



Pharmaceutical Crops

Supplementary Material

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DOI: 10.2174/2210290601606010013



Assessment of Chemopreventive Contents of Native American Juneberries (*Amelanchier alnifolia* (Nutt.) Nutt. ex M. Roem.)

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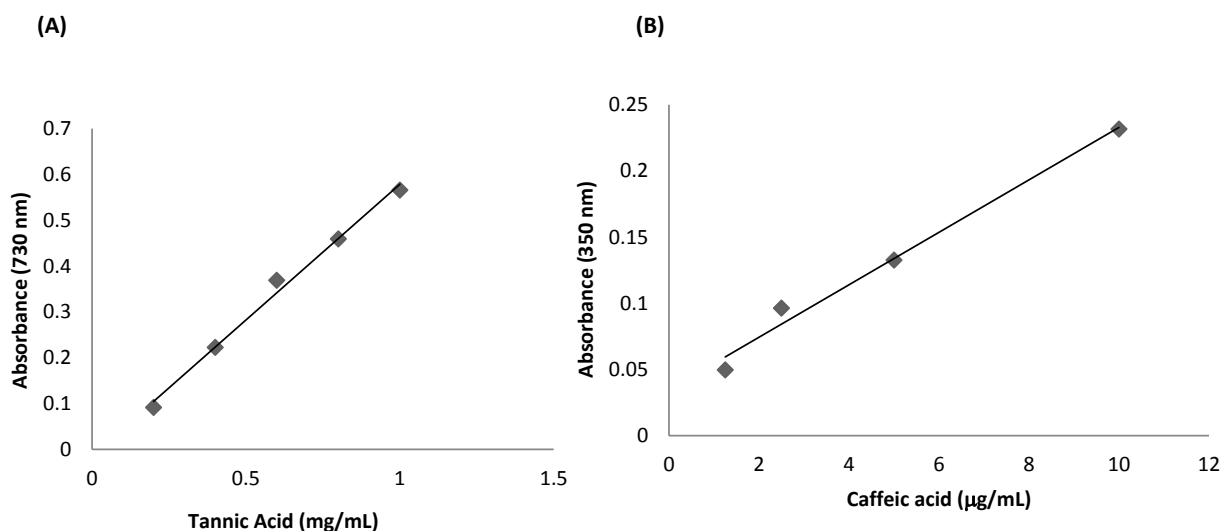


Fig. (S. 1). (A) Linear regression fit of total phenolic content for tannic acid ($R^2 = 0.9923$); data shown are obtained from 5 triplicate absorbance determinations. (B) Linear regression fit of orthophenolic content for caffeic acid standard curve ($R^2 = 0.9863$); shown are obtained from 4 triplicate absorbance determinations.

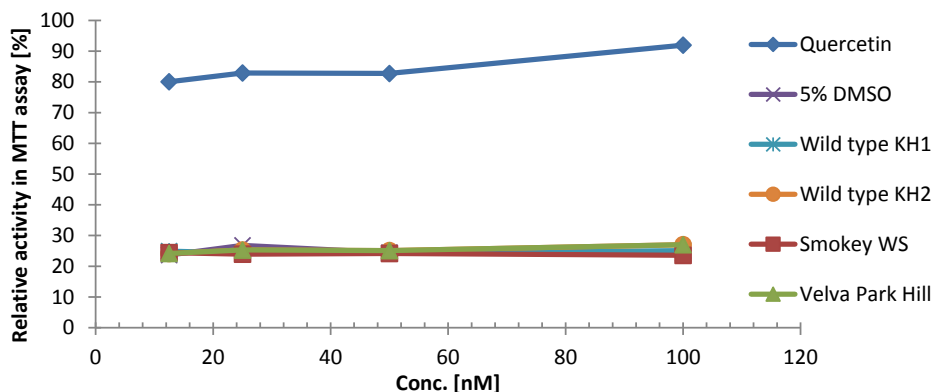


Fig. (S. 2). Cytoprotection with 100 µg juneberry extract of wild type KH1, KH2, Smokey WS, Velva Park Hill, quercetin, and 5% DMSO against TBHP in HepG2 cells.

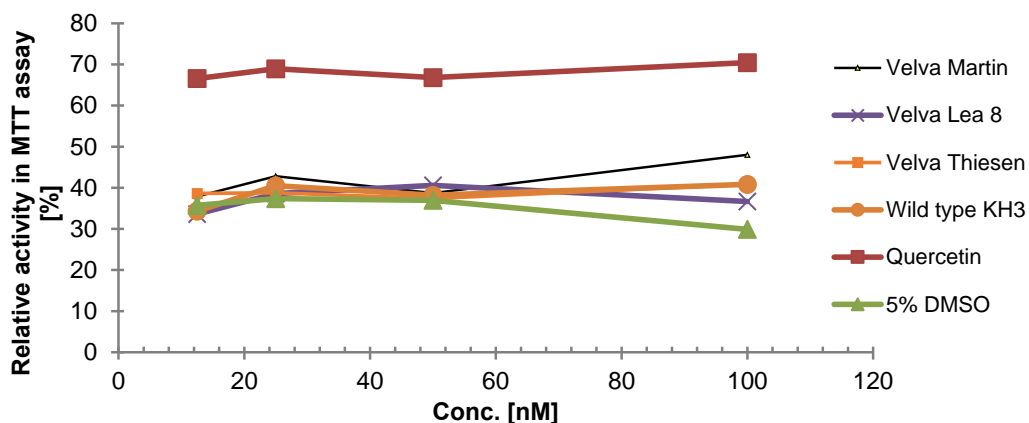


Fig. (S). (3). Cytoprotection with 100 µg juneberry extract of Velva Martin, Velva Lea 8, Velva Thiesen, wild type KH3, quercetin, and 5% DMSO against TBHP in HepG2 cells.

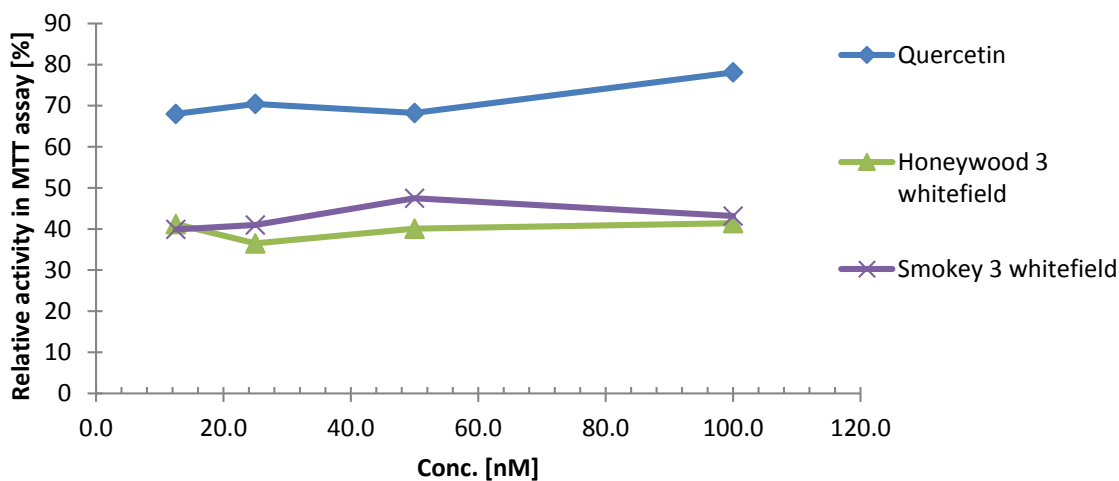


Fig. (S). (4). Cytoprotection with 100 µg juneberry extract of Honeywood 3 Whitefield, Smokey 3 Whitefield, and quercetin against TBHP in HepG2 cells.

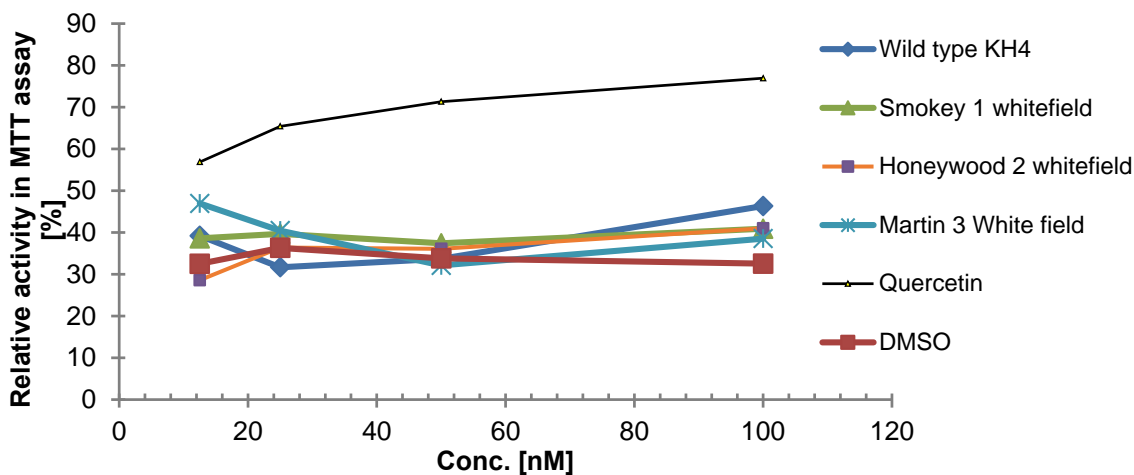


Fig. (S). (5). Cytoprotection with 100 µg juneberry extract of Wild type KH4, Smokey 1 Whitefield, Honeywood 2 Whitefield, Martin 3 Whitefield, quercetin, and 5% DMSO against TBHP in HepG2 cells.

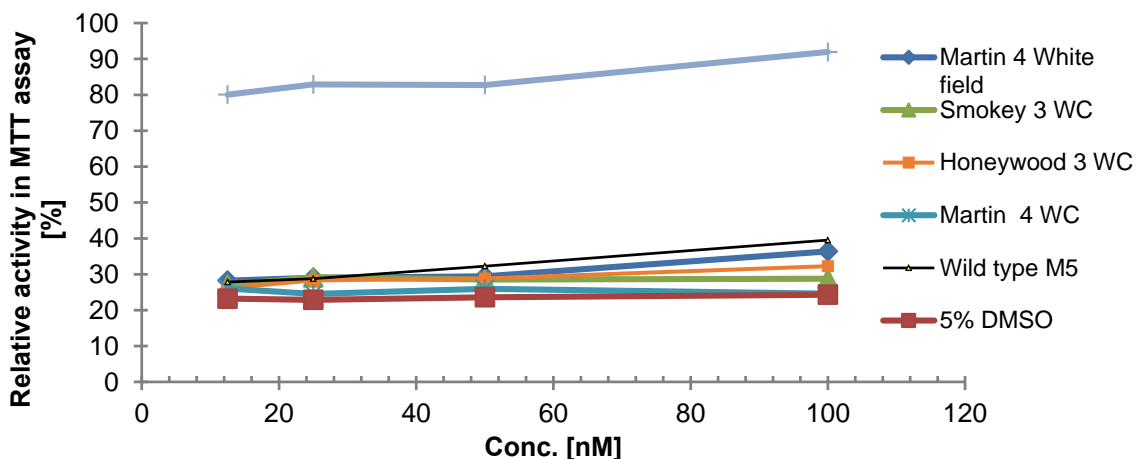


Fig. (S). (6). Cytoprotection with 100 µg juneberry extract of Martin 4 Whitefield, Smokey 3 WC, Honeywood 3 WC, Martin 4 WC and wild type M5, quercetin, and 5% DMSO against TBHP in HepG2 cells.

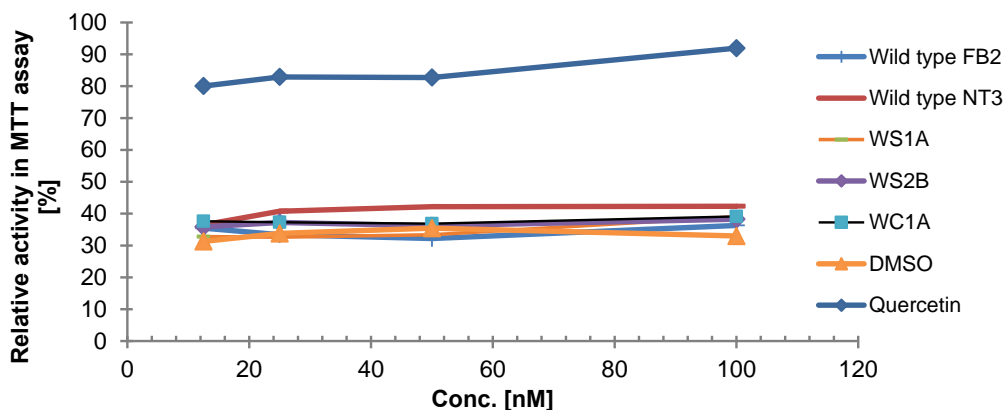


Fig. (S). (7). Cytoprotection with 100 µg juneberry extract of Wild type FB2, Wild type NT3, WS1A, WS2B, WC1A, quercetin, and 5% DMSO against TBHP in HepG2 cells.

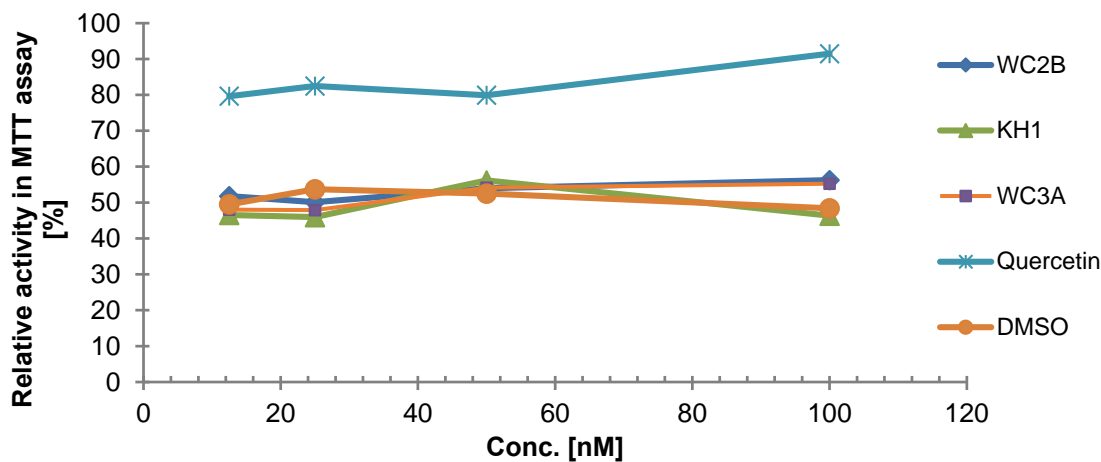


Fig. (S). (8). Cytoprotection with 100 µg juneberry extract of WC2B, KH1, WC3A, quercetin, and 5% DMSO against TBHP in HepG2 cells.

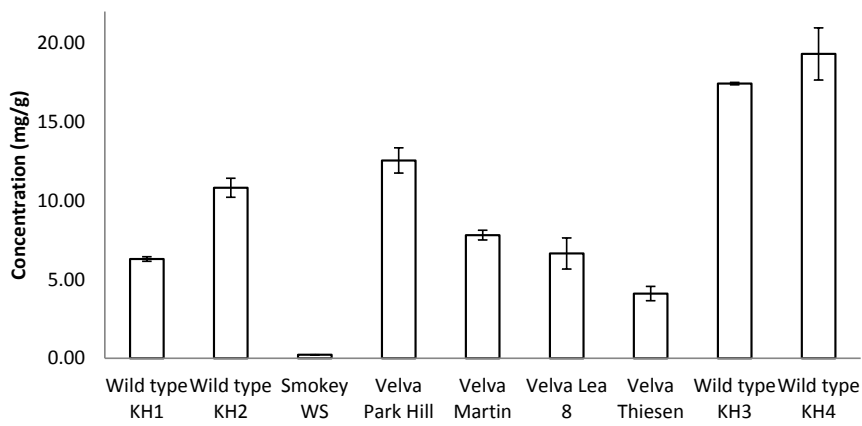


Fig. (S). (9). Total phenolic content in juneberry extracts of 2012 in TAE.

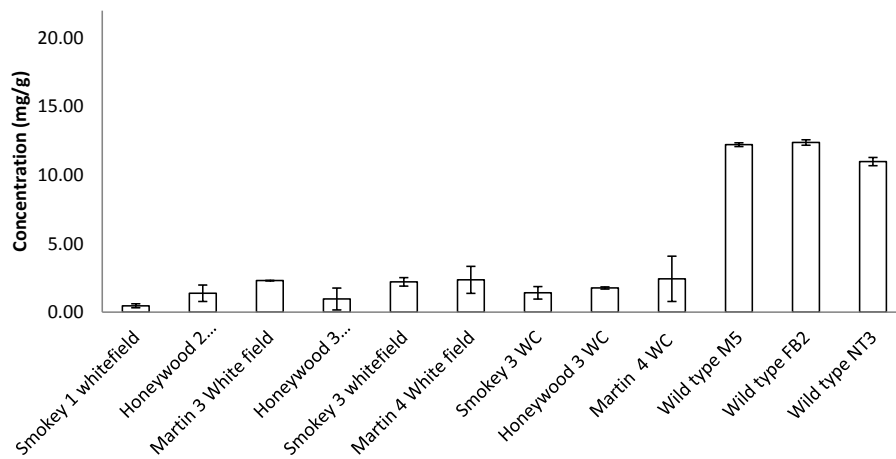


Fig. (S). (10). Total phenolic content in juneberry extracts of 2013 in TAE.

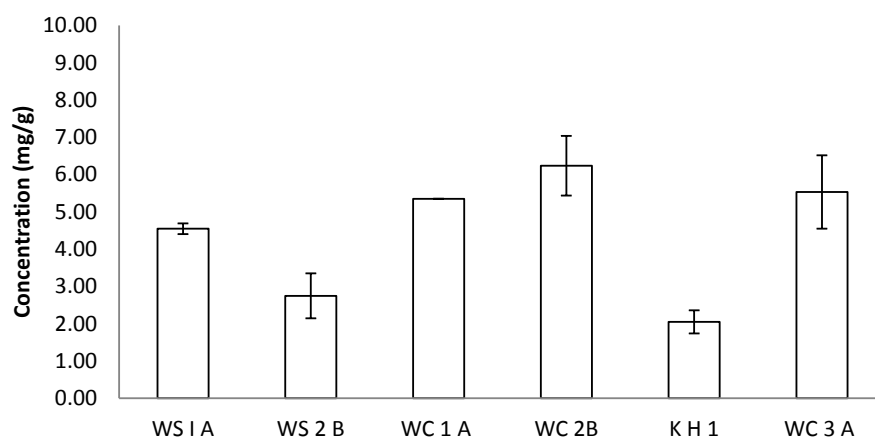


Fig. (S). (11). Total phenolic content in juneberry extracts of 2014 in TAE.

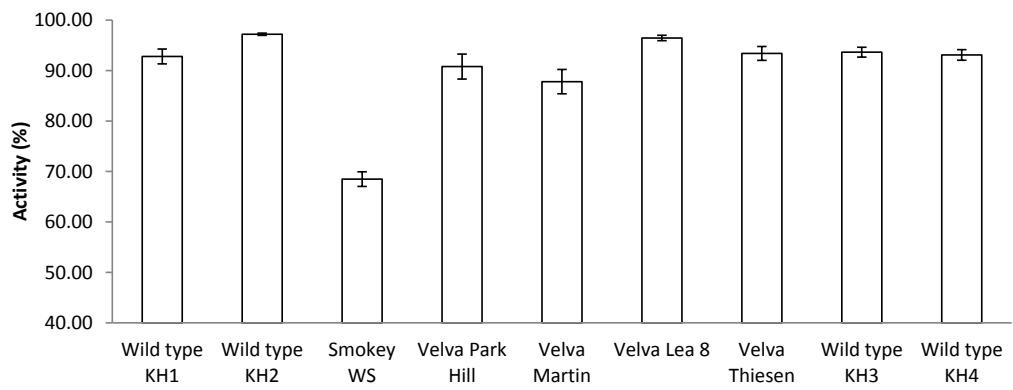


Fig. (S). (12). DPPH radical scavenging antioxidant activity by juneberries of 2012.

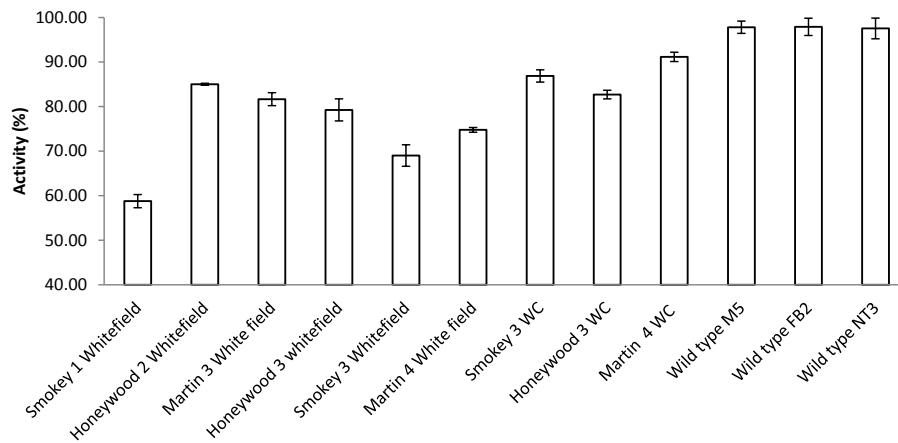


Fig. (S). (13). DPPH radical scavenging antioxidant activity by juneberries of 2013.

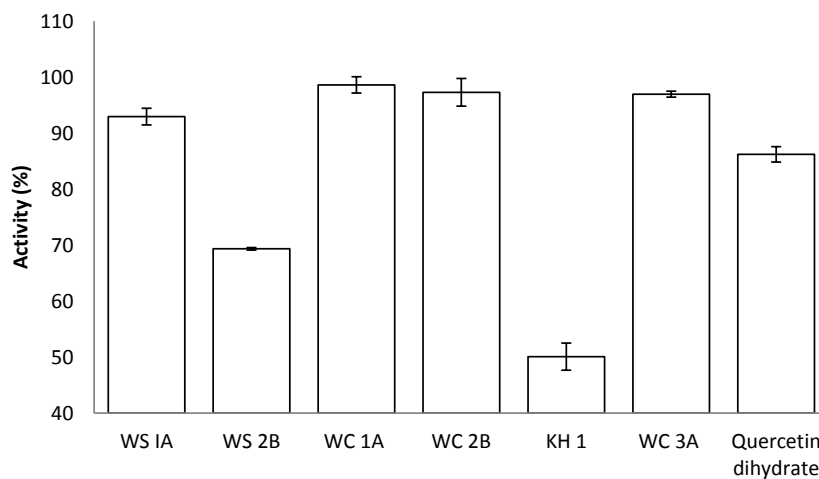


Fig. (S). (14). DPPH radical scavenging antioxidant activity by juneberries of 2014.

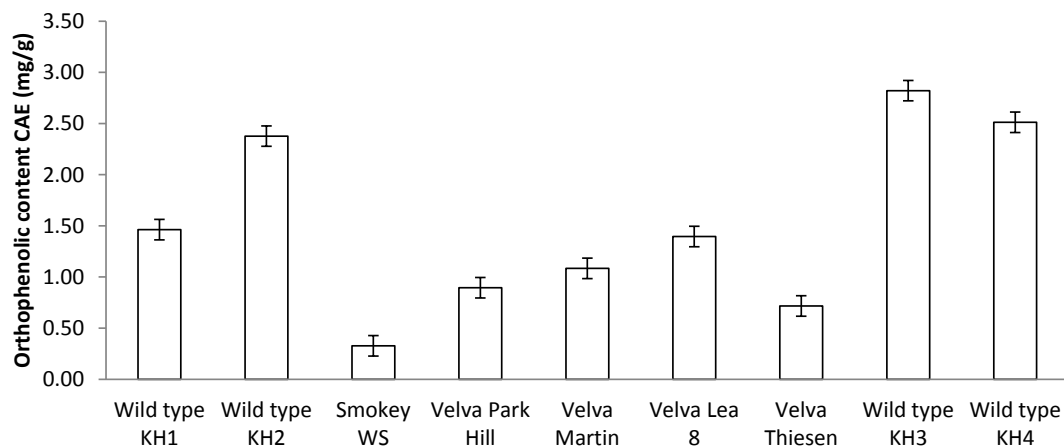


Fig. (S). (15). Orthophenolic content in juneberry extracts of 2012 using caffeic acid standard curve.

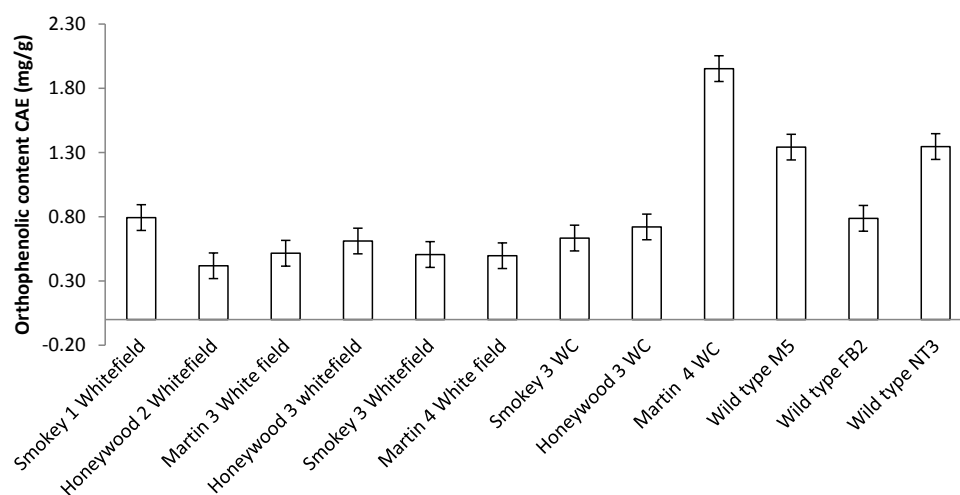


Fig. (S). (16). Orthophenolic content in juneberry extracts of 2013 using caffeic acid standard curve.

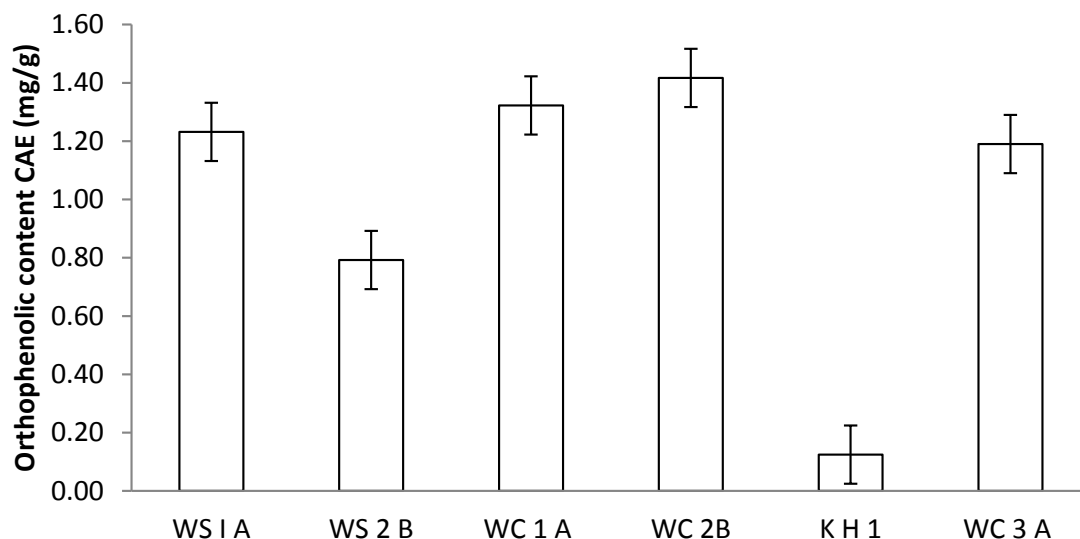


Fig. (S). (17). Orthophenolic content in juneberry extracts of 2014 using caffeic acid standard curve.