

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Differential expression analysis of RNA sequencing data between NRAS mutant MEFs and NRAS wild-type MEFs (related to Supplementary Figure 5)

Supplementary Data 1a: DESeq Analysis of MEFs expressing NRAS Q61R versus MEFs expressing NRAS Q61Q (padj < 0.05)

Supplementary Data 1b: DESeq Analysis of MEFs expressing NRAS Q61H versus MEFs expressing NRAS Q61Q (padj < 0.05)

Supplementary Data 1c: DESeq Analysis of MEFs expressing NRAS Q61P versus MEFs expressing NRAS Q61Q (padj < 0.05)

File Name: Supplementary Data 2

Description: Differential expression analysis of RNA sequencing data between NRAS mutant MEFs (related to Figure 3)

Supplementary Data 2a: DESeq Analysis of MEFs expressing NRAS Q61R versus MEFs expressing NRAS Q61H (padj < 0.05)

Supplementary Data 2b: DESeq Analysis of MEFs expressing NRAS Q61R versus MEFs expressing NRAS Q61P (padj < 0.05)

Supplementary Data 2c: DESeq Analysis of MEFs expressing NRAS Q61H versus MEFs expressing NRAS Q61P (padj < 0.05)

File Name: Supplementary Data 3

Description: Differential expression analysis of RNA sequencing data between NRAS mutant murine melanoma samples (related to Supplementary Figure 8)

Supplementary Data 3a: DESeq Analysis of murine melanomas expressing NRAS Q61K versus murine melanomas expressing NRAS Q61R (padj < 0.05)

Supplementary Data 3b: DESeq Analysis of murine melanomas expressing NRAS Q61L versus murine melanomas expressing NRAS Q61R (padj < 0.05)

Supplementary Data 3c: DESeq Analysis of murine melanomas expressing NRAS Q61H versus murine melanomas expressing NRAS Q61R (padj < 0.05)