

表 2 部分插入片段与 Genbank 中已知基因的相似性比较结果

Table2 The similarity of parts of fragments with the function identified genes in GenBank

EST 编号 EST No.	长度 (bp) Length (bp)	同源基因 Homologous gene	物种 Organism	相似度 Identities	期望值 E-value
1	709	氨基转移酶 branched-chain-amino-acid aminotransferase	核盘菌 Sclerotinia sclerotiorum	192/230 (83%)	4.00E-139
2	967	氨基转移酶 branched-chain-amino-acid	核盘菌 Sclerotinia sclerotiorum	219/280 (78%)	4.00E-158
3	434	丙酮酸脱羧酶 pyruvate decarboxylase	灰葡萄孢霉 Botryotinia fuckeliana	112/135 (83%)	6.00E-61
5	551	钾离子通道 Voltage-gated potassium channel subunit beta-1	Glarea lozoyensis	92/130 (71%)	1.00E-61
8	532	钾离子通道 voltage-gated K channel beta subunit, putative	Talaromyces stipitatus	144/205 (70%)	7.00E-14
10	367	硝酸盐转运蛋白 Nitrate transporter	构巢曲霉 Aspergillus nidulans	71/89 (80%)	7.00E-12
45	710	核糖体蛋白 60S ribosomal protein L2560s	核盘菌 Sclerotinia sclerotiorum	115/126 (91%)	4.00E-73
52	939	硝酸还原酶 nitrate reductase	黑曲霉 Aspergillus niger	173/291 (59%)	2.00E-113
54	386	异柠檬酸裂合酶 putative Isocitrate lyase	Glarea lozoyensis	32/35 (91%)	6.00E-13
103	570	氨基酸通透酶 amino acid permease	Grosmannia clavigera	135/178 (76%)	4.00E-76
113	506	自噬蛋白 similar to autophagy protein Atg27	灰葡萄孢霉 Botryotinia fuckeliana	58/132 (44%)	8.00E-38
115	569	氨基酸通透酶 amino acid permease	Grosmannia clavigera	134/178 (75%)	1.00E-75
120	715	氨基酸通透酶 amino acid permease 2	Metarhizium acridum	131/232 (56%)	2.00E-92
143	495	硝酸盐转运蛋白 nitrate transporter	土曲霉 Aspergillus terreus	97/132 (73%)	7.00E-45
144	367	硝酸盐转运蛋白 nitrate transporter CmA	Talaromyces stipitatus	52/116 (45%)	2.00E-16
145	366	硝酸盐转运蛋白 nitrate transporter	小巢状曲菌 Emericella nidulans	71/89 (80%)	7.00E-12
156	649	组蛋白 histone 1-like protein mRNA, complete cds	嗜热毁丝霉 Myceliophthora thermophila	115/153 (75%)	4.00E-18
158	497	硝酸盐转运蛋白 nitrate transporter	土曲霉 Aspergillus terreus	111/151 (74%)	4.00E-46
174	426	氨基酸通透酶 amino acid permease	Grosmannia clavigera	99/129 (77%)	1.00E-68
179	908	核糖体蛋白 60S ribosomal protein L2560S	核盘菌 Sclerotinia sclerotiorum	115/126 (91%)	4.00E-72
183	367	硝酸盐转运蛋白 nitrate transporter	Talaromyces stipitatus	52/116 (45%)	2.00E-16
186	578	组蛋白 H3 histone H3	白僵菌 Beauveria bassiana	52/52 (100%)	5.00E-27
204	312	核糖体蛋白 60S ribosomal protein L26 60S	灰葡萄孢霉 Botryotinia fuckeliana	67/74 (91%)	4.00E-40
206	751	组蛋白 H1 histone H1	粗糙脉孢菌 Neurospora crassa	317/479 (66%)	2.00E-23