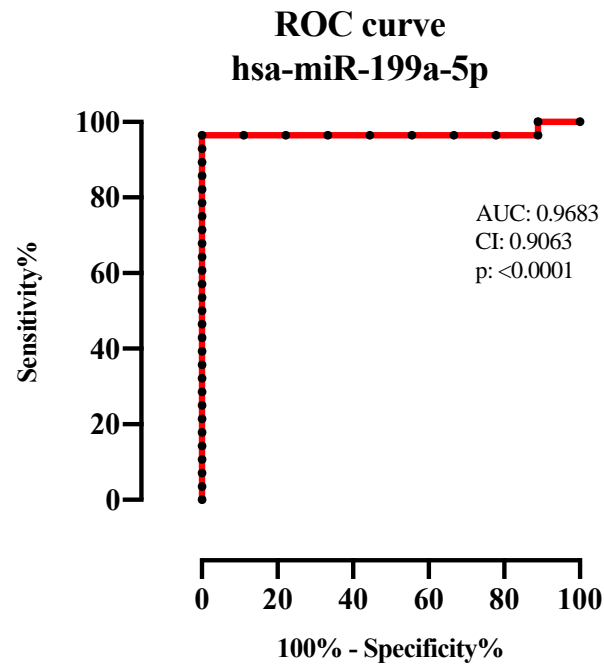**Supplementary Figure S1.** Analysis of hsa-miR-199a-5p expression levels in farm workers stratified according different characteristics. (**A**) Stratification by gender (Mann-Whitney test); (**B**) Stratification by age (Mann-Whitney test); (**C**) Stratification by cigarette smoking (Mann-Whitney test); (**D**) Stratification by employee seniority (Kruskal-Wallis test); (**E**) Stratification by annual pesticide exposure (Kruskal-Wallis test); (**F**) Stratification by use of PPE (Mann-Whitney test). No significant data were obtained.

ROC curve
hsa-miR-199a-5p

AUC: 0.9683
CI: 0.9063
p: <0.0001

Sensitivity%

100% - Specificity%

Supplementary Figure S2. ROC analysis demonstrated the high diagnostic value of hsa-miR-199a-5p (96.43% sensitivity and 100% specificity).