

Screening cultivated and wild genotypes of water melon to identify resistance against *Fusarium oxysporum* f.sp. *niveum* race 2

Pal S.¹, Rao E.S.^{2*}, Thontadarya R.N.² and Sriram S.³

¹School of Crop Sciences, ICAR-Indian Agricultural Research Institute, Gauria Karma, Barhi 825405, Hazaribagh, Jharkhand, India

²Division of Vegetable Crops, ³Division of Crop Protection, ICAR- Indian Institute of Horticultural Research, Bengaluru 560 089, India

*Corresponding author Email: esrao1973@gmail.com

Supplementary Table 1 : List of genotypes used in the current study along with their area of collection, species and fruit quality traits

Sl. No.	IIHR Number	Name	Area of Collection	Species	Fruit shape	Flesh colour	Total soluble solids	Fruit bitterness
1	IIHR-9	Hybrid 313 derivative	USA	<i>C. lanatus</i>	Round	Pink	7.05	Absent
2	IIHR-10	Crimson Sweet	USA	<i>C. lanatus</i>	Round	Pink	6.70	Absent
3	IIHR-12	Summer Carnival hybrid derivative	Japan	<i>C. lanatus</i>	Round	Pink	6.60	Absent
4	IIHR-13	Summer Carnival hybrid derivative	Japan	<i>C. lanatus</i>	Round	Pink	6.60	Absent
5	IIHR-14	Taiwan	Taiwan	<i>C. lanatus</i>	Round	Salmon Yellow	6.60	Absent
6	IIHR-15	MHW-5	Maharashtra, India	<i>C. lanatus</i>	Round	Pink	7.50	Absent
7	IIHR-17	Pali Collection	Pali, India	<i>C. lanatus</i>	Round	Segregating between Pink and Salmon Yellow	6.30	Absent
8	IIHR-19		Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Canary Yellow		Absent
9	IIHR-20	Chattisgarh collection	Chattisgarh, India	<i>C. lanatus</i>	Round	Canary Yellow	6.88	Absent
10	IIHR-21	Jahajpur Collection	Jahajpur, India	<i>C. lanatus</i>	Round	Red	6.55	Slightly bitter
11	IIHR-30		India	<i>C. lanatus</i>	Round	Salmon Yellow	5.60	Absent
12	IIHR-38		India	<i>C. lanatus</i>	Round	Segregating between Pink and Salmon Yellow	6.20	Absent
13	IIHR-42	AHW-65	Bikaner, Rajasthan, India	<i>C. lanatus</i>	Round	Red	8.30	Absent
14	IIHR-43	Sadabahar	Delhi, India	<i>C. lanatus</i>	Round	Salmon Yellow	5.20	Slightly bitter
15	IIHR-47	CWH-7-Century Hybrid derivative	Delhi, India	<i>C. lanatus</i>	Elliptical	Orange	8.70	Absent
16	IIHR-51	Durgapura Lal	Durgapura, Rajasthan, India	<i>C. lanatus</i>	Round	Red	8.30	Absent
17	IIHR-52a	Durgapura Selection	Durgapura, Rajasthan, India	<i>C. lanatus</i>	Round	Segregating between Red and Salmon Yellow	7.20	Absent
18	IIHR-52c	Durgapura Selection	Durgapura, Rajasthan, India	<i>C. lanatus</i>	Elliptical	Red	10.34	Absent
19	IIHR-55	Johari Local	Johari, Rajasthan, India	<i>C. lanatus</i>	Elliptical	Pink	5.92	Absent
20	IIHR-60a	Waynad Collection	Waynad, Kerala, India	<i>C. lanatus</i>	Round	Segregating between Red and Salmon Yellow	7.20	Absent
21	IIHR-64	Arka Manik	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Pink	6.80	Bitter
22	IIHR-78	Alibaba	USA	<i>C. lanatus</i>	Elliptical	Red	9.60	Absent
23	IIHR-82	Red Seeded Citron	USA	<i>C. amarus</i>	Flattened	White	4.2	Bitter
24	IIHR-85	Red Seeded Citron	USA	<i>C. amarus</i>	Flattened	White	3.56	Slightly bitter
25	IIHR-86	Arka Muthu	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Red	9.80	Absent
26	IIHR-95	Fairfax	USA	<i>C. lanatus</i>	Round	Segregating between Pink and Salmon Yellow	6.40	Slightly bitter
27	IIHR-97	Golden Midget	USA	<i>C. lanatus</i>	Round	Red	9.30	Absent
28	IIHR-105	Melit Polski	India	<i>C. lanatus</i>	Round	Pink	8.73	Absent
29	IIHR-112	Small Shining Light	USA	<i>C. lanatus</i>	Round	Pink	10.90	Absent
30	IIHR-113	Sugar Baby	USA	<i>C. lanatus</i>	Round	Red	8.80	Absent
31	IIHR-114	Sugarlee	USA	<i>C. lanatus</i>	Round	Red	8.10	Absent
32	IIHR-125	Very Sweet	USA	<i>C. lanatus</i>	Fruit quality traits data not available			

33	IIHR-127	Tender Sweet	USA	<i>C. lanatus</i>	Broad Elliptical	Orange	9.68	Slightly bitter
34	IIHR-131	Golden Midget	USA	<i>C. lanatus</i>	Round	Red	9.78	Absent
35	IIHR-136	Mizoram Collection	Mizoram, India	<i>C. lanatus</i>	Round	Red	8.40	Absent
36	IIHR-137	Mizoram Collection	Mizoram, India	<i>C. amarus</i>	Round	Pink	8.50	Absent
37	IIHR-138	Indam Arjun Hybrid derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Broad Elliptical	Red	7.88	Absent
38	IIHR-139a	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Broad Elliptical	Pink	7.33	
39	IIHR-139b	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Red	7.00	Slightly bitter
40	IIHR-140a	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Elliptical	Red	8.80	Absent
41	IIHR-140b	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Red	5.70	Slightly bitter
42	IIHR-141a	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Elliptical	Pink	6.80	Absent
43	IIHR-141b	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Red	6.88	Absent
44	IIHR-142a	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Elliptical	Pink	6.50	Absent
45	IIHR-142b	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Pink	7.35	Absent
46	IIHR-143a	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>		Pink	7.00	Absent
47	IIHR-143b	Nunhens Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Round	Red	9.20	Absent
48	IIHR-145	Sweet Baby	Bangalore, Karnataka, India	<i>C. amarus</i>	Elliptical	Red	9.43	Absent
49	IIHR-147	Yellow Baby Hybrid Derivative	Bangalore, Karnataka, India	<i>C. lanatus</i>	Broad Elliptical	Canary Yellow	7.30	Absent
50	IIHR-151	IC0430191	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.90	Absent
51	IIHR-152	IC0430192	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.30	Absent
52	IIHR-153	IC0430193	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.66	Absent
53	IIHR-154	IC0430194	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.62	Absent
54	IIHR-155	IC0430195	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.10	Absent
55	IIHR-156	IC0430196	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.90	Absent
56	IIHR-157	IC0430197	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.67	Absent
57	IIHR-158	IC0430198	Rajasthan, India	<i>C. colocynthis</i>	Round	Canary Yellow	4.06	Absent
58	IIHR-159	IC0430199	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Pink	5.24	Absent
59	IIHR-161	IC0430201	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Pink	5.35	Slightly bitter
60	IIHR-162	IC0430202	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.30	Absent
61	IIHR-163	IC0430203	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Pink	4.16	Absent
62	IIHR-164	IC0430204	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.45	Absent
63	IIHR-165	IC0430205	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.00	Slightly bitter
64	IIHR-166	IC0430206	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	9.00	Slightly bitter
65	IIHR-167	IC0430207	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.30	Absent
66	IIHR-168	IC0430208	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.00	Absent

67	IHR-169	IC0430209	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.92	Absent
68	IHR-170	IC0430210	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.72	Absent
69	IHR-171	IC0430211	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.78	Absent
70	IHR-172	IC0430212	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.85	Absent
71	IHR-173	IC0430213	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.04	Absent
72	IHR-174	IC0430214	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	2.70	Absent
73	IHR-175	IC0430215	Rajasthan, India	<i>C. lanatus</i>	Broad Elliptical	Pink	4.20	Absent
74	IHR-176	IC0430216	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	8.35	Absent
75	IHR-177	IC0430217	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	2.80	Absent
76	IHR-178	IC0430218	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.18	Absent
77	IHR-179	IC0430219	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.40	Absent
78	IHR-180	IC0430220	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.93	Absent
79	IHR-181	IC0430221	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	3.51	Absent
80	IHR-182	IC0430222	Rajasthan, India	<i>C. lanatus</i>	Round	Canary Yellow	3.46	Absent
81	IHR-183	IC0430223	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.52	Slightly bitter
82	IHR-184	IC0430224	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.55	Absent
83	IHR-185	IC0430225	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.24	Absent
84	IHR-186	IC0430226	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Red	5.75	Absent
85	IHR-188	IC0449386	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.02	Slightly bitter
86	IHR-189	IC0449388	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.28	Absent
87	IHR-190	IC0449389	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.74	Absent
88	IHR-191	IC0449390	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.97	Slightly bitter
89	IHR-192	IC0449391	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.92	Absent
90	IHR-193	IC0449392	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.66	Slightly bitter
91	IHR-194	IC0449394	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.19	Slightly bitter
92	IHR-195	IC0449395	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.57	Absent
93	IHR-196	IC0449396	Gujarat, India	<i>C. colocynthis</i>	Round	White	3.52	Absent
94	IHR-197	IC0449398	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.82	Absent
95	IHR-198	IC0449399	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.39	Absent
96	IHR-199	IC0449400	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.70	Absent
97	IHR-200	IC0449401	Gujarat, India	<i>C. lanatus</i>	Elliptical	White	8.65	Absent
98	IHR-202	IC0449403	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.23	Absent
99	IHR-203	IC0449404	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.08	Slightly bitter
100	IHR-204	IC0449405	Gujarat, India	<i>C. colocynthis</i>	Round	White	3.09	Absent

101	IHR-205	IC0449409	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.43	Absent
102	IHR-206	IC0449411	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.16	Absent
103	IHR-207	IC0449413	Gujarat, India	<i>C. colocynthis</i>	Round	White	3.20	Slightly bitter
104	IHR-208	IC0449414	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.31	Slightly bitter
105	IHR-209	IC0449415	Gujarat, India	<i>C. colocynthis</i>	Round	White	1.98	Slightly bitter
106	IHR-210	IC0449416	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.70	Slightly bitter
107	IHR-212	IC0449418	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.15	Slightly bitter
108	IHR-213	IC0449419	Gujarat, India	<i>C. colocynthis</i>	Round	White	3.00	Slightly bitter
109	IHR-214	IC0449421	Gujarat, India	<i>C. colocynthis</i>	Round	White	2.58	Absent
110	IHR-216	IC0449424	Gujarat, India	<i>C. colocynthis</i>	Round	White	3.96	Absent
111	IHR-221	IC0315281	Rajasthan, India	<i>C. lanatus</i>	Broad Elliptical	Red	6.45	Absent
112	IHR-222	IC0315283	Rajasthan, India	<i>C. lanatus</i>	Round	Salmon Yellow	6.42	Absent
113	IHR-223	IC0315284	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Red	4.20	Absent
114	IHR-224	IC0345288	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.55	Absent
115	IHR-225	IC0315290	Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.55	Absent
116	IHR-226	IC0315304	Rajasthan, India	<i>C. lanatus</i>	Round	Red	7.52	Absent
117	IHR-227	IC0315306	Rajasthan, India	<i>C. lanatus</i>	Round	Red	8.80	Absent
118	IHR-228	IC0315313	Rajasthan, India	<i>C. lanatus</i>	Round	Red	7.20	Absent
119	IHR-229	IC0315321	Rajasthan, India	<i>C. lanatus</i>	Round	Red	8.06	Absent
120	IHR-230	IC0315324	Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.85	Absent
121	IHR-231	IC0315328	Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.84	Absent
122	IHR-233	IC0276288	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Red	6.85	Absent
123	IHR-236	IC0276339	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	6.95	Absent
124	IHR-240	IC0276354	Uttar Pradesh, India	<i>C. lanatus</i>	Fruit quality traits data not available			Absent
125	IHR-241	IC0276356	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Red	6.03	Absent
126	IHR-243	IC0276667	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Red	4.85	Absent
127	IHR-244	IC0276388	Rajasthan, India	<i>C. lanatus</i>	Round	Red	7.76	Absent
128	IHR-245	IC0276389	Rajasthan, India	<i>C. lanatus</i>	Round	Red	3.70	Absent
129	IHR-254	IC0523074	Kerala, India	<i>C. lanatus</i>	Round	Red	6.95	Absent
130	IHR-256	IC0523043	India	<i>C. lanatus</i>	Round	Red	5.20	Absent
131	IHR-257	IC0523044	India	<i>C. lanatus</i>	Round	Red	10.15	Absent
132	IHR-258	IC0523045	India	<i>C. lanatus</i>	Fruit quality traits data not available			Absent
133	IHR-259	IC0523046	India	<i>C. lanatus</i>	Round	Salmon Yellow	8.00	Absent
134	IHR-260	IC0523047	India	<i>C. lanatus</i>	Round	Segregating between Red and Canary Yellow	6.06	Absent

135	IHR-261	IC0523048	India	<i>C. lanatus</i>	Round	Pink	4.75	Absent
136	IHR-262	IC0523049	India	<i>C. lanatus</i>	Round	Salmon Yellow	9.33	Absent
137	IHR-264	IC0523051	Maharashtra, India	<i>C. lanatus</i>	Round	Red	6.60	Absent
138	IHR-266	IC0523053	Rajasthan, India	<i>C. lanatus</i>	Round	Salmon Yellow	4.90	Absent
139	IHR-267	IC0523055	Rajasthan, India	<i>C. lanatus</i>	Round	Red	4.00	Absent
140	IHR-268	IC0523056	Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.16	Absent
141	IHR-270	IC0523058	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	4.20	Absent
142	IHR-271	IC0523059	India	<i>C. lanatus</i>	Round	Pink	7.85	Absent
143	IHR-272	IC0523060	Tamil Nadu, India	<i>C. colocynthis</i>	Round	Segregating between Red and White	2.72	Absent
144	IHR-275	IC0523063	India	<i>C. lanatus</i>	Round	Pink	6.76	Absent
145	IHR-277	IC0523065	Delhi, India	<i>C. lanatus</i>	Round	Red	6.27	Absent
146	IHR-278	IC0523066	Maharashtra, India	<i>C. lanatus</i>	Round	Red	7.08	Absent
147	IHR-279	IC0523067	Karnataka, India	<i>C. lanatus</i>	Round	Pink	8.43	Absent
148	IHR-281	IC0523069	Rajasthan, India	<i>C. lanatus</i>	Round	Red	9.13	Absent
149	IHR-282	IC0523070	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	8.30	Absent
150	IHR-283	IC0523071	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.60	Absent
151	IHR-284	IC0523072	Rajasthan, India	<i>C. lanatus</i>	Round	Red	8.20	Absent
152	IHR-285	IC0523073	Karnataka, India	<i>C. lanatus</i>	Round	Red	8.00	Absent
153	IHR-286	IC0370470	Rajasthan, India	<i>C. colocynthis</i>	Round	Pink	5.65	Absent
154	IHR-287	IC0370485	Rajasthan, India	<i>C. colocynthis</i>	Round	White	3.26	Absent
155	IHR-288	IC0370505	Rajasthan, India	<i>C. lanatus</i>	Round	White	1.64	Absent
156	IHR-289	IC0370514	Rajasthan, India	<i>C. colocynthis</i>	Round	White	2.50	Slightly bitter
157	IHR-290	IC0370530	Rajasthan, India	<i>C. colocynthis</i>	Round	White	5.33	Slightly bitter
158	IHR-291	IC0370564	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.05	Absent
159	IHR-292	IC0370570	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.00	Absent
160	IHR-293	IC0373442	Rajasthan, India	<i>C. lanatus</i>	Round	White	4.76	Absent
161	IHR-294	IC0373494	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	2.00	Absent
162	IHR-295	IC0373510	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	4.07	Absent
163	IHR-296	IC0373514	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	6.00	Absent
164	IHR-297	IC0373515	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.00	Absent
165	IHR-298	IC0373540	Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.30	Absent
166	IHR-299	IC0373550	Rajasthan, India	<i>C. colocynthis</i>	Round	Pink	6.10	Absent
167	IHR-300	IC0373555	Rajasthan, India	<i>C. lanatus</i>	Round	Pink	5.03	Absent
168	IHR-303	EC687911	Moldova	<i>C. lanatus</i>	Round	Pink	8.20	Bitter

Screening water melon genotypes against *Fusarium oxysporum* f.sp. *niveum* race 2



169	IHR-310	EC687918	Nigeria	<i>C. mucospermus</i>	Round	White	6.00	Absent
170	IHR-314	EC676831	Thailand	<i>C. lanatus</i>	Round	Pink	8.00	Bitter
171	IHR-316	EC676833	Thailand	<i>C. lanatus</i>	Round	Red	6.20	Absent
172	IHR-317	EC676836	Thailand	<i>C. lanatus</i>	Broad Elliptical		6.60	Absent
173	IHR-320	EC676839	Thailand	<i>C. lanatus</i>	Round	Pink	6.30	Absent
174	IHR-323	EC676843	Thailand	<i>C. lanatus</i>	Round	Red	7.10	Absent
175	IHR-325	EC676845	Thailand	<i>C. lanatus</i>	Round	Pink	7.00	Absent
176	IHR-337	EC676859	Thailand	<i>C. lanatus</i>	Round	Red	7.30	Absent
177	IHR-339	EC677154	USA	<i>C. lanatus</i>	Round	Red	4.00	Absent
178	IHR-342	EC676868	Thailand	<i>C. lanatus</i>	Round	Red	7.20	Absent
179	IHR-351	EC678822	China	<i>C. lanatus</i>	Round	Pink	6.60	Absent
180	IHR-352	EC678823	China	<i>C. lanatus</i>	Round	Red	5.40	Absent
181	IHR-353	EC759804	China	<i>C. lanatus</i>	Elliptical	Red	5.60	Absent
182	IHR-354	EC759805	USA	<i>C. lanatus</i>	Pyriiform	Red	5.30	Absent
183	IHR-356	EC759807	USA	<i>C. lanatus</i>	Round	Red	4.40	Absent
184	IHR-357a	EC794420	USA	<i>C. lanatus</i>	Round	Red	5.80	Absent
185	IHR-357b	EC794420	USA	<i>C. lanatus</i>	Round	Red		Absent
186	IHR-358	EC794421	USA	<i>C. lanatus</i>	Round	Red	5.10	Absent
187	IHR-359	EC794422	USA	<i>C. lanatus</i>	Round	Red	3.30	Absent
188	IHR-360	EC794423	USA	<i>C. lanatus</i>	Round	Pink	2.90	Absent
189	IHR-362	EC794425	USA	<i>C. lanatus</i>	Oblong	Pink	3.30	Absent
190	IHR-365	EC794428	USA	<i>C. lanatus</i>	Round	Red	3.20	Absent
191	IHR-366	EC794429	USA	<i>C. lanatus</i>	Round	Red	3.80	Absent
192	IHR-367	EC794430	USA	<i>C. lanatus</i>	Round	Red	2.70	Bitter
193	IHR-368	EC794431	USA	<i>C. lanatus</i>	Round	Pink	3.50	Absent
194	IHR-369	EC794432	USA	<i>C. lanatus</i>	Round	Red	5.40	Absent
195	IHR-370	EC794433	USA	<i>C. lanatus</i>	Elliptical	Red	4.10	Absent
196	IHR-374	EC794437	USA	<i>C. lanatus</i>	Round	Pink	3.80	Absent
197	IHR-377	EC794440	USA	<i>C. lanatus</i>	Broad Elliptical	Pink	3.80	Absent
198	IHR-380	EC794443	USA	<i>C. lanatus</i>	Round	Red	4.40	Absent
199	IHR-381	EC794444	USA	<i>C. lanatus</i>	Round	Pink	4.90	Absent
200	IHR-382	EC794445	USA	<i>C. lanatus</i>	Oblong	Pink	5.20	Bitter
201	IHR-383	EC794446	USA	<i>C. lanatus</i>	Elliptical	Red	4.20	Absent
202	IHR-385	EC794448	USA	<i>C. lanatus</i>	Round	Pink	3.20	Slightly bitter

203	IHR-387	EC794450	USA	<i>C. lanatus</i>	Oblong	Pink	7.20	Absent
204	IHR-388	EC794451	USA	<i>C. lanatus</i>	Round	Pink	7.30	Absent
205	IHR-389	EC794452	USA	<i>C. lanatus</i>	Round	Pink	6.00	Absent
206	IHR-390	EC794453	USA	<i>C. lanatus</i>	Elliptical	Pink	4.60	Absent
207	IHR-391	EC794454	USA	<i>C. lanatus</i>	Round	Pink	4.80	Absent
208	IHR-392	EC794455	USA	<i>C. lanatus</i>	Round	Pink	6.80	Absent
209	IHR-393	EC794456	USA	<i>C. lanatus</i>	Round	Pink	8.00	Absent
210	IHR-394	EC794457	USA	<i>C. lanatus</i>	Oblong	Pink	3.00	Absent
211	IHR-395	EC794458	USA	<i>C. lanatus</i>	Elliptical	Pink	3.50	Absent
212	IHR-397	EC794460	USA	<i>C. lanatus</i>	Round	Pink	2.90	Absent
213	IHR-398	EC794461	USA	<i>C. lanatus</i>	Round	Canary Yellow	3.90	Absent
214	IHR-399	EC794462	USA	<i>C. lanatus</i>	Round	Pink	3.90	Absent
215	IHR-400	EC794463	USA	<i>C. lanatus</i>	Elliptical	Pink	2.60	Absent
216	IHR-401	EC794464	USA	<i>C. lanatus</i>	Round	Canary Yellow	3.00	Absent
217	IHR-402	EC794465	USA	<i>C. lanatus</i>	Round	Pink	3.55	Absent
218	IHR-403	EC794466	USA	<i>C. lanatus</i>	Round	Pink	1.80	Absent
219	IHR-404	EC794467	USA	<i>C. lanatus</i>	Round	Pink	2.40	Absent
220	IHR-405	EC794468	USA	<i>C. lanatus</i>	Round	Pink	3.10	Absent
221	IHR-407	EC794470	USA	<i>C. lanatus</i>	Round	Pink	2.50	Absent
222	IHR-440	EC797210	USA	<i>C. lanatus</i>	Round	Pink	7.90	Absent
223	IHR-441	EC797211	USA	<i>C. lanatus</i>	Round	Pink	5.80	Absent
224	IHR-442	EC797212	USA	<i>C. lanatus</i>	Elliptical	Pink	5.00	Absent
225	IHR-443	EC797213	USA	<i>C. lanatus</i>	Round	Pink	5.00	Absent
226	IHR-446	EC797216	USA	<i>C. lanatus</i>	Round	Pink	5.00	Slightly bitter
227	IHR-452	EC797222	USA	<i>C. lanatus</i>	Elliptical	Pink	7.00	Slightly bitter
228	IHR-453	EC797223	USA	<i>C. lanatus</i>	Round	Pink	7.00	Absent
229	IHR-455	EC797225	USA	<i>C. lanatus</i>	Pyriiform	Pink	7.50	Absent
230	IHR-456	EC797226	USA	<i>C. lanatus</i>	Oblong	Pink	7.10	Absent
231	IHR-457	IC076317	Madhya Pradesh, India	<i>C. lanatus</i>	Round	Red	3.20	Absent
232	IHR-469	IC0550986	Uttar Pradesh, India	<i>C. colocynthis</i>	Fruit quality traits data not available			
233	IHR-474	IC0550991	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	8.75	Absent
234	IHR-476	IC0550993	Uttar Pradesh, India	<i>C. lanatus</i>	Fruit quality traits data not available			
235	IHR-484	IC0551002	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	5.00	
236	IHR-485	IC0551003	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	5.83	Absent

237	IHR-486	IC0551004	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	5.35	Absent
238	IHR-487	IC0551005	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	10.00	Absent
239	IHR-488	IC0551006	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	4.20	Absent
240	IHR-490	IC0551008	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	6.47	Absent
241	IHR-492	IC0551010	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Red	6.80	Slightly bitter
242	IHR-493	IC0551011	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	9.03	Absent
243	IHR-495	IC0551013	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	7.10	Slightly bitter
244	IHR-496	IC0551014	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Salmon Yellow	7.00	Slightly bitter
245	IHR-498	IC0551016	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	10.00	Absent
246	IHR-499	IC0551017	Bihar, India	<i>C. colocynthis</i>	Fruit quality traits data not available			
247	IHR-500	IC0551018	India	<i>C. lanatus</i>	Round	Salmon Yellow	5.20	
248	IHR-506	IC0605434	India	<i>C. lanatus</i>	Round	Red	5.77	Slightly bitter
249	IHR-508	IC0605411	India	<i>C. lanatus</i>	Round	Pink	5.10	Absent
250	IHR-509	EC677155	USA	<i>C. lanatus</i>	Round	Pink	8.90	Absent
251	IHR-510	EC677165	Ghana	<i>C. mucospermus</i>	Round	Salmon Yellow	3.10	Slightly bitter
252	IHR-512	EC677190	Senegal	<i>C. lanatus</i>	Round	pink	3.30	Slightly bitter
253	IHR-513	EC677148	Zambia	<i>C. mucospermus</i>	Round	White	3.10	Bitter
254	IHR-514	EC677135	Zimbabwe	<i>C. mucospermus</i>	Round	White	8.50	Bitter
255	IHR-515	EC677132	South Africa	<i>C. mucospermus</i>	Round	White	4.04	Bitter
256	IHR-516	EC677144	Zimbabwe	<i>C. mucospermus</i>	Round	White	2.60	Bitter
257	IHR-517	EC677169	Mali	<i>C. mucospermus</i>	Elliptical	White	4.00	Absent
258	IHR-518	EC677177	USA	<i>C. mucospermus</i>	Round	White	3.26	Slightly bitter
259	IHR-519	EC677157	Nigeria	<i>C. mucospermus</i>	Round	White	3.00	Slightly bitter
260	IHR-520	EC677173	USA	<i>C. mucospermus</i>	Round	White	3.45	Slightly bitter
261	IHR-521	EC677175	USA	<i>C. mucospermus</i>	Round	White	3.00	Slightly bitter
262	IHR-522	EC677160	Senegal	<i>C. mucospermus</i>	Flattened	White	7.20	Slightly bitter
263	IHR-523	EC677191	Nigeria	<i>C. mucospermus</i>	Round	White	3.18	Bitter
264	IHR-524	EC677201	USA	<i>C. mucospermus</i>	Round	White	7.23	Bitter
265	IHR-525	EC677154	USA	<i>C. mucospermus</i>	Round	White	4.00	Slightly bitter
266	IHR-526	EC677192	Nigeria	<i>C. mucospermus</i>	Round	White	3.38	Slightly bitter
267	IHR-527	IC550974	UP, INDIA	<i>C. mucospermus</i> Broad Elliptical		Red	8.00	Bitter
268	IHR-528	EC677199	Nigeria	<i>C. mucospermus</i>	Round	White	3.69	Absent
269	IHR-529	EC677178	USA	<i>C. mucospermus</i>	Round	White	3.20	Slightly bitter
270	IHR-531	EC677131	Gujarat, India	<i>C. mucospermus</i>	Round	White	2.70	Bitter

271	IHR-532	EC677136	USA	<i>C. mucospermus</i>	Round	White	3.50	Absent
272	IHR-533	EC677176	USA	<i>C. mucospermus</i>	Round	White	5.40	Absent
273	IHR-534	EC677184	USA	<i>C. mucospermus</i>	Elliptical	White	4.10	Absent
274	IHR-535	EC677187	Nigeria	<i>C. mucospermus</i>	Elliptical	White	3.90	Absent
275	IHR-536	EC677170	Nigeria	<i>C. mucospermus</i>	Round	White	3.80	Absent
276	IHR-537	EC677166	Nigeria	<i>C. mucospermus</i>	Round	White	5.00	Absent
277	IHR-538	EC677197	USA	<i>C. lanatus</i>	Round	White	5.00	Slightly bitter
278	IHR-539	EC677153	Nigeria	<i>C. lanatus</i>	Broad Elliptical	White	6.40	Slightly bitter
279	IHR-540	EC677147	Botswana	<i>C. mucospermus</i>	Round	White	3.14	Slightly bitter
280	IHR-541	EC677168	USA	<i>C. mucospermus</i>	Round	White	7.00	Bitter
281	IHR-542	EC677196	Nigeria	<i>C. mucospermus</i>	Round	White	6.60	Bitter
282	IHR-543	EC677162	Senegal	<i>C. mucospermus</i>	Round	White	3.80	Bitter
283	IHR-544	EC677194	Nigeria	<i>C. mucospermus</i>	Flattened	White	3.96	Bitter
284	IHR-545	EC677195	Nigeria	<i>C. mucospermus</i>	Round	White	2.91	Absent
285	IHR-546	EC677158	Nigeria	<i>C. mucospermus</i>	Round	White	3.32	Slightly bitter
286	IHR-547	EC677134	South Africa	<i>C. mucospermus</i>	Round	White	3.50	Bitter
287	IHR-548	EC677139	Zimbabwe	<i>C. mucospermus</i>	Round	White	6.80	Bitter
288	IHR-549	EC677146	Botswana	<i>C. mucospermus</i>	Round	White	3.78	Bitter
289	IHR-550	EC677169	Mali	<i>C. mucospermus</i>	Round	White	4.00	Bitter
290	IHR-551	EC677163	Senegal	<i>C. lanatus</i>	Round	Salmon Yellow	5.07	Slightly bitter
291	IHR-552	EC677151	Gujarat, India	<i>C. mucospermus</i>	Round	White	4.75	Bitter
292	IHR-553	EC677159	Senegal	<i>C. lanatus</i>	Elliptical	Pink	2.70	Slightly bitter
293	IHR-554	EC677186	Nigeria	<i>C. lanatus</i>	Round	Canary Yellow	3.63	Absent
294	IHR-556	EC677179	USA	<i>C. mucospermus</i>	Round	White	3.20	Absent
295	IHR-557	EC677182	Nigeria	<i>C. mucospermus</i>	Round	White	3.70	Bitter
296	IHR-558	EC677172	USA	<i>C. mucospermus</i>	Round	White	3.00	Bitter
297	IHR-559	EC677198	USA	<i>C. mucospermus</i>	Round	White	5.30	Bitter
298	IHR-560	EC677181	USA	<i>C. mucospermus</i>	Round	White	2.73	Slightly bitter
299	IHR-561	EC677174	USA	<i>C. mucospermus</i>	Round	White	3.13	Bitter
300	IHR-563	IC0408362	India	<i>C. colocynthis</i>			4.20	Bitter
301	IHR-564	IC0605428	India	<i>C. colocynthis</i>	Round	Red	3.54	Slightly bitter
302	IHR-566	IC0523054	Rajasthan, India	<i>C. lanatus</i>	Round	Canary Yellow	6.40	Absent
303	IHR-567	IC076317	India	<i>C. lanatus</i>	Round	White	3.20	Absent
304	IHR-568	IC0605414	India	<i>C. colocynthis</i>			2.60	Absent

305	IIHR-569	IC0605429	India	<i>C. colocynthis</i>	Round	Red	3.50	Slightly bitter
306	IIHR-570	IC0605413	India	<i>C. lanatus</i>	Round	Pink	2.53	Absent
307	IIHR-571	IC0605755	India	<i>C. lanatus</i>	Round	White	3.80	Absent
308	IIHR-572	IC0605694	India	<i>C. colocynthis</i>	Round	Pink	2.40	Absent
309	IIHR-573	IC0605275	India	<i>C. colocynthis</i>	Round	Red	3.10	Slightly bitter
310	IIHR-574	IC0605406	India	<i>C. colocynthis</i>	Round	Pink	2.90	Slightly bitter
311	IIHR-578	IC0583400	Uttar Pradesh, India	<i>C. colocynthis</i>	Round	Pink	3.55	Absent
312	IIHR-579	IC0606686	India	<i>C. lanatus</i>	Round	Red	6.80	Absent
313	IIHR-580	IC0281231	Rajasthan, India	<i>C. lanatus</i>	Elliptical	Pink	2.70	Absent
314	IIHR-581	IC0605427	India	<i>C. lanatus</i>	Round	Pink	4.80	Absent
315	IIHR-582	IC0321547	Uttar Pradesh, India	<i>C. colocynthis</i>	Round	Pink	1.00	
316	IIHR-584	IC0329639	India	<i>C. lanatus</i>	Round	Salmon Yellow	2.10	
317	IIHR-585	IC0113139	Rajasthan, India	<i>C. lanatus</i>	Round	Red	5.05	Slightly bitter
318	IIHR-586	IC0605423	India	<i>C. lanatus</i>	Round	Red	2.00	Absent
319	IIHR-587	IC0321381	Uttar Pradesh, India	<i>C. mucospermus</i>	Round	Red	4.50	Absent
320	IIHR-589	IC0604754	India	<i>C. lanatus</i>	Round	Red	5.80	Absent
321	IIHR-590	IC0604490	India	<i>C. lanatus</i>	Fruit quality traits data not available			
322	IIHR-591	IC0550997	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	3.70	Absent
323	IIHR-592	IC0321381	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Red	4.50	Absent
324	IIHR-593	IC0590087	Rajasthan, India	<i>C. lanatus</i>	Round	Salmon Yellow	4.84	Absent
325	IIHR-594	IC0321399	Uttar Pradesh, India	<i>C. lanatus</i>	Round	Pink	5.43	Absent
326	IIHR-595	IC0584139	Karnataka, India	<i>C. lanatus</i>	Round	Pink	4.20	Absent
327	IIHR-597	IC0605409	India	<i>C. lanatus</i>	Round	Red	4.58	Slightly bitter
328	IIHR-603	IC0399654	India	<i>C. lanatus</i>	Round	Pink	3.55	Absent
329	IIHR-604	IC0605419	India	<i>C. lanatus</i>	Round	Salmon Yellow	7.00	Absent
330	IIHR-605	IC0550975	Uttar Pradesh, India	<i>C. mucospermus</i>	Round	White	2.65	Absent
331	IIHR-606	IC0550977	Uttar Pradesh, India	<i>C. mucospermus</i>	Round	White	4.20	Slightly bitter
332	IIHR-607	SUMAN (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Oblong	Red	11.10	Absent
333	IIHR-608	PS-298 (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Oblong	Red	11.33	Absent
334	IIHR-609	SUPRIT (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Broad Elliptical	Red	10.40	Absent
335	IIHR-610	AYUSH (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Oblong	Red	9.68	Absent
336	IIHR-611	NS-295 (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Oblong	Red	9.80	Absent
337	IIHR-615	IIHR-615	India	<i>C. lanatus</i>	Fruit quality traits data not available			
338	NS-20	NS-20 (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Elliptical	Red	10.20	Absent
339	NS-450	NS-450 (F1)	Bangalore, Karnataka, India	<i>C. lanatus</i>	Elliptical	Red	9.62	Absent
340	VRW-3	VRW-3	Bikaner, Rajasthan, India	<i>C. lanatus</i>	Round	Red	6.70	Absent
341	IIHR-82 × Arka Manik (F ₁)	IIHR-82 × Arka Manik (F ₁)	Generated at ICAR-IIHR, Bangalore, Karnataka, India		Round	White	5.5	Absent

