

PPSN 2022-23

AVT No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS
1	HS691	1.3	10MR	0.4	5MR	0.6	5MS	10.8	40S
2	HS692	7.4	20MS	3.1	10S	11.6	60S	13.8	60S
3	VL3028	11.0	40S	4.6	10MS	1.9	5S	11.3	80S
4	HPW484	18.2	40S	3.9	10MS	4.9	20S	15.1	20MS
5	VL907(C)	2.0	20MR	3.6	10MS	3.8	20MS	21.4	80S
6	VL892(C)	5.4	20S	1.2	5MS	3.2	20MS	28.2	80S
7	HPW349(C)	22.1	60S	10.1	40MS	3.9	20S	13.1	80S
8	HS562(C)	27.5	60S	16.9	40S	9.8	20S	14.2	80S
9	VL2041(I)(C)	9.5	20S	5.3	10S	1.8	10MS	24.4	60S
10	PBW887	11.5	40S	3.7	10MS	2.5	10S	17.8	40S
11	PBW889	11.6	40S	4.1	20MS	1.3	5MS	9.2	40S
12	HD3386	4.0	20S	2.6	20MR	11.0	40S	13.7	60S
13	HD3470	38.5	60S	14.0	20S	22.3	60S	36.3	80S
14	HI1668	13.7	60S	4.0	10S	8.0	20S	19.8	80S
15	DBW386	2.8	20MS	4.1	20MS	4.9	20S	12.3	60S
16	UP3102	7.6	20S	5.4	20MS	2.4	15MS	9.2	40MS
17	HD3428	5.3	20MS	1.2	5MS	1.1	5S	13.8	60S
18	PBW893	9.5	20S	1.4	10MS	0.1	TMS	2.0	10MS
19	K2108	2.7	20MR	2.3	10S	1.2	5S	10.5	40S
20	HD3059(C)	4.1	20MS	1.1	10MR	7.4	20S	27.7	60S
20A	Infector	72.5	100S	80.0	100S	78.8	100S	79.2	90S
21	DBW173(C)	0.9	10MR	0.7	5MS	1.9	10MS	7.3	40MS
22	PBW771(C)	8.0	20MS	6.0	20MS	3.3	10S	8.8	40S
23	JKW261(C)	21.3	60S	4.3	20S	3.1	15MS	20.0	60S
24	WH1402	7.5	20S	5.6	20MS	1.8	10S	1.8	10MS
25	WH1311	12.3	40S	3.5	20MS	1.9	10S	10.3	60S
26	UP3111	10.0	20MS	8.0	20MS	13.0	40S	12.7	60S
27	PBW899	19.3	40S	14.3	40S	2.6	20MS	5.0	20MS
28	PBW644(C)	9.4	20S	7.4	20MS	20.6	60S	22.3	60S
29	DBW296(C)	6.3	20MS	1.5	5MS	3.9	15S	6.4	40MS
30	HD3369(I)(C)	14.0	40S	5.4	20S	4.3	20S	7.3	60S*
31	HI1653(I)(C)	12.7	40S	9.1	40S	8.6	20S	13.2	60S
32	HI1654(I)(C)	2.3	10MS	1.4	5MS	1.5	10S	9.9	60S
33	HD3388	8.3	20MS	4.0	20MS	4.9	20S	8.6	40S
34	HD3471	11.3	20S	1.4	5MS	9.5	40S	11.8	60S
35	HD3249(C)	13.5	40S	2.9	10MS	1.6	5S	11.7	60S
36	HD3086(C)	38.0	60S	14.6	20S	31.3	80S	19.0	80S
37	HD2967(C)	5.4	10S	8.0	20S	7.1	20S	40.2	80S
38	DBW222(C)	10.1	40S	4.1	20MS	0.9	5MR	19.2	40S
39	PBW826(I)(C)	3.6	10MS	6.0	20MS	9.9	40S	14.3	60S
40	DBW398	10.9	40S	10.0	40MS	11.1	40S	17.4	80S
40A	Infector	70.0	100S	80.0	100S	80.0	100S	77.5	90S
41	HI1612(C)	29.5	60S	5.8	10MS	11.0	40S	16.0	80S
42	K1317(C)	12.3	40MS	7.4	20MS	7.8	40S	16.4	40S
43	HD3171(C)	18.6	40S	28.6	60S	41.0	80S	25.5	60S
44	HD3293(C)	18.0	40S	15.1	30S	26.8	60S	11.5	40S
45	DBW252(C)	9.0	20S	6.6	20S	4.3	10MS	14.4	40S
46	NWS2194	10.2	20S	8.3	20MS	0.1	TMR	47.4	100S
47	HI1669	3.8	10MS	2.1	5MS	0.3	5MR	57.2	100S

AVT No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS
48	HI1670	8.5	20MS	0.9	5MS	2.6	20S	58.3	100S
49	GW547	2.1	20MR	0.3	5MR	1.4	10S	33.3	100S
50	GW513(C)	3.8	10MS	0.1	TMR	8.9	60S*	62.5	100S
51	HI1636 (C)	5.0	20MS	0.6	10R	3.5	20MS	56.3	80S
52	HI1650(I)(C)	3.1	10MS	0.6	5MS	1.3	5S	39.8	100S
53	MACS6768(I)(C)	11.3	20S	4.3	20MS	3.0	20S	66.7	80S
54	HI1674	5.8	20MS	1.0	10MR	1.6	10S	55.5	100S
55	AKAW5104	11.4	40S	1.2	20MR	2.5	20MS	59.7	100S
56	HD2932(C)	17.5	30MS	27.4	40S	33.1	60S	57.3	100S
57	MP4010(C)	15.8	40S	30.9	60S	42.3	60S	54.7	80S
58	HI1634(C)	3.9	10MS	3.7	10S	8.8	60S*	67.5	80S
59	CG1029(C)	3.3	10S	2.9	10S	2.5	10S	46.7	90S
60	DBW359	7.3	20S	5.5	20MS	14.5	40S	8.6	20MS
60A	Infector	72.5	100S	82.9	100S	81.3	100S	80.0	100S
61	DBW441	10.7	40S	10.6	20S	12.5	40S	45.2	80S
62	DBW442	13.8	40S	16.9	20S	19.0	40S	40.2	70S
63	CG1040	18.3	40S	14.9	30S	18.3	40S	50.2	80S
64	MP3288(C)	7.4	20MS	2.4	10MS	10.6	60S	40.7	80S
65	DBW110(C)	17.0	40S	7.7	20MS	6.6	20S	43.3	80S
66	CG1036(I)(C)	5.8	20MS	3.1	10MS	8.6	60S*	68.3	100S
67	HI1655(I)(C)	1.5	10MS	1.2	5MS	0.3	5MR	38.3	100S
68	UAS3020	44.8	60S	9.7	20MS	5.2	20S	18.6	40S
69	UAS3021	15.3	40S	10.9	40S	0.4	5MR	13.7	40S
70	MACS6811	28.8	60S	15.9	40S	2.5	20MS	29.7	60S
71	MACS6809	10.8	20S	4.2	20MS	1.0	10MS	50.8	80S
72	NIAW4183	2.5	5MS	1.6	5S	6.3	40S	63.3	100S
73	NIAW4153	2.5	20MR	1.9	5MS	6.0	40S	65.8	100S
74	AKAW5314	10.4	20S	8.0	20S	1.8	10S	58.3	100S
75	AKAW5100	2.5	10MS	4.3	20S	1.3	10S	41.2	90S
76	MP1378	5.0	20MS	3.6	10MS	1.6	10S	56.3	100S
77	MP1386	36.0	60S	35.4	60S	23.6	80S	77.5	100S
78	DBW443	4.5	20MS	5.2	20MS	9.2	40S	15.5	40S
79	DBW444	5.9	20S	8.0	20S	6.9	40S	8.9	25S
80	HD3469	14.0	40S	22.6	40S	40.0	60S	30.8	60S
80A	Infector	72.5	100S	82.9	100S	81.3	100S	79.2	100S
81	NWS2222	7.3	20MS	5.7	20MS	19.7	60S	30.0	60S
82	PWU15	4.5	20MS	2.6	10MS	8.5	60S*	57.5	100S
83	WH1306	11.9	40S	8.4	20S	11.1	20S	8.3	20S
84	PBW891	6.6	20MS	8.0	20S	4.4	20S	30.3	90S
85	HI8841(d)	6.0	20S	4.1	20MS	2.2	20S	13.2	60S
86	UP3083	11.2	40S	3.7	10S	4.4	20S	11.5	60S
87	MACS3949(d)(C)	16.3	60S	5.5	20S	1.2	5S	11.0	40S
88	HI8826(d)(I)(C)	5.0	10S	2.6	10S	1.3	10MS	15.0	60S
89	MACS4100(d)(I)(C)	34.5	60S	8.9	20S	1.6	TS	11.3	60S
90	MACS6222 (C)	6.8	20MS	8.0	20S	1.9	10S	33.3	100S
91	HI1672	5.5	20MS	1.3	5MS	0.0	0	70.0	100S
92	HI1673	6.8	20MS	2.6	10MS	6.0	40S	62.3	100S
93	HI1675	3.8	20S	1.2	10MS	0.3	5MR	56.4	100S
94	DBW394	9.9	20S	5.6	20MS	1.6	10S	29.2	80S
95	DBW395	6.8	20MS	6.6	20MS	7.6	40S	30.4	100S
96	MACS6814	7.8	20MS	2.9	10S	0.6	10MR	34.9	100S

AVT No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS
97	MACS6805	16.0	40S	6.6	20MS	0.5	10MR	35.8	100S
98	NIAW4114	6.8	20MS	1.7	10MR	0.6	5MS	70.0	100S
99	NIAW4120	2.6	10MS	2.0	10MS	1.0	10MS	68.3	100S
100	UAS3022	8.3	20S	2.1	10MS	0.0	0	32.0	80S
100A	Infector	72.5	100S	80.0	100S	78.8	100S	79.2	100S
101	UAS3023	29.5	60S	12.9	40S	11.1	40S	20.4	40S
102	MP3557	9.2	30S	9.1	20S	4.1	15MS	13.9	40MS
103	MP3556	6.2	20S	12.6	40S	7.4	20S	9.9	60S
104	PBW897	6.3	20MS	5.4	20MS	0.0	0	42.4	80S
105	MP1388	5.0	10MS	15.9	40S	11.6	40S	59.2	100S
106	GW542	6.3	20MS	12.3	20S	15.0	60S	60.0	100S
107	GW538	3.0	10MS	3.6	20MS	0.5	5MS	38.3	60S
108	WH1310	10.6	40S	1.3	5S	1.0	10MS	12.3	80S
109	LOK79	2.8	10MS	1.7	20MR	8.0	60S*	61.7	100S
110	RAJ4083(C)	5.3	20MS	5.7	20MS	7.8	20S	37.7	60S
111	HD3090(C)	4.9	20MS	1.9	10MS	0.4	5MR	49.3	80S
112	HI1633(C)	3.5	10S	1.2	10MS	3.5	20S	43.8	80S
113	UAS478(d)	31.3	60S	3.2	10S	0.6	5MS	6.2	40S
114	UAS481(d)	12.0	40S	5.5	20MS	1.0	10MS	11.8	80S
115	HI1665	1.8	20MR	2.9	20S	2.8	20S	57.2	100S
116	HI8840(d)	11.8	40S	6.1	20MS	1.8	10MS	5.1	20S
117	DBW397	2.6	10MS	4.0	10S	7.9	40S	15.3	40S
118	DDW61(d)	27.3	40S	5.5	20MS	2.0	20MS	9.9	60S
119	NIAW4028	1.1	5S	0.7	10MR	2.5	20S	49.7	90S
120	HI1605(C)	7.3	30S	16.6	40MS	21.1	60S	36.5	100S
120A	Infector	72.5	100S	82.9	100S	83.8	100S	80.8	100S
121	NIAW3170(C)	19.5	40S	6.6	20MS	14.0	60S	26.7	60S
122	UAS446(d)(C)	14.6	60S	3.7	20S	9.3	60S*	7.9	30S
123	NIDW1149(d)(C)	6.2	20S	1.2	5MS	8.0	60S*	7.9	40S
124	DBW380	16.5	40S	4.3	20MS	0.4	5MR	12.0	40S
125	DBW370(I)(C)	23.3	60S	9.5	40S	1.2	5MS	19.8	60S
126	DBW371(I)(C)	16.9	60S	4.0	20MS	0.6	5MS	20.2	60S
127	DBW372(I)(C)	10.8	40MS	7.5	20S	8.4	40S	29.2	80S
128	PBW872(I)(C)	5.2	20MS	4.6	20MS	4.0	20S	20.3	80S
129	DBW377	9.3	20S	4.6	20S	1.5	5MS	18.0	80S
130	CG1044	11.5	40S	9.6	20S	18.9	80S	55.0	100S
131	GW543	8.8	20S	7.7	20MS	3.1	10MS	37.2	100S
132	DBW187(C)	9.2	20S	3.2	10S	0.9	5S	12.7	60S
133	DBW303(C)	8.6	20S	8.1	40S	0.9	5MS	14.8	60S
134	GW322(C)	9.0	20S	11.1	40S	20.0	60S	45.0	100S
134A	Infector	70.0	100S	80.0	100S	81.3	100S	79.2	100S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
1	HD3472	12.4	20S	6.0	10S	15.7	40S	8.4	40MS
2	HD3444	21.5	40S	9.4	20S	6.1	20S	12.0	40S
3	HD3445	10.5	20S	5.5	20MS	5.6	40S	6.8	40S
4	HD3446	9.0	20S	6.3	20MS	15.9	60S	1.7	5S
5	HD3447	19.2	60S	5.2	20MS	3.9	10S	6.5	40MS
6	DBW408	13.2	40S	3.5	20MS	0.8	5S	9.7	60S
7	DBW409	10.5	40S	2.9	10MS	0.1	TMS	5.5	40S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
8	DBW410	2.7	10MS	4.9	20MS	2.6	10MS	7.4	40S
9	DBW411	7.8	20S	6.0	20MS	2.0	15MR	7.9	60S*
10	DBW412	4.9	20MS	3.7	10S	2.3	10MS	7.3	40S
11	PBW908	30.3	60S	7.0	20S	2.7	10S	3.2	40MS
12	PBW909	3.5	10S	3.9	10MS	4.1	10S	0.8	20MR
13	PBW910	7.4	20S	4.3	20MS	3.8	20S	11.1	40S
14	PBW911	6.3	20S	1.8	10MS	0.2	TS	4.9	40MR
15	PBW912	1.1	5S	3.3	20S	0.0	0	6.5	60S*
16	UP3121	14.8	20S	10.9	40S	0.5	5MS	21.4	70S
17	UP3122	22.6	40S	5.4	10S	0.2	TMS	8.1	60S
18	UP3123	17.3	40S	5.1	10MS	1.4	5S	8.4	60S
19	RAJ4576	2.8	10MS	11.7	40S	6.5	20S	11.6	60S
20	RAJ4577	4.0	10MS	1.7	20MR	1.0	5S	14.7	80S
20A	Infector	72.5	100S	77.1	100S	78.8	100S	80.8	100S
21	RAJ4578	8.8	20S	4.0	10S	3.8	20MS	14.8	60S
22	WH1315	12.8	40S	5.2	20MS	2.0	20MS	1.4	20MR
23	WH1316	5.0	20S	3.7	10S	0.5	5MS	21.8	40S
24	NW8072	17.5	40S	7.0	20S	4.4	20S	15.3	40S
25	K2201	35.0	80S	11.7	20S	3.8	20S	14.7	60S
26	HUW854	17.5	40S	9.1	40S	0.7	5S	25.1	60S
27	BRW3944	13.9	60S	5.1	20MS	11.8	40S	15.5	40S
28	KRL2106	10.3	40S	4.6	20MS	1.0	5MS	8.3	40S
29	JAUW711	14.8	60S	7.5	20S	3.4	10S	16.0	80S
30	NWS2442	2.5	10S	4.3	20S	1.7	5S	8.3	40S
31	BCW28	14.1	20S	6.7	20MS	12.2	40S	2.2	20MR
32	UBW18	1.4	10MR	8.1	20MS	11.4	40S	10.1	40S
33	SVPWL21-15	18.3	80S	14.0	40S	16.4	80S	3.8	40MS
34	HD3086(C)	39.5	80S	21.4	40S	29.0	60S	14.7	60S
35	HD3448	7.2	20S	7.7	40S	2.7	10S	10.3	60S
36	HD3449	18.3	60S	6.9	20S	1.4	5S	5.0	40MS
37	HP1978	9.2	60S*	1.8	10S	0.3	5MR	4.3	40MS
38	HP1979	1.3	10MS	1.5	10MS	0.0	0	1.8	10S
39	HD3467	9.9	20S	8.9	30S	11.9	40S	1.7	10MS
40	DBW413	6.4	20MS	7.4	20MS	22.5	60S	10.8	40S
40A	Infector	70.0	100S	77.1	100S	78.8	100S	77.5	90S
41	DBW414	13.0	40S	4.9	20MS	5.2	20MS	18.5	60S
42	DBW415	20.1	40S	4.9	10S	1.8	10S	26.1	80S
43	DBW416	12.5	40MS	4.9	10S	1.5	5S	14.7	60S
44	DBW417	15.4	40S	4.0	10S	1.6	10S	14.8	60S
45	PBW913	7.0	20S	5.0	20S	2.3	10S	2.1	20MR
46	PBW914	1.7	5S	0.7	10MR	0.0	0	18.2	40S
47	PBW915	15.1	40S	3.7	20MS	0.3	5MR	2.4	10S
48	PBW916	16.5	40S	5.4	20MS	0.1	TR	1.9	10S
49	PBW917	6.2	20S	8.1	20MS	8.8	20S	14.7	40S
50	UP3124	27.7	80S	8.9	20MS	7.9	20S	11.3	60S
51	UP3125	30.3	80S	5.2	20MS	2.0	10MS	5.6	20MS
52	UP3132	7.3	20S	3.8	10S	3.4	20S	8.8	20S
53	NW8073	5.9	20MS	11.2	40S	15.0	40S	20.0	40S
54	NW8075	6.9	20MS	11.5	40S	3.9	10S	19.1	60S
55	WH1317	17.8	40S	10.9	40S	15.6	60S	18.9	40S
56	WH1318	8.4	20S	10.3	40S	13.8	40S	13.6	40S
57	K2203	0.7	5MS	2.5	10S	0.5	5MS	24.6	60S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
58	K2204	23.0	40S	6.9	20S	0.5	10MR	22.1	60S
59	BRW3946	11.0	40S	13.7	40S	8.0	20S	32.4	60S
60	BRW3942	5.1	20S	9.7	40S	18.2	40S	15.8	60S
60A	Infector	72.5	100S	80.0	100S	78.8	100S	76.7	90S
61	RAJ4579	13.3	40S	11.7	40S	6.2	20S	19.0	80S
62	JKW305	9.5	20MS	9.9	20S	5.6	20S	22.5	60S
63	HUW855	7.1	20MS	7.4	20S	3.3	20S	23.2	40S
64	NWS2216	28.3	80S	3.5	10S	1.9	10S	17.2	40S
65	BCW29	9.6	40S	6.9	40S	3.8	10S	5.3	40MS
66	UBW19	21.1	40S	15.3	60S	19.8	40S	0.7	5MS
67	SVPWL21-07	6.1	20MS	1.8	10MS	2.5	20S	6.8	40S
68	DBW222(C)	9.4	20S	4.0	20MS	0.8	5S	18.6	60S
69	HD3450	3.9	10S	5.2	20S	6.9	40S	6.4	40MS
70	HD3451	1.5	10MR	12.4	40S	7.5	40S	36.5	80S
71	HI1683	2.1	10MS	0.9	5MS	6.1	40S	43.8	80S
72	HI1684	3.0	10MS	1.1	5MS	6.3	40S	59.5	100S
73	MACS6826	2.6	5S	10.3	40S	5.8	20S	18.5	80S
74	MACS6837	5.7	20MS	5.7	20MS	0.1	TMS	33.8	60S
75	MACS6842	3.5	10S	5.1	10S	8.8	20S	23.9	60S
76	MACS6844	6.5	20S	8.0	20S	4.9	20S	57.5	80S
77	GW548	2.3	10MS	8.9	20S	15.3	60S	35.0	80S
78	GW549	1.5	10MR	1.5	10MS	4.5	20S	49.2	90S
79	GW550	2.5	20MR	1.1	5MS	2.3	20MS	41.3	60S
80	DBW418	2.1	10MS	2.9	20MS	5.6	40S	3.4	10S
80A	Infector	70.0	100S	77.1	100S	78.8	100S	77.5	90S
81	DBW419	16.3	40S	18.9	40S	16.4	40S	15.5	40S
82	UAS3025	8.6	40S	2.9	20S	0.0	0	29.4	60S
83	UAS3026	10.5	20S	6.0	20MS	0.1	TMR	36.4	60S
84	MP3570	9.5	20S	12.0	40S	10.3	40S	33.8	60S
85	MP3573	4.8	20S	6.0	20S	9.8	40S	5.1	15MS
86	NIAW4364	8.4	20MS	12.6	40S	17.4	40S	38.6	80S
87	NIAW4440	13.3	20S	15.4	40S	11.2	40S	25.1	40S
88	MP1392	1.1	10MR	2.3	10MS	1.3	0	60.3	100S
89	MP1393	7.1	20S	7.1	20S	0.7	5S	30.8	60S
90	GW554	2.1	10MS	1.4	10MS	1.1	5S	60.8	90S
91	GW555	2.3	10MS	2.0	10S	2.1	20MS	58.3	100S
92	PWU16	1.8	10MR	1.7	5MS	2.0	10S	51.5	100S
93	PWU20	3.1	10MS	4.0	20MS	1.3	10S	45.5	90S
94	PBW918	4.8	10S	5.1	20S	4.1	20S	9.9	40S
95	RAJ4582	9.0	20S	5.4	20MS	6.5	10S	11.2	60S
96	CG1045	9.3	20S	8.6	20MS	7.4	40S	13.7	60S
97	AKAW5347	10.1	40MS	7.5	40MS	11.8	40S	36.3	70S
98	PBN16-1766	9.8	20S	10.3	20S	7.3	40S	41.7	90S
99	LOK80	5.1	10MS	2.9	20MS	5.1	40S	37.1	80S
100	NWS2170	8.4	20S	5.7	20S	8.3	20S	20.4	60S
100A	Infector	72.5	100S	77.1	100S	81.3	100S	74.2	90S
101	BW18R6016	3.6	10S	5.4	20MS	31.3	60S	36.8	80S
102	GW322(C)	4.8	20MS	8.3	20S	20.8	60S	47.2	80S
103	DBW187(C)	12.1	60S	4.6	20MS	8.4	40S	9.8	40S
104	MACS6222(C)	4.3	10S	1.5	5MS	1.3	5S	24.4	100S
105	HD3452	14.3	20S	6.6	10S	4.0	20S	12.0	60S
106	HD3453	12.3	20S	5.3	20MS	4.5	20S	11.6	60S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
107	HD3454	5.9	10S	4.6	20S	1.9	10S	1.0	20MR
108	HD3455	17.3	40S	9.4	20S	10.6	40S	3.3	10S
109	HP1980	1.3	5MS	0.3	5MR	0.0	0	4.4	40MS
110	DBW420	15.3	40S	7.1	20MS	2.9	10MS	9.8	60S
111	DBW421	30.9	60S	14.9	40S	21.3	40S	16.2	60S
112	DBW422	22.8	40S	14.4	40MS	9.1	20S	15.2	80S
113	DBW423	17.5	40S	6.9	20S	1.3	5S	19.7	60S
114	DBW424	8.8	20S	5.1	20MS	0.1	TMS	1.2	20MR
115	PBW919	10.5	20S	2.9	10MS	2.5	20S	2.0	15S
116	PBW920	22.5	40S	9.2	20S	2.6	10S	9.5	70S*
117	PBW921	14.0	20S	5.7	20MS	2.5	10S	1.5	10S
118	PBW922	9.9	20S	2.6	20MS	2.5	20S	1.5	10S
119	PBW923	10.3	40S	2.9	20MS	1.4	10S	4.6	40S
120	WH1322	5.9	10S	5.2	20MS	5.3	20S	17.2	80S
120A	Infector	70.0	100S	77.1	100S	78.8	100S	80.8	100S
121	WH1323	12.7	40S	3.9	20MS	11.7	60S*	13.8	100S
122	WH1324	9.2	20S	3.8	10S	3.1	20S	13.8	80S
123	K2206	12.8	20S	8.3	20S	0.0	0	9.1	40MS
124	K2207	5.3	10S	2.3	10MS	0.3	5MR	13.6	60S
125	K2208	22.3	40S	4.3	20MS	1.3	10S	14.0	60S
126	RAJ4580	23.0	60S	14.0	40S	13.9	40S	7.1	40MS
127	RAJ4581	18.4	60S	4.1	20S	3.1	20S	6.4	40MS
128	NW8055	10.5	20S	6.3	20S	5.7	20S	24.2	40S
129	NW8071	12.7	40S	6.0	20MS	8.5	40S	15.7	60S
130	UP3126	14.5	40S	10.3	40S	12.0	40S	10.0	40S
131	UP3127	13.0	40S	2.9	10MS	5.1	10S	25.6	60S
132	JKW303	10.8	40S	16.0	60S	19.4	60S	12.2	60S
133	BRW3941	2.7	20S	3.4	10S	2.4	10S	27.6	60S
134	BCW30	7.5	20S	9.7	30S	13.0	40S	26.3	80S
135	UBW20	11.5	40S	14.9	40S	7.4	40S	13.0	40S
136	SVPWL21-14	17.9	40S	15.4	40S	7.4	40S	7.2	40S
137	HD3059(C)	9.4	40S	2.6	10S	0.7	5S	30.6	60S
138	DBW173(C)	1.2	5MS	0.3	5MR	0.7	5S	13.2	40MS
139	HI1563(C)	1.2	10MR	0.3	10R	5.0	40S	49.1	100S
140	DBW107(C)	20.7	60S	14.0	30S	17.3	40S	24.3	80S
140A	Infector	70.0	100S	77.1	100S	78.8	100S	74.2	90S
141	HD3456	10.5	20MS	6.3	20MS	10.1	60S	18.9	80S
142	HI1685	3.6	10MS	1.2	20MR	5.0	40S	54.5	80S
143	HI1686	1.1	10MR	0.0	R	7.0	40S	59.7	100S
144	HI1687	2.3	10MS	2.3	10S	2.5	20S	48.0	100S
145	DBW425	9.3	20S	4.2	10MS	9.6	40S	3.8	10S
146	DBW426	4.6	10S	0.6	10MR	1.4	10S	11.5	40S
147	UAS3027	4.8	20S	1.1	10MR	1.1	5S	39.6	90S
148	UAS3028	6.0	20MS	4.4	20MS	0.3	5MR	43.3	100S
149	MP3568	0.5	5MR	1.5	10S	5.0	40S	52.5	100S
150	MP3575	2.6	10MS	17.4	40S	9.5	20S	44.2	80S
151	NIAW4300	1.5	10MS	4.0	20MS	2.5	20MS	43.3	80S
152	NIAW4432	2.4	15MS	0.6	10MR	1.3	10S	42.1	80S
153	MACS6829	2.1	20MR	1.2	10MS	1.0	10MS	53.0	90S
154	MACS6830	2.1	20MR	0.6	5MS	1.0	10MS	59.7	100S
155	GW551	1.1	10MR	0.0	R	5.0	40S	47.0	80S
156	GW558	3.1	15MS	1.8	20MR	1.3	10S	45.7	80S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
157	WSM138	1.8	10S	0.2	5R	0.7	5S	32.9	60S
158	CG1046	7.3	20S	12.3	40S	20.1	60S	52.3	100S
159	WH1325	11.0	40S	5.7	20MS	8.1	20S	20.6	60S
160	GW556	5.0	15MS	2.9	10MS	9.4	40S	63.0	100S
160A	Infector	70.0	100S	77.1	100S	81.3	100S	80.0	90S
161	LOK81	18.3	60S	12.2	40S	13.6	60S	53.0	100S
162	PBW924	12.3	40S	2.9	10MS	0.0	0	6.1	40S
163	MP1394	2.5	10MS	1.4	10MR	0.7	5MS	11.5	80S
164	HD2864(C)	4.1	20MS	1.1	20MR	7.5	60S*	58.2	100S
165	HD2932(C)	17.5	60S	23.4	60S	14.0	40S	56.7	100S
166	HI8848(d)	7.0	40S	3.8	10S	1.2	10MS	12.5	40S
167	HI8849(d)	7.5	40S	2.6	10S	1.1	10MS	4.6	20MS
168	HI8850(d)	14.5	60S	6.3	20S	0.6	5MS	3.7	40MS
169	NIDW1499(d)	6.3	40S	0.9	5MS	0.1	TS	9.0	40MS
170	NIDW1534(d)	22.0	80S	2.9	10MS	1.5	10S	4.8	20S
171	NIDW1520(d)	13.5	60S	3.8	20MS	0.1	TMS	3.6	20S
172	DDW62(d)	11.3	60S	1.6	5S	0.6	5MS	4.9	40MS
173	DDW63(d)	21.0	80S	2.3	20MS	1.2	5S	7.4	20S
174	UAS482(d)	19.5	80S	2.6	10S	1.4	10S	5.1	40MS
175	UAS483(d)	13.3	60S	0.9	5MS	0.3	5MR	6.7	40MS
176	PDW364(d)	28.3	60S	3.7	20MS	0.5	5MS	3.7	10S
177	PDW365(d)	18.5	40S	3.2	20MS	0.1	TMR	3.5	40MS
178	MPO1395(d)	13.0	20S	3.2	20MS	1.3	10S	5.1	40MS
179	MPO1396(d)	4.8	20MS	1.5	20MR	0.1	TMR	6.4	40MS
180	MACS4125(d)	6.0	20S	1.3	20MR	0.0	0	4.6	40MS
180A	Infector	72.5	100S	77.1	100S	76.3	100S	77.5	100S
181	MACS4135(d)	8.8	40S	2.6	20MS	2.8	20S	9.8	60S
182	GW1365(d)	4.8	20S	3.1	20MS	2.1	20MS	5.9	40S
183	GW1366(d)	1.8	10S	0.0	R	0.5	5MS	10.6	40S
184	WHD968(d)	38.8	60S	17.4	80S	1.0	5MS	12.4	40S
185	PWU24(d)	6.3	40S	0.6	5MS	0.6	5MS	5.9	40S
186	GW1367(d)	6.2	20S	0.6	5MR	0.1	TMR	9.8	60S
187	AKDW5516	6.1	20MS	2.9	20MS	0.6	10MR	7.3	40S
188	HI8713(d)(C)	11.3	40S	0.6	5MR	0.9	5MS	16.4	60S
189	HI8737(d)(C)	5.0	20S	0.6	5MR	0.2	5R	7.5	40S
190	MACS3949(d)(C)	15.0	40S	4.3	20S	1.6	10MS	6.1	40S
191	HD3457	9.5	20S	2.3	10MS	2.0	10S	2.9	40MS
192	HD3458	19.0	80S	29.1	60S	33.1	60S	3.1	40MS
193	HD3459	16.5	60S	6.3	20MS	7.2	20S	18.0	80S
194	HD3460	15.5	60S	8.0	20MS	1.5	10S	14.9	60S
195	HD3468	16.2	60S	12.7	40S	9.8	20S	9.9	60S
196	DBW427	40.5	80S	19.4	40S	28.0	60S	15.9	80S
197	DBW428	1.4	10MS	2.9	20S	3.8	15S	13.0	80S
198	DBW429	5.0	20S	8.6	40S	0.6	5MS	14.5	60S
199	DBW430	12.1	60S	4.0	20MS	2.1	10S	25.1	60S
200	PBW925	13.5	40S	4.0	20MS	0.1	TMS	9.3	60S
200A	Infector	72.5	100S	77.1	100S	78.8	100S	79.2	100S
201	PBW926	5.0	10S	2.3	10MS	11.2	60S	15.3	60S
202	PBW927	4.3	10S	3.7	20MS	2.6	20S	1.7	10MS
203	PBW928	5.1	10S	23.6	60S	32.5	60S	1.8	10MS
204	UP3129	12.5	40S	1.7	10MS	1.3	5S	24.6	60S
205	UP3133	5.3	20S	0.3	5MR	0.0	0	28.1	60S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
206	WH1326	13.4	60S	4.7	20MS	3.2	10S	13.9	60S
207	WH1327	9.6	40S	1.7	5MS	0.6	5S	3.9	40S
208	K2210	16.2	80S	7.5	20S	7.1	15S	15.6	60S
209	NW8053	8.1	40S	1.9	10MS	2.6	10S	19.7	40S
210	JKW304	12.4	60S	10.6	40MS	6.6	20S	14.8	40S
211	BRW3935	7.0	20S	0.9	10MR	1.6	10MS	21.3	60S
212	JAUW705	13.0	40S	4.3	10S	1.9	10S	16.9	80S
213	HI1612(C)	27.5	80S	5.0	20S	1.3	10S	18.8	60S
214	K1317(C)	11.1	40S	4.3	15MS	10.8	40S	18.8	60S
215	PBW644(C)	6.0	20S	6.1	20S	13.2	40S	30.5	60S
216	HI1688	5.8	40S	0.4	5MR	5.0	40S	34.0	80S
217	HI1689	3.2	20S	0.3	10R	0.0	0	47.3	90S
218	HI1693	1.8	10S	0.0	R	0.5	5MS	38.8	90S
219	HI8851(d)	6.9	40S	1.1	10MR	0.1	TR	6.8	40MS
220	HI8852(d)	4.7	20S	0.9	10MR	0.7	5S	5.8	40MS
220A	Infector	70.0	100S	77.1	100S	78.8	100S	77.5	90S
221	DBW431	3.0	10MS	10.1	20S	7.5	10S	26.9	60S
222	DBW432	3.4	10S	2.3	15MS	0.5	5MS	20.0	60S
223	DDW64(d)	46.5	100S	17.1	60S	5.3	40S	15.9	40S
224	UAS3029	16.5	80S	1.2	5MS	1.4	10S	20.7	40S
225	UAS484(d)	2.7	20S	1.7	10MS	1.3	10S	2.6	10MS
226	NIAW4267	10.0	60MS	0.9	10MR	0.0	0	63.3	100S
227	NIAW4387	10.1	40S	4.0	20MS	8.9	60MS	51.7	100S
228	GW552	4.8	40MS	0.3	10R	1.1	5S	56.7	100S
229	GW1368(d)	8.5	30S	0.6	10MR	7.6	40S	49.2	100S
230	AKAW5514	20.8	60S	10.0	30MS	10.0	60S	70.0	100S
231	CG1047	7.6	20S	3.7	20MS	18.8	40S	42.5	100S
232	MP3577	1.0	10MR	0.0	R	0.0	0	42.4	90S
233	MPO1398(d)	7.8	40S	2.9	10MS	1.7	10MS	6.9	40MS
234	MACS4131(d)	6.5	20MS	1.4	20MR	0.0	0	3.4	40S
235	PBN16-1826	12.3	40S	22.6	60S	37.5	60S	53.1	100S
236	DBW110(C)	11.3	40S	3.7	10S	3.6	20S	46.7	100S
237	HI1605(C)	13.8	40S	17.7	40S	14.9	40S	29.0	60S
238	HI8627(d)(C)	9.1	40S	1.4	5MS	0.7	5S	8.5	40MS
239	UAS446(d)(C)	14.0	60S	4.0	20MS	0.6	5S	3.5	40MS
240	HD3461	2.1	10MS	0.3	5MR	6.9	20S	6.1	40MS
240A	Infector	77.5	100S	74.3	100S	78.8	100S	77.5	90S
241	HD3462	14.3	40S	11.1	20S	4.1	10S	15.0	60S
242	HD3463	3.2	20S	0.3	5MR	0.0	0	10.2	40S
243	HD3464	9.1	20S	10.6	40S	10.0	40S	3.7	40MS
244	HI1690	4.3	10S	5.4	20S	0.0	0	61.7	100S
245	HI1691	1.6	10MS	0.6	5MR	0.0	0	48.2	100S
246	PBW903	14.3	40S	4.6	20MS	0.0	0	1.0	20MR
247	PBW904	12.8	40S	7.1	20MS	0.6	5MS	3.2	20S
248	PBW905	3.8	10S	6.9	20S	3.0	10S	12.8	40S
249	PBW906	1.6	5S	6.3	20S	2.8	10S	8.6	40S
250	PBW907	8.4	20S	28.0	60S	40.0	80S	4.5	40MS
251	PBW929	11.1	20S	6.3	20MS	1.8	5S	13.4	80S
252	DBW433	11.3	20S	5.9	15MS	3.2	20S	18.4	60S
253	DBW434	11.3	40MS	5.7	10S	1.9	5S	13.9	60S
254	DBW435	2.0	10MS	9.4	20S	16.3	40S	14.1	40S
255	DBW436	11.6	40S	7.9	20MS	3.4	20S	15.0	80S

NIVT No.	Entry	ACI	HS	ACI	HS	ACI	HS	ACI	HS
256	DBW437	9.6	40S	6.3	20S	0.0	0	12.3	40MS
257	DBW438	7.8	20S	6.0	20S	1.8	10S	14.5	40S
258	DBW439	10.0	20S	6.9	20S	3.9	20S	9.9	60S
259	DBW440	8.6	20S	2.7	10S	2.3	10S	20.6	60S
260	WH1320	5.2	20S	10.6	30S	9.3	20S	15.8	40S
260A	Infector	72.5	100S	77.1	100S	78.8	100S	79.2	100S
261	WH1321	11.3	20S	16.3	40S	14.5	60S	17.4	60S
262	UP3130	6.8	20S	10.6	20S	11.8	40S	46.8	100S
263	RAJ4583	14.3	40S	5.7	10S	2.6	20S	21.6	100S
264	BRW3922	27.3	60S	11.0	20S	0.3	5MR	32.3	100S
265	CG1049	1.8	10MS	0.6	5MS	1.9	10S	55.5	100S
266	DBW445	5.1	20S	0.9	10MR	0.3	5MR	12.2	80S
267	JWS1333	6.8	40S	9.5	40MS	22.6	40S	35.9	70S
268	GW553	3.3	10MS	3.7	10S	1.3	10MS	47.0	100S
269	GW557	3.3	15MS	2.3	20MS	2.0	20MS	68.3	100S
270	MP3572	0.6	10MR	0.0	R	0.3	5MR	57.5	100S
271	MP1399	5.6	20S	8.0	20S	1.8	5S	38.4	80S
272	DBW303(C)	5.9	20S	4.3	15MS	3.8	10S	19.7	60S
273	DBW327(C)	4.9	20MS	4.0	20S	3.9	10S	14.6	60S
274	DBW332(C)	17.8	40S	4.9	20S	2.8	10S	14.0	60S
275	HS695	12.0	20S	8.9	20S	5.7	10S	1.5	10MS
276	HS696	11.6	20S	16.9	40S	15.1	40S	1.8	10MS
277	HS697	13.8	40S	7.1	20MS	2.0	10S	3.4	10S
278	HS698	3.3	20MS	2.9	20MS	0.6	5S	6.6	60S
279	HS699	1.1	5S	0.0	R	0.7	5S	10.7	40S
280	HD3466	16.4	40S	11.2	40S	13.2	80S*	6.4	40MS
280A	Infector	75.0	100S	80.0	100S	81.3	100S	77.5	100S
281	HPW489	2.0	10S	0.0	R	5.6	40S	7.2	40MS
282	HPW490	6.3	20S	2.9	10S	2.5	20S	7.2	40MS
283	HPW491	6.0	10S	6.2	15MS	6.8	40S	12.2	60S
284	HPW492	5.0	20S	1.7	5MS	0.6	5S	8.8	40S
285	HPW493	4.1	10S	5.2	20S	0.8	5S	3.6	10S
286	HPW494	1.7	10MS	8.6	20MS	6.9	20S	13.9	60S
287	VL2051	5.3	20MS	8.3	40MS	0.1	TMR	18.1	40S
288	VL2052	11.4	40MS	6.3	20S	1.3	10S	6.1	20S
289	VL2053	14.6	20S	8.6	20S	1.9	10S	15.7	40S
290	VL2054	23.5	40S	15.0	40S	2.4	5S	14.4	60S
291	VL3031	3.4	10S	0.3	5MR	0.0	TR	9.8	40MS
292	VL3032	6.1	20S	2.3	10MS	0.0	0	17.0	40S
293	SKW368	4.3	10S	15.1	40S	17.8	40S	10.1	60S
294	SKUAW101	11.8	30MS	12.6	20S	6.0	20S	16.9	80S
295	SKUAW102	11.3	20S	13.7	40S	7.4	20S	24.4	80S
296	UP3131	2.0	5S	11.7	40S	4.6	20S	45.5	90S
297	UP3134	29.5	60S	10.3	40S	20.1	60S	19.7	80S
298	HS507(C)	2.7	10MS	8.3	20S	9.8	40S	10.3	40S
299	HS562(C)	30.5	60S	14.3	20S	16.3	40S	11.1	80S
300	VL892(C)	6.0	10S	9.7	20S	9.6	40S	31.2	60S
300A	Infector	70.0	100S	77.1	100S	81.3	100S	80.8	100S

Abbreviations: ACI = Average Coefficient of Infection, HS = Highest Score, *Indicates high rust score (more than 40S) at one location only.