

Case	Sex	Age	Histology	FU (months)	Fu (event)	Mutated Gene (NGS panel)
N0-01	F	43	C-PTC	141	NED	<i>BRAF, MED12</i>
N0-02	F	61	C-PTC	151	NED	<u>NMD</u>
N0-03	F	67	C-PTC	84	NED	<u>NS</u>
N0-04	F	60	C-PTC	156	NED	<i>BRAF</i>
N0-05	F	55	C-PTC	158	NED	<i>BRAF</i>
N0-06	F	44	C-PTC	138	NED	<i>BRAF</i>
N0-07	F	43	C-PTC	98	NED	<i>BRAF</i>
N0-08	F	64	C-PTC	77	NED	<u>NMD</u>
N0-09	F	66	C-PTC	175	NED	<u>NMD</u>
N0-10	F	51	C-PTC	147	NED	<u>NMD</u>
N0-11	F	66	C-PTC	125	NED	<u>NMD</u>
N0-12	F	59	C-PTC	204	NED	<u>NMD</u>
N0-13	F	51	C-PTC	161	NED	<i>MED12</i>
N0-14	F	53	C-PTC	155	NED	<i>BRAF</i>
N0-15	F	57	C-PTC	108	NED	<u>NS</u>
N0-16	F	62	C-PTC	NA	NA	<u>NS</u>
N0-17	F	63	C-PTC	144	NED	<u>NS</u>
N0-18	M	33	TCV-PTC	204	NED	<i>MED12</i>
N0-19	F	68	FV-PTC	NA	NA	<i>c-Kit, GNAS</i>
N0-20	F	53	C-PTC	85	NED	<u>NMD</u>
N0-21	F	63	C-PTC	100	NED	<i>BRAF</i>
N0-22	F	38	C-PTC	119	NED	<u>NMD</u>
N0-23	F	69	FV-PTC	118	NED	<i>BRAF</i>
N0-24	M	39	C-PTC	216	NED	<u>NMD</u>
N0-25	F	53	C-PTC	87	NED	<u>NMD</u>
N0-26	M	22	ST-PTC	114	NED	<u>NMD</u>
N0-27	F	61	TCV-PTC	129	NED	<i>BRAF</i>
N0-28	M	60	C-PTC	120	NED	<i>BRAF, MED12</i>
N0-29	F	64	C-PTC	86	NED	<i>BRAF, TP53</i>
N0-30	M	58	C-PTC	NA	NA	<i>PIK3CA</i>
N0-31	F	50	C-PTC	96	NED	<u>NS</u>
N0-32	F	64	C-PTC	103	NED	<i>BRAF, IDH1, MET</i>
N0-33	F	67	FV-PTC	160	NED	<i>BRAF, TP53</i>
N0-34	M	59	FV-PTC	184	NED	<i>EGFR</i>
N0-35	F	54	C-PTC	175	NED	<u>NMD</u>
N0-36	F	61	C-PTC	103	NED	<i>BRAF</i>
N0-37	F	56	C-PTC	118	NED	<u>NMD</u>

### Supplementary Table 3. Ctrl\_N0\_Patient Features

Abbreviations: C-PTC- Classical PTC, TCV-PTC-Tall Cell Variant PTC, FV- Follicula Variant-PTC, DOD-Dead of Disease, AWD-Alive with disease, NED- no evidence of disease, DOC-dead of other causes, NA- not available, NMD- no mutations detected, NS- Not Sequenced (due to low amount or quality of DNA)

