Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: hEPI9 shRNA library composition.

File Name: Supplementary Data 2

Description: Supplementary methods information: shRNA sequences / qRT-PCR primers /

Patient characteristics.

File Name: Supplementary Data 3

Description: hEPI9 shRNA screen results in SKK-1 cells after 14 days of treatment with AZA.

File Name: Supplementary Data 4

Description: Differentially expressed genes determined by SLAM-seq in MOLM-13 cells after

2 hours of treatment with C646.

File Name: Supplementary Data 5

Description: GO analysis of down- or up-regulated newly synthesized transcripts in MOLM-13

cells after 2 hours of treatment with C646.

File Name: Supplementary Data 6

Description: Newly synthesized proteins in MOLM-13 cells after 4 hours of treatment with

C646.

File Name: Supplementary Data 7

Description: GO analysis of affected proteins with ≥ 75 % decrease in PSM in MOLM-13 cells

after 4 hours of treatment with C646.

File Name: Supplementary Data 8

Description: Polysome profiling in MOLM-13 cells after 4 hours of treatment with C646.