

**Supplementary Table 5S. Summary of immunohistochemical analysis of PTMA in thyroid cancers.**

PTMA, #	Thyroid cancer	Membrane	Cytoplasm	Nucleus
1	PTC	0	1	0
2	PTC	0	0	2
3	PTC	0	1	3
4	PTC	0	2	4
5	PTC	0	0	1
6	PTC	0	0	3
7	PTC	0	1	3
8	PTC	0	1	4
9	PTC	0	0	0
10	PTC	0	3	3
11	PTC	0	1	2
12	PTC	0	2	3
13	PTC	0	0	2

14	PTC	0	1	2
15	PTC	0	0	1
16	PTC	0	0	0
17	follicular variant (FV)		2	3
18	FV	0	0	4
19	FV	0	1	3
20	FV	0	0	2
21	FV	0	0	4
22	FV	0	2	3
23	FV	0	0	4
24	FV	0	0	2
25	FV	0	7	0
26	Insular	0	4	2
27	Insular	0	4	4

28	Insular	0	3	2
29	insular	0	4	2
30	PTC-->Insular	0	3	1
31	Insular	0	4	4
32	ATC	0	6	6
33	ATC	0	6	4
34	ATC	0	4	5
35	Tall Cell Variant (TCV)		2	3
36	TCV	0	0	3
37	TCV	0	0	3
38	TCV	0	0	2
39	TCV	0	0	1
40	TCV	0	0	2
41	TCV	0	0	2

42	TCV	0	0	0
43	Oncocytic Variant (OV)		0	2
44	OV	0	0	3
45	OV	0	0	2
46	OV	0	0	2
47	OV	0	0	3
48	Columnar Variant	0	0	3