**Supplementary data**

Table S1 Information of sweetpotato materials

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Taxon | Variety | Herbarium | Voucher | Geographic origin | identifier |
| *Ipomoea batata* L. | Xinxiang | Zhejiang Academy of Agricultural Sciences | 2007001 | Hangzhou, Zhejiang, China | Liehong Wu |

Table S2 Information of differentially expressed proteins

|  |  |  |
| --- | --- | --- |
|  | Up-regulation (>1.5) | Down-regulation (<1.5) |
| 4℃-VS-13℃ | 266 | 158 |

Table S3 Number of differentially expressed metabolisms

|  |  |  |  |
| --- | --- | --- | --- |
|  | All sig diff | Down-regulation | Up-regulated |
| 4℃-VS-13℃ | 76 | 45 | 31 |



Fig. S1. SDS-PAGE of total proteins extracted from root tuber of *Ipomoea batatas* L.. (30 μg total proteins each lane)



Fig. S2. Distribution of proteins according to molecular weights