

**Supplementary Table 4. The top 30 genes negatively linked with ENPP1 in LIHC**

TSPAN15	MFSD10	KIAA1522	TMEM132A	SYT13
AGRN	ALOXE3	SH2D3A	RHOV	ALDOA
CTXN1	ATP8A2	CD58	PDLIM7	KRT80
ITGB4	ATP1A1	SPINT1	CEACAM7	PRSS22
FA2H	EPN3	SYNGR3	SEL1L3	TUBB3
PFKP	TEX19	ANXA4	TAX1BP3	ANO9