Table S1 Grey matter volume of clusters showing significant differences between groups between the BPD and HC groups

Subjects	cluster 1	cluster 2	cluster 3	cluster 4	cluster 5	cluster 6	cluster 7	cluster 8
BP 1	0.43025	0.22726	0.3609	0.25269	0.37478	0.31513	0.33786	0.23691
BP 2	0.38382	0.22152	0.37783	0.30871	0.38854	0.39197	0.339	0.28952
BP 3	0.45561	0.30499	0.48807	0.29106	0.39273	0.43441	0.37739	0.27603
BP 4	0.35711	0.21626	0.33422	0.27267	0.39725	0.31369	0.28332	0.21173
BP 5	0.38907	0.24843	0.38813	0.26617	0.35634	0.35636	0.35928	0.31199
BP 6	0.44254	0.2587	0.50459	0.30856	0.4246	0.38815	0.36216	0.34392
BP 7	0.39803	0.23564	0.36614	0.25286	0.41959	0.37786	0.37044	0.29112
BP 8	0.51435	0.36027	0.59283	0.33444	0.45285	0.42537	0.40536	0.38887
BP 9	0.38915	0.21135	0.30372	0.27037	0.32244	0.30636	0.28729	0.23121
BP 10	0.38046	0.2446	0.35809	0.27138	0.36091	0.3174	0.32933	0.25798
BP 11	0.3478	0.21001	0.34382	0.26298	0.36214	0.30169	0.35613	0.2125
BP 12	0.46556	0.31593	0.49982	0.32371	0.44775	0.37161	0.42311	0.31731
BP 13	0.38733	0.1883	0.42253	0.29654	0.38177	0.31198	0.30919	0.33528
BP 14	0.47283	0.34468	0.55515	0.31381	0.44874	0.3209	0.37184	0.36366
BP 15	0.40522	0.2902	0.43669	0.28903	0.38114	0.36192	0.37503	0.30239
BP 16	0.26207	0.28312	0.2929	0.24722	0.3018	0.29245	0.24318	0.22386
BP 17	0.37749	0.21157	0.35564	0.2583	0.36197	0.31678	0.35016	0.25611
BP 18	0.45946	0.20293	0.46866	0.2905	0.37992	0.41052	0.40981	0.27382
BP 19	0.38339	0.23246	0.41551	0.35261	0.40649	0.41464	0.29695	0.2803
BP 20	0.36959	0.29338	0.38006	0.28432	0.3798	0.33126	0.35183	0.27426
BP 21	0.32106	0.22653	0.41013	0.21841	0.33338	0.25616	0.25244	0.20704
BP 22	0.47966	0.30148	0.46282	0.32549	0.4864	0.41204	0.38066	0.33968
BP 23	0.42165	0.19519	0.43504	0.29272	0.46415	0.38606	0.37233	0.31038
BP 24	0.39479	0.26785	0.41401	0.2997	0.41728	0.30935	0.36522	0.29094
BP 25	0.35032	0.20644	0.34945	0.25646	0.32076	0.24747	0.2946	0.20992
BP 26	0.43734	0.22197	0.46585	0.31033	0.39984	0.33429	0.32905	0.30735
BP 27	0.4181	0.3597	0.42225	0.29194	0.37655	0.31739	0.32959	0.32464
BP 28	0.38045	0.28439	0.38178	0.2591	0.35729	0.34356	0.32151	0.25188
BP 29	0.36345	0.20462	0.35574	0.27721	0.37732	0.30122	0.24653	0.24475
BP 30	0.48115	0.32249	0.47105	0.39545	0.54822	0.42228	0.39979	0.34709
BP 31	0.4499	0.18192	0.36313	0.25404	0.32616	0.28788	0.28736	0.2281
BP 32	0.36567	0.34417	0.36591	0.27945	0.40385	0.3428	0.37141	0.27268
BP 33	0.34294	0.19193	0.31757	0.25919	0.35238	0.34458	0.32282	0.24211
BP 34	0.47854	0.26163	0.42551	0.41596	0.51395	0.41811	0.40072	0.28494
BP 35	0.38933	0.22439	0.37507	0.30499	0.33907	0.33469	0.37757	0.28681
BP 36	0.42118	0.31271	0.4024	0.28452	0.41202	0.30755	0.32713	0.26804
BP 37	0.4123	0.22704	0.38073	0.25228	0.35775	0.3341	0.2957	0.26382
BP 38	0.45753	0.28816	0.43307	0.33064	0.46555	0.38837	0.37299	0.3327
BP 39	0.43239	0.29364	0.41085	0.33218	0.41821	0.37862	0.34005	0.29913
BP 40	0.30955	0.23134	0.40848	0.23467	0.3451	0.35617	0.29598	0.25494
BP 41	0.42617	0.25203	0.33391	0.30616	0.41475	0.32923	0.30146	0.29731
BP 42	0.53524	0.34089	0.48836	0.36647	0.51801	0.40119	0.41171	0.35126
BP 43	0.38691	0.27272	0.48848	0.24837	0.39716	0.32602	0.30655	0.25176
BP 44	0.3994	0.25567	0.38844	0.3503	0.46175	0.40822	0.41918	0.33419
HC 1	0.41905	0.24939	0.4842	0.30706	0.43097	0.35607	0.36659	0.31559
HC 2	0.52396	0.28707	0.50495	0.31561	0.49346	0.41765	0.40005	0.29593
HC 3	0.43649	0.25592	0.41066	0.2969	0.4076	0.32275	0.35782	0.28267
HC 4	0.53432	0.34845	0.49249	0.34147	0.47433	0.46526	0.41876	0.32703
HC 5	0.50668	0.29574	0.50517	0.39068	0.50393	0.46622	0.42188	0.37976
HC 6	0.5331	0.24129	0.43938	0.43432	0.51991	0.50848	0.40887	0.38284
HC 7	0.51711	0.32575	0.51059	0.31845	0.45981	0.492	0.3966	0.37081

HC 8	0.49859	0.24218	0.47032	0.36387	0.46843	0.37592	0.45306	0.36526
HC 9	0.39634	0.30652	0.56905	0.30523	0.41078	0.35307	0.35395	0.27221
HC 10	0.42894	0.26966	0.39068	0.30044	0.40574	0.40926	0.34386	0.27943
HC 11	0.5011	0.3465	0.55519	0.29221	0.46073	0.35712	0.39567	0.30675
HC 12	0.48434	0.29896	0.49561	0.35845	0.46411	0.42598	0.37296	0.30398
HC 13	0.44447	0.40666	0.45874	0.31425	0.40107	0.34824	0.35586	0.30475
HC 14	0.46649	0.31306	0.51384	0.37679	0.52501	0.50227	0.43443	0.40446
HC 15	0.40597	0.27725	0.41466	0.33817	0.44582	0.42073	0.39096	0.33293
HC 16	0.46525	0.2733	0.41794	0.30957	0.40609	0.38852	0.38709	0.32304
HC 17	0.42828	0.32281	0.45309	0.34934	0.46158	0.4458	0.38301	0.38414
HC 18	0.43891	0.4059	0.51315	0.29038	0.40338	0.32989	0.39025	0.31195
HC 19	0.44112	0.24027	0.412	0.28864	0.41803	0.34243	0.34062	0.32085
HC 20	0.47376	0.35798	0.48561	0.29458	0.3931	0.41172	0.39381	0.31363
HC 21	0.51533	0.30537	0.51966	0.35577	0.46797	0.52	0.46641	0.39772
HC 22	0.46991	0.3686	0.43859	0.29652	0.41835	0.36359	0.3584	0.29301
HC 23	0.49062	0.33298	0.47057	0.33007	0.46102	0.42452	0.39085	0.3881
HC 24	0.48518	0.32077	0.43299	0.28732	0.43499	0.40663	0.39175	0.372
HC 25	0.3686	0.29839	0.42108	0.33864	0.44963	0.3489	0.36536	0.28936
HC 26	0.45472	0.22522	0.49128	0.33195	0.42104	0.43572	0.35969	0.37401
HC 27	0.38754	0.30333	0.39772	0.30062	0.45166	0.36329	0.35057	0.32459
HC 28	0.42219	0.3129	0.44099	0.31314	0.39078	0.38213	0.33558	0.26465
HC 29	0.43533	0.27276	0.48592	0.30888	0.43816	0.36198	0.38677	0.37144
HC 30	0.50624	0.35527	0.51266	0.3618	0.43524	0.45744	0.42159	0.32195
HC 31	0.44765	0.37335	0.56833	0.37348	0.50204	0.50031	0.43759	0.39806
HC 32	0.56976	0.28417	0.6011	0.38112	0.48349	0.42504	0.39295	0.32401
HC 33	0.4066	0.24502	0.4287	0.32422	0.38856	0.37376	0.32557	0.26543
HC 34	0.53724	0.26985	0.4678	0.35449	0.43348	0.44417	0.41018	0.35095
HC 35	0.36429	0.19372	0.34737	0.26304	0.36252	0.29048	0.35323	0.2088
HC 36	0.43667	0.36008	0.38027	0.26636	0.45142	0.39913	0.35438	0.32647

cluster 9	cluster 10	cluster 11	cluster 12
0.20897	0.31816	0.30733	0.57513
0.23229	0.387	0.25185	0.58583
0.26219	0.41236	0.33016	0.57496
0.24834	0.3914	0.40705	0.49869
0.21916	0.34756	0.29691	0.62938
0.30202	0.45677	0.36888	0.58844
0.27753	0.425	0.37544	0.51789
0.32536	0.42205	0.39916	0.77843
0.21668	0.37882	0.23679	0.56457
0.21698	0.30729	0.31526	0.49921
0.2138	0.42996	0.4332	0.5891
0.27693	0.52523	0.39554	0.70279
0.24293	0.39793	0.41058	0.49732
0.30267	0.57122	0.41145	0.6
0.224	0.30194	0.34828	0.46969
0.17691	0.26878	0.24143	0.44565
0.21164	0.29163	0.2523	0.51087
0.23984	0.46605	0.37867	0.66013
0.25909	0.4733	0.37401	0.65225
0.20937	0.46874	0.34687	0.56027
0.19149	0.27109	0.31132	0.52982
0.27739	0.44253	0.45376	0.7687
0.24551	0.41627	0.29611	0.6375
0.23397	0.3797	0.32927	0.55783
0.23169	0.34733	0.26762	0.49714
0.26026	0.34601	0.25325	0.56918
0.23755	0.58035	0.38062	0.584
0.22114	0.35562	0.27368	0.52577
0.21175	0.33891	0.28317	0.48204
0.29038	0.41553	0.37763	0.64727
0.19232	0.4698	0.34065	0.51084
0.26989	0.33372	0.32126	0.65635
0.20882	0.29099	0.21954	0.4872
0.27059	0.40727	0.32789	0.66072
0.22693	0.42077	0.45558	0.59233
0.23578	0.40624	0.29568	0.6537
0.22122	0.29417	0.37746	0.51256
0.25464	0.57433	0.3775	0.73313
0.26214	0.38515	0.29449	0.55301
0.19768	0.31359	0.19683	0.53117
0.25746	0.40568	0.3803	0.559
0.30814	0.42597	0.45333	0.6528
0.24092	0.40855	0.39456	0.57227
0.263	0.51351	0.42634	0.63223
0.25702	0.46995	0.43754	0.59329
0.28783	0.54379	0.39061	0.65958
0.22855	0.37431	0.32891	0.55287
0.25604	0.31941	0.2469	0.56474
0.3055	0.53606	0.47441	0.68634
0.32673	0.46455	0.40882	0.70571
0.26539	0.40995	0.46495	0.68693

0.29931	0.53251	0.43408	0.65834
0.27448	0.51006	0.42213	0.67107
0.25072	0.35929	0.31887	0.57499
0.29446	0.42086	0.35832	0.67434
0.26229	0.40862	0.38272	0.66901
0.27391	0.47102	0.348	0.60815
0.34271	0.68868	0.74107	0.69859
0.29439	0.50337	0.35536	0.65053
0.25743	0.5461	0.38636	0.571
0.32135	0.52348	0.54722	0.66096
0.24279	0.53953	0.40875	0.72453
0.25391	0.53784	0.42387	0.68689
0.24336	0.59188	0.51916	0.59931
0.32537	0.41969	0.47069	0.63364
0.23683	0.36142	0.40274	0.64558
0.26451	0.44569	0.41338	0.76109
0.25658	0.39262	0.46963	0.67145
0.2395	0.51038	0.44156	0.53185
0.2696	0.49458	0.44201	0.64912
0.29951	0.4912	0.42939	0.62074
0.24702	0.44551	0.34312	0.60619
0.29314	0.49394	0.36708	0.58597
0.26754	0.60213	0.43627	0.6087
0.38516	0.51524	0.52506	0.86835
0.29599	0.54446	0.3946	0.72914
0.25503	0.49899	0.41828	0.62036
0.30382	0.38551	0.33847	0.64338
0.21282	0.34092	0.23715	0.48538
0.27702	0.34045	0.33859	0.65738

Table S2 Reho value of clusters showing significant differences between between the BPD and HC groups

Subjects	cluster1	cluster 2
BP 1	0.85271	1.169402
BP 2	0.742965	1.279987
BP 3	0.855027	1.354173
BP 4	0.811142	1.35747
BP 5	0.913037	1.153537
BP 6	0.840604	1.375421
BP 7	0.803765	1.25892
BP 8	0.868395	1.280978
BP 9	0.84456	1.27296
BP 10	0.872648	1.339584
BP 11	0.842461	1.241976
BP 12	0.912466	1.249289
BP 13	0.809859	1.347494
BP 14	0.917068	1.275044
BP 15	0.860036	1.274404
BP 16	0.842561	1.191816
BP 17	0.860547	1.171986
BP 18	0.904556	1.151592
BP 19	0.870384	1.127453
BP 20	0.826819	1.192816
BP 21	0.839191	1.278091
BP 22	0.825884	1.313388
BP 23	0.877308	1.314873
BP 24	0.827886	1.140463
BP 25	0.778863	1.274679
BP 26	0.826006	1.300686
BP 27	0.8546	1.372037
BP 28	0.970088	1.188285
BP 29	0.882984	1.166331
BP 30	0.929674	1.18964
BP 31	0.914817	1.345324
BP 32	0.821396	1.181489
BP 33	0.792478	1.286547
BP 34	0.884424	1.218914
BP 35	0.898424	1.196624
BP 36	0.830875	1.285171
BP 37	0.839387	1.155854
BP 38	0.879035	1.249394
BP 39	0.846955	1.177587
BP 40	0.769359	1.214837
BP 41	0.837813	1.157573
BP 42	0.895085	1.214872
BP 43	0.747486	1.25153
BP 44	0.82861	1.313149
HC 1	0.807629	1.421241
HC 2	0.747797	1.376536
HC 3	0.878531	1.239498
HC 4	0.768265	1.341779
HC 5	0.749024	1.315095
HC 6	0.729647	1.258139
HC 7	0.65723	1.43295

HC 8	0.760751	1.329688
HC 9	0.800856	1.336849
HC 10	0.751114	1.278918
HC 11	0.712382	1.361221
HC 12	0.764752	1.476261
HC 13	0.780015	1.402038
HC 14	0.734638	1.417674
HC 15	0.761048	1.371912
HC 16	0.735081	1.456045
HC 17	0.747384	1.462457
HC 18	0.793034	1.369975
HC 19	0.743683	1.449751
HC 20	0.734356	1.334721
HC 21	0.746193	1.36458
HC 22	0.781185	1.320665
HC 23	0.828343	1.368091
HC 24	0.81553	1.379738
HC 25	0.795441	1.332298
HC 26	0.863406	1.353309
HC 27	0.837867	1.279123
HC 28	0.787267	1.52232
HC 29	0.850261	1.315342
HC 30	0.770692	1.425654
HC 31	0.698058	1.418489
HC 32	0.765077	1.418626
HC 33	0.758171	1.435211
HC 34	0.808667	1.344383
HC 35	0.788192	1.30765
HC 36	0.757086	1.301977