

blue popping maize

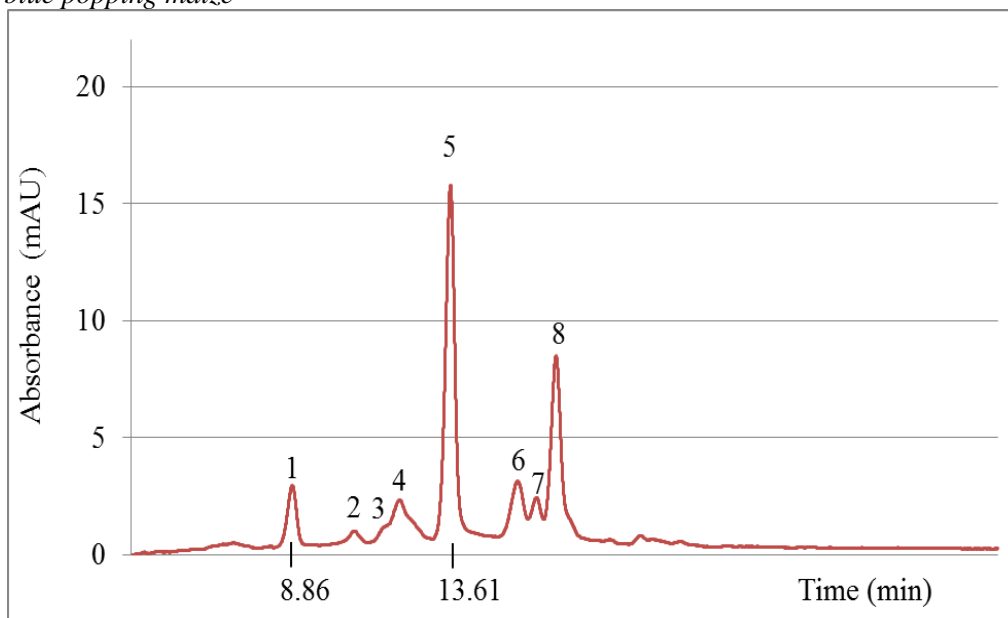


Figure S1. Chromatogram at 530 nm corresponding to blue popping maize. The peak numbers show the major anthocyanins that are identified in Table S1.

Table S1. Anthocyanins composition in grains of blue popping maize. Chromatographic characteristics of peaks in Figure S1.

| Peak | tr (min) | Area (%) (535) | [M ⁺] (m/z) | MS/MS (m/z) | Identity |
|------|-------------|-------------------|----------------------------|----------------|---|
| 1 | 8.87 | 6.68 | 449 | 287 | Cyanidin 3-glucoside |
| 2 | 10.73 | 1.40 | 433 | 271 | Pelargonidin 3-glucoside |
| 3 | 11.70 | 1.74 | 463 | 301 | Peonidin 3-glucoside |
| 4 | 12.08 | 6.14 | 535 | 287 | Cyanidin 3-(3'-malonylglucoside) ¹ |
| 5 | 13.61 | 41.01 | 535 | 287 | Cyanidin 3-(6'-malonylglucoside) ¹ |
| 6 | 15.63 | 9.73 | 621 | 438/287 | Cyanidin 3-(dimalonyl-β-glucoside) ² |
| | 15.71 | trace | 519 | 303 | Pelargonidin 3-(6'-malonylglucoside) |
| 7 | 16.19 | 5.00 | 621 | 438/287 | Cyanidin 3-(dimalonyl-β-glucoside) ² |
| | 16.60 | trace | 549 | 301 | Peonidin 3-(6'-malonylglucoside) |
| 8 | 16.77 | 23.06 | 621 | 438/287 | Cyanidin 3-(dimalonyl-β-glucoside) ² |

¹⁻²Compounds with identical m/z ratio within superscript.