

Supplementary Material

A neutral polysaccharide from spores of *Ophiocordyceps gracilis* regulates oxidative stress via NRF2/FNIP1 pathway

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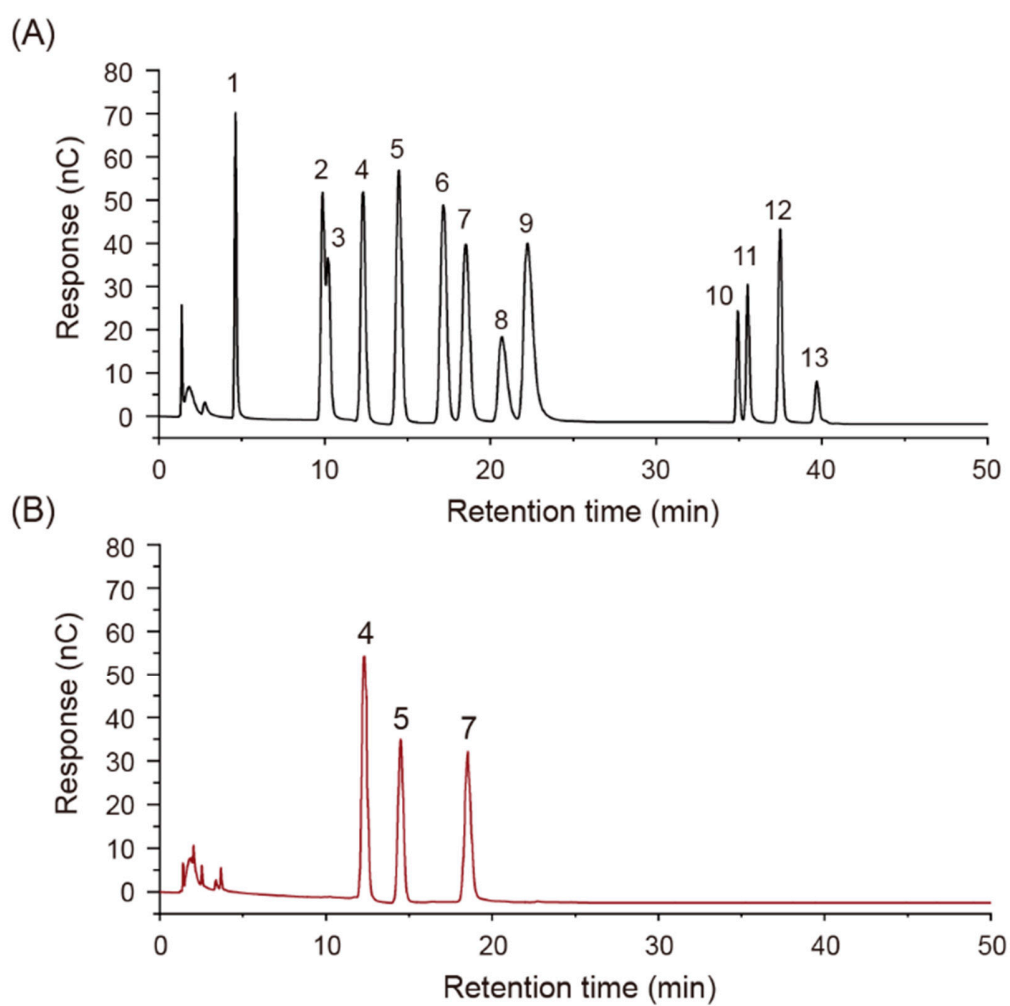


Figure S1. The HPAEC chromatograms of standard monosaccharides (A) and GSP-1a monosaccharide components (B). (1. Fuc, 2. Ara, 3. Rha, 4. Gal, 5. Glc, 6. Xyl, 7. Man, 8. Fru, 9. Rib, 10. Gal-UA, 11. Gul-UA, 12. Glc-UA, 13. Man-UA).



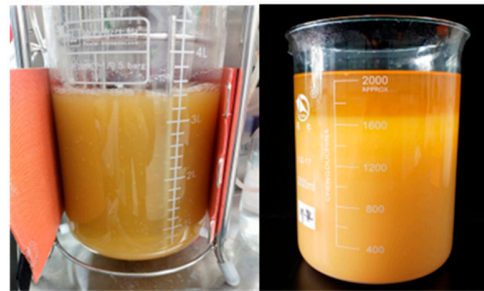
***Paraisaria dubia* strain**



Seed solution



Spore powder



Fermentation cultivation

Figure S2. The preparation of *Ophiocordyceps gracilis* fermentation spore powder.

Table S1 Primer sequences

	Forward primer	Reverse primer
<i>Ho-1</i>	GCCAGCAACAAAGTGCAAGA	TAAGGACCCATCGGAGAAGC
<i>Gclm</i>	GACAAAACACAGTTGGAACAGC	CAGTCAAATCTGGTGGCATC
<i>Nqo1</i>	TGGTGGAGTCGGACCTCTATG	CATGGCAGCGTAAGTGTAAGC
<i>NRF2</i>	GCCTGTAAGTCCTGGTCATCG	GCTCTTTGGACATCATTTTCGTTG
<i>KEAP1</i>	TGTCCTCAATCGTCTCCTTTATGC	CCGCTTCGGATGGTGTTCATT
<i>FNIP1</i>	TGAAAGTGAAGATACAGGTCATGA TA	CAGCACTCACTTCGATTAACCTTG
<i>FEM1B</i>	CACTCCATCATCATTAGCCTAGTTG A	TGTACTTTTGTCTAGCGGAGTCTTATT CT
<i>GAPD</i>	CGACCACTTTGTCAAGCTCA	AGGGGTCTACATGGCAACTG
<i>H</i>		