

Supplemental Table 1. Demographic and clinical data of the patients.

Case	Age of patient	PHTS	Sex	Nodule Size (cm)	TI-RADS Level	ThyroSeq Result	Surgery	Surgical pathology of <i>PTEN</i> nodule
1	48	No	F	1.3	3	Currently negative	Yes	FA
2	63	No	F	2.4	3	Positive	Yes	Oncocytic FA
3	32	No	F	1.3	4	Positive	Yes	Oncocytic FA
4	49	No	F	2.4	3	Currently negative	No	-
5	42	Yes	M	1.8	4	Positive	Yes	FA
6	47	No	F	2.3	4	Positive	Yes	FA
7	50	Yes	M	2.9	4	Currently negative	No	-
8	58	No	F	2.4	3	Currently negative	No	-
9	51	No	F	2.3	4	Currently negative	No	-
10	60	No	F	2.9	4	Currently negative	No	-
11	53	No	F	1.0	3	Currently negative	No	-
12	53	No	F	1.3	4	Positive	Yes	FA
13	61	No	F	2.1	3	Currently negative	No	-
14	68	No	M	2.3	4	Positive	Yes	FA
15	46	No	F	2.7	4	Positive	Yes	FA
16	89	No	F	2.3	5	Positive	No	-
17	55	No	F	4.6	4	Positive	Yes	FA
18	57	No	F	1.9	5	Currently negative	No	-
19	58	No	F	2.1	5	Currently negative	No	-
20	60	No	F	5.9	3	Currently negative	Yes	FA
21	72	No	M	?	-	Positive	Not available	Not available
22	49	No	M	2.7	5	Currently negative	No	-

23	68	No	F	2.3	4	Currently negative	No	-
24	47	No	F	1.8	3	Currently negative	No	-
25	79	No	F	2.0	4	Currently negative	No	-
26	65	No	F	5.8	3	Positive	Yes	FA
27	14	Yes	M	3.7	3	Positive	Yes	Multiple FAs
28	47	No	F	1.6	4	Currently negative	Yes	FA
29	57	No	F	1.2	4	Currently negative	No	-
30	56	No	F	1.4	4	Currently negative	No	-
31	74	No	F	2.9	4	Currently negative	No	-
32	46	No	F	4.7	4	Positive	Yes	Oncocytic FA
33	44	No	F	2.8	4	Currently negative	No	-
34	21	Yes	F	5.4	4	Currently negative	No	-
35	37	No	F	2.5	3	Currently negative	No	-
36	60	No	F	2.6	3	Currently negative	No	-
37	71	No	F	1.8	3	Currently negative	No	-
38	60	No	M	3.0	4	Currently negative	No	-
39	60	No	F	2.7	3	Positive	Yes	EFVPTC
40	72	No	M	2.6	5	Currently negative	Yes	Oncocytic FA
41	60	No	M	2.6	4	Currently negative	No	-
42	70	No	F	5.3	5	Positive	Yes	FA
43	43	No	F	1.4	4	Currently negative	No	-
44	79	No	F	1.7	4	Currently negative	No	-
45	58	No	F	4.4	2	Positive	Yes	FA
46	82	No	M	2.2	4	Currently negative	No	-
47	51	No	F	4.2	3	Currently negative	Yes	FA

48	74	No	F	1.9	3	Currently negative	No	-
49	60	No	F	3.3	3	Positive	Yes	Oncocytic hyperplastic nodule