

**Table S5: Ascorbic acid content in flesh (mg/100 g FW) and peel (g /100 g DW) during 2016, 2017 and 2019.**

| <b>Ascorbic</b>   | <b>Flesh 2016</b> |           |              | <b>Peel 2016</b> |           |              | <b>Peel 2017</b> |           |              | <b>Peel 2019</b> |           |              |
|-------------------|-------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|
| <b>Genotype</b>   | <b>mean</b>       | <b>sd</b> | <b>Sign.</b> | <b>mean</b>      | <b>sd</b> | <b>Sign.</b> | <b>mean</b>      | <b>sd</b> | <b>Sign.</b> | <b>mean</b>      | <b>sd</b> | <b>Sign.</b> |
| <b>Goldrich</b>   | 10.36             | 0.74      | abc          | 178.29           | 25.03     | ef           | 139.29           | 5.77      | ab           | 66.84            | 3.06      | a            |
| <b>Canino</b>     | 9.40              | 0.90      | a            | 120.84           | 2.22      | abc          | 102.94           | 5.11      | a            | 122.70           | 20.48     | c            |
| <b>Mitger</b>     | 11.80             | 0.50      | abc          | 185.02           | 5.17      | f            | 174.60           | 3.57      | bc           | 105.83           | 0.86      | bc           |
| <b>Tadeo</b>      | 13.02             | 0.20      | bc           | 121.12           | 5.94      | abc          | 170.52           | 17.80     | bc           | 98.44            | 1.15      | bc           |
| <b>D. Rosa</b>    | 11.51             | 0.31      | abc          | 144.00           | 7.38      | bcde         | 161.95           | 18.18     | bc           | 93.84            | 8.89      | abc          |
| <b>D. Taronja</b> | 10.25             | 0.62      | abc          | 111.20           | 8.05      | ab           | 138.42           | 7.64      | ab           | 93.87            | 3.35      | abc          |
| <b>GG9310</b>     | 9.92              | 0.30      | ab           | 128.54           | 5.02      | abcd         | 139.13           | 14.10     | ab           | 102.64           | 19.00     | bc           |
| <b>GG979</b>      | 10.50             | 2.30      | abc          | 148.44           | 8.01      | bcdef        | 127.38           | 12.81     | a            | 109.38           | 4.51      | bc           |
| <b>GP9817</b>     | 11.97             | 0.83      | abc          | 111.61           | 25.39     | ab           | 140.26           | 9.36      | ab           | 93.66            | 0.76      | abc          |
| <b>HG9821</b>     | 13.08             | 0.29      | c            | 98.70            | 11.25     | a            | 192.43           | 8.53      | c            | 85.51            | 1.55      | ab           |
| <b>HG9850</b>     | 11.43             | 1.03      | abc          | 165.64           | 22.30     | def          | 192.82           | 2.25      | c            | 101.23           | 18.82     | bc           |
| <b>HM964</b>      | 9.57              | 0.19      | a            | 159.49           | 1.71      | cdef         | 177.65           | 15.68     | c            | 165.16           | 3.35      | d            |
| <b>SEOP934</b>    | 9.11              | 1.86      | a            | 137.78           | 2.14      | abcde        | 175.55           | 10.83     | bc           | 90.72            | 0.71      | ab           |
| <b>MAX</b>        | 13.08             |           |              | 185.02           |           |              | 192.82           |           |              | 165.16           |           |              |
| <b>MIN</b>        | 9.11              |           |              | 98.70            |           |              | 102.94           |           |              | 66.84            |           |              |