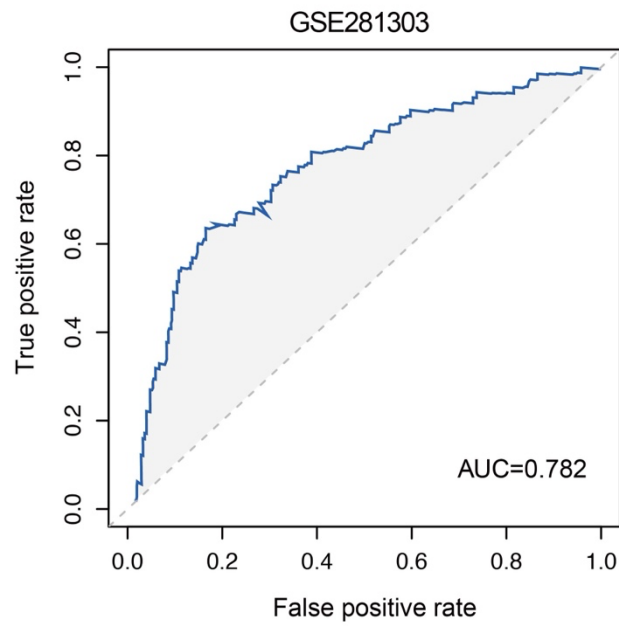
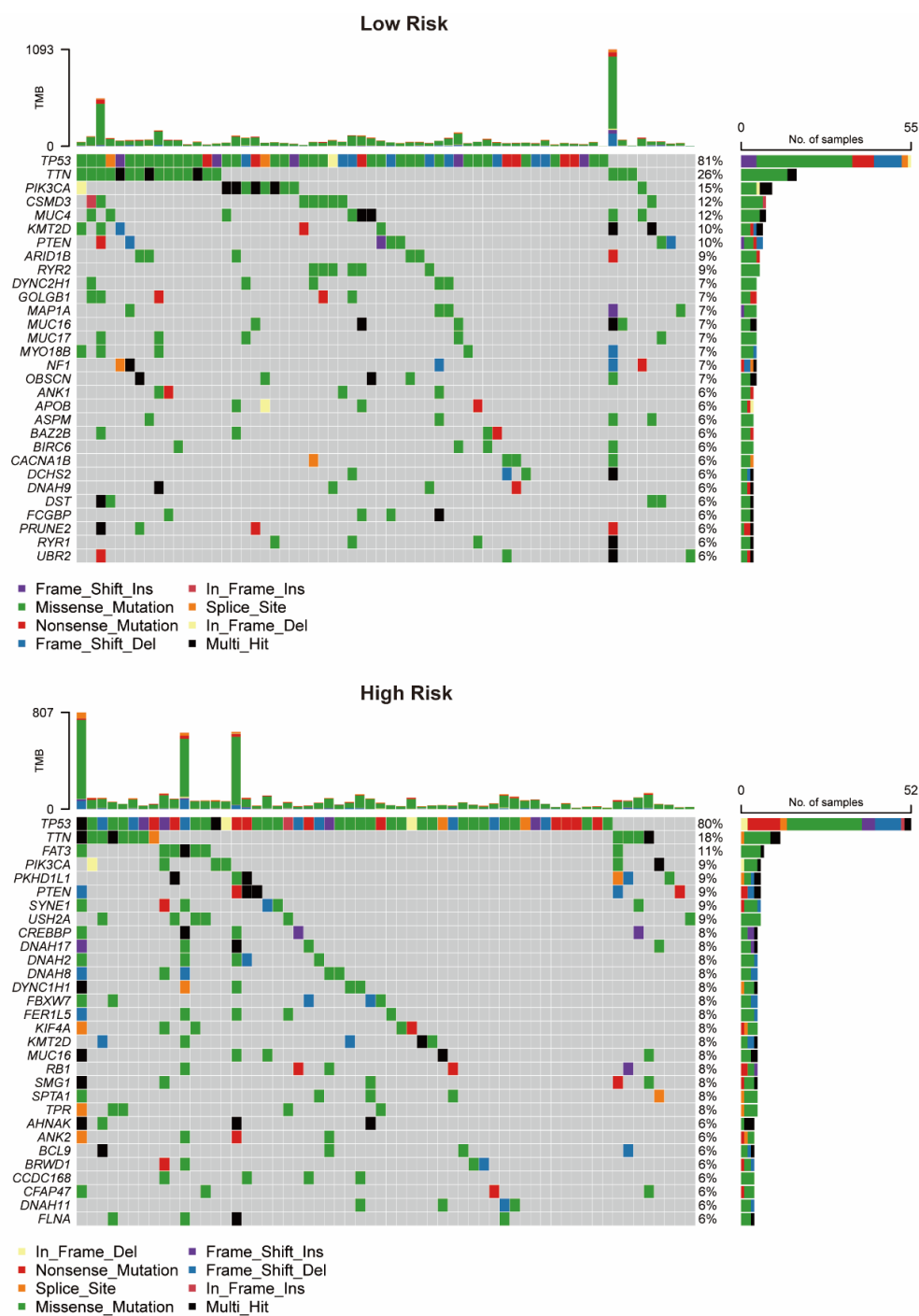


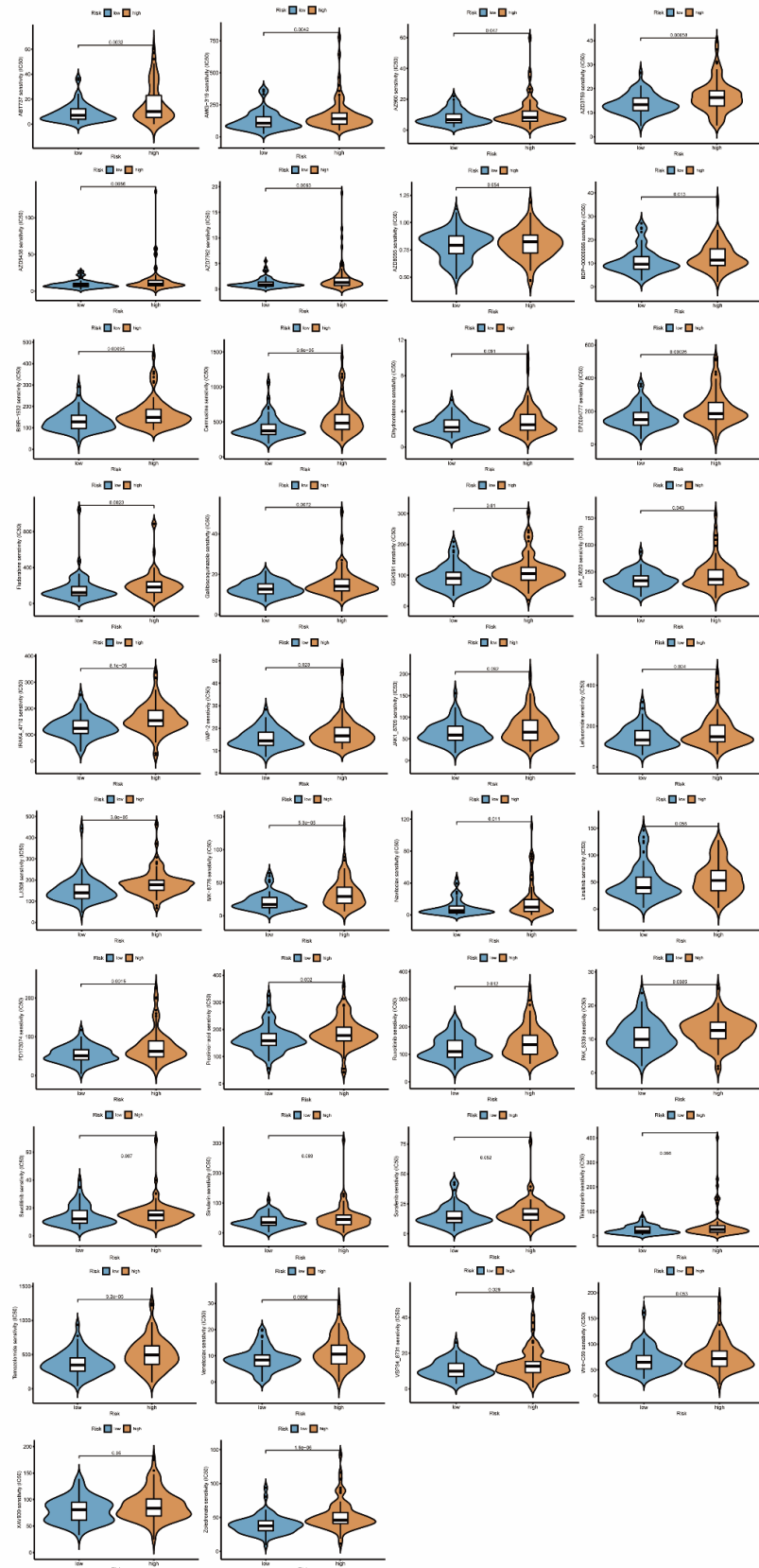
Supplementary Figures



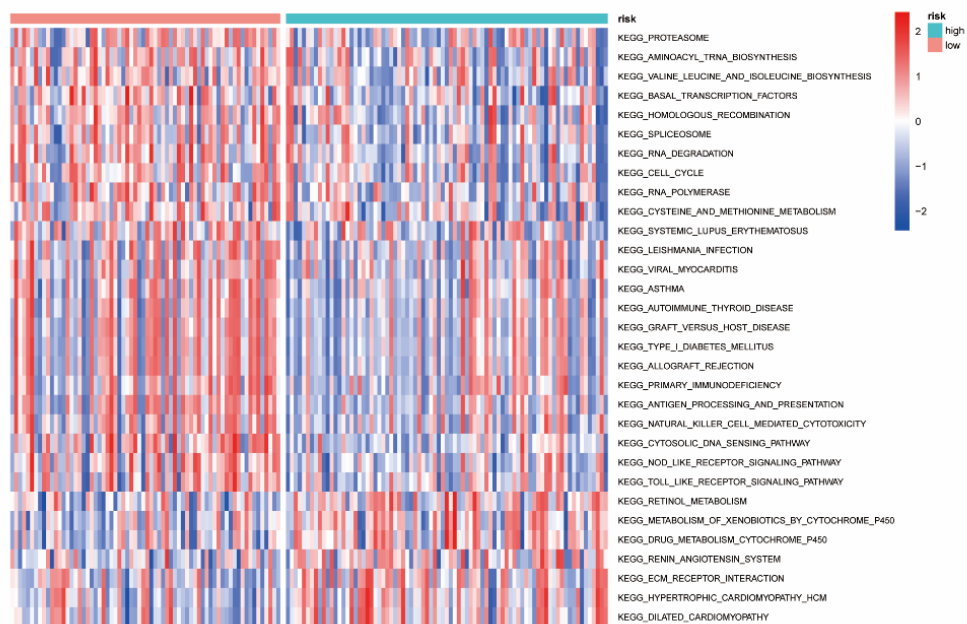
Supplementary Figure 1. The receiver operating characteristic curve for evaluating the stability of the prediction model in GSE281303 external cohort.



Supplementary Figure 2. The waterfall plot shows gene mutations in low-risk and high-risk patients ranked in order of frequency.



Supplementary Figure 3. The relationship between the risk score and the efficacy of commonly administered tumor therapeutic drugs (the other 38 drugs).



Supplementary Figure 4. Gene set variation analysis (GSVA) between the high- and low-risk subgroups.

Supplementary Tables

Supplementary Table 1. Primers for 13 lncRNAs involved in the model and U6 as an endogenous reference.

Genes	FORWARD	REVERSE
AC002401.4	TCCTGTCTGTGTTCCCTGTTCCC	CCCGCCACTTTGATGCTTTCTTTG
AC007292.1	CCGTGGAGTTGGAGGTCATTGTG	AAGTGCTGGGATTAAAGGCGTGAG
AC026369.2	GAAAACCAGGAGAGCATGGAGCT	TTTTTTCGCGTTCATTATCTCAT
AC091182.2	AAAGACAAGGCGAGGACAAGAAGAG	TTCGCTACCCACCAAACCCATTTC
AC091435.2	CTGGCTGCTGCTTTGCTATTTGTG	GTCCTGGTGATCCTTATGCGTGATG
AC112715.1	AGCGGGAAGACCTGAACCTTGG	GTGGAATGGCAGGAAGAGCAGAG
FAM30A	TACCTCTCAGCCTCCAGCGTTG	CTCTTGCTCTTGCTCACTCACACTC
LINC01023	GAACAGACACTCACGGACACATGG	TCCAGGGCTCAGCTCACAGAAG
LINC01605	CAACTCATTCCCGTTACAAACA	CATCTCAACTGCCTCTGTCTCC
LINC02345	TGGTCTTGCTTGGCTTTCTGGATG	TTAATGCCTGGCGGCTGTAGC
LINC02562	TCTCTGGGTGGAATGTCAC	TTACTGGGCACTTGTCTCT
NALT1	GTCATCCAGTAGGCTCAAG	ATAAGTGGAGAAAGGCAGAT
SMIM25	AGCACAGAGAAGTTCAGTGATGGAC	AGGCAGTGTAGCATAGTGGGTAGG
GAPDH	CAAATTCCATGGCACCGTCA	GACTCCACGACGTACTCAGC

Supplementary Table 2. Twenty-five lncRNA pairs with prognostic significance were identified by univariate Cox analysis. HR, Hazard Ratio.

LncRNA pairs	HR	HR.95L	HR.95H	P.value
AC091182.2 LINC02345	5.064138129	1.735017	14.78112	0.002996
LINC00924 CHRM3-AS2	4.749769442	1.780373	12.67168	0.001858
LINC01605 LINC02528	4.635450001	1.728771	12.42929	0.002306
LINC01605 LINC01914	4.444390801	1.646676	11.99544	0.003235
LINC02568 LINC02446	4.268813567	1.943966	9.374018	0.000299
AC091182.2 MIR223HG	4.025997943	1.780728	9.102267	0.000819
LINC02562 AL512306.2	3.99948367	1.771158	9.031307	0.000852
LINC00924 LINC02528	3.925490551	1.731067	8.901722	0.001062
LINC02568 AL356215.1	3.686212849	1.670708	8.13318	0.001233
LINC01605 AC007292.1	3.636399438	1.650008	8.014141	0.001365
LINC02568 AC004921.1	3.315824215	1.512068	7.271292	0.002771
LINC02562 AC007292.1	3.294242973	1.463281	7.416235	0.003984
LINC02562 AC026369.2	3.294242973	1.463281	7.416235	0.003984
NALT1 LINC02446	3.272629991	1.444307	7.415396	0.004499
LINC00924 FAM30A	3.263601046	1.472744	7.232142	0.003574
NALT1 AC007292.1	3.245370971	1.471902	7.15566	0.003521
LINC00924 LINC02771	3.199159934	1.458776	7.015897	0.003703
AC002401.4 AC091435.2	3.186179679	1.439818	7.050713	0.004244
LINC02568 LINC00926	3.108980442	1.409174	6.859166	0.004961
SMIM25 LINC01023	0.302628583	0.133639	0.685308	0.004156
AL662844.4 LINC02562	0.295373521	0.130061	0.670806	0.003568
AL512353.1 LINC02562	0.276743126	0.122106	0.627217	0.002088
LINC02528 AC096921.2	0.189003161	0.064695	0.552162	0.002321
FAM30A AC112715.1	0.182929573	0.062609	0.534478	0.001902
LINC02528 AC112715.1	0.112634529	0.038358	0.330743	7.09E-05

Supplementary Table 3. Seven lncRNA pairs were used to establish the risk assessment model. HR, Hazard Ratio.

LncRNA Pairs	Coef	HR	HR.95L	HR.95H	P.value
AC002401.4 AC091435.2	0.874926	2.398697	1.037407	5.546275	0.040772
AC091182.2 LINC02345	1.373479	3.949065	1.314962	11.85975	0.014366
FAM30A AC112715.1	-1.83276	0.159971	0.051696	0.495019	0.001473
LINC01605 AC007292.1	1.883262	6.574917	2.281041	18.95167	0.000489
LINC02562 AC026369.2	1.208039	3.346915	1.402983	7.9843	0.006464
NALT1 AC007292.1	1.260132	3.525889	1.479607	8.402155	0.004452
SMIM25 LINC01023	-1.84595	0.157875	0.050915	0.489535	0.001388