

**Table 4.** Summary of morphometric data for intra-epithelial lymphocytes

	Disease-controls (n=21)	Untreated gluten- sensitivity (n=20)	P value
Mean nuclear profile diameter ( $D_{N, IEL}$ ; $\mu\text{m}$ ):	4.9 (4.2–5.6)	5.2 (4.6–5.9)	<0.02
Mean nuclear volume ( $V_{N, IEL}$ ) <sup>a</sup> ( $\mu\text{m}^3$ ):	63 (41–99)	74 (53–105)	<0.02
Percentage of the epithelium ( $V_{SE}$ ) occupied by IEL <sup>a</sup> :	0.65 (0.5–1.3)	2.5 (1.1–4.1)	<0.001
Volume epithelium ( $V_{SE}$ ) occupied by one IEL <sup>a</sup> ( $\mu\text{m}^3$ ):	6450 (2150–19300)	1880 (945–3750)	<0.001
Number of enterocytes per single IEL <sup>a</sup> :	8 (7–11)	3 (2–4)	<0.001
Number (actual) of IEL per 100 epithelial cells <sup>a</sup> (%):	12 (10–16)	32 (27–37)	<0.001
Number (relative) of IEL nuclear profiles/100 enterocyte nuclear profiles <sup>a</sup>	24 (11–53)	61 (31–122)	<0.001

<sup>a</sup> Denotes logarithmic transformation

Figures in parentheses are 95% confidence limits