

**Supplementary Table S1** Functional composition of *Acremonium terricola* cultures, dry matter basis

Items	Value, %
Dry matter (% air dry basis)	94.40
Ether extract	3.06
Crude protein	24.53
D-mannitol	84.50
Galactomannan	44.60
3'-deoxyadenosine	0.43
Ergosterol	0.60
Total amino acids	17.27
Aspartic acid	1.79
Threonine	0.72
Serine	0.82
Glutamic acid	3.30
Proline	1.50
Glycine	0.76
Alanine	0.97
Cystine	0.29
Valine	0.90
Methionine	0.26
Isoleucine	0.74
Leucine	1.49
Tyrosine	0.36
Phenylalanine	0.88
Lysine	0.92
Histidine	0.46
Arginine	1.11