Supplementary Materials

Table S1. Markers used to genotype *Ty-1*, *Ty-2*, *Ty-3/Ty-3a*, *ty-5*, and *Ty-6*.

Marker	Marker type	Targeted gene	Chromosome number	Single nucleotide sequence (5'–3')	Annealing temperature (°C)	Restriction enzyme	Molecular size of bands (bp)	Molecular size after digesting with enzyme (bp)	Refs.
TY-1/3_K	SCAR	*Ty-1 / Ty-3*	6	F: ACAGGAAAAATGGGTGATCC R: CCTGCTCCTTGCAGATTCTA	55	-	RR: 114 SS: 102	-	[1]
P1-16	SCAR	*Ty-2*	11	F:CACACATATCCTCTATCCTATTAGCTG R: CGGAGCTGAATTGTATAAACACG	58˚C- 1 min		RR: 300 SS:600		[2]
TM273	SSR	*ty-5*	4	F-GGTGCTCATGGATAGCTTAC R-CTATATAGGCGATAGCACCAC	55OC- 30Sec		RR:173 SS:180		[1]
UF_10.61192	CAPS	*Ty-6*	10	F: CATAAAGTTCCGGCGAGTGT R: TCCATTCCAAACCAAGTGAAG		BssHII	632	RR: 632 SS: 600	[3]

Table S2. Pedigree information of closely related sister inbred line pairs AVTO 2044/AVTO 2045, AVTO 2066/AVTO 2067.

Entry name	CLN Name	Pedigree	Generation
AVTO 2044	CLN4197Y	CLN4197F1-6-12O67-18-2-26-2-16	F8
AVTO 2045	CLN4197Z	CLN4197F1-6-12O67-18-2-26-4-1	F8
AVTO 2066	CLN4197AD	CLN4197F1-6-12O67-18-2-26-25-16	F8
AVTO 2067	CLN4197AC	CLN4197F1-6-12O67-18-2-26-22-8	F8

All four lines were developed as advanced inbred lines by the World Vegetable Center tomato breeding team. We have included below the pedigree information available in our breeding records. The original cross, CLN4197, was developed from: CLN3764F1-1-43-24-20-7-27 (150185-27) × CLN3447A (120103-0). * As shown by the pedigrees, all four lines originated from the same CLN4197 cross and share the same breeding history through CLN4197F1-6-12O67-18-2-26, after which individual plants/families were selected and advanced separately. All four lines were advanced to the F8 generation and can therefore be considered highly inbred lines.

Table S3. Complete field disease incidence and severity raw scoring data.

Plot	Entry	DAT	Rep	Plants												PDS	PDS_trans	PDI	PDI_trans
				1	2	3	4	5	6	7	8	9	10	11	12				
1001	AVTO 2011	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1002	AVTO 2045	21	I	0	0	1	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
1003	AVTO 2067	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1004	AVTO 2044	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	VIO 59341	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1006	AVTO 2066	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1007	AVTO 0301	21	I	0	0	1	0	0	1	0	0	0	0	0	0	3.33	10.53	16.67	24.11
1008	Kashi aman	21	I	0	0	0	0	0	0	0	0	1	0	0	0	1.67	7.42	8.33	16.79
1009	AVTO 9708	21	I	0	0	0	0	0	1	0	0	3	0	0	0	6.67	14.97	16.67	24.11
1010	AVTO 2065	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1011	AVTO 2064	21	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2002	AVTO 2064	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2004	AVTO 0301	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2005	AVTO 2011	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2006	AVTO 2065	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2008	AVTO 9708	21	II	2	1	2	1	0	0	2	0	0	0	0	0	13.33	21.43	41.67	40.22
2011	AVTO 2044	21	II	0	0	0	0	0	0	0	0	1	0	0	0	1.67	7.42	8.33	16.79
2012	Kashi aman	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2013	AVTO 2045	21	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3001	AVTO 0301	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3002	AVTO 2066	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3003	AVTO 2065	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3004	AVTO 9708	21	III	0	0	0	1	0	1	2	2	0	2	2	0	16.67	24.11	50.00	45.02
3005	Kashi aman	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3008	AVTO 2044	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3009	AVTO 2067	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3010	AVTO 2064	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3011	AVTO 2045	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3012	VIO 59341	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3013	AVTO 2011	21	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1001	AVTO 2011	42	I	0	0	0	0	1	0	0	1	0	1	0	1	6.67	14.97	33.33	35.28
1003	AVTO 2045	42	I	0	0	1	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
1004	AVTO 2067	42	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	AVTO 2044	42	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

1006	VIO 59341	42	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1007	AVTO 2066	42	I	0	0	0	1	1	0	0	0	0	0	0	0	3.33	10.53	16.67	24.11
1008	AVTO 0301	42	I	0	0	3	0	2	3	0	0	2	0	0	2	20.00	26.58	41.67	40.22
1009	Kashi aman	42	I	0	0	0	0	1	0	0	0	3	0	0	0	6.67	14.97	16.67	24.11
1010	AVTO 9708	42	I	1	3	3	1	3	4	2	4	4	2	1	3	51.67	45.98	100.00	90.05
1011	AVTO 2065	42	I	0	0	0	0	0	0	1	0	0	0	0	0	1.67	7.42	8.33	16.79
1012	AVTO 2064	42	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	42	II	0	0	0	0	0	1	2	0	0	3	2	0	13.33	21.43	33.33	35.28
2002	AVTO 2064	42	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	42	II	0	1	0	1	0	0	0	0	0	0	0	0	3.33	10.53	16.67	24.11
2004	AVTO 0301	42	II	0	0	3	4	1	2	2	0	0	4	3	0	31.67	34.26	58.33	49.82
2005	AVTO 2011	42	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2006	AVTO 2065	42	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	42	II	1	0	0	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
2008	AVTO 9708	42	II	3	4	4	3	2	4	3	4	0	2	4	4	61.67	51.77	91.67	73.26
2011	AVTO 2044	42	II	0	0	0	0	0	0	0	0	2	0	0	0	3.33	10.53	8.33	16.79
2012	Kashi aman	42	II	3	0	2	0	0	3	0	0	0	0	0	0	13.33	21.43	25.00	30.02
2013	AVTO 2045	42	II	1	0	0	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
3001	AVTO 0301	42	III	0	0	0	3	1	2	4	0	2	1	3	0	26.67	31.11	58.33	49.82
3002	AVTO 2066	42	III	1	0	0	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
3003	AVTO 2065	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3004	AVTO 9708	42	III	3	5	3	3	0	1	5	4	0	5	4	0	55.00	47.89	75.00	60.03
3005	Kashi aman	42	III	1	2	1	0	2	0	0	0	1	0	0	1	13.33	21.43	50.00	45.02
3008	AVTO 2044	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3009	AVTO 2067	42	III	0	0	0	0	0	0	0	0	1	0	0	0	1.67	7.42	8.33	16.79
3010	AVTO 2064	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3011	AVTO 2045	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3012	VIO 59341	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3013	AVTO 2011	42	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1001	AVTO 2011	63	I	0	0	0	0	1	0	0	1	0	1	0	1	6.67	14.97	33.33	35.28
1003	AVTO 2045	63	I	0	0	1	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
1004	AVTO 2067	63	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	AVTO 2044	63	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1006	VIO 59341	63	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1007	AVTO 2066	63	I	0	0	0	1	1	0	0	0	0	0	0	0	3.33	10.53	16.67	24.11
1008	AVTO 0301	63	I	0	0	4	0	3	4	0	0	3	0	0	4	30.00	33.23	41.67	40.22
1009	Kashi aman	63	I	0	1	0	0	1	0	0	0	4	0	0	0	10.00	18.44	25.00	30.02
1010	AVTO 9708	63	I	3	4	4	3	3	5	2	5	5	3	2	3	70.00	56.82	100.00	90.05
1011	AVTO 2065	63	I	0	0	0	0	0	0	1	0	0	0	0	0	1.67	7.42	8.33	16.79
1012	AVTO 2064	63	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	63	II	0	0	0	0	0	1	2	0	0	3	2	0	13.33	21.43	33.33	35.28

2002	AVTO 2064	63	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	63	II	0	1	0	1	0	0	0	0	1	0	0	0	5.00	12.93	25.00	30.02
2004	AVTO 0301	63	II	4	0	3	5	3	2	3	4	3	4	3	4	63.33	52.76	91.67	73.26
2005	AVTO 2011	63	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2006	AVTO 2065	63	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	63	II	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
2008	AVTO 9708	63	II	4	5	4	5	2	4	3	5	5	4	5	5	85.00	67.25	100.00	90.05
2011	AVTO 2044	63	II	0	0	0	0	0	0	0	0	2	0	0	0	3.33	10.53	8.33	16.79
2012	Kashi aman	63	II	3	0	2	0	0	4	0	0	0	0	0	0	15.00	22.80	25.00	30.02
2013	AVTO 2045	63	II	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
3001	AVTO 0301	63	III	0	3	0	5	1	4	4	1	4	4	4	0	50.00	45.02	75.00	60.03
3002	AVTO 2066	63	III	1	0	0	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
3003	AVTO 2065	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3004	AVTO 9708	63	III	4	5	4	4	2	2	5	4	0	5	5	5	75.00	60.03	91.67	73.26
3005	Kashi aman	63	III	1	3	1	0	2	0	1	0	1	0	0	2	18.33	25.36	58.33	49.82
3008	AVTO 2044	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3009	AVTO 2067	63	III	0	0	0	0	0	0	0	0	1	0	0	0	1.67	7.42	8.33	16.79
3010	AVTO 2064	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3011	AVTO 2045	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3012	VIO 59341	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3013	AVTO 2011	63	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1001	AVTO 2011	84	I	0	0	0	0	1	0	0	1	0	2	0	1	8.33	16.79	33.33	35.28
1003	AVTO 2045	84	I	0	0	1	0	0	0	1	0	0	0	0	0	3.33	10.53	16.67	24.11
1004	AVTO 2067	84	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	AVTO 2044	84	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1006	VIO 59341	84	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1007	AVTO 2066	84	I	0	0	0	1	1	0	0	0	0	0	0	0	3.33	10.53	16.67	24.11
1008	AVTO 0301	84	I	1	1	5	2	4	5	1	1	3	1	1	5	50.00	45.02	100.00	90.05
1009	Kashi aman	84	I	0	1	0	0	1	1	0	0	5	0	0	0	13.33	21.43	33.33	35.28
1010	AVTO 9708	84	I	5	5	5	5	4	5	4	5	5	5	4	4	93.33	75.07	100.00	90.05
1011	AVTO 2065	84	I	0	0	0	0	0	0	2	0	0	0	0	0	3.33	10.53	8.33	16.79
1012	AVTO 2064	84	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	84	II	0	0	0	0	0	1	2	0	0	3	2	0	13.33	21.43	33.33	35.28
2002	AVTO 2064	84	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	84	II	0	1	0	2	2	0	0	2	1	0	0	0	13.33	21.43	41.67	40.22
2004	AVTO 0301	84	II	5	3	4	5	4	4	3	4	3	4	3	4	76.67	61.15	100.00	90.05
2005	AVTO 2011	84	II	1	0	0	0	3	0	0	0	0	0	0	0	6.67	14.97	16.67	24.11
2006	AVTO 2065	84	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	84	II	3	0	0	0	0	0	0	0	0	0	0	0	5.00	12.93	8.33	16.79
2008	AVTO 9708	84	II	4	5	4	5	4	4	4	5	5	5	5	5	91.67	73.26	100.00	90.05
2011	AVTO 2044	84	II	0	0	0	0	0	0	0	0	2	0	0	0	3.33	10.53	8.33	16.79

2012	Kashi aman	84	II	3	0	3	0	0	4	0	0	0	0	0	0	16.67	24.11	25.00	30.02
2013	AVTO 2045	84	II	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
3001	AVTO 0301	84	III	1	4	0	5	1	4	4	2	5	5	5	3	65.00	53.76	91.67	73.26
3002	AVTO 2066	84	III	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
3003	AVTO 2065	84	III	0	0	0	0	0	0	0	0	0	0	0	1	1.67	7.42	8.33	16.79
3004	AVTO 9708	84	III	4	5	5	4	3	3	5	4	1	5	5	5	81.67	64.68	100.00	90.05
3005	Kashi aman	84	III	1	3	1	0	2	1	1	0	1	0	0	2	20.00	26.58	66.67	54.76
3008	AVTO 2044	84	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3009	AVTO 2067	84	III	0	0	0	0	0	0	0	0	1	0	0	0	1.67	7.42	8.33	16.79
3010	AVTO 2064	84	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3011	AVTO 2045	84	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3012	VIO 59341	84	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3013	AVTO 2011	84	III	1	0	0	0	0	0	0	0	0	1	0	0	3.33	10.53	16.67	24.11
1001	AVTO 2011	105	I	0	0	0	0	2	0	0	1	0	2	0	1	10.00	18.44	33.33	35.28
1003	AVTO 2045	105	I	0	0	2	0	0	0	1	0	0	0	0	0	5.00	12.93	16.67	24.11
1004	AVTO 2067	105	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	AVTO 2044	105	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1006	VIO 59341	105	I	0	0	1	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
1007	AVTO 2066	105	I	0	0	0	1	1	0	0	0	0	0	0	0	3.33	10.53	16.67	24.11
1008	AVTO 0301	105	I	2	2	5	3	4	5	2	3	4	2	3	5	66.67	54.76	100.00	90.05
1009	Kashi aman	105	I	0	1	0	0	1	3	0	0	5	0	0	0	16.67	24.11	33.33	35.28
1010	AVTO 9708	105	I	5	5	5	5	5	5	4	5	5	5	5	5	98.33	82.62	100.00	90.05
1011	AVTO 2065	105	I	0	0	0	0	0	0	2	0	0	0	0	0	3.33	10.53	8.33	16.79
1012	AVTO 2064	105	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	105	II	0	0	0	0	0	2	3	0	0	3	2	0	16.67	24.11	33.33	35.28
2002	AVTO 2064	105	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	105	II	0	1	0	2	3	0	0	3	1	0	0	0	16.67	24.11	41.67	40.22
2004	AVTO 0301	105	II	5	4	5	5	5	5	4	4	4	4	3	4	86.67	68.62	100.00	90.05
2005	AVTO 2011	105	II	2	0	0	1	4	0	0	0	2	0	0	0	15.00	22.80	33.33	35.28
2006	AVTO 2065	105	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	105	II	3	0	0	0	0	0	0	0	0	0	0	0	5.00	12.93	8.33	16.79
2008	AVTO 9708	105	II	4	5	5	5	4	4	5	5	5	5	5	5	95.00	77.12	100.00	90.05
2011	AVTO 2044	105	II	0	0	0	0	0	0	0	0	3	0	0	0	5.00	12.93	8.33	16.79
2012	Kashi aman	105	II	3	0	4	0	0	4	0	0	0	0	0	0	18.33	25.36	25.00	30.02
2013	AVTO 2045	105	II	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
3001	AVTO 0301	105	III	2	5	0	5	3	5	5	3	5	5	5	5	80.00	63.47	91.67	73.26
3002	AVTO 2066	105	III	2	0	1	0	0	0	0	1	0	0	0	0	6.67	14.97	25.00	30.02
3003	AVTO 2065	105	III	0	0	0	0	0	0	0	0	0	0	0	1	1.67	7.42	8.33	16.79
3004	AVTO 9708	105	III	5	5	5	5	5	5	5	5	3	5	5	5	96.67	79.52	100.00	90.05
3005	Kashi aman	105	III	1	3	1	0	2	2	2	0	1	0	0	2	23.33	28.90	66.67	54.76
3008	AVTO 2044	105	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

3009	AVTO 2067	105	III	0	0	0	0	1	0	0	0	1	0	0	0	3.33	10.53	16.67	24.11
3010	AVTO 2064	105	III	0	0	0	0	0	0	1	0	0	0	0	0	1.67	7.42	8.33	16.79
3011	AVTO 2045	105	III	1	0	0	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
3012	VIO 59341	105	III	0	0	0	0	1	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
3013	AVTO 2011	105	III	3	0	3	2	0	0	1	0	0	2	0	0	18.33	25.36	41.67	40.22
1001	AVTO 2011	126	I	0	0	0	0	3	0	0	2	0	3	0	1	15.00	22.80	33.33	35.28
1003	AVTO 2045	126	I	0	0	2	0	0	0	1	0	0	0	0	0	5.00	12.93	16.67	24.11
1004	AVTO 2067	126	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1005	AVTO 2044	126	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
1006	VIO 59341	126	I	0	0	1	0	0	0	0	0	0	0	0	0	1.67	7.42	8.33	16.79
1007	AVTO 2066	126	I	0	0	0	2	1	0	0	0	0	0	0	0	5.00	12.93	16.67	24.11
1008	AVTO 0301	126	I	2	2	5	3	4	5	2	3	4	2	3	5	66.67	54.76	100.00	90.05
1009	Kashi aman	126	I	0	1	0	0	1	4	0	0	5	0	0	0	18.33	25.36	33.33	35.28
1010	AVTO 9708	126	I	5	5	5	5	5	5	5	5	5	5	5	5	100.00	90.05	100.00	90.05
1011	AVTO 2065	126	I	0	0	0	0	0	0	2	0	0	0	0	0	3.33	10.53	8.33	16.79
1012	AVTO 2064	126	I	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2001	AVTO 2066	126	II	0	0	0	0	0	2	3	0	0	3	2	0	16.67	24.11	33.33	35.28
2002	AVTO 2064	126	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2003	VIO 59341	126	II	0	1	0	2	3	0	0	3	1	0	0	0	16.67	24.11	41.67	40.22
2004	AVTO 0301	126	II	5	4	5	5	5	5	4	4	4	4	3	4	86.67	68.62	100.00	90.05
2005	AVTO 2011	126	II	3	0	0	2	4	0	0	0	3	0	0	0	20.00	26.58	33.33	35.28
2006	AVTO 2065	126	II	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2007	AVTO 2067	126	II	3	0	0	0	0	0	0	0	0	0	0	0	5.00	12.93	8.33	16.79
2008	AVTO 9708	126	II	5	5	5	5	5	5	5	5	5	5	5	5	100.00	90.05	100.00	90.05
2011	AVTO 2044	126	II	0	0	0	0	0	0	0	0	3	0	0	0	5.00	12.93	8.33	16.79
2012	Kashi aman	126	II	4	0	4	0	0	4	0	0	0	0	0	0	20.00	26.58	25.00	30.02
2013	AVTO 2045	126	II	2	0	0	0	0	0	0	0	0	0	0	0	3.33	10.53	8.33	16.79
3001	AVTO 0301	126	III	3	5	0	5	3	5	5	3	5	5	5	5	81.67	64.68	91.67	73.26
3002	AVTO 2066	126	III	2	0	1	0	0	0	0	1	0	0	0	0	6.67	14.97	25.00	30.02
3003	AVTO 2065	126	III	0	0	0	0	0	0	0	0	0	0	0	2	3.33	10.53	8.33	16.79
3004	AVTO 9708	126	III	5	5	5	5	5	5	5	5	4	5	5	5	98.33	82.62	100.00	90.05
3005	Kashi aman	126	III	1	3	1	0	2	2	2	0	2	0	0	2	25.00	30.02	66.67	54.76
3008	AVTO 2044	126	III	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3009	AVTO 2067	126	III	0	0	0	0	1	0	0	0	1	0	0	0	3.33	10.53	16.67	24.11
3010	AVTO 2064	126	III	0	0	0	0	0	0	1	0	0	0	0	0	1.67	7.42	8.33	16.79
3011	AVTO 2045	126	III	3	0	0	0	0	0	0	0	0	0	0	0	5.00	12.93	8.33	16.79
3012	VIO 59341	126	III	0	0	0	0	3	0	0	0	0	0	0	0	5.00	12.93	8.33	16.79
3013	AVTO 2011	126	III	3	0	3	2	0	0	1	0	0	3	0	0	20.00	26.58	41.67	40.22

* Trans-The arcsine square root transformed values.

File S1. FASTA sequence reads, chromatograms, and sequence alignments.

E0524_104_019_PLD_TY_1_M13FP

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