

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **Overview of genes with at least two selected mutations between baseline and end of study in either arm of the CALGB/SWOG 80405 trial.** Abbreviations: Bev, Bevacizumab; Cetux, Cetuximab.

File Name: Supplementary Data 2

Description: **List of ARID1A differentially expressed genes in TCGA cohort based on selected functional events (SFE) reported in Mina et al., 2017.**

File Name: Supplementary Data 3

Description: **Pathway commons enriched in top SELECT gene interactions with ARID1A in CRC.**

File Name: Supplementary Data 4

Description: **Pathway commons enriched in top SELECT gene interactions with ARID1A in lung cancer.**