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**Supplementary Fig. 1 The relevance of *CLDN1/CLDN4/HIF-1*  $\alpha$  with ESCC in TCGA database.**

**A,B,C** In ESCC, the expression of *CLDN1*(**A**),*CLDN4*(**B**) and HIF-1  $\alpha$  (**C**) in cancer tissues are significant higher than that in para-cancers. **D,E** The protein expression of *CLDN1* and HIF-1  $\alpha$  (**D**) and *CLDN4* and HIF-1  $\alpha$  (**E**) have significant correlation in ESCC .(\*,  $p < 0.05$ ; \*\*,  $p < 0.01$ ).