

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>Tm2²</i>	-	Uniform	85	Oblong	J+	Red
AVTO0922	CLN3024A	Warm dry	Moderate	Medium	D	-	-	<i>Bwr12</i>	-	<i>Ty-2</i>	<i>Tm2²</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>Tm2²</i>	-	Uniform	76	Blocky	J+	Red
AVTO1314	CLN3212C	Warm dry	Good	Early	SD	-	-	<i>Bwr12</i>	-	<i>ty-5</i>	<i>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</i>	-	Uniform	40	Plum	J+	Red
AVTO9802	CLN2026D	Warm dry	Good	Early	D	-	<i>Sm</i>	<i>Bwr12</i>	<i>I-2</i>	-	<i>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</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>Tm2²</i>	<i>Mi-1</i>	Uniform	90	Oblong	J+	Red
High beta-carotene tomato																	
AVTO0102	CLN2366B ¹	Hot wet	Good	Early	D	-	-	<i>Bwr12</i>	-	-	<i>Tm2²</i>	-	Uniform	60	Globe	J+	Orange

¹Fresh 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); *Tm2²* 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