Table 2. Automated voxel-by-voxel Z-score analysis by comparison of brain perfusion SPECT images of 30 IRBD patients and 19 probable DLB patients with SPECT images of healthy volunteers after normalization to global mean cerebral blood flow values.

	IRBD (n = 30)	DLB (n = 19)	P-value*
mCBF (mL/100 g/min)	41.6 ± 3.8	38.2 ± 3.0	**0.005**
Severity	1.22 ± 0.32	1.62 ± 0.47	**0.003**
Extent	14.35 ± 10.85	28.91 ± 18.81	**0.001**
Ratio	2.53 ± 1.55	3.17 ± 1.50	0.131
CIScore	0.20 ± 0.07	0.24 ± 0.09	0.066
Severity > 1.19	13 (43.3)	16 (88.9)	**0.007**
Extent > 14.2	11 (38.7)	14 (77.8)	0.187
Ratio > 2.22	18 (60.0)	14 (77.8)	0.070
CIScore < 0.281	27 (90.0)	15 (83.3)	>0.9999
Abnormalities in three indicators	10 (33.3)	14 (83.3)	**0.009**

CIScore, cingulate island sign score; DLB, dementia with Lewy bodies; IRBD, idiopathic rapid eye movement sleep behavior disorder; mCBF, mean value of cerebral blood flow in the bilateral cerebral hemisphere; SPECT, single-photon emission computed tomography; *Mann-Whitney test; Bold, significant p-values.