

Supplementary Table S1. Grouping of horse gram germplasm with respect to HgYMV infestation

S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group
1	PLS 6001	47.50	7	S	26	PLS 6040	46.75	7	S	51	PLS 6080	33.75	6	S
2	PLS 6002	1.42	1	HR	27	PLS 6041	39.50	7	S	52	PLS 6081	48.50	7	S
3	PLS 6003	46.25	7	S	28	PLS 6043	17.00	5	MS	53	PLS 6082	18.75	5	MS
4	PLS 6004	19.75	5	MS	29	PLS 6046	48.00	7	S	54	PLS 6083	48.75	7	S
5	PLS 6005	18.75	5	MS	30	PLS 6047	12.50	4	MR	55	PLS 6085	42.50	7	S
6	PLS 6006	19.50	5	MS	31	PLS 6048	18.75	5	MS	56	PLS 6088	37.50	7	S
7	PLS 6007	18.75	5	MS	32	PLS 6049	29.25	6	S	57	PLS 6089	18.75	5	MS
8	PLS 6008	12.00	4	MR	33	PLS 6050	48.75	7	S	58	PLS 6090	17.00	5	MS
9	PLS 6009	18.75	5	MS	34	PLS 6051	17.00	5	MS	59	PLS 6092	12.25	4	MR
10	PLS 6013	12.00	4	MR	35	PLS 6052	43.00	7	S	60	PLS 6094	48.75	7	S
11	PLS 6014	12.25	4	MR	36	PLS 6059	37.50	7	S	61	PLS 6095	66.25	7	S
12	PLS 6015	46.25	7	S	37	PLS 6060	12.50	4	MR	62	PLS 6097	19.25	5	MS
13	PLS 6016	19.00	5	MS	38	PLS 6061	43.75	7	S	63	PLS 6099	32.00	6	S
14	PLS 6019	18.75	5	MS	39	PLS 6062	18.75	5	MS	64	PLS 6102	37.50	7	S
15	PLS 6021	17.00	5	MS	40	PLS 6063	18.75	5	MS	65	PLS 6103	46.25	7	S
16	PLS 6023	18.75	5	MS	41	PLS 6064	19.25	5	MS	66	PLS 6104	18.00	5	MS
17	PLS 6025	15.75	5	MS	42	PLS 6066	43.75	7	S	67	PLS 6105	16.75	5	MS
18	PLS 6030	19.00	5	MS	43	PLS 6068	39.25	7	S	68	PLS 6106	18.75	5	MS
19	PLS 6033	40.00	7	S	44	PLS 6069	42.50	7	S	69	PLS 6107	12.50	4	MR
20	PLS 6034	16.00	5	MS	45	PLS 6071	16.00	5	MS	70	PLS 6109	43.75	7	S
21	PLS 6035	18.25	5	MS	46	PLS 6072	48.75	7	S	71	PLS 6110	16.00	5	MS
22	PLS 6036	18.75	5	MS	47	PLS 6073	41.00	7	S	72	PLS 6111	17.00	5	MS
23	PLS 6037	16.00	5	MS	48	PLS 6074	17.00	5	MS	73	PLS 6112	46.25	7	S
24	PLS 6038	19.25	5	MS	49	PLS 6077	18.75	5	MS	74	PLS 6113	37.50	6	S
25	PLS 6039	11.50	4	MR	50	PLS 6078	12.50	4	MR	75	PLS 6114	18.75	5	MS

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S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group
76	PLS 6115	18.00	5	MS	101	PLS 6183	19.50	5	MS	126	PLS 6224	12.50	4	MR
77	PLS6116	12.50	4	MR	102	PLS 6184	33.75	6	S	127	PLS 6226	19.00	5	MS
78	PLS 6118	37.50	7	S	103	PLS 6185	17.00	5	MS	128	PLS 6227	12.75	4	MR
79	PLS 6119	46.25	7	S	104	PLS 6186	18.75	5	MS	129	PLS 6228	26.25	6	S
80	PLS 6120	42.50	7	S	105	PLS 6190	19.00	5	MS	130	PLS 6229	28.50	6	S
81	PLS 6121	48.75	7	S	106	PLS 6192	29.75	6	S	131	PLS 6230	18.00	5	MS
82	PLS 6125	19.00	5	MS	107	PLS 6193	37.50	6	S	132	PLS 6231	12.50	4	MR
83	PLS 6131	18.75	5	MS	108	PLS 6194	75.00	9	HS	133	PLS 6232	16.00	5	MS
84	PLS 6135	14.25	4	MR	109	PLS 6196	41.00	7	S	134	PLS 6233	18.75	5	MS
85	PLS 6140	48.75	7	S	110	PLS 6197	18.50	5	MS	135	PLS 6234	12.50	3	MR
86	PLS 6141	18.75	5	MS	111	PLS 6199	26.25	6	S	136	PLS 6236	36.25	7	S
87	PLS 6142	18.75	5	MS	112	PLS 6200	48.75	7	S	137	PLS 6237	48.75	7	S
88	PLS 6150	16.50	5	MS	113	PLS 6201	12.50	4	MR	138	PLS 6240	36.25	7	S
89	PLS 6151	19.00	5	MS	114	PLS 6202	46.25	7	S	139	PLS 6242	17.00	5	MS
90	PLS 6154	16.50	5	MS	115	PLS 6205	43.75	7	S	140	PLS 6244	48.75	7	S
91	PLS 6161	29.50	6	S	116	PLS 6206	47.50	7	S	141	PLS 6245	12.50	4	MR
92	PLS 6164	33.75	7	S	117	PLS 6208	18.00	5	MS	142	PLS 6246	42.50	7	S
93	PLS 6165	17.00	5	MS	118	PLS 6211	18.75	5	MS	143	PLS 6247	13.25	4	MR
94	PLS 6168	18.75	5	MS	119	PLS 6212	12.25	4	MR	144	PLS 6250	18.75	5	MS
95	PLS 6169	33.75	7	S	120	PLS 6213	43.75	7	S	145	PLS 6251	42.50	7	S
96	PLS 6172	46.25	7	S	121	PLS 6216	26.25	6	S	146	PLS 6252	26.25	6	S
97	PLS 6175	26.25	6	S	122	PLS 6217	16.00	5	MS	147	PLS 6253	19.00	5	MS
98	PLS 6177	48.75	7	S	123	PLS 6218	17.00	5	MS	148	PLS 6255	48.75	7	S
99	PLS 6179	17.00	5	MS	124	PLS 6219	18.50	5	MS	149	PLS 6256	43.75	7	S
100	PLS 6181	13.25	4	MR	125	PLS 6221	18.75	5	MS	150	PLS 6258	46.25	7	S

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S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group
151	PLS 6260	18.00	5	MS	176	HG 8	18.75	5	MS	201	HG 59	46.25	7	S
152	PLS 6261	46.25	7	S	177	HG 9	17.00	5	MS	202	HG 61	22.50	7	S
153	PLS 6262	18.75	5	MS	178	HG 9A	42.50	7	S	203	HG 63	18.00	5	MS
154	PLS 6263	12.50	4	MR	179	HG 12	46.25	7	S	204	HG 67	12.50	4	MR
155	PLS 6266	29.00	6	S	180	HG 14	43.75	7	S	205	HG 68	26.25	6	S
156	PLS 6268	23.25	6	S	181	HG 18	16.00	5	MS	206	HG 72	42.50	7	S
157	PLS 6269	12.50	4	MR	182	HG 19	18.25	5	MS	207	HG 78	44.75	7	S
158	PLS 6270	23.75	6	S	183	HG 21	48.75	7	S	208	HG 79	19.00	5	MS
159	PLS 6272	48.75	7	S	184	HG 23	16.00	5	MS	209	HG 80	42.50	7	S
160	PLS 6275	18.75	5	MS	185	HG 27	46.25	7	S	210	HG 85	14.00	5	MS
161	PLS 6278	12.50	4	MR	186	HG 28	12.50	4	MR	211	HG 86	46.25	7	S
162	PLS 6279	42.50	7	S	187	HG 30	18.00	5	MS	212	HG 90	12.50	4	MR
163	PLS 6280	27.50	6	S	188	HG 31	18.75	5	MS	213	HG 92	47.75	7	S
164	PLS 6281	17.00	5	MS	189	HG 34	40.00	7	S	214	HG 93	18.75	5	MS
165	[PLS 6282	18.75	5	MS	190	HG 35	43.75	7	S	215	HG 94	13.00	5	MS
166	PLS 6055	43.75	7	S	191	HG 36	48.75	7	S	216	HG 95	17.00	5	MS
167	PLS 6132	48.75	7	S	192	HG 37	26.25	6	S	217	HG 96	48.75	7	S
168	PLS 6117	19.00	5	MS	193	HG 38	16.00	5	MS	218	HG 101	12.50	4	MR
169	PLS 6096	12.50	4	MR	194	HG 41	18.75	5	MS	219	HG 112	42.50	7	S
170	PLS 6018	18.75	5	MS	195	HG 43	45.00	7	S	220	HG 114	19.00	5	MS
171	PLS 6070	46.25	7	S	196	HG 47	48.75	7	S	221	HG 115	42.75	7	S
172	HG 2	40.00	7	S	197	HG 50	18.75	5	MS	222	HG 116	46.75	7	S
173	HG 4	48.75	7	S	198	HG 54	12.50	4	MR	223	HG 119	44.25	6	S
174	HG 5	18.75	5	MS	199	HG 57	18.75	5	MS	224	HG 120	12.50	4	MR
175	HG 5A	18.00	5	MS	200	HG 58	40.00	6	S	225	HG 121	43.75	7	S

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S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group	S.No	Genotype	PDI	Rating	Group
226	HG 121-4	18.75	5	MS	235	2416082	12.50	4	MR	244	2447523	12.50	4	MR
227	HG 122	31.25	7	S	236	2416112	43.75	7	S	245	2447889	48.75	7	S
228	HG 125	48.75	7	S	237	2416171	46.25	7	S	246	2448987	46.25	7	S
229	HG 204	42.50	7	S	238	2416446	42.50	7	S	247	2448984	50.00	7	S
230	HG 376	13.25	4	MR	239	2448985	43.00	7	S	248	2449350	18.75	5	MS
231	HG 473	42.50	7	S	240	2449349	19.00	5	MS	249	2447858	19.00	5	MS
232	2415016	19.00	5	MS	241	2449351	48.75	7	S	250	2449320	43.75	7	S
233	2415443	18.75	5	MS	242	2449352	31.25	7	S	251	PAIYUR 2	12.25	4	MR
234	2415806	17.00	5	MS	243	2447527	46.75	7	S	252	CRIDA 1- 18R	12.50	3	MR
											HG 22: SC	75.00	7	HS

S- Susceptible

MS: Moderately susceptible

HS: Highly susceptible

MR: Moderately resistant

HR: Highly Resistant

SC: Susceptible check