



Figure S2. Representative MaxPlots chromatograms obtained from pulp carotenoids extracts of Navelate (parental) and Pinalate (mutant).; U1, unknown 401, 416, 446; U2, unknown 426,450; U3, 320,356,377; N, Neochrome s,432,458; Nx, neoxanthin; V1, all-*trans*-violaxanthin; V2, 9-*cis*-violaxanthin; L, lutein; Zx, zeaxanthin; A, antheraxanthin; P1, 15-*cis*-Phytoene; Pf1, Phytofluene isomer; Pf2, Phytofluene isomer2; Cx, β -Cryptoxanthin; Z1, 9,15,9'-tri-*cis*- ζ -carotene; Z2, ζ -carotene isomer; Z3, ζ -carotene isomer; Z4, 9,9'-di-*cis*- ζ -carotene; Z5, ζ -carotene isomer; Z6, ζ -carotene isomer; BC, β -carotene.