

Supplemental Data

Integrated Oncogenomic Profiling of Copy Numbers and Gene Expression in Lung Adenocarcinomas without EGFR Mutations or ALK Fusion

Table S1. List of DNA oligo sequences for the primers used for RT-qPCR.

Primer Name	Sequence
Human PTEN-realtime-F	CAGCCATCATCAAAGAGATCG
Human PTEN-realtime-R	ACGCCTTCAAGTCTTTCTGCA
Human RB1-realtime-F	CAAATGCAGAGACACAAGCA
Human RB1-realtime-R	AGACAGAAGGCGTTCACAAA
Human HMGA2-realtime-F	TCCTAAGAGACCCAGGGGAA
Human HMGA2-realtime-R	TGAGCAGGCTTCTTCTGAACA
Human PTPRD-realtime-F	ACGGGAGACCCAAGACCTAAA
Human PTPRD-realtime-R	TTCTCCCACATTATTTGAGGC
Human GAPDH-realtime-F	CCCCTTCATTGACCTCAACTACAT
Human GAPDH-realtime-R	CGCTCCTGGAAGATGGTGA

Table S2. Correlation analysis of all 23 candidate genes based on their copy numbers in tumor tissues of LUAD patients without *EGFR/ALK* alterations.

	BCL2L1	EMSY	CCND1	CCNE1	CDK4	CDKN2A	CSMD1	EGFR	ERBB2	FGFR1	FHIT	HMGA2	MET	MYC	PDGFRA	PIK3CA	PRDM1	PTEN	PTPRD	RB1	REL	VEGFA	ZNF217
BCL2L1	1.000	.587	.510	.533	.810	-.212	.180	.472	.548	.591	-.377	.403	.544	.613	.106	.470	.112	.313	-.011	.199	.576	.059	.680
EMSY	.587	1.000	.994	.603	.583	-.887	.192	.986	.707	.789	-.578	.482	.642	.640	-.041	.919	.160	-.125	-.609	-.268	.519	.015	.244
CCND1	.510	.994	1.000	.587	.517	-.927	.197	.997	.709	.769	-.575	.471	.603	.597	-.056	.913	.140	-.175	-.642	-.337	.472	.034	.182
CCNE1	.533	.603	.587	1.000	.560	-.397	.445	.606	.449	.584	-.373	.805	.378	.446	.262	.695	.605	.151	.175	-.056	.754	.404	.637
CDK4	.810	.583	.517	.560	1.000	-.255	.128	.490	.347	.291	-.340	.374	.560	.616	-.250	.508	.162	.672	-.116	.467	.774	-.142	.533
CDKN2A	-.212	-.887	-.927	-.397	-.255	1.000	-.262	-.941	-.641	-.598	.412	-.392	-.506	-.407	.203	-.804	-.027	.337	.775	.485	-.248	-.105	.122
CSMD1	.180	.192	.197	.445	.128	-.262	1.000	.237	.099	.180	.550	.657	.309	-.027	-.052	.226	.533	-.147	.015	.072	.298	.812	.002
EGFR	.472	.986	.997	.606	.490	-.941	.237	1.000	.704	.756	-.551	.497	.585	.569	-.057	.916	.169	-.191	-.635	-.354	.473	.069	.163
ERBB2	.548	.707	.709	.449	.347	-.641	.099	.704	1.000	.639	-.625	.551	.511	.663	.092	.622	-.088	-.095	-.260	-.567	.158	.065	.505
FGFR1	.591	.789	.769	.584	.291	-.598	.180	.756	.639	1.000	-.494	.459	.433	.564	.543	.731	.391	-.450	-.249	-.398	.304	.157	.449
FHIT	-.377	-.578	-.575	-.373	-.340	.412	.550	-.551	-.625	-.494	1.000	-.083	-.161	-.486	-.155	-.555	.229	-.084	.191	.391	-.268	.437	-.448
HMGA2	.403	.482	.471	.805	.374	-.392	.657	.497	.551	.459	-.083	1.000	.641	.542	.107	.589	.508	.042	.183	-.198	.476	.642	.552
MET	.544	.642	.603	.378	.560	-.506	.309	.585	.511	.433	-.161	.641	1.000	.781	-.289	.608	.033	.108	-.296	-.050	.343	.262	.287
MYC	.613	.640	.597	.446	.616	-.407	-.027	.569	.663	.564	-.486	.542	.781	1.000	.089	.518	.108	.205	-.093	-.190	.234	-.036	.638
PDGFRA	.106	-.041	-.056	.262	-.250	.203	-.052	-.057	.092	.543	-.155	.107	-.289	.089	1.000	-.020	.536	-.444	.473	-.292	-.128	.112	.492
PIK3CA	.470	.919	.913	.695	.508	-.804	.226	.916	.622	.731	-.555	.589	.608	.518	-.020	1.000	.299	-.114	-.482	-.192	.666	.048	.264
PRDM1	.112	.160	.140	.605	.162	-.027	.533	.169	-.088	.391	.229	.508	.033	.108	.536	.299	1.000	-.099	.296	.217	.450	.324	.348
PTEN	.313	-.125	-.175	.151	.672	.337	-.147	-.191	-.095	-.450	-.084	.042	.108	.205	-.444	-.114	-.099	1.000	.297	.657	.469	-.301	.370
PTPRD	-.011	-.609	-.642	.175	-.116	.775	.015	-.635	-.260	-.249	.191	-.183	-.296	-.093	.473	-.482	.296	.297	1.000	.183	-.028	.271	.555
RB1	.199	-.268	-.337	-.056	.467	.485	.072	-.354	-.567	-.398	.391	-.198	-.050	-.190	-.292	-.192	.217	.657	.183	1.000	.493	-.239	.015
REL	.576	.519	.472	.754	.774	-.248	.298	.473	.158	.304	-.268	.476	.343	.234	-.128	.666	.450	.469	-.028	.493	1.000	.027	.406
VEGFA	.059	.015	.034	.404	-.142	-.105	.812	.069	.065	.157	.437	.642	.262	-.036	.112	.048	.324	-.301	.271	-.239	.027	1.000	.059
ZNF217	.680	.244	.182	.637	.533	.122	.002	.163	.505	.449	-.448	.552	.287	.638	.492	.264	.348	.370	.555	.015	.406	.059	1.000