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2 Metabolomics combined with multivariate statistical analysis for screening
3 of chemical markers between *Gentiana scabra* and *Gentiana rigescens*

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1 **Table S1.** The columns screened for separation of GRR.

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No.	Type	Specification	Separation mechanism	PH
1	Eclipse Plus C18	2.1×100 mm,1.8 μm	be used for a wide range of applications and over a pH range of 2-9	2-9
2	Zorbax Extend C18	2.1×100 mm,1.8 μm	high efficiency in applications with high pH values	2-11.5
3	BEH-C18	2.1×100 mm,1.8 μm	Suitable for the separation of complex compounds with high PH rang	1-12
4	HSS T3	2.1×100 mm,1.8 μm	Suitable for the separation of complex compounds with wide polar range	2-8
5	Kinetex XB C18	3.0×100 mm,1.7 μm	Good retention of polar compounds	1.5-10
6	Zobax SB C18	2.1×150 mm,1.8 μm	Resistant to high temperature,low pH values	1-8

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