

**Supplementary Table 2.** Patient demographics and tumor genetics of the examined PUM.

Sample No.	PUM	Age	Gender	Chr 1	Chr 3	Chr 6p	Chr 6q	Chr 8p	Chr 8q	Cell Type	BAP 1 status	TNM stage
<b>S200.17</b>	<b>Patient 1</b>	<b>36</b>	<b>Male</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>Spindle</b>	<b>Positive</b>	<b>IIIA</b>
<b>S001.18</b>	<b>Patient 2</b>	<b>42</b>	<b>Male</b>	<b>L</b>	<b>L</b>	<b>G</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>Spindle</b>	<b>negative</b>	<b>IIIB</b>
<b>S004.18</b>	<b>Patient 3</b>	<b>67</b>	<b>Female</b>	<b>N</b>	<b>L</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>Epithelioid</b>	<b>negative</b>	<b>IIIB</b>
<b>S093.15</b>	<b>Patient 4</b>	<b>71</b>	<b>Female</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>U</b>	<b>U</b>	<b>G</b>	<b>Mixed</b>	<b>Positive</b>	<b>IVB</b>
<b>S132.13</b>	<b>Patient 5</b>	<b>81</b>	<b>Female</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>L</b>	<b>N</b>	<b>G</b>	<b>Spindle</b>	<b>Positive</b>	<b>IIIB</b>
<b>S041.14</b>	<b>Patient 6</b>	<b>53</b>	<b>Female</b>	<b>L</b>	<b>L</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>Spindle</b>	<b>negative</b>	<b>IVB</b>
<b>S226.11</b>	<b>Patient 7</b>	<b>73</b>	<b>Male</b>	<b>N</b>	<b>L</b>	<b>L</b>	<b>N</b>	<b>L</b>	<b>G</b>	<b>N/D</b>	<b>N/D</b>	<b>IIIB</b>
<b>S018.18</b>	<b>Patient 8</b>	<b>57</b>	<b>Female</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>L</b>	<b>N</b>	<b>G</b>	<b>Spindle</b>	<b>N/D</b>	<b>IIIA</b>
<b>S066.18</b>	<b>Patient 9</b>	<b>44</b>	<b>Female</b>	<b>U</b>	<b>L</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>Epithelioid</b>	<b>Negative</b>	<b>IIIA</b>
<b>S072.18</b>	<b>Patient 10</b>	<b>36</b>	<b>Male</b>	<b>N</b>	<b>N</b>	<b>G</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>Spindle</b>	<b>Positive</b>	<b>IIIA</b>
S058.08	Patient 11	75	Male	N	L	N	N	N	G	Spindle	N/D	IIIA
S004.09	Patient 12	74	Male	L	L	N	N	L	G	Epithelioid	N/D	IVB
S020.09	Patient 13	48	Male	N	L	UC	UC	UC	UC	Mixed	N/D	IIIA
S062.09	Patient 14	73	Female	L	L	N	N	G	G	Epithelioid	N/D	IVA
S102.09	Patient 15	53	Female	N	L	N	N	L	G	Spindle	N/D	IVA
S167.09	Patient 16	67	Female	L	N	G	N	G	G	Spindle	N/D	IA
S168.09	Patient 17	81	Male	N	L	N	N	N	N	Epithelioid	N/D	IA
S169.09	Patient 18	46	Female	L	L	U	N	U	G	Spindle	N/D	IA
S095.08	Patient 19	44	Male	N	N	G	N	N	N	Spindle	N/D	IIIA
S109.08	Patient 20	35	Male	N	N	N	N	N	N	Epithelioid	Positive	IIIB
S110.08	Patient 21	49	Male	N	N	UC	L	N	UC	Spindle	N/D	IVB
S001.09	Patient 22	49	Male	N	N	N	N	N	G	Epithelioid	N/D	IVA
S080.09	Patient 23	32	Female	N	N	G	N	N	G	Spindle	N/D	IIIA
S093.09	Patient 24	33	Female	L	N	G	L	N	N	Mixed	N/D	IIIB
S101.09	Patient 25	66	Female	N	N	N	N	N	N	Epithelioid	N/D	IVA

N=Normal, U=Unknown L= Loss, PL= Partial loss, G=Gain, UC=Unclassifiable, N/D= Not Done. **Bold** shows patients included in the flow cytometry assays.