

Table S1. Stability parameters of days to 50 % flowering, days to 50 % harvesting, plant height, stem diameter and number of primary branches

Accessions	Days to 50 % flowering			Days to 50 % harvesting			Plant Height (cm)			Stem Diameter (cm)			No. of main branches		
	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di
RCMP-1	59.05	0.4	-	90.84	0.16	9.32	101.84	0.47	-	1.33	6.9	0.04	2.00	0	-
RCMP-2	56.61	0.48	-	89.54	-	-6.06	105.97	0.11	-	1.34	1.94	0	2.44	-15	0.38
RCMP-3	55.00	3.54	2.11	87.21	0.62	11.25	84.54	1.05	-	1.33	-	0.01	2	0	-
RCMP-4	58.34	-0.75	3.88	90.41	-	22.57	110.83	0.43	-	1.26	-	0.04	2.33	-	0.28
RCMP-5	64.27	-1.25	4.28	91.89	-	33.2	113.26	0.46	-	1.25	-	0.01	2.22	8.57	0.03
RCMP-6	54.48	3.29	4.87	88.64	0.41	-9.25	80.83	0.96	-	1.18	8.17	0.11	2.11	10.71	0
RCMP-7	55.63	-0.12	2.82	88.99	-	-8.73	210.16	0.35	-	1.73	7.59	0.03	1.66	25.71	0.28
RCMP-8	58.24	-0.81	3.98	90.92	-	36.53	124.91	0.62	-	1.56	3.77	0	2.33	-	0.28
RCMP-9	54.68	0	0.65	89.51	-	-6.74	132.44	0.16	-	1.72	-0.7	0	2	0	-
RCML-1	55.35	1	3.54	88.93	0.21	10.33	163.39	0.19	-	1.70	-1.3	0	2.33	-	0.28
RCML-2	55.68	0.2	3.82	89.43	-	10.23	126.36	0.42	-	1.66	-	0.02	2	0	-
RCML-3	53.71	-0.25	0.89	87.67	-0.2	-2.96	108.78	-	-	1.75	4.62	0.01	2.33	-	0.28
RCML-4	50.17	-1.25	21.65	85.26	0.02	11.64	124.97	0.14	-	1.30	3.35	0	2	0	-
RCML-5	52.89	0.8	3.68	85.15	-	11.19	115.08	2.95	-	1.22	83.41	0	2	0	0.01
RCML-6	53.34	0.38	0.16	85.85	0.03	-	120.13	0	-	2.36	-	0	2	0	-
RCML-7	65.82	-0.1	104.28	104.28	0.33	10.41	120.13	2.85	-	1.67	24.22	0.01	2	0	0.01
RCML-8	65.18	1.36	3.18	105.85	0.49	10.41	120.13	-8.27	-	3.29	7.01	0.02	2	0	-
RCML-9	65.09	2.71	3.91	101.51	1.49	72.86	87.95	80.80	21.27	1.14	7.01	0.01	1.88	34.29	0.5
RCML-10	66.27	0.44	2.11	99.34	2.36	-3.19	68.44	1.38	138.28	1.17	1.84	0	1.66	25.71	0.28
RCML-11	68.03	0.89	4.79	103.34	2.42	38.16	94.12	1.36	-	1.14	-	0.01	2	0	-
RCML-12	61.033	2.99	17.13	97.85	2.2	-1.99	92.81	1.79	-	1.07	5.93	0.01	2.22	8.57	0.03
RCML-13	63.94	1.4	-0.6	104.73	2.16	113.15	71.73	2.94	-	0.92	15.59	0.09	2.22	8.57	0.03
RCML-14	64.82	0.64	7.53	104.34	1.68	-5.09	155.14	8.88	2496.2	1.42	5.32	0	2	0	-
					1.51	11.15	103.13	1.85	8.88	1.37	5.24	0.01	2.33	25.71	0.28

RCML-15	62.36	1.74	25.1 5	101.4 2	1.73	5.32	114.72	1.86	-9.74	1.53	4.9	0	2	0	- 0.01
RCML-16	62.53	2.95	- 2.47	100.1 6	1.52	-2.93	134.65	1.68	297.1 7	1.49	1.37	0	1.66	25.71	0.28
RCNL-1	61.92	2.64	2.01	100.6 1	2.02	28.91	108.64	1.32	32.55	1.63	4.13	0.01	2	0	- 0.01
RCNL-2	60.85 8	1.76	1.81	99.83	1.66	-5.77	91.27	0.54	141.0 8	1.44	- 3.68	0	2	0	- 0.01
RCNL-3	57.20	0.7	- 2.72	97.98	1.94	7.56	106.22	3.45	- 22.34	1.16	4.09	0.01	1.66	25.71	0.28
RCNL-4	59.25	2.61	9	98.94 1	1.65	- 11.29	97.97	0.98	53.49	1.07	2.42	0	2	0	- 0.01
RCNL-5	60.32 4	1.63	3.56	96.88	2.37	65.4	103.90	1.43	53.42	1.34	- 11.8 4	0.11	2	0	- 0.01
Population Mean	59.40			94.91			111.17			1.37			2.04		

Table S2. Stability parameters of no. of primary branch, plant spread E to W, no. of fruits/cluster and no. of fruits per plant

Genotypes	No. of primary branch			Plant spread E to W (cm)			No. of fruits/cluster			No of fruits/plant		
	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di
RCMP-1	3.88	- 0.04	0.06	173.76	-1.38	10.73	3.22	1.32	0.05	124.77	0.87	109.39
RCMP-2	3.89	- 0.04	0.06	115.76	0.01	-23.75	3.22	-3.13	- 0.01	93.00	0.44	154.74
RCMP-3	3.88	- 0.04	0.06	125.43	-3.52	-9.31	3.00	0.00	- 0.01	100.88	0.45	4.61
RCMP-4	3.88	- 0.04	0.06	167.92	- 12.66	1369.5	2.44	-1.32	0.05	126.11	0.52	430.58
RCMP-5	2.77	1.72	0.02	141.07	0.89	-23.21	2.88	-2.64	0.23	128.33	0.93	585.29
RCMP-6	4.55	- 0.88	0.04	106.75	5.04	21	2.88	-2.64	0.23	137.77	2.25	358.82

RCMP-7	3.55	- 0.88	0.04	122.02	1.51	-19.83	3.11	-1.32	0.05	93.88	1.88	145.38
RCMP-8	2.88	1.75	0.21	118.83	-2.91	1132.3 6	2.66	0	- 0.01	120.88	0.24	-20.38
RCMP-9	2.88	1.75	0.21	120.71	5.89	1344.3	2.88	-3.13	- 0.01	135.66	3.04	-11.81
RCML-1	2.88	1.75	0.21	124.56	-1.53	2643.5 8	3	-0.49	0.21	170	1.5	84.24
RCML-2	3.22	2.59	0.17	188.05	- 10.07	-1.77	3.11	-1.32	0.05	133.44	0.61	894.12
RCML-3	3	2.15	0.08	195.06	-1	817.2	3.33	0	- 0.01	137.44	0.78	132.9
RCML-4	3.556	1.28	-0.01	116.71	1.4	-2.51	3.22	1.32	0.05	140.11	-3.32	329.56
RCML-5	4.77	- 0.44	0	120.94	-0.62	-6.94	3.222	5.77	0.26	184.33	0.64	1.47
RCML-6	3.77	- 0.44	0	164.66	6.4	159.94	3.11	-1.81	0.04	137.55	-0.42	812.17
RCML-7	3.66	0.84	-0.02	178.96	0.21	32.69	3	0	- 0.01	115.77	1.12	-21.03
RCML-8	3.66	0.84	-0.02	121.66	-0.02	-17.2	3.222	1.81	0.04	63.88	1.36	-12.41
RCML-9	3.556	0.81	0.07	134.21	-0.37	1.31	2.88	1.81	0.04	77.11	1.64	152.61
RCML-10	3.66	0.84	-0.02	165.21	-9.9	750.34	2.77	8.57	0.4	108.44	1.4	-11.28
RCML-11	3.11	2.56	0.01	115.93	0.92	83.8	2.77	3.63	0.19	113	1.37	-21.89
RCML-12	3.88	- 0.51	0.42	141.47	-3.71	289.6	2.77	3.63	0.19	127.77	2.38	70.72
RCML-13	3.22	- 0.04	0.06	107.14	1	-18.27	2.77	3.13	- 0.01	81.55	2.42	-15.21
RCML-14	3	2.15	0.08	74.39	12.09	1232.9 9	2.55	1.32	0.05	94.55	1.86	1057.5 9
RCML-15	3	2.15	0.08	117.47	2.26	117.91	2.66	-0.49	0.21	125.44	3.29	343.01

RCML-16	3	2.15	0.08	183.59	0.42	-23.74	3	0	-	0.01	137.88	2.53	435.61
RCNL-1	3.22	2.96	-0.02	85.13	4.77	309.07	3	0.49	0.21	122.33	1.07	83.9	
RCNL-2	3.222	2.96	-0.02	114.59	19.36	600.87	3	4.45	0.06	114.22	1.01	638.37	
RCNL-3	3.55	1.75	0.21	144.57	4.76	86.83	3	4.45	0.06	118.11	-2.92	-21.91	
RCNL-4	4	-	0.13	104.60	5.47	224.53	3	3.96	0.54	158.11	1.46	1684.11	
RCNL-5	3.44	0.77	0.31	87.26	5.29	-3.45	2.77	2.64	0.23	126.77	-0.42	17.89	
Population Mean	3.48			132.59			2.95			121.64		109.39	

Table S3. Stability parameters of no. of seeds/fruit, fruit yield, average fruit weight, fruit length and fruit diameter

Genotypes	No. of seeds/fruit			Fruit yield/plt (g)			Av. frt wt (g)			Fruit length (cm)			Fruit diameter (cm)		
	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di	Mean	bi	s ² di
RCMP-1	36.55	1.9	-2.12	756.76	0.96	1067.69	6.148	0.42	-	5.60	1.16	0.21	2.21	0.5	-
RCMP-2	56.55	1.02	-1.15	551.06	1.81	-776.5	5.03	0.53	0.04	4.48	1.02	0.08	1.83	0.95	0
RCMP-3	45.66	1.41	-2.38	571.97	0.62	9937.44	5.03	0.36	-	4.66	0.89	0.25	1.86	0.64	0.05
RCMP-4	50.33	1.12	-2.6	749.11	1.1	3981.17	6.09	0.12	0.01	5.57	1.04	0.5	2.21	0.49	0
RCMP-5	28.33	2.14	-2.84	761.56	0.42	5998.35	6.38	0.48	-	5.62	0.91	0.56	2.24	0.32	0
RCMP-6	47.22	-	2.38	788.22	-	770.87	6.55	-	0.25	5.84	0.41	0.36	2.31	0.21	0.07
RCMP-7	52.66	0.89	6.67	582.10	0.09	966.62	5.10	0.54	-	4.62	0.56	-0.03	1.96	0.64	-

RCMP-8	54.44	1.84	-1.21	714.69	2.14	-342.65	5.81	-	0.18	0.66	5.39	1.66	-0.03	2.22	1.08	0.01
RCMP-9	31.88	1.37	-2.82	784.18	-	573.76	6.63	0.64	2.8	0.88	5.72	0.15	0.12	2.35	0.35	0.08
RCML-1	46.88	0.38	-1.03	949.85	0.53	8126.81	8.14	3.96	0.36	6.74	0.75	0.05	2.79	2	0	
RCML-2	58.11	0.85	-2.79	808.98	0.21	2981.57	7.69	3.5	3.21	5.99	0.79	0.18	2.31	0.26	0	
RCML-3	49.88	0.06	-1.55	810.54	0.64	-394.43	6.56	0.28	-	0.05	6.05	1.13	-0.02	2.39	1.17	-
RCML-4	36.11	4.55	7.94	794.26	4.09	93121.2	6.79	-	2.67	2.03	6.06	2.55	1.27	2.44	1.98	0.88
RCML-5	60.33	0.84	0	1003.4	0.36	694.00	9.04	1.95	-	0.04	7.45	1.55	0.01	3.14	2.02	0.01
RCML-6	41.88	-	4.53	817.59	2.01	22906.2	6.72	-	1.86	0.23	6.01	1.79	0.25	2.42	8	1.24
RCML-7	26.66	1.95	-2.04	684.99	0.71	-416.11	5.72	1.35	0.01	5.12	0.56	-0.02	2.12	0.35	0	
RCML-8	43.55	0.4	220.3	421.28	0.8	-170.79	3.53	-	1.19	0.11	3.94	0.9	-0.03	1.31	7	0.88
RCML-9	37.11	2	-1.97	502.13	0.58	4439.55	4.44	-	0.09	0.48	4.37	0.7	-0.03	1.62	0.21	0
RCML-10	38.22	-	13	649.17	0.52	75.83	5.36	1.29	0	4.99	0.55	-0.03	2.07	0.61	0.02	
RCML-11	25.66	-	91.85	685	0.56	348.77	5.55	1.48	0	5.05	0.53	-0.03	2.09	0.55	0	
RCML-12	33.66	-	-2.38	748.03	0.71	9362.86	5.66	0.01	0.72	5.61	0.45	0.04	2.24	0.62	0.01	
RCML-13	47.66	1.73	51.88	539.37	0.31	-323.59	5.11	1.43	0.17	4.35	0.61	0.02	1.80	1.07	0.03	
RCML-14	46.88	1.56	141.9	580.19	0.31	6775.7	5.14	1.9	-	0.04	4.62	0.48	0.43	1.82	1.44	0.27
RCML-15	27.11	0.42	76.97	725.58	-	18440.92	6.15	3.44	0.14	5.39	0.04	0.06	2.24	0.54	0.19	
RCML-16	34.88	-	0.47	818.39	0.3	34449.11	7.08	5.03	1.01	6.00	0.54	0.49	2.48	1.06	0.1	

RCNL-1	47.77	1.47	5.48	741.85	1.02	8089.2	5.95	1.93	0.11	5.59	0.89	0.2	2.22	0.81	0.01
RCNL-2	40.22	1.76	-2.78	729.66	1.51	13817.19	5.84	2.11	0.24	5.28	1.11	1.15	2.19	1.35	0.04
RCNL-3	30.11	4.27	19.45	713.42	4.54	26033.41	5.51	- 2.56	5.16	5.89	1.53	-0.02	2.24 7	2.16	0.53
RCNL-4	51.55	1.41	-1.37	898.46	1.47	49817.58	7.68	5	- 0.03	6.69	1.71	1.97	2.82	2.9	0
RCNL-5	34.44	- 0.03	2.97	745.12	2.87	-464.83	5.94	- 0.05	0.29	5.47	3.05	-0.04	2.39	1.59	0.09
Populati on mean	42.08			720.90			6.08			5.47			2.21		

Table S4. Stability parameters of dry matter (%), ascorbic acid, total flavonoids and capsaicin

Genotyp es	Dry matter (%)			Ascorbic acid (mg/100g)			Total flavonoids (mgQE/g)			Capsaicin (%)		
	Mean	bi	s ² di	Mean	bi	s ² di	Me an	bi	s ² di	Mean	bi	s ² di
RCMP-1	16.62	0.84	- 0.28	490.84	1.31	-385.06	3.82	0.76	0.08	3.97	3.21	-0.02
RCMP-2	14.17	1.07	-0.4	181.53	0.49	8265.27	4.06	0.67	0	4.00	3.21	-0.01
RCMP-3	14.42	0.77	2.26	227.15	0.83	-381.61	2.86	0.89	0.09	4.42	5.14	0
RCMP-4	16.30	1.07	0.05	131.38	0.61	-302.09	2.93	0.86	0.32	3.88	-5.94	0.03
RCMP-5	16.60	0.76	- 0.06	399.08	1.14	-385.7	2.88	0.86	0.11	4.98	-1.96	0.15
RCMP-6	16.49	-0.03	0.58	493.41	1.35	-370.58	3.84	0.96	0.15	4.02	3.77	0.02
RCMP-7	14.23	0.61	0.35	313.29	0.98	-382.05	4.44	0.69	0.15	4.13	3.85	0.07
RCMP-8	15.99	1.95	- 0.41	317.29	1.01	-383.44	3.90	1.13	0.09	3.84	2.48	0.23

RCMP-9	16.80	-0.21	-0.4	424.52	0.84	-373.15	3.72	0.74	0.04	3.39	0.27	-0.02
RCML-1	18.84	1.1	0.56	400.84	1.19	-384.02	3.82	0.91	-0.02	4.02	3.17	-0.02
RCML-2	17.15	0.92	0.02	472.15	1.71	-383.48	4.13	1.55	0.25	4.03	2.95	-0.02
RCML-3	17.22	1.15	- 0.37	226.54	0.84	-384.29	4.04	1.42	0.08	4.65	-2.43	0.05
RCML-4	17.17	3.36	2.04	223.15	0.8	-383.34	3.73	0.81	-0.02	4.70	-2.57	0.01
RCML-5	19.78	0.82	0.45	228.72	0.83	-385.39	4.03	1.46	0.27	5.19	0.13	-0.01
RCML-6	17.21	2.17	0.29	476.11	0.01	-383.04	3.55	0.84	0.13	3.96	3.26	-0.02
RCML-7	15.76	0.61	- 0.26	493.23	1.35	-323.47	4.03	0.98	0.03	4.261	0.04	-0.02
RCML-8	12.51	1.15	- 0.13	224.2	0.86	-366.5	4.36	0.88	-0.02	4.317	0.15	-0.02
RCML-9	13.60	0.85	1.71	225.88	0.85	-379.13	3.12	1.04	-0.01	4.36	0.48	-0.02
RCML-10	15.15	0.3	- 0.41	136.55	0.67	-378.17	3.04	1.13	0.01	5.18	2.45	0.02
RCML-11	15.53	0.31	- 0.32	387.65	1.08	57.49	3.30	1.22	0.37	3.164	0.08	-0.02
RCML-12	16.64	0.62	0.06	492.16	1.38	-385.69	4.42	1.01	-0.02	3.13	-0.03	-0.02
RCML-13	13.93	0.57	- 0.37	309.41	1.00	-379.71	4.58	0.87	0.07	4.32	0.28	-0.02
RCML-14	14.36	0.26	- 0.29	316.60	1.05	-377.86	4.56	0.8	0.03	4.30	0.12	-0.02
RCML-15	16.07 3	-0.33	0.54	254.80	1.14	5227.07	3.91	0.95	-0.01	4.429	0.08	-0.02
RCML-16	17.46	0.45	1.64	397.20	1.21	-379.8	3.88	0.9	-0.01	5.9	0.22	-0.02
RCNL-1	16.58	0.88	0.24	468.88	1.73	-384.48	5.13	1.12	-0.01	4.24	0.13	-0.02

RCNL-2	16.33	1.08	3.58	225.28	0.84	-383.63	5.04	1.09	0.02	3.95	1.4	0.01
RCNL-3	15.95	3.47	- 0.33	220.43	0.83	-383.34	4.25	1.18	0.08	4.36	0.18	-0.02
RCNL-4	18.33	1.12	6.49	225.88	0.86	-382.02	4.74	1.07	0.26	3.24	0.04	-0.02
RCNL-5	16.66	2.35	- 0.24	399.63	1.19	-382.51	4.24	1.19	0.29	4.59	5.82	0.06
Populati on mean	16.13			326.13			3.95			4.23		