

***HABP2* p.G534E variant in patients with family history of thyroid and breast cancer**

SUPPLEMENTARY TABLES

Supplementary Table 1: Clinical features and *HABP2* p.G534E status for patients from families 1, 2 and 3

See Supplementary File 1

Supplementary Table 2: Clinical characteristics of 50 sporadic PTC patients tested for HBP2 status

Characteristics	N° of Patients (%)
Age (years)	median 40 (21-75)
Gender	
Female	39 (78)
Male	11 (22)
Tumor dimension (cm) of predominant variant	median 1.5 (0.3-5.5)
Classic	32 (64)
Follicular	16 (32)
Rare	2 (4)
Perineural invasion	
No	45 (90)
Yes	4 (8)
Ni	1 (2)
Extrathyroidal extension	
No	31 (62)
Yes	19 (38)
Ni	1 (2)
Lymph node metastasis	
No (cN0, pN0)	34 (68)
Yes (pN1)	16 (32)

Ni: not informed.

Supplementary Table 3: Variants identified in genes recently reported as associated with NMTC

See Supplementary File 2

Supplementary Table 4: Variants ranked per pathogenicity prediction using dbNSFP

See Supplementary File 3

Supplementary Table 5: Pathway enrichment analysis and physical proteins interactions

See Supplementary File 4