**Table S11. Logistic regression analysis of factors associated with VM positivity rate in HCC tissues**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Independent variable | B | SE. | Wald | P-value | Exp(B) | 95% CI |
| Smoking history (yes) | 0.005 | 1.004 | 0.000 | 0.996 | 1.005 | 0.141-7.187 |
| miR-215-5p expression | -6.609 | 3.351 | 3.889 | 0.049\* | 0.001 | 0.000-0.960 |
| ZEB2 expression | 2.404 | 1.128 | 4.537 | 0.033\* | 11.063 | 1.211-101.033 |
| Tumor size (≤5cm) | -3.051 | 1.535 | 3.95 | 0.047\* | 0.047 | 0.002-0.959 |
| TNM staging (stage III-IV) | 1.903 | 1.638 | 1.351 | 0.245 | 6.709 | 0.271-166.201 |
| Microvascular density (MVD) | 0.180 | 0.087 | 4.289 | 0.038\* | 1.198 | 1.010-1.420 |