

Table S1. Complete list of *LKB1* mutations detected by sequencing or MLPA*.

Primary Tumors

Case ID	Stage	Histology	Sequencing Mutation(s)	MLPA (Copy Number Alterations)	Comment
23	IIB	Adenosquamous	<i>c.1171C>A (p.Ser19X)</i> <i>c.1132C>A (p.Pro6Gln)</i>		Nonsense + missense mutation
75	IIB	Squamous	<i>c.1284G>T (p.Glu57X)</i>	-	Nonsense mutation
41	IIIB	Squamous	<i>c.1406-11_1420delCTCTGTCCCAGGG</i> <i>AAATTCAACTACT</i>	Single copy loss 0.9M5'-10M3'	26 bp deletion intron/exon boundary and frameshift
51	IIB	Squamous	<i>c.1435A>G (p.His107Arg)</i>	-	Kinase domain, phylogenetically conserved
19	IB	Adenocarcinoma	<i>c.1994_1995insA (p.Pro294fs)</i>	-	Frameshift and premature termination
14	IIA	Adenocarcinoma	<i>c.2009C>A (p.Phe298Leu)</i> (homozygous)	-	Kinase domain, phylogenetically conserved
16	IB2	Adenocarcinoma	<i>c.2025C>T (p.Arg304Trp)</i>	-	Known kinase-dead PJS mutation
20	IB2	Adenocarcinoma (MDA)*	<i>c.2025C>T (p.Arg304Trp)</i>	-	Known kinase-dead PJS mutation
13	IIIB	Adenocarcinoma		Single copy loss P1-E1	
22	IB2	Adenocarcinoma		Two copy loss 0.6M5'-E10	
30	IB2	Squamous	-	Single copy loss P1-E1	
48	IIIB	Squamous	-	Single copy loss 0.9M5'-10M3'	
50	IIB	Squamous	-	Two copy copy loss 0.6M5'-E10	
60	IIB	Squamous	-	Two copy loss 0.6M5'-E10	
62	IIB	Squamous	-	Two copy loss P1-E10	
72	IB2	Squamous	-	One copy loss P1-E10	
85	IB1	Squamous	-	Two copy loss P1-E1, one copy loss 0.9M5'-E10	
Cell Lines					
C4I	-	Squamous	<i>c.1762C>T (p.Ser216Phe)</i> (homozygous)	Single copy loss P1-E10	
HeLa	-	Adenocarcinoma	-	Two copy loss P1-E3	
HeLaS3	-	Adenocarcinoma	-	Two copy loss P1-E3	
MS751	-	Squamous	-	Two copy loss E2-E10	
SiHa	-	Squamous	-	Two copy loss 0.65M5'-E10	
HT3	-	Squamous	-	Two copy loss P1-E1	

*MDA = minimal deviation adenocarcinoma