

Case	Sex	Age (ys)	Histology	FU (months)	FU (event)	Mutated Gene (NGS panel)
<u>DM-PTC01</u>	M	90	TCV-PTC	13	DOD	<u>NS</u>
<u>DM-PTC02</u>	M	74	C-PTC	34	DOD	<u>NMD</u>
<u>DM-PTC03</u>	F	83	C-PTC	52	DOD	<i>BRAF</i>
<u>DM-PTC04</u>	M	80	TCV-PTC	148	DOD	<i>BRAF, TERT</i>
<u>DM-PTC05</u>	F	79	TCV-PTC	146	DOD	<u>NS</u>
<u>DM-PTC06</u>	M	73	ST-PTC	71	DOD	<i>TERT</i>
<u>DM-PTC07</u>	F	72	FV-PTC	167	AWD	<i>TERT</i>
<u>DM-PTC08</u>	F	72	TCV-PTC	28	DOD	<i>TERT</i>
<u>DM-PTC09</u>	M	72	FV-PTC	121	DOD	<u>NS</u>
<u>DM-PTC10</u>	M	71	TCV-PTC	3	DOD	<u>NS</u>
<u>DM-PTC11</u>	F	71	C-PTC	120	DOD	<u>NS</u>
<u>DM-PTC12</u>	F	71	TCV-PTC	70	DOD	<i>BRAF, MET, PIK3CA, TERT</i>
<u>DM-PTC13</u>	F	69	TCV-PTC	195	DOD	<u>NS</u>
<u>DM-PTC14</u>	F	68	C-PTC	93	DOD	<i>BRAF</i>
<u>DM-PTC15</u>	F	68	ST-PTC	117	DOD	<u>NS</u>
<u>DM-PTC16</u>	F	67	C-PTC	NA	NA	<u>NS</u>
<u>DM-PTC17</u>	F	66	TCV-PTC	130	DOD	<i>TERT</i>
<u>DM-PTC18</u>	F	65	FV-PTC	170	DOD	<i>TERT</i>
<u>DM-PTC19</u>	M	64	FV-PTC	217	DOD	<u>NS</u>
<u>DM-PTC20</u>	M	63	C-PTC	35	DOD	<u>NMD</u>
<u>DM-PTC21</u>	F	63	C-PTC	77	AWD	<i>BRAF, TERT</i>
<u>DM-PTC22</u>	F	63	TCV-PTC	130	DOD	<u>NS</u>
<u>DM-PTC23</u>	M	63	TCV-PTC	36	DOD	<u>NS</u>
<u>DM-PTC24</u>	M	61	FV-PTC	236	AWD	<u>NS</u>
<u>DM-PTC25</u>	F	61	FV-PTC	175	DOD	<u>NS</u>
<u>DM-PTC26</u>	M	61	TCV-PTC	91	DOD	<i>BRAF, MED12, TERT</i>
<u>DM-PTC27</u>	F	59	C-PTC	230	AWD	<u>NS</u>
<u>DM-PTC28</u>	F	59	TCV-PTC	63	DOD	<i>BRAF, MET, TERT</i>
<u>DM-PTC29</u>	F	58	TCV-PTC	67	DOD	<i>GNAS, TERT</i>
<u>DM-PTC30</u>	M	47	C-PTC	24	AWD	<i>Myc</i>
<u>DM-PTC31</u>	F	54	FV-PTC	143	AWD	<u>NMD</u>
<u>DM-PTC32</u>	F	53	C-PTC	57	DOD	<u>NS</u>
<u>DM-PTC33</u>	F	51	C-PTC	102	AWD	<i>BRAF, TERT</i>
<u>DM-PTC34</u>	M	47	TCV-PTC	63	DOD	<i>MED12</i>
<u>DM-PTC35</u>	F	45	C-PTC	178	AWD	<u>NMD</u>
<u>DM-PTC36</u>	F	45	C-PTC	173	NED	<u>NS</u>
<u>DM-PTC37</u>	F	34	C-PTC	162	AWD	<i>BRAF</i>
<u>DM-PTC38</u>	M	34	C-PTC	234	NED	<u>NMD</u>
<u>DM-PTC39</u>	F	29	C-PTC	413	AWD	<u>NS</u>
<u>DM-PTC40</u>	M	29	C-PTC	173	AWD	<u>NMD</u>
<u>DM-PTC41</u>	F	28	TCV-PTC	136	NED	<u>NS</u>
<u>DM-PTC42</u>	M	27	C-PTC	220	NED	<i>TERT</i>
<u>DM-PTC43</u>	F	22	C-PTC	144	AWD	<u>NMD</u>
<u>DM-PTC44</u>	F	19	C-PTC	32	AWD	<u>NMD</u>
<u>DM-PTC45</u>	F	19	C-PTC	26	AWD	<i>BRAF</i>
<u>DM-PTC46</u>	M	17	C-PTC	NA	NA	<u>NMD</u>
<u>DM-PTC47</u>	F	58	C-PTC	19	DOD	<u>NS</u>

DM-PTC48	F	63	C-PTC	50	DOD	<i>BRAF, TERT</i>
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**Supplementary Table 1. DM\_ 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)