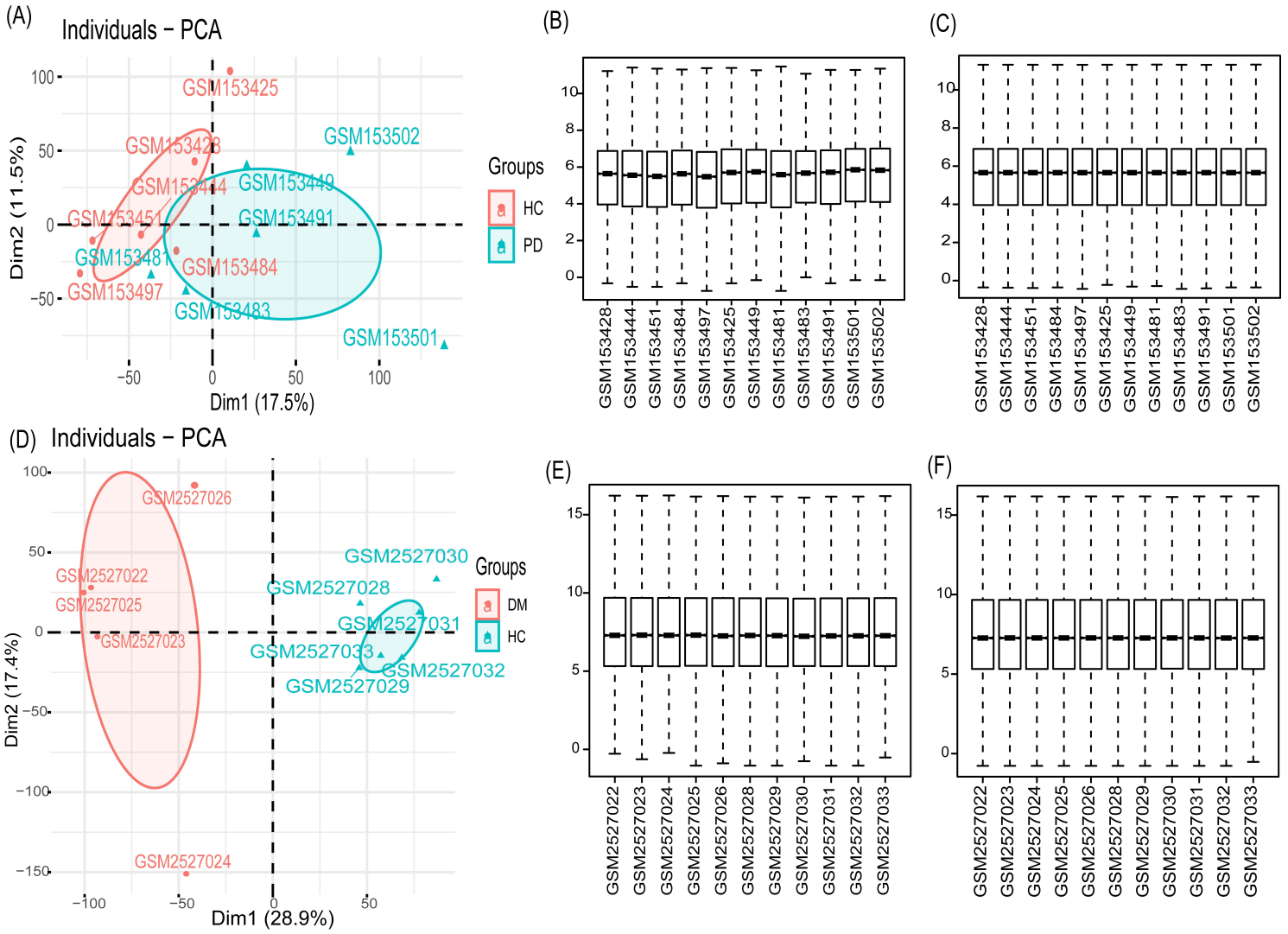


Supplementary Figure 2



Supplementary Tables

Supplementary Table 1. The score of 15 hub nodes in the PPI network

Genes	Betweenness	Closeness	Degree
PLK1	541.7583	13	31.08333
TBL1X	409.64957	9	27.91667
ATRX	386.27446	11	28.58333
SP1	364.5728	12	28.91667
SUB1	347.06479	9	28.25
ARL3	305.37381	7	25.75
RAD51	265.42027	11	29.16667
ATP6V1A	257.97857	6	24.16667
H2AFV	238.23874	9	28
ABHD2	213.33333	4	20.68333
TIMP3	143.51299	4	22.95
ATP7A	136.6597	7	26.33333
IL1RN	132.8913	5	20.38333
CRY1	91.03911	6	24.91667
IL6R	0	2	17.33333

Supplementary Table 2. The predicted TFs of hub nodes in the PPI network

Track id	NES	Transcription factor	Target genes
wgEncodeHaibTfbsHct 116Sp1V0422111PkRe p1.broadPeak.gz	5.28449	SP1	SP1,H2AFV,ABHD2,TBL1X
GSM1208719_batch2_ chrom1_LoVo_CLOCK _PassedQC_peaks_hg 19	5.07536	CLOCK	SP1,ABHD2,CRY1,H2AFV
GSM1208691_batch1_ chrom1_LoVo_TFDP1_ PassedQC_peaks_hg1 9	4.88838	TFDP1	H2AFV,AD51,ARL3,PLK1,S P1,ABHD2
wgEncodeSydhTfbsHe pg2CebpzlggrabPk.narr owPeak.gz	4.7137	CEBPZ	SP1,ABHD2,H2AFV,IL6R, PLK1,CRY1,RAD51
GSM1208789_batch2_ chrom1_LoVo_RBCK1_ PassedQC_peaks_hg1 9	4.33481	RBCK1	SP1,ABHD2,H2AFV,ARL3, RAD51
GSM1208674_batch1_ chrom1_LoVo_SMAD2 _PassedQC_peaks_hg 19	4.11338	SMAD2	SP1, ABHD2, ARL3