

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Table of the mapping statistics from *in vivo* and *in vitro* RNA-seq experiments.

File Name: Supplementary Data 2

Description: Edge test results for RNA-seq data comparisons between *in vivo* and *in vitro* samples.

File Name: Supplementary Data 3

Description: Edge test results for RNA-seq data comparisons between *in vitro* cultured samples.

File Name: Supplementary Data 4

Description: Gene ontology (GO) analysis of DEGs identified by RNA-seq.