Description of Additional Supplementary Files

Supplementary Data 1: Whole Exome Sequencing for M14, M14-BR, M14-BMR, Mel1617, and Mel1617-BR comparing resistant lines to parental lines (subtracting out mutations that were present in parental lines). Mutations observed in resistant lines are shown.

Supplementary Data 2: Whole Exome Sequencing for 451-Lu and 45-Lu-BR-resistant samples, comparing resistant line to parental line (subtracting out mutations that were present in the parental line). Mutations observed in resistant lines are shown.

Supplementary Data 3-8: Whole Exome Sequencing for Mel1617-BR responding and non-responding xenografts samples (two tumors apiece).

Supplementary Data 3: Unique gene mutations identified in both responding tumors.

Supplementary Data 4: Unique gene mutations identified in both non-responding tumors.

Supplementary Data 5: Gene mutations in common between all tumors.

Supplementary Data 6: Gene mutations in non-responding tumor-mouse #38.

Supplementary Data 7: gene mutations in non-responding tumor mouse #48.

Supplementary Data 8: gene mutations in responding tumor-mouse #45.

Supplementary Data 9: gene mutations in responding tumor mouse #46