

Supplementary table 2: The significantly identified causal BIDs associated with different types of OA

Exposure	Outcome	Method	N.snp	BETA	SE.BETA	p value	IDP short name	Category name	rg	se.rg	p.rg
126	KNEE OA	Anverse variance weightec	33	0.092380499	0.030326556	0.0023176	IDP_T1_FAST_ROIs_L_putamen	regional and tissue volume	-0.0745	0.0374	0.0465
126	KNEE OA	MR Egger	33	0.125970797	0.052078434	0.0216313	IDP_T1_FAST_ROIs_L_putamen	regional and tissue volume	-0.0745	0.0374	0.0465
126	KNEE OA	Simple mode	33	0.082439083	0.083402209	0.3303468	IDP_T1_FAST_ROIs_L_putamen	regional and tissue volume	-0.0745	0.0374	0.0465
126	KNEE OA	Weighted median	33	0.139317519	0.031570793	1.02E-05	IDP_T1_FAST_ROIs_L_putamen	regional and tissue volume	-0.0745	0.0374	0.0465
126	KNEE OA	Weighted mode	33	0.142630333	0.033016691	0.0001414	IDP_T1_FAST_ROIs_L_putamen	regional and tissue volume	-0.0745	0.0374	0.0465
127	KNEE OA	Anverse variance weightec	32	0.103335585	0.028989871	0.0003645	IDP_T1_FAST_ROIs_R_putamen	regional and tissue volume	-0.0663	0.037	0.0737
127	KNEE OA	MR Egger	32	0.134567216	0.049313384	0.0105265	IDP_T1_FAST_ROIs_R_putamen	regional and tissue volume	-0.0663	0.037	0.0737
127	KNEE OA	Simple mode	32	0.078613791	0.066093583	0.2433007	IDP_T1_FAST_ROIs_R_putamen	regional and tissue volume	-0.0663	0.037	0.0737
127	KNEE OA	Weighted median	32	0.147036149	0.030438466	1.36E-06	IDP_T1_FAST_ROIs_R_putamen	regional and tissue volume	-0.0663	0.037	0.0737
127	KNEE OA	Weighted mode	32	0.147664831	0.03205081	6.60E-05	IDP_T1_FAST_ROIs_R_putamen	regional and tissue volume	-0.0663	0.037	0.0737
136	KNEE OA	Anverse variance weightec	13	0.149806681	0.047387412	0.0015706	IDP_T1_FAST_ROIs_brain_stem	regional and tissue volume	-0.0384	0.041	0.3484
136	KNEE OA	MR Egger	13	0.467164091	0.095103718	0.0004626	IDP_T1_FAST_ROIs_brain_stem	regional and tissue volume	-0.0384	0.041	0.3484
136	KNEE OA	Simple mode	13	0.004175064	0.111612807	0.9707758	IDP_T1_FAST_ROIs_brain_stem	regional and tissue volume	-0.0384	0.041	0.3484
136	KNEE OA	Weighted median	13	0.148588075	0.060697024	0.014364	IDP_T1_FAST_ROIs_brain_stem	regional and tissue volume	-0.0384	0.041	0.3484
136	KNEE OA	Weighted mode	13	0.075289775	0.125912923	0.5609883	IDP_T1_FAST_ROIs_brain_stem	regional and tissue volume	-0.0384	0.041	0.3484
144	KNEE OA	Anverse variance weightec	33	0.086203133	0.022786896	0.0001549	IDP_T1_FAST_ROIs_L_cerebellum_crus_I	regional and tissue volume	-0.0437	0.0292	0.135
144	KNEE OA	MR Egger	33	0.156692715	0.057184834	0.0100964	IDP_T1_FAST_ROIs_L_cerebellum_crus_I	regional and tissue volume	-0.0437	0.0292	0.135
144	KNEE OA	Simple mode	33	0.014650322	0.06485547	0.8227221	IDP_T1_FAST_ROIs_L_cerebellum_crus_I	regional and tissue volume	-0.0437	0.0292	0.135
144	KNEE OA	Weighted median	33	0.098245933	0.033484919	0.0033459	IDP_T1_FAST_ROIs_L_cerebellum_crus_I	regional and tissue volume	-0.0437	0.0292	0.135
144	KNEE OA	Weighted mode	33	0.124338918	0.054321473	0.0288282	IDP_T1_FAST_ROIs_L_cerebellum_crus_I	regional and tissue volume	-0.0437	0.0292	0.135
165	KNEE OA	Anverse variance weightec	21	-0.123124525	0.04585105	0.0072461	aseg_global_volume_BrainSeg	regional and tissue volume	-0.0744	0.0358	0.0378
165	KNEE OA	MR Egger	21	0.026413569	0.145279309	0.8576557	aseg_global_volume_BrainSeg	regional and tissue volume	-0.0744	0.0358	0.0378
165	KNEE OA	Simple mode	21	-0.050283413	0.097718544	0.6124906	aseg_global_volume_BrainSeg	regional and tissue volume	-0.0744	0.0358	0.0378
165	KNEE OA	Weighted median	21	-0.101727673	0.048115532	0.034495	aseg_global_volume_BrainSeg	regional and tissue volume	-0.0744	0.0358	0.0378
165	KNEE OA	Weighted mode	21	-0.114993722	0.097609365	0.2525844	aseg_global_volume_BrainSeg	regional and tissue volume	-0.0744	0.0358	0.0378
187	HIP OA	Anverse variance weightec	22	-0.202345447	0.062529007	0.0012121	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1295	0.0465	0.0053
187	KNEE OA	Anverse variance weightec	22	-0.113804397	0.036533559	0.001839	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1088	0.0378	0.0039
187	HIP OA	MR Egger	22	-0.137240009	0.17238419	0.4353058	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1295	0.0465	0.0053
187	KNEE OA	MR Egger	22	-0.043268546	0.099463361	0.668206	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1088	0.0378	0.0039
187	HIP OA	Simple mode	22	-0.214950381	0.094986469	0.0343591	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1295	0.0465	0.0053
187	KNEE OA	Simple mode	22	-0.082610097	0.079256279	0.3091167	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1088	0.0378	0.0039
187	HIP OA	Weighted median	22	-0.193567329	0.056274404	0.0005823	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1295	0.0465	0.0053
187	KNEE OA	Weighted median	22	-0.082922824	0.040460153	0.0404139	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1088	0.0378	0.0039
187	HIP OA	Weighted mode	22	-0.181152958	0.064073255	0.0100922	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1295	0.0465	0.0053
187	KNEE OA	Weighted mode	22	-0.082610097	0.055771796	0.1533984	aseg_global_volume-ratio_BrainSegVol-to-eTIV	regional and tissue volume	-0.1088	0.0378	0.0039
197	TINGER OA	Anverse variance weightec	26	0.203933552	0.08016901	0.0109655	aseg_lh_volume_Putamen	regional and tissue volume	0.1563	0.0765	0.0412
197	TINGER OA	MR Egger	26	0.158991113	0.288108354	0.586157	aseg_lh_volume_Putamen	regional and tissue volume	0.1563	0.0765	0.0412
197	TINGER OA	Simple mode	26	0.23807452	0.182256962	0.2033561	aseg_lh_volume_Putamen	regional and tissue volume	0.1563	0.0765	0.0412
197	TINGER OA	Weighted median	26	0.201189295	0.101515255	0.0474946	aseg_lh_volume_Putamen	regional and tissue volume	0.1563	0.0765	0.0412
197	TINGER OA	Weighted mode	26	0.20214645	0.121819627	0.1095315	aseg_lh_volume_Putamen	regional and tissue volume	0.1563	0.0765	0.0412
227	HIP OA	Anverse variance weightec	3	0.442717881	0.070588485	3.57E-10	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.0136	0.0543	0.8018
227	KNEE OA	Anverse variance weightec	3	0.277486465	0.053280081	1.91E-07	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.036	0.0471	0.4446
227	SPINE OA	Anverse variance weightec	3	0.282068729	0.077256874	0.0002612	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.1333	0.0683	0.0508
227	HIP OA	MR Egger	3	0.556261224	0.351979533	0.3591552	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.0136	0.0543	0.8018
227	KNEE OA	MR Egger	3	0.35965995	0.263788726	0.4028643	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.036	0.0471	0.4446
227	SPINE OA	MR Egger	3	-0.00016985	0.382254257	0.9997171	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.1333	0.0683	0.0508
227	HIP OA	Simple mode	3	0.462670267	0.104094571	0.0470734	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.0136	0.0543	0.8018
227	KNEE OA	Simple mode	3	0.258864435	0.07379508	0.0725351	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.036	0.0471	0.4446
227	SPINE OA	Simple mode	3	0.353452025	0.126576491	0.1078867	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.1333	0.0683	0.0508
227	HIP OA	Weighted median	3	0.457010571	0.080471444	1.35E-08	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.0136	0.0543	0.8018
227	KNEE OA	Weighted median	3	0.2790995	0.059089088	2.32E-06	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.036	0.0471	0.4446
227	SPINE OA	Weighted median	3	0.27573291	0.081900021	0.0007607	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.1333	0.0683	0.0508
227	HIP OA	Weighted mode	3	0.457997406	0.087864699	0.0348899	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.0136	0.0543	0.8018
227	KNEE OA	Weighted mode	3	0.285113028	0.062255635	0.0445188	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.036	0.0471	0.4446
227	SPINE OA	Weighted mode	3	0.24936038	0.089651093	0.1086039	AmygNuclei_lh_volume_Central-nucleus	regional and tissue volume	0.1333	0.0683	0.0508
228	KNEE OA	Anverse variance weightec	4	0.291132933	0.049082757	3.00E-09	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.0267	0.0494	0.5887
228	SPINE OA	Anverse variance weightec	4	0.269772143	0.071035589	0.000146	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.1094	0.0728	0.133
228	HIP OA	Anverse variance weightec	4	0.367143112	0.10628329	0.0005516	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	-0.0091	0.0556	0.8703

228	HIP OA	MR Egger	4	0.606221575	0.109529141	0.0311274	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	-0.0091	0.0556	0.8703
228	KNEE OA	MR Egger	4	0.203540618	0.08420188	0.136863	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.0267	0.0494	0.5887
228	SPINE OA	MR Egger	4	0.255333665	0.121383211	0.1701152	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.1094	0.0728	0.133
228	HIP OA	Simple mode	4	0.432814559	0.114054597	0.0321179	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	-0.0091	0.0556	0.8703
228	KNEE OA	Simple mode	4	0.270223837	0.083027293	0.0473231	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.0267	0.0494	0.5887
228	SPINE OA	Simple mode	4	0.258414353	0.116210195	0.1126566	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.1094	0.0728	0.133
228	HIP OA	Weighted median	4	0.418110713	0.077507007	6.87E-08	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	-0.0091	0.0556	0.8703
228	KNEE OA	Weighted median	4	0.27442556	0.056296357	1.09E-06	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.0267	0.0494	0.5887
228	SPINE OA	Weighted median	4	0.24279113	0.076786396	0.0015674	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.1094	0.0728	0.133
228	HIP OA	Weighted mode	4	0.43521055	0.080380318	0.0123567	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	-0.0091	0.0556	0.8703
228	KNEE OA	Weighted mode	4	0.273430718	0.059931317	0.0197448	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.0267	0.0494	0.5887
228	SPINE OA	Weighted mode	4	0.238462424	0.084830137	0.0672338	AmygNuclei_lh_volume_Medial-nucleus	regional and tissue volume	0.1094	0.0728	0.133
237	KNEE OA	inverse variance weightec	6	0.178955911	0.040579507	1.03E-05	AmygNuclei_rh_volume_Central-nucleus	regional and tissue volume	-0.0899	0.049	0.0664
237	KNEE OA	MR Egger	6	0.265182625	0.061468821	0.0125055	AmygNuclei_rh_volume_Central-nucleus	regional and tissue volume	-0.0899	0.049	0.0664
237	KNEE OA	Simple mode	6	0.145517731	0.0682058	0.0860211	AmygNuclei_rh_volume_Central-nucleus	regional and tissue volume	-0.0899	0.049	0.0664
237	KNEE OA	Weighted median	6	0.197670887	0.044509133	8.95E-06	AmygNuclei_rh_volume_Central-nucleus	regional and tissue volume	-0.0899	0.049	0.0664
237	KNEE OA	Weighted mode	6	0.214895594	0.048729089	0.0069565	AmygNuclei_rh_volume_Central-nucleus	regional and tissue volume	-0.0899	0.049	0.0664
238	HIP OA	inverse variance weightec	5	0.279053828	0.065593748	2.10E-05	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.0393	0.0526	0.4555
238	KNEE OA	inverse variance weightec	6	0.1743787	0.044114702	7.72E-05	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.1176	0.0541	0.0296
238	KNEE OA	MR Egger	6	0.282506577	0.058274722	0.0083525	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.1176	0.0541	0.0296
238	HIP OA	MR Egger	5	0.416267871	0.077090937	0.0124503	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.0393	0.0526	0.4555
238	KNEE OA	Simple mode	6	0.165499395	0.068008311	0.0591239	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.1176	0.0541	0.0296
238	HIP OA	Simple mode	5	0.004558741	0.13816269	0.975259	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.0393	0.0526	0.4555
238	HIP OA	Weighted median	5	0.312734493	0.057061076	4.24E-08	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.0393	0.0526	0.4555
238	KNEE OA	Weighted median	6	0.208822033	0.043479443	1.56E-06	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.1176	0.0541	0.0296
238	KNEE OA	Weighted mode	6	0.20452238	0.043242923	0.0052906	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.1176	0.0541	0.0296
238	HIP OA	Weighted mode	5	0.332533939	0.063038831	0.0061908	AmygNuclei_rh_volume_Medial-nucleus	regional and tissue volume	-0.0393	0.0526	0.4555
239	HIP OA	inverse variance weightec	3	0.375526055	0.066046771	1.30E-08	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.049	0.048	0.307
239	KNEE OA	inverse variance weightec	3	0.243321133	0.047416816	2.87E-07	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.1392	0.046	0.0025
239	HIP OA	MR Egger	3	0.520463695	0.118334201	0.1423243	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.049	0.048	0.307
239	KNEE OA	MR Egger	3	0.290115963	0.090571298	0.1926427	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.1392	0.046	0.0025
239	HIP OA	Simple mode	3	0.415054159	0.107225136	0.060724	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.049	0.048	0.307
239	KNEE OA	Simple mode	3	0.245059862	0.06951935	0.0719042	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.1392	0.046	0.0025
239	HIP OA	Weighted median	3	0.40969041	0.070270111	5.54E-09	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.049	0.048	0.307
239	KNEE OA	Weighted median	3	0.249900367	0.051616509	1.29E-06	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.1392	0.046	0.0025
239	HIP OA	Weighted mode	3	0.410822755	0.077973735	0.034187	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.049	0.048	0.307
239	KNEE OA	Weighted mode	3	0.254237684	0.056807529	0.0464738	AmygNuclei_rh_volume_Cortical-nucleus	regional and tissue volume	-0.1392	0.046	0.0025
289	KNEE OA	inverse variance weightec	4	0.271353985	0.075609387	0.0003321	ThalamNuclei_lh_volume_PuL	regional and tissue volume	-0.0182	0.0404	0.6526
289	KNEE OA	MR Egger	4	0.49370394	0.123567484	0.0573111	ThalamNuclei_lh_volume_PuL	regional and tissue volume	-0.0182	0.0404	0.6526
289	KNEE OA	Simple mode	4	0.109443601	0.156388232	0.5344248	ThalamNuclei_lh_volume_PuL	regional and tissue volume	-0.0182	0.0404	0.6526
289	KNEE OA	Weighted median	4	0.259126257	0.081522418	0.0014799	ThalamNuclei_lh_volume_PuL	regional and tissue volume	-0.0182	0.0404	0.6526
289	KNEE OA	Weighted mode	4	0.383013193	0.091446807	0.0248135	ThalamNuclei_lh_volume_PuL	regional and tissue volume	-0.0182	0.0404	0.6526
307	KNEE OA	inverse variance weightec	5	-0.542238518	0.078421528	4.70E-12	ThalamNuclei_lh_volume_AV	regional and tissue volume	0.0181	0.0412	0.6602
307	KNEE OA	MR Egger	5	-1.080097955	0.593028894	0.1661009	ThalamNuclei_lh_volume_AV	regional and tissue volume	0.0181	0.0412	0.6602
307	KNEE OA	Simple mode	5	-0.544165391	0.159463639	0.026966	ThalamNuclei_lh_volume_AV	regional and tissue volume	0.0181	0.0412	0.6602
307	KNEE OA	Weighted median	5	-0.511298392	0.112849444	5.88E-06	ThalamNuclei_lh_volume_AV	regional and tissue volume	0.0181	0.0412	0.6602
307	KNEE OA	Weighted mode	5	-0.485042085	0.142315782	0.0270719	ThalamNuclei_lh_volume_AV	regional and tissue volume	0.0181	0.0412	0.6602
315	KNEE OA	inverse variance weightec	4	0.286171034	0.061660405	3.47E-06	ThalamNuclei_rh_volume_L-Sg	regional and tissue volume	0.0037	0.0449	0.9344
315	KNEE OA	MR Egger	4	0.261581319	0.326479493	0.5070663	ThalamNuclei_rh_volume_L-Sg	regional and tissue volume	0.0037	0.0449	0.9344
315	KNEE OA	Simple mode	4	0.279007319	0.106145383	0.0784235	ThalamNuclei_rh_volume_L-Sg	regional and tissue volume	0.0037	0.0449	0.9344
315	KNEE OA	Weighted median	4	0.277606272	0.07677639	0.0002994	ThalamNuclei_rh_volume_L-Sg	regional and tissue volume	0.0037	0.0449	0.9344
315	KNEE OA	Weighted mode	4	0.283729472	0.093120895	0.055564	ThalamNuclei_rh_volume_L-Sg	regional and tissue volume	0.0037	0.0449	0.9344
328	KNEE OA	inverse variance weightec	4	0.284037382	0.079102078	0.0003297	ThalamNuclei_rh_volume_PuL	regional and tissue volume	0.0502	0.0413	0.224
328	KNEE OA	MR Egger	4	-0.414143764	1.00577454	0.7204461	ThalamNuclei_rh_volume_PuL	regional and tissue volume	0.0502	0.0413	0.224
328	KNEE OA	Simple mode	4	0.214629547	0.130452122	0.1984637	ThalamNuclei_rh_volume_PuL	regional and tissue volume	0.0502	0.0413	0.224
328	KNEE OA	Weighted median	4	0.246173747	0.094000287	0.0088224	ThalamNuclei_rh_volume_PuL	regional and tissue volume	0.0502	0.0413	0.224
328	KNEE OA	Weighted mode	4	0.215541921	0.128948558	0.1932094	ThalamNuclei_rh_volume_PuL	regional and tissue volume	0.0502	0.0413	0.224
329	KNEE OA	inverse variance weightec	13	-0.429640091	0.065481334	5.34E-11	ThalamNuclei_rh_volume_CL	regional and tissue volume	-0.0315	0.0415	0.4474
329	KNEE OA	MR Egger	13	-1.039419783	0.236902178	0.0010854	ThalamNuclei_rh_volume_CL	regional and tissue volume	-0.0315	0.0415	0.4474
329	KNEE OA	Simple mode	13	-0.614829058	0.132800616	0.0005804	ThalamNuclei_rh_volume_CL	regional and tissue volume	-0.0315	0.0415	0.4474

329	KNEE OA	Weighted median	13	-0.434273251	0.075337246	8.20E-09	ThalamNuclei_rh_volume_CL	regional and tissue volume	-0.0315	0.0415	0.4474
329	KNEE OA	Weighted mode	13	-0.600742479	0.157761316	0.0024936	ThalamNuclei_rh_volume_CL	regional and tissue volume	-0.0315	0.0415	0.4474
333	KNEE OA	Inverse variance weightec	6	-0.460810992	0.117544874	8.84E-05	ThalamNuclei_rh_volume_AV	regional and tissue volume	-0.0029	0.0426	0.946
333	KNEE OA	MR Egger	6	0.125396184	0.316522458	0.712205	ThalamNuclei_rh_volume_AV	regional and tissue volume	-0.0029	0.0426	0.946
333	KNEE OA	Simple mode	6	-0.590569079	0.158446157	0.0136096	ThalamNuclei_rh_volume_AV	regional and tissue volume	-0.0029	0.0426	0.946
333	KNEE OA	Weighted median	6	-0.539045211	0.120962489	8.34E-06	ThalamNuclei_rh_volume_AV	regional and tissue volume	-0.0029	0.0426	0.946
333	KNEE OA	Weighted mode	6	-0.585296439	0.210222213	0.0387103	ThalamNuclei_rh_volume_AV	regional and tissue volume	-0.0029	0.0426	0.946
334	KNEE OA	Inverse variance weightec	22	-0.240228284	0.075088723	0.0013778	ThalamNuclei_rh_volume_LP	regional and tissue volume	-0.07	0.0361	0.0524
334	KNEE OA	MR Egger	22	-0.462107149	0.383773915	0.2426036	ThalamNuclei_rh_volume_LP	regional and tissue volume	-0.07	0.0361	0.0524
334	KNEE OA	Simple mode	22	-0.561386676	0.240573148	0.0296393	ThalamNuclei_rh_volume_LP	regional and tissue volume	-0.07	0.0361	0.0524
334	KNEE OA	Weighted median	22	-0.15466596	0.069009174	0.0250107	ThalamNuclei_rh_volume_LP	regional and tissue volume	-0.07	0.0361	0.0524
334	KNEE OA	Weighted mode	22	-0.01448522	0.119698189	0.90483	ThalamNuclei_rh_volume_LP	regional and tissue volume	-0.07	0.0361	0.0524
499	SPINE OA	Inverse variance weightec	10	-0.224282952	0.064211749	0.0004779	aparc-DKTatlas_rh_volume_insula	regional and tissue volume	-0.1466	0.0565	0.0095
499	SPINE OA	MR Egger	10	0.055655245	0.231917005	0.8163812	aparc-DKTatlas_rh_volume_insula	regional and tissue volume	-0.1466	0.0565	0.0095
499	SPINE OA	Simple mode	10	-0.318746627	0.142647654	0.0523107	aparc-DKTatlas_rh_volume_insula	regional and tissue volume	-0.1466	0.0565	0.0095
499	SPINE OA	Weighted median	10	-0.283211498	0.089988253	0.0016484	aparc-DKTatlas_rh_volume_insula	regional and tissue volume	-0.1466	0.0565	0.0095
499	SPINE OA	Weighted mode	10	-0.330200469	0.13427521	0.0468296	aparc-DKTatlas_rh_volume_insula	regional and tissue volume	-0.1466	0.0565	0.0095
548	KNEE OA	Inverse variance weightec	5	-0.288872661	0.089036102	0.0011768	aparc-a2009s_lh_volume_S-circular-insula-sup	regional and tissue volume	-0.0666	0.0446	0.1352
548	KNEE OA	MR Egger	5	-0.694661392	0.71771549	0.4044988	aparc-a2009s_lh_volume_S-circular-insula-sup	regional and tissue volume	-0.0666	0.0446	0.1352
548	KNEE OA	Simple mode	5	-0.394144349	0.165049046	0.0753277	aparc-a2009s_lh_volume_S-circular-insula-sup	regional and tissue volume	-0.0666	0.0446	0.1352
548	KNEE OA	Weighted median	5	-0.305522981	0.097668884	0.0017591	aparc-a2009s_lh_volume_S-circular-insula-sup	regional and tissue volume	-0.0666	0.0446	0.1352
548	KNEE OA	Weighted mode	5	-0.399036721	0.169514578	0.0781734	aparc-a2009s_lh_volume_S-circular-insula-sup	regional and tissue volume	-0.0666	0.0446	0.1352
581	KNEE OA	Inverse variance weightec	3	-0.290837843	0.093730029	0.0019161	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.0736	0.045	0.1016
581	SPINE OA	Inverse variance weightec	3	-0.433924109	0.140950044	0.00208	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.2204	0.0675	0.0011
581	SPINE OA	MR Egger	3	-0.943394232	0.377842784	0.24252	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.2204	0.0675	0.0011
581	KNEE OA	MR Egger	3	-0.191730243	0.264221549	0.6003754	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.0736	0.045	0.1016
581	KNEE OA	Simple mode	3	-0.240225424	0.138756381	0.2255422	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.0736	0.045	0.1016
581	SPINE OA	Simple mode	3	-0.341828118	0.21908309	0.2590654	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.2204	0.0675	0.0011
581	KNEE OA	Weighted median	3	-0.251689143	0.115990166	0.0300131	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.0736	0.045	0.1016
581	SPINE OA	Weighted median	3	-0.371605137	0.178065107	0.0368966	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.2204	0.0675	0.0011
581	KNEE OA	Weighted mode	3	-0.240865478	0.130776476	0.2068428	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.0736	0.045	0.1016
581	SPINE OA	Weighted mode	3	-0.323695232	0.220515158	0.2798454	aparc-a2009s_rh_volume_G+S-cingul-Mid-Post	regional and tissue volume	-0.2204	0.0675	0.0011
722	HIP OA	Inverse variance weightec	7	-0.421036499	0.077140624	4.81E-08	aparc-pial_lh_area_fusiform	cortical area	-0.0734	0.0545	0.1782
722	HIP OA	MR Egger	7	-0.975462147	0.241218558	0.0098847	aparc-pial_lh_area_fusiform	cortical area	-0.0734	0.0545	0.1782
722	HIP OA	Simple mode	7	-0.394417251	0.122622709	0.018217	aparc-pial_lh_area_fusiform	cortical area	-0.0734	0.0545	0.1782
722	HIP OA	Weighted median	7	-0.454917299	0.08183358	2.71E-08	aparc-pial_lh_area_fusiform	cortical area	-0.0734	0.0545	0.1782
722	HIP OA	Weighted mode	7	-0.44577843	0.098452429	0.0039842	aparc-pial_lh_area_fusiform	cortical area	-0.0734	0.0545	0.1782
742	KNEE OA	Inverse variance weightec	6	-0.267246114	0.063087016	2.27E-05	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0375	0.0415	0.3653
742	HIP OA	Inverse variance weightec	6	-0.261231218	0.080083362	0.0011063	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0239	0.0502	0.6337
742	KNEE OA	MR Egger	6	-0.695100594	0.409771684	0.1650669	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0375	0.0415	0.3653
742	HIP OA	MR Egger	6	-0.009833057	0.525663377	0.9859715	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0239	0.0502	0.6337
742	KNEE OA	Simple mode	6	-0.322594944	0.121690693	0.045375	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0375	0.0415	0.3653
742	HIP OA	Simple mode	6	-0.244258114	0.136007563	0.1324522	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0239	0.0502	0.6337
742	KNEE OA	Weighted median	6	-0.284944934	0.083198591	0.0006151	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0375	0.0415	0.3653
742	HIP OA	Weighted median	6	-0.242988768	0.098331375	0.013469	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0239	0.0502	0.6337
742	KNEE OA	Weighted mode	6	-0.313562297	0.110423046	0.0362615	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0375	0.0415	0.3653
742	HIP OA	Weighted mode	6	-0.235017409	0.146035803	0.1684617	aparc-pial_lh_area_rostralmiddlefrontal	cortical area	-0.0239	0.0502	0.6337
745	HIP OA	Inverse variance weightec	8	-0.399257204	0.090617878	1.05E-05	aparc-pial_lh_area_superiortemporal	cortical area	-0.0902	0.0724	0.2125
745	KNEE OA	Inverse variance weightec	8	-0.216519141	0.061008259	0.0003867	aparc-pial_lh_area_superiortemporal	cortical area	-0.0766	0.0437	0.0797
745	HIP OA	MR Egger	8	0.306558514	0.452430324	0.523291	aparc-pial_lh_area_superiortemporal	cortical area	-0.0902	0.0724	0.2125
745	KNEE OA	MR Egger	8	0.159924469	0.327529472	0.6426855	aparc-pial_lh_area_superiortemporal	cortical area	-0.0766	0.0437	0.0797
745	KNEE OA	Simple mode	8	-0.328745058	0.105182053	0.0167149	aparc-pial_lh_area_superiortemporal	cortical area	-0.0766	0.0437	0.0797
745	HIP OA	Simple mode	8	-0.308483692	0.175613701	0.1224077	aparc-pial_lh_area_superiortemporal	cortical area	-0.0902	0.0724	0.2125
745	HIP OA	Weighted median	8	-0.381744732	0.096585963	7.74E-05	aparc-pial_lh_area_superiortemporal	cortical area	-0.0902	0.0724	0.2125
745	KNEE OA	Weighted median	8	-0.275066365	0.075528765	0.0002707	aparc-pial_lh_area_superiortemporal	cortical area	-0.0766	0.0437	0.0797
745	KNEE OA	Weighted mode	8	-0.312048801	0.106809568	0.022291	aparc-pial_lh_area_superiortemporal	cortical area	-0.0766	0.0437	0.0797
745	HIP OA	Weighted mode	8	-0.355951314	0.166851164	0.0703219	aparc-pial_lh_area_superiortemporal	cortical area	-0.0902	0.0724	0.2125
755	HIP OA	Inverse variance weightec	7	-0.288431662	0.090301196	0.0014026	aparc-pial_rh_area_fusiform	cortical area	-0.0567	0.047	0.2273
755	HIP OA	MR Egger	7	-0.961984651	0.198655924	0.0047048	aparc-pial_rh_area_fusiform	cortical area	-0.0567	0.047	0.2273
755	HIP OA	Simple mode	7	-0.391704098	0.074875349	0.0019545	aparc-pial_rh_area_fusiform	cortical area	-0.0567	0.047	0.2273

755	HIP OA	Weighted median	7	-0.380028327	0.067216069	1.57E-08	aparc-pial_rh_area_fusiform	cortical area	-0.0567	0.047	0.2273
755	HIP OA	Weighted mode	7	-0.393723039	0.071011986	0.0014535	aparc-pial_rh_area_fusiform	cortical area	-0.0567	0.047	0.2273
778	HIP OA	inverse variance weightec	7	-0.476778563	0.079136844	1.69E-09	aparc-pial_rh_area_superiortemporal	cortical area	-0.1054	0.0633	0.0961
778	SPINE OA	Anverse variance weightec	7	-0.383341124	0.087838322	1.28E-05	aparc-pial_rh_area_superiortemporal	cortical area	-0.0905	0.0643	0.1589
778	KNEE OA	Anverse variance weightec	7	-0.228570449	0.062272813	0.0002421	aparc-pial_rh_area_superiortemporal	cortical area	-0.1013	0.0431	0.0188
778	KNEE OA	MR Egger	7	0.43427864	0.358444991	0.2798091	aparc-pial_rh_area_superiortemporal	cortical area	-0.1013	0.0431	0.0188
778	SPINE OA	MR Egger	7	-0.177781123	0.536516186	0.7538082	aparc-pial_rh_area_superiortemporal	cortical area	-0.0905	0.0643	0.1589
778	HIP OA	MR Egger	7	0.004267565	0.459792376	0.9929535	aparc-pial_rh_area_superiortemporal	cortical area	-0.1054	0.0633	0.0961
778	HIP OA	Simple mode	7	-0.52885884	0.169339359	0.0205046	aparc-pial_rh_area_superiortemporal	cortical area	-0.1054	0.0633	0.0961
778	KNEE OA	Simple mode	7	-0.284336904	0.137583046	0.0842765	aparc-pial_rh_area_superiortemporal	cortical area	-0.1013	0.0431	0.0188
778	SPINE OA	Simple mode	7	-0.283700149	0.166167691	0.1386329	aparc-pial_rh_area_superiortemporal	cortical area	-0.0905	0.0643	0.1589
778	HIP OA	Weighted median	7	-0.509850381	0.110351439	3.83E-06	aparc-pial_rh_area_superiortemporal	cortical area	-0.1054	0.0633	0.0961
778	KNEE OA	Weighted median	7	-0.273113082	0.082009405	0.0008676	aparc-pial_rh_area_superiortemporal	cortical area	-0.1013	0.0431	0.0188
778	SPINE OA	Weighted median	7	-0.30584228	0.1190144	0.010176	aparc-pial_rh_area_superiortemporal	cortical area	-0.0905	0.0643	0.1589
778	HIP OA	Weighted mode	7	-0.52885884	0.172908056	0.0222646	aparc-pial_rh_area_superiortemporal	cortical area	-0.1054	0.0633	0.0961
778	KNEE OA	Weighted mode	7	-0.282758128	0.143665548	0.096595	aparc-pial_rh_area_superiortemporal	cortical area	-0.1013	0.0431	0.0188
778	SPINE OA	Weighted mode	7	-0.283700149	0.14679315	0.1014703	aparc-pial_rh_area_superiortemporal	cortical area	-0.0905	0.0643	0.1589
814	HIP OA	inverse variance weightec	7	-0.329176114	0.061515678	8.74E-08	aparc-DKTatlas_lh_area_fusiform	cortical area	-0.1114	0.0457	0.0148
814	HIP OA	MR Egger	7	-0.716409161	0.162831895	0.0070239	aparc-DKTatlas_lh_area_fusiform	cortical area	-0.1114	0.0457	0.0148
814	HIP OA	Simple mode	7	-0.403239546	0.083366461	0.0028897	aparc-DKTatlas_lh_area_fusiform	cortical area	-0.1114	0.0457	0.0148
814	HIP OA	Weighted median	7	-0.398837847	0.066774553	2.33E-09	aparc-DKTatlas_lh_area_fusiform	cortical area	-0.1114	0.0457	0.0148
814	HIP OA	Weighted mode	7	-0.401765393	0.072375872	0.0014446	aparc-DKTatlas_lh_area_fusiform	cortical area	-0.1114	0.0457	0.0148
815	HIP OA	inverse variance weightec	11	-0.348436298	0.106396431	0.001057	aparc-DKTatlas_lh_area_inferioparietal	cortical area	0.002	0.0461	0.9653
815	HIP OA	MR Egger	11	-0.631386617	0.440654544	0.1857107	aparc-DKTatlas_lh_area_inferioparietal	cortical area	0.002	0.0461	0.9653
815	HIP OA	Simple mode	11	-0.078507236	0.162319127	0.6390433	aparc-DKTatlas_lh_area_inferioparietal	cortical area	0.002	0.0461	0.9653
815	HIP OA	Weighted median	11	-0.176963954	0.096189032	0.0658047	aparc-DKTatlas_lh_area_inferioparietal	cortical area	0.002	0.0461	0.9653
815	HIP OA	Weighted mode	11	-0.073936059	0.148487969	0.6293033	aparc-DKTatlas_lh_area_inferioparietal	cortical area	0.002	0.0461	0.9653
816	HIP OA	inverse variance weightec	3	-0.887791418	0.154634963	9.40E-09	aparc-DKTatlas_lh_area_inferiortemporal	cortical area	-0.0548	0.0464	0.2379
816	HIP OA	MR Egger	3	-3.166028387	8.154550361	0.764235	aparc-DKTatlas_lh_area_inferiortemporal	cortical area	-0.0548	0.0464	0.2379
816	HIP OA	Simple mode	3	-0.76241363	0.247093256	0.0909366	aparc-DKTatlas_lh_area_inferiortemporal	cortical area	-0.0548	0.0464	0.2379
816	HIP OA	Weighted median	3	-0.770944436	0.204603176	0.0001646	aparc-DKTatlas_lh_area_inferiortemporal	cortical area	-0.0548	0.0464	0.2379
816	HIP OA	Weighted mode	3	-0.765101169	0.226289734	0.0774504	aparc-DKTatlas_lh_area_inferiortemporal	cortical area	-0.0548	0.0464	0.2379
837	HIP OA	inverse variance weightec	10	-0.372704861	0.074653013	5.96E-07	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.0871	0.0693	0.2088
837	KNEE OA	Anverse variance weightec	9	-0.170608834	0.062548038	0.0063788	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.1005	0.0412	0.0146
837	KNEE OA	MR Egger	9	0.85360553	0.342433813	0.0414288	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.1005	0.0412	0.0146
837	HIP OA	MR Egger	10	0.041947392	0.520205732	0.9377121	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.0871	0.0693	0.2088
837	HIP OA	Simple mode	10	-0.389170683	0.147015805	0.0266008	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.0871	0.0693	0.2088
837	KNEE OA	Simple mode	9	-0.315873638	0.13179378	0.0433979	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.1005	0.0412	0.0146
837	HIP OA	Weighted median	10	-0.370015429	0.088250633	2.76E-05	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.0871	0.0693	0.2088
837	KNEE OA	Weighted median	9	-0.165251931	0.066823259	0.0133995	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.1005	0.0412	0.0146
837	HIP OA	Weighted mode	10	-0.369211713	0.152788729	0.0388338	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.0871	0.0693	0.2088
837	KNEE OA	Weighted mode	9	-0.266834514	0.127466041	0.0696513	aparc-DKTatlas_lh_area_superiortemporal	cortical area	-0.1005	0.0412	0.0146
840	KNEE OA	Anverse variance weightec	11	-0.208537926	0.047175513	9.85E-06	aparc-DKTatlas_lh_area_insula	cortical area	-0.1179	0.037	0.0014
840	KNEE OA	MR Egger	11	-0.10562439	0.24340674	0.674547	aparc-DKTatlas_lh_area_insula	cortical area	-0.1179	0.037	0.0014
840	KNEE OA	Simple mode	11	-0.201997524	0.099874023	0.0706819	aparc-DKTatlas_lh_area_insula	cortical area	-0.1179	0.037	0.0014
840	KNEE OA	Weighted median	11	-0.217284587	0.062013008	0.0004586	aparc-DKTatlas_lh_area_insula	cortical area	-0.1179	0.037	0.0014
840	KNEE OA	Weighted mode	11	-0.221429498	0.093693907	0.039727	aparc-DKTatlas_lh_area_insula	cortical area	-0.1179	0.037	0.0014
845	HIP OA	inverse variance weightec	7	-0.299140053	0.053383835	2.10E-08	aparc-DKTatlas_rh_area_fusiform	cortical area	-0.0773	0.0456	0.0901
845	HIP OA	MR Egger	7	-0.648263851	0.147452985	0.0070455	aparc-DKTatlas_rh_area_fusiform	cortical area	-0.0773	0.0456	0.0901
845	HIP OA	Simple mode	7	-0.342504058	0.074678457	0.0037453	aparc-DKTatlas_rh_area_fusiform	cortical area	-0.0773	0.0456	0.0901
845	HIP OA	Weighted median	7	-0.348686891	0.058545996	2.59E-09	aparc-DKTatlas_rh_area_fusiform	cortical area	-0.0773	0.0456	0.0901
845	HIP OA	Weighted mode	7	-0.349862304	0.067255426	0.0020109	aparc-DKTatlas_rh_area_fusiform	cortical area	-0.0773	0.0456	0.0901
868	SPINE OA	Anverse variance weightec	10	-0.280464996	0.073109203	0.0001249	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1447	0.0592	0.0145
868	KNEE OA	Anverse variance weightec	10	-0.175284704	0.054076268	0.0011893	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1097	0.0387	0.0046
868	KNEE OA	MR Egger	10	0.523917145	0.236277184	0.057416	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1097	0.0387	0.0046
868	SPINE OA	MR Egger	10	-0.209357646	0.380403797	0.5971025	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1447	0.0592	0.0145
868	KNEE OA	Simple mode	10	-0.290516639	0.122578557	0.0419059	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1097	0.0387	0.0046
868	SPINE OA	Simple mode	10	-0.286678604	0.161052316	0.1087704	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1447	0.0592	0.0145
868	KNEE OA	Weighted median	10	-0.2083486	0.068933358	0.0025073	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1097	0.0387	0.0046
868	SPINE OA	Weighted median	10	-0.284099945	0.095091221	0.0028112	aparc-DKTatlas_rh_area_superiortemporal	cortical area	-0.1447	0.0592	0.0145

868	KNEE OA	Weighted mode	10	-0.283868543	0.119444407	0.0414598	aparc-DKAtlas_rh_area_superiortemporal	cortical area	-0.1097	0.0387	0.0046
868	SPINE OA	Weighted mode	10	-0.273655062	0.163436881	0.1283801	aparc-DKAtlas_rh_area_superiortemporal	cortical area	-0.1447	0.0592	0.0145
871	KNEE OA	Anverse variance weightec	18	-0.224460469	0.051761392	1.45E-05	aparc-DKAtlas_rh_area_insula	cortical area	-0.118	0.0375	0.0016
871	SPINE OA	Anverse variance weightec	18	-0.200179291	0.0496315	5.50E-05	aparc-DKAtlas_rh_area_insula	cortical area	-0.1302	0.0536	0.0151
871	KNEE OA	MR Egger	18	-0.281553732	0.248231416	0.2734027	aparc-DKAtlas_rh_area_insula	cortical area	-0.118	0.0375	0.0016
871	SPINE OA	MR Egger	18	-0.012414884	0.232901202	0.9581485	aparc-DKAtlas_rh_area_insula	cortical area	-0.1302	0.0536	0.0151
871	KNEE OA	Simple mode	18	-0.287139522	0.092322185	0.006364	aparc-DKAtlas_rh_area_insula	cortical area	-0.118	0.0375	0.0016
871	SPINE OA	Simple mode	18	0.010008323	0.151599576	0.9481336	aparc-DKAtlas_rh_area_insula	cortical area	-0.1302	0.0536	0.0151
871	KNEE OA	Weighted median	18	-0.26542935	0.053589271	7.31E-07	aparc-DKAtlas_rh_area_insula	cortical area	-0.118	0.0375	0.0016
871	SPINE OA	Weighted median	18	-0.235956862	0.071738073	0.0010049	aparc-DKAtlas_rh_area_insula	cortical area	-0.1302	0.0536	0.0151
871	KNEE OA	Weighted mode	18	-0.287139522	0.076372752	0.0015616	aparc-DKAtlas_rh_area_insula	cortical area	-0.118	0.0375	0.0016
871	SPINE OA	Weighted mode	18	-0.328566568	0.126736989	0.0189717	aparc-DKAtlas_rh_area_insula	cortical area	-0.1302	0.0536	0.0151
878	KNEE OA	Anverse variance weightec	5	-0.27863947	0.084470513	0.0009715	aparc-a2009s_lh_area_G+S-cingul-Mid-Ant	cortical area	-0.0591	0.0513	0.2486
878	KNEE OA	MR Egger	5	-0.684872727	0.254723404	0.0744968	aparc-a2009s_lh_area_G+S-cingul-Mid-Ant	cortical area	-0.0591	0.0513	0.2486
878	KNEE OA	Simple mode	5	-0.164402172	0.157437882	0.3553272	aparc-a2009s_lh_area_G+S-cingul-Mid-Ant	cortical area	-0.0591	0.0513	0.2486
878	KNEE OA	Weighted median	5	-0.241955924	0.105857573	0.0222733	aparc-a2009s_lh_area_G+S-cingul-Mid-Ant	cortical area	-0.0591	0.0513	0.2486
878	KNEE OA	Weighted mode	5	-0.143759228	0.161589583	0.4239215	aparc-a2009s_lh_area_G+S-cingul-Mid-Ant	cortical area	-0.0591	0.0513	0.2486
889	KNEE OA	Anverse variance weightec	3	-0.201509102	0.075555556	0.0076524	aparc-a2009s_lh_area_G-insular-short	cortical area	-0.1487	0.0489	0.0024
889	KNEE OA	MR Egger	3	-0.987528773	1.350969526	0.5981558	aparc-a2009s_lh_area_G-insular-short	cortical area	-0.1487	0.0489	0.0024
889	KNEE OA	Simple mode	3	-0.231395045	0.121595471	0.1973699	aparc-a2009s_lh_area_G-insular-short	cortical area	-0.1487	0.0489	0.0024
889	KNEE OA	Weighted median	3	-0.20418348	0.103515988	0.0485545	aparc-a2009s_lh_area_G-insular-short	cortical area	-0.1487	0.0489	0.0024
889	KNEE OA	Weighted mode	3	-0.226738747	0.124825107	0.2109464	aparc-a2009s_lh_area_G-insular-short	cortical area	-0.1487	0.0489	0.0024
892	HIP OA	inverse variance weightec	7	-0.373542748	0.118609355	0.0016363	aparc-a2009s_lh_area_G-oc-temp-lat-fusifor	cortical area	-0.0946	0.0511	0.0643
892	HIP OA	MR Egger	7	-1.488798487	0.547307859	0.0417639	aparc-a2009s_lh_area_G-oc-temp-lat-fusifor	cortical area	-0.0946	0.0511	0.0643
892	HIP OA	Simple mode	7	-0.537082521	0.144358675	0.0098469	aparc-a2009s_lh_area_G-oc-temp-lat-fusifor	cortical area	-0.0946	0.0511	0.0643
892	HIP OA	Weighted median	7	-0.480259939	0.102322817	2.68E-06	aparc-a2009s_lh_area_G-oc-temp-lat-fusifor	cortical area	-0.0946	0.0511	0.0643
892	HIP OA	Weighted mode	7	-0.541076259	0.129179266	0.0057584	aparc-a2009s_lh_area_G-oc-temp-lat-fusifor	cortical area	-0.0946	0.0511	0.0643
905	HIP OA	inverse variance weightec	6	-0.525738259	0.077312182	1.04E-11	aparc-a2009s_lh_area_G-temp-sup-Lateral	cortical area	-0.085	0.0763	0.2653
905	HIP OA	MR Egger	6	-0.204009669	0.97719482	0.8448276	aparc-a2009s_lh_area_G-temp-sup-Lateral	cortical area	-0.085	0.0763	0.2653
905	HIP OA	Simple mode	6	-0.389731245	0.169014194	0.0692599	aparc-a2009s_lh_area_G-temp-sup-Lateral	cortical area	-0.085	0.0763	0.2653
905	HIP OA	Weighted median	6	-0.427006429	0.104969404	4.74E-05	aparc-a2009s_lh_area_G-temp-sup-Lateral	cortical area	-0.085	0.0763	0.2653
905	HIP OA	Weighted mode	6	-0.392071886	0.14554506	0.0431014	aparc-a2009s_lh_area_G-temp-sup-Lateral	cortical area	-0.085	0.0763	0.2653
911	KNEE OA	Anverse variance weightec	4	-0.253268569	0.077084274	0.0010176	aparc-a2009s_lh_area_Lat-Fis-ant-Vertical	cortical area	0.0346	0.0709	0.6255
911	KNEE OA	MR Egger	4	-0.119134744	0.320022579	0.7454374	aparc-a2009s_lh_area_Lat-Fis-ant-Vertical	cortical area	0.0346	0.0709	0.6255
911	KNEE OA	Simple mode	4	-0.223428724	0.127841811	0.1788406	aparc-a2009s_lh_area_Lat-Fis-ant-Vertical	cortical area	0.0346	0.0709	0.6255
911	KNEE OA	Weighted median	4	-0.239192042	0.096855828	0.0135276	aparc-a2009s_lh_area_Lat-Fis-ant-Vertical	cortical area	0.0346	0.0709	0.6255
911	KNEE OA	Weighted mode	4	-0.224909928	0.12963865	0.1811676	aparc-a2009s_lh_area_Lat-Fis-ant-Vertical	cortical area	0.0346	0.0709	0.6255
922	HIP OA	inverse variance weightec	4	-0.682561327	0.103390871	4.06E-11	aparc-a2009s_lh_area_S-collat-transv-post	cortical area	0.0734	0.0625	0.2398
922	HIP OA	MR Egger	4	-1.794335511	2.259698175	0.5104112	aparc-a2009s_lh_area_S-collat-transv-post	cortical area	0.0734	0.0625	0.2398
922	HIP OA	Simple mode	4	-0.626348491	0.194200074	0.0483895	aparc-a2009s_lh_area_S-collat-transv-post	cortical area	0.0734	0.0625	0.2398
922	HIP OA	Weighted median	4	-0.641489607	0.128200804	5.62E-07	aparc-a2009s_lh_area_S-collat-transv-post	cortical area	0.0734	0.0625	0.2398
922	HIP OA	Weighted mode	4	-0.612734776	0.160486505	0.0316165	aparc-a2009s_lh_area_S-collat-transv-post	cortical area	0.0734	0.0625	0.2398
932	HIP OA	inverse variance weightec	5	-0.508560498	0.1400229	0.0002813	aparc-a2009s_lh_area_S-oc-temp-med+Lingual	cortical area	-0.0226	0.0593	0.7035
932	HIP OA	MR Egger	5	-1.731606343	0.693849613	0.0880437	aparc-a2009s_lh_area_S-oc-temp-med+Lingual	cortical area	-0.0226	0.0593	0.7035
932	HIP OA	Simple mode	5	-0.756321097	0.25955619	0.043508	aparc-a2009s_lh_area_S-oc-temp-med+Lingual	cortical area	-0.0226	0.0593	0.7035
932	HIP OA	Weighted median	5	-0.477027629	0.1152042	3.46E-05	aparc-a2009s_lh_area_S-oc-temp-med+Lingual	cortical area	-0.0226	0.0593	0.7035
932	HIP OA	Weighted mode	5	-0.200823441	0.20321687	0.3789873	aparc-a2009s_lh_area_S-oc-temp-med+Lingual	cortical area	-0.0226	0.0593	0.7035
947	HIP OA	inverse variance weightec	7	-0.382041361	0.11310597	0.0007309	aparc-a2009s_rh_area_G+S-occipital-inf	cortical area	-0.0401	0.0612	0.512
947	HIP OA	MR Egger	7	-0.872240382	0.63122403	0.2255765	aparc-a2009s_rh_area_G+S-occipital-inf	cortical area	-0.0401	0.0612	0.512
947	HIP OA	Simple mode	7	-0.537113938	0.13676896	0.0248147	aparc-a2009s_rh_area_G+S-occipital-inf	cortical area	-0.0401	0.0612	0.512
947	HIP OA	Weighted median	7	-0.417765794	0.103247812	5.20E-05	aparc-a2009s_rh_area_G+S-occipital-inf	cortical area	-0.0401	0.0612	0.512
947	HIP OA	Weighted mode	7	-0.51867667	0.165008391	0.0199831	aparc-a2009s_rh_area_G+S-occipital-inf	cortical area	-0.0401	0.0612	0.512
951	SPINE OA	Anverse variance weightec	3	-0.468055414	0.136788521	0.0006222	aparc-a2009s_rh_area_G+S-cingul-Ant	cortical area	-0.1284	0.0612	0.0359
951	SPINE OA	MR Egger	3	-0.49164836	0.637772893	0.5819109	aparc-a2009s_rh_area_G+S-cingul-Ant	cortical area	-0.1284	0.0612	0.0359
951	SPINE OA	Simple mode	3	-0.472286613	0.217237796	0.1617465	aparc-a2009s_rh_area_G+S-cingul-Ant	cortical area	-0.1284	0.0612	0.0359
951	SPINE OA	Weighted median	3	-0.45544467	0.176256611	0.0097666	aparc-a2009s_rh_area_G+S-cingul-Ant	cortical area	-0.1284	0.0612	0.0359
951	SPINE OA	Weighted mode	3	-0.416920177	0.220502387	0.1992146	aparc-a2009s_rh_area_G+S-cingul-Ant	cortical area	-0.1284	0.0612	0.0359
960	KNEE OA	Anverse variance weightec	3	-0.26062508	0.09497579	0.0060673	aparc-a2009s_rh_area_G-front-middle	cortical area	-0.116	0.0449	0.0098
960	KNEE OA	MR Egger	3	-1.14262581	1.167230186	0.506781	aparc-a2009s_rh_area_G-front-middle	cortical area	-0.116	0.0449	0.0098
960	KNEE OA	Simple mode	3	-0.316540761	0.15851163	0.1839183	aparc-a2009s_rh_area_G-front-middle	cortical area	-0.116	0.0449	0.0098

960	KNEE OA	Weighted median	3	-0.261971507	0.115191789	0.0229527	aparc-a2009s_rh_area_G-front-middle	cortical area	-0.116	0.0449	0.0098
960	KNEE OA	Weighted mode	3	-0.296193391	0.15104012	0.1889122	aparc-a2009s_rh_area_G-front-middle	cortical area	-0.116	0.0449	0.0098
966	HIP OA	inverse variance weightec	5	-0.419181472	0.119486761	0.0004512	aparc-a2009s_rh_area_G-oc-temp-lat-fusifor	cortical area	-0.0828	0.0504	0.1007
966	HIP OA	MR Egger	5	-1.628165558	0.366253738	0.0211723	aparc-a2009s_rh_area_G-oc-temp-lat-fusifor	cortical area	-0.0828	0.0504	0.1007
966	HIP OA	Simple mode	5	-0.518443561	0.09675338	0.0058526	aparc-a2009s_rh_area_G-oc-temp-lat-fusifor	cortical area	-0.0828	0.0504	0.1007
966	HIP OA	Weighted median	5	-0.506752751	0.092832136	4.79E-08	aparc-a2009s_rh_area_G-oc-temp-lat-fusifor	cortical area	-0.0828	0.0504	0.1007
966	HIP OA	Weighted mode	5	-0.512150936	0.089502966	0.0046162	aparc-a2009s_rh_area_G-oc-temp-lat-fusifor	cortical area	-0.0828	0.0504	0.1007
969	KNEE OA	inverse variance weightec	5	-0.209658428	0.066070672	0.0015075	aparc-a2009s_rh_area_G-orbital	cortical area	-0.0774	0.0411	0.0598
969	KNEE OA	MR Egger	5	-0.74612939	0.846293707	0.44289	aparc-a2009s_rh_area_G-orbital	cortical area	-0.0774	0.0411	0.0598
969	KNEE OA	Simple mode	5	-0.177810447	0.11862613	0.2082669	aparc-a2009s_rh_area_G-orbital	cortical area	-0.0774	0.0411	0.0598
969	KNEE OA	Weighted median	5	-0.186047832	0.085539506	0.0296306	aparc-a2009s_rh_area_G-orbital	cortical area	-0.0774	0.0411	0.0598
969	KNEE OA	Weighted mode	5	-0.184262804	0.115661928	0.1863545	aparc-a2009s_rh_area_G-orbital	cortical area	-0.0774	0.0411	0.0598
979	HIP OA	inverse variance weightec	8	-0.451816932	0.077568751	5.72E-09	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1066	0.0695	0.125
979	SPINE OA	inverse variance weightec	8	-0.377416305	0.087329154	1.55E-05	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.0928	0.0659	0.1591
979	KNEE OA	inverse variance weightec	7	-0.224310717	0.059649342	0.0001696	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1232	0.0441	0.0052
979	SPINE OA	MR Egger	8	-0.648678919	0.797806258	0.4472278	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.0928	0.0659	0.1591
979	KNEE OA	MR Egger	7	0.345357013	0.47655837	0.5011227	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1232	0.0441	0.0052
979	HIP OA	MR Egger	8	-0.33842801	0.715764934	0.6530509	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1066	0.0695	0.125
979	SPINE OA	Simple mode	8	-0.438772329	0.155913227	0.0259884	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.0928	0.0659	0.1591
979	HIP OA	Simple mode	8	-0.495642822	0.179190908	0.027854	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1066	0.0695	0.125
979	KNEE OA	Simple mode	7	-0.282745172	0.125701915	0.0655014	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1232	0.0441	0.0052
979	HIP OA	Weighted median	8	-0.449630888	0.101957593	1.03E-05	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1066	0.0695	0.125
979	SPINE OA	Weighted median	8	-0.430829401	0.103936664	3.40E-05	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.0928	0.0659	0.1591
979	KNEE OA	Weighted median	7	-0.257823434	0.077829294	0.0009241	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1232	0.0441	0.0052
979	SPINE OA	Weighted mode	8	-0.452959052	0.159426471	0.0250024	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.0928	0.0659	0.1591
979	KNEE OA	Weighted mode	7	-0.287247654	0.12416936	0.0599926	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1232	0.0441	0.0052
979	HIP OA	Weighted mode	8	-0.285944045	0.158280246	0.1137852	aparc-a2009s_rh_area_G-temp-sup-Lateral	cortical area	-0.1066	0.0695	0.125
996	HIP OA	inverse variance weightec	4	-0.858182687	0.113506718	4.01E-14	aparc-a2009s_rh_area_S-collat-transv-post	cortical area	-0.0087	0.0617	0.8872
996	HIP OA	MR Egger	4	-2.598529125	1.491275167	0.2235463	aparc-a2009s_rh_area_S-collat-transv-post	cortical area	-0.0087	0.0617	0.8872
996	HIP OA	Simple mode	4	-0.999293775	0.22359781	0.0208724	aparc-a2009s_rh_area_S-collat-transv-post	cortical area	-0.0087	0.0617	0.8872
996	HIP OA	Weighted median	4	-0.814746405	0.159557508	3.29E-07	aparc-a2009s_rh_area_S-collat-transv-post	cortical area	-0.0087	0.0617	0.8872
996	HIP OA	Weighted mode	4	-0.745077167	0.210567174	0.0384068	aparc-a2009s_rh_area_S-collat-transv-post	cortical area	-0.0087	0.0617	0.8872