

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: (a) Genotyping information for the two samples used in Figure 1B, and (b) ROS1 fusion partners in LUAD

File Name: Supplementary Data 2

Description: The genotyping of tumors with U2AF1-S34F and ROS1-wildtype

File Name: Supplementary Data 3

Description: iCLIP-seq- counts and enrichments for called peaks

File Name: Supplementary Data 4

Description: RNA-Seq FPKM Values- each row is one gene and columns are different conditions

File Name: Supplementary Data 5

Description: Alternative splicing PSI and Bayes factor data

File Name: Supplementary Data 6

Description: List of differentially spliced exons in EMT genes and their effect on making premature termination codons