

Table 1. Genes with the same (increased or decreased) trends of H3K27me3 alterations in MDA-MB-231 cells treated by YPB and OPB peptides versus Cont peptide in the ChIP-seq studies.

	H3K27me3 ChIP signal	
	Increased (93 genes)	Decreased (38 genes)
Gene names	RAB11FIP4, SPNS3, PEAR1, HSD17B3, MYCBPAP, TSSK1B, CACNB3, TTLL6, SNED1, AC126915.1, RPSAP69, AC118754.1, C10orf105, EVX2, AC021491.1, RBP4, MATN2, DHRS3, GRK1, OR4R1P, EEF1A1P8, MEGF6, AC113348.1, DMKN, AC090955.1, YPEL2, MARK1, LINC00051, AC080078.1, CARNS1, FER1L4, AL049833.3, MUC21, SMAD6, RN7SL33P, PCSK9, OR4A42P, HCN2, KCNMA1, AC017033.1, DIPK1B, MIR551A, RASGEF1C, HCAR1, OSBPL5, RAPGEF3, AC093392.1, RHCG, AL390726.6, INPP5J, CASC15, PLEKHA7, CLPSL2, RNF183, TFEB, AC004080.1, AL354984.3, ATOH8, TMPRSS6, FBN3, AC087645.3, AC011840.1, NCS1, GSN, ENPP7, DEGS2, CLEC2L, PRKCZ, MFAP3, TMEM105, VASH1, GGT7, RAB15, RN7SKP280, GALNT16, AC091932.4, PMEPA1, PPY2P, PIK3C2B, KLHDC8A, LINC01978, AL096828.1, JAG2, GRHL3, AC025437.6, AC090825.1, PPP1R32, AL359853.1, LRRN4, AC244517.5, PPIE, UCMA, RARRES2P11.	PTENP1, RN7SKP73, FLT4, AC007638.1, SLCO2B1, LIFR, SCD, OR5B3, MYH10, TRIM26BP, RNU6- 129P, AL162726.3, RNA5SP154, SLFN14, OXCT1, CLVS1, IFT81, CFAP221, CA11, AC002375.1, OR5W2, RNU6-662P, AC018697.1, LINC01866, KHDRBS3, RNU6-114P, AC134508.1, AC046168.2, HSPE1P1, IL18R1, ARMC3, KRT26, MIR3142HG, FAM153A, LAMA5, MAP7D2, HOOK1.