

Supplementary Table S3. Histological molecular correlations between subtypes of lung adenocarcinoma and driver mutations

Histological Subtype	<i>EGFR</i>			<i>HER2</i>			<i>EML4-ALK</i>			<i>KRAS</i>		
	Mut ^a	Wild ^b	<i>P</i>	Mut	Wild	<i>P</i>	Mut	Wild	<i>P</i>	Mut	Wild	<i>P</i>
AIS ^c or MIA ^d	10/256	0/83	0.125	0/16	10/323	1.000	0/15	10/324	1.000	0/7	10/332	1.000
/Others ^e												
Lepidic predominant	28/238	6/77	0.376	1/15	33/300	1.000	0/15	34/300	0.378	0/7	34/308	1.000
/Others ^e												
Acinar predominant	152/114	31/52	0.002	7/9	176/157	0.476	5/10	178/156	0.130	3/4	180/162	0.713
/Others ^e												
Papillary predominant	39/227	15/68	0.453	3/13	51/282	0.722	4/11	50/284	0.264	1/6	53/289	1.000
/Others ^e												
Micropapillary predominant	5/261	1/82	1.000	0/16	6/327	1.000	0/15	6/328	1.000	0/7	6/336	1.000
/Others ^e												
Solid predominant	28/238	18/65	0.009	2/14	44/289	1.000	4/11	42/292	0.121	1/6	45/297	1.000
/Others ^e												
IMA ^f	4/262	10/73	<0.001	3/13	11/322	0.021	2/13	12/322	0.116	2/5	12/330	0.028
/Others ^e												
Enteric predominant	0/266	2/81	0.056	0/16	2/331	1.000	0/15	2/332	1.000	0/7	2/340	1.000
/Others ^e												

^aMut, mutation type.
^bWild, wild type.
^cAIS, adenocarcinoma in situ.
^dMIA, minimally invasive adenocarcinoma.
^eOthers, each individual subtype versus all other subtypes.
^fIMA, invasive mucinous adenocarcinoma.