**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