

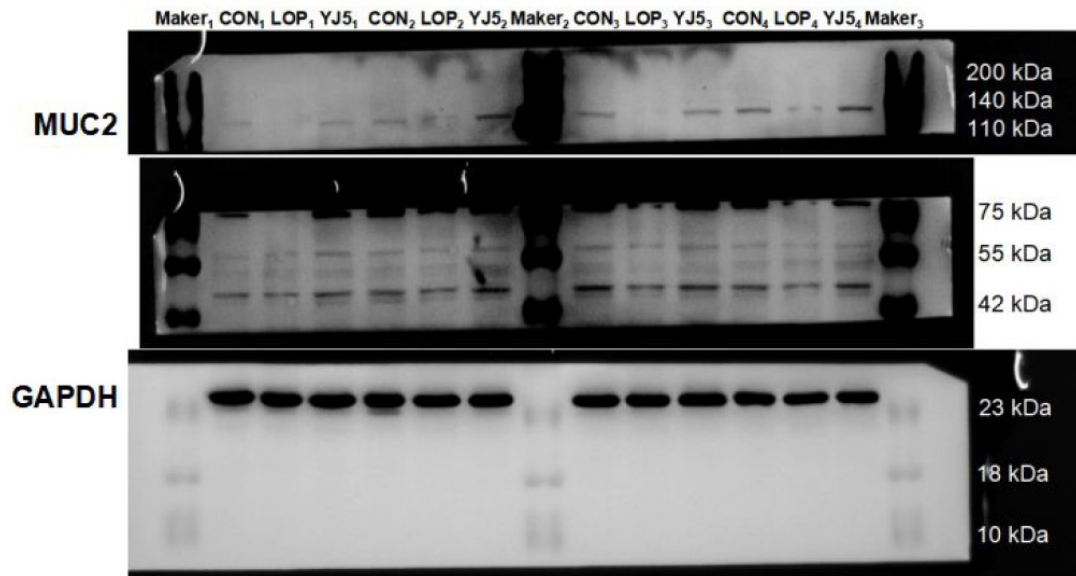
## Supplementary

**Table. S1** Sequences of primers used in the study.

Genes	Forward primer (5'-3')	Reverse primer (5'-3')
<i>GAPDH</i>	AGGTCGGTGTGAACGGATTTG	TGTAGACCATGTAGTTGAGGTCA
<i>AQP4</i>	CTTTCTGGAAGGCAGTCTCAG	CCACACCGAGCAAAACAAAGAT
<i>AQP8</i>	TGTGTAGTATGGACCTACCTGAG	ACCGATAGACATCCGATGAAGAT
<i>Muc2</i>	ATGCCACCTCCTCAAAGAC	GTAGTTTCCGTTGGAACAGTGAA
<i>Muc3</i>	GCCGTGAATTGTATGAACGGA	CGCAGTTGACCACGTTGACTA
<i>Claudin-1</i>	GGGGACAACATCGTGACCG	AGGAGTCGAAGACTTTGCACT
<i>Occludin</i>	TTGAAAGTCCACCTCCTTACAGA	CCGGATAAAAAGAGTACGCTGG
<i>Zo-1</i>	ACCACCAACCCGAGAAGAC	CAGGAGTCATGGACGCACA
<i>c-Kit</i>	GCCACGTCTCAGCCATCTG	GTCGCCAGCTTCAACTATTAACT
<i>SCF</i>	AAACTGGTGGCGAATC	CACGGGTAGCAAGAAC



**Fig. S1** VIP metabolites and classification of differential metabolites identified in the comparison between YJ5CFS and MRS group. (A) Expression profile and VIP metabolites of YJ5CFS and MRS, (B) Compounds classification of differential metabolites identified in the comparison between YJ5CFS and MRS group.



**Fig.S2** Raw Western Blots