

Additional file 1: *Cucumis* ssp. accessions analyzed by EcoTILLING. Accession number, taxonomic denomination, geographical origin and results of CVYV and MNSV susceptibility analyses are given for all accessions characterized in this work.

Accession number ^a	Species	Origin	EcoTILLING haplotype	CVYV ^b	MNSV-Mα5		MNSV-264	
					Les/cot ^c	Sys. Symp. ^d	Les/cot ^e	Sys. Symp. ^f
C-001	<i>Cucumis melo</i>	Spain	H.0	10/10	5	30%	18	15%
C-002	<i>Cucumis melo</i>	Spain	H.0	6/10	8	100%	>50	0%
C-008	<i>Cucumis melo</i>	Spain	H.0	10/10	2	0%	2	0%
C-010	<i>Cucumis melo</i>	Spain	H.0	- ^g	8	15%	>50	0%
C-012	<i>Cucumis melo</i>	Mexico	H.2	6/10	1	0%	1	0%
C-019	<i>Cucumis melo</i>	Spain	H.0	9/10	8	0%	>50	0%
C-025	<i>Cucumis melo</i>	Portugal	H.0	10/10	21	0%	9	0%
C-029	<i>Cucumis melo</i>	USA	H.0	11/19	3	0%	5	0%
C-035	<i>Cucumis melo</i>	Spain	H.3	7/10	10	100%	10	100%
C-040	<i>Cucumis melo</i>	Japan	H.0	10/10	20	0%	18	0%
C-046	<i>Cucumis melo</i>	USA	H.4	9/10	0	0	7	30%
C-048	<i>Cucumis melo</i>	Israel	H.0	10/10	7	0%	3	0%
C-053	<i>Cucumis melo</i>	Spain	H.0	9/10	6	100%	15	100%
C-055	<i>Cucumis melo</i>	Spain	H.0	10/10	7	50%	5	0%
C-058	<i>Cucumis melo</i>	Spain	H.0	10/10	4	0%	3	0%
C-062	<i>Cucumis melo</i>	Spain	H.0	10/10	7	25%	2	0%
C-065	<i>Cucumis melo</i>	Spain	H.0	10/10	4	13%	3	0%
C-066	<i>Cucumis melo</i>	Spain	H.0	10/10	12	0%	10	0%
C-069	<i>Cucumis melo</i>	Spain	H.0	-	6	0%	>50	0%
C-070	<i>Cucumis melo</i>	Spain	H.0	10/10	2	0%	3	0%
C-071	<i>Cucumis melo</i>	Spain	H.0	10/10	3	16%	3	0%
C-072	<i>Cucumis myriocarpus</i>	Unknown	No amplification	8/10	3	0%	2	0%
C-075	<i>Cucumis melo</i>	Spain	H.0	10/10	3	28%	5	14%
C-076	<i>Cucumis metuliferus</i>	Unknown	No amplification	5/5	2	0%	17	0%
C-078	<i>Cucumis melo</i>	Spain	H.0	8/10	7	0%	8	0%
C-087	<i>Cucumis melo</i>	Unknown	H.1	7/10	3	0%	8	0%
C-098	<i>Cucumis melo</i>	Spain	H.0	-	6	71%	>30	0%
C-105	<i>Cucumis melo</i>	Zimbabwe	H.5	8/10	>30	85%	25	60%
C-110	<i>Cucumis melo</i>	Spain	H.2	12/20	6	43%	15	43%
C-117	<i>Cucumis melo</i>	Zimbabwe	H.5	9/10	6	25%	12	0%

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					Les/cot ^c	Sys. Symp. ^d	Les/cot ^e	Sys. Symp. ^f
C-125	<i>Cucumis melo</i>	Zimbabwe	H.0	9/10	4	67%	6	0%
C-160	<i>Cucumis melo</i>	Ex URSS	H.0	10/10	5	71%	>50	0%
C-163	<i>Cucumis melo</i>	Ex URSS	H.1	10/10	20	0%	9	0%
C-169	<i>Cucumis melo</i>	Greece	H.0	10/10	9	0%	4	0%
C-172	<i>Cucumis melo</i>	Italy	H.0	8/8	<1	0%	5	0%
C-178	<i>Cucumis melo</i>	USA	H.4	9/10	0	0%	3	0%
C-182	<i>Cucumis melo</i>	China	H.1	10/10	5	0%	6	0%
C-187	<i>Cucumis melo</i>	Germany	H.0	10/10	10	14%	6	0%
c-192	<i>Cucumis melo</i>	India	H.0	9/10	6	14%	5	0%
C-194	<i>Cucumis melo</i>	Ex URSS	H.0	9/10	6	0%	5	0%
C-200	<i>Cucumis melo</i>	Mexico	H.0	10/10	10	0%	10	0%
C-204	<i>Cucumis melo</i>	Libya	H.3	10/10	3	0%	3	11%
C-205	<i>Cucumis africanus</i>	Unknown	H.3	0/10	<1	0%	<1	0%
C-219	<i>Cucumis melo</i>	Spain	Not tested	10/10	10	50%	18	0%
C-225	<i>Cucumis melo</i>	Spain	H.0	10/10	1	15%	3	0%
C-229	<i>Cucumis melo</i>	Spain	H.0	9/10	5	0%	5	0%
C-233	<i>Cucumis melo</i>	Spain	H.0	10/10	3	15%	2	0%
C-235	<i>Cucumis melo</i>	Spain	H.0	10/10	5	17%	3	0%
C-241	<i>Cucumis melo</i>	Spain	H.0	10/10	5	57%	5	20%
C-243	<i>Cucumis melo</i>	Spain	H.0	10/10	9	16%	8	16%
C-245	<i>Cucumis melo</i>	Spain	H.0	10/10	7	15%	6	0%
C-247	<i>Cucumis melo</i>	Libya	H.0	10/10	3	0%	2	0%
C-250	<i>Cucumis melo</i>	Spain	H.0	10/10	15	43%	8	0%
C-262	<i>Cucumis melo</i>	Libya	H.2	10/10	6	57%	5	29%
C-269	<i>Cucumis melo</i>	China	H.0	10/10	6	0%	6	0%
C-271	<i>Cucumis melo</i>	Spain	H.0	-	9	28%	>50	50%
C-273	<i>Cucumis melo</i>	USA	Not tested	10/10	8	0%	>50	0%
C-277	<i>Cucumis zeyheri</i>	Unknown	No amplification	0/10	0	0%	0	0%
C-278	<i>Cucumis melo</i>	Spain	H.0	-	6	83%	8	43%
C-300	<i>Cucumis melo</i>	Spain	H.0	7/10	2	15%	3	0%
C-305	<i>Cucumis melo</i>	Spain	H.0	-	5	43%	>50	0%
C-308	<i>Cucumis melo</i>	Spain	H.0	-	8	40%	8	0%
C-311	<i>Cucumis melo</i>	Beluchistan	H.0	10/10	>50	67%	6	0%

Accession number ^a	Species	Origin	EcoTILLING haplotype	CVYV ^b	MNSV-Mα5		MNSV-264	
					Les/cot ^c	Sys. Symp. ^d	Les/cot ^e	Sys. Symp. ^f
C-317	<i>Cucumis melo</i>	Spain	H.0	-	5	0%	50	0%
C-319	<i>Cucumis melo</i>	Spain	H.0	-	15	100%	50	100%
C-323	<i>Cucumis melo</i>	Spain	H.0	-	7	15%	50	0%
C-326	<i>Cucumis melo</i>	Spain	H.0	-	4	43%	>30	0%
C-330	<i>Cucumis melo</i>	Spain	H.0	-	14	100%	>50	86%
C-333	<i>Cucumis melo</i>	Spain	H.0	-	4	100%	8	28%
C-340	<i>Cucumis melo</i>	Beluchistan	H.0	-	>50	33%	>50	10%
C-343	<i>Cucumis melo</i>	Spain	H.0	-	2	33%	4	43%
C-344	<i>Cucumis melo</i>	Spain	H.0	-	10	72%	25	0%
C-352	<i>Cucumis melo</i>	Spain	H.0	-	5	14%	>50	0%
C-406	<i>Cucumis melo</i>	Spain	H.0	10/10	8	29%	6	0%
C-409	<i>Cucumis melo</i>	Spain	H.0	10/10	7	0%	5	0%
C-411	<i>Cucumis melo</i>	Spain	H.0	10/10	8	15%	10	15%
C-412	<i>Cucumis melo</i>	Spain	H.0	10/10	5	28%	2	0%
C-426	<i>Cucumis melo</i>	Spain	H.0	-	12	15%	7	0%
C-447	<i>Cucumis melo</i>	USA	H.0	10/10	15	43%	12	15%
C-451	<i>Cucumis melo</i>	Ex Yugoslavia	H.0	9/10	>50	17%	23	0%
C-457	<i>Cucumis melo</i>	Ex Yugoslavia	H.0	-	19	57%	>50	14%
C-488	<i>Cucumis melo</i>	Spain	H.0	9/10	>50	15%	3	13%
C-489	<i>Cucumis melo</i>	Spain	H.0	10/10	2	15%	4	0%
C-492	<i>Cucumis melo</i>	Spain	H.3	10/10	7	20%	>50	20%
C-498	<i>Cucumis melo</i>	Spain	H.0	10/10	5	50%	6	0%
C-512	<i>Cucumis melo</i>	Spain	H.4	10/10	0	0%	3	15%
C-523	<i>Cucumis melo</i>	Spain	H.0	10/10	8	0%	7	0%
C-538	<i>Cucumis melo</i>	Spain	H.0	8/10	9	0%	10	0%
C-590	<i>Cucumis dipsaceus</i>	Unknown	No amplification	0/10	0	0%	<1	0%
C-629	<i>Cucumis melo</i>	Italy	H.0	8/10	>50	20%	10	20%
C-630	<i>Cucumis africanus</i>	Unknown	No amplification	0/9	<1	0%	<1	0%
C-633	<i>Cucumis prophetarum</i>	Unknown	Not tested	0/10	<1	15%	<1	0%
C-635	<i>Cucumis meeusii</i>	Unknown	No amplification	10/10	0	0%	<1	0%
C-636	<i>Cucumis anguria</i>	Unknown	No amplification	10/10	0	0%	<1	0%
C-637	<i>Cucumis ficifolius</i>	Unknown	No amplification	7/10	<1	15%	<1	0%
C-641	<i>Cucumis melo</i>	Zambia	H.0	8/10	3	0%	2	0%

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					Les/cot ^c	Sys. Symp. ^d	Les/cot ^e	Sys. Symp. ^f
C-646	<i>Cucumis melo</i>	Spain	H.0	10/10	9	44%	4	0%
C-701	<i>Cucumis melo</i>	Pakistan	H.0	10/10	2	15%	4	0%
C-707	<i>Cucumis melo</i>	Pakistan	H.1	10/10	7	33%	6	15%
C-719	<i>Cucumis melo</i>	Ex Yugoslavia	H.0	10/10	4	17%	2	0%
C-726	<i>Cucumis melo</i>	Spain	H.0	10/10	>50	0%	3	0%
C-732	<i>Cucumis melo</i>	Unknown	H.2	9/10	2	0%	2	0%
C-747	<i>Cucumis melo</i>	Ex Yugoslavia	H.0	9/10	<1	0%	<1	0%
C-753	<i>Cucumis sp.</i>	Unknown	H.0	9/10	<1	15%	<1	15%
C-755	<i>Cucumis sp.</i>	Unknown	H.0	7/10	<1	0%	<1	0%
C-756	<i>Cucumis melo</i>	Spain	H.0	-	11	71%	>50	0%
C-757	<i>Cucumis melo</i>	Spain	H.0	-	>50	100%	>50	100%
C-758	<i>Cucumis melo</i>	Spain	H.0	9/10	>50	33%	<1	0%
C-759	<i>Cucumis melo</i>	Spain	H.5	9/10	6	0%	3	0%
C-761	<i>Cucumis melo</i>	Spain	H.0	10/10	3	33%	10	0%
C-762	<i>Cucumis melo</i>	Spain	Not tested	10/10	10	28%	6	0%
C-763	<i>Cucumis melo</i>	Spain	H.0	10/10	6	15%	1	0%
C-765	<i>Cucumis melo</i>	Spain	H.0	10/10	8	15%	2	0%
C-766	<i>Cucumis melo</i>	Spain	H.0	10/10	5	0%	3	0%
C-767	<i>Cucumis melo</i>	Spain	H.0	9/10	5	28%	5	0%
C-826	<i>Cucumis melo</i>	Spain	H.0	9/10	6	12%	3	0%
C-827	<i>Cucumis melo</i>	Spain	H.0	-	7	15%	10	0%
C-828	<i>Cucumis melo</i>	Spain	H.0	-	3	0%	5	0%
C-829	<i>Cucumis melo</i>	Spain	H.0	-	12	100%	>50	0%
C-830	<i>Cucumis melo</i>	Spain	H.0	-	9	100%	>50	0%
C-831	<i>Cucumis melo</i>	Spain	H.0	-	15	43%	5	0%
C-832	<i>Cucumis melo</i>	Spain	H.0	-	15	13%	>50	0%
C-834	<i>Cucumis melo</i>	Spain	H.0	9/10	10	0%	8	0%
C-837	<i>Cucumis melo</i>	Israel	H.0	8/10	5	0%	7	0%
C-839	<i>Cucumis melo</i>	Israel	H.0	9/10	6	25%	4	0%
C-840	<i>Cucumis melo</i>	Rusia	H.1	9/10	7	28%	5	0%
C-841	<i>Cucumis melo</i>	Israel	H.1	10/10	5	57%	3	0%
C-842	<i>Cucumis melo</i>	Israel	H.1	9/10	7	71%	5	15%
C-843	<i>Cucumis melo</i>	Ukraine	Not tested	10/10	4	25%	3	13%

Accession number ^a	Species	Origin	EcoTILLING haplotype	CVYV ^b	MNSV-Mα5		MNSV-264	
					Les/cot ^c	Sys. Symp. ^d	Les/cot ^e	Sys. Symp. ^f
C-844	<i>Cucumis melo</i>	Turkey	H.0	10/10	3	28%	4	15%
C-861	<i>Cucumis melo</i>	Germany	Not tested	9/10	1	0%	3	0%
C-862	<i>Cucumis melo</i>	Greece	Not tested	10/10	4	33%	2	33%
C-863	<i>Cucumis melo</i>	Germany	Not tested	10/10	4	25%	4	0%
C-864	<i>Cucumis melo</i>	Russia	Not tested	10/10	<1	20%	<1	0%
C-865	<i>Cucumis melo</i>	Georgia	Not tested	10/10	<1	17%	<1	0%
C-866	<i>Cucumis melo</i>	Germany	Not tested	10/10	<1	17%	6	0%
C-868	<i>Cucumis melo</i>	Ex URSS	Not tested	10/10	4	0%	<1	0%
C-869	<i>Cucumis melo</i>	Mongolia	Not tested	10/10	2	21%	9	0%
C-870	<i>Cucumis melo</i>	Italy	Not tested	10/10	12	28%	7	0%
C-872	<i>Cucumis melo</i>	Tadshikistan	Not tested	10/10	<1	75%	3	0%
C-874	<i>Cucumis melo</i>	Mongolia	Not tested	8/10	8	25%	2	0%
C-875	<i>Cucumis melo</i>	Irak	Not tested	10/10	90	57%	>50	57%
C-878	<i>Cucumis melo</i>	Italy	Not tested	5/10	2	100%	2	12%
C-880	<i>Cucumis melo</i>	Georgia	Not tested	10/10	5	0%	3	0%
C-881	<i>Cucumis melo</i>	Georgia	Not tested	10/10	15	15%	>50	28%
C-883	<i>Cucumis melo</i>	Canadá	Not tested	10/10	5	0%	10	8%
C-887	<i>Cucumis melo</i>	Albania	Not tested	9/10	6	28%	20	40%
C-889	<i>Cucumis melo</i>	Italy	Not tested	10/10	>50	57%	>50	15%
C-921	<i>Cucumis melo</i>	Spain	H.0	10/10	8	16%	2	0%
WMR-29	<i>Cucumis melo</i>	-	H.3	10/10	-	-	-	-

^aAccession numbers of germplasm collection of Estación Experimental “La Mayora”- CSIC (Málaga, Spain).

^bNumber of infected plants/ number of inoculated plants with CVYV at 15 dpi.

^cAverage number of local lesions / cotyledon after MNSV-Mα5 inoculation.

^dPercentage of plants showing systemic symptoms with MNSV-Mα5 at 5 dpi.

^eAverage number of local lesions / cotyledon after MNSV-264 inoculation.

^fPercentage of plants showing systemic symptoms with MNSV-264 at 5 dpi.

^gA dash (-) indicates that no data is available for this particular accession or observation.