A

```
┌─────────────────────┐        ┌─────────────────────┐
│ 502 tumor samples   │        │ 504 samples having  │
│ utilized in the     │────────│ clinical data       │
│ analysis            │        │                     │
│ of gene expression  │        │                     │
└─────────────────────┘        └─────────────────────┘
           │
           │                   ┌─────────────────────┐
           │──────────────────▶│ Remove the repeated │
           │                   │ samples             │
           │                   └─────────────────────┘
           ▼
┌─────────────────────────────┐
│ 501 tumor samples containing│
│ both gene expression and    │
│ clinical data               │
└─────────────────────────────┘
           │
           │                   ┌─────────────────────────┐
           │                   │ 24 samples the survival │
           │──────────────────▶│ less than 30 days, 6    │
           │                   │ samples less survival   │
           │                   │ time and 4 samples      │
           │                   │ without pathological    │
           │                   │ stage excluded          │
           │                   └─────────────────────────┘
           ▼
┌─────────────────────┐
│ 467 samples conform │
│ to the qualification│
└─────────────────────┘
```

B

```
┌─────────────────────┐        ┌─────────────────────┐
│ 533 tumor samples   │        │ 522 samples having  │
│ utilized in the     │────────│ clinical data       │
│ analysis            │        │                     │
│ of gene expression  │        │                     │
└─────────────────────┘        └─────────────────────┘
           │
           │                   ┌─────────────────────┐
           │──────────────────▶│ Remove the repeated │
           │                   │ samples             │
           │                   └─────────────────────┘
           ▼
┌─────────────────────────────┐
│ 513 tumor samples containing│
│ both gene expression and    │
│ clinical data               │
└─────────────────────────────┘
           │
           │                   ┌─────────────────────────┐
           │                   │ 14 samples the survival │
           │──────────────────▶│ less than 30 days, 9    │
           │                   │ samples less survival   │
           │                   │ time and 8 samples      │
           │                   │ without pathological    │
           │                   │ stage excluded          │
           │                   └─────────────────────────┘
           ▼
┌─────────────────────┐
│ 482 samples conform │
│ to the qualification│
└─────────────────────┘
```

Figure S1: (A) The consolidation process between clinical data and the RNA sequence data of lung squamous cell carcinoma (LUSC) patients. (B) The consolidation process between clinical data and the RNA sequence data of lung adenocarcinoma (LUAD) patients.
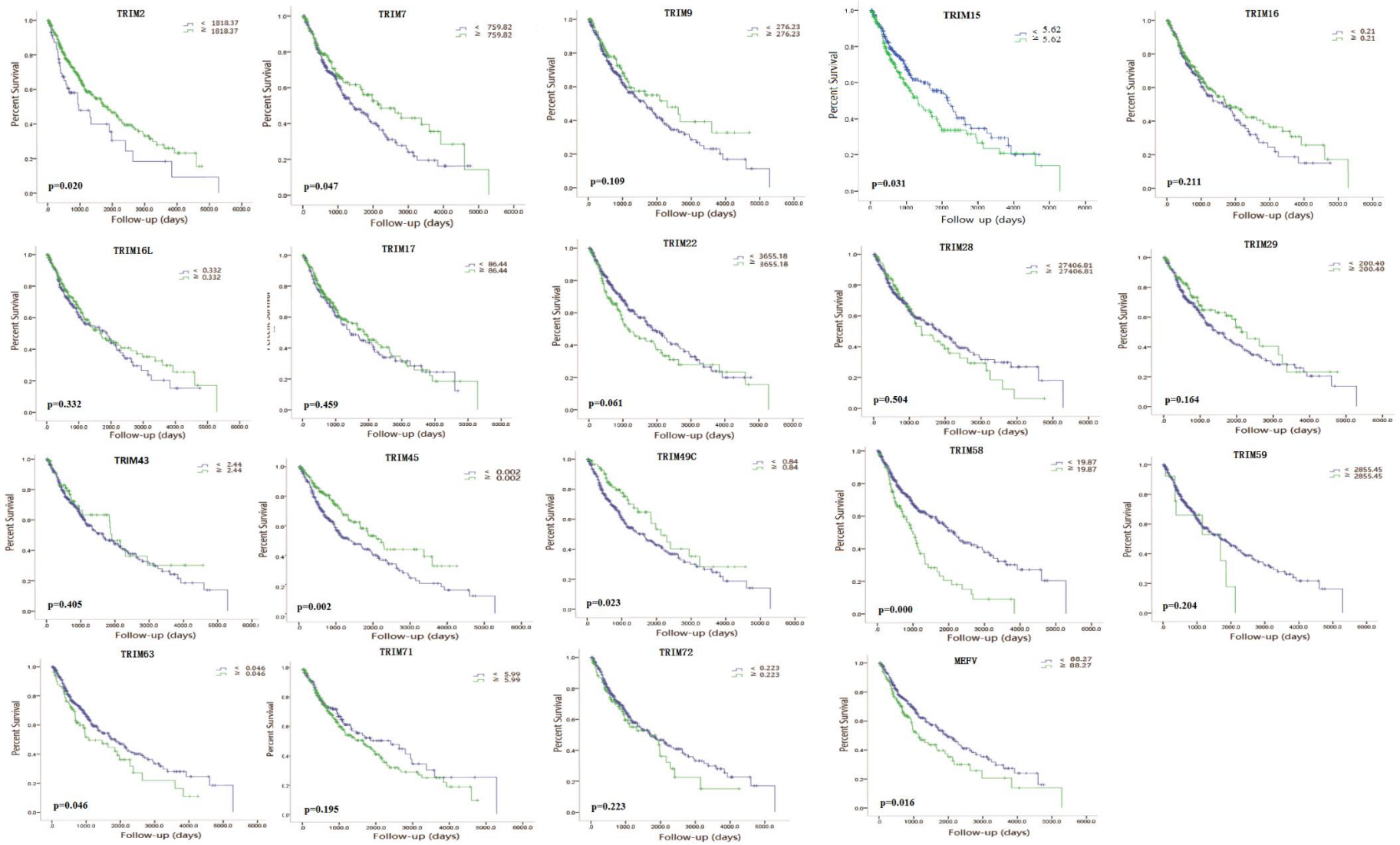
Figure S2: The prognostic value of TRIM family members whose expression were significant in lung squamous cell carcinoma (LUSC).
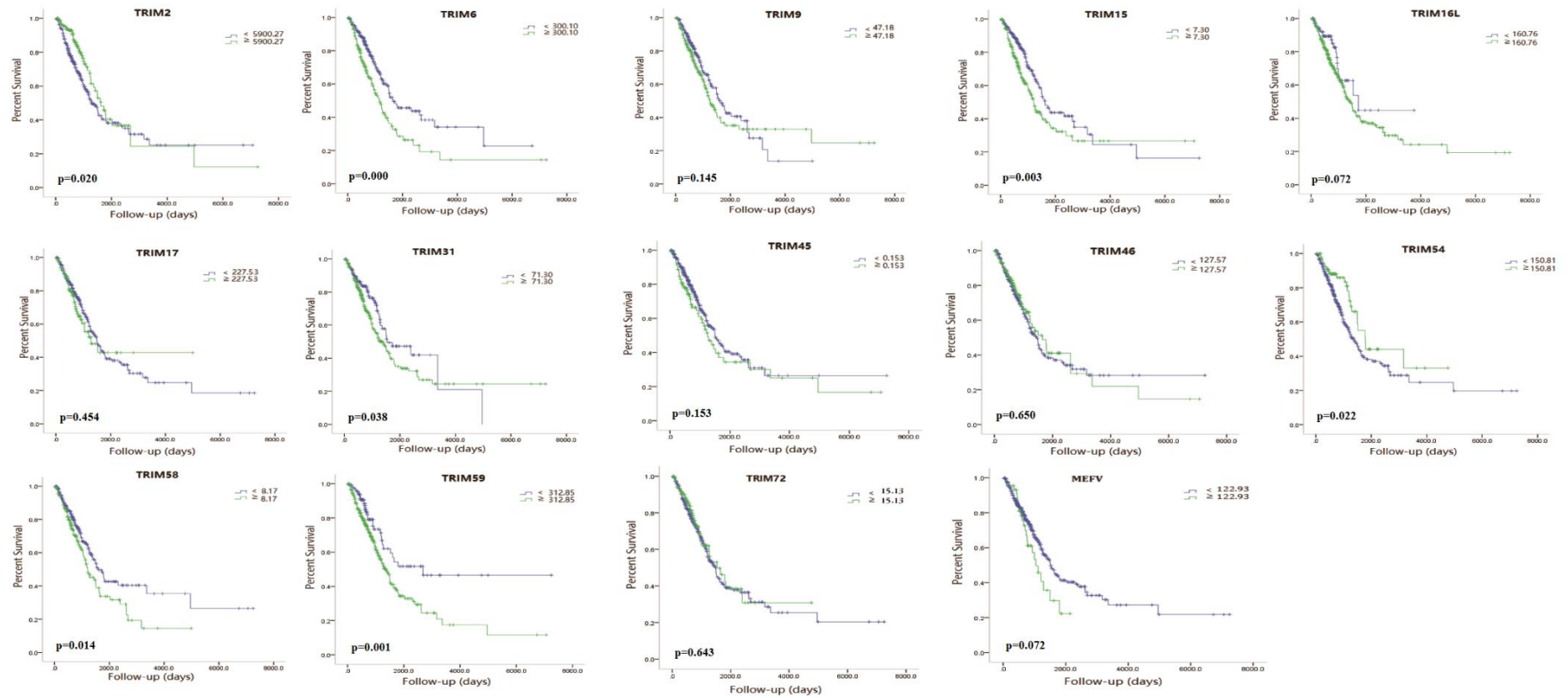
Figure S3: The prognostic value of TRIM family members whose expression were significant in lung adenocarcinoma (LUAD).
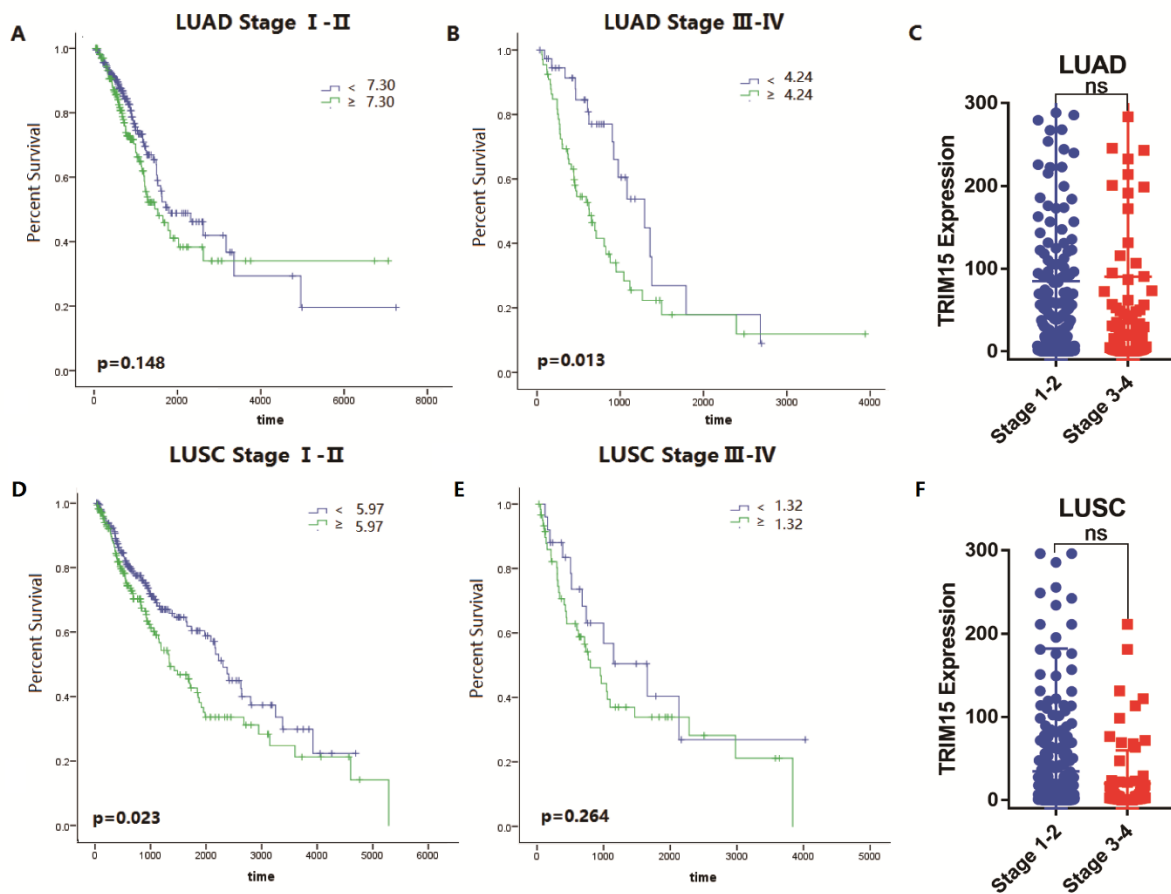
Figure S4: The scatter diagram showed that there was no significant difference in expression of TRIM15 between stage Ⅰ-Ⅱ and stage Ⅲ-Ⅳ in both LUAD (C) and LUSC (F). The K-M survival curves of TRIM15 in LUAD stage Ⅰ-Ⅱ (A, p=0.148) and Ⅲ-Ⅳ (B, p=0.013), LUSC stage Ⅰ-Ⅱ (D, p=0.023) and Ⅲ-Ⅳ (E, p=0.264) was performed.
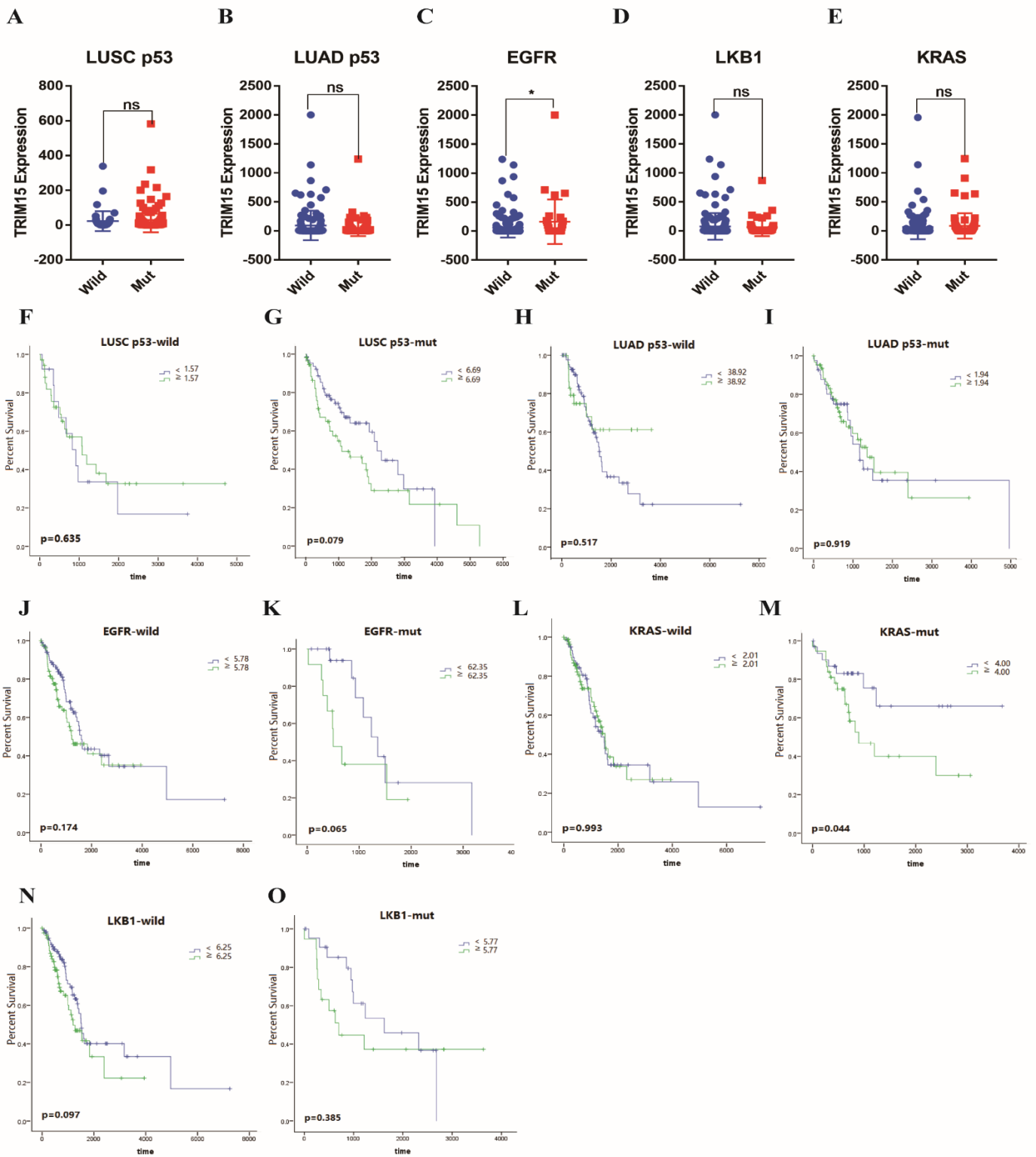
Figure S5: In both LUSC (A) and LUAD (B), there was no significant difference in the expression of TRIM15 between p53 mutate and wild patient. In LUAD, the expression of TRIM15 was significant higher in EGFR mutate patients compared with EGFR wild patients (C). There was no significant difference in the expression of TRIM15 between LKB1 mutate and wild patient (D), the same with KRAS (E). The K-M survival curves of TRIM15 in LUSC p53 wild patients (F), LUSC p53 mutate patients (G), LUAD p53 wild patients (H), LUAD p53 mutate patients (I), LUAD EGFR wild patients (J), LUAD EGFR mutate patients (K), LUAD KRAS wild patients (L), LUAD KRAS mutate patients (M), LUAD LKB1 mutate patients (N) and LUAD LKB1 wild patients (O) was performed.
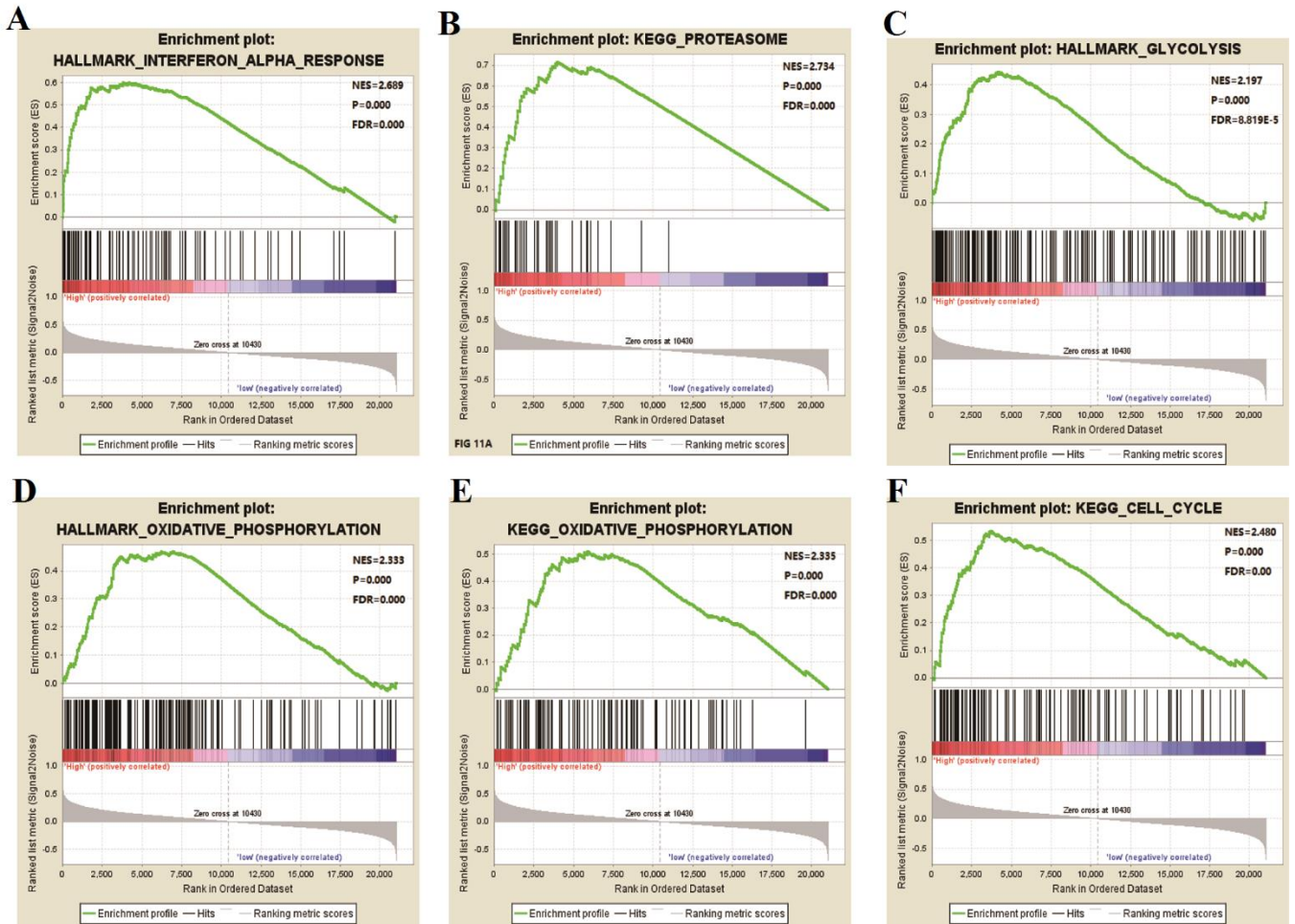
Figure S6: Gene set enrichment analysis (GSEA) analysis showed that high expression of TRIM15 was closely associated with various biological processes or signaling pathways, processes associated with interferon(A) and proteasome(B), glycolysis(C), oxidative phosphorylation (D and E) and cell cycle(F).
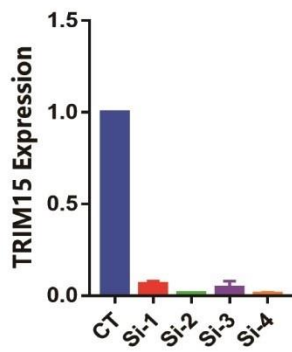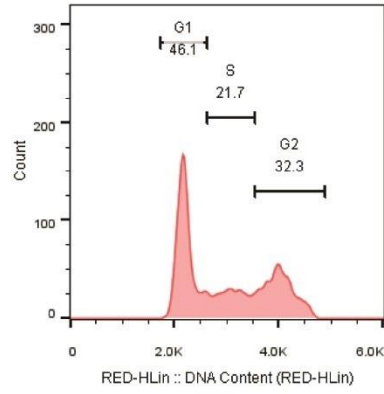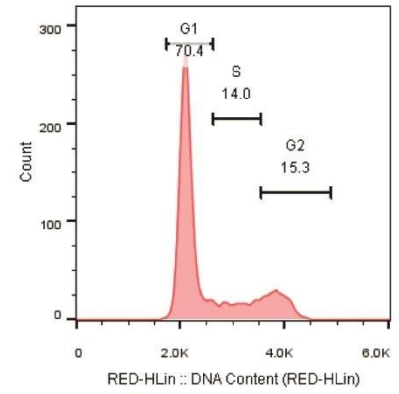
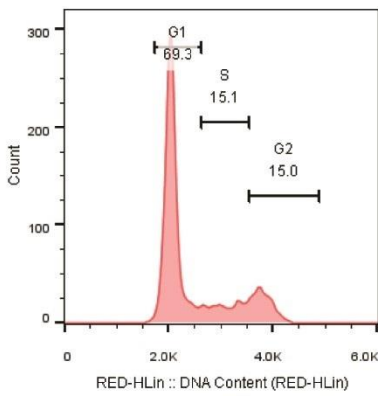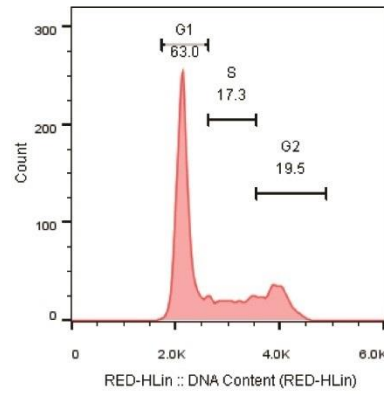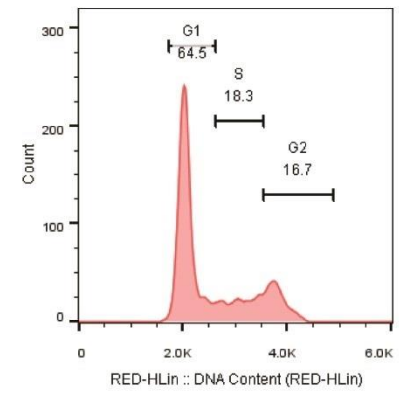**Figure S7: Verification of TRIM15 knockout efficiency of H520 (A); Cell cycle detection of H520 CT (B); Cell cycle detection of H520 SiTRIM15-1 (C); Cell cycle detection of H520 SiTRIM15-2 (D); Cell cycle detection of H520 SiTRIM15-3 (E); Cell cycle detection of H520 SiTRIM15-14(F).**

Table S1. Differential expression analysis of TRIM family members in LUSC and LUAD

GENE	LUSC				LUAD			
	FC	log2FC	p-value	Adjusted P-value	FC	log2FC	p-value	Adjusted P-value
CMYA5(TRIM76)	1.20	0.26	0.67892	0.79360	1.40	0.48	0.39567	0.58848
MEFV(TRIM20)	0.27	**−1.91**	0.00053	**0.00197**	0.32	**−1.66**	0.00362	**0.01567**
MID1(TRIM18)	1.37	0.45	0.02216	0.05286	0.84	−0.26	0.17215	0.33569
MID2(TRIM1)	1.25	0.32	0.40303	0.55317	0.88	−0.19	0.58607	0.75268
PML(TRIM19)	1.09	0.13	0.54180	0.68330	1.04	0.06	0.88610	0.94938
TRIM10	2.54	**1.35**	0.40252	0.55275	5.65	2.50	0.05010	0.13247
TRIM13	0.80	−0.32	0.16893	0.28412	0.88	−0.18	0.29461	0.48571
TRIM14	0.85	−0.24	0.13691	0.24120	0.98	−0.03	0.78279	0.88750
TRIM15	35.68	**5.16**	0.00177	**0.00575**	82.45	**6.37**	5.05E−08	**6.78E−07**
TRIM16	3.07	**1.62**	6.99E−11	**7.15E−10**	1.36	0.45	0.06760	0.16699
TRIM16L	10.77	**3.43**	1.06E−17	**1.94E−16**	3.68	**1.88**	8.98E−06	**8.04E−05**
TRIM17	4.54	**2.18**	0.00086	**0.00302**	4.52	**2.17**	0.00013	**0.00091**
TRIM2	2.25	**1.17**	7.82E−11	**7.97E−10**	2.69	**1.43**	1.29E−11	**2.97E−10**
TRIM21	0.58	−0.79	0.00049	0.00182	0.76	−0.40	0.05567	0.14371
TRIM22	0.39	**−1.35**	3.15E−19	**6.44E−18**	0.63	−0.67	6.65E−05	0.00049
TRIM23	0.62	−0.68	0.06626	0.13251	0.90	−0.15	0.49340	0.67687
TRIM24	1.39	0.47	0.00948	0.02527	1.40	0.48	0.00846	0.03136
TRIM26	0.99	−0.02	0.85416	0.91842	1.01	0.01	0.90801	0.96282
TRIM27	1.26	0.33	0.06391	0.12872	1.72	0.78	5.84E−05	0.00043
TRIM28	2.13	**1.09**	3.72E−08	**2.79E−07**	1.42	0.50	0.02146	0.06758
TRIM29	27.00	**4.75**	1.88E−70	**3.87E−68**	2.05	1.03	0.12176	0.26108
TRIM3	0.60	−0.73	0.02884	0.06618	0.78	−0.36	0.16738	0.32856
TRIM31	4.05	2.02	0.14268	0.24924	16.95	**4.08**	0.00011	**0.00074**
TRIM31-AS1	1.35	0.44	0.86936	0.92932	5.21	2.38	0.05419	0.14067
TRIM32	1.38	0.47	0.07550	0.14803	1.13	0.18	0.57868	0.74725
TRIM33	0.95	−0.08	0.76763	0.85813	1.05	0.07	0.66198	0.80803
TRIM34	0.53	−0.93	0.22219	0.35389	1.15	0.20	0.85969	0.93408
TRIM35	0.95	−0.07	0.66638	0.78374	0.63	−0.67	0.00568	0.02271
TRIM36	0.42	−1.24	0.03730	0.08243	1.05	0.07	0.87132	0.94100

TRIM37	1.55	0.63	0.00185	0.00596	1.51	0.60	0.00667	0.02588
TRIM38	0.74	−0.44	0.01782	0.04376	1.09	0.13	0.49653	0.67952
TRIM39	0.75	−0.41	0.17883	0.29790	0.91	−0.13	0.57895	0.74739
TRIM39-RPP21	0.92	−0.13	0.77393	0.86284				
TRIM4	0.83	−0.28	0.16343	0.27688	0.88	−0.18	0.29369	0.48485
TRIM40	0.90	−0.16	0.51916	0.66247	5.34	2.42	0.20792	0.38392
TRIM41	0.95	−0.08	0.56238	0.70071	1.01	0.01	0.94414	0.98639
TRIM43	89.89	**6.49**	0.00267	**0.00828**	10.94	3.45	0.11938	0.25691
TRIM44	0.74	−0.44	0.00389	0.01155	0.82	−0.29	0.11456	0.24901
TRIM45	3.94	**1.98**	3.21E−05	**0.00015**	2.48	**1.31**	0.00743	**0.02829**
TRIM46	1.71	0.78	0.30945	0.45622	3.44	**1.78**	0.00026	**0.00162**
TRIM47	1.22	0.29	0.23384	0.36829	1.98	0.99	2.36E−06	2.39E−05
TRIM48	398.89	8.64	0.13755	0.24211	440.48	8.78	0.24472	0.42950
TRIM49	195.98	7.61	0.04104	0.08932	45.89	5.52	0.29740	0.48879
TRIM49B	127.80	7.00	0.22515	0.35738				
TRIM49C	38.77	**5.28**	0.01353	**0.03444**				
TRIM5	0.61	−0.71	0.00257	0.00800	0.98	−0.03	0.91047	0.96450
TRIM50	0.56	−0.83	0.31935	0.46749	1.62	0.69	0.59242	0.75723
TRIM52	0.81	−0.31	0.35293	0.50239	1.12	0.17	0.60825	0.76819
TRIM52-AS1	0.61	−0.72	0.08984	0.17118	0.69	−0.54	0.13497	0.28166
TRIM53AP	7.08	2.82	0.82995	0.90187	17.69	4.14	0.54210	0.71806
TRIM54	5.50	2.46	0.15150	0.26126	13.18	**3.72**	3.04E−05	**0.00024**
TRIM55	0.77	−0.38	0.48006	0.62542	1.84	0.88	0.42318	0.61445
TRIM56	0.65	−0.63	2.25E−05	0.00011	0.72	−0.47	0.00607	0.02395
TRIM58	0.24	**−2.05**	0.00473	**0.01373**	0.23	**−2.12**	0.00234	**0.01086**
TRIM59	5.72	**2.51**	1.58E−13	**2.09E−12**	2.81	**1.49**	7.99E−05	**0.00057**
TRIM6	1.15	0.21	0.77895	0.86624	2.24	**1.17**	0.01015	**0.03651**
TRIM61	0.42	−1.26	0.11707	0.21297	0.76	−0.40	0.60826	0.76819
TRIM62	1.42	0.50	0.22876	0.36215	1.39	0.47	0.22510	0.40547
TRIM63	0.23	**−2.11**	0.00770	**0.02108**	0.58	−0.79	0.26827	0.45664
TRIM65	1.46	0.54	0.01609	0.04012	1.29	0.37	0.09159	0.21024
TRIM66	0.85	−0.23	0.44754	0.59638	1.10	0.14	0.66318	0.80889
TRIM67	3.58	1.84	0.14791	0.25634	5.54	2.47	0.05996	0.15187

TRIM68	0.88	−0.19	0.58413	0.71885	1.38	0.46	0.05851	0.14904
TRIM69	0.94	−0.10	0.62019	0.74805	0.70	−0.51	0.00681	0.02632
TRIM7	7.68	**2.94**	2.97E-11	**3.16E-10**	1.72	0.78	0.27999	0.47034
TRIM71	0.14	**−2.85**	1.62E-05	**8.14E-05**	0.34	−1.56	0.05491	0.14212
TRIM72	17.67	**4.14**	0.00451	**0.01317**	19.92	**4.32**	0.00070	**0.00385**
TRIM73	1.45	0.54	0.77289	0.86218	1.28	0.36	0.89454	0.95471
TRIM74	1.48	0.56	0.77147	0.86088	1.04	0.06	1.00000	1.00000
TRIM8	0.61	−0.71	5.57E-07	3.52E-06	1.12	0.16	0.45299	0.64247
TRIM9	7.05	**2.82**	4.20E-05	**0.00019**	6.74	**2.75**	0.00073	**0.00399**
TRIML1	3.39	1.76	0.28457	0.42744	3.82	1.93	0.47889	0.66484
TRIML2	16.26	4.02	0.06150	0.12478				

Table S2. The univariable Cox proportion hazards analysis of TRIM gene family members in LUSC and LUAD

	LUAD				LUSC			
	HR	95.0% CI		p	HR	95.0% CI		p
		Low limit	up limit			low limit	up limit	
MEFV	1.494	0.962	2.321	0.074	1.443	1.078	1.931	**0.014**
MID1	1.426	1.040	1.954	**0.028**	0.788	0.563	1.103	0.164
MID2	0.823	0.596	1.138	0.239	0.735	0.554	0.975	**0.033**
PML	1.388	1.026	1.877	**0.033**	1.322	0.992	1.760	0.057
TRIM10	1.363	1.014	1.833	**0.040**	1.388	1.044	1.847	**0.024**
TRIM13	0.643	0.457	0.906	**0.012**	1.202	0.905	1.596	0.204
TRIM14	1.383	0.923	2.073	0.116	1.385	1.031	1.861	**0.031**
TRIM15	1.560	1.159	2.101	**0.003**	1.353	1.023	1.789	**0.034**
TRIM16	1.781	1.320	2.402	**<0.001**	0.837	0.633	1.107	0.212
TRIM16L	1.531	0.959	2.444	0.074	0.871	0.658	1.152	0.332
TRIM17	1.141	0.808	1.613	0.454	0.897	0.673	1.196	0.460
TRIM2	0.672	0.479	0.941	**0.021**	0.637	0.433	0.935	**0.021**
TRIM21	1.383	0.954	2.005	0.087	1.277	0.965	1.690	0.087
TRIM22	0.632	0.444	0.900	**0.011**	1.319	0.986	1.765	0.062
TRIM23	0.704	0.523	0.947	**0.020**	0.626	0.380	1.030	0.065
TRIM24	0.628	0.466	0.846	**0.002**	2.050	1.208	3.480	**0.008**
TRIM26	0.816	0.606	1.099	0.181	0.831	0.614	1.124	0.230
TRIM27	0.685	0.507	0.927	**0.014**	1.270	0.943	1.710	0.116
TRIM28	1.678	1.246	2.259	**0.001**	0.706	0.429	1.163	0.172
TRIM29	1.673	1.146	2.444	**0.008**	0.760	0.545	1.060	0.106
TRIM3	1.993	0.817	4.863	0.130	1.864	1.169	2.972	**0.009**
TRIM31	1.416	1.018	1.971	**0.039**				
TRIM31AS1	0.685	0.421	1.116	0.129	2.080	1.063	4.073	**0.033**
TRIM32	1.162	0.863	1.565	0.322	1.301	0.982	1.723	0.067
TRIM33	1.323	0.961	1.822	0.087	0.759	0.562	1.024	0.071
TRIM34	1.298	0.963	1.751	0.087	1.773	1.213	2.591	**0.003**
TRIM35	0.631	0.387	1.028	0.065	0.809	0.583	1.123	0.205
TRIM36	1.203	0.861	1.681	0.278	1.223	0.921	1.624	0.165
TRIM37	1.231	0.915	1.656	0.169	1.265	0.953	1.679	0.104

TRIM38	0.598	0.436	0.820	**0.001**	0.593	0.344	1.023	0.060
TRIM39	0.666	0.491	0.903	**0.009**	1.450	0.930	2.261	0.101
TRIM39RPP2					0.856	0.646	1.134	0.279
TRIM4	0.711	0.465	1.086	0.114	0.411	0.217	0.777	**0.006**
TRIM40	1.369	1.013	1.851	**0.041**	1.199	0.835	1.721	0.326
TRIM41	1.434	0.813	2.529	0.213	0.741	0.500	1.100	0.137
TRIM43	1.302	0.863	1.964	0.208	0.839	0.555	1.269	0.406
TRIM44	4.744	1.175	19.163	**0.029**	0.622	0.458	0.844	**0.002**
TRIM45	1.273	0.914	1.774	0.154	1.616	0.993	2.630	0.053
TRIM46	2.602	1.151	5.881	**0.022**	1.423	1.012	2.002	**0.043**
TRIM47	1.452	1.062	1.987	**0.020**	1.136	0.756	1.707	0.540
TRIM48	0.601	0.354	1.020	0.059	0.808	0.527	1.240	0.330
TRIM49	0.667	0.457	0.974	**0.036**	0.636	0.429	0.944	**0.025**
TRIM5	1.270	0.942	1.712	0.116	1.607	1.122	2.302	**0.010**
TRIM50	0.636	0.458	0.883	**0.007**	1.280	0.967	1.695	0.085
TRIM52	0.734	0.545	0.990	**0.043**				
TRIM52AS1	0.703	0.517	0.956	**0.025**	1.167	0.846	1.608	0.347
TRIM53AP	5.402	1.707	17.094	**0.004**	0.706	0.429	1.162	0.170
TRIM54	0.612	0.400	0.935	**0.023**	1.213	0.900	1.635	0.205
TRIM55	0.601	0.427	0.846	**0.003**	1.484	1.110	1.984	**0.008**
TRIM56	1.161	0.829	1.626	0.385	0.881	0.631	1.231	0.457
TRIM58	1.445	1.075	1.944	**0.015**	2.039	1.495	2.782	**0.000**
TRIM59	1.825	1.253	2.657	**0.002**				
TRIM6	1.780	1.323	2.394	**<0.001**	1.336	0.990	1.802	0.058
TRIM61	0.555	0.137	2.245	0.409	1.673	1.246	2.246	**0.001**
TRIM62	0.649	0.481	0.873	**0.004**	1.610	1.077	2.405	**0.020**
TRIM63	0.809	0.596	1.100	0.176	1.402	1.005	1.956	**0.047**
TRIM65	0.790	0.588	1.062	0.118	1.861	0.822	4.212	0.136
TRIM66	0.869	0.636	1.188	0.380	1.541	0.987	2.407	0.057
TRIM67	1.310	0.969	1.772	0.079	0.830	0.605	1.138	0.246
TRIM68	0.665	0.476	0.929	**0.017**	1.348	1.019	1.785	**0.037**
TRIM69	1.352	0.994	1.840	0.055	1.236	0.932	1.638	0.141
TRIM7	1.812	1.337	2.456	**<0.001**	0.738	0.547	0.998	**0.048**

TRIM71	0.880	0.650	1.191	0.408	1.215	0.904	1.632	0.196
TRIM72	0.919	0.643	1.313	0.643	1.233	0.880	1.726	0.224
TRIM73	0.769	0.543	1.089	0.139				
TRIM74	0.765	0.568	1.028	0.076				
CMYA5					1.215	0.827	1.786	0.320
TRIM8	0.750	0.533	1.053	0.097	1.221	0.879	1.696	0.233
TRIM9	1.246	0.926	1.677	0.146	0.757	0.538	1.065	0.110
TRIML1					1.336	0.991	1.801	0.057
TRIML2	1.563	1.114	2.192	**0.010**	1.259	0.920	1.723	0.150

Table S3. The univariable Cox proportion hazards analysis of TRIM gene family members in LUSC and LUAD analysed by Kaplan-Meier Plotter

	affy ID	HR	95.0%CI low limit	up limit	Logrank P	affy ID	HR	95.0%CI low limit	up limit	Logrank P	affy ID	HR	95.0%CI low limit	up limit	Logrank P
CMYA5(TRIM76)	233520_s_at	1.600	1.150	2.230	0.005	237981_at	1.400	1.000	1.960	0.049					
MEFV(TRIM20)	208262_x_at	0.890	0.690	1.140	0.351										
MID1(TRIM1)	203636_at	0.620	0.490	0.790	0.000	203637_s_at	0.760	0.600	0.970	0.024	210694_s_at	1.190	0.920	1.540	0.174
MID2(TRIM18)	208384_s_at	0.870	0.680	1.110	0.256	209733_at	0.820	0.650	1.040	0.098					
	206503_x_at	0.820	0.650	1.050	0.112	209640_at	1.200	0.930	1.550	0.169	210362_x_at	0.840	0.660	1.070	0.160
PML(TRIM19)	211014_s_at	1.160	0.890	1.500	0.266	211588_s_at	0.800	0.620	1.030	0.078	211589_at	1.120	0.850	1.460	0.042
	211012_s_at	0.830	0.640	1.090	0.190	211013_x_at	1.100	0.820	1.470	0.520	239582_at	0.700	0.490	0.980	0.040
TRIM10	210578_at	1.320	1.040	1.680	0.023	210579_s_at	0.850	0.670	1.070	0.170	221627_at	1.200	0.940	1.540	0.140
	56748_at	1.240	0.970	1.580	0.086										
TRIM13	203659_s_at	0.840	0.650	1.090	0.188	229943_at	1.430	0.990	2.060	0.053	230192_at	0.800	0.560	1.150	0.226
TRIM14	203147_s_at	0.840	0.650	1.080	0.172	203148_s_at	0.710	0.540	0.930	0.013	210846_x_at	0.820	0.630	1.060	0.123
	211044_at	1.210	0.940	1.570	0.138	231934_at	1.130	0.810	1.590	0.463					
TRIM15	210177_at	0.840	0.660	1.060	0.141	210885_s_at	1.260	0.990	1.620	0.064	36742_at	1.300	1.010	1.680	0.043
TRIM16	204341_at	1.210	0.960	1.540	0.112										
TRIM16L	1559682_at	1.390	1.020	1.910	0.038										
TRIM17	220279_at	1.310	1.020	1.670	0.031										
TRIM2	202341_s_at	1.100	0.850	1.430	0.471	202342_s_at	0.860	0.670	1.090	0.213	214248_s_at	1.240	0.940	1.120	0.122
	214249_at	0.740	0.580	0.940	0.014	215945_s_at	0.850	0.670	1.070	0.163					
TRIM21	204804_at	1.160	0.900	1.490	0.248										
TRIM22	213293_s_at	0.780	0.610	0.990	0.042										
TRIM23	204732_s_at	1.210	0.910	1.610	0.187	210994_x_at	0.800	0.600	1.050	0.109	210995_s_at	0.810	0.640	1.030	0.084
TRIM24	204391_x_at	1.270	1.010	1.610	0.044	213301_x_at	1.230	0.970	1.550	0.088					
TRIM26	202702_at	1.190	0.940	1.510	0.155										
TRIM27	210541_s_at	0.840	0.650	1.090	0.189	212116_at	1.130	0.890	1.440	0.312	212118_at	1.260	0.990	1.610	0.056
TRIM28	200990_at	1.250	0.960	1.640	0.095										
TRIM29	202504_at	0.880	0.690	1.110	0.274	211001_at	0.890	0.680	1.180	0.436	211002_s_at	0.790	0.620	1.000	0.053
TRIM3	204910_s_at	1.250	0.970	1.620	0.085	204911_s_at	0.890	0.700	1.130	0.325	213884_s_at	1.420	1.090	1.860	0.010
	213885_at	1.210	0.920	1.590	0.181										

TRIM31	208170_s_at	1.250	0.960	1.630	0.103	210159_s_at	1.190	0.900	1.570	0.216	215444_s_at	1.140	0.870	1.480	0.339
TRIM32	203846_at	0.770	0.600	0.990	0.045	236233_at	1.530	1.060	2.220	0.023					
TRIM33	210266_s_at	1.370	1.050	1.790	0.022	212435_at	1.610	0.910	1.490	0.221	212436_at	1.240	0.980	1.570	0.078
	214815_at	0.820	0.620	1.070	0.147										
TRIM34	221044_s_at	1.320	1.020	1.720	0.036										
TRIM35	227102_at	0.630	0.460	0.860	0.000										
TRIM36	219736_at	0.910	0.710	1.150	0.410	231123_at	1.320	0.950	1.810	0.095					
TRIM37	1554001_at	0.770	0.560	1.060	0.108	213009_s_at	1.230	0.940	1.590	0.126					
TRIM38	203567_s_at	1.380	1.030	1.840	0.029	203568_s_at	0.690	0.530	0.910	0.008	203610_s_at	0.640	0.480	0.860	0.003
	235084_x_at	1.500	1.070	2.120	0.019										
TRIM39	218836_at	0.720	0.560	0.940	0.014	222732_at	0.790	0.580	1.070	0.125					
TRIM39RPP2	218836_at	0.720	0.560	0.940	0.014										
TRIM4	223384_s_at	0.650	0.470	0.910	0.012	224159_x_at	0.760	0.550	1.060	0.108					
TRIM40	1553079_at	0.770	0.560	1.080	0.131										
TRIM41	226445_s_at	1.280	0.930	1.750	0.125										
TRIM44	217759_at	0.86	0.68	1.09	0.22	217760_at	0.82	0.64	1.06	0.13					
TRIM45	219923_at	0.870	0.670	1.120	0.268	242056_at	1.270	0.920	1.750	0.140					
TRIM46	220909_at	0.910	0.730	1.150	0.415	238147_at	1.230	0.890	1.700	0.205					
TRIM47	225868_at	0.630	0.430	0.930	0.018										
TRIM48	220534_at	1.18	0.9	1.56	0.22										
TRIM49	221154_at	0.890	0.660	1.180	0.408										
TRIM5	210705_s_at	0.740	0.580	0.950	0.018	223830_s_at	0.780	0.560	1.110	0.165					
TRIM50	232721_at	1.260	0.900	1.750	0.174	231014_at	1.240	0.910	1.710	0.175					
TRIM52	1568594_s_at	1.62	1.17	2.25	0.0033	221897_at	0.78	0.61	1	0.05					
TRIM52AS1	1557507_at	0.890	0.650	1.210	0.445	228664_at	0.730	0.520	1.040	0.081					
TRIM54	233669_s_at	1.510	1.090	2.080	0.013										
TRIM55	232721_at	1.290	0.940	1.760	0.113	236175_at	1.330	0.980	1.820	0.070					
TRIM56	231876_at	0.600	0.430	0.850	0.004										
TRIM58	215047_at	0.970	0.760	1.220	0.779										
TRIM59	227801_at	1.52	1.03	2.22	0.032	235476_at	1.32	0.96	1.82	0.088					
TRIM6	223599_at	1.420	1.030	1.950	0.032										
TRIM61	232063_x_at	0.730	0.540	1.000	0.047	238990_x_at	1.200	0.880	1.650	0.248	240342_at	0.840	0.600	1.160	0.291
TRIM62	219272_at	1.170	0.890	1.540	0.251	58308_at									

TRIM63	236972_at	0.730	0.520	1.000	0.052									
TRIM65	235081_x_at	0.830	0.570	1.200	0.320									
TRIM66	213748_at	1.190	0.940	1.510	0.153	229466_at	1.420	1.030	5.000	0.031				
TRIM67	233357_at	1.220	0.870	1.720	0.251									
TRIM68	219405_at	0.770	0.600	0.970	0.029									
TRIM69	232792_at	0.800	0.580	1.100	0.174									
TRIM7	1554735_a_at	0.780	0.530	1.130	0.185	223694_at	0.780	0.530	1.130	0.185	239694_at	0.750	0.530	1.060	0.098
TRIM8	221012_s_at	0.800	0.620	1.030	0.087	223131_s_at	0.570	0.410	0.800	0.001	223132_s_at	0.660	0.480	0.920	0.014
	231161_x_at	0.680	0.490	0.940	0.019	231161_x_at	0.680	0.490	0.940	0.019				
TRIM9	209859_at	1.420	1.110	1.820	0.006	230280_at	1.410	1.020	1.950	0.036				
TRIML1	1557677_a_at	1.290	0.930	1.780	0.128									
TRIML2	1552580_at	0.770	0.540	1.090	0.134									

Variables	Number (%)
Gender	
Male	12 (70.6%)
Female	5(29.4%)
Age	
<65	13 (76.5%)
≥65	4 (23.5 %)
Differentiation	
Well/moderate differentiation	3 (17.6%)
Poor differentiation	14 (82.4%)
Histology	
Adenocarcinoma	8(47.1%)
Squamous cell carcinoma	9(52.9%)
Pathological Tumor Stage	
T_{1-2}	10 (58.8%)
T_{3-4}	7 (41.2%)
Pathological Nodal Stage	
N_0	4 (23.6%)
N_1	3 (17.6%)
N_2	10(58.8%)
TNM	
I-II	6 (35.3%)
III	11(64.7%)

Table S4. The clinicopathologic features of 17 patients