Table S1. Geographical distribution and cultivated years of four ginseng cultivars.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| group | location | latitude | longitude | Altitude (m) | cultivars | cultivated time (year) |
| GL | Korean Autonomous County of Changbai county | N41°25´12.06´´ | E128°12´02.84´´ | 712 | GAOLI ginseng | 6 |
| CM | Jingyu county | N42°23´19.32´´ | E126°48´46.81´´ | 547 | COMMON ginseng | 6 |
| SZ | Shizhuzi county | N40°46´07.53´´ | E125°50´47.98´´ | 163 | SHIZHU ginseng | 6 |
| BT | Taishang town | N41°17´54.67´´ | E125°50´47.98´´ | 355 | BIANTIAO ginseng | 6 |