Table 1 Compared with non-tumorous samples, 205 DEGs were identified from the datasets analyzed, of which 90 genes were up-regulated genes and 115 genes were down-regulated genes in breast cancer tissues.

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| DEGs | RBPs |
| Upregulated | EXO1, TPX2, MKI67, RDM1, DQX1, NUSAP1, EEF1A2, HIST1H4HESRP1, XIRP1, EZH2, SLC16A3, JAKMIP1, KRT18, CELF3, TERT, KNOP1IGF2BP1, MEX3A, HIST1H1C, HIST1H1E,HIST1H1B,RNASEH2A,OASL, CGN, NME1, MKRN3, ELAVL2, ESRP2, MAZ, FKBP4, HMGA1, MRPS34DDX39A, EXOSC4, EZR, LSM4, RPUSD1, SNRNP25, BOP1,HSPB1,IDH2NUDT16L1, OAS2, MRPL14, OAS3, TSEN54, SNRPB, RNASE2, MRPL55NVL, EIF4E1B, DNMT3B, COA6, DNAJC1,HDGF, MRPS12, PARP1, GP2LRRC59, PUSL1, INTS7, STRBP, ALYREF, C1orf35, BARD1, CD3EAPPDIA4, ZNF239, RPL39L, FLYWCH2, BASP1, MRPL12, ARPC1B HNRNPAB, OAS1, SNRPE, DCAF13, HSPE1, THOC6, ADAT3, MRPL13RCC2, MANF, CCDC137, MTCL1, H2AFY, PTRH1, HIST1H4B, ALDOA |
| Downregulated | ZCCHC11, SNTB2, NYNRIN, PABPC4L, CTIF, RBFOX1, DZIP1, LGALS3S100A4, RBM20, FTO , RBMS1 , CELF6 , APOBEC3C , ACAA2 , EIF4E3HADH, HABP4, PAPOLB, SRSF12, CELF5, C15orf52, APOBEC2, RBPMSDZIP1L, RBMS2, ASS1, TDRD9, TIPARP, YAP1, RNASE1, CSRP1, YBX3 QKI, PPARGC1B, TARDBP, ADARB2, TLR3, FBXO17, TDRD6, MBNL2 BICC1, STXBP1, MBNL3, ZCCHC5, DDX26B, ARHGEF28, ZNF106, VIM PABPC5, TDRD1, ZFP36L2, MAP2, MAP3K20, RBPMS2, PIWIL4, LDHB RNASE13, NOVA2, RNASE4, PCBP3, MAP1B, TAGLN, CHGA, ADAD2 ACO1, LRP1, AFF2, ZCCHC24, GSPT2, SORBS2, RBM46, SYNE1, ADD3 AHNAK, NPM2, SMAD9, ZC3H12B, DDX25, SAMD4A, ZC3H12C, CAT DDX43, LARP6, SPTBN1, ENDOU, IGF2BP2, PTRF, DCD, PIWIL2, DCN SCG3, CELF2, CPEB1, GAS2, LAMA2, ZFP36, COL14A1, ALDOC, DST PAPD7, RBMS3, TDRD10, PPARGC1A ,NOVA1, NDRG2, NR0B1, OGN DMGDH, TNS1, SORBS1, CNN1, RNASE7, CRYAB, C4BPA |