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Data supplement

Table DS1 Neuroanatomical regions with reduced fractional anisotropy values in currently depressed group *v.* non-depressed group[a]

	MNI coordinates				
	x	*y*	*z*	*P* (minimum)	Cluster size, mm^3
Frontal lobe					
Inferior frontal gyrus L	120	160	81	0.030	80
Inferior frontal gyrus R	62	154	81	0.008	430
Superior frontal gyrus white matter L	110	138	111	0.030	249
Superior frontal gyrus white matter R	69	140	110	0.010	305
Lateral fronto-orbital gyrus R	58	174	65	0.014	21
Middle fronto-orbital gyrus L	109	146	56	0.030	34
Middle fronto-orbital gyrus white matter R	71	147	57	0.014	22
Middle frontal gyrus L	115	150	97	0.022	260
Middle frontal gyrus R	62	145	96	0.008	758
Precentral gyrus L	118	124	106	0.036	48
Precentral gyrus R	54	123	109	0.022	109
Parietal lobe					
Angular gyrus L	123	78	97	0.026	227
Angular gyrus R	56	76	95	0.038	126
Postcentral gyrus L	111	88	113	0.026	200
Postcentral gyrus R	69	89	111	0.038	146
Precuneus L	105	68	101	0.028	142
Precuneus R	77	63	110	0.034	101
Superior parietal lobule L	118	77	102	0.026	822
Superior parietal lobule R	73	70	106	0.032	545
Supramarginal gyrus L	122	86	98	0.028	141
Supramarginal gyrus R	49	89	106	0.040	155
Temporal lobe					
Fornix cres/stria terminalis L	117	105	65	0.024	244
Fornix cres/stria terminalis R	60	102	66	0.022	161
Inferior temporal gyrus L	120	116	60	0.026	21
Inferior temporal gyrus R	40	110	49	0.022	235
Middle temporal white matter L	132	98	68	0.028	67
Middle temporal gyrus R	41	97	57	0.020	694
Superior temporal gyrus L	128	97	72	0.024	461
Superior temporal gyrus R	49	102	69	0.022	225
Insular lobe					
Insula R	54	122	67	0.038	1
Occipital lobe					
Middle occipital white matter L	117	63	101	0.038	69
Middle occipital gyrus R	59	68	92	0.038	108
Superior occipital gyrus L	114	63	102	0.038	43
Superior occipital gyrus R	64	71	97	0.038	23
Basal ganglia					
Caudate nucleus L	102	139	65	0.030	4
Caudate nucleus R	79	138	63	0.008	58
External capsule L	114	142	83	0.012	251
External capsule R	64	145	78	0.008	411
Globus pallidus L	115	111	69	0.013	4
Globus pallidus R	64	111	69	0.024	1
Putamen L	110	146	70	0.022	186
Putamen R	75	138	63	0.008	95
Substantia nigra R	76	110	65	0.022	6
Midbrain					
Cerebral peduncle L	113	105	66	0.024	302
Cerebral peduncle R	80	120	63	0.014	244
Midbrain L	100	113	68	0.026	130
Midbrain R	82	109	67	0.010	39
Diencephalon					
Thalamus L	115	105	66	0.024	447
Thalamus R	81	109	69	0.010	375
Association fibre					
Cingulate gyrus L	107	82	101	0.030	136
Cingulate gyrus R	73	112	108	0.014	227
Cingulum cingulate gyrus L	103	93	103	0.036	13
Cingulum cingulate gyrus R	78	80	91	0.028	52
Parahippocampal cingulum L	104	76	91	0.046	2
Inferior fronto-occipital fasciculus L	123	117	63	0.028	139
Inferior fronto-occipital fasciculus R	67	137	59	0.026	106

(continued)

Table DS1 Neuroanatomical regions with reduced fractional anisotropy values in currently depressed group *v.* non-depressed group[a] *(continued)*

	MNI coordinates				
	x	*y*	*z*	*P* (minimum)	Cluster size, mm^3
Association fibre *(continued)*					
Superior fronto-occipital fasciculus L	112	134	90	0.022	13
Superior fronto-occipital fasciculus R	66	137	89	0.008	15
Superior longitudinal fasciculus L	121	83	99	0.026	439
Superior longitudinal fasciculus R	56	81	99	0.038	308
Sagittal stratum L	124	116	62	0.026	263
Sagittal stratum R	43	99	57	0.020	461
Uncinate fasciculus R	55	125	52	0.038	1
Projection fibre					
Anterior corona radiata L	115	154	79	0.020	552
Anterior corona radiata R	67	148	77	0.008	653
Superior corona radiata L	117	144	97	0.022	975
Superior corona radiata R	64	138	91	0.008	816
Posterior corona radiata L	121	79	97	0.026	307
Posterior corona radiata R	71	100	106	0.028	88
Anterior limb of internal capsule L	110	143	78	0.020	565
Anterior limb of internal capsule R	76	138	64	0.008	804
Posterior limb of internal capsule L	110	117	80	0.024	270
Posterior limb of internal capsule R	80	121	69	0.010	277
Retrolenticular part of internal capsule L	126	99	70	0.024	401
Retrolenticular part of internal capsule R	50	92	68	0.022	412
Posterior thalamic radiation L	126	91	75	0.036	209
Posterior thalamic radiation R	50	91	68	0.022	194
Commissural fibre					
Body of corpus callosum L	107	141	101	0.022	309
Body of corpus callosum R	76	138	99	0.008	720
Genu of corpus callosum R	76	149	92	0.010	110
Splenium of corpus callosum L	111	83	98	0.030	271
Splenium of corpus callosum R	74	95	100	0.026	728
Tapetum L	116	81	95	0.046	17
Tapetum R	64	92	98	0.044	2

L, left; R, right
a. Controlled for age, gender, years of education, mild cognitive impairment and Cardiovascular Risk Factor Index score.

Table DS2 Neuroanatomical regions with reduced fractional anisotropy values at T_1 that were associated with increased depressive symptoms at follow-up[a]

	MNI coordinates				
	x	*y*	*z*	*P* (minimum)	Cluster size, mm^3
Frontal lobe					
Inferior frontal gyrus L	119	146	92	0.044	8
Inferior frontal gyrus R	62	152	84	0.038	284
Superior frontal gyrus white matter L	110	133	112	0.032	161
Superior frontal gyrus white matter R	68	134	110	0.028	193
Middle frontal gyrus L	111	134	110	0.032	105
Middle frontal gyrus R	68	149	100	0.028	467
Precentral white matter L	114	101	113	0.042	2
Precentral gyrus R	66	100	114	0.036	268
Parietal lobe					
Angular gyrus L	121	75	97	0.036	111
Angular gyrus R	57	77	95	0.044	39
Postcentral gyrus L	121	98	114	0.034	107
Postcentral gyrus R	66	99	114	0.036	136
Precuneus L	100	63	100	0.036	89
Superior parietal lobule L	115	83	112	0.034	491
Superior parietal lobule R	66	86	114	0.044	94
Temporal lobe					
Middle temporal white matter L	123	75	92	0.036	10
Middle temporal white matter R	54	75	89	0.044	27
Occipital lobe					
Middle occipital white matter L	116	73	102	0.036	26
Superior occipital white matter L	115	72	100	0.040	10
Basal ganglia					
Caudate nucleus R	77	135	76	0.038	1
External capsule L	117	138	81	0.044	28
External capsule R	63	143	80	0.036	219
Association fibre					
Cingulum cingulate gyrus L	107	86	103	0.036	53
Cingulum cingulate gyrus R	75	76	94	0.044	65
Superior fronto-occipital fasciculus R	66	137	89	0.044	6
Superior longitudinal fasciculus L	123	108	102	0.034	342
Superior longitudinal fasciculus R	65	100	113	0.036	185
Projection fibre					
Anterior corona radiata L	112	148	80	0.044	284
Anterior corona radiata R	70	149	98	0.028	617
Superior corona radiata L	110	134	110	0.032	871
Superior corona radiata R	69	147	100	0.028	857
Posterior corona radiata L	112	95	112	0.036	272
Posterior corona radiata R	64	99	109	0.040	241
Anterior limb of internal capsule L	103	131	78	0.044	244
Anterior limb of internal capsule R	76	132	77	0.034	384
Posterior limb of internal capsule L	115	101	92	0.042	36
Posterior limb of internal capsule R	74	124	79	0.042	62
Retrolenticular part of internal capsule L	116	97	88	0.042	42
Posterior thalamic radiation L	126	68	76	0.036	370
Posterior thalamic radiation R	56	79	86	0.044	106
Commissural fibre					
Body of corpus callosum L	107	121	106	0.036	114
Body of corpus callosum R	75	146	96	0.028	489
Genu of corpus callosum R	75	153	89	0.028	260
Splenium of corpus callosum L	110	81	97	0.036	244
Splenium of corpus callosum R	66	92	100	0.042	511
Tapetum L	119	78	90	0.036	29
Tapetum R	60	79	90	0.044	52

L, left; R, right.
a. Controlled for age, gender, years of education, mild cognitive impairment, baseline Geriatric Depression Scale score and Cardiovascular Risk Factor Index score.

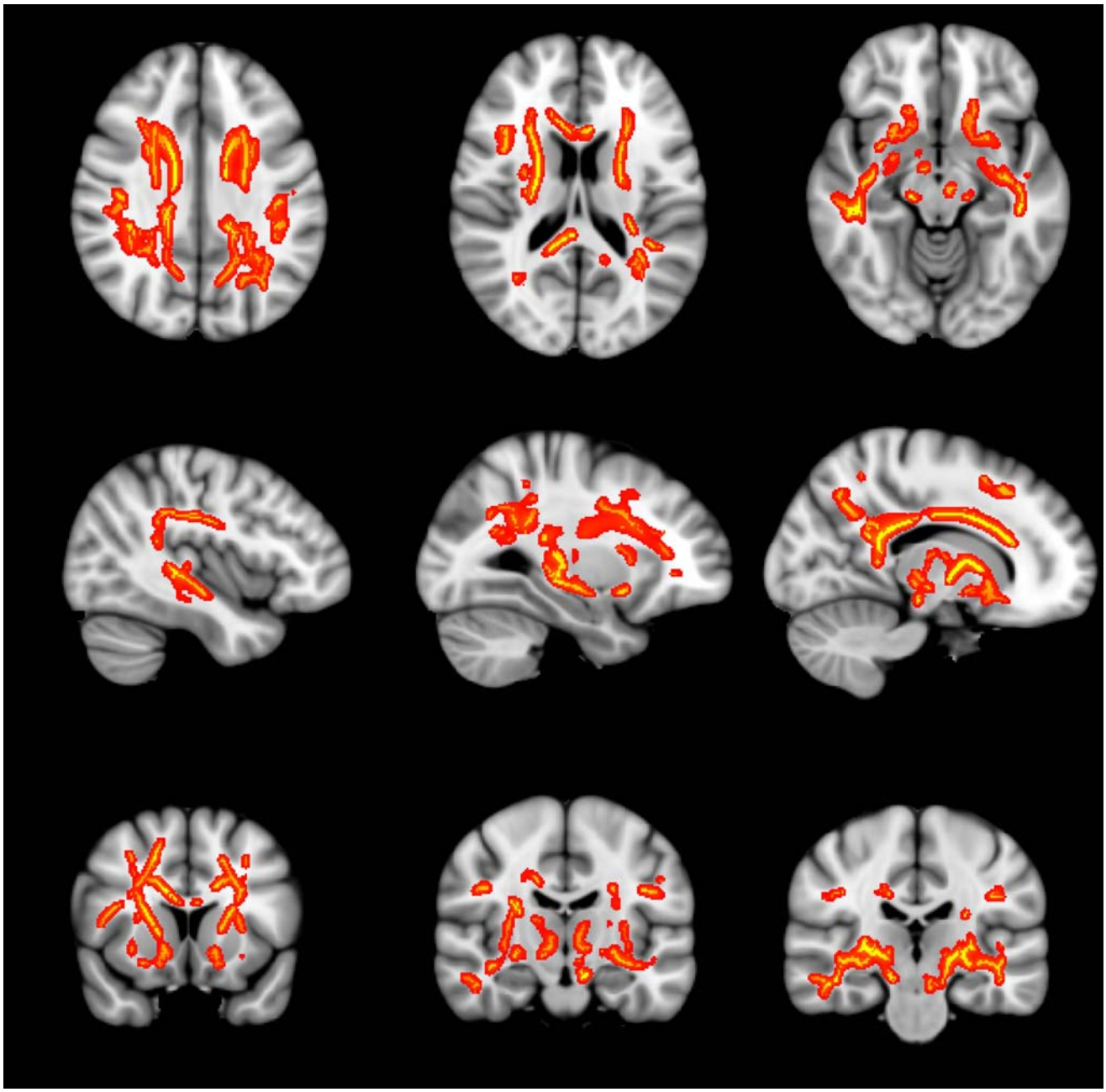

Fig. DS1 Anatomical localisation of fractional anisotropy (FA) reductions in currently depressed compared with non-depressed individuals. Voxels of significantly decreased FA are shown in red–yellow and overlaid on the Montreal Neurological Institute 152 T_1 template. The results are shown at $P<0.05$ corrected for multiple comparisons.

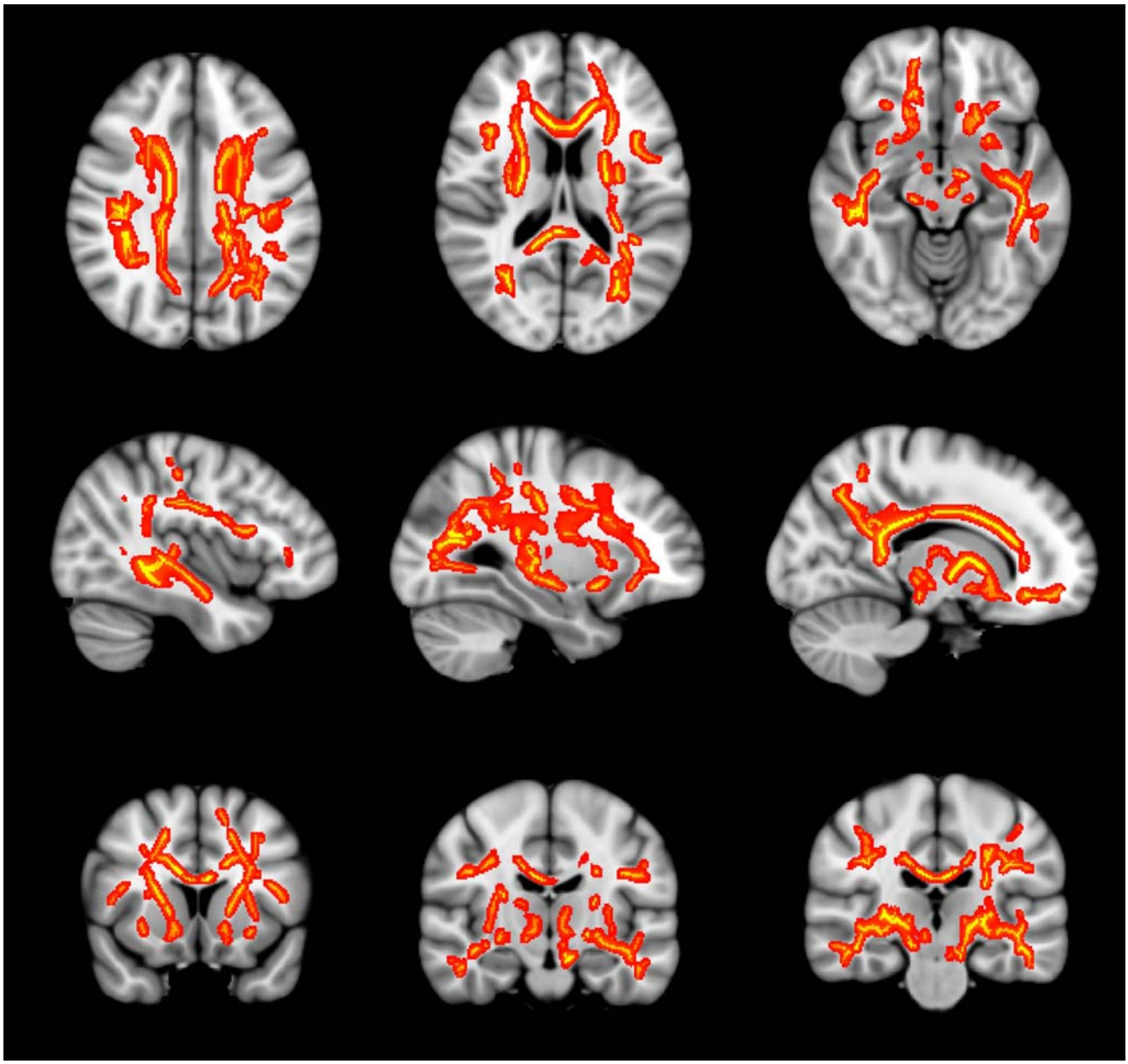

Fig. DS2 Anatomical localisation of significant correlations between fractional anisotropy (FA) values and Geriatric Depression Scale (GDS) scores in the whole sample. Voxels showing a significant relationship with GDS scores are shown in red–yellow and overlaid on the Montreal Neurological Institute 152 T_1 template. The results are shown at $P<0.05$ corrected for multiple comparisons.