

Supplementary Table S1. Pan-cancer associations between ALOX15 expression and clinicopathological parameters.

Cancer Type	Gender	Age	Grade	Clinical Stage	T Stage	N Stage	M Stage
LUAD	✓			✓	✓		
STES	✓	✓	✓			✓	
KIRP	✓	✓				✓	
OV			✓				
COAD				✓		✓	✓
READ				✓		✓	✓
BRCA				✓		✓	
LUSC		✓		✓			
THCA				✓			
SKCM				✓			✓
PRAD					✓	✓	
ESCA		✓					✓
SARC		✓					
PAAD		✓					
KIRC		✓					
UCEC		✓					
KIPAN						✓	
THYM		✓					

✓ indicates a statistically significant correlation ($p < 0.05$) between ALOX15 expression and the specific clinicopathological parameter in that cancer type.

