

**Supplementary table 1.** Overview of clinical, histological, and genetic data for each patient (n=30).

#	Pathology number	Date of enucleation	Age at enucleation (years)	Follow-up (months)	Status	SNP chr 3	SNP chr 8q	SNP chr 6p	<i>BAP1</i> gene expr. ILMN_1768363 (log2 value)	<i>BAP1</i> gene-expr. compared to median	BAP1 immunostaining	15-gene expression class	Prominence (mm)	Largest basal diameter (mm)	Ciliary body involvement	FISH isolated nuclei monosomy chr 3 (%)	Stage group	Gender	Histological cell type
1	99-184	1999-09-21	84	14	Death due to meta	Monosomy	Gain	Disomy	7.578668	Higher	Negative	Class 2	8	17	Yes	57	IIIA	Female	Mixed
2	99-187	1999-09-22	46	156	Alive	Disomy	Disomy	Disomy	7.543326	Higher	Positive	Class 1	9	12	No	1	IIA	Male	Spindle
3	99-239	1999-11-04	73	47	Death due to meta	Monosomy	Gain	Disomy	7.035375	Lower	Negative	Class 2	9	16	Yes	41	IIIA	Female	Mixed
4	20-005	2000-01-25	28	96	Death due to meta	Monosomy	Gain	Disomy	7.372292	Lower	-	Class 2	3	8	No	27	I	Male	Spindle
5	20-042	2000-05-08	48	14	Death due to meta	Monosomy	Gain	Gain	6.304498	Lower	Negative	Class 2	6	18	Yes	78	IIB	Male	Mixed
6	20-125	2000-09-27	58	147	Alive	Disomy	Gain	Gain	8.088149	Higher	Positive	Class 1	7	9	No	1	IIA	Male	Spindle
7	20-128	2000-10-11	71	28	Death due to meta	Monosomy	Gain	Disomy	6.103587	Lower	Negative	Class 2	8	15	No	57	IIB	Male	Epithelioid
8	20-173	2000-11-28	68	36	Death due to meta	Monosomy	Gain	Disomy	7.013902	Lower	Negative	Class 2	6	15	Yes	82	IIIA	Female	Mixed
9	20-178	2000-12-14	72	30	Death due to meta	Monosomy	Gain	Disomy	6.867930	Lower	Positive	Class 2	4	16	Yes	40	IIIA	Female	Mixed
10	01-042	2001-02-21	68	141	Alive	Disomy	Disomy	Disomy	7.491976	Higher	Positive	Class 1	7	11	Yes	1	IIB	Male	Spindle
11	01-074	2001-03-28	72	66	Death due to unknown	Disomy	Gain	Gain	7.507821	Higher	Positive	Class 1	1.5	16	No	29	IIB	Male	Spindle
12	01-091	2001-04-18	73	16	Death due to meta	Monosomy	Gain	Disomy	7.140922	Lower	Negative	Class 2	9	12	Yes	63	IIB	Male	Mixed
13	01-129	2001-06-13	73	63	Death due to unknown	Disomy	Disomy	Disomy	6.523498	Lower	Negative	Class 2	5	11	No	17	IIA	Male	Epithelioid
14	01-131	2001-06-28	44	24	Death due to meta	Monosomy	Gain	Disomy	6.948449	Lower	Negative	Class 2	12	16	Yes	82	IIIA	Female	Mixed
15	02-158	2002-09-11	33	120	Alive	Disomy	Disomy	Gain	8.133905	Higher	Positive	Class 1	10	15	No	1	IIB	Female	Mixed
16	02-167	2002-09-25	50	126	Death due to unknown	Monosomy	Disomy	Disomy	7.235247	Lower	-	Class 1	2	10	No	3	I	Female	Epithelioid
17	02-174	2002-09-30	76	53	Death due to meta	Monosomy	Gain	Disomy	7.053599	Lower	Negative	Class 2	8	16	No	40	IIB	Female	Spindle
18	02-189	2002-10-16	64	35	Death due to meta	Monosomy	Gain	Disomy	-	-	Negative	Class 1	9	13	Yes	64	IIIA	Male	Spindle
19	02-199	2002-12-11	72	121	Alive	Disomy	Disomy	Disomy	7.763919	Higher	Positive	Class 1	5	9	No	58	I	Male	Mixed

20	03-031	2003-07-10	63	113	Alive	Monosomy	Gain	Disomy	-	-	Negative	Class 2	5	13	No	60	IIA	Male	Epithelioid
21	03-086	2003-07-31	81	111	Alive	Disomy	Disomy	Disomy	7.559229	Higher	Positive	Class 1	11	13	No	0	IIB	Male	Mixed
22	03-087	2003-08-04	65	112	Alive	Disomy	Disomy	Gain	7.398445	Higher	Positive	Class 1	6	9	No	1	I	Male	Spindle
23	03-120	2003-11-06	56	114	Alive	Disomy	Disomy	Gain	7.689024	Higher	Negative	Class 1	7	13	Yes	60	IIIA	Female	Mixed
24	03-129	2003-12-10	54	112	Alive	Monosomy	Gain	Disomy	7.754260	Higher	Positive	Class 2	12	13	No	7	IIB	Female	Epithelioid
25	04-018	2004-02-24	74	113	Alive	Disomy	Gain	Gain	6.321865	Lower	Negative	Class 2	6	13	No	4	IIA	Female	Spindle
26	04-035	2004-04-16	54	61	Death due to meta	Monosomy	Gain	Disomy	7.390188	Lower	Positive	Class 2	6	14	No	52	IIIA	Female	Mixed
27	04-074	2004-06-23	71	36	Death due to meta	Disomy	Disomy	Gain	7.492790	Higher	Positive	Class 1	7	17	Yes	2	IIIB	Male	Mixed
28	04-075	2004-06-30	34	101	Alive	Disomy	Gain	Gain	7.612630	Higher	Positive	Class 1	9	18	Yes	3	IIIB	Female	Spindle
29	04-103	2004-09-01	52	97	Alive	Disomy	Disomy	Gain	7.753649	Higher	Positive	Class 1	10	15	No	1	IIB	Male	Spindle
30	04-112	2004-12-02	75	22	Death due to meta	Monosomy	Gain	Disomy	6.681977	Lower	Negative	Class 2	12	18	Yes	94	IIIA	Male	Mixed