**Table 1. Clinical and morphological characteristics of non-small cell lung cancer (N = 16)**

|  |  |
| --- | --- |
| **Characteristics** | **Number of cases, n (%)** |
| Histology: | |
| adenocarcinoma | 4 (25) |
| squamous cell cancer | 12 (75) |
| Location: | |
| central | 4 (25) |
| peripheral | 12 (75) |
| Stage: | |
| I–IIIA | 11 (69) |
| IIIB–IV | 5 (31) |
| Tumor size (Т): | |
| T1–T2 | 6 (38) |
| T3–T4 | 10 (62) |
| Regional metastases (N): | |
| N0–N1 | 8 (50) |
| N2 | 8 (50) |
| Distant metastases (M): | |
| M0 | 13 (81) |
| M+ | 3 (19) |
| Tumor differentiation grade (G): | |
| G1–G2 | 8 (50) |
| G3 | 8 (50) |

**Table 2. Nucleotide sequences of the primers used**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **Direct primer** | **Reverse primer** | **Annealing temperature, °С** |
| *PSMB8-AS1* | 5’ GGAAAGACATCGGACCGTCA 3’ | 5’ TGGGAAACGTTGGTGTCCTT 3’ | 60 |
| *MBNL1-AS1* | 5’ CTCCCGCTTCTTCTACCGAC 3’ | 5’ TTGGTGCATTTTAAGGCGGC 3’ | 60 |
| *OLMALINC* | 5’ CCTGTTGTCGCCCTCACTCC 3’ | 5’ AGGCCTGACACTCCTATCCG 3’ | 60 |
| *GAPDH* | 5’ TCGGAGTCAACGGATTTGGT 3’ | 5’ TCCCGTTCTCAGCCTTGACG 3’ | 60 |

**Table 3. The association between PSMB8-AS1, MBNL1-AS1, and OLMALINC expression and clinical and morphological characteristics of non-small cell lung cancer (N = 16)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | **PSMB8-AS1 expression** | |  | **MBNL1-AS1 expression** | |  | **OLMALINC expression** | | |
| **Low** | **High** | **P value** | **Low** | **High** | **P value** | **Low** | **High** | **P value** |
| Histology: |  |  | 0.569 |  |  | 0.569 |  |  | 0.569 |
| adenocarcinoma | 1 | 3 | 1 | 3 | 1 | 3 |
| squamous cell cancer | 7 | 5 | 7 | 5 | 7 | 5 |
| Location: |  |  | 0.077 |  |  | 0.569 |  |  | 0.077 |
| central | 0 | 4 | 1 | 3 | 0 | 4 |
| peripheral | 8 | 4 | 7 | 5 | 8 | 4 |
| Stage: |  |  | > 0.999 |  |  | > 0.999 |  |  | > 0.999 |
| I–IIIA | 3 | 2 | 2 | 3 | 2 | 3 |
| IIIB–IV | 5 | 6 | 6 | 5 | 6 | 5 |
| Tumor size (Т): |  |  | > 0.999 |  |  | 0.608 |  |  | > 0.999 |
| T1–T2 | 3 | 3 | 2 | 4 | 3 | 3 |
| T3–T4 | 5 | 5 | 6 | 4 | 5 | 5 |
| Regional metastases (N): |  |  | 0.619 |  |  | > 0.999 |  |  | > 0.999 |
| N0–N1 | 3 | 5 | 4 | 4 | 4 | 4 |
| N2 | 5 | 3 | 4 | 4 | 4 | 4 |
| Distant metastases (M): |  |  | > 0.999 |  |  | 0.200 |  |  | > 0.999 |
| M0 | 6 | 7 | 8 | 5 | 6 | 7 |
| M+ | 2 | 1 | 0 | 3 | 2 | 1 |
| Tumor differentiation grade (G): |  |  | 0.619 |  |  | 0.619 |  |  | > 0.999 |
| G1–G2 | 5 | 3 | 3 | 5 | 4 | 4 |
| G3 | 3 | 5 | 5 | 3 | 4 | 4 |