

SUPPLEMENTARY TABLES

Supplementary Table 1. Prognosis associated genes between C1 and C2 groups.

Gene	HR	z	P-value	Lower	Upper
LDHA	1.360890939	3.707311499	0.000209471	1.156309886	1.601667659
GAPDH	1.311404491	3.57007769	0.000356875	1.130054847	1.521856875
TPI1	1.230060274	2.335626069	0.019510739	1.033864827	1.463487527
VDAC2	1.214727042	1.977002413	0.048041357	1.001677835	1.473090183
ALDOA	1.209959033	2.281359892	0.022527159	1.027213353	1.425215957
CTSL	1.178130335	2.811213704	0.004935499	1.050891073	1.320775409
MIF	1.174266645	2.177645446	0.029432443	1.01618788	1.356936234
PLAUR	1.145686306	2.284546906	0.022339409	1.019510999	1.287477147
ERRFI1	1.144607836	2.30380039	0.021233851	1.020362213	1.283982375
ASPH	1.134771595	2.312315735	0.02076029	1.019452455	1.263135487
MT2A	1.11485957	2.044269965	0.040926885	1.004494045	1.23735115
SCGB1A1	0.957232918	-2.496704198	0.012535347	0.924945346	0.99064757
SFTPC	0.951924195	-3.082844116	0.002050325	0.922568243	0.982214248
AQP5	0.950860677	-2.394798961	0.01662948	0.912446049	0.990892588
SCGB3A2	0.948836286	-2.632648622	0.008472195	0.912453137	0.986670177
PIGR	0.943784359	-2.540433142	0.011071526	0.902582536	0.986866996
SCGB3A1	0.933044378	-3.340134876	0.000837377	0.895862206	0.971769772
CCL19	0.93144917	-2.037018444	0.041648194	0.869931265	0.997317365
IGHA1	0.925143464	-2.027833339	0.04257726	0.858122155	0.997399291
FOLR1	0.923837419	-2.665116957	0.007696155	0.871553474	0.979257845
IGKC	0.923072168	-2.202464509	0.027632513	0.859605156	0.991225123
SLC22A31	0.919273438	-2.949283292	0.003185119	0.86926396	0.972160002
C4BPA	0.917551185	-3.465879222	0.000528501	0.873972233	0.963303117
SFTA1P	0.914684476	-2.882207165	0.003949	0.860864799	0.971868859
C7	0.913936967	-2.854753547	0.004307024	0.859177392	0.972186638
SFTPB	0.911886553	-4.239856378	2.24E-05	0.873821241	0.951610061
SFTPD	0.909237414	-3.544634867	0.000393157	0.862637628	0.958354526
C16orf89	0.907997902	-3.837446851	0.00012432	0.864324474	0.953878103
NAPSA	0.906894162	-4.10130205	4.11E-05	0.865512626	0.950254215
AQP3	0.906421516	-2.681734804	0.00732415	0.843615789	0.973903021
IGLC3	0.903923499	-2.777570168	0.005476701	0.841737049	0.970704204
RGS1	0.902500596	-2.008603703	0.044579178	0.816533231	0.997518894
DCN	0.898596825	-2.026246759	0.042739504	0.810305431	0.996508506
HLA-DQB1	0.892443129	-2.699060479	0.006953554	0.821663248	0.969320144
GDF15	0.887924503	-2.8459562	0.004427828	0.818132143	0.963670637
IL7R	0.887066616	-2.420111186	0.015515762	0.805022091	0.977472781
TRAC	0.885218608	-2.124717296	0.033610209	0.79105529	0.990590664
TRBC2	0.885124367	-2.171268029	0.029910918	0.792804386	0.988194767
HLA-DRB5	0.884982441	-3.061262949	0.002204054	0.818388905	0.956994793
HLA-DPA1	0.884854804	-2.594201323	0.009481095	0.806738717	0.970534832
LTB	0.883876998	-2.522370393	0.01165669	0.803038818	0.972852782
SPARCL1	0.882290731	-2.183385667	0.029007421	0.788476734	0.987266841
CXCL17	0.879437443	-4.576053762	4.74E-06	0.832352798	0.929185579
LST1	0.87873819	-2.369291868	0.017822183	0.789619834	0.977914653
MS4A7	0.878056597	-2.39953259	0.016416018	0.78957082	0.976458815
CYB5A	0.877396939	-2.253662039	0.024217437	0.783059806	0.983099097
A2M	0.876367584	-2.350669233	0.018739684	0.785052556	0.97830411
MFAP4	0.875952513	-3.015423202	0.002566209	0.803700233	0.95470024
CD79A	0.875236415	-3.363419537	0.000769833	0.809841682	0.945911774
HLA-DRB1	0.874978348	-2.7879849	0.005303702	0.796564948	0.961110718
SFTA3	0.874968709	-4.957668635	7.13E-07	0.829965145	0.922412521

SOD3	0.873822967	-2.512205712	0.011997913	0.786544699	0.970785994
ACP5	0.873398978	-2.059267081	0.03946866	0.767821436	0.993493719
TSTD1	0.872882353	-1.979854526	0.047719877	0.762964996	0.99863507
HLA-DQA1	0.872548687	-3.01019349	0.002610813	0.798430819	0.953546874
CD74	0.871151342	-2.760652055	0.00576861	0.789882007	0.960782312
HLA-DRA	0.870665571	-2.854035064	0.004316777	0.791671919	0.957541272
CD3D	0.869754364	-2.535314672	0.011234636	0.780811569	0.968828696
CD48	0.869151053	-2.609124888	0.009077411	0.782246932	0.965709831
TSC22D3	0.868276687	-2.231458122	0.025650799	0.766972058	0.982962022
WFDC2	0.865746406	-3.525547716	0.000422608	0.799068842	0.937987817
HLA-DPB1	0.865639757	-2.931664764	0.003371505	0.786038805	0.953301777
IFT57	0.864129833	-2.397057713	0.01652732	0.766871432	0.973723022
CD37	0.864018055	-2.565435951	0.010304624	0.772728572	0.9660924
RNASE1	0.86325175	-3.302698273	0.000957594	0.791113288	0.941968231
BCAM	0.862131242	-2.664016675	0.007721374	0.772989487	0.961552895
PTGDS	0.861585425	-3.315587512	0.000914507	0.788952486	0.940905135
CD69	0.861299386	-2.906354643	0.003656667	0.778796352	0.952542511
HNMT	0.856921261	-2.304196835	0.021211597	0.751449934	0.977196235
HLA-DMB	0.854469141	-3.03274766	0.002423382	0.771887532	0.945885874
WSB1	0.852954777	-2.600305038	0.009314093	0.756592281	0.961590371
SNHG7	0.849665238	-2.273041308	0.023023691	0.738313395	0.977811078
NUPR1	0.848438019	-2.911106298	0.003601515	0.759560035	0.947715834
ID2	0.84258859	-2.347495228	0.018900115	0.730315876	0.972121181
CXCR4	0.842309652	-2.607587163	0.009118285	0.740377932	0.958274849
MGP	0.841554756	-3.26310677	0.00110198	0.758723601	0.933428729
LTA4H	0.840710894	-2.086643419	0.036920379	0.714279236	0.989521704
TRBC1	0.837212032	-3.285221497	0.001019022	0.753007112	0.930833157
TMSB4X	0.833258015	-2.299083481	0.021500199	0.713253948	0.973452612
CD47	0.830496348	-2.424255386	0.015339814	0.714700073	0.965054028
EPHX1	0.828418415	-3.51881723	0.000433475	0.745959504	0.919992394
ALDH2	0.826400318	-2.974475226	0.002934902	0.728827901	0.93703532
ASAH1	0.823374798	-2.436539778	0.014828538	0.704212712	0.962700681
HLA-DMA	0.823143292	-3.491285992	0.000480701	0.737945727	0.918177117
ATP6V0D1	0.822638322	-2.070159278	0.038437431	0.683803519	0.989661197
CTSZ	0.822143977	-2.46294847	0.013779972	0.703501686	0.960794739
SSR4	0.820126991	-2.39091454	0.016806464	0.697083361	0.964889308
NPC2	0.818435795	-3.507431274	0.000452455	0.731745627	0.915396178
VAMP8	0.816019376	-2.364851588	0.018037298	0.689475368	0.965788849
CTSH	0.815403585	-3.791665484	0.00014964	0.733769919	0.906119191
COX14	0.814171368	-2.16454563	0.030422499	0.675881142	0.980756787
C14orf28	0.811471679	-1.99542611	0.045996426	0.660935533	0.996294271
KLRB1	0.811261893	-3.496017517	0.000472258	0.721496564	0.912195417
FBP1	0.809136416	-3.522662073	0.000427236	0.719194285	0.910326671
SMDT1	0.80182364	-2.328189804	0.019902027	0.66577667	0.96567089
FCGRT	0.783363551	-3.180936097	0.001468	0.673950311	0.91053961
HMGX3	0.782802046	-3.044670394	0.002329354	0.668639276	0.916456848
CIRBP	0.7817752	-2.967341056	0.003003875	0.664448321	0.919819411
ISCU	0.755610674	-2.501133314	0.012379657	0.606636824	0.941168535
AKR1A1	0.749640083	-2.631956588	0.008489471	0.604864718	0.929067671
PEBP1	0.745189336	-3.066893752	0.002162957	0.61749848	0.899285043

Supplementary Table 2. The clinical features of NSCLC patients.

Sex	Age	Tumor size (cm×cm×cm)	T	N	M	Differentiation grade
Male	45	2.5*2*1.5	4	2	1a	medium-low differentiated adenocarcinoma
Female	56	3.5*3*3	2a	2	0	medium-low differentiated adenocarcinoma
Male	62	5*4.5*4	3	1	0	medium-differentiated adenocarcinoma
Female	66	3.1*2.6*2.2	3	0	0	medium-differentiated adenocarcinoma
Female	57	4.5*3.5*3	2b	2	0	medium-differentiated adenocarcinoma
Male	56	6.5*4*4	3	0	0	poorly differentiated adenocarcinoma
Male	50	1*1*0.3+1.5*1*0.5	3	1	1a	poorly differentiated adenocarcinoma
Female	48	1.1*0.9*0.3	1b	0	0	highly differentiated adenocarcinoma
Female	68	1*1*0.7	2a	0	0	medium-differentiated adenocarcinoma
Female	59	4.2*4.5*2.6	2b	0	0	medium-differentiated adenocarcinoma
Female	55	2*1.5*1	2a	0	0	medium-differentiated adenocarcinoma
Male	59	3.7*3.3*1.7	2a	2	0	medium-low differentiated adenocarcinoma
Male	68	5*3.5*2	2b	0	0	medium-low differentiated adenocarcinoma
Female	60	2.6*1.8*1.5	2a	0	0	medium-differentiated adenocarcinoma
Male	58	1.3*0.6*0.6	1b	0	0	highly differentiated adenocarcinoma