

Supplemental Figure 1 A crossing

scheme to develop F2 plants from C.

chinense No. 4661 Selection (no. 18).

annuum AC1979 (no. 19) and C.

Two homogenous F1 plants were

obtained by crossing two pepper

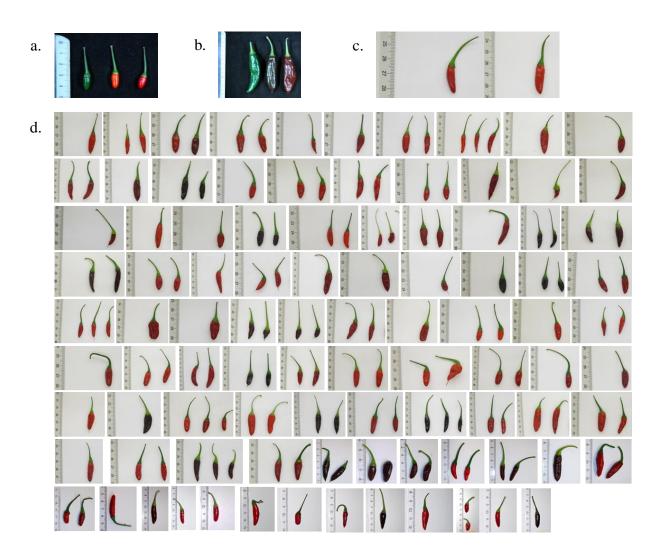
the scheme is not in true scaled

accessions. Each of F1-plants was

self-pollinated to produce F2 progeny.

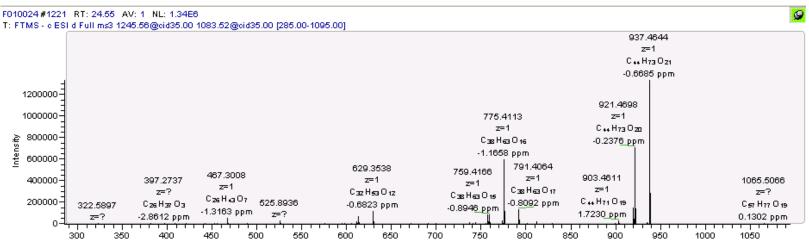
The representation of plants shown in

Supplemental Figure 2 Variation in fruit morphological characters of: a, *C. annuum* AC1979 (no. 19); b, *C. chinense* No. 4661 Selection (no. 18); c, F1 plants; and d, F2 plants



Supplemental Figure 3 MSⁿ fragmentation pattern of Capsianoside VIII and IX using LTQ-Orbitrap FTMS in negative ionization mode

Capsaicinoid IX



Capsaicinoid VIII

