**Table S5 Metabolites and contents related to chlorophyll and anthocyanin biosynthesis pathway**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name | XBQ | HXQ | BQ | ZQ |
| Chlorophyll | L-Glutamic acid | 3386870783 | 4509114330 | 5745234380 | 3676993369 |
| Ala-gly | 533689.8607 | 923636.4416 | 988631.0192 | 829553.9684 |
| Chlorophyll a | 35776071.4 | 792346260.2 | 2045101343 | 366303273.9 |
| Pheophorbide A | 1144377.033 | 15906436.79 | 37709108.33 | 1530231.111 |
| Anthocyanin | L-Phenylalanine | 784733291.3 | 554151540 | 708468049.3 | 970005983.1 |
| D-Phenylalanine | 175766120.3 | 102336207.2 | 105694977.1 | 146698145.6 |
| Cinnamic acid | 7665386.795 | 7280116.966 | 8461403.481 | 12531847.39 |
| 3-Methoxycinnamic acid | 11661267.61 | 6631488.349 | 2908836.251 | 4481849.699 |
| Coumarin | 6425493.235 | 3074965.532 | 36696105.66 | 4842836.375 |
| p-Coumaric acid | 106888020.8 | 609923363 | 173951415.7 | 158591170.2 |
| Esculetin | 1103663.913 | 4013878.501 | 13786335.79 | 4711554.266 |
| Scopoletin | 5129736.939 | 2530763.293 | 14098136.17 | 2500412.883 |
| Naringenin chalcone | 1578381.881 | 2205406.871 | 2014788.38 | 2082462.691 |
| Naringenin | 50709903.32 | 17608231.69 | 11626083.19 | 63738212.54 |
| Eriodictyol | 864968.5763 | 238575.0969 | 1154717.664 | 1138697.2 |
| Luteolin | 19341043.22 | 59042847.43 | 49503245.04 | 21318777.81 |
| Apigenin | 10488718.52 | 218569715.4 | 88442096.1 | 7170770.252 |
| Quercetin | 1959405.298 | 245258.1649 | 30324625.66 | 2154956.678 |
| Catechin | 6094896.089 | 134610.7141 | 17510475.5 | 220802.674 |
| Kaempferide | 221673.4047 | 111808.1264 | 536475.5273 | 115258.2345 |
| Cyanidin | 100254.9735 | 110052.5355 | 210944.2804 | 1302633.206 |
| Cyanidin O-rutinoside | 624023.115 | 958591.4951 | 473258.2506 | 462779.9752 |
| Procyanidin A3 | 5318090.321 | 3238302.426 | 2955689.644 | 4376581.981 |
| Procyanidin B2 | 700253.383 | 122794.2338 | 108290.8194 | 100756.8624 |

The relative quantitative value of metabolites was the peak area value of each characteristic peak. BQ: Gengyun Baoqin, green petiole; HXQ: Baigu Huangxinqin, yellow petiole; XBQ: Xuebaiqin, white petiole; ZQ: Gengyun Ziqin, purple petiole.