

Table of Characteristics of Outstanding World Vegetable Center-Developed Tomato Lines

| Category & inbred line         | Other name            | Target environment | Heat tolerance | Maturity | Plant habit | Disease resistances |           |              |            |                              |                        |             | Fruit shoulder | Fruit wt (g) | Fruit shape | Pedicel | Fruit color |
|--------------------------------|-----------------------|--------------------|----------------|----------|-------------|---------------------|-----------|--------------|------------|------------------------------|------------------------|-------------|----------------|--------------|-------------|---------|-------------|
|                                |                       |                    |                |          |             | LB                  | GLS       | BW           | FW R2      | TYLCD                        | TMV                    | RKN         |                |              |             |         |             |
| Fresh market tomato            |                       |                    |                |          |             |                     |           |              |            |                              |                        |             |                |              |             |         |             |
| AVTO0301                       | CLN2498D              | Warm dry           | Moderate       | Medium   | SD          | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-2</i>                  | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 85           | Oblong      | J+      | Red         |
| AVTO0922                       | CLN3024A              | Warm dry           | Moderate       | Medium   | D           | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-2</i>                  | <i>Tm2<sup>2</sup></i> | -           | Green          | 60           | Blocky      | J+      | Red         |
| AVTO1219                       | CLN3241H-27           | Cool dry/cool wet  | Fair           | Medium   | SD          | <i>Ph-2, Ph-3</i>   | <i>Sm</i> | <i>Bwr12</i> | <i>I-2</i> | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 76           | Blocky      | J+      | Red         |
| AVTO1314                       | CLN3212C              | Warm dry           | Good           | Early    | SD          | -                   | -         | <i>Bwr12</i> | -          | <i>ty-5</i>                  | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 89           | Round       | J+      | Red         |
| AVTO1315                       | CLN3241Q              | Cool dry/cool wet  | Fair           | Medium   | SD          | <i>Ph-2, Ph-3</i>   | <i>Sm</i> | <i>Bwr12</i> | <i>I-2</i> | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 75           | BL-HRT      | J+      | Red         |
| AVTO1429                       | FMTT1733D             | Cool dry           | Good           | Medium   | I           | -                   | -         | <i>Bwr12</i> | <i>I-2</i> | <i>Ty-3, Ty-2</i>            | <i>Tm2<sup>2</sup></i> | -           | Green          | 143          | Round       | J+      | Red         |
| AVTO1464                       | FMTT1733E             | Cool dry           | Good           | Medium   | I           | -                   | -         | <i>Bwr12</i> | <i>I-2</i> | <i>Ty-3, Ty-2</i>            | <i>Tm2<sup>2</sup></i> | -           | Green          | 130          | Round       | J+      | Red         |
| AVTO1701                       | CLN3736D              | Cool dry           | Fair           | Medium   | SD          | <i>Ph-2, Ph-3</i>   | <i>Sm</i> | -            | -          | <i>Ty-1/Ty-3, Ty-2, ty-5</i> | -                      | -           | Uniform        | 104          | R-BL        | J+      | Red         |
| Processing/Fresh market tomato |                       |                    |                |          |             |                     |           |              |            |                              |                        |             |                |              |             |         |             |
| AVTO9801                       | CLN1621L              | Warm dry           | Good           | Early    | D           | -                   | -         | -            | -          | -                            | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 40           | Plum        | J+      | Red         |
| AVTO9802                       | CLN2026D              | Warm dry           | Good           | Early    | D           | -                   | <i>Sm</i> | <i>Bwr12</i> | <i>I-2</i> | -                            | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 65           | Globe       | J+      | Red         |
| AVTO1003                       | CLN3125L              | Cool dry/hot dry   | Moderate       | Medium   | D           | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Green          | 70           | Oblong      | J+      | Red         |
| AVTO1008                       | CLN3078C              | Cool dry/hot dry   | Moderate       | Medium   | D           | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 70           | Plum        | J-      | Red         |
| AVTO1009                       | CLN3078G              | Cool dry/hot dry   | Moderate       | Medium   | D           | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 55           | Oblong      | J-      | Red         |
| AVTO1418                       | CLN3669A              | Cool dry           | Fair           | Medium   | SD          | -                   | <i>Sm</i> | -            | <i>I-2</i> | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 77           | Oblong      | J+      | Red         |
| AVTO1420                       | CLN3670B              | Cool dry           | Fair           | Medium   | SD          | -                   | <i>Sm</i> | -            | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 94           | Oblong      | J-      | Red         |
| AVTO1422                       | CLN3670F              | Cool dry           | Fair           | Medium   | SD          | -                   | <i>Sm</i> | -            | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 94           | Oblong      | J-      | Red         |
| AVTO1424                       | CLN3682C              | Cool dry           | Good           | Medium   | SD          | -                   | -         | <i>Bwr12</i> | -          | <i>Ty-1/Ty-3, Ty-2</i>       | <i>Tm2<sup>2</sup></i> | <i>Mi-1</i> | Uniform        | 90           | Oblong      | J+      | Red         |
| High beta-carotene tomato      |                       |                    |                |          |             |                     |           |              |            |                              |                        |             |                |              |             |         |             |
| AVTO0102                       | CLN2366B <sup>1</sup> | Hot wet            | Good           | Early    | D           | -                   | -         | <i>Bwr12</i> | -          | -                            | <i>Tm2<sup>2</sup></i> | -           | Uniform        | 60           | Globe       | J+      | Orange      |

<sup>1</sup>Fresh market tomato; Plant habit: D = determinate, I = indeterminate, SD = semi-determinate; - = susceptible allele.

LB = late blight resistance caused by *Phytophthora infestans*. *Ph-2, Ph-3* genes condition resistance to T1,3 and T1,2 isolates, respectively.

GLS = gray leaf spot, *Sm* gene conditions resistance to tomato gray leaf spot disease. - = susceptible allele

BW = drench inoculation with *Ralstonia solanacearum* strain Pss4 in the greenhouse; *Bwr-12* gene conditions bacterial wilt resistance. - = susceptible allele

FW R2 = race 2 of the fusarium wilt pathogen *Fusarium oxysporum* f. sp. *lycopersici*; *I2* gene conditions resistance to race 2 of the Fusarium wilt pathogen. - = susceptible allele

*Ty1/Ty3, Ty2, ty-5* genes condition resistance to Tomato yellow leaf curl disease (TYLCD); *Tm2<sup>2</sup>* conditions *Tomato mosaic virus* (TMV) resistance.

*Mi-1* conditions resistance to the root-knot nematode (*Meloidogyne incognita*). - = susceptible

Fruit shape: BL-HRT = blocky-heart, R-BL = round-blocky, Pedicel: J+ = jointed, J- = jointless