Supplementary Materials

**Deleterious *AHNAK2* mutation as a novel biomarker for immune checkpoint inhibitors in non-small cell lung cancer**

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Legend

Table S1. Baseline characteristics of the 5 multiple lung cancer patients.

Figure S1. Mutational profiles of the 5 multiple lung cancer patients.

A. Top 50 mutation rate genes.

B. Shared mutation counts in each patient.

Table S1.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient ID** | **Gender** | **Age** | **Ethnicity** | **Smoking history** | **Tumor ID** | **Size(cm)** | **Location** | **Histology** |
| 01 | Female | 69 | Han Chinese | Non-smoker | 01-01 | 1.3 | RLL | IAC |
|  |  |  |  |  | 01-02 | 0.8 | RUL | IAC |
| 02 | Female | 50 | Han Chinese | Non-smoker | 02-01 | 0.9 | RUL | MIA |
|  |  |  |  |  | 02-02 | 0.6 | RUL | MIA |
| 03 | Male | 61 | Han Chinese | Non-smoker | 03-01 | 1.5 | LUL | IAC |
|  |  |  |  |  | 03-02 | 0.6 | RUL | MIA |
| 04 | Female | 60 | Han Chinese | Non-smoker | 04-01 | 2.8 | LUL | IAC |
|  |  |  |  |  | 04-02 | 1.3 | RLL | IAC |
| 05 | Male | 59 | Han Chinese | Non-smoker | 05-01 | 1.5 | LLL | IAC |
|  |  |  |  |  | 05-02 | 2 | LUL | IAC |

LLL left lower lobe, LUL left upper lobe, RLL right lower lobe, RUL right upper lobe

Figure S1.

