SUPPLEMENTARY MATERIAL

| Cell Lines | Disease Stage | BRAF | NRAS | Other mutations | Age/Gender | Pathology | Site |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WM3623** | Metastasis | WT | Q61K | ARID2 | 48/Male | Right Lymph Node Resection, Level 5: Metastatic Malignant Melanoma | Right Neck Lymph Nodes |
| **WM1366** | VGP | WT | Q61L | DDX3X | 79/Male | SSM, Stage IV tumor | Right Forearm |

Supplementary Table 3. Melanoma cell lines depicting NRAS Mutations. Patient derived tumor cells are classified according on the stage of disease, mutations, age, gender, pathology and site of origin. Abbreviations: Vertical Growth Phase (VGP), Superficial Spreading Melanoma (SSM).