**Table S1 K-means clustering results of Chinese Cabbage leaves**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Actual grade | Number of samples | RGB | - | HSL | - | Multispectral |
| A | B | C | D | E | A | B | C | D | E | A | B | C | D | E |
| A | 9 | 9 | 0 | 0 | 0 | 0 |  | 8 | 1 | 0 | 0 | 0 |  | 8 | 1 | 0 | 0 | 0 |
| B | 29 | 2 | 25 | 2 | 0 | 0 |  | 1 | 25 | 2 | 1 | 0 |  | 0 | 27 | 2 | 0 | 0 |
| C | 35 | 0 | 5 | 25 | 5 | 0 |  | 0 | 3 | 31 | 1 | 0 |  | 0 | 3 | 31 | 1 | 0 |
| D | 33 | 0 | 0 | 4 | 24 | 5 |  | 0 | 0 | 6 | 26 | 1 |  | 0 | 0 | 5 | 27 | 1 |
| E | 14 | 0 | 0 | 1 | 3 | 10 |  | 0 | 0 | 0 | 1 | 13 |  | 0 | 0 | 0 | 0 | 14 |
| Count | 120 | 11 | 30 | 32 | 32 | 15 | 　 | 9 | 29 | 39 | 29 | 14 | 　 | 8 | 31 | 38 | 28 | 15 |