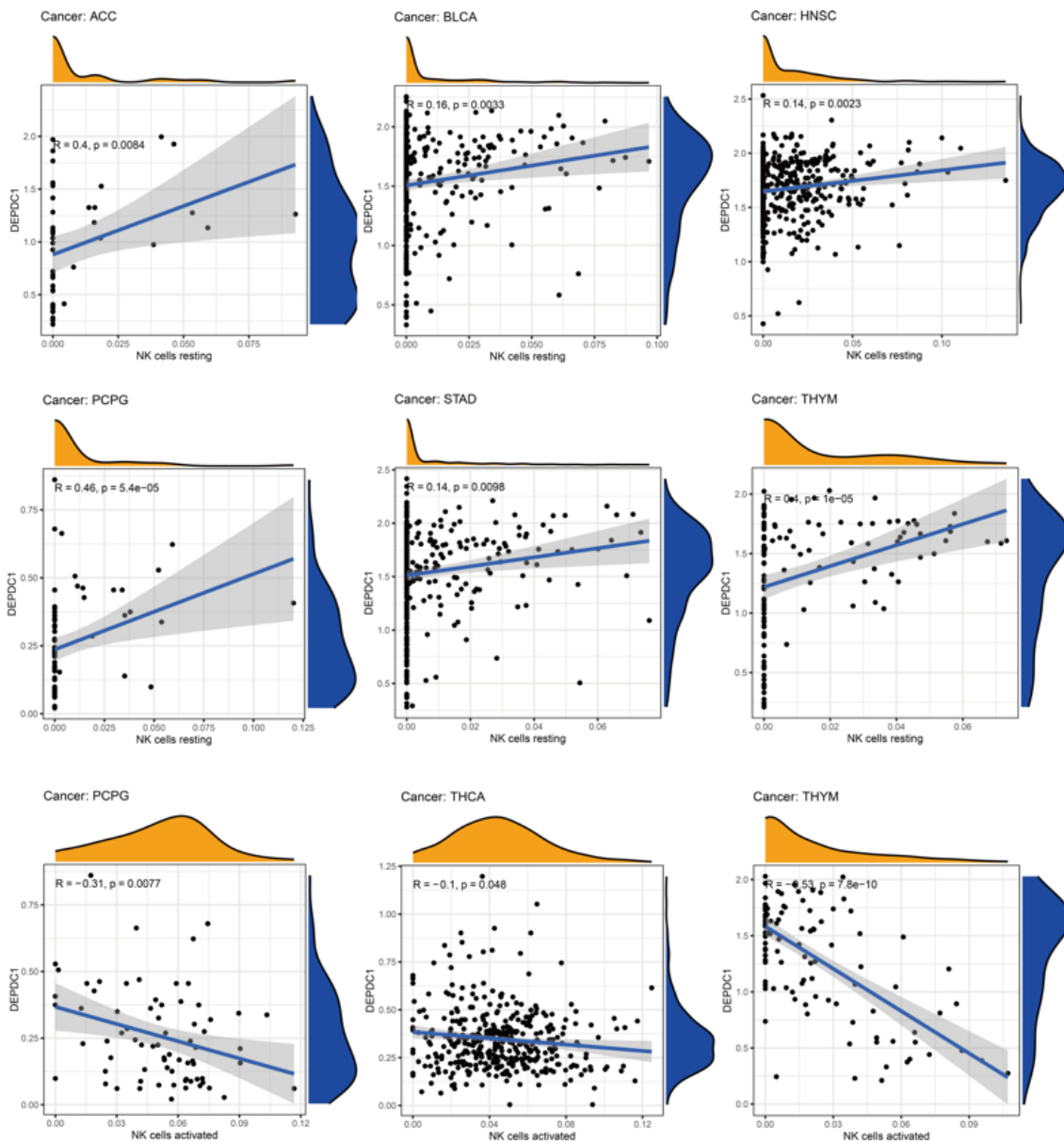


**Figure S1** Kaplan-Meier survival curve of *DEPDC1* in the remaining 8 cancer types in the high and low gene expression groups. Low expression of *DEPDC1* is associated with better prognosis of KIRC (B), LGG (C), LIHC (D), LUAD (E), PAAD (F), PCPG (G), and UVM (H), while high expression of *DEPDC1* relates to better prognosis of COAD (A). COAD, colon adenocarcinoma; KIRC, kidney renal clear cell carcinoma; LGG, lower grade glioma; LIHC, liver hepatocellular carcinoma; LUAD, lung adenocarcinoma; PAAD, pancreatic adenocarcinoma; PCPG, pheochromocytoma and paraganglioma; UVM, uveal melanoma.



**Figure S2** *DEPDC1* expression was positively correlated with resting NK cells in ACC, BLCA, HNSC, PCPG, STAD, and THYM. Interestingly, *DEPDC1* expression was negatively correlated with activated NK cells in PCPG, THCA and THYM. NK, natural killer; ACC, adrenocortical carcinoma; BLCA, bladder urothelial carcinoma; HNSC, head and neck squamous cell carcinoma; PCPG, pheochromocytoma and paraganglioma; STAD, stomach adenocarcinoma; THYM, thymoma; THCA, thyroid carcinoma.

**Table S1** Multivariate Cox analysis of natural killer cell-related genes in pan-cancer

ID	Coefficient
CYB5A	0.209203287
HERC1	-0.396818077
DNAJB6	-0.340244609
EFEMP1	0.209407629
UGP2	-0.359692172
SRXN1	0.253445713
MICAL3	-0.233035428
DAZAP2	0.353593961
CFAP69	-0.296107818
CRY2	-0.208398857
ARHGAP24	0.10500651
RNF31	0.262679557
AKAP12	0.23523783
DMGDH	-0.183691249
SHC2	0.087176503
PLIN2	0.101709133
LRRC27	-0.283934214
UACA	-0.346231223
MZF1	0.398820091
CCAR2	-0.754938219
C1QTNF1	0.122918785
SOX10	-34.81540786
KANK3	-0.259718166
ANXA6	-0.37529682
ME3	0.139756866
HFM1	-0.243793369
PITPNM2	0.135243256
CMYA5	0.109237695
SPTBN1	0.373898319
WDR20	-0.347167709
VEGFA	0.201191226
THBS3	0.558634422
TREM2	0.144696276
MET	0.165459283

**Table S1** (continued)**Table S1** (continued)

ID	Coefficient
SPINT1	-0.100316545
POLE3	-0.631989365
ASPM	0.438343033
MRPL15	0.423614623
E2F8	0.18179801
DEPDC1	0.232650878
BRIP1	-0.337048763
TAP1	-0.233396806
B4GALT5	0.505479247
TMEM81	0.240815354
PYGO2	-0.484521811
PRR15L	-0.151076764
MSANTD3	0.499313395
SLC35C1	0.481824306
STK4	0.334719638
IKZF3	-0.220809824
RELB	-0.171546659
SLC35B3	-0.358382922
POLR1B	-0.457944621
NRBF2	0.362408212
PFKFB4	-0.128519561
PDP1	-0.365689352
OXTR	0.087985839
ZIC2	0.107961896
ITPKC	0.193191373
HSPA4	0.365339059
BCAN	0.179748154
RAC1	0.881184261
SCAMP5	-0.106155254