

Variables	HIF1- $\alpha$ status		P-value
	Low †	High †	
Mean age (y) ‡	65 (39, 85)	64 (32, 85)	0.370
Gender §			
Male	281 (72)	108 (28)	0.439
Female	107 (81)	25 (19)	
Smoking status §			
Never smoked	45 (82)	10 (18)	0.106
Former or current smokers	335 (74)	116 (26)	
Tumor size, median (min, max) cm ‡	3.3 (0.2, 16)	3.5 (1, 17)	0.412
Histologic cell type §			
Adenocarcinoma	236 (89)	30 (11)	<0.001*
Squamous cell carcinoma	116 (67)	58 (33)	
Large cell carcinoma	13 (36)	23 (64)	
NOS	22 (51)	21 (49)	
pTNM stage §			
I	183 (72)	72 (28)	0.499
II	78 (75)	26 (25)	
III	111 (79)	30 (21)	
IV	16 (76)	5 (24)	
Histologic grade §			
1	151 (82)	34 (18)	0.0001*
2	129 (74)	45 (26)	
3	91 (73)	34 (27)	
4	4 (29)	10 (71)	
Neoadjuvant therapy §	59 (88)	8 (12)	0.203

TNM = tumor node metastasis. NOS = not otherwise specified.  
† Values expressed as n (%) or median.  
‡ Mann-Whitney test.  
§  $\chi^2$  test.  
\* P-value significant at the 0.05 level.

**Table S1**

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