



Sample Information

Patient Name: 李智明**Gender:** Male**ID No.:** T101712800**History No.:** 46548361**Age:** 66**Ordering Doctor:** DOC3127D 趙恒勝**Ordering REQ.:** D5H1J56**Signing in Date:** 2020/11/12**Path No.:** S109-89834**MP No.:** F20097**Assay:** Oncomine Focus Assay**Sample Type:** FFPE**Block No.:** S109-78486A**Percentage of tumor cells:** 50%**Note:**

Sample Cancer Type: Non-Small Cell Lung Cancer

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Report Highlights

0 Therapies Available

0 Clinical Trials

Relevant Non-Small Cell Lung Cancer Findings

| Gene | Finding | Gene | Finding |
|-------|--------------|-------|--------------|
| ALK | Not detected | NTRK1 | Not detected |
| BRAF | Not detected | NTRK2 | Not detected |
| EGFR | Not detected | NTRK3 | Not detected |
| ERBB2 | Not detected | RET | Not detected |
| KRAS | Not detected | ROS1 | Not detected |
| MET | Not detected | | |

Relevant Biomarkers

No relevant biomarkers found in this sample.

Comment

Although no fusion transcript can be detected, there is high imbalance of the number of 3' reads and 5' reads in the RET gene (3'/5' imbalance value: 25.86). A high 3'/5' imbalance value is suggestive of the presence of gene fusion. The possibility of RET fusion involving partners other than those targeted by the panel cannot be excluded. Further confirmation with other methodologies is suggested.



Variant Details

DNA Sequence Variants

| Gene | Amino Acid Change | Coding | Variant ID | Locus | Allele Fraction | Transcript | Variant Effect | Coverage |
|--------|-------------------|-----------|------------|----------------|-----------------|-------------|----------------|----------|
| JAK1 | p.(=) | c.2199A>G | . | chr1:65310489 | 0.996 | NM_002227.3 | synonymous | 1983 |
| ALK | p.(D1529E) | c.4587C>G | . | chr2:29416366 | 0.998 | NM_004304.4 | missense | 1998 |
| ALK | p.(I1461V) | c.4381A>G | . | chr2:29416572 | 0.998 | NM_004304.4 | missense | 2000 |
| ALK | p.(=) | c.3375C>A | . | chr2:29445458 | 0.999 | NM_004304.4 | synonymous | 1997 |
| FGFR3 | p.(=) | c.1953G>A | . | chr4:1807894 | 0.997 | NM_000142.4 | synonymous | 1995 |
| PDGFRA | p.(=) | c.939T>G | . | chr4:55133726 | 0.476 | NM_006206.5 | synonymous | 1998 |
| PDGFRA | p.(=) | c.1701A>G | . | chr4:55141055 | 0.999 | NM_006206.5 | synonymous | 1999 |
| PDGFRA | p.(=) | c.2472C>T | . | chr4:55152040 | 0.475 | NM_006206.5 | synonymous | 1997 |
| FGFR4 | p.(P136L) | c.407C>T | . | chr5:176517797 | 0.992 | NM_213647.2 | missense | 2000 |
| RET | p.(=) | c.2307G>T | . | chr10:43613843 | 0.488 | NM_020975.4 | synonymous | 1998 |



Signatures

Testing Personnel:

Laboratory Supervisor:

Pathologist: