

Table 3 Strains of *A. auricular* and their sources

Strains No.	Strains name	Source
1	Heimuer-2	Institute of Microbiology, Heilongjiang Academy of Sciences
2	Heiweibanjin	Institute of Microbiology, Heilongjiang Academy of Sciences
3	Longjianghei+	Institute of Biology, Hebei Academy of Sciences
4	Heimuer2	Pingquan Xicai applied bacteria technology development company
5	Jiyou No.1	Xinji Wanlong mushroom Co., Ltd
6	Heiweidanpian	Institute of Microbiology, Heilongjiang Academy of Sciences
7	Heimuer-1	Xinji Wanlong mushroom Co., Ltd
8	Yante No.5	Institute of Biology, Hebei Academy of Sciences
9	Gaochanwang	Pingquan Xicai applied bacteria technology development company
10	Heiwei15	Pingquan Xicai applied bacteria technology development company
11	Jipin-8	Pingquan Xicai applied bacteria technology development company
12	Baolin No.2	Pingquan Xicai applied bacteria technology development company
13	Hei29	Pingquan Xicai applied bacteria technology development company
14	Diaodai	Pingquan Xicai applied bacteria technology development company
15	Heishan	Xinji Wanlong mushroom Co., Ltd