381 lncRNAs were left with prognostic value (P value < 0.05, |HR| > 1).

4537 lncRNAs were left filtered by expression (can be detected in at least 80% samples).

824 tumor samples

survival analysis (media expression as cutoff)

381 lncRNAs were left with prognostic value (P value < 0.05, |HR| > 1)

4537 lncRNAs were left

105 paired samples (tumor and adjacent tissue)

filtered by expression (can be detected in at least 80% samples)

48 lncRNAs

HR >1 & P.value < 0.01

one lncRNA left (LINC01614)