

TABLE 1. A comparison of the different tumour types with normal pituitary in terms of β -galactosidase cytoplasmic staining score

Pituitary tissue type	Staining score	P value vs.				
		Normal	GH-oma	PRL-oma	ACTH-oma	NFPA
Normal (n=7)	2 (0-4)	N/A	0.0019	0.6832	0.8804	0.0384
GH-oma (n=11)	4 (2-6)	0.0019	N/A	0.0047	0.0011	0.2157
PRL-oma (n=8)	2 (1-4)	0.6832	0.0047	N/A	0.7724	0.0834
ACTH-oma (n=10)	2 (0-4)	0.8804	0.0011	0.7724	N/A	0.0342
NFPA (n=10)	4 (2-6)	0.0384	0.215	0.0834	0.0342	N/A
		Normal	Adenoma		Carcinoma	
Normal (n=7)	2 (0-4)	N/A	0.1039		0.017	
Adenoma (n=39)	4 (0-6)	0.1039	N/A		0.1262	
Carcinoma (n=6)	4 (2-6)	0.017	0.1262		N/A	
		Normal	Microadenoma	Macroadenoma		Carcinoma
Normal (n=7)	2 (0-4)	N/A	0.8513	0.0335		0.0129
Microadenoma (n=11)	2 (0-4)	0.8513	N/A	0.0352		0.0142
Macroadenoma (n=29)	4 (1-6)	0.0335	0.0352	N/A		0.2529
Carcinoma (n=6)	4 (2-6)	0.0129	0.0142	0.2529		N/A

Median value (range); comparison between groups was performed using with the Kruskal-Wallis test with Conover-Inman correction; GH-oma: GH-secreting adenoma; PRL-oma: Prolactinoma; ACTH-oma: ACTH-secreting adenoma; NFPA: non functioning pituitary adenoma.