

SUPPLEMENTARY TABLES

Supplementary Table 3. The primer sequences of the five prognostic genes.

Primers for detection prognostic genes		
Gene	Forward Primer	Reverse Primer
FYN	CCCAACTACAACAACCTCCACG	GCTGGGAATGTAACCTGTCTCTC
PPP1CB	GTCGTCCAGGAAAGATTGTGC	AAGATAGTTGGCTTCTGGTGGG
PPP1CC	AACGGCTGCTGGAAGTGAGA	CACATAGTCCCCAAGAAACAGGTA
RAC1	AGGCCATCAAGTGTGTGGTG	AAGAACACATCTGTTTGCGGA
SPP1	CGAAGTTTTCACTCCAGTTGTCC	AGGTGATGTCCTCGTCTGTAGC
beta-actin	CACCCAGCACAAATGAAGATCAAGAT	CCAGTTTTTAAATCCTGAGTCAAGC

Supplementary Table 4. The results of correlation analysis of the prognosis gene expression and chemotherapy drug sensitivity.

Gene	Drug	cor	P value
PPP1CC	Chelerythrine	0.441276	0.000417
PPP1CC	AT-13387	0.387333	0.002232
FYN	8-Chloro-adenosine	-0.37588	0.00308
SPP1	Gefitinib	0.375562	0.003107
FYN	PX-316	0.365799	0.00405
PPP1CC	Amonafide	0.36321	0.00434
FYN	Afatinib	-0.35729	0.00507
SPP1	Erlotinib	0.354486	0.005454
SPP1	Lapatinib	0.349174	0.006249
FYN	AFP464	-0.34638	0.006706
FYN	AP-26113	-0.3443	0.007065
FYN	Erlotinib	-0.34236	0.007416
FYN	Nitrogen mustard	-0.34175	0.007529
PPP1CC	Fenretinide	0.340414	0.007782
PPP1CC	Everolimus	-0.33663	0.00854
RAC1	Fluorouracil	-0.33528	0.008826
PPP1CC	Parthenolide	0.334771	0.008936
FYN	Dasatinib	-0.32779	0.010567
FYN	SR16157	-0.3271	0.010741
SPP1	bisacodyl, active ingredient of viraplex	-0.32687	0.010801
SPP1	Vandetanib	0.325235	0.011225
FYN	Bosutinib	-0.32482	0.011335
PPP1CC	Hydroxyurea	0.323699	0.011638
FYN	Ifosfamide	0.321856	0.01215
FYN	AZD-9291	-0.32021	0.012624
FYN	Fluorouracil	-0.31794	0.013304
FYN	Fulvestrant	-0.31674	0.013675
SPP1	Ibrutinib	0.314877	0.01427
PPP1CC	Obatoclox	0.312132	0.015186
SPP1	O-6-Benzylguanidine	0.310572	0.01573
PPP1CC	Fludarabine	0.309772	0.016015
PPP1CC	Vorinostat	0.307914	0.016694
SPP1	AZD-9291	0.305134	0.017755
SPP1	Acetalax	-0.30066	0.019585
RAC1	By-Product of CUDC-305	-0.29558	0.021854
FYN	Nelarabine	0.295181	0.022042
FYN	okadaic acid	0.294564	0.022334
PPP1CC	RH1	0.293265	0.022961
FYN	PD-98059	0.293151	0.023017
PPP1CB	Tegafur	-0.29263	0.023272
RAC1	Simvastatin	0.29189	0.02364
FYN	Elesclomol	-0.29039	0.024402
FYN	Chelerythrine	0.289922	0.024641
PPP1CC	8-Chloro-adenosine	0.288427	0.025426
SPP1	Cordycepin	-0.28794	0.025684

FYN	Ibrutinib	-0.28792	0.025698
PPP1CC	Pyrazoloacridine	0.286543	0.026444
RAC1	Denileukin Diftitox Ontak	-0.28369	0.02805
SPP1	Afatinib	0.283317	0.028267
PPP1CC	Palbociclib	0.280656	0.029849
FYN	BML-277	-0.28028	0.030081
SPP1	Dabrafenib	0.278976	0.030886
FYN	Pipamperone	0.278767	0.031018
FYN	Aminoflavone	-0.27842	0.031235
FYN	Salinomycin	-0.27837	0.031268
PPP1CB	Dabrafenib	-0.27821	0.031371
PPP1CB	Entinostat	-0.27667	0.032358
FYN	Vemurafenib	0.276352	0.032566
FYN	Allopurinol	-0.27561	0.033052
SPP1	Tyrothricin	-0.27432	0.033919
PPP1CB	Ixabepilone	-0.27379	0.034277
PPP1CC	Nelarabine	0.273062	0.034778
PPP1CC	Imexon	0.271078	0.036171
FYN	Gefitinib	-0.27104	0.036199
PPP1CC	Cladribine	0.268455	0.038085
PPP1CC	Allopurinol	0.267602	0.038725
PPP1CB	6-Mercaptopurine	-0.26759	0.038735
FYN	Tegafur	-0.26681	0.039326
PPP1CB	Vemurafenib	-0.26558	0.040278
FYN	Sonidegib	-0.26506	0.040684
PPP1CC	Belinostat	0.264338	0.041257
FYN	Everolimus	-0.26137	0.043673
FYN	Vandetanib	-0.2582	0.046388
FYN	1st Precursor Intermediate to TDP 665759	-0.25774	0.04679
SPP1	Cobimetinib (isomer 1)	0.25733	0.047155
FYN	Itraconazole	-0.25568	0.048637
PPP1CC	Cytarabine	0.254939	0.049319
SPP1	Trametinib	0.254883	0.04937

Supplementary Table 5. The detail information of the antibodies used in immunohistochemistry.

Protein	Antibody Name	Antibody Number	Company
FYN	Anti-FYN antibody [D2-A10]	EM1709-88	HUABIO
PPP1CB	Anti-PPP1CB antibody [A7-C7]	EM1706-97	HUABIO
PPP1CC	PPP1CC Polyclonal Antibody	11082-1-AP	Proteintech
RAC1	RAC1 Monoclonal Antibody	66122-1-Ig	Proteintech
SPP1	Osteopontin Polyclonal Antibody	22952-1-AP	Proteintech