Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Associations between driver mutations and selected mutational signatures within cancer

types

File Name: Supplementary Data 2

Description: Associations between driver mutations and all mutational signatures within cancer types

File Name: Supplementary Data 3

Description: Mutations in each gene considered for differential selection analyses

File Name: Supplementary Data 4

Description: Pairs of mutations within a gene with frequencies significantly different from expectation

based on mutational signatures

File Name: Supplementary Data 5

Description: Pairs of mutations in related genes with frequencies significantly different from

expectation based on mutational signatures

File Name: Supplementary Data 6

Description: Driver genes used for the study