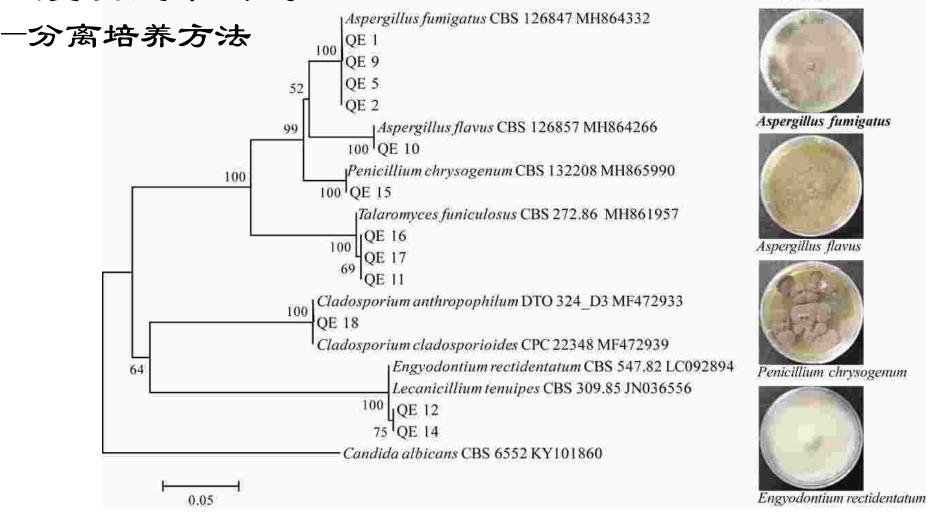


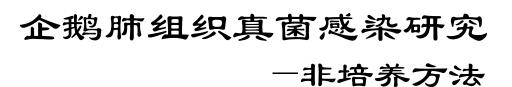
企鹅肺组织真菌感染研究



PDA



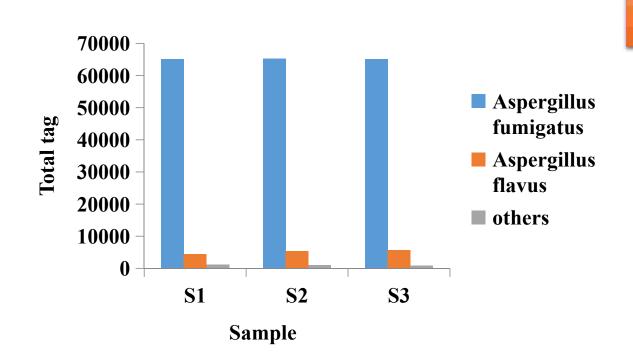
基于ITS序列邻接法分析真菌菌株,总计从企鹅肺部病灶中分离真菌 12 株,分别属于6个种,
Aspergillus fumigatus 分离频率最高,占分离菌株的33%。



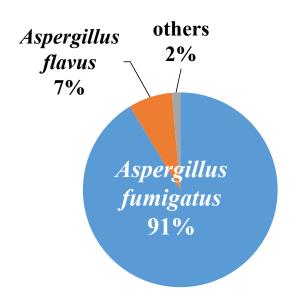




琼脂糖凝胶检测 PCR 扩增产物(ITS序列)











- **1.** Few fungi are common pathogens in avian species, and they are **opportunistic** rather than obligate parasites;
- 2. Aspergillosis is by far the most prevalent mycosis of birds and is an economically important respiratory disease of poultry;
- 3. Aspergillus fumigatus is the principal agent causing aspergillosis in poultry;
- 4. Aspergillosis in birds usually affects the lower pulmonary system with florid lesions in air sacs and lungs;
- **5.** Aspergillosis is a greater problem in confined flocks where **stress factors** and **poor air quality** may be involved, or where moldy litter or grain is present;
- **6.** Infections are acquired from **environmental exposure**. Disturbances of **soil** or movement of **hay**, **compost**, or **litter** can produce **aerosols** that provide for respiratory exposure to conidia;
- **7.** Immunosuppressive compounds, inadequate nutrition, or other infectious diseases are critical for aspergillosis to develop;







Measures:

First: Timely treatment + Strict hygiene (prevention);

Reduce stress should also be encouraged at all times;

Third: Good breeding and management conditions:

reducing dust in poultry houses and improving ventilation (air flora density-decreased-the windows were);

elimination of moldy feed from the diet and environment, along with proper management of sawdust litter.

References

