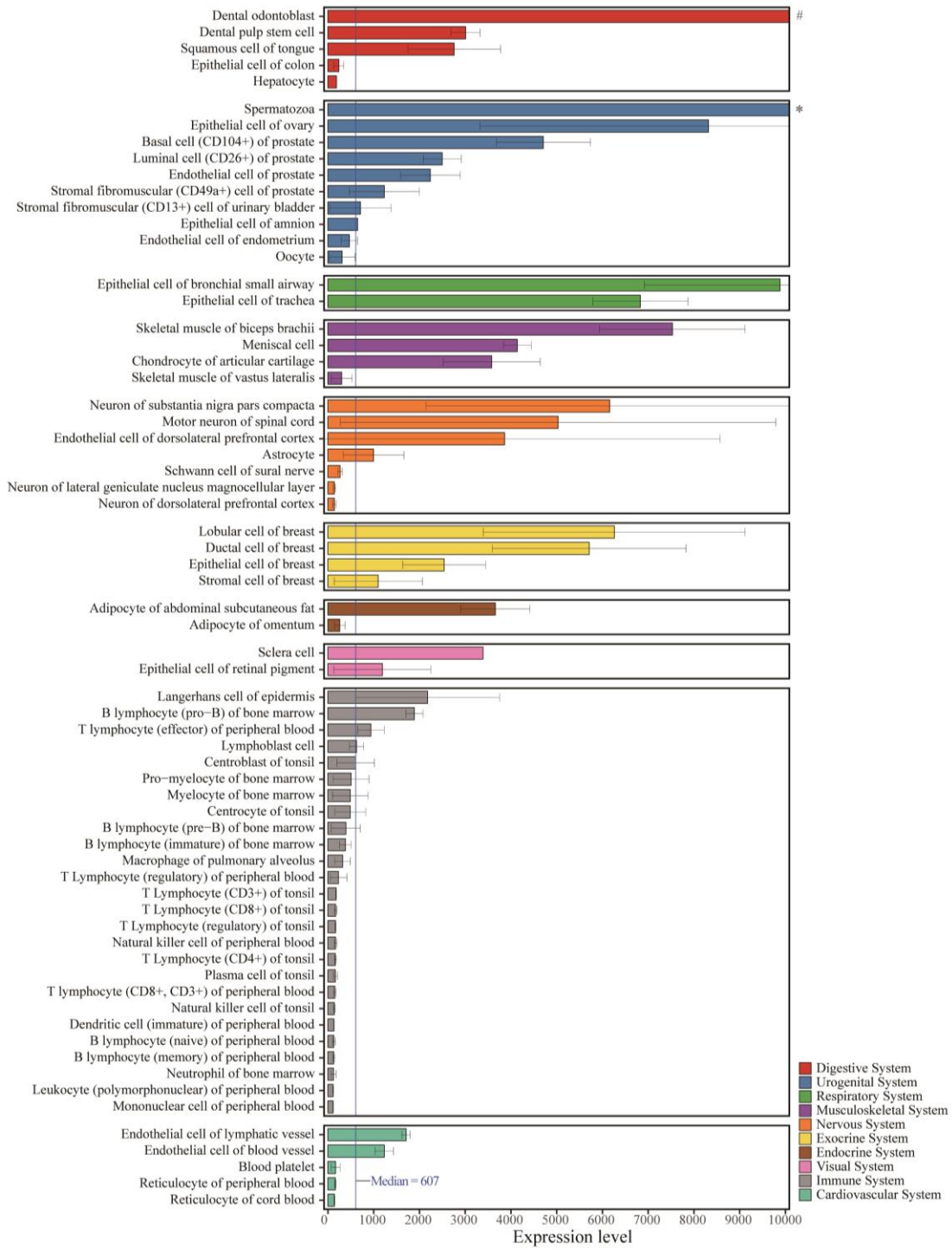

Fig. S1 The cell-specific expression patterns of CRNDE in normal cell types. The expression data of CRNDE in 67 types of normal human cell are from the Body Atlas database. The unassayed cell types have been omitted. The median expression level in

total cell types is shown with the blue line. # stands for the expression value of 77300 in dental odontoblast and * stands for 64200 in spermatozoa. The data are shown as means ± standard deviation.

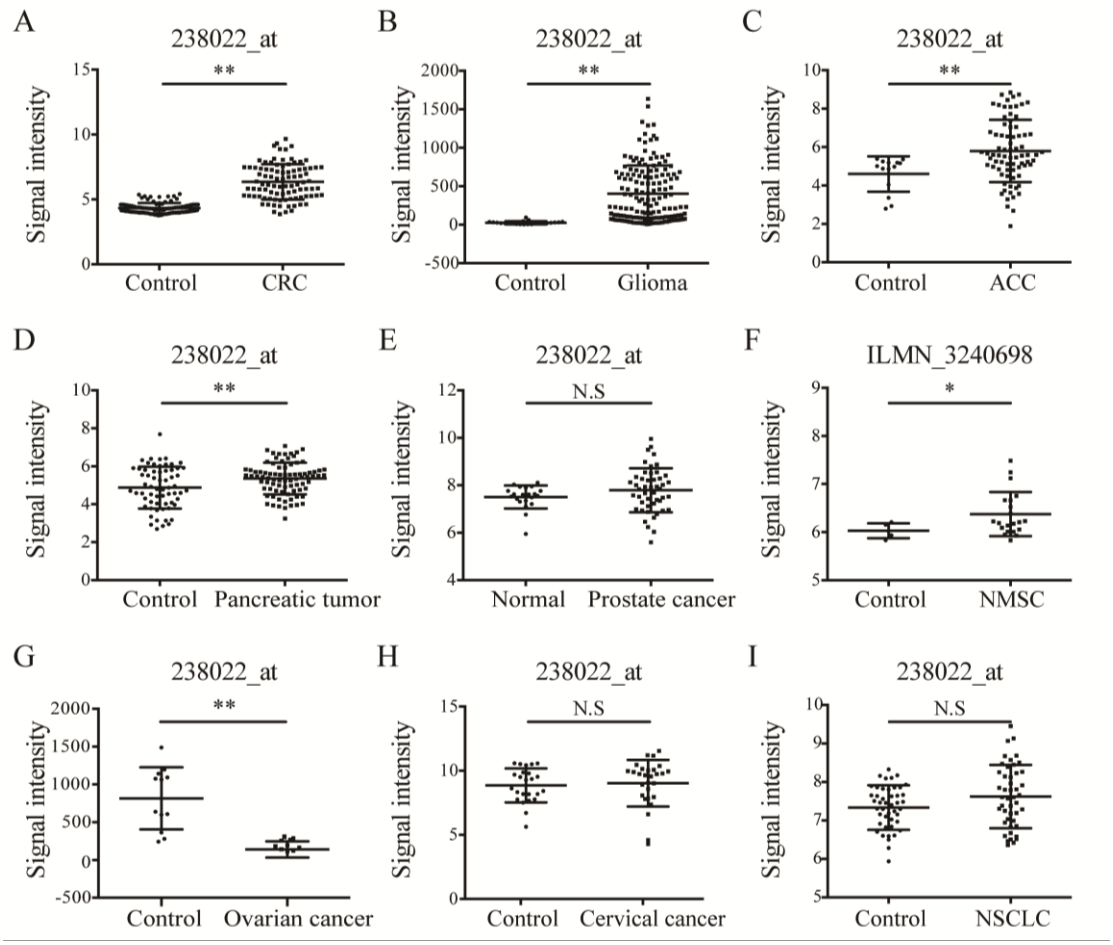

Fig. S2 The expression patterns of CRNDE in solid tumors. Scatter plots show the signal intensities of CRNDE detected by 238022_at probe in eight types of solid tumors, containg CRC (A), glioma (B), ACC (C), pancreatic tumor (D), prostate cancer (E), ovarian cancer (G), cervical cancer (H), and NSCLC (I). The signal intensity of CRNDE in NMSC was detected by ILMN_3240698 probe (F). Detailed sample information is shown in Table 1. Student's t-test was performed to analyze significant differences (* $P < 0.05$, ** $P < 0.01$).

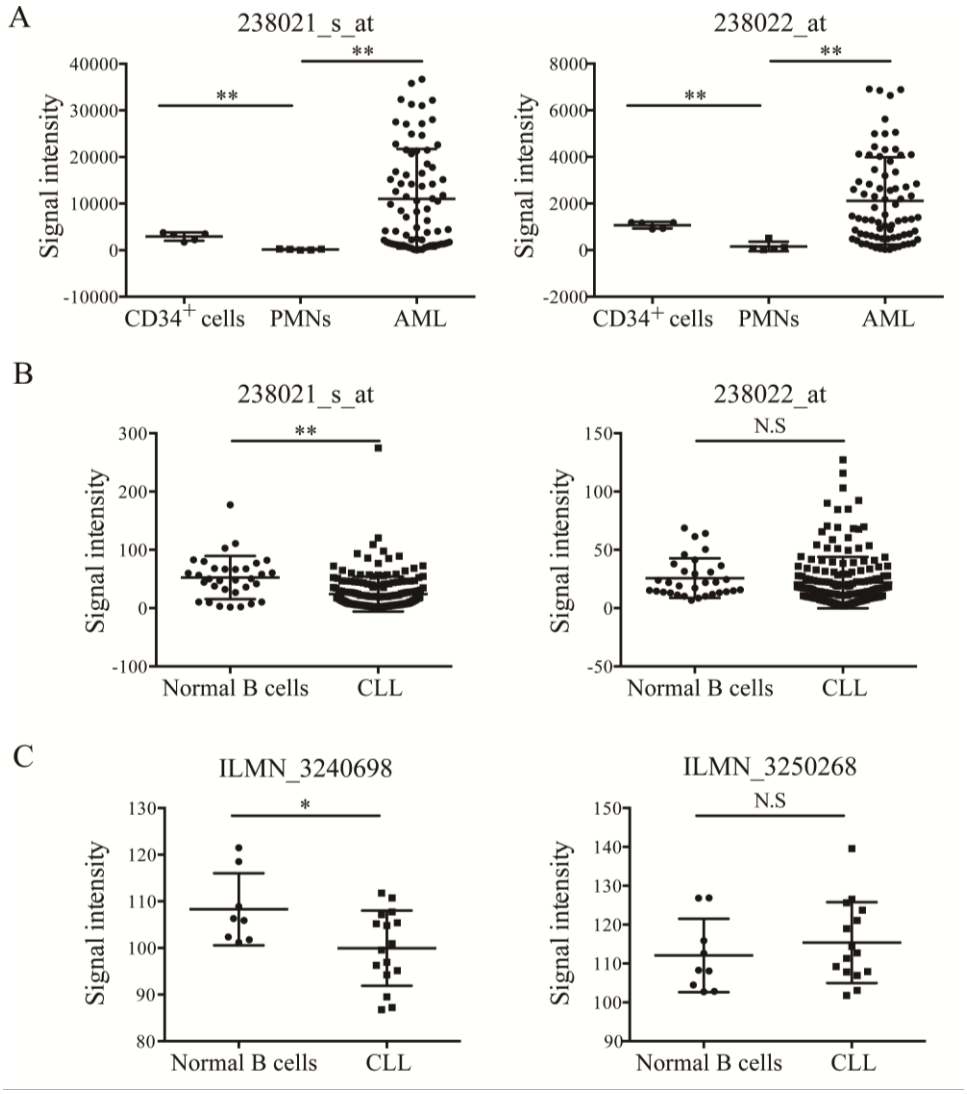

Fig. S3 Differential expression patterns of CRNDE spliced transcripts in AML and CLL. (A) The expression level of CRNDE in polymorphonuclear neutrophils (PMNs) was significantly lower than that in AML patient samples and CD34 positive cells. The expression data were retrieved from GSE12662. (B and C) Four probes from two datasets (GSE50006 and GSE67642) were used to analyze the expression of CRNDE transcripts in CLL. The expression of CRNDE transcripts were downregulated by the

detection of 238021_s_at and ILMN_3240698 probes, but had no difference between CLL and normal B cells by 238022_at and ILMN_3250268 probes detection. Unpaired t-test was performed to analyze significant differences (* $P < 0.05$, ** $P < 0.01$).

Table S1 Primer pairs for qRT-PCR

CRNDE-a	forward	GAGAGGTGTTAAGTGTGATG
	reverse	GGATCGACTCCACATACAAGC
CRNDE-b	forward	TGGATGCTGTCAGCTAAGTTCAC
	reverse	TTCCAGTGGCATCCTCCTTATC
CRNDE-c	forward	AGTGGGAATATCAGTTCCAGT
	reverse	GCACTCACAATGAGTCATCTG
CRNDE-d	forward	AGGGATTGATGGTGACAATGATC
	reverse	AGATTGAAACACATCACAGGAAATTT
CRNDE-e	forward	TCATGTGAACCTAACTCATTTTATGGT
	reverse	ACCAACGGCTGAATATTTTTCATT
CRNDE-f	forward	CAAGGCTGGTCTGCAAAGTCT
	reverse	GATTCAGGATTACAGAGGAAAGTATTCTT
CRNDE-g	forward	GCGGAGGAGAGGTGTTAAGTGT
	reverse	AACAGGTTTTACCTCCTTATCTTCAGAA
CRNDE-h	forward	GTAGAGCCCTTGGAGGTGTTA
	reverse	AACAGGTTTTACCTCCTTATC
CRNDE-i	forward	TGGATGCTGTCAGCTAAGTTCAC
	reverse	ACAAGAGAACTCCTTATCTTC
CRNDE-j	forward	CCTGTTTTTCTTTTTAAGAGTCTGCAA
	reverse	GCACTCACAATGAGTCATCTGAATT
CRNDE-k	forward	GTGACAGAGTACACACAGGTA
	reverse	AAATTCAGTTCCTTGCTCTGAC
CRNDE-l	forward	TATAATAAGAGGTGTTAAGTGTG
	reverse	GCCAACATTTGGAGGAACCCC
GAPDH	forward	GAAGGTGAAGGTCGGAGTC
	reverse	GAAGATGGTGATGGGATTTC