**TABLE S1.** Detailed information of samples used in this study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **Voucher No.** | **Locality information** | **Genbank no.** |
| S1# | P01 | Haozhou, Anhui  | MG745178\* |
| S2# | P02D | Huanggang, Hubei  | MG745179\* |
| S3# | P02H | Huanggang, Hubei  | MG745180\* |
| S4# | P02S | Huanggang, Hubei  | MG745181\* |
| S5# | P03 | Chengdu, Sichuan | MG745182\* |
| S6# | P04 | Kunming, Yunnan  | MG745232\* |
| S7# | P05 | Yuncheng, Shanxi | MG745203\* |
| S8# | P06 | Hanzhong, Shaanxi  | MG745183\* |
| S9# | P07 | Jining, Shandong  | MG745184\* |
| S10# | P08 | Shantou, Guangdong | MG745204\* |
| S11# | P09 | Haozhou, Anhui  | MG745185\* |
| S12# | P10 | Jieyang, Guangdong  | MG745186\* |
| S13# | P11S | Yulin, Guangxi  | MG745187\* |
| S14# | P11X | Yulin, Guangxi  | MG745188\* |
| S15# | P12 | Baoding, Hebei  | MG745189\* |
| S16# | P13 | Baoding, Hebei  | MG745190\* |
| S17# | P14 | Nanyang, Henan  | MG745205\* |
| S18# | P15 | Yancheng, Jiangsu  | MG745191\* |
| S19# | P16 | Chengdu, Sichuan  | MG745206\* |
| S20# | P17 | Jinhua, Zhejiang  | MG745192\* |
| S21# | P19 | Laibin, Guangxi  | MG745193\* |
| S22# | P20Y | Kunming, Yunnan  | MG745234\* |
| S23# | P20S | Kunming, Yunnan  | MG745207\* |
| S24# | P22 | Chengdu, Sichuan  | MG745209\* |
| S25# | P23 | Lufeng, Yunnan  | MG745233\* |
| *Conioselinum vaginatum*  | - | GenBank | KJ999479 |
| - | GenBank  | KJ999478 |
| *Ligusticum acuminatum*  |  | Hongyuan, Sichuan  | MG745175\* |
| CDBI 0093687 | Maerkang, Sichuan LZ1141 | MG745176\* |
| CDBI 0102313 | Sichuan precise collection site unknown  | MG745177\* |
| *L. delavayi*  | KUN 0462952 | Lijiang, Yunnan  | MG745221\* |
| LZ151006 | Heqing, Yunnan  | MG745222\* |
| KUN 0462949 | Zhongdian, Yunnan  | MG745223\* |
| *L. jeholense*  | [KUN 0463049](http://www.cvh.ac.cn/spm/KUN/0463049) | Neiqiu, Hebei  | MG745194\* |
| [KUN 0463051](http://www.cvh.ac.cn/spm/KUN/0463051) | Xinglong, Hebei  | MG745195\* |
| LJ5 | Institute of Botany, Beijing  | MG745196\* |
| *L. pteridophyllum* | Z1510 | Lijiang, Yunnan  | MG745210\* |
| KUN 0463100 | Huidong, Sichuan  | MG745211\* |
| [KUN 0463129](http://www.cvh.ac.cn/spm/KUN/0463129) | Lushui, Yunnan  | MG745212\* |
| KUN 0463103 | Daocheng, Sichuan  | MG745213\* |
| KUN 0463131 | Xuanwei, Yunnan  | MG745214\* |
| LZ1105 | Kangding, Sichuan  | MG745215\* |
| LZ0951 | Eryuan, Yunnan  | MG745216\* |
| W20100925 | Dali, Yunnan  | MG745217\* |
| 20160655 | Muli, Sichuan  | MG745218\* |
| 20160633 | Yanyuan, Sichuan | MG745219\* |
| 20160649 | Yanyuan, Sichuan  | MG745220\* |
| *L. sinense*  | LZ151002 | Heqing, Yunnan  | MG745197\* |
| [KUN 0463210](http://www.cvh.ac.cn/spm/KUN/0463210) | Suichuan, Jiangxi  | MG745198\* |
| [KUN 0463207](http://www.cvh.ac.cn/spm/KUN/0463207) | Xingshan, Hubei  | MG745199\* |
| [KUN 0463214](http://www.cvh.ac.cn/spm/KUN/0463214) | Taibai, Shanxi  | MG745200\* |
| 20160607 | Yanshan, Yunnan  | MG745201\* |
| LZ1169 | Maerkang, Sichuan  | MG745202\* |
| *L. tenuissimum*  | - | GenBank  | FJ481925 |
| - | GenBank | JN853781 |
| - | GenBank | KP058314 |
| - | GenBank | AY548215 |
| - | GenBank  | AF455750 |
| *Meeboldia yunnanensis* | LZ1518 | Luquan, Yunnan  | MG745224\* |
| [KUN 0463250](http://www.cvh.ac.cn/spm/KUN/0463250) | Daocheng, Sichuan  | MG745225\* |
| KUN 0463261 | Heqing, Yunnan  | MG745226\* |
| KUN 0463257 | Songming, Yunnan  | MG745227\* |
| KUN 0463259 | Kunming, Yunnan  | MG745228\* |
| KUN 0463277 | Dali, Yunnan  | MG745229\* |
| C152 | Dayao, Yunnan  | MG745230\* |
| LZ0942 | Yuanmou, Yunnan  | MG745231\* |
| *Sium suave*  | KUN 1248964 | Zhanghua, Taiwan  | MG745235\* |
| S6 | Institute of Botany, Beijing  | MG745236\* |

# Commercial “Gao-ben” products purchased from different medicinal markets in China

\*newly acquired sequences in this study