

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 |
| Liu JC | 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 |
| Jiang W | 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 |
| Sun SQ | 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 |
| Wu ZY | Identification and prognostic value of a glycolysis-related gene signature in patients with bladder cancer | 33545950 |
| Zhang XY | Pyroptosis-Related Gene to Construct Prognostic Signature and Explore Immune Microenvironment and Immunotherapy Biomarkers in Bladder Cancer | 35846123 |
| Stroggilos | Gene Expression Monotonicity across Bladder Cancer Stages Informs on the Molecular Pathogenesis and Identifies a Prognostic Eight-Gene Signature | 35626146 |
| Zhang M | 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 |
| Song YX | 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 |
| Liu Q | 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 |
| Zhang JD | 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 |
| Wang SS | 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 |
| Zhou CT | Identification of an 11-Autophagy-Related-Gene Signature as Promising Prognostic Biomarker for Bladder Cancer Patients | 33925460 |
| Zhang LH | Identification of an IRGP Signature to Predict Prognosis and Immunotherapeutic Efficiency in Bladder Cancer | 33937319 |
| Jiang K | 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 |
| Yao ZH | 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 |
| Zhang S | Novel Ferroptosis-Related Multigene Prognostic Models for Patients with Bladder Cancer | 34849009 |
| Liu ZC | 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 |

Table S2 The intratumor heterogeneity score of bladder cancer cases

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-ZF-AA56 | 0.439549165 |
| TCGA-FD-A3NA | 0.445521754 |
| TCGA-FD-A5BR | 0.453802387 |
| TCGA-K4-A6FZ | 0.467365733 |
| TCGA-DK-A1AG | 0.468120274 |
| TCGA-GD-A3OP | 0.475114839 |
| TCGA-E7-A97P | 1.034610677 |
| TCGA-4Z-AA7O | 1.043830316 |
| TCGA-BT-A2LB | 1.058008419 |
| TCGA-BT-A20Q | 0.482657902 |
| TCGA-XF-A8HI | 0.485418464 |
| TCGA-CU-A0YO | 0.485716233 |
| TCGA-DK-A1AA | 0.486099857 |
| TCGA-GC-A3OO | 0.486360482 |
| TCGA-XF-A9SM | 0.487542881 |
| TCGA-BT-A20W | 0.492585642 |
| TCGA-DK-AA77 | 0.493055691 |
| TCGA-FD-A43N | 0.493198613 |
| TCGA-BT-A20T | 0.494011379 |
| TCGA-HQ-A5NE | 0.494425417 |
| TCGA-CF-A9FL | 0.494617298 |
| TCGA-XF-AAN1 | 0.49597613 |
| TCGA-E7-A541 | 1.06361525 |
| TCGA-XF-A8HH | 1.073576096 |
| TCGA-LT-A8JT | 1.147802773 |
| TCGA-SY-A9G5 | 1.179582302 |
| TCGA-K4-A3WS | 1.182584364 |
| TCGA-FD-A6TA | 0.50469027 |
| TCGA-CF-A1HR | 0.509515243 |
| TCGA-4Z-AA89 | 0.512751693 |
| TCGA-GV-A6ZA | 0.513328352 |
| TCGA-XF-A9T4 | 0.515342937 |
| TCGA-DK-A3IS | 0.517307599 |
| TCGA-KQ-A41S | 0.519158694 |
| TCGA-DK-A6B0 | 0.520513016 |
| TCGA-ZF-A9R1 | 0.522379647 |
| TCGA-DK-A1A5 | 0.52309334 |
| TCGA-UY-A9PA | 0.5242228 |
| TCGA-DK-A6B2 | 0.524320347 |
| TCGA-K4-A5RI | 0.524878861 |
| TCGA-GU-AATQ | 0.525357011 |
| TCGA-DK-A2I1 | 0.525359987 |
| TCGA-DK-A3IT | 0.525403877 |
| TCGA-XF-A9SV | 0.528228792 |
| TCGA-FD-A5BZ | 0.529458437 |
| TCGA-GD-A2C5 | 0.529520092 |
| TCGA-XF-AAMJ | 0.530863985 |
| TCGA-DK-AA6U | 0.53172895 |
| TCGA-E7-A8O7 | 0.532253799 |
| TCGA-FD-A5BY | 0.53243325 |
| TCGA-K4-A6MB | 0.533002313 |
| TCGA-GC-A3BM | 0.533040816 |
| TCGA-FD-A62O | 0.533078328 |
| TCGA-4Z-AA86 | 0.533115152 |
| TCGA-YC-A89H | 0.533127217 |
| TCGA-GV-A3QK | 0.533396362 |
| TCGA-FD-A3SQ | 0.534562139 |
| TCGA-GC-A3YS | 0.534701348 |
| TCGA-XF-A9SU | 0.53513757 |
| TCGA-ZF-AA51 | 0.535142699 |
| TCGA-FD-A3SM | 0.535984793 |
| TCGA-R3-A69X | 0.536003032 |
| TCGA-UY-A9PB | 0.536169197 |
| TCGA-GC-A3RD | 0.536325217 |
| TCGA-GC-A3I6 | 0.536453814 |
| TCGA-XF-AAN3 | 0.537903153 |

Table S2 (continued)**Table S2** (continued)

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-BT-A20U | 0.539047859 |
| TCGA-FD-A5BV | 0.539818134 |
| TCGA-XF-AAMT | 0.540394664 |
| TCGA-DK-AA71 | 0.540960618 |
| TCGA-K4-A54R | 0.541102474 |
| TCGA-XF-AAN2 | 0.54157978 |
| TCGA-ZF-AA52 | 0.542412286 |
| TCGA-FD-A6TD | 0.542998352 |
| TCGA-FD-A62P | 0.543331548 |
| TCGA-FD-A6TG | 0.543346937 |
| TCGA-ZF-A9R3 | 0.543692564 |
| TCGA-G2-A2EC | 0.543952695 |
| TCGA-DK-A3IL | 0.545380291 |
| TCGA-UY-A9PH | 0.546072825 |
| TCGA-FD-A6TC | 0.546351042 |
| TCGA-DK-A1AF | 0.546671624 |
| TCGA-BT-A42C | 0.546733957 |
| TCGA-XF-A9T3 | 0.546865979 |
| TCGA-FD-A3SP | 0.547262791 |
| TCGA-CF-A47S | 0.548973471 |
| TCGA-XF-AAMZ | 0.551173782 |
| TCGA-XF-A9SP | 0.551664926 |
| TCGA-FD-A5C0 | 0.552822533 |
| TCGA-4Z-AA7S | 0.552970647 |
| TCGA-BT-A3PK | 0.553098885 |
| TCGA-CF-A3MH | 0.554451813 |
| TCGA-CU-A72E | 0.556183311 |
| TCGA-FD-A6TK | 0.556770961 |
| TCGA-DK-AA6M | 0.557348112 |
| TCGA-DK-AA6S | 0.558042151 |
| TCGA-ZF-AA4U | 0.558256695 |
| TCGA-FD-A43X | 0.558810024 |
| TCGA-DK-A6AV | 0.559400505 |
| TCGA-YF-AA3M | 0.560359253 |
| TCGA-FT-A3EE | 0.560791518 |
| TCGA-2F-A9KQ | 0.563528508 |
| TCGA-CF-A9FM | 0.563740489 |
| TCGA-2F-A9KO | 0.564164036 |
| TCGA-DK-A1AD | 0.565796253 |
| TCGA-CF-A9FF | 0.566012891 |
| TCGA-YC-A8S6 | 0.567278008 |
| TCGA-2F-A9KP | 0.567314275 |
| TCGA-GD-A76B | 0.56731677 |
| TCGA-K4-AAQO | 0.568066921 |
| TCGA-E7-A7DU | 0.569027821 |
| TCGA-FD-A3B3 | 0.569130903 |
| TCGA-DK-A2I4 | 0.56961312 |
| TCGA-XF-A9SK | 0.570023286 |
| TCGA-E7-A4IJ | 0.570311849 |
| TCGA-FD-A3SN | 0.570559248 |
| TCGA-CF-A9FH | 0.570570978 |
| TCGA-BL-A13J | 0.570694194 |
| TCGA-UY-A8OC | 0.57080953 |
| TCGA-XF-A8HD | 0.571229861 |
| TCGA-FD-A3B4 | 0.572559659 |
| TCGA-DK-AA6L | 0.573558881 |
| TCGA-XF-A8HE | 0.574643996 |
| TCGA-4Z-AA7Y | 0.574803899 |
| TCGA-CF-A7I0 | 0.576213861 |
| TCGA-FD-A3SL | 0.577455303 |
| TCGA-FD-A62N | 0.578902355 |
| TCGA-XF-A9SH | 0.580243005 |
| TCGA-G2-A2EK | 0.58030303 |
| TCGA-XF-A9T8 | 0.581042672 |
| TCGA-LC-A66R | 0.582359714 |
| TCGA-FD-A5BU | 0.582459568 |
| TCGA-FD-A6TF | 0.584618541 |

Table S2 (continued)

Table S2 (continued)

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-CF-A27C | 0.586040852 |
| TCGA-XF-AAN5 | 0.586225482 |
| TCGA-G2-A2EO | 0.586687264 |
| TCGA-K4-A4AB | 0.586844081 |
| TCGA-C4-A0F6 | 0.58691219 |
| TCGA-4Z-AA83 | 0.588103257 |
| TCGA-XF-A9T0 | 0.589805754 |
| TCGA-CF-A47T | 0.590121488 |
| TCGA-FD-A62S | 0.590153745 |
| TCGA-DK-A2HX | 0.590160036 |
| TCGA-DK-A3IU | 0.590662563 |
| TCGA-GC-A3RB | 0.592270538 |
| TCGA-H4-A2HQ | 0.592484383 |
| TCGA-2F-A9KT | 0.59325024 |
| TCGA-ZF-AA58 | 0.593618542 |
| TCGA-G2-AA3D | 0.59376313 |
| TCGA-G2-AA3F | 0.593889047 |
| TCGA-XF-A9SX | 0.593975561 |
| TCGA-DK-A6B6 | 0.594052634 |
| TCGA-DK-A3IK | 0.594400937 |
| TCGA-E7-A7XN | 0.594744445 |
| TCGA-UY-A78P | 0.59567508 |
| TCGA-BT-A42E | 0.595849833 |
| TCGA-ZF-AA4R | 0.596760016 |
| TCGA-XF-A9SZ | 0.598330191 |
| TCGA-GU-AATP | 0.599068868 |
| TCGA-BT-A20N | 0.599220688 |
| TCGA-GV-A3QG | 0.599388464 |
| TCGA-UY-A9PD | 0.599765962 |
| TCGA-GV-A3JV | 0.599791769 |
| TCGA-ZF-A9RC | 0.600549178 |
| TCGA-FD-A5C1 | 0.600550417 |
| TCGA-XF-AAMW | 0.600737446 |
| TCGA-ZF-AA4X | 0.601180768 |
| TCGA-E7-A6MD | 0.601725092 |
| TCGA-FD-A3B8 | 0.602550904 |
| TCGA-DK-AA6R | 0.602750257 |
| TCGA-SY-A9G0 | 0.604388984 |
| TCGA-GV-A40G | 0.604784069 |
| TCGA-XF-A9SL | 0.604997016 |
| TCGA-FD-A3SJ | 0.605295214 |
| TCGA-ZF-A9R2 | 0.605541558 |
| TCGA-GV-A3QH | 0.605548849 |
| TCGA-XF-AAN0 | 0.605862641 |
| TCGA-ZF-A9R0 | 0.606037004 |
| TCGA-KQ-A41P | 0.606546052 |
| TCGA-ZF-A9RL | 0.606734318 |
| TCGA-K4-A83P | 0.606822227 |
| TCGA-ZF-AA5P | 0.606914846 |
| TCGA-ZF-A9R4 | 0.607097006 |
| TCGA-ZF-A9RE | 0.607463451 |
| TCGA-XF-AAMY | 0.607966019 |
| TCGA-K4-A4AC | 0.608356741 |
| TCGA-UY-A78K | 0.610850893 |
| TCGA-CF-A5U8 | 0.612726323 |
| TCGA-FD-A3SO | 0.613362746 |
| TCGA-GU-A767 | 0.614297092 |
| TCGA-DK-A6B1 | 0.615518466 |
| TCGA-GC-A6I1 | 0.615599625 |
| TCGA-FJ-A3Z9 | 0.616332639 |
| TCGA-4Z-AA82 | 0.617460576 |
| TCGA-E7-A677 | 0.617789828 |
| TCGA-XF-AAME | 0.620111509 |
| TCGA-DK-A3WW | 0.620563206 |
| TCGA-XF-A9SY | 0.621211786 |
| TCGA-XF-AAMR | 0.622024749 |
| TCGA-FD-A6TI | 0.62205942 |

Table S2 (continued)

Table S2 (continued)

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-G2-A3IE | 0.622937184 |
| TCGA-GU-A762 | 0.622951968 |
| TCGA-ZF-AA5H | 0.624243663 |
| TCGA-CF-A47Y | 0.624581143 |
| TCGA-XF-AAML | 0.625583087 |
| TCGA-DK-A3IQ | 0.625879731 |
| TCGA-E7-A8O8 | 0.626574693 |
| TCGA-DK-A3X1 | 0.627545868 |
| TCGA-XF-A9SJ | 0.628132804 |
| TCGA-UY-A78L | 0.62974456 |
| TCGA-GU-A764 | 0.62991301 |
| TCGA-DK-AA6Q | 0.63011932 |
| TCGA-CF-A3MI | 0.631065347 |
| TCGA-CF-A3MG | 0.631409888 |
| TCGA-DK-A3IV | 0.632411295 |
| TCGA-E7-A5KE | 0.633379033 |
| TCGA-2F-A9KR | 0.634495691 |
| TCGA-FD-A43Y | 0.634632754 |
| TCGA-GC-A3RC | 0.635346461 |
| TCGA-HQ-A5ND | 0.636285421 |
| TCGA-E5-A2PC | 0.637607957 |
| TCGA-ZF-A9RD | 0.637837332 |
| TCGA-FD-A3B7 | 0.638704181 |
| TCGA-UY-A78M | 0.639111714 |
| TCGA-ZF-A9R5 | 0.639331838 |
| TCGA-BT-A3PH | 0.640264904 |
| TCGA-E7-A678 | 0.640689215 |
| TCGA-CU-A0YN | 0.641292986 |
| TCGA-FD-A6TB | 0.641800079 |
| TCGA-4Z-AA7N | 0.641871847 |
| TCGA-ZF-AA4V | 0.641900657 |
| TCGA-E7-A4XJ | 0.642172644 |
| TCGA-4Z-AA7M | 0.642224906 |
| TCGA-DK-A3IN | 0.642928528 |
| TCGA-XF-A8HF | 0.643039411 |
| TCGA-BT-A3PJ | 0.643726453 |
| TCGA-BT-A0YX | 0.643816962 |
| TCGA-E7-A5KF | 0.644766211 |
| TCGA-CU-A0YR | 0.644776184 |
| TCGA-FD-A43P | 0.645865793 |
| TCGA-DK-A2I2 | 0.645903892 |
| TCGA-CF-A47V | 0.646906145 |
| TCGA-CF-A47W | 0.647045064 |
| TCGA-GU-A42R | 0.648900767 |
| TCGA-CF-A47X | 0.649406263 |
| TCGA-DK-A1AE | 0.649459971 |
| TCGA-XF-A9T5 | 0.64967827 |
| TCGA-FD-A3SS | 0.649734291 |
| TCGA-G2-A2ES | 0.650250233 |
| TCGA-FD-A6TE | 0.650752444 |
| TCGA-CF-A1HS | 0.652763275 |
| TCGA-CU-A5W6 | 0.653187116 |
| TCGA-FD-A3B6 | 0.654315689 |
| TCGA-DK-A1A3 | 0.654669022 |
| TCGA-PQ-A6FI | 0.65503786 |
| TCGA-BT-A20P | 0.6552852 |
| TCGA-DK-A1A6 | 0.655419573 |
| TCGA-DK-AA6X | 0.656119804 |
| TCGA-DK-A3WX | 0.656172873 |
| TCGA-BT-A20X | 0.657308923 |
| TCGA-UY-A8OD | 0.657747471 |
| TCGA-FD-A43S | 0.660024721 |
| TCGA-S5-AA26 | 0.661777024 |
| TCGA-CU-A3YL | 0.661991531 |
| TCGA-DK-AA6P | 0.662405966 |
| TCGA-BT-A42F | 0.664756586 |
| TCGA-E7-A97Q | 0.666249131 |

Table S2 (continued)

Table S2 (continued)

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-5N-A9KM | 0.667100929 |
| TCGA-GU-A766 | 0.667224796 |
| TCGA-4Z-AA81 | 0.667555597 |
| TCGA-FD-A3N5 | 0.668209333 |
| TCGA-BT-A20R | 0.669736754 |
| TCGA-ZF-A9R9 | 0.669990561 |
| TCGA-XF-AAN4 | 0.670163333 |
| TCGA-MV-A51V | 0.671248146 |
| TCGA-ZF-AA4T | 0.672796709 |
| TCGA-FD-A3B5 | 0.672873279 |
| TCGA-DK-AA76 | 0.674813072 |
| TCGA-DK-A1AB | 0.675126458 |
| TCGA-DK-A6B5 | 0.675514885 |
| TCGA-FD-A3SR | 0.677817985 |
| TCGA-XF-A8HB | 0.678545076 |
| TCGA-4Z-AA7Q | 0.679143267 |
| TCGA-E7-A85H | 0.679607574 |
| TCGA-GU-AATO | 0.680566102 |
| TCGA-XF-A9T6 | 0.683896401 |
| TCGA-DK-A2I6 | 0.684761499 |
| TCGA-K4-A3WU | 0.684875361 |
| TCGA-FD-A43U | 0.685168642 |
| TCGA-DK-A3IM | 0.686273641 |
| TCGA-ZF-AA53 | 0.687055296 |
| TCGA-G2-AA3B | 0.687088559 |
| TCGA-LT-A5Z6 | 0.687229468 |
| TCGA-PQ-A6FN | 0.688751674 |
| TCGA-4Z-AA80 | 0.689846023 |
| TCGA-GU-A763 | 0.690014865 |
| TCGA-GV-A3JZ | 0.690034801 |
| TCGA-GC-A3WC | 0.690401171 |
| TCGA-GV-A3QF | 0.690886668 |
| TCGA-4Z-AA7R | 0.690888365 |
| TCGA-DK-A6AW | 0.691778932 |
| TCGA-FD-A6TH | 0.692658806 |
| TCGA-G2-A2EF | 0.69383859 |
| TCGA-ZF-A9RM | 0.696398946 |
| TCGA-GU-A42P | 0.697469498 |
| TCGA-BT-A20O | 0.697575646 |
| TCGA-XF-A9SW | 0.697699834 |
| TCGA-UY-A78N | 0.698404327 |
| TCGA-KQ-A41Q | 0.699558901 |
| TCGA-UY-A9PE | 0.700439394 |
| TCGA-YF-AA3L | 0.701476934 |
| TCGA-ZF-A9R7 | 0.707888724 |
| TCGA-UY-A78O | 0.708427607 |
| TCGA-DK-A1A7 | 0.708500195 |
| TCGA-CU-A3QU | 0.709910036 |
| TCGA-BT-A0S7 | 0.712288821 |
| TCGA-ZF-AA4N | 0.712567263 |
| TCGA-XF-A9SI | 0.716048817 |
| TCGA-CU-A3KJ | 0.717449483 |
| TCGA-GV-A3JW | 0.717489711 |
| TCGA-UY-A8OB | 0.718452101 |
| TCGA-ZF-AA4W | 0.722544944 |
| TCGA-GU-A42Q | 0.72408223 |
| TCGA-5N-A9KI | 0.724873253 |
| TCGA-GV-A3JX | 0.725338136 |
| TCGA-FJ-A3ZF | 0.725613373 |
| TCGA-G2-A3VY | 0.725913187 |
| TCGA-BL-A0C8 | 0.726250348 |
| TCGA-FJ-A3ZE | 0.728709022 |
| TCGA-ZF-A9RF | 0.730759819 |
| TCGA-ZF-AA5N | 0.731914998 |
| TCGA-ZF-AA54 | 0.734319138 |
| TCGA-H4-A2HO | 0.734566792 |
| TCGA-GC-A4ZW | 0.734794917 |

Table S2 (continued)

Table S2 (continued)

| Sample | DEPTH2 score |
|--------------|--------------|
| TCGA-HQ-A2OE | 0.735133528 |
| TCGA-CF-A8HY | 0.736437725 |
| TCGA-BT-A20V | 0.736966438 |
| TCGA-E5-A4TZ | 0.736985352 |
| TCGA-4Z-AA84 | 0.741582528 |
| TCGA-G2-A2EJ | 0.742580578 |
| TCGA-XF-A8HC | 0.743223568 |
| TCGA-E7-A7DV | 0.74359565 |
| TCGA-4Z-AA87 | 0.744065665 |
| TCGA-DK-AA75 | 0.748957593 |
| TCGA-CF-A5UA | 0.749989909 |
| TCGA-C4-A0F7 | 0.751698335 |
| TCGA-XF-A8HG | 0.752181976 |
| TCGA-E7-A6MF | 0.759288693 |
| TCGA-G2-A3IB | 0.759820292 |
| TCGA-BT-A2LD | 0.760712518 |
| TCGA-XF-AAMX | 0.761383313 |
| TCGA-DK-A3WY | 0.761974214 |
| TCGA-4Z-AA7W | 0.764298734 |
| TCGA-DK-A1AC | 0.76579567 |
| TCGA-CF-A8HX | 0.76742465 |
| TCGA-FJ-A3Z7 | 0.768015807 |
| TCGA-2F-A9KW | 0.771447938 |
| TCGA-BL-A13I | 0.776656032 |
| TCGA-FD-A5BX | 0.785405977 |
| TCGA-FD-A3N6 | 0.79554846 |
| TCGA-FD-A5BS | 0.796130641 |
| TCGA-C4-A0F1 | 0.801523077 |
| TCGA-FJ-A871 | 0.815036316 |
| TCGA-BT-A20J | 0.815801379 |
| TCGA-GC-A6I3 | 0.820902438 |
| TCGA-K4-A3WV | 0.823145226 |
| TCGA-K4-A5RJ | 0.833092703 |
| TCGA-G2-AA3C | 0.837057165 |
| TCGA-XF-AAN8 | 0.837176215 |
| TCGA-ZF-A9RN | 0.842522654 |
| TCGA-XF-AAMG | 0.845068541 |
| TCGA-GV-A3QI | 0.852333948 |
| TCGA-BL-A3JM | 0.860140749 |
| TCGA-KQ-A41N | 0.862758615 |
| TCGA-E7-A6ME | 0.864596219 |
| TCGA-C4-A0F0 | 0.88104759 |
| TCGA-FD-A5BT | 0.881102134 |
| TCGA-XF-AAN7 | 0.882422185 |
| TCGA-GD-A3OS | 0.887149613 |
| TCGA-YC-A9TC | 0.892091267 |
| TCGA-XF-A9ST | 0.921243312 |
| TCGA-DK-AA6W | 0.923028617 |
| TCGA-XF-AAMH | 0.939338508 |
| TCGA-KQ-A41O | 0.94887531 |
| TCGA-CF-A3MF | 0.956442688 |
| TCGA-HQ-A2OF | 0.969733577 |
| TCGA-S5-A6DX | 0.48133146 |
| TCGA-E7-A519 | 0.48167597 |
| TCGA-E5-A4U1 | 0.482164479 |
| TCGA-BL-A5ZZ | 0.49923061 |
| TCGA-XF-A9T2 | 0.500054601 |
| TCGA-G2-A2EL | 0.501914878 |
| TCGA-C4-A0EZ | 0.502733999 |
| TCGA-GD-A6C6 | 0.504445079 |
| TCGA-BT-A2LA | 1.360029125 |
| TCGA-E7-A7PW | 1.631036507 |