebellar peduncle L	0	/	/	/	/
13	Superior cerebellar peduncle R	42	0.0264	5	-30	-20
14	Superior cerebellar peduncle L	18	0.0264	-3	-34	-18
15	Cerebral peduncle R	202	0.0054	14	-24	-12
16	Cerebral peduncle L	45	0.0266	-16	-21	-11
17	Anterior limb of internal capsule R	313	0.0012	23	23	1
18	Anterior limb of internal capsule L	220	0.0008	-20	22	1
19	Posterior limb of	77	0.0054	22	-21	-2

	internal capsule R					
20	Posterior limb of internal capsule L	65	0.0266	-19	-20	-4
21	Retrolenticular part of internal capsule R	590	0.0002	40	-37	-3
22	Retrolenticular part of internal capsule L	479	0.0002	-41	-37	-3
23	Anterior corona radiata R	1463	0.0002	18	25	-13
24	Anterior corona radiata L	1500	0.0002	-11	30	-13
25	Superior corona radiata R	802	0.0002	18	14	30
26	Superior corona radiata L	719	0.0002	-17	14	30
27	Posterior corona radiata R	760	0.0002	30	-64	19
28	Posterior corona radiata L	621	0.0002	-28	-64	19
29	Posterior thalamic radiation R	1136	0.0002	34	-62	-3
30	Posterior thalamic radiation L	1048	0.0002	-34	-64	-3
31	Sagittal stratum R	595	0.0002	39	-9	-18
32	Sagittal stratum L	475	0.0002	-39	-36	-16
33	External capsule R	1288	0.0002	37	-11	-13
34	External capsule L	1290	0.0002	-36	-11	-13
35	Cingulum (cingulate gyrus) R	394	0.0002	11	-47	23
36	Cingulum (cingulate gyrus) L	349	0.0020	-8	-3	33
37	Cingulum (hippocampus) R	189	0.0002	21	-41	-3
38	Cingulum (hippocampus) L	115	0.0088	-22	-36	-11
39	Fornix (cres) / Stria terminalis R	217	0.0002	35	-8	-18
40	Fornix (cres) / Stria terminalis L	191	0.0002	-33	-7	-18
41	Superior longitudinal fasciculus R	1332	0.0002	43	-52	2
42	Superior longitudinal fasciculus L	1213	0.0002	-42	-46	2

43	Superior fronto-occipital fasciculus R	81	0.0052	22	8	22
44	Superior fronto-occipital fasciculus L	78	0.0034	-21	5	19
45	Uncinate fasciculus R	69	0.0002	33	5	-13
46	Uncinate fasciculus L	58	0.0002	-35	-2	-21
47	Tapetum R	31	0.0002	32	-52	13
48	Tapetum L	2	0.0002	-28	-52	17