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SUPPLEMENTARY MATERIAL

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Emerging role of nuclear phospholipase C-β1 in lung cancer

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Supplementary Table 1. Baseline patients characteristics and histopathology of tumors (qPCR and WB analyses).

Patient	Age	Tumor Histology	pTNM	Tumor Stage	Previous tumors	3-Year Survival	Tumor Size	SUV max
T_01	79	SCC, well-differentiated	pT1b N0 G1 LV0 R0	IA2			15mm	4.1
T_02	71	Infiltrating AC, papillary	pT1b N0 G2 LV0 R0	IA2	Yes		26 x 18mm	/
T_03	79	Infiltrating AC, solid and acinous	pT2a N0 G3 LV0	IB			45 x 40 x 30mm	18.5
T_04	72	Focally keratinizing SCC	pT3 N2 G2 LV0 R0	IIIA		No	73 x 67mm	25.7
T_05	66	Infiltrating AC, acinous	pT2a N0 G2 LV0 R0	IB			20 x 16mm	6.8
T_06	69	Neuroendocrine LCC	pT3 N1	IIB			75 x 54mm	11.59
T_07	69	Infiltrating AC, acinous and papillary	pT1c N0 G2 LV0 R0	IA3			24mm	10.3
T_08	65	Infiltrating AC, acinous	pT1b N2 G3 LV0 R0	IIIA			16mm	10
T_09	65	AC, solid	pT1b N0 R0	IA2	Yes		20 x 16mm	8.2
T_10	56	Infiltrating LCC	pT2a N0 G3 LV0 R0	IB	Yes		35mm	/
T_11	74	AC	pT2b N2 G3 LV0 R0	IIB			40 x 30mm	18.57
T_12	60	AC	pT1b N0 G1 LV0 R0	IA2			14mm	1.45

Supplementary Table 2. Baseline patients characteristics and histopathology of tumors (immunohistochemistry).

Patient	Age	Tumor Histology	Tumor Stage	Relapse	5-Year Survival
P_01	73	AC	IB	Yes	No
P_02	72	AC	IIIA	Yes	
P_03	72	AC	IA		
P_04	83	SCC	IIA		
P_05	68	AC	IA		
P_06	71	AC	IIB	Yes	
P_07	66	AC	IA		
P_08	71	SCC	IIIA	Yes	No
P_09	76	AC	IB		
P_10	65	SCC	IA		
P_11	67	AC	IIB		
P_12	57	AC	IA		
P_13	55	SCC	IA	Yes	
P_14	78	AC	IA		
P_15	73	AC	IIIA		
P_16	56	AC	IA		
P_17	67	AC	IB		
P_18	80	SCC	IIIA	Yes	No
P_19	71	SCC	IIB		No
P_20	77	SCC	IB		
P_21	61	SCC	IA		
P_22	62	AC	IA		
P_23	73	AC	IA		
P_24	72	SCC	IA		
P_25	75	AC	IB		
P_26	84	AC	IB	Yes	No
P_27	55	SCC	IIIA	Yes	No
P_28	73	AC	IB	Yes	
P_29	45	AC	IA		
P_30	70	AC	IIIA		
P_31	73	AC	IIIA	Yes	
P_32	71	AC	IIIA		
P_33	72	SCC	IA		
P_34	78	AC	IB		
P_35	81	AC	IIIA		No
P_36	63	AC	IA		
P_37	68	AC	IA		
P_38	80	AC	IA	Yes	
P_39	74	AC	IA		
P_40	82	AC	IIA		
P_41	70	AC	IA	Yes	
P_42	68	AC	IA		
P_43	70	AC	IA		
P_44	55	AC	IA		
P_45	76	AC	IA		

Patient	Age	Tumor Histology	Tumor Stage	Relapse	5-Year Survival
P_46	72	AC	IA		
P_47	82	AC	IA		No
P_48	71	AC	IIB	Yes	No
P_49	71	AC	IA		
P_50	73	AC	IB	Yes	
P_51	80	SCC	IA		
P_52	65	SCC	IA		
P_53	71	AC	IB		
P_54	78	AC	IIB	Yes	
P_55	73	AC	IIIA	Yes	
P_56	54	AC	IA		

SCC, squamous cell carcinoma; AC, adenocarcinoma.

Supplementary Table 3. Summary of PLCs expression for each patient. Higher expression (+), lower expression (-) and similar expression (=) in tumor samples are relative to the non-cancerous adjacent tissue. Not applicable (N/A) labels are used if results could not be obtained.

Patients	*PLCB1*	*PLCB2*	*PLCB3*	*PLCB4*	*PLCD1*	*PLCD3*	*PLCD4*	*PLCG1*	*PLCG2*	*PLCH1*	*PLCH2*	*PLCE1*
T_01	+	=	+	=	+	+	+	+	+	=	+	=
T_02	+	-	=	-	=	-	-	-	-	=	N/A	-
T_03	+	-	+	-	-	+	N/A	+	+	+	+	-
T_04	+	-	+	+	+	+	N/A	+	-	-	+	-
T_05	+	-	-	+	=	-	N/A	-	+	+	+	+
T_06	+	N/A	+	+	N/A	+	N/A	+	-	+	N/A	+
T_07	+	-	=	-	-	-	-	-	-	+	-	=
T_08	+	-	+	-	-	-	-	=	-	+	-	-
T_09	+	-	=	-	-	-	-	-	-	+	+	-
T_10	+	-	+	-	+	+	+	+	+	+	+	-
T_11	+	+	+	-	+	+	+	+	+	+	=	=
T_12	+	-	-	-	+	-	-	-	=	+	-	+

Supplementary Table 4. Summary of Kaplan-Meier plotter analysis.

PLCB1	Number of patients	*p*-value	Hazard Ratio	95% Confidence Interval	Median survival (months)	
					low/high expression	
General	2166	4.1e-6	1.32	1.17-1.49	79.87	57
AC	1161	1.2e-7	1.59	1.34-1.90	110.27	66.47
SCC	780	0.014	1.28	1.05-1.55	63	45.27
Female sex	808	0.00018	1.51	1.21-1.87	117.33	71
Male sex	1247	0.00064	1.29	1.12-1.50	66	46
Smoker	833	0.00051	1.46	1.18-1.81	35	23
Non-smoker	204	2.3e-5	3.21	1.82-5.69	88.7	34

AC, adenocarcinoma; SCC, squamous cell carcinoma.