

Supplementary Table 2 Multivariate analysis of factors predicting the loss of significant AIP immunostaining and the presence of *AIP* mutations in somatotropinomas¹

Factors predicting low AIP immunostaining

	Odd ratio	95 % CI	P
Young age (≤ 30 y)	2.82	[0.24 - 32.74]	0.407
Tumor invasiveness	6.66	[1.36 - 32.46]	0.019
<i>AIP</i> mutation	5.78	[0.46 – 78.39]	0.174

Factors predicting the presence of AIP mutations

	Odd ratio	95 % CI	P
Young age (≤ 30 y)	66.73	[4.41 – 1009.1]	0.002
Tumor invasiveness	5.15	[0.40 – 66.07]	0.208
Low AIP-IHC	5.70	[0.46 – 70.47]	0.174

¹patients and tumours with unknown *AIP* gene status were excluded; significant P values are indicated in bold