Table S1: Individual and total phenolic contents of pungent cultivar ‘Eris F1’ before (**A**) and after storage (**B**) (mg $kg^{-1}$; mean ± SE; n = 15) infested with *H. halys*.

| **A** | Pungent ‘Eris F1’ | | | | | |
|---|---|---|---|---|---|---|
| | Pericarp | | | Placenta | | |
| | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| 5-Caffeoxlquinic a. ♦ | 0.9 ± 0.0 | 0.9 ± 0.0 | 0.9 ± 0.0 | 1.9 ± 0.1 | 1.9 ± 0.1 | 2.0 ± 0.2 |
| **Hydroxycinnamic a. ♦** | **0.9 ± 0.0** | **0.9 ± 0.0** | **0.9 ± 0.0** | **1.9 ± 0.1** | **1.9 ± 0.1** | **2.0 ± 0.2** |
| L. 6-C-hexoside-8-C-pentoside 2 | 147.4 ± 23.5 | 121.4 ± 4.3 | 148.4 ± 4.1 | / | / | / |
| L. 6-C-pentoside-8-C-hexoside 2 | 67.5 ± 8.5 | 56.6 ± 1.4 | 88.7 ± 2.4 | / | / | / |
| L.-6-C-hexoside | 14.2 ± 2.2 | 15.2 ± 0.1 | 18.2 ± 0.8 | 41.2 ± 0.8 | 51.5 ± 1.6 | 55.2 ± 0.8 |
| L.-8-C-hexoside | 26.3 ± 6.6 | 30.4 ± 0.5 | 32.7 ± 0.9 | 67.4 ± 1.2 | 69.4 ± 2.0 | 85.3 ± 1.9 |
| L.-7-O-(2-apiosyl-6-acetyl) hexoside | 24.6 ± 2.2 | 30.7 ± 0.4 | 33.2 ± 0.9 | 41.1 ± 0.5 a | 23.3 ± 0.3 b | 43.4 ± 0.3 a |
| L.-7-O-(2-apiosyl-6-malonyl) hexoside | 61.4 ± 3.4 | 74.4 ± 1.2 | 105.4 ± 3.1 | 110.3 ± 0.8 b | 155.2 ± 0.6 a | 123.2 ± 0.7 b |
| L. 6,8-di-C-hexoside | 29.2 ± 6.0 b[i] | 75.8 ± 1.7 a | 38.4 ± 0.4 b | 1120.4 ± 157.7 | 945.5 ± 111.4 | 1090.4 ± 71.9 |
| C. 7-O-(2-apiosyl-6-acetyl)glucoside | 173.4 ± 22.0 | 150.5 ± 5.0 | 242.2 ± 9.6 | 82.5 ± 1.6 | 45.4 ± 0.9 | 60.2 ± 0.7 |
| A. 6-C-hexoside-8-C-pentoside 1 | 23.2 ± 3.0 | 39.4 ± 0.5 | 21.7 ± 0.6 | 71.1 ± 1.0 | 61.2 ± 0.7 | 114.6 ± 1.9 |
| A. 6-C-hexoside-8-C-pentoside 2 | 14.6 ± 2.0 | 18.8 ± 0.1 | 20.1 ± 0.7 | 31.2 ± 0.3 | 38.4 ± 0.7 | 42.1 ± 0.7 |
| A. 6-C-pentoside-8-C-hexoside | 147.2 ± 1.6 | 141.4 ± 4.0 | 175.4 ± 4.1 | 19.5 ± 0.3 | 21.2 ± 1.2 | 40.5 ± 1.0 |
| A. 6,8 di-C-hexoside | 43.4 ± 0.4 | 52.2 ± 1.2 | 69.3 ± 2.0 | 36.2 ± 0.3 | 37.5 ± 0.5 | 36.2 ± 0.4 |
| **Flavone ♦** | **0.7 ± 0.1** | **0.8 ± 0.2** | **0.6 ± 0.0** | **1.4 ± 0.2** | **1.4 ± 0.2** | **1.7 ± 0.2** |
| Q.-3-O-rhamnoside-7-O-hexoside | 4.2 ± 0.0 | 20.2 ± 0.7 | 7.3 ± 0.1 | 59.1 ± 1.2 | 69.2 ± 1.0 | 111.7 ± 4.4 |
| Q.-3-O-rhamnoside | 8.4 ± 0.1 | 14.4 ± 0.6 | 27.2 ± 1.4 | 5.4 ± 0.1 | 10.4 ± 0.3 | 9.1 ± 0.4 |
| Q.-3-O-glucoside | 9.3 ± 0.1 | 11.2 ± 0.1 | 14.6 ± 0.8 | 7.6 ± 0.0 | 8.2 ± 0.2 | 9.2 ± 0.1 |
| **Flavonols** | **20.4 ± 0.3** | **50.4 ± 1.7** | **18.2 ± 0.2** | **54.2 ± 0.2** | **88.4 ± 7.0** | **100.3 ± 5.8** |
| **Total analyzed per fruit part ♦** | **1.6 ± 0.1** | **1.7 ± 0.2** | **1.5 ± 0.1.** | **3.3 ± 0.2** | **3.4 ± 0.2** | **3.8 ± 0.1** |
| **Total analyzed whole fruit ♦** | **1.4 ± 0.0** | **1.5 ± 0.1** | **1.3 ± 0.1** | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **TPC ♦** | **11.4 ± 0.7** | **12.5 ± 0.4** | **11.6 ± 0.9** | **14.6 ± 0.7** | **10.7 ± 0.6** | **11.6 ± 1.0** |

[i] a,b different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

♦ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined

# B

| | Pungent 'Eris F1' after storage | | | | | |
|---|---|---|---|---|---|---|
| | Pericarp | | | Placenta | | |
| | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| 5-Caffeoxlquinic a. ♦ | 0.8 ± 0.0 | 0.9 ± 0.0 | 0.8 ± 0.0 | 1.9 ± 0.2 | 1.7 ± 0.0 | 1.9 ± 0.1 |
| **Hydroxycinnamic a. ♦** | **0.8 ± 0.0** | **0.9 ± 0.0** | **0.8 ± 0.0** | **1.9 ± 0.2** | **1.7 ± 0.0** | **1.9 ± 0.1** |
| L. 6-C-hexoside-8-C-pentoside 2 | 111.6 ± 12.2 | 90.1 ± 10.0 | 131.4 ± 20.1 | / | / | / |
| L. 6-C-pentoside-8-C-hexoside 2 | 41.8 ± 3.0 | 29.4 ± 1.9 | 42.1 ± 1.3 | / | / | / |
| L.-6-C-hexoside | 15.8 ± 2.7 b[i] | 36.3 ± 6.0 a | 17.3 ± 4.0 b | 38.1 ± 1.0 | 25.7 ± 0.5 | 33.2 ± 0.7 |
| L.-8-C-hexoside | 35.6 ± 0.6 | 47.1 ± 1.0 | 30.4 ± 0.6 | 87.3 ± 2.8 | 74.1 ± 1.3 | 86.6 ± 1.2 |
| L.-7-O-(2-apiosyl-6-acetyl) hexoside | 26.4 ± 0.4 | 24.7 ± 0.2 | 20.2 ± 0.2 | 33.1 ± 0.7 | 24.5 ± 0.1 | 27.1 ± 0.1 |
| L.-7-O-(2-apiosyl-6-malonyl) hexoside | 76.2 ± 0.6 | 59.2 ± 0.4 | 69.4 ± 0.7 | 137.3 ± 1.3 | 129.3 ± 0.6 | 143.2 ± 11.0 |
| L. 6,8-di-C-hexoside | 72.4 ± 0.3 b | 203.5 ± 17.9 a | 85.2 ± 0.4 b | 218.5 ± 30.0 | 174.1 ± 12.7 | 213.5 ± 18.0 |
| C. 7-O-(2-apiosyl-6-acetyl)glucoside | 78.6 ± 1.4 | 78.2 ± 0.7 | 89.4 ± 2.5 | 38.3 ± 1.0 | 41.2 ± 1.0 | 85.2 ± 1.4 |
| A. 6-C-hexoside-8-C-pentoside 1 | 42.2 ± 0.8 | 55.4 ± 0.8 | 60.2 ± 2.2 | 91.7 ± 5.3 | 69.6 ± 1.8 | 93.7 ± 1.5 |
| A. 6-C-hexoside-8-C-pentoside 2 | 15.3 ± 0.1 | 11.3 ± 0.1 | 10.6 ± 0.3 | 29.2 ± 0.4 | 25.4 ± 0.3 | 34.2 ± 0.5 |
| A. 6-C-pentoside-8-C-hexoside | 125.6 ± 2.3 | 129.1 ± 0.7 | 123.2 ± 2.8 | 39.4 ± 0.4 | 40.3 ± 0.9 | 40.4 ± 0.2 |
| A. 6,8 di-C-hexoside | 47.3 ± 1.0 | 36.5 ± 0.2 | 32.3 ± 0.7 | 32.6 ± 0.4 | 22.1 ± 0.2 | 29.1 ± 0.2 |
| **Flavone ♦** | **0.7 ± 0.0** | **0.8 ± 0.0** | **0.6 ± 0.1** | **0.6 ± 0.1** | **0.5 ± 0.1** | **0.6 ± 0.0** |
| Q.-3-O-rhamnoside-7-O-hexoside | 8.3 ± 0.0 | 9.3 ± 0.1 | 8.7 ± 0.0 | 43.6 ± 0.9 | 33.4 ± 0.4 | 40.4 ± 0.4 |
| Q.-3-O-rhamnoside | 14.2 ± 0.2 a | 4.5 ± 0.2 b | 9.3 ± 0.1 ab | 5.2 ± 0.0 | 7.2 ± 0.0 | 4.1 ± 0.0 |
| Q.-3-O-glucoside | 6.7 ± 0.3 a | 5.3 ± 0.1 a | 6.6 ± 0.1 a | 4.5 ± 0.1 | 4.6 ± 0.0 | 4.2 ± 0.0 |
| **Flavonols** | **28.1 ± 0.5** | **17.4 ± 0.2** | **23.2 ± 3.0** | **49.4 ± 3.8** | **42.2 ± 4.0** | **45.4 ± 5.1** |
| **Total analyzed per fruit part ♦** | **1.5 ± 0.0** | **1.6 ± 0.0** | **1.5 ± 0.1** | **2.6 ± 0.2** | **2.2± 0.1** | **2.6 ± 0.1** |
| **Total analyzed whole fruit ♦** | **1.2 ± 0.0** | **1.4 ± 0.1** | **1.3 ± 0.1** | | | |
| **TPC ♦** | **11.2 ± 0.9** | **10.3 ± 0.9** | **9.1 ± 0.5** | **10.9 ± 0.5** | **7.9 ± 0.6** | **8.8 ± 0.3** |

[i] a,b different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

◆ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined

Table S2: Individual and total phenolic contents of non-pungent cultivar ‘Lombardo tago’ before (**A**) and after storage (**B**) (mg $kg^{-1}$; mean ± SE; n = 15) infested with *H. halys*.

| **A** | Non-pungent ‘Lombardo tago’ | | | | | |
|---|---|---|---|---|---|---|
| | Pericarp | | | Placenta | | |
| | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| 5-Caffeoxlquinic a. ♦ | 0.8 ± 0.0 | 0.9 ± 0.0 | 0.9 ± 0.0 | 2.4 ± 0.1 | 2.1 ± 0.1 | 2.2 ± 0.0 |
| **Hydroxycinnamic a. ♦** | **0.8 ± 0.0** | **0.9 ± 0.0** | **0.9 ± 0.0** | **2.4 ± 0.1** | **2.1 ± 0.1** | **2.2 ± 0.0** |
| L. 6-C-hexoside-8-C-pentoside 2 | 15.6 ± 0.2 b[i] | 32.5 ± 0.8 a | 14.2 ± 0.3 b | / | / | / |
| L. 6-C-pentoside-8-C-hexoside 2 | 8.2 ± 0.1 | 14.4 ± 0.4 | 10.7 ± 0.1 | / | / | / |
| L.-6-C-hexoside | 23.4 ± 0.4 | 37.4 ± 0.6 | 30.8 ± 0.4 | 164.2 ± 3.9 | 110.6 ± 2.0 | 138.2 ± 1.7 |
| L.-8-C-hexoside | 42.5 ± 1.0 | 64.2 ± 1.1 | 59. ± 1.0 | 216.5 ± 4.3 a | 70.3 ± 0.8 b | 72.8 ± 1.4 b |
| L.-7-O-(2-apiosyl-6-acetyl) hexoside | 17.1 ± 0.1 | 25.4 ± 0.6 | 18.6 ± 0.3 | 45.6 ± 0.9 | 31.6 ± 0.7 | 28.9 ± 1.4 |
| L.-7-O-(2-apiosyl-6-malonyl) hexoside | 66.4 ± 0.9 | 77.2 ± 1.4 | 70.4 ± 0.4 | 127. 2± 1.4 | 122.3 ± 2.3 | 163.2 ± 4.1 |
| L. 6,8-di-C-hexoside | 84.6 ± 0.2 | 98.5 ± 0.3 | 92.2 ± 0.6 | 571.5 ± 5.1 | 718.1 ± 10.8 | 739.5 ± 12.4 |
| C. 7-O-(2-apiosyl-6-acetyl) glucoside | 86.2 ± 1.3 b | 177.2 ± 3.6 a | 108.3 ± 2.0 b | 68.3 ± 1.1 | 50.5 ± 1.4 | 43.5 ± 1.3 |
| A. 6-C-hexoside-8-C-pentoside 1 | 42.6 ± 0.1 b | 58.3 ± 0.8 a | 45.5 ± 0.5 b | 182.8 ± 3.2 | 121.4 ± 1.5 | 131.2 ± 1.9 |
| A. 6-C-hexoside-8-C-pentoside 2 | 11.2 ± 0.4 | 21.4 ± 0.2 | 22.6 ± 0.3 | 52.1 ± 1.0 | 53.2 ± 1.1 | 41.4 ± 0.7 |
| A. 6-C-pentoside-8-C-hexoside | 22.5 ± 0.3 | 45.4 ± 0.8 | 34.8 ± 0.3 | 31.9 ± 0.9 | 30.7 ± 0.3 | 32.1 ± 0.1 |
| A. 6,8 di-C-hexoside | 9.1 ± 0.0b | 22.5 ± 0.4a | 14.4 ± 0.2b | 46.0 ± 1.1 | 41.3 ± 0.7 | 39.8 ± 1.4 |
| **Flavone ♦** | **0.3 ± 5.6 b** | **0.7 ± 10.6 a** | **0.5 ± 6.4 b** | **1.4 ± 0.0 a** | **1.2 ± 0.0 b** | **1.1 ± 0.0 b** |
| Q.-3-O-rhamnoside-7-O-hexoside | 22.5 ± 0.3 | 44.3 ± 1.2 | 39.4 ± 1.0 | 32.5. ± 5.0 | 22.9. ± 6.2 | 272.4 ± 11.4 |
| Q.-3-O-rhamnoside | 6.3 ± 0.1 | 8.3 ± 0.1 | 8.3 ± 0.1 | 13.2 ± 0.7 | 9.5 ± 0.2 | 11.2 ± 0.5 |
| Q.-3-O-glucoside | 2.6 ± 0.1 | 4.2 ± 0.1 | 2.8 ± 0.0 | 6.3 ± 0.1 | 3.1 ± 0.0 | 12.3 ± 0.3 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Flavonols** | **28.3 ± 0.4 b** | **69.5 ± 1.7 a** | **43.9 ± 1.0 ab** | **338. 2 ± 5.3 a** | **216.4 ± 5.6 b** | **173.6 ± 3.6 b** |
| **Total analyzed per fruit part ♦** | **1.2 ± 0.1 b** | **1.7 ± 0.1 a** | **1.4 ± 0.0 b** | **4.1 ± 0.1 a** | **3.6 ± 0.1 b** | **3.5 ± 0.1 b** |
| **Total analyzed whole fruit ♦** | **1.2 ± 0.1 b** | **1.5 ± 0.1 a** | **1.3 ± 0.1 b** | | | |
| **TPC ♦** | **11.2 ± 0.9 b** | **13.1 ± 0.7 a** | **11.5 ± 0.6 b** | **12.7 ± 0.6 a** | **11.7 ± 0.6 b** | **10.1 ± 0.7 b** |

[i]a,b different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

♦ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined

| **B** | Non-pungent 'Lombardo tago' after storage | | | | | |
|---|---|---|---|---|---|---|
| | Pericarp | | | Placenta | | |
| | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| 5-Caffeoxlquinic a. ♦ | 0.8 ± 0.0 | 0.8 ± 0.0 | 0.8 ± 0.0 | 1.6 ± 0.0 | 1.9 ± 0.0 | 1.8 ± 0.0 |
| **Hydroxycinnamic a. ♦** | **0.8 ± 0.0** | **0.8 ± 0.0** | **0.8 ± 0.0** | **1.6 ± 0.0** | **1.9 ± 0.0** | **1.8 ± 0.0** |
| L. 6-C-hexoside-8-C-pentoside 2 | 19.2 ± 0.3 | 20.2 ± 1.0 | 21.9 ± 0.5 | / | / | / |
| L. 6-C-pentoside-8-C-hexoside 2 | 7.5 ± 0.1 | 9.5 ± 0.1 | 11.2 ± 0.1 | / | / | / |
| L.-6-C-hexoside | 10.4 ± 0.1 b[i] | 23.4 ± 0.1 a | 12.5 ± 0.2 b | 44.8 ± 0.4 | 30.8 ± 0.5 | 39.5 ± 0.4 |
| L.-8-C-hexoside | 25.8 ± 0.3 b | 58.2 ± 0.7 a | 52.2 ± 0.6 a | 74.5 ± 2.2 | 102.4 ± 1.3 | 101.2 ± 2.2 |
| L.-7-O-(2-apiosyl-6-acetyl) hexoside | 15.2 ± 0.1 | 22.0 ± 0.6 | 13.3 ± 0.3 | 19.2 ± 0.2 b | 37.6 ± 0.3 a | 28.7 ± 0.6 ab |
| L.-7-O-(2-apiosyl-6-malonyl) hexoside | 83.5 ± 0.9 a | 62.5 ± 0.4 b | 47.7 ± 0.5 b | 136.4 ± 1.8 | 169.2 ± 1.0 | 152.8 ± 1.4 |
| L. 6,8-di-C-hexoside | 60.9 ± 0.2 b | 78.3 ± 0.4 a | 67.2 ± 0.2 b | 193.7 ± 3.0 | 176.5 ± 1.5 | 185.9 ± 2.0 |
| C. 7-O-(2-apiosyl-6-acetyl) glucoside | 84.7 ± 2.5 | 1084.5 ± 2.0 | 96.0 ± 0.5 | 32.3 ± 0.8 | 23.8 ± 0.9 | 25.2 ± 0.7 |
| A. 6-C-hexoside-8-C-pentoside 1 | 22.5 ± 0.2 b | 51.5 ± 0.2 a | 42.0 ± 0.3 a | 73.2 ± 1.2 | 101.5 ± 1.4 | 120.4 ± 0.8 |
| A. 6-C-hexoside-8-C-pentoside 2 | 13.2 ± 0.2 b | 22.3 ± 0.2 a | 18.8 ± 0.1 b | 30.7 ± 0.6 | 38.2 ± 0.5 | 40.2 ± 0.8 |
| A. 6-C-pentoside-8-C-hexoside | 21.6 ± 0.3 b | 38.8 ± 0.5 a | 29.4 ± 0.3 b | 18.1 ± 0.3 b | 31.8 ± 0.4 a | 38.6 ± 0.4 a |
| A. 6,8 di-C-hexoside | 6.5 ± 0.0 | 14.3 ± 0.1 | 11.6 ± 0.1 | 16.5 ± 0.2 | 26.4 ± 0.6 | 21.3 ± 0.3 |
| **Flavone ♦** | **0.3 ± 4.3 b** | **0.5 ± 4.6 a** | **0.3 ± 3.8 b** | **6.3 ± 8.4** | **7.4 ± 7.0** | **7.7 ± 3.2** |
| Q.-3-O-rhamnoside-7-O-hexoside | 15.6 ± 0.2 b | 31.6 ± 0.2 a | 33.1 ± 0.5 a | 108.5 ± 6.4 | 188.0 ± 3.9 | 170.4 ± 4.0 |
| Q.-3-O-rhamnoside | 4.3 ± 0.1 | 31.4 ± 0.2 | 9.6 ± 0.1 | 10.6 ± 0.2 | 19.4 ± 0.3 | 9.3 ± 0.4 |
| Q.-3-O-glucoside | 1.5 ± 0.0 | 1.2 ± 0.0 | 1.3 ± 0.0 | 7.4 ± 0.1 | 9.3 ± 0.3 | 4.4 ± 0.1 |
| **Flavonols** | **19.2 ± 0.1 b** | **40.3 ± 0.5 a** | **36.8 ± 0.4 ab** | **110.7 ± 6.3** | **216.5 ± 4.5** | **208.2 ± 4.0** |
| **Total analyzed per fruit part ♦** | **1.1 ± 0.0 b** | **1.3 ± 0.0 a** | **1.2 ± 0.1 b** | **2.4 ± 0.3** | **2.9 ± 0.2** | **2.9 ± 0.1** |
| **Total analyzed whole fruit ♦** | **1.0 ± 0.0 b** | **1.2 ± 0.0 a** | **1.0 ± 0.0 b** | | | |
| **TPC ♦** | **8.6 ± 0.9 b** | **11.0 ± 0.5 a** | **11.2 ± 0.6 a** | **7.4 ± 0.6** | **8.7 ± 0.8** | **7.4 ± 0.9** |

[i] a,b different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

◆ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined

Table S3: Individual and total capsaicinoid contents before and after storage of pungent 'Eris F1' (**A**) and non-pungent 'Lombardo tago' (**B**) (mg $kg^{-1}$; mean ± SE; n = 15) infested with *H. halys*.

| **A** | | | Before storage | | | After storage | | |
|---|---|---|---|---|---|---|---|---|
| | | | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| Pungent 'Eris F1' | Pericarp | Capsaicin | 494.3 ± 11.0 c[i] | 694.7 ± 35.4 a | 208.1 ± 7.8 b | 131.3 ± 2.3 c | 465.5 ± 5.8 a | 190.6 ± 9.1 b |
| | | Dihydrocapsaicin | 99.2 ± 1.3 c | 170.7 ± 10.4 a | 64.8 ± 5.9 b | 42.4 ± 1.2 c | 101.9 ± 1.0 a | 44.4 ± 1.2 b |
| | | Nordihydrocapsaicin | 12.6 ± 0.1 c | 39.1 ± 2.2 a | 14.4 ± 5.7 b | 7.5 ± 0.2 b | 13.3 ± 2.4 a | 10.3 ± 2.9 ab |
| | | Homocapsaicin | 9.3 ± 0.1 c | 24.3 ± 1.7 a | 6.1 ± 2.0 b | 8.3 ± 0.1 b | 8.6 ± 1.8 a | 5.7 ± 1.2 ab |
| | | Homodihydrocapsaicin | 10.9 ± 0.1 c | 32.6 ± 2. 1a | 10.7 ± 4.2 b | 5.4 ± 0.3 b | 12.9 ± 3.3 a | 8.1 ± 2.7 ab |
| | | **Total capsaicinoids ♦** | **0.6 ± 1.1 c** | **9.6 ± 2.6 a** | **3.0 ± 1.5 b** | **0.2 ± 0.0 c** | **6.0 ± 0.1 a** | **2.6 ± 0.2 b** |
| | Placenta | Capsaicin ♦ | 16.1 ± 0. 3ab | 26.0 ± 0.4 a | 8.3 ± 0.3 b | 2.7 ± 0.1 ab | 1.4 ± 0.1 b | 3.0 ± 0.0 a |
| | | Dihydrocapsaicin♦ | 4.5 ± 0.0 ab | 6.9 ± 0.0 a | 2.3 ± 0.0 b | 0.7 ± 0.0 | 0.3 ± 0.0 | 0.8 ± 0.0 |
| | | Nordihydrocapsaicin♦ | 0.9 ± 0.0 ab | 1.5 ± 0.0 a | 0.5 ± 0.0 b | 0.1 ± 0.0 | 0.0 ± 0.0 | 0.1 ± 0.0 |
| | | Homocapsaicin♦ | 0.6 ± 0.0 ab | 1.2 ± 0.0 a | 0.2 ± 0.0 b | 0.1 ± 0.0 | 0.1 ± 0.0 | 0.2 ± 0.0 |
| | | Homodihydrocapsaicin♦ | 0.9 ± 0.0 b | 1.7 ± 0.0 a | 0.4 ± 0.0 b | 0.3 ± 0.0 | 0.1 ± 0.0 | 0.4 ± 0.0 |
| | | **Total capsaicinoids ♦** | **23.2 ± 0.3 b** | **37.2 ± 0.5 a** | **11.9 ± 0.1 c** | **4.1 ± 0.2 a** | **2.0 ± 0.0 b** | **4.7 ± 0.1 a** |

[i] a, b, c different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

♦ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined

| **B** | | | Before storage | | | After storage | | |
|---|---|---|---|---|---|---|---|---|
| | | | Control | *H. halys* | Control 2 | Control | *H. halys* | Control 2 |
| Non-pungent 'Lombardo tago' | Pericarp | Capsaicin | 129.6 ± 7.1 b[i] | 604.4 ± 3.2 ab | 828. ± 1.7 a | 8.7 ± 0.3 a | 3.2 ± 0.1 b | 3.1 ± 0.0 b |
| | | Dihydrocapsaicin | 23.2 ± 1.1 b | 1028.3 ± 6.6 a | 131.4 ± 9.1 a | 1.1 ± 0.0 | 1.2 ± 0.0 | 1.1 ± 0.0 |
| | | Nordihydrocapsaicin | 4.7 ± 0.0 b | 13.6 ± 0.6 a | 10.3 ± 0.4 ab | < 0.0 | < 0.0 | < 0.0 |
| | | Homocapsaicin | 3.3 ± 0.1 b | 45.4 ± 0.9 a | 7.7 ± 0.3 b | < 0.0 | < 0.0 | < 0.0 |
| | | Homodihydrocapsaicin | 2.3 ± 0.1 b | 17.8 ± 1.1 a | 9.3 ± 0.4 a | < 0.0 | < 0.0 | < 0.0 |
| | | **Total capsaicinoids ♦** | **1.8 ± 1.7 b** | **7.7 ± 5.5 a** | **9.9 ± 2.1 a** | **0.1 ± 0.4 a** | **0.0 ± 0.0 b** | **0.0 ± 0.0 b** |
| | Placenta | Capsaicin | 1109. ± 6.3 b | 331.4. ± 1.9 a | 805.5 ± 2.8 b | 15.2 ± 0.4 | 10.6 ± 0.1 | 16.3 ± 0.5 |
| | | Dihydrocapsaicin | 191.3 ± 0.4 b | 525.4 ± 4.0 a | 157.2 ± 8.6 b | 2.6 ± 0.0 | 2.2 ± 0.0 | 2.2 ± 0.0 |
| | | Nordihydrocapsaicin | 23.7 ± 0.4 ab | 34.3 ± 0.5 a | 13.4 ± 0.1 b | < 0.0 | < 0.0 | < 0.0 |
| | | Homocapsaicin | 41.2 ± 1.5 b | 91.4 ± 3.3 a | 27.6 ± 0.5 b | < 0.0 | < 0.0 | < 0.0 |
| | | Homodihydrocapsaicin | 26.7 ± 0.6 b | 46.3 ± 1.0 a | 12.4 ± 0.2 b | < 0.0 | < 0.0 | < 0.0 |
| | | **Total capsaicinoids ♦** | **1.4 ± 0.1 b** | **4.0 ± 0.2 a** | **1.0 ± 0.0 b** | **0.2 ± 0.0** | **0.1 ± 0.0** | **0.2 ± 0.0** |

[i] a, b, c different letters denote statistical significant differences ($\alpha \leq 0.05$) among treatments in the same cultivar and fruit part

♦ Symbol indicates data in g $kg^{-1}$

/ Symbol indicates that the substance could not be determined