

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Barcode recovery and MDS primers for all samples.

File Name: Supplementary Data 2

Description: Frequency of mutations in Kras exon 2 detected by MDS targeting the non-transcribed strand in the lungs of mice after PBS or urethane exposure.

File Name: Supplementary Data 3

Description: Frequency of mutations in Kras exon 2 detected by MDS targeting the transcribed strand in the lungs of mice after PBS or urethane exposure.

File Name: Supplementary Data 4

Description: Frequency of mutations in Kras exon 1 detected by MDS targeting the transcribed strand in the lungs of mice after PBS or urethane exposure.

File Name: Supplementary Data 5

Description: Frequency of mutations in Kras exon 1 detected by MDS targeting the non-transcribed strand in the lungs of mice after PBS or urethane exposure.

File Name: Supplementary Data 6

Description: Frequency of mutations in Hras exon 2 detected by MDS targeting the non-transcribed strand in the lungs of mice after PBS or urethane exposure.

File Name: Supplementary Data 7

Description: Frequency of mutations in Kras exon 2 detected by MDS targeting the non-transcribed strand in the liver of mice after PBS or urethane exposure.

File Name: Supplementary Data 8

Description: Frequency of mutations in Kras exon 2 detected by MDS targeting the non-transcribed strand in the pancreas of mice after PBS or urethane exposure.