

Box S1 The information of 480 genes related to platelets

<i>A1BG</i>	<i>A2M</i>	<i>AAMP</i>	<i>ABCC4</i>	<i>ABHD12</i>	<i>ABHD6</i>	<i>ABL1</i>	<i>ACTB</i>
<i>ACTN1</i>	<i>ACTN2</i>	<i>ACTN4</i>	<i>ADRA2A</i>	<i>ADRA2B</i>	<i>ADRA2C</i>	<i>AHSG</i>	<i>AK3</i>
<i>AKAP1</i>	<i>AKAP10</i>	<i>AKT1</i>	<i>ALB</i>	<i>ALDOA</i>	<i>ANXA5</i>	<i>APBB1IP</i>	<i>APLP2</i>
<i>APOA1</i>	<i>APOH</i>	<i>APOOL</i>	<i>APP</i>	<i>ARRB1</i>	<i>ARRB2</i>	<i>ASAH1</i>	<i>BCAR1</i>
<i>BEX3</i>	<i>BRPF3</i>	<i>CABLES1</i>	<i>CABLES2</i>	<i>CALM1</i>	<i>CALU</i>	<i>CAP1</i>	<i>CAPZA1</i>
<i>CAPZA2</i>	<i>CAPZB</i>	<i>CARMIL1</i>	<i>CBX5</i>	<i>CCL5</i>	<i>CD109</i>	<i>CD36</i>	<i>CD63</i>
<i>CD9</i>	<i>CDC37L1</i>	<i>CDC42</i>	<i>CDK2</i>	<i>CDK5</i>	<i>CENPE</i>	<i>CFD</i>	<i>CFL1</i>
<i>CHID1</i>	<i>CLEC1B</i>	<i>CLEC3B</i>	<i>CLU</i>	<i>COL1A1</i>	<i>COL1A2</i>	<i>CRK</i>	<i>CSK</i>
<i>CTSA</i>	<i>CTSW</i>	<i>CTTN</i>	<i>CXCL5</i>	<i>CYB5R1</i>	<i>CYRIB</i>	<i>DAGLA</i>	<i>DAGLB</i>
<i>DAPP1</i>	<i>DGKA</i>	<i>DGKB</i>	<i>DGKD</i>	<i>DGKE</i>	<i>DGKG</i>	<i>DGKH</i>	<i>DGKI</i>
<i>DGKK</i>	<i>DGKQ</i>	<i>DGKZ</i>	<i>DOCK1</i>	<i>DOCK10</i>	<i>DOCK11</i>	<i>DOCK2</i>	<i>DOCK3</i>
<i>DOCK4</i>	<i>DOCK5</i>	<i>DOCK6</i>	<i>DOCK7</i>	<i>DOCK8</i>	<i>DOCK9</i>	<i>ECM1</i>	<i>EGF</i>
<i>EHD1</i>	<i>EHD2</i>	<i>EHD3</i>	<i>EIF2AK1</i>	<i>ENDOD1</i>	<i>F13A1</i>	<i>F2</i>	<i>F2R</i>
<i>F2RL2</i>	<i>F2RL3</i>	<i>F5</i>	<i>F8</i>	<i>FAM3C</i>	<i>FCER1G</i>	<i>FERMT3</i>	<i>FGA</i>
<i>FGB</i>	<i>FGG</i>	<i>FHL1</i>	<i>FLNA</i>	<i>FN1</i>	<i>FYN</i>	<i>GAS6</i>	<i>GATA1</i>
<i>GATA2</i>	<i>GATA3</i>	<i>GATA4</i>	<i>GATA5</i>	<i>GATA6</i>	<i>GLA</i>	<i>GNA11</i>	<i>GNA12</i>
<i>GNA13</i>	<i>GNA14</i>	<i>GNA15</i>	<i>GNAI1</i>	<i>GNAI2</i>	<i>GNAI3</i>	<i>GNAQ</i>	<i>GNAS</i>
<i>GNAT3</i>	<i>GNB1</i>	<i>GNB2</i>	<i>GNB3</i>	<i>GNB4</i>	<i>GNB5</i>	<i>GNG10</i>	<i>GNG11</i>
<i>GNG12</i>	<i>GNG13</i>	<i>GNG2</i>	<i>GNG3</i>	<i>GNG4</i>	<i>GNG5</i>	<i>GNG7</i>	<i>GNG8</i>
<i>GNGT1</i>	<i>GNGT2</i>	<i>GP1BA</i>	<i>GP1BB</i>	<i>GP5</i>	<i>GP6</i>	<i>GP9</i>	<i>GRB2</i>
<i>GTPBP2</i>	<i>H2AC6</i>	<i>H2BC21</i>	<i>H3-3A</i>	<i>H3-3B</i>	<i>H3C1</i>	<i>H3C10</i>	<i>H3C11</i>
<i>H3C12</i>	<i>H3C13</i>	<i>H3C14</i>	<i>H3C15</i>	<i>H3C2</i>	<i>H3C3</i>	<i>H3C4</i>	<i>H3C6</i>
<i>H3C7</i>	<i>H3C8</i>	<i>HABP4</i>	<i>HBA1</i>	<i>HBB</i>	<i>HBD</i>	<i>HBE1</i>	<i>HBG1</i>
<i>HBG2</i>	<i>HDAC1</i>	<i>HDAC2</i>	<i>HGF</i>	<i>HMG20B</i>	<i>HRG</i>	<i>HSPA5</i>	<i>IFNA1</i>
<i>IFNA10</i>	<i>IFNA13</i>	<i>IFNA14</i>	<i>IFNA16</i>	<i>IFNA17</i>	<i>IFNA2</i>	<i>IFNA21</i>	<i>IFNA4</i>
<i>IFNA5</i>	<i>IFNA6</i>	<i>IFNA7</i>	<i>IFNA8</i>	<i>IFNB1</i>	<i>IGF1</i>	<i>IGF2</i>	<i>IRF1</i>
<i>IRF2</i>	<i>ISLR</i>	<i>ITGA2B</i>	<i>ITGB3</i>	<i>ITGB5</i>	<i>ITIH3</i>	<i>ITIH4</i>	<i>ITPK1</i>
<i>ITPR1</i>	<i>ITPR2</i>	<i>ITPR3</i>	<i>JAK2</i>	<i>JMJD1C</i>	<i>KDM1A</i>	<i>KIF11</i>	<i>KIF12</i>
<i>KIF13B</i>	<i>KIF15</i>	<i>KIF16B</i>	<i>KIF18A</i>	<i>KIF18B</i>	<i>KIF19</i>	<i>KIF1A</i>	<i>KIF1B</i>
<i>KIF1C</i>	<i>KIF20A</i>	<i>KIF20B</i>	<i>KIF21A</i>	<i>KIF21B</i>	<i>KIF22</i>	<i>KIF23</i>	<i>KIF25</i>
<i>KIF26A</i>	<i>KIF26B</i>	<i>KIF27</i>	<i>KIF2A</i>	<i>KIF2B</i>	<i>KIF2C</i>	<i>KIF3A</i>	<i>KIF3B</i>
<i>KIF3C</i>	<i>KIF4A</i>	<i>KIF4B</i>	<i>KIF5A</i>	<i>KIF5B</i>	<i>KIF6</i>	<i>KIF9</i>	<i>KIFAP3</i>
<i>KIFC1</i>	<i>KIFC2</i>	<i>KLC1</i>	<i>KLC2</i>	<i>KLC3</i>	<i>KLC4</i>	<i>KNG1</i>	<i>LAMP2</i>
<i>LAT</i>	<i>LCK</i>	<i>LCP2</i>	<i>LEFTY2</i>	<i>LEPROT</i>	<i>LGALS3BP</i>	<i>LHFPL2</i>	<i>LY6G6F</i>
<i>LYN</i>	<i>MAFF</i>	<i>MAFG</i>	<i>MAFK</i>	<i>MAGED2</i>	<i>MANF</i>	<i>MAP3K7CL</i>	<i>MAPK1</i>
<i>MAPK14</i>	<i>MAPK3</i>	<i>MAX</i>	<i>MFAP3L</i>	<i>MFN1</i>	<i>MFN2</i>	<i>MGLL</i>	<i>MICAL1</i>

Box S1 (continued)

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<i>MLH3</i>	<i>MMD</i>	<i>MMRN1</i>	<i>MPIG6B</i>	<i>MPL</i>	<i>MPP1</i>	<i>MYB</i>	<i>MYLK</i>
<i>NAP1L1</i>	<i>NFE2</i>	<i>NHLRC2</i>	<i>NRGN</i>	<i>ODC1</i>	<i>OLA1</i>	<i>ORM1</i>	<i>ORM2</i>
<i>P2RY1</i>	<i>P2RY12</i>	<i>PCDH7</i>	<i>PCYOX1L</i>	<i>PDGFA</i>	<i>PDGFB</i>	<i>PDLIM1</i>	<i>PDPK1</i>
<i>PDPN</i>	<i>PECAM1</i>	<i>PF4</i>	<i>PF4V1</i>	<i>PFN1</i>	<i>PGRMC1</i>	<i>PHACTR2</i>	<i>PHF21A</i>
<i>PIK3CA</i>	<i>PIK3CB</i>	<i>PIK3CG</i>	<i>PIK3R1</i>	<i>PIK3R2</i>	<i>PIK3R3</i>	<i>PIK3R5</i>	<i>PIK3R6</i>
<i>PIP4K2A</i>	<i>PLA2G4A</i>	<i>PLCG2</i>	<i>PLEK</i>	<i>PLG</i>	<i>PPBP</i>	<i>PPIA</i>	<i>PPM1A</i>
<i>PRDX6</i>	<i>PRKACA</i>	<i>PRKACB</i>	<i>PRKACG</i>	<i>PRKAR1A</i>	<i>PRKAR1B</i>	<i>PRKAR2A</i>	<i>PRKAR2B</i>
<i>PRKCA</i>	<i>PRKCB</i>	<i>PRKCD</i>	<i>PRKCE</i>	<i>PRKCG</i>	<i>PRKCH</i>	<i>PRKCQ</i>	<i>PRKCZ</i>
<i>PROS1</i>	<i>PRUNE1</i>	<i>PSAP</i>	<i>PTGS1</i>	<i>PTK2</i>	<i>PTPN1</i>	<i>PTPN11</i>	<i>PTPN12</i>
<i>PTPN6</i>	<i>QSOX1</i>	<i>RAB27B</i>	<i>RAB31</i>	<i>RAB5A</i>	<i>RABGAP1L</i>	<i>RAC1</i>	<i>RAC2</i>
<i>RACGAP1</i>	<i>RAD51B</i>	<i>RAD51C</i>	<i>RAF1</i>	<i>RAP1A</i>	<i>RAP1B</i>	<i>RAPGEF3</i>	<i>RAPGEF4</i>
<i>RARRES2</i>	<i>RASGRP1</i>	<i>RASGRP2</i>	<i>RBSN</i>	<i>RCOR1</i>	<i>RGS10</i>	<i>RHOA</i>	<i>RHOB</i>
<i>RHOG</i>	<i>RNF11</i>	<i>RSU1</i>	<i>RUFY1</i>	<i>RYBP</i>	<i>SCCPDH</i>	<i>SCG3</i>	<i>SELENOP</i>
<i>SELP</i>	<i>SERPINA1</i>	<i>SERPINA3</i>	<i>SERPINA4</i>	<i>SERPINE1</i>	<i>SERPINF2</i>	<i>SERPING1</i>	<i>SH2B1</i>
<i>SH2B2</i>	<i>SH2B3</i>	<i>SHC1</i>	<i>SIN3A</i>	<i>SNCA</i>	<i>SNN</i>	<i>SOD1</i>	<i>SOS1</i>
<i>SPARC</i>	<i>SPP2</i>	<i>SRC</i>	<i>SRGN</i>	<i>STX4</i>	<i>STXBP2</i>	<i>STXBP3</i>	<i>SYK</i>
<i>SYTL4</i>	<i>TAGLN2</i>	<i>TAX1BP3</i>	<i>TBXA2R</i>	<i>TEX264</i>	<i>TF</i>	<i>TGFB1</i>	<i>TGFB2</i>
<i>TGFB3</i>	<i>THBS1</i>	<i>THPO</i>	<i>TIMP1</i>	<i>TIMP3</i>	<i>TLN1</i>	<i>TMEM140</i>	<i>TMSB4X</i>
<i>TMX3</i>	<i>TNFSF4</i>	<i>TOR4A</i>	<i>TP53</i>	<i>TPM1</i>	<i>TRPC3</i>	<i>TRPC6</i>	<i>TRPC7</i>
<i>TSC22D1</i>	<i>TTN</i>	<i>TUBA1A</i>	<i>TUBA1B</i>	<i>TUBA1C</i>	<i>TUBA3C</i>	<i>TUBA3D</i>	<i>TUBA3E</i>
<i>TUBA4A</i>	<i>TUBA4B</i>	<i>TUBA8</i>	<i>TUBAL3</i>	<i>TUBB1</i>	<i>TUBB2A</i>	<i>TUBB2B</i>	<i>TUBB3</i>
<i>TUBB4A</i>	<i>TUBB4B</i>	<i>TUBB6</i>	<i>TUBB8</i>	<i>TUBB8B</i>	<i>VAV1</i>	<i>VAV2</i>	<i>VAV3</i>
<i>VCL</i>	<i>VEGFA</i>	<i>VEGFB</i>	<i>VEGFC</i>	<i>VEGFD</i>	<i>VPS45</i>	<i>VT11B</i>	<i>VWF</i>
<i>WDR1</i>	<i>WEE1</i>	<i>WIPF1</i>	<i>YPEL5</i>	<i>YWHAZ</i>	<i>ZFPM1</i>	<i>ZFPM2</i>	<i>ZNF185</i>

Table S1 Other models had been established for bladder cancer

signature	Title	PMID
Kun	Development of prognostic signature based on immune-related genes in muscle-invasive bladder cancer: bioinformatics analysis of TCGA database	33465047
Rui	An EMT-related gene signature for the prognosis of human bladder cancer	31657881
Ke	Development and validation of a novel lipid metabolism-related gene prognostic signature and candidate drugs for patients with bladder cancer	34706720
Sun	Identification of a Novel Ferroptosis-Related Gene Prognostic Signature in Bladder Cancer	34557413
Yan	A Novel Ferroptosis-Related Prognostic Signature Reveals Macrophage Infiltration and EMT Status in Bladder Cancer	34490263
Zhu	Identification of a chromatin regulator signature and potential candidate drugs for bladder cancer	35125116
Wu	A TP53-Associated Immune Prognostic Signature for the Prediction of Overall Survival and Therapeutic Responses in Muscle-Invasive Bladder Cancer	33391264
Yang	A Novel Prognostic Model Based on Ferroptosis-Related Gene Signature for Bladder Cancer	34422642
Liu	A Robust Hypoxia Risk Score Predicts the Clinical Outcomes and Tumor Microenvironment Immune Characters in Bladder Cancer	34484235
Jiang	New Prognostic Gene Signature and Immune Escape Mechanisms of Bladder Cancer	35646934
Song	Identification and Quantification of Iron Metabolism Landscape on Therapy and Prognosis in Bladder Cancer	35265613
Zhang	Identification and validation of a novel signature for prediction the prognosis and immunotherapy benefit in bladder cancer	35127296
Guo	Identification of immune-related genes that predict prognosis and risk of bladder cancer: bioinformatics analysis of TCGA database	34329197
LiuJC	Construction and External Validation of a Ferroptosis-Related Gene Signature of Predictive Value for the Overall Survival in Bladder Cancer	34095228
Hu	A novel focal adhesion-related risk model predicts prognosis of bladder cancer -- a bioinformatic study based on TCGA and GEO database	36357874
JiangW	An immune relevant signature for predicting prognoses and immunotherapeutic responses in patients with muscle-invasive bladder cancer	32096345
Xu	Development and Validation of a Six-Gene Prognostic Signature for Bladder Cancer	34938313
Wang	Prognostic value and potential biological functions of ferroptosis-related gene signature in bladder cancer	35949618
SunSQ	Wnt pathway-related three-mRNA clinical outcome signature in bladder urothelial carcinoma: computational biology and experimental analyses	34579753
Du	Construction of Pyroptosis-Related Prognostic and Immune Infiltration Signature in Bladder Cancer	36569221
Liang	A novel survival model based on a Ferroptosis-related gene signature for predicting overall survival in bladder cancer	34418989
Yao	Identification and Validation of an Annexin-Related Prognostic Signature and Therapeutic Targets for Bladder Cancer: Integrative Analysis	35205125
Shen	Identification of metabolism-associated genes and construction of a prognostic signature in bladder cancer	33292266
WuZY	Identification and prognostic value of a glycolysis-related gene signature in patients with bladder cancer	33545950
ZhangXY	Pyroptosis-Related Gene to Construct Prognostic Signature and Explore Immune Microenvironment and Immunotherapy Biomarkers in Bladder Cancer	35846123

Table S1 (continued)

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signature	Title	PMID
Stroggilos	Gene Expression Monotonicity across Bladder Cancer Stages Informs on the Molecular Pathogenesis and Identifies a Prognostic Eight-Gene Signature	35626146
ZhangM	An Oxidative Stress-Related Genes Signature for Predicting Survival in Bladder Cancer: Based on TCGA Database and Bioinformatics	35300137
Lu	Prognosis Risk Model Based on Pyroptosis-Related lncRNAs for Bladder Cancer	35154513
Gu	Construction and Validation of a 15-Top-prognostic-gene-based Signature to Indicate the Dichotomized Clinical Outcome and Response to Targeted Therapy for Bladder Cancer Patients	35433683
Deng	Preclinical analysis of novel prognostic transcription factors and immune-related gene signatures for bladder cancer via TCGA-based bioinformatic analysis	33747201
SongYX	Identification of an immune-related long non-coding RNA signature and nomogram as prognostic target for muscle-invasive bladder cancer	32579540
Lv	Identification of a prognostic signature based on immune-related genes in bladder cancer	33711453
LiuQ	An Individualized Prognostic Signature for Clinically Predicting the Survival of Patients With Bladder Cancer	35422849
Xie	Development and Validation of Prognostic Model in Transitional Bladder Cancer Based on Inflammatory Response-Associated Genes	34692520
Qu	Prognostic Signature Development on the Basis of Macrophage Phagocytosis-Mediated Oxidative Phosphorylation in Bladder Cancer	36211821
Luo	A novel prognostic model based on cellular senescence-related gene signature for bladder cancer	36505846
GuL	Construction and comprehensive analysis of a novel prognostic signature associated with immunogenic cell death molecular subtypes in patients with bladder cancer	37593621
Tang	A 7-gene signature predicts the prognosis of patients with bladder cancer	35090432
Zhao	Analysis and identification of the necroptosis landscape on therapy and prognosis in bladder cancer	36246597
ZhangJD	A zinc finger protein gene signature enables bladder cancer treatment stratification	33962398
Zhou	A novel cuproptosis-related lncRNAs signature predicts prognostic and immune of bladder urothelial carcinoma	37065485
WangSS	Identification and validation of an individualized autophagy-clinical prognostic index in bladder cancer patients	31190871
Tu	A novel prognostic model based on three integrin subunit genes-related signature for bladder cancer	36267977
ZhouCT	Identification of an 11-Autophagy-Related-Gene Signature as Promising Prognostic Biomarker for Bladder Cancer Patients	33925460
ZhangLH	Identification of an IRGP Signature to Predict Prognosis and Immunotherapeutic Efficiency in Bladder Cancer	33937319
JiangK	Prognostic implications of necroptosis-related long noncoding RNA signatures in muscle-invasive bladder cancer	36531246
Chen	A gene signature of cancer-associated fibroblasts predicts prognosis and treatment response in bladder cancer	37594617
YaoZH	Identification of tumor microenvironment-related signature for predicting prognosis and immunotherapy response in patients with bladder cancer	36147509
Li	Identification of platinum resistance-related gene signature for prognosis and immune analysis in bladder cancer	36777726
ZhangS	Novel Ferroptosis-Related Multigene Prognostic Models for Patients with Bladder Cancer	34849009
LiuZC	Identification of a tumor microenvironment-associated prognostic gene signature in bladder cancer by integrated bioinformatic analysis	34093942
Fu	A novel immune-related gene pair prognostic signature for predicting overall survival in bladder cancer	34266411