

Supplementary Table S1. Histopathological features and *MED12* exon 2 mutation status of 103 histopathological variants of uterine leiomyoma.

Sample	Diagnosis	Mitotic index /10 HPF	Atypia	Cellularity	<i>MED12</i> exon 2 mutation status
1	Mitotically active	5-10	1	-	c.107T>G, p.L36R
2	Mitotically active	6	0	-	c.126_131del6, p.K42_G44delinsN
3	Mitotically active	10	1	-	c.124_156del33, p.K42_S52del
4	Mitotically active	15	0-1	-	c.130G>A, p.G44S
5	Mitotically active	15	1	-	c.130G>T, p.G44C
6	Mitotically active	10-15	1	-	c.130G>C, p.G44R
7	Mitotically active	9-10	0	-	c.130G>C, p.G44R
8	Mitotically active	10	1-2	-	c.131G>A, p.G44D
9	Mitotically active	5-10	1	-	c.134_145del12, p.F45_Q48delinsP
10	Mitotically active	15	1	-	wt
11	Mitotically active	10-15	0	-	wt
12	Mitotically active	15	1	-	wt
13	Mitotically active	10-15	1	-	wt
14	Mitotically active	15	0-1	-	wt
15	Mitotically active	10	0-1	-	wt
16	Mitotically active	10-15	1	-	wt
17	Mitotically active	10	0	-	wt
18	Mitotically active	13	1	-	wt
19	Mitotically active + cellular	10-15	1	++	c.131G>A, p.G44D
20	Mitotically active + cellular	5-10	1	++	wt
21	Mitotically active + cellular	10-15	1	++	wt
22	Mitotically active + Cellular	10-15	0	++	wt
23	Mitotically active + cellular	10	0-1	++	wt
24	Mitotically active + cellular	20	1	+	wt
25	Mitotically active + cellular	10	1	+	wt
26	Mitotically active + cellular	5-10	0	++	wt
27	Atypical	< 5	1-3	-	c.131G>T, p.G44V
28	Atypical	< 5	1-2	+	c.131G>A, p.G44D
29	Atypical	< 5	1-3	+	c.131G>A, p.G44D
30	Atypical	5-10	1-3	+	wt
31	Atypical	< 5	3	+	wt
32	Atypical	< 5	3	+	wt
33	Atypical	< 5	3	-	wt
34	Atypical	< 5	3	+	wt
35	Atypical	< 5	1-2	+	wt
36	Atypical	< 5	1-3	-	wt
37	Atypical	< 5	1-3	+	wt
38	Atypical	< 5	1-3	+	wt
39	Atypical	< 5	1-3	+	wt
40	Atypical	< 5	3	+	wt

Sample	Diagnosis	Mitotic index /10 HPF	Atypia	Cellularity	MED12 exon 2 mutation status
41	Atypical	< 5	3	+	wt
42	Atypical	< 5	1-3	+	wt
43	Atypical	< 5	1-2	+	wt
44	Atypical	< 5	3	+	wt
45	Cellular	< 5	0	++	IVS1-3_133del37
46	Cellular	< 5	1	+	c.126_134del9, p.K42_F45delinsN
47	Cellular	< 5	0-1	+	c.130G>T, p.G44C
48	Cellular	< 5	0	+	c.131G>A, p.G44D
49	Cellular	< 5	1	+	c.131G>A, p.G44D
50	Cellular	< 5	1	++	wt
51	Cellular	5	1	++	wt
52	Cellular	< 5	0	+	wt
53	Cellular	< 5	0	+	wt
54	Cellular	< 5	1	++	wt
55	Cellular	< 5	0	++	wt
56	Cellular	< 5	0	+	wt
57	Cellular	< 5	0	++	wt
58	Cellular	5	1	++	wt
59	Cellular	< 5	0-1	++	wt
60	Cellular	< 5	0	++	wt
61	Cellular	< 5	1	++	wt
62	Cellular	< 5	1	++	wt
63	Cellular	< 5	1-2	++	wt
64	Cellular	< 5	0	++	wt
65	Cellular	< 5	1	+	wt
66	Cellular	< 5	1	+	wt
67	Cellular	< 5	0	+	wt
68	Cellular	< 5	1	++	wt
69	Cellular	< 5	1-2	++	wt
70	Cellular	5	0	++	wt
71	Cellular	5	1	+	wt
72	Cellular	< 5	1	+	wt
73	Cellular	< 5	0	++	wt
74	Cellular	< 5	0	++	wt
75	Cellular	< 5	0	+	wt
76	Cellular	< 5	1	++	wt
77	Cellular	< 5	1	+	wt
78	Cellular	< 5	0	+	wt
79	Cellular	< 5	0-1	++	wt
80	Cellular	< 5	0	++	wt
81	Cellular	< 5	0	+	wt
82	Cellular	< 5	0	+	wt
83	Cellular	< 5	0	++	wt
84	Cellular	< 5	0	++	wt

Sample	Diagnosis	Mitotic index /10 HPF	Atypia	Cellularity	MED12 exon 2 mutation status
85	Cellular	< 5	0	+	wt
86	Cellular	< 5	0	+	wt
87	Cellular	< 5	0	++	wt
88	Cellular	5	0	++	wt
89	Cellular	< 5	1	+	wt
90	Cellular	< 5	0	++	wt
91	Cellular	< 5	0	++	wt
92	Cellular	< 5	1-2	++	wt
93	Cellular	< 5	1	+	wt
94	Cellular	5	0	++	wt
95	Cellular	< 5	1	++	wt
96	Cellular	< 5	0	++	wt
97	Cellular	< 5	0	++	wt
98	Cellular	< 5	0	++	wt
99	Cellular	< 5	0	+	wt
100	Cellular	< 5	0	++	wt
101	Cellular	< 5	0	++	wt
102	Cellular	< 5	0	+	wt
103	Cellular	< 5	0	++	wt

HPF; high power field