

IPPSN 2023-24

S. No.	Name	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust(N)		Leaf blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
	CSSRI, Karnal										
1	KRL 2304	34.4	60S	10.6	40S	0.67	5MS	28.6	60S	35	57
2	KRL 2305	5.3	10S	2.4	20MS	3.23	15S	12.4	40S	36	89
3	KRL 2306	9.5	30S	5.1	20MS	3.97	10S	29.7	60S	46	89
4	KRL 2307	19.8	40S	5.5	20MS	6	20MS	9	20S	46	89
5	KRL 2308	14.3	40S	2.7	10MS	3.67	20S	16.4	40S	45	78
6	KRL 2309	23	40S	5.6	30S	2.33	10S	1.9	5S	46	89
7	KRL 2310	20.9	40S	6.7	20S	12.5	40S	10.6	30S	46	78
8	KRL 2311	13.4	60S	2.7	10MS	1.13	10MR	11.1	20S	46	89
	Niphad										
9	NIAW 4646	28.4	80S	6.1	20MR	8.87	40S	43.3	60S	46	89
10	NIAW 4649	5.9	20S	15.6	40S	15	30S	37.2	60S	46	89
11	NIAW 4652	5.3	20MS	0.5	5R	0.8	5MS	37.8	60S	57	99
12	NIAW 4661	20.3	40S	5.3	20MS	3.07	10MR	18.7	40S	46	67
13	NIAW 4663	34	80S	7.5	20MS	16.73	40S	41.6	80S	57	99
14	NIAW 4665	33.3	80S	7.1	20MS	16.03	40S	57.2	80S	57	99
15	NIAW 4667	20.5	80S	4.7	20MS	1.67	10S	58.9	80S	56	99
16	NIAW 4668	13.5	40S	3.5	10MS	0	0	57.8	80S	56	99

17	NIAW 4669	14.6	60S	3.4	10S	0.83	5S	56.2	80S	46	89
18	NIAW 4685	10.8	60S*	1.2	10MS	6.83	40S	41.6	60S	46	99
19	NIAW 4716	23.3	60S	6.7	20MS	18.33	50S	19.1	60S	46	89
20	NIAW 4723	14.5	60S	10.7	30S	16	40S	37.8	60S	46	77
20A	Infector	77.5	80S	82.9	100S	83.33	100S	77.8	80S	68	79
21	NIAW 4728	4.3	20MS	2.7	10S	9.17	40S	5.2	20S	46	67
22	NIAW 4731	26.8	60S	3.6	20S	0.9	5S	13.9	40S	46	99
23	NIAW 4737	9.4	30S	0.8	10MR	3.67	20S	28	60S	47	99
24	NIAW 4741	7.3	20S	5.5	20MS	5.83	20S	11.1	60S	46	99
25	NIAW 4757	15.5	60S	4.1	20S	11.67	30S	11.8	20S	46	99
26	NIAW 4760	16.5	40S	4	20MS	3.4	15S	10.3	40S	45	99
27	NIAW 4761	8.4	20S	1.7	10MR	9.5	30S	17.3	40S	46	78
28	NIAW 4764	9.9	40S	1.1	5MR	9	30S	18.1	40S	35	68
29	NIAW 4765	9.8	40S	2	10S	7.5	30S	14.7	40S	46	78
30	NIAW 4773	17.4	60S	2.3	10S	10.67	20S	14.6	40S	46	78
31	NIAW 4777	18	40S	2.1	10MR	5.4	20S	8.5	20S	45	78
32	NIAW 4790	27	80S	3.7	10S	6.33	20S	27.3	60S	46	99
33	NIAW 4798	14	40S	5	20S	11.37	40S	6.3	20S	35	78
34	NIAW 4802	7.7	40S	2.4	5MR	11.73	50S	11.7	20S	46	99
35	NIDW 1569	10.8	40S	4.4	20MS	0.67	5MS	0.4	10MR	45	89
36	NIDW 1576	2	10R	1.5	20MR	0	0	2.4	15S	45	78
37	NIDW 1578	10.6	40S	9.6	40MR	0.07	0	4.4	20S	45	78

38	NIDW 1579	20.4	60S	4	10S	0	0	5.3	30S	46	99
	Sabour										
39	BRW3968	22	60S	14.1	40S	27.33	60S	52.3	80S	57	99
40	BRW3969	30.4	80S	6.4	20S	36.67	90S	61.1	80S	36	68
40A	Infector	77.5	80S	77.1	80S	81.67	100S	78.9	100S	68	99
41	BRW3970	38.5	80S	14.9	20S	35	90S	37.2	60S	46	99
42	BRW3971	8	40MR	15.1	40S	22	60S	41.1	60S	45	78
43	BRW3972	19.9	40S	11.1	20S	24.33	60S	56.7	80S	46	99
44	BRW3973	14.3	40S	7.1	20S	29.67	80S	9.6	20S	56	99
45	BRW3974	14	40MS	3	10MS	18.37	70S	35.4	60S	46	99
46	BRW3975	12.8	30S	5.5	20S	7.33	30S	13.4	40S	46	99
47	BRW3976	5	20S	4.4	20MS	8.83	40S	5.1	20S	46	99
48	BRW3977	2.2	10MR	5.5	20MS	9	30S	40.6	80S	56	99
49	BRW3978	14.6	40S	3.6	10MS	10.87	30S	12.8	40S	46	89
50	BRW3979	2.9	10S	1	10R	3.5	10MS	6.6	20MS	46	99
51	BRW3980	16.3	40S	3.5	10MR	6.83	20S	6.8	20S	46	99
52	BRW3981	31.5	60S	10.3	20MS	6.67	20S	16	40MS	46	99
53	BRW3982	25.3	80S	7.6	20MS	9.17	30S	6.1	20MS	46	89
54	BRW3983	6.9	20S	8.9	20MS	11.83	40S	10.8	20S	46	57
55	BRW3984	17.5	80S	14.5	40MS	23.5	60S	61.1	80S	57	99
56	BRW3985	16.8	40S	11.1	20MS	14.83	40S	38.2	60S	36	46
57	BRW3986	24.8	40S	2.9	10MS	5.73	20S	17.8	40S	35	67

58	BRW3987	14.3	40MS	4.7	20MS	10.5	30S	37.9	80S	46	77
	BHU										
59	HUWL2301	14.7	40S	2.6	10MR	8	20S	7.7	20S	57	99
60	HUWL2302	14.6	40S	2.1	10S	6.67	30S	12.7	40S	46	99
60A	Infector	80	80S	80	80S	75	80S	78.9	100S	68	89
61	HUWL2303	22	60S	9.4	20MS	15.17	40S	10.1	40S	45	99
62	HUWL2304	3	10MS	2.2	10S	6.67	20S	12.8	40S	56	89
63	HUWL2305	1.8	5S	1.8	10S	6.73	40S	9.8	20S	45	99
64	HUWL2306	21.5	60S	1.8	20MR	0.47	5MR	17.1	40S	35	45
65	HUWL2307	20.9	60S	5.2	20S	9.07	30S	16.1	40S	56	99
66	HUWL2308	8.9	20S	9.3	20MS	15	30S	9.8	20S	46	78
67	HUWL2309	31.3	60S	14.6	40S	15	40S	9	40S	45	99
68	HUWL2310	4.2	10MS	2.9	10MS	7.33	40S	9.3	40S	57	99
69	HUWL2311	19.3	40S	3.6	20MS	8.33	20S	6.8	20S	46	99
70	HUWL2312	19.5	60S	2.4	20MS	5.07	30S	13.4	40S	46	99
71	HUWL2313	23.8	60S	6.6	20MS	1.83	10S	10.8	40S	46	89
72	HUWL2314	10.5	40S	4.1	20MS	9.67	40S	11	40S	46	99
73	HUWL2315	12	60S	11.7	40MR	27.67	40S	56.1	80S	46	99
74	HUWL2316	10.5	60S	16.3	40S	26.67	40S	62.2	80S	46	99
75	HUWL2317	19.1	60S	9.1	20S	17.67	30S	19.4	40S	46	78
76	HUWL2318	11.5	40S	8.1	20MS	18.67	60S	52.2	80S	46	99
77	HUWL2319	29.6	60S	6.5	20MS	19.33	50S	35.6	60S	46	89

78	HUWL2320	23.8	80S	3.3	20MS	6.73	20S	28.2	60S	46	99
	COOCHBEHAR										
79	UBKV-23-1	29.3	80S	4.9	20MS	9.67	40S	19.4	40S	46	89
80	UBKV-23-2	22.5	60S	3.8	10MS	2.5	15S	18.4	40S	46	99
80A	Infector	80	100S	80	100S	80	100S	78.9	90S	78	89
81	UBKV-23-3	24.3	60S	2.9	20S	5	20S	17.3	40S	46	99
82	UBKV-23-4	12.5	40S	8.3	20S	8.33	20S	25.2	40S	46	99
83	UBKV-23-5	10.8	40S	6.5	20S	11.67	30S	32.8	60S	46	78
84	UBKV-23-6	17	60S	6.1	20MS	7.5	20MS	28.4	40S	46	99
85	UBKV-23-7	19.3	40S	9.2	20MS	9.33	20MR	5.6	15S	46	99
86	UBKV-23-8	12.3	40S	6.3	20MS	7.33	30S	16.1	40S	46	99
87	UBKV-23-9	9.5	40S	6.3	20MS	12.17	30S	23.1	40S	46	99
88	UBKV-23-10	11	30S	9.7	20MS	14.33	40S	35.6	60S	46	99
89	UBKV-23-11	20.8	80S	18.1	40S	20	40S	27.7	40S	46	99
90	UBKV-23-12	29.3	80S	8.7	20S	14.67	40S	26	40S	46	99
91	UBKV-23-13	23	80S	13.6	40MR	27.33	60S	45.6	80S	46	99
92	UBKV-23-14	19.8	80S	10.6	40MR	28.33	40S	42.7	80S	46	99
93	UBKV-23-15	24	80S	1.9	10MS	5	30S	39	60S	46	99
	DURGAPURA										
94	WR 2190	14.3	40S	2.9	20MS	4	20S	9.1	40S	35	99
95	WR 2191	28.8	60S	1.8	10MS	0.2	0	16	40MS	35	78
96	WR 2192	26.4	80S	7.9	20S	16.67	20S	8	40S	46	99

97	WR 2193	13.5	60S	5.7	10MS	2.23	10MS	9.9	40S	45	99
98	WR 2194	10.3	60S*	1.7	10MS	0.83	5S	12.5	40S	46	99
99	WR 2195	12	30S	8.7	20S	20.67	40S	8.7	40S	56	99
100	WR 2196	8.8	40S	2.1	10MR	0.17	0	6.4	20S	56	99
100A	Infector	80	80S	77.1	80S	78.33	100S	76.7	80S	68	89
101	WR 2197	45	80S	11.6	40MS	33	90S	14	60S	46	99
102	WR 2198	51	80S	13.4	40S	15	40S	7.2	40S	46	99
103	WR 2199	60	80S	5.5	20MS	0.17	0	17.7	60S	35	78
104	WR 2200	57.5	80S	8.9	20S	0.23	0	8	40S	46	99
105	WR 2201	22	80S	15.2	40MR	34.67	80S	11.6	40S	56	99
106	WR 2202	38.5	100S	12.4	20S	30	50S	7.1	40S	56	99
107	WR 2203	29.3	80S	7.9	20MS	18.83	40S	7.2	20MS	46	99
108	WR 2204	9.9	30S	11.6	20S	23.5	40S	5.9	20MS	56	99
109	WR 2205	2.2	10MR	5.4	20S	23.5	60S	10.6	20S	56	99
110	WR 2206	3.5	10MS	6.3	20MS	35	80S	45.6	80S	56	99
111	WR 2207	19.3	40S	7.1	20MS	26	90S	15.1	40S	46	99
112	WR 2208	8.6	20MR	7.7	10MS	22	90S	5.9	20S	46	99
113	WR 2209	20.3	40S	5.3	10S	22.67	70S	6.6	10S	47	89
114	WR 2210	16.8	40S	5.5	20MS	22.67	50S	5.7	20S	56	99
115	WR 2211	15.8	60S	6.3	20S	14.33	50S	17.5	40S	56	99
116	WR 2212	8.6	20S	1.8	10MR	6	20MS	2.3	10S	56	99
117	WR 2213	22.5	60S	8.6	20MS	4.47	20MR	5	20MS	56	99

118	WR 2214	14.6	40S	4.4	20MS	9	30S	15.9	40S	46	99
119	WR 2215	25.5	80S	10.3	20S	21.17	60S	19.9	40S	46	99
120	WR 2216	12.7	40MS	15	40S	54.33	100S	18.9	40S	57	99
120A	Infector	82.5	100S	80	100S	81.67	100S	78.9	100S	68	88
121	WR 2217	13.4	40S	4.4	10MR	10	30S	12.1	20S	46	99
122	WR 2218	37.5	80S	11.4	40S	5.17	30S	18	60S	56	99
123	WR 2219	30.5	80S	5.8	10S	6.6	20S	5.7	20MS	56	99
124	WR 2220	5.8	30S	11	40S	4.67	10MS	14.8	40S	56	99
125	WR 2221	16	60S	1.6	10S	3.67	10S	8.9	40S	46	89
126	WR 2222	16.5	40S	3.2	10MS	6.5	30S	7.3	20S	46	89
127	WR 2223	13.4	60S	2.9	10MS	3.67	20S	7.7	20MS	56	99
128	WR 2224	15.9	60S	3	10MR	7.6	30S	15	40S	56	99
129	WR 2225	15	60S	9.7	20S	3.67	15MR	15.9	60S	56	99
	PARBHANI										
130	PBN 2023 - 126	8.3	40MR	4.7	20MS	10.6	40S	11.2	40S	57	99
131	PBN 2023 - 128	26.5	60S	1.2	10MR	7.37	40S	18.8	80S	56	99
132	PBN 2023 - 136	15.9	60S	5.7	20S	13.7	70S	22.8	40S	46	99
133	PBN 2023 - 313	28	80S	4.6	20S	3.33	20S	10.4	20S	46	99
134	PBN 2023 - 314	21.5	40S	7.9	20S	12.5	50S	22.3	40S	46	99
135	PBN 2023 - 319	18.3	40S	5.2	10MS	8.67	40S	29.6	40S	56	99
136	PBND 2023 - 13	24.8	80S	2.4	10MS	0.83	10MR	2.1	20MR	56	99
137	PBND 2023 - 15	1.4	10S	0.6	5MS	0	0	10.3	40S	56	99

	SAGAR										
138	JWS 1501	4.8	20S	5.9	20S	0.67	5MS	39.6	60S	35	57
139	JWS 1506	7.6	40S	1.7	10S	1.67	10MS	55.6	80S	57	99
140	JWS 1590	12.8	60S	10.3	20MS	18.37	40S	44.4	60S	57	99
140A	Infector	80	80S	80	80S	78.33	100S	76.7	80S	78	89
141	JWS 1595	5.5	20S	1.7	10MR	0.67	5MS	18	40S	56	99
142	JWS 1614	38.9	80S	2.3	10MR	2.73	20MS	43.3	60S	46	89
143	JWS 16108	36.4	80S	7.1	20MR	10.5	20S	50	60S	46	89
144	JWS 16134	14.4	80S	8.9	20MS	7.33	20MS	47.8	60S	56	99
145	JWS 16112	50	100S	14.9	60S	5.83	20S	29.7	60S	35	57
146	JWS 16141	16.5	40S	6.3	20MS	14	30S	43.3	80S	46	99
147	JWS 936	18.9	80S	6.1	20MS	11.33	30S	25.8	60S	57	99
148	JWS 1333	11.6	30S	9.7	20S	25.33	70S	28.9	60S	46	67
	VPKAS										
149	VW 2301	20.5	80S	2.3	10S	2.5	10S	4	10S	45	78
150	VW 2302	30.1	80S	14	20S	21.33	40S	2.6	10S	56	99
151	VW 2303	28.3	80S	6	20MS	3.03	20MR	6.4	20S	46	99
152	VW 2304	26.9	80S	6.3	20MS	10.83	40S	7.3	20S	45	99
153	VW 2305	4.3	20S	1.7	10MR	3.33	20MS	8.1	20S	46	99
154	VW 2306	9.5	40S	1.8	10S	0.67	5MS	5.8	20S	46	99
155	VW 2307	8.5	40S	5	20S	4.67	20S	25.1	60S	57	99
156	VW 2308	24.2	60S	6.4	20S	10	40S	8.4	20S	35	78

157	VW 2309	5.4	20MS	2	10MS	4.17	20S	20.3	40S	46	89
158	VW 2310	17	100S*	4.4	20MS	2.57	15S	6.2	20S	57	99
159	VW 2311	22.8	60S	17.4	40MS	28	60S	3.9	20MS	46	99
160	VW 2312	16	40S	1.7	10S	7.33	20S	5	20S	46	99
160A	Infector	80	100S	82.9	100S	76.67	90S	76.7	80S	68	89
161	VW 2313	19.1	80S	7.5	20S	4.17	20S	4.9	20MS	46	99
162	VW 2314	31.3	60S	7.7	20MS	8.17	30S	4.6	20MS	45	89
163	VW 2315	12.8	60S*	8.1	20MS	11.7	30S	6.7	20S	46	99
164	VW 2316	1	10MS	3.2	20S	1.5	5S	1.2	10MS	46	78
165	VW 2317	24.5	100S	8	40S	3.73	20S	4.1	15S	56	99
166	VW 2318	4.4	20S	9.7	20S	21.67	50S	10.4	40S	56	99
167	VW 2319	7.5	40S	6.4	20S	16.7	40S	3.1	20MS	46	99
168	VW 2320	36	100S	10	20S	3.33	10S	8.3	20S	56	99
169	VW 2321	25	100S	6.6	20MS	7.33	20S	4	20MS	46	99
170	VW 2322	10.5	60S*	8.9	20MS	6	20MS	8.3	20S	56	99
171	VW 2323	10.4	60S	3.5	20S	3.5	20S	3.2	20MS	56	99
172	VW 2324	7.8	40S	2.1	10MR	4.83	20S	11	40S	46	99
173	VW 2325	38.5	80S	23.4	60S	39.67	90S	2.6	15S	46	99
	JNKV JABALPUR										
174	3603	11.5	40S	6	20MS	7.37	30S	26.2	60S	46	99
175	3604	19.8	60S	7.7	15MR	16.67	40S	40	60S	57	99
176	3605	18	60S	5.8	20MS	11	40S	30	60S	46	99

177	3606	3.9	20S	2.9	10MS	1	5MR	47.8	80S	56	99
178	3607	4.3	20S	4.6	20MR	13.33	40S	44.4	80S	56	99
179	3608	12.5	40S	8.3	20MS	21.67	60S	18.4	60S	45	99
180	3609	4	10MR	8.1	20MS	16.67	60S	33.6	60S	56	99
180A	Infector	80	80S	80	80S	78.33	100S	77.8	80S	68	89
181	3610	10	40S	11.4	40MS	26.67	40S	36.8	60S	46	99
182	3611	14.5	40S	7.4	20MS	15	40S	7.2	20MS	46	99
183	3612	8.3	20S	7.1	20MS	15.87	40S	30.2	40S	57	78
184	3613	34.2	80S	9.9	40MS	11.67	50S	47.8	80S	46	99
185	3614	13.5	80S*	4	10S	23.33	60S	49.6	80S	57	99
186	3615	7.1	30S	10.3	20S	20	40S	38.7	60S	56	99
187	3616	14.5	60S	14.3	60S	33	50S	36.1	60S	45	99
188	3617	20	80S	16.3	40S	43.33	60S	47.8	80S	67	99
189	3618	5.5	20S	3.7	20MS	2	10MS	43.9	80S	46	99
190	3619	7.6	40S	7.4	20MS	13	40S	18.2	60S	46	99
191	3620	4.9	30S	0.3	5MR	2.73	20MS	37.2	80S	46	99
192	3621	6.9	30S	3.5	10MR	11.5	20S	16.7	60S	46	89
193	3622	10.4	40S	11.4	20S	36.67	60S	25.4	40S	56	89
	SKAUST-K KHUW										
194	SKW 385	15	60S	1.5	10MS	3.43	20S	15.9	40S	46	78
195	SKW386	1.7	10MS	1.3	10MS	2.5	15S	9.3	40S	56	99
196	SKW387	9.4	20S	0.3	5MR	12.4	50S	1.9	20MS	56	99

197	SKW388	17.8	40S	2.3	10MR	5.67	15S	1.1	10MS	45	89
198	SKW389	10.9	20S	4.9	10MS	10.87	20S	1.9	20MS	56	99
199	SKW390	12.1	30S	4.4	20MS	11.33	30S	2.1	10S	46	99
200	SKAU2	12.2	80S*	4.1	20S	4.33	15MS	3.1	20MS	46	99
200A	Infector	82.5	100S	82.9	100S	76.67	90S	80	100S	78	99
201	SKAU5	18	60S	4	20MS	7.53	30S	8.6	20S	46	99
202	SKAU16	18	60S	2.3	10MS	9.33	40S	10.1	40MS	46	99
203	SKAU70	20	40S	2.1	10MS	0.37	5MR	2	10MS	46	99
	MALAN										
204	PW 2301	14.3	80S	1.2	10MR	3.33	20S	6.6	40S	56	99
205	PW 2302	8.5	30S	9.7	20S	24.67	40S	11.1	60S	35	67
206	PW 2303	25.9	80S	7.5	20MS	6.67	20S	4	20MS	57	99
207	PW 2304	15	40S	2	10S	1.4	10MS	5.4	20MS	57	99
208	PW 2305	19.8	80S	4.6	10S	10	40S	10.6	40S	46	78
209	PW 2306	14	40S	5.4	20MS	16.33	40S	5.1	20MS	57	99
210	PW 2307	4.3	30S	6.3	20S	5.33	15S	8.4	40S	35	67
211	PW 2308	16.3	80S	21.4	40S	24.33	40S	20.9	40S	56	99
212	PW 2309	13.5	80S*	1.3	20MR	0.83	5S	9.3	40S	46	99
213	PW 2310	23.3	60S	5.5	20MS	2.07	15MR	9.9	40S	46	89
214	PW 2311	34	80S	13.5	40S	25	40S	2.8	10MS	46	99
215	PW 2312	26.3	80S	7.4	20S	16.5	60S	36.1	80S	46	99
216	PW 2313	31.3	100S	5.3	10MS	6.67	10S	10.9	40S	46	99

217	BW 290	4.8	20S	4.7	20S	6.17	20S	11.7	40S	46	89
218	BW 291	29.3	40S	16.6	40S	41.67	60S	9.6	40S	56	99
	BILASPUR										
219	CG2301	12.8	30S	10.9	20S	34	60S	51.1	80S	46	99
220	CG2302	13.3	60S	5.6	10S	13.87	50S	52.2	80S	56	99
220A	Infector	80	80S	82.9	100S	83.33	100S	71.1	80S	78	99
221	CG2303	21.8	80S	4.7	20S	1.7	10S	65.6	80S	56	99
222	CG2304	25.8	100S	5	20MS	0.9	5MS	36	60S	46	99
223	CG2305	9.7	40S	7.1	20MS	4	20S	39.4	80S	46	99
224	CG2306	13.3	40S	3.5	20S	0.33	5MR	53.3	80S	57	99
225	CG2307	23	80S	9.1	20S	34.67	60S	36.7	60S	46	99
226	CG2308	12.9	40S	4.6	20MS	7.67	15S	19.9	40MS	46	99
227	CG2309	21.8	80S	3.9	10MR	5.17	15S	18.2	40S	56	99
228	CG2310	17.2	80S	8.2	20S	18.03	40S	6.1	20MS	56	99
229	CG2311	20	40S	1.7	10MS	4.33	10MS	5.3	20S	45	99
230	CG2312	14.3	40S	4	10MR	0.83	5S	11.7	40S	45	99
231	CG2313	15.9	80S	7.5	20S	24.33	60S	20.3	40S	46	99
232	CG2314	11.8	60S	3	10MS	8	20S	44.4	80S	56	99
233	CG2315	15.3	60S	7.1	20MS	4.17	20S	64.4	100S	56	99
	UDAIPUR										
234	PWU 1	10.6	60S*	2.3	10MR	3.43	20S	56.7	80S	56	99
235	PWU 3	12.2	60S	2.1	10S	0.83	5S	9.9	40S	57	99

236	PWU 49	14.8	60S	4	10MS	0.17	0	57.8	80S	46	99
237	PWU 51	16	60S	8.7	20S	23.33	40S	36.2	60S	57	99
238	PWU 53	4.9	20S	2.1	20MR	4.33	20MS	30.7	60S	57	99
239	PWU 54	9.9	60S*	1.2	10MR	0.83	5S	55.6	80S	57	99
240	PWU 55	6	40S	0.6	5MS	0.33	5MR	35.9	60S	56	99
240A	Infector	82.5	100S	82.9	100S	81.67	100S	76.7	80S	68	79
241	PWU 110	15.1	60S	4	20MS	0.23	0	1.1	10MR	57	99
242	PWU 113	15.1	60S	3.4	20MS	0.9	5S	0.8	5MS	57	99
243	PWU 115	16.6	80S	2.3	10MS	1.67	10S	0.8	5S	56	99
	RANCHI										
244	JKW 321	34.3	100S	8.3	20S	11.67	40S	37.8	60S	56	78
245	JKW 322	24.1	100S	5.2	10MS	10.7	30S	29.7	60S	56	99
246	JKW 323	17.3	40S	14	20S	29	50S	37.8	60S	35	57
247	JKW 324	11.4	60S	2.4	20MR	8.33	20MS	6	20S	57	99
248	JKW 325	13.8	60S	1.1	5MR	2.4	10S	17.2	40S	56	99
249	JKW 326	11	30S	1.2	10MR	4.83	20S	34.4	60S	57	99
250	JKW 327	12	40S	1	10MR	2.33	10MR	3.8	10S	57	99
251	JKW 328	16.3	60S	4.9	10MS	2.33	10MR	15.1	40S	46	99
252	JKW 329	23.8	40S	9.1	20S	26.67	60S	8.2	20S	46	99
253	JKW 330	25.4	100S	10.9	20S	28.33	80S	30	60S	46	99
	JUNAGADH										
254	J-2022-02	14.8	80S	1.7	10S	5.17	20S	60	80S	56	99

255	J-2022-08	10.6	60S*	3.2	10MR	1.5	5S	64.4	80S	56	99
256	J-2022-09	14.5	80S	8.6	20S	26.33	60S	34.2	60S	46	99
257	J-2022-11	9.7	40S	4.3	20S	3.9	10S	35.9	60S	56	99
258	J-2022-12	6.4	40S	1.2	10MR	0.23	0	34.4	60S	46	99
259	J-2022-15	8.3	40S	3.9	20MS	5.83	15S	57.8	80S	56	99
260	J-2022-16	7	30S	1.5	20MR	1.83	10S	64.4	80S	56	99
260A	Infector	82.5	100S	82.9	100S	80	100S	78.9	90S	78	89
261	J-2022-19	12	60S	2	10S	0.83	5S	60	80S	56	99
262	J-2022-20	7.3	40S	3.7	10MR	0	0	53.3	80S	56	99
263	J-2022-22	16.9	60S	3	10S	2.33	10S	23.4	60S	56	99
264	J-2022-26	8.5	40S	2	10MR	0	0	46.7	60S	57	99
265	J-2022-28	10.3	60S*	1.2	10MR	0	0	46.7	60S	57	99
266	J-2022-30	11.8	60S*	4.6	20S	0	0	51.1	80S	56	99
267	J-2022-31	9.5	60S*	1.7	10S	2.33	5S	46.7	60S	57	99
268	J-2022-34	7.5	40S	2.1	10MR	1.53	10MR	41.3	60S	57	99
269	J-2022-39	7.6	40S	4.6	15MR	1.5	10MS	41.1	60S	57	99
270	JD 2022-01	12.5	60S	4.9	20MS	3.33	20S	4	20MS	46	99
271	JD 2022-02	12	40S	1.8	20MR	4	20S	3.1	10S	46	99
272	JD 2022-10	17.2	60S	2	10MS	0	0	2.4	20MR	45	99
273	JD 2022-15	11.3	60S*	3.2	10S	0.83	5S	2.4	20MR	45	99
	DHARWAD										
274	UASD2301	13.8	40S	4.9	20MS	7.33	40S	20.9	40S	46	99

275	UASD2302	41.5	80S	11.3	40S	0.17	0	26.8	40S	46	99
276	UASD2303	28.3	60S	8.1	40S	4.83	20S	26.5	60S	45	99
277	UASD2304	16.5	60S	6.3	20MS	5.47	20S	27.7	60S	35	99
278	UASD2305	43.5	100S	6.9	40S	3.5	20S	23.8	60S	45	99
279	UASD2306	31.8	100S	8.7	40S	6.33	20S	31.4	60S	56	99
280	UASD2307	34.8	100S	9.7	40S	0.23	0	2.2	10S	45	99
280A	Infector	82.5	100S	82.9	100S	80	100S	78.9	100S	68	79
281	UASD2308	20.5	60S	3.6	20S	0.17	0	4	10MR	46	99
282	UASD2309	21	60S	3.5	20MR	7.5	20S	55.6	80S	45	89
283	UASD2310	15.3	40S	4.6	20S	0	0	1.6	10MR	45	99
284	UASD2311	21.3	60S	4.3	20S	0	0	1.1	10MR	45	99
285	UASD2312	15.3	60S	5.7	20MS	0.83	5MS	2	10MR	46	99
286	UASD2313	41.8	100S	7.7	40S	0	0	21.6	40S	46	99
287	UASD2314	29	80S	4	15MR	0.83	5S	25.3	60S	45	99
288	UASD2315	24.9	80S	6.4	40S	4.67	10S	27.9	60S	46	99
289	UASD2316	26.1	80S	4.7	20S	5.9	20S	5.1	10S	56	99
290	UASD2317	23.6	80S	2.3	10S	0.83	5S	11	40S	46	99
291	UASD2318	45	100S	7.5	40S	1.5	10MS	25.1	60S	56	99
292	UASD2319	31.6	100S	4.3	20S	1.33	10MS	7.1	40S	45	99
293	UASD2320	17.5	60S	3.6	20S	0.83	5S	7.2	40S	46	99
294	UASD2321	26.5	80S	5.6	20MS	15.33	50S	34.2	60S	46	99
295	UASD2322	3.2	40MR	0.1	0	1.8	10S	20.9	60S	45	58

296	UASD2323	2.1	10MR	2.9	20MR	5	20S	27.3	60S	57	89
297	UASD2324	4	20MS	2.1	20MR	4	20S	12.7	40S	56	89
298	UASD2325	3.3	10S	2.3	10MS	1.73	10S	42.2	60S	57	99
299	UASD2326	20.8	60S	4.6	20MS	3.2	15S	21.7	40S	45	99
300	UASD2327	12.5	40MS	2.3	10MR	4.07	15MS	32.9	60S	46	99
300A	Infector	82.5	100S	82.9	100S	85	100S	75.6	80S	68	79
301	UASD2328	21.8	40S	5.1	20MS	20.67	50S	45.1	60S	57	99
302	UASD2329	15.8	40S	4	10MS	2.5	10S	5	40MS	56	99
303	UASD2330	15	40S	4.3	20S	2	10S	28.9	60S	46	99
304	UASD2331	1.7	10S	0.4	10MS	6.5	30S	15.6	40S	46	99
305	UASD2332	24.3	80S	13.1	40S	18.33	60S	22.3	60S	57	99
306	UASD2333	26.9	60S	3.7	20S	7.4	20S	34.8	60S	56	99
307	UASD2334	23.5	60S	2	10MR	1.67	10S	20	40S	45	99
308	UASD2335	12.5	60S	5.1	20MS	5.07	20S	3.8	20S	46	99
	SANOSARA										
309	LOK-2023-1	24.8	60S	16.3	40S	20.03	40S	63.3	80S	46	99
310	LOK-2023-2	14.5	60S	3.3	20S	6	20S	55.6	80S	57	99
311	LOK-2023-3	31.5	80S	25.1	60S	26.67	60S	52.9	80S	57	99
312	LOK-2023-4	12.7	60S	2.1	10S	0.83	5S	55.6	80S	57	99
313	LOK-2023-5	11.4	60S*	1.5	10MS	3.33	10S	63.3	80S	57	99
	PANTNAGAR										
314	UPW-1	23.6	60S	2	10MS	1.67	10S	7.3	20S	46	99

315	UPW-2	17	40MS	6.6	20S	1.67	20MR	30.9	60S	46	89
316	UPW-3	18.3	40MS	7.7	20MS	6.67	40S	30.2	60S	46	99
317	UPW-4	40.8	80S	17.8	40S	9	20S	38.4	60S	46	99
318	UPW-5	39.5	80S	11.1	20S	25	40S	11	20S	56	99
319	UPW-6	11.9	40MR	3.5	20MS	12.67	40S	34.4	60S	46	99
320	UPW-7	34.8	80S	6.2	20MS	2.83	15S	5.7	20S	56	78
320A	Infector	80	80S	82.9	100S	76.67	90S	76.7	80S	68	79
321	UPW-8	27	60S	3.8	20S	8	40S	11.1	40S	45	99
322	UPW-9	10.1	30S	0.3	5MR	1.67	5S	10.1	40S	46	99
323	UPW-10	9.3	30S	4.3	20MS	8.5	30S	23.8	40S	46	99
324	UPW-11	12.3	40S	2.6	10MS	9	20S	14.7	40S	46	99
325	UPW-12	14.5	60S	2.9	10MR	7.5	20S	12.8	40S	56	99
326	UPW-13	11	30S	0.7	5MS	2.33	15MR	17.2	40S	47	99
327	UPW-14	12.2	20S	5.7	20S	3.4	20S	29.3	40S	46	99
328	UPW-15	11.3	30S	1.4	10MR	1.33	10MS	14.3	10S	45	99
329	UPW-16	20.3	60S	8.3	20MS	11.33	60S	7.6	20S	46	99
330	UPW-17	29.9	60S	2.9	20MS	6.73	20S	18.1	40S	46	99
331	UPW-18	16.8	40S	3.7	20MS	5.33	30S	18	40S	45	99
332	UPW-19	18.3	60S	4.4	20MS	7.67	30S	4.8	20MS	46	99
333	UPW-20	8.2	20S	4.9	10MR	6.7	20S	2.8	10S	56	99
334	UPW-21	19.8	40S	1	5MS	2.33	15MR	12.1	40S	46	89
335	UPW-22	16	30S	6.1	20MR	7.33	20S	7.3	20S	56	99

336	UPW-23	16.5	60S	5.9	20MS	3.17	15S	18.9	40S	46	99
337	UPW-24	2.8	10S	1.8	10S	4.07	20S	11.5	40S	46	99
338	UPW-25	13.3	60S	4	10MR	7.83	15S	18.9	40S	56	99
339	UPW-26	6.7	40S	2.4	15MR	8.83	20S	13.2	40S	56	99
340	UPW-27	22.6	80S	3.2	10MR	3	10MR	14.7	40S	57	99
340A	Infector	82.5	100S	82.9	100S	80	100S	76.7	80S	68	79
341	UPW-28	43.8	60S	6	20MS	2.33	15MS	27.2	60S	56	99
342	UPW-29	16.1	40S	2	10MS	3.67	20S	11.2	40S	46	99
343	UPW-30	28.5	60S	2.6	15MR	0	0	1.4	10MS	45	78
344	UPW-31	21.8	40S	7.6	20MS	8.17	20S	8.8	40S	45	78
345	UPW-32	6.5	30S	0.9	10MR	0.07	0	4.7	10S	46	99
346	UPW-33	19.1	60S	4.9	20S	10.33	40S	25.3	60S	56	99
347	UPW-34	14	40S	6.9	20MS	19.17	40S	8.7	40S	57	99
348	UPW-35	23.4	80S	0.9	10MR	6.67	20S	8.4	40S	45	99
349	UPW-36	8.5	40S	1.7	10S	6.83	20MS	4.9	20MS	57	99
350	UPW-37	13.8	40S	2	10MR	12	40S	32.3	60S	56	99
351	UPW-38	13.8	40S	1	5MR	4.23	15MR	25.1	40S	45	99
352	UPW-39	16	40S	1.9	5MR	9.07	40S	31.7	60S	46	99
353	UPW-40	14.9	40S	1.1	5MR	2.5	10S	4.6	10S	56	99
354	UPW-41	10	30S	2.7	10MR	9.23	40S	14.7	40S	46	99
355	UPW-42	16.3	40S	6.6	20MS	17.67	50S	6.2	20S	46	89
356	UPW-43	11.1	20S	2.8	10S	14.4	30S	24.4	40S	35	99

357	UPW-44	14.1	40S	1.6	10MR	6.4	20S	5.4	20S	46	99
358	UPW-45	19	40S	2.6	20MR	7.33	40S	16.2	40S	34	57
359	UPW-46	26	80S	2.7	10MS	8	30S	16.2	40S	46	89
360	UPW-47	29.6	80S	15.5	60S	13.33	40S	29.4	40S	46	99
360A	Infector	85	100S	82.9	100S	81.67	100S	76.7	80S	78	99
361	UPW-48	24.3	60S	8.3	20S	10.67	40S	14.7	40S	45	99
362	UPW-49	15.5	40S	2.8	10S	5.67	20S	1.6	10MS	46	89
363	UPW-50	25.5	60S	2.3	10MR	5.17	20S	4.2	20S	35	78
	JAMMU										
364	JAUW725	26.4	60S	2.1	10MR	1.73	10S	16.2	40S	46	99
365	JAUW726	15.6	40S	2.4	10MR	7	30S	27	40S	47	99
366	JAUW727	21.8	60S	5.5	20MS	21.5	60S	15.9	40S	46	99
367	JAUW728	17.5	60S	5.7	20MS	13.33	40S	20.3	40S	56	99
368	JAUW729	13.2	40S	9.7	30S	24	60S	16	40S	46	89
369	JAUW730	18.5	60S	8	20MS	29.33	70S	18.8	40S	57	99
370	JAUW731	2.4	10S	3.5	20MS	3.33	20S	15.2	40S	46	99
371	JAUW732	34.8	80S	10.6	20S	15.67	40S	38.4	60S	46	89
372	JAUW733	8.5	40S	3.3	10MR	2.5	15S	43.9	80S	57	99
373	JAUW734	7.4	40S	4.3	10MR	15.67	40S	47.8	60S	56	99
	MODIPURAM										
374	SVPWL-23-01	25.8	80S	2.5	10MR	2.4	15MR	3.2	10S	45	99
375	SVPWL-23-02	13.3	40S	3.2	10MR	0	0	3	10S	46	99

376	SVPWL-23-03	15.3	40S	1.7	10MR	2.33	10MR	13.4	40S	46	99
377	SVPWL-23-.04	10	40S	2.4	10MR	3.17	15S	8.4	40S	45	99
378	SVPWL-23-05	22	40S	3.7	20MR	4.83	15S	8	40S	46	99
379	SVPWL-23.06	15.8	30S	7.3	20MS	5.67	20S	2.9	10MR	56	99
380	SVPWL-23-07	33.5	100S	16.6	60S	5	30S	1.6	5S	46	99
380A	Infector	85	100S	82.9	100S	80	100S	78.9	100S	68	79
381	SVPWL-23-08	13.5	40S	2.6	20MR	0	0	1	5S	46	99
382	SVPWL-23-09	21.8	60S	7	20MS	0.03	0	2.7	10S	46	99
383	SVPWL-23-10	29	60S	8.3	20MS	0	0	2.1	10MS	46	99
	PRAYAGRAJ										
384	SHUATS-W64 (G3-MUTANT)	29.3	80S	2.9	10MS	0	0	42.2	60S	56	99
385	SHUATS-W89 (MR-3012/1/3/8)	41.3	100S	7.7	20MS	3.37	20S	60	80S	46	99
386	SHUATS-W105 (MR-3151)	27.5	100S	6.3	20MR	0	0	40.4	60S	46	99
387	SHUATS-W98 (MR-3014/2/4/2)	52	100S	10.6	40S	0.03	0	61.1	80S	57	99
388	SHUATS-W100 (MR-3152)	38.5	100S	18.4	40S	39.33	60S	41.8	80S	57	99
389	SHUATS-W85 (MR-3019/12/2)	41.5	80S	38.9	60S	38.33	60S	43.3	60S	46	78
390	SHUATS-W109 (MR-3177/8/3/3)	52.5	80S	11.7	40MR	16	60S	28.1	60S	46	78
391	SHUATS DURUM -1	12.5	40S	3.2	10S	8.33	40S	4.5	20S	56	99
392	SHUATS DURUM -2	13.2	40MS	3.5	20S	0.17	0	4.6	20S	56	99
393	SHUATS DURUM - 3	7.2	30S	2	10S	0	0	2.9	15S	56	99

	RPCAU-PUSA										
394	RAUW 122	25.2	60S	7.8	20MS	16.33	50S	11.2	40S	46	99
395	RAUW123	24.5	60S	7.1	20MS	12.33	40S	7.6	20MS	56	99
396	RAUW124	19.5	60S	5.5	20MR	13	40S	23.6	60S	45	99
397	RAUW125	36.3	60S	6.3	20MS	10.33	40S	34.2	60S	35	67
398	RAUW 126	38.8	80S	3.2	10MS	8.83	30S	46.7	80S	46	99
399	RAUW 127	22.8	80S	18	40S	22.73	50S	7.6	20S	46	99
	AYODHYA										
400	NW-8103	17	40S	3.5	20MS	15	80S	12	40MS	56	99
400A	Infector	82.5	100S	80	80S	80	100S	75.6	80S	68	89
401	NW-8104	13.3	60S	3.2	10MS	3.5	15S	8.1	20S	56	99
402	NW-8105	19.8	60S	4.3	20S	0.67	5MS	7.3	40S	56	99
403	NW-8106	18.8	60S	4.3	10MR	9	30S	10	40S	56	99
404	NW-8107	19.3	60S	3.3	10MS	3.17	15S	34.2	60S	56	99
405	NW-8108	13.5	40S	4.9	10MS	8.33	30S	16.2	40S	46	99
406	NW-8109	27.6	60S	3.3	10MS	6.67	20S	38	60S	46	99
407	NW-8110	26.5	60S	6.3	20MS	11.67	20S	14.2	40S	56	99
408	NW-8111	14	60S	5.1	20MR	18.33	40S	24.7	60S	46	99
409	NW-8112	18.4	60S	5.9	20MS	11.67	30S	12.6	40S	46	99
410	NW-8113	3.8	10S	11.4	40S	28.4	50S	25.9	60S	56	99
411	NW-8114	12	60S	5.7	20MS	4	20MS	3.4	10S	46	99
412	NW-8115	16.8	60S	3.2	10MS	8	30S	14	40S	46	99

413	NW-8116	16.9	60S	5.7	20MS	13	40S	10.2	40S	45	99
414	NW-8117	20.8	80S	3.3	10MR	8.33	40S	32.4	60S	45	99
415	NW-8118	10.3	40S	3.9	10MS	10	30S	13	40S	46	99
416	NW-8119	30.5	60S	4.9	10S	0.87	5S	13.4	40S	46	99
417	NW-8120	25.3	60S	10.3	40S	8.33	30S	22.3	60S	46	99
418	NW-8121	36	80S	3.2	10MR	1.83	10S	20.1	60S	45	99
419	NW-8122	28.3	60S	4.4	20S	0.07	0	9.2	40S	45	99
	BANDA										
420	BUDW-1	21	80S	5.4	40MR	0.07	0	4	20MS	57	99
420A	Infector	80	80S	82.9	100S	76.67	90S	76.7	80S	68	89
421	BUDW-2	17.1	40S	3.7	10MS	0.4	5MR	3.4	10MS	46	99
422	BUDW-3	14.3	60S	3.9	20S	0	0	1.4	10MR	46	99
423	BUBW-1	35	80S	3.1	10MR	5	20S	11.2	40S	46	99
424	BUBW-2	41.8	80S	6.9	40S	4	20S	17	60S	46	99
	ARI PUNE										
425	MACS 4152	26	60S	3.1	10MR	0	0	1.7	10MR	45	99
426	MACS 4153	19.3	60S	2	10MS	0	0	3.3	20MR	46	99
427	MACS 4154	18.7	60S	2.9	10MS	3.33	20S	2	20MR	56	99
428	MACS 4155	21.8	80S	3.1	10MS	1.73	10S	1.9	10S	46	99
429	MACS 4156	12	40S	3.2	10S	1.67	10S	2.3	20MR	46	99
430	MACS 4157	10.2	40S	2	10MR	1.67	10S	1.4	10MR	56	99
431	MACS 4158	15.5	60S	1.7	10S	0.83	5S	2.8	10S	46	99

432	MACS 4159	19.5	60S	2.3	10MS	1.17	5MR	2.9	20MR	46	99
433	MACS 4160	17.9	60S	3.4	10MR	0	0	4.2	20MS	56	99
434	MACS 4161	21.3	60S	5.9	20MS	0	0	3.5	20S	56	99
435	MACS 5066	3.3	20MR	2.9	20MS	0.83	5S	24.2	60S	46	78
436	MACS 5067	1.5	10MS	0.6	10MR	0	0	24.4	60S	46	78
437	MACS 6869	13.5	60S	1.8	10S	0.17	0	32.1	60S	46	99
438	MACS 6870	13.8	60S	4.6	20MS	0.97	5S	23.6	60S	56	99
439	MACS 6871	29.5	80S	6.3	20MR	14	40S	42.9	60S	57	99
440	MACS 6872	9.1	20S	3.2	10MR	3.33	20S	48.7	80S	57	99
440A	Infector	82.5	100S	80	80S	81.67	100S	75.6	80S	68	89
441	MACS 6873	14.6	40S	4.6	20MS	3.5	20MS	58.3	80S	57	99
442	MACS 6874	16.8	60S	2.6	10MS	0.83	5S	27.8	80S	46	99
443	MACS 6875	29.8	80S	7.1	10S	1.73	10S	8.2	40S	46	99
444	MACS 6876	12.1	60S	3.2	10MS	1.83	10S	14.4	60S	57	99
445	MACS 6877	13.3	60S	2.8	10MR	3.17	10S	48.3	60S	57	99
446	MACS 6878	11.6	40S	4.1	20S	1.67	10S	40.6	60S	56	99
447	MACS 6879	9.8	40S	4.9	30S	0	0	15.7	60S	56	99
448	MACS 6880	19.1	40S	7.5	20MS	14.83	40S	5.6	20S	46	99
449	MACS 6881	22	80S	4.6	20S	6.67	30S	21.1	60S	56	99
450	MACS 6882	17	40S	1.7	10S	2.33	15MS	20.1	40MS	56	99
451	MACS 6883	1.5	10MR	2.9	10MS	1.67	10S	22.4	60S	46	78
452	MACS 6884	4	20S	6	30S	5.83	15S	12.2	40S	56	99

453	MACS 6885	5.3	20S	5.7	20MS	3.33	20S	0.4	5MS	47	99
454	MACS 6886	11.4	20S	1.7	10S	6.5	20S	8.8	40S	46	99
455	MACS 6887	10.1	30S	0.9	10MR	6.73	40S	5.3	20S	46	99
456	MACS 6888	13.6	60S	3.2	20S	0	0	21.2	60S	57	99
457	MACS 6889	7.9	40S	4.3	20MS	0	0	42.2	60S	57	99
458	MACS 6890	21.3	40S	4.6	20S	0.33	5MR	18.2	40S	46	99
459	MACS 6891	30	60S	4.9	20MS	3.67	20S	10.5	40S	46	99
	VIJAPUR										
460	VA 2022-12	13	60S	1.8	10MS	0	0	26.2	60S	57	99
460A	Infector	82.5	100S	82.9	100S	76.67	90S	74.4	80S	78	99
461	VA 2022-19	7.5	30S	2.9	10MR	0.83	5S	60	80S	56	99
462	VA 2022-34	10.1	40S	0.9	10MR	1.4	10MS	54.4	60S	56	99
463	VA 2022-08	6.8	40S	1.2	10MS	0	0	45.6	60S	46	99
464	VA 2022-09	6.1	30S	2	10MR	2.83	20MS	40	60S	57	99
465	VA 2022-10	29.3	80S	23.6	60S	46.67	60S	41.7	60S	56	99
466	VA 2022-36	8.3	40S	14	40MS	22.33	40S	31.7	60S	57	99
467	VA 2022-04	7.1	40S	6	20MS	7.33	20S	53.3	80S	56	99
468	VA 2022-05	5	30S	0.9	10MR	1.33	10MS	52	80S	57	99
469	VA 2022-18	5.2	30S	1.7	10MR	0	0	43.9	60S	57	99
470	VA 2022-21	6.6	40S	1	10MR	0.13	0	50	80S	46	99
471	VA 2022-15	13.5	60S	3.9	10MS	2	10S	51.7	80S	46	99
472	VA 2022-01	9	40S	1.7	10S	0.17	0	55.6	80S	57	99

473	VA 2022-22	6.6	30S	3.1	20MR	0	0	49.1	60S	46	99
474	VA 2022-11	4.1	20S	2.3	10MR	0	0	36.9	60S	46	99
475	VA 2022-07	17.5	80S	10.3	40S	23.33	40S	34.2	60S	46	99
476	VA 2022-14	7.8	40S	11.4	40MS	19	50S	39.1	60S	46	99
477	VA 2022-30	7.6	40S	5.7	20MS	6.17	20S	32.9	60S	46	99
478	VA 2022-24	18	80S	3.7	10MR	3.33	20MS	61.1	80S	46	99
479	VA 2022-23	6.5	30S	3.2	20MS	8.33	30S	23.6	60S	46	99
480	VA 2022-29	29.5	80S	30.6	80S	50.03	80S	62.2	80S	56	99
480A	Infector	85	100S	82.9	100S	81.67	100S	76.7	80S	78	99
481	VA 2022-28	14	60S	2.1	10MR	0.23	0	37.3	60S	56	89
482	VA 2022-06	8.8	40S	1.6	10S	0.67	10MR	61.1	80S	56	99
483	VD 2022-4	10.5	60S*	2.1	10MR	0	0	2.8	10S	46	99
484	VD 2022-19	6	40S	1.7	10S	0	0	4.2	15S	56	99
485	VD 2022-11	8.5	40S	0.6	10MR	0	0	1.4	10S	57	99
486	VD 2022-20	9.1	40S	0.5	5MR	1.73	10S	7.7	20S	57	99
487	VD 2022-6	8.6	40S	2.3	10MR	2.5	10S	7.4	20S	56	99
488	VD 2022-15	10.9	40S	3.4	20S	3.33	20S	3.4	20MR	46	99
489	VD 2022-3	6.4	40S	0.6	5MR	0.17	0	11.6	40S	56	99
490	VD 2022-2	4.1	20MS	0.9	10MR	0	0	7.3	20S	46	99
491	VD 2022-14	14.6	60S	2.2	10R	0.07	0	5.6	20S	56	99
492	VD 2022-17	9.3	40MS	4.6	20S	0.83	5S	8.2	20S	46	99
493	VD 2022-10	4.8	20S	3.2	10MS	3.33	20S	3.7	20MR	56	99

494	VD 2022-7	7.5	30S	1.7	10MR	0	0	6.9	20MS	56	99
495	DR-21-04	36.1	100S	10.3	40S	3.43	20S	17	40MS	57	99
496	DR-21-05	15	80S	4.8	10MR	4.03	20S	53.3	60S	56	99
497	DR-21-16	35.9	100S	10.7	40S	3	10S	67.8	100S	57	99
498	DR-21-23	19.8	80S	4.6	20S	1.67	5S	51.1	80S	57	99
499	DR-22-03	14.1	60S	6	10MR	0.7	10MR	44.7	80S	57	99
	KALYANI										
500	BCW 41	14.1	40S	3.5	10MS	7.67	20MS	41.1	80S	46	99
500A	Infector	80	80S	80	80S	80	100S	77.8	80S	78	99
501	BCW 42	19.3	60S	3.5	10MR	8.4	50S	20.2	40S	56	99
502	BCW 43	10.9	30S	4.3	20MS	4.67	20S	27.2	60MS	56	99
503	BCW 44	9	20S	4.9	20MS	9	20MS	7.6	20MS	46	99
504	BCW 45	3.7	10S	7	20MS	10.13	30S	21	40S	46	99
505	BCW 46	14.9	60S	1.8	10MR	9.17	30S	9.4	20MS	46	99
506	BCW 47	18.8	80S	2	10S	4	20MS	6	20MS	46	99
507	BCW 48	28.5	80S	4.7	20MS	5.83	20S	14.4	40S	56	99
508	BCW 49	4.4	20MS	3.9	10MS	9.33	20S	31.9	60S	46	99
509	BCW 50	24.3	80S	5.5	20S	7	20S	20.4	40S	46	99
	KANPUR										
510	KA 2301	9.8	20MS	0.4	5MR	5.83	20S	28	60S	35	57
511	KA 2302	11.6	20S	2.6	20MS	9.67	30S	27.6	40S	46	57
512	KA 2303	26	60S	5.1	20MS	11.53	30S	43.3	60S	46	78

513	KA 2304	21	40S	3.2	10MR	19.67	80S	13.8	40S	46	99
514	KA 2305	5.7	20S	3.7	20S	7	40S	16.5	40S	46	99
515	KA 2306	10.6	30S	4.9	20S	9	40S	42.2	60S	56	99
516	KA 2307	7.3	40S	3.8	20MS	3.67	20S	45.6	60S	46	99
517	KA 2308	5.4	20MS	3.5	20S	7.33	30S	21.4	40S	46	99
518	KA 2309	2.8	10MR	7	20MS	12.33	40S	38.9	60S	46	78
519	KA 2310	11.6	40MR	2.7	10MS	7	30S	6.3	20MS	46	99
520	KA 2311	9.9	40S	2.1	10S	4.9	20S	10.9	20MS	46	99
520A	Infector	80	80S	82.9	100S	81.67	100S	75.6	80S	78	99
521	KA 2312	15.1	40S	3.7	10MR	5.67	30S	7.9	20MS	46	99
522	KA 2313	11.8	30S	2	10MR	0.83	5S	35.2	60S	46	78
523	KA 2314	15.5	40S	3.2	10MR	6.67	30S	5.6	20MS	46	99
524	KA 2315	16	40S	4.3	10S	11.67	40S	4.7	20MS	56	99
525	KA 2316	14.8	30S	0.7	10MR	9.73	40S	7.5	40S	46	99
526	KA 2317	12.3	40S	6.3	20MS	1.93	5S	41.1	60S	57	99
527	KA 2318	3.5	10MS	2.9	20MR	5.07	10S	27.9	60S	36	59
528	KA 2319	7.2	20S	4.3	20S	13.83	30S	21.9	40S	46	99
529	KA 2320	33.8	80S	2.6	10MS	6.17	20S	13.4	40S	46	68
530	KA 2321	10.3	60S*	5.4	20S	10.73	40S	24.3	60S	57	99
531	KA 2322	9.6	60S*	3.2	20S	1.73	10S	57.8	80S	46	99
532	KA 2323	23.5	60S	4	10MS	17	40S	25.3	60S	57	99
533	KA 2324	24.3	80S	6.5	20MS	0.4	5MR	17.1	60S	57	99

534	KA 2325	13.5	60S	5.9	20MS	8.83	20S	11.2	20S	46	99
535	KA 2326	5.3	20R	2.9	20S	0.17	0	11.1	20S	56	99
536	KA 2327	14.3	60S	1.5	10S	4.5	15MS	3.7	10S	46	99
537	KA 2328	8	30S	8.2	40MS	20	40S	12.7	40S	56	99
538	KA 2329	16.9	60S	3.2	20MS	5	15S	8.2	40S	46	99
539	KA 2330	4.4	20S	0.3	5MR	0.67	5MS	3	10MS	56	99
	KAMADGIRI PVT										
540	KGW90	18.5	60S	2.3	10S	0.43	5MR	3.8	10S	47	99
540A	Infector	82.5	100S	82.9	100S	78.33	100S	77.8	100S	78	99
	NUZIVEEDU SEEDS										
541	NWS2217	33.5	80S	5.5	20MS	0.87	5S	20.8	40S	46	99
542	NSW2218	37.5	80S	5.2	20MS	0	0	20	40S	46	99
543	NWS2247	17.5	40S	5	20MR	5.57	15S	5	20S	46	99
	IARI WEELINGTON										
544	HW3928-1	6.1	20MR	0.9	10MR	0.73	10MR	36.7	60S	46	99
	HAU HISAR										
545	P 14154	35	80S	1.7	10MR	7.57	20S	3.3	15S	46	99
546	P 14197	25.3	60S	9.8	20MS	30	60S	8	20S	47	99
547	P 14283	28.3	60S	12.9	40S	13.53	20MS	5.7	20MS	46	99
548	P 14304	23.5	60S	3.8	20S	8.97	40S	21.7	40S	56	99
549	P 14306	10.3	40S	1.5	10MS	1.67	10MS	5.8	20S	46	99
550	P 14309	17.9	40S	19.4	40MS	19	40S	5.5	20S	57	99

551	P 14316	51	100S	14.9	40S	27	60S	7	40S	46	99
552	P 14328	26.5	60S	8	20MS	20	50S	7.2	40S	46	99
553	P 14335	20.5	60S	4.6	20S	11.33	50S	4.9	20MS	46	99
554	P 14341	9.3	20S	1.7	10S	5.37	30S	3.3	15MR	56	99
555	P 14342	30	60S	6.6	20MS	15.67	40S	5.9	20MS	46	99
556	P 14346	32.5	60S	14.9	40S	30	60S	3.8	10S	46	89
557	P 14350	40.3	80S	17.1	40MS	28.33	60S	4.6	20S	57	99
558	P 14353	43	80S	14	40MS	28.33	40S	4.9	20S	46	99
559	P 14358	14.8	20S	1.2	10MR	10.5	20S	4.3	10MS	46	99
560	P 14361	27.5	80S	4.6	20MS	5.17	20S	19.2	40S	46	99
560A	Infector	82.5	100S	82.9	100S	80	100S	76.7	80S	78	99
561	P 14362	20.5	60S	4.3	20MS	0.67	5MS	13.9	80S	56	99
562	P 14364	10.5	40S	14.9	40S	20.8	40S	2.2	10S	56	99
563	P 14369	11	40S	2.3	10MR	13.67	50S	14.6	40S	46	89
564	P 14375	19.3	40S	10	20MS	34.33	60S	9.7	20S	56	99
565	P 14395	40.8	100S	19.1	80S	23.33	60S	10.2	40S	57	99
566	P 14396	36.5	100S	14.3	20S	36.67	60S	25.2	60S	56	99
567	P 14404	40	80S	14.3	40S	33.33	60S	6	40S	57	99
568	P 14407	35	80S	10.6	20S	18	40S	7.9	40S	57	99
569	P 14426	6.3	20S	1	10MR	5.7	30S	10.9	40S	45	89
570	P 14429	17.7	40S	4.3	20MS	2.33	10MR	4.8	10S	46	99
571	P 14430	26.9	80S	2.6	10MR	11.17	40S	5	20MS	46	99

572	P 14444	7.6	30S	4.6	10MS	6.67	20S	14.3	40S	56	99
573	P 14452	6.3	20S	3.5	20MS	0.83	5S	10.9	40S	46	99
574	P 14288	23.8	40S	4.6	20MR	9.17	20S	6.5	20MR	46	89
575	P 20009	37	80S	12	40MS	25	60S	4.4	20S	57	99
576	P 20010	42.5	80S	16.6	40S	25.03	60S	5.9	40S	57	99
577	P 20017	24.5	40S	6.9	20MS	9.4	20S	6.3	20S	46	99
578	P 20025	41.3	80S	12.3	40MS	14.83	40S	7	40S	46	99
579	P 20032	18	40S	2	10MS	1.73	10S	20.6	40MS	46	99
580	P 30033	17.4	60S	0.3	5MR	3.67	20S	14.9	40S	46	99
580A	Infector	85	100S	82.9	100S	80	100S	76.7	80S	68	79
581	P 20034	9.5	30S	1.5	10MR	6.33	20S	11	20S	46	99
582	P 20037	12.4	60S	1.2	10MR	1.73	10S	21.1	40S	46	99
583	P 20040	17.8	40S	2.2	10MS	3.17	10S	17.1	40S	46	99
584	P 20042	13.5	40MS	4.4	10MR	8	20S	22.1	60S	56	99
585	P 20043	33.8	80S	0.7	S10	6	20S	12	40S	57	89
586	P 20045	16.3	30S	2	10MR	6.67	20S	5.8	20MR	45	99
587	P 20057	38.3	80S	7.9	30S	1.33	10MS	20.6	40S	46	99
588	P 20061	12.4	40MS	4.7	20MS	12.03	40S	6.7	40MS	46	99
589	P 20063	25.8	80S	3.7	10MR	5.37	20S	4.4	20S	56	99
590	P 20075	6.4	30S	2.1	10MR	2	10S	13.6	40S	45	99
591	P 20078	24.3	80S	1.5	10MR	6.5	20S	10.6	40S	56	99
592	P 20079	24.3	80S	1.9	10MS	0.17	0	11.6	40S	56	99

593	P 20081	16.1	80S	5.3	20MS	8.33	20S	11.6	40S	56	99
594	P 30022	13.3	80S*	3	10MS	3.83	10MS	5.6	20S	57	99
595	P 30024	10.5	40S	1.8	10S	0.4	5MR	6.9	20S	45	99
596	P 30034	4.8	20MR	4.9	20MS	13.33	40S	10	40S	46	99
597	P 30035	4.6	20S	1.2	10MR	0.67	10MR	6.2	20S	45	99
598	P 30041	13.5	40S	5.4	20MS	16.67	40S	2.4	10S	56	99
599	P 30044	12.6	40S	5.7	20MS	12.53	40S	5.8	20S	56	99
600	P 30054	14.8	40S	0.6	5MS	4.47	20MS	18.1	40S	56	99
600A	Infector	85	100S	82.9	100S	81.67	100S	75.6	80S	78	99
601	P 30055	18.3	40S	10.3	20S	20.67	40S	6.4	20S	56	99
602	P 30060	29.3	60S	6.4	20MS	21.67	40S	14.6	60S	57	99
603	P 40001	15.3	40S	13.4	20S	22.33	40S	8.9	40S	57	99
604	P 40003	29	80S	6.3	20S	6.83	20MS	8.9	40S	57	99
605	P 9041	26.5	80S	6.1	40S	1.67	10S	6.9	40S	46	99
606	P 9058	29.8	100S	7.5	40S	0	0	5.1	40S	56	99
607	P 9059	20	80S	2	10MS	0.83	5S	5.7	40S	56	99
608	P 9074	19.8	80S	2.3	10S	0.83	5S	3.9	20S	57	99
609	P 9079	34.7	100S	13.7	60S	5.33	20S	9.8	40S	56	99
	IARI										
610	IARI-23-01	25.5	100S	2.2	S40	1.4	10MS	2.9	10MS	46	99
611	IARI-23-02	3.7	20MS	3.5	20S	4.33	20S	7.7	20MS	46	99
612	IARI-23-03	22.5	60S	4.1	20S	0.17	0	1.1	10MS	46	99

613	IARI-23-04	20.5	80S	10.2	40S	4	20S	2.6	10S	46	89
614	IARI-23-05	37	80S	8.3	40S	1.33	10MS	3.9	20S	45	99
615	IARI-23-06	12.4	40S	2.9	10MS	5.33	20S	3.9	20S	46	99
616	IARI-23-07	15	60S	2.6	20MR	0	0	0.7	5S	46	99
617	IARI-23-08	25.8	80S	6.3	20S	1.4	10MS	1.8	10MS	45	99
618	IARI-23-09	14	40S	3.6	20S	6.67	30S	7.4	40S	56	99
619	IARI-23-10	13.1	60S	3.2	20S	3.37	15S	8.7	40MS	56	99
620	IARI-23-11	28.5	80S	2.1	10MR	0.9	5S	21.3	60S	46	99
620A	Infector	82.5	100S	82.9	100S	80	100S	76.7	80S	78	99
621	IARI-23-12	51	100S	8.9	20S	4	20S	18.4	60S	56	99
622	IARI-23-13	46	100S	6.3	40S	0.67	10MR	10.1	40S	46	99
623	IARI-23-14	27.6	80S	5.9	20MS	6.87	20S	17.9	40S	57	99
624	IARI-23-15	31.3	80S	4.4	20MS	6	10S	16.7	40S	56	78
625	IARI-23-16	27	80S	3.1	20MS	4.2	10MS	19.9	60S	46	89
626	IARI-23-17	43.3	80S	3.5	20S	0.83	5S	16.7	60MS	46	99
627	IARI-23-18	17.5	80S	5.5	20S	8	20S	2.1	10S	46	99
628	IARI-23-19	19.1	80S	1.3	10MS	0	0	1.2	10MR	46	99
629	IARI-23-20	6.6	20S	7.7	20MS	9.17	20S	7.9	20MS	57	99
630	IARI-23-21	4.3	20S	1.6	10S	4.67	20S	18.7	40S	67	99
631	IARI-23-22	7.8	40S	2.6	10MS	0	0	52.2	80S	46	89
632	IARI-23-23	27.3	80S	7.5	40S	0	0	2.8	20MS	46	99
633	IARI-23-24	23.8	80S	6.9	40S	6.47	20MS	4.4	20MS	47	99

634	IARI-23-25	11.9	60S	3.2	20MS	5.73	20S	20.6	40S	46	78
635	IARI-23-26	22.9	60S	1.5	10R	0.33	5MR	7.2	40S	45	99
636	IARI-23-27	12.5	40S	2.3	10MS	1.5	10MR	9.6	20MS	46	99
637	IARI-23-28	24.3	100S	6.3	20S	0.83	5S	1.1	10S	46	99
638	IARI-23-29	9.8	60S*	2	10MR	0.37	5MR	9.3	40S	56	99
639	IARI-23-30	5.1	20S	8.6	20MS	10.8	40S	12.1	40S	56	99
640	IARI-23-31	21.3	80S	10.6	40S	18.33	40S	15.2	40S	56	99
640A	Infector	82.5	100S	80	80S	78.33	100S	76.7	80S	78	99
641	IARI-23-32	38.2	80S	10.9	40S	16.33	40S	22.4	40S	47	78
642	IARI-23-33	12.6	60S	3.3	20MS	7.33	40S	15.3	40S	57	99
643	IARI-23-34	16	80S	0.9	10MR	2.83	15S	9	40S	57	99
644	IARI-23-35	11.1	60S	3	20S	4.33	20MS	53.3	80S	46	99
645	IARI-23-36	9.8	40S	1.7	10MS	2.33	10MR	56.7	80S	56	99
646	IARI-23-37	11.6	60S*	3.6	20MS	3.33	20S	51.1	80S	67	99
647	IARI-23-38	11.5	60S*	2.2	20MR	3.47	20S	46.7	80S	46	99
648	IARI-23-39	12.3	60S*	1.3	20MR	1.67	10S	52.2	80S	56	99
649	IARI-23-40	5.5	20S	4.3	20S	1.67	10S	46.2	80S	57	99
650	No Seed (Infector)	32.3	60S	16.4	40S	31.67	60S	54.4	60S	57	99
651	No Seed (Infector)	32.5	60S	15.3	40S	32.5	60S	50.9	80S	57	99
652	IARI-23-43	8.3	20MR	1.7	10S	1.67	5S	13.3	60S	46	89
653	IARI-23-44	1.5	10MR	0.9	10R	1.7	10S	20.3	40S	46	99
654	IARI-23-45	6.3	20MS	0.2	5R	0.17	0	23.6	60S	46	99

655	IARI-23-46	12.3	30S	4.4	20S	0.07	0	26.2	60S	36	79
656	IARI-23-47	2.3	10MS	6	10MR	5.83	20S	15.6	40S	46	99
657	IARI-23-48	16.5	60S	4.1	20MS	1.67	10S	14.9	40S	45	89
658	IARI-23-49	25	60S	7	20MS	0	0	18.2	60S	46	99
659	IARI-23-50	7.8	40S	2.9	10R	0	0	29.9	60S	56	99
660	IARI-23-51	11.3	40S	3.2	20S	1.67	10S	2.9	10S	56	99
660A	Infector	80	80S	80	80S	78.33	100S	76.7	80S	78	99
661	IARI-23-52	23	80S	4.8	20S	1.83	10S	0.8	5S	46	99
662	IARI-23-53	16.4	40S	4.1	10MS	3	10MS	6	20MS	57	99
663	IARI-23-54	10.6	60S*	4.7	20S	0	0	3.6	15S	56	99
664	IARI-23-55	10.3	40S	1.9	10MR	0.83	5S	2	10S	46	99
665	IARI-23-56	14.8	80S	2.9	20MR	4	15MR	15.7	60S	46	99
666	IARI-23-57	24.8	80S	6	40S	0	0	2.3	15S	46	99
667	IARI-23-58	30	80S	9.9	20MS	8	20S	10.3	40S	46	99
668	IARI-23-59	42.5	100S	8.7	40S	3.33	20S	10.2	80S*	46	99
669	IARI-23-60	21.5	60S	7.4	20MS	12.03	40MS	7.4	20S	46	59
670	IARI-23-61	26.3	60S	8.4	20MS	12.67	40S	10.2	40S	57	99
671	IARI-23-62	13	60S	3.2	10MR	0.73	5MS	6.1	20S	46	99
672	IARI-23-63	23.5	60S	3.4	10MS	8.33	20S	17.3	60S	46	99
673	IARI-23-64	19.1	60S	2	10R	4	20S	11.8	40S	46	99
674	IARI-23-65	9.6	40S	3.7	20MS	11.17	40S	4.7	15S	47	89
675	IARI-23-66	16.8	30S	4.3	10MR	7	20S	8.4	20S	46	99

676	IARI-23-67	7.6	30S	2.9	10MR	10	40S	7.8	20S	46	99
677	IARI-23-68	5.9	20S	0.8	S10	5.33	20S	19.8	80S	46	99
678	IARI-23-69	5.4	20S	0.7	10MR	0.83	5S	57.8	80S	56	99
679	IARI-23-70	6.8	40S	1.2	10R	1.33	10MS	45.8	80S	57	99
680	IARI-23-71	6.9	40S	1.9	20MR	0.67	10MR	58.3	80S	57	99
680A	Infector	82.5	100S	82.9	100S	85	100S	73.3	80S	68	79
681	IARI-23-72	8.5	40S	3	10MS	1.4	10MS	58.9	80S	56	99
682	IARI-23-73	1.8	10S	1.2	10MS	0.67	5MS	54.4	80S	56	99
683	No Seed (Infector)	37	60S	16.9	40MS	18.33	40S	57.8	80S	46	99
684	IARI-23-75	12.1	40S	4.7	20S	11.33	20S	4.6	10S	46	99
685	IARI-23-76	21	60S	8	20S	3.33	20S	5.2	20S	46	99
686	IARI-23-77	44.5	100S	8.2	20S	3.17	10MR	14	40S	46	99
687	IARI-23-78	28.5	80S	3.2	20S	2	10S	5.1	20MS	56	99
688	IARI-23-79	27.8	80S	6.5	40S	0.83	5S	31.1	60S	46	99
689	IARI-23-80	6.7	20MR	2.4	10S	6.67	20S	10.2	20S	57	99
690	IARI-23-81	28.8	60S	12	40S	21.67	40S	21.7	40S	45	99
691	IARI-23-82	10.8	60S*	2	10R	0	0	5.4	20S	57	99
692	IARI-23-83	10	40S	2.3	10R	0	0	6.2	20S	57	99
693	IARI-23-84	8.3	40S	0.8	10MR	0	0	11.1	40S	57	99
694	IARI-23-85	21.3	80S	1.8	10S	0	0	1.2	10MR	57	99
695	IARI-23-86	8.9	40S	2.9	10R	3.33	20S	4.7	20S	57	99
696	IARI-23-87	14.8	60S	2.3	10MR	3.33	20S	5.4	20S	46	99

697	IARI-23-88	16	60S	1.9	10S	0	0	2	15S	46	99
698	IARI-23-89	13.8	60S	4.9	20S	0	0	4.1	20S	46	99
699	IARI-23-90	17.3	60S	3	10MS	1.67	10S	3.1	20S	46	89
700	IARI-23-91	9.3	40S	1.5	10MR	0	0	9.2	40S	46	99
700A	Infector	82.5	100S	80	80S	80	100S	76.7	80S	78	99
701	IARI-23-92	26.5	100S	9.3	40S	0.37	5MR	5.2	40S	56	99
702	IARI-23-93	11.8	40S	1.5	S40	1.5	10MS	21.8	60S	56	99
703	IARI-23-94	10.8	60S	1.5	10MS	4.33	20MS	39.8	80S	46	99
704	IARI-23-95	7.4	20S	4.7	10MS	14	40S	7.9	20S	46	99
705	IARI-23-96	1.2	10MR	0.7	10MR	2.33	5S	34.4	60S	46	99
706	IARI-23-97	4	10MS	3.5	20MS	2.5	10S	9.3	40S	46	99
707	IARI-23-98	18.8	80S	0.7	5S	0.9	5S	6.8	40S	45	99
708	IARI-23-99	50	80S	2	10MS	1.33	10MS	11.8	40S	45	99
709	IARI-23-100	30.8	80S	8.1	40S	0	0	1.9	10S	46	99
710	IARI-23-101	20.5	60S	6.1	20S	5.5	20S	8.7	40S	46	99
711	IARI-23-102	21.8	80S	0.7	10MR	5.67	20S	4.2	20S	56	99
712	IARI-23-103	11.1	40S	1.2	10MR	1.67	10S	2.1	10S	46	99
713	IARI-23-104	46.3	80S	7.3	20S	8	20MS	17.3	40S	46	99
714	IARI-23-105	4.6	10MR	0.5	5R	5.07	20S	17.7	40S	57	89
715	IARI-23-106	26.4	80S	6.3	20S	7.03	30S	9.6	30S	46	99
716	IARI-23-107	4.7	20MS	7.7	20S	23.47	60S	25	80S	46	99
717	IARI-23-108	10.8	40S	0.9	10MR	10.83	60S	64.4	80S	46	99

718	IARI-23-109	7.5	40S	2.7	10MS	9.67	40S	58.9	80S	56	99
719	IARI-23-110	7.3	40S	1.9	10S	5.33	20S	46.7	80S	57	99
720	IARI-23-111	7.6	30S	4.1	20S	0	0	50	80S	67	99
720A	Infector	80	80S	80	80S	81.67	100S	80	100S	79	99
721	IARI-23-112	13.8	40S	4.6	20MS	0.4	5MR	7.8	40S	56	99
722	IARI-23-113	12	40S	2.7	10MS	1.73	10S	20.6	40S	56	99
723	IARI-23-114	27.3	80S	8.7	40S	0	0	9.4	30S	46	99
724	IARI-23-115	13.3	40S	2	10S	2.13	10S	4.2	20S	57	99
725	IARI-23-116	4.8	10R	1.5	10MR	2.57	10S	14.8	40S	56	99
726	IARI-23-117	45	100S	12.7	60S	6.33	30S	15.6	40S	46	99
727	IARI-23-118	9.5	60S*	3.9	10MS	2	5MR	5.3	15S	56	99
728	IARI-23-119	7.6	30S	3.6	20MS	3.17	10MR	18.4	40S	46	78
729	IARI-23-120	27.9	80S	7.6	40S	0.2	0	3.4	10S	45	99
730	IARI-23-121	13.3	60S	1.7	10S	1.73	10S	20.6	40S	46	99
731	IARI-23-122	26.8	80S	9.5	60S*	0	0	1.7	10MS	46	99
732	IARI-23-123	23	60S	10.6	60S*	3.33	20S	2.3	10S	46	99
733	IARI-23-124	28.3	80S	6.9	20MS	1.23	5S	5.6	20MS	46	99
734	IARI-23-125	13.6	60S	9.3	40S	1.83	5S	4.4	20S	45	99
735	IARI-23-126	10.3	40S	2.1	S20	3.33	20S	2.1	15S	45	78
736	IARI-23-127	10.5	40S	2.6	20MR	1.33	10MS	3.2	15S	56	99
737	IARI-23-128	29.5	80S	21.4	60S	30	60S	7.1	30S	46	99
738	IARI-23-129	51.3	80S	16.3	60S	3	10S	19.7	40S	46	99

739	IARI-23-130	19.5	40S	2.1	10MS	0	0	16.8	40S	46	99
740	IARI-23-131	24.5	60S	3	20S	0.67	5MR	9	20S	46	99
740A	Infector	82.5	100S	82.9	100S	81.67	100S	75.6	80S	78	99
741	IARI-23-132	5.3	20S	2.3	10MR	5.83	20S	37.1	60S	57	99
742	IARI-23-133	11.8	60S	3.5	10MS	0	0	17.6	40MS	57	99
743	IARI-23-134	7.9	30S	1.9	10MS	1.67	10S	40.7	60S	57	99
744	IARI-23-135	2	10R	0.3	5MR	1.33	5R	21.6	40S	57	99
745	IARI-23-136	11	30S	3.8	20MS	3.5	20S	4.8	20S	46	99
746	IARI-23-137	24	60S	9.5	20S	11.67	40S	2.3	15S	35	56
747	IARI-23-138	24.5	80S	7.2	20S	6.83	20S	7.6	40S	46	99
748	IARI-23-139	47.5	100S	12	60S	3.33	20MR	15.2	40S	45	99
749	IARI-23-140	39.8	80S	11.6	40S	10.67	20S	24.2	40S	46	99
750	IARI-23-141	13.8	40S	2.3	10MS	4.67	20S	8.7	30S	46	99
751	IARI-23-142	19.3	60S	4.8	20S	7.63	30S	4.6	10S	56	99
752	IARI-23-143	30	80S	8.8	40S	1.67	20MR	2.4	10S	46	78
753	IARI-23-144	1.2	10MS	0.9	10R	1.67	10S	1	5MS	46	77
754	IARI-23-145	1.9	10S	0.7	10MR	2.5	10S	3.3	10S	35	89
755	IARI-23-146	33	80S	10.3	40S	11.73	40S	1.8	10S	46	99
756	IARI-23-147	27.4	80S	9.3	20S	12.17	40S	0.8	5MR	46	99
757	IARI-23-148	16.8	40S	2	10MR	10.33	40S	2.1	10S	56	99
758	IARI-23-149	17.8	40S	4.7	20S	2.5	20MR	3.6	10S	46	99
759	IARI-23-150	24.1	100S	8.3	40S	0.83	5S	2.9	15S	46	99

760	IARI-23-151	34	100S	9.5	40S	3.4	20S	0.8	5S	57	99
760A	Infector	80	80S	80	80S	80	80S	76.7	80S	68	79
761	IARI-23-152	17	40S	2.1	10S	0.67	10MR	1.9	10S	57	99
762	IARI-23-153	12.5	60S	2.1	10MR	0.83	5S	5	20MS	57	99
763	IARI-23-154	3.9	20MS	0.9	10MR	0.07	0	1	5S	46	99
764	IARI-23-155	16.3	60S	5	20S	2.03	10MR	7.1	40S	45	99
765	IARI-23-156	6.6	20S	1.1	5MR	0.77	10MR	8.8	40S	46	99
766	IARI-23-157	13.1	40S	5.3	20MS	11	30S	14.8	40S	46	99
767	IARI-23-158	2.8	10MS	1.5	10S	0.07	0	11	40S	45	99
768	IARI-23-159	3.3	20MS	3.8	20MS	0.17	0	3.9	10MS	46	99
769	IARI-23-160	19.3	40S	5.9	20MS	9.5	40S	6.3	20S	46	99
770	IARI-23-161	26.3	80S	8.9	30S	17.53	60S	4.1	15S	47	99
771	IARI-23-162	38.8	80S	7	20S	0.13	0	1.9	5S	35	67
772	IARI-23-163	30.8	100S	5	20MS	3.33	20S	4.3	20MS	46	99
773	IARI-23-164	37.3	80S	11.5	40S	10	20S	13.1	60S	56	99
774	IARI-23-165	27.5	80S	9.1	40S	6.73	40S	32.9	80S	46	99
775	IARI-23-166	42.9	100MS	7	20MS	0.07	0	24.5	60S	56	99
776	IARI-23-167	19.5	60S	2.8	10MS	3.67	20S	14.3	40S	46	99
777	IARI-23-168	23.3	80S	2.7	10MR	8.4	20S	7	20S	46	99
778	IARI-23-169	21.8	60S	9.6	20MS	11.67	30S	10.5	40S	46	99
779	IARI-23-170	9.6	40S	4	10MR	3	10MR	28.3	60S	45	99
780	IARI-23-171	16.1	60S	2.2	10S	2.57	15S	11.4	40S	46	99

780A	Infector	82.5	100S	82.9	100S	83.33	100S	78.9	100S	78	99
	IIWBR STN TRIAL										
781	RWP2079	21.8	60S	1.1	5R	1.2	10MR	12.1	40S	46	99
782	RWP2080	2.7	20MS	4.7	10MR	4	15S	4.8	20S	56	99
783	RWP2081	15	60S	3.3	10MR	2.5	10S	16.8	40S	57	99
784	RWP2197	8	30S	5.7	50MR	8.33	30S	5.3	20S	57	99
785	RWP1062	14.2	30S	3.7	20S	10.67	40S	4	20S	56	99
786	RWP1199	9.3	40S	9.5	20S	18.33	40S	3.4	10S	46	99
787	LBP2023-1	14.5	40S	3.2	10MS	7	15MR	5.8	20S	57	99
788	LBP2023-2	14.5	30S	3.6	10MS	16.7	40S	5.8	20S	47	99
789	LBP2023-3	25	80S	5.2	20MS	17.17	40S	5.8	20MS	46	89
790	LBP2023-4	12.8	60S	3.5	10S	12.33	40S	2	10S	46	89
791	LBP2023-5	12.4	80S*	4	10MS	10.1	40S	12	40MS	46	89
792	LBP2023-6	26.8	60S	11.2	20S	33	90S	3.7	20S	57	99
793	WAP2301	15.3	40S	9	20MS	11.33	20S	4.4	20S	46	99
794	WAP2302	24	60S	3.5	10MS	7	20S	10.2	40S	56	99
795	WAP2303	21.8	80S	2.2	10S	0	0	16.8	40S	46	99
796	WAP2304	22.5	40S	2.6	10MS	1.5	10MR	13.1	40S	45	99
797	WAP2305	14.8	40S	4.6	20MS	6	30S	27.4	60S	35	78
798	WAP2306	21	60S	2.7	10MS	2.4	10MR	11.1	40S	35	99
799	PBS-ST-1-23-01	29.5	60S	13	60S	0.83	5S	13.6	40S	36	89
800	PBS-ST-1-23-02	39.8	80S	11.7	40S	18	40S	35.6	60S	46	99

800A	Infector	82.5	100S	82.9	100S	81.67	100S	80	100S	78	99
801	PBS-ST-1-23-03	12.6	30S	1.6	10MS	6.5	30S	18.4	60S	46	99
802	PBS-ST-1-23-04	33	60S	8.3	40S	0	0	3.4	15S	45	78
803	PBS-ST-1-23-05	19.1	40S	8.5	40MS	15	40S	10.6	40S	56	99
804	QYT 2301	5.4	20S	5	20S	7.67	20S	14.6	40S	57	99
805	QYT 2302	4	20S	2.7	10MS	6.77	30S	11.7	40S	56	99
806	QYT 2303	1.8	10R	4.7	20MS	13.47	40S	17.1	40S	46	99
807	QYT 2304	12.3	60S	2	10S	1.67	20MR	19.6	200S	46	99
808	QYT 2305	13	40S	2.3	10MS	10.07	40S	18.2	40S	46	89
809	QYT 2306	16.8	40S	1.9	10S	8.67	20S	23	40S	57	99
810	BSP 2302	8	30S	19.7	40S	24.67	60S	30.2	40S	56	99
811	BSP 2303	14	40S	8.3	30S	15.83	60S	22.4	40S	56	99
812	BSP 2304	16.5	60S	7.3	30S	8.83	20S	18.4	40S	46	99
813	BSP 2305	15	30S	5.2	20S	6.7	20S	12.5	40MS	46	99
814	BSP 2306	6.7	20S	2	10MR	5.2	15MR	16	40MS	46	99
815	RWP1057	22.3	60S	2.7	20MR	6.33	15S	15.4	40MS	46	99
816	RWP1131	19.3	60S	4.6	10MR	9.33	20MS	14.4	40MS	46	99
817	RWP2146	14.5	60S	2.8	10MS	3.4	20S	10.7	40MS	46	99
818	RWP2189	19.9	60S	1.7	10S	3.33	20S	18.4	40S	46	99
819	LBP2023-7	20.6	40S	4.3	10MS	4.5	20S	15	40S	47	99
820	LBP2023-8	16.8	40S	0.4	5MR	2.67	15MS	14.4	40S	46	99
820A	Infector	80	80S	80	100S	80	100S	77.8	80S	78	99

821	LBP2023-9	24.5	50S	1	5MR	2.67	15MR	16.4	40S	46	99
822	LBP2023-10	22.3	60S	4	20MR	0.4	5MR	6	40S	46	99
823	WAP2307	21.5	40S	4.5	10MS	1.67	5S	31.4	60S	45	99
824	WAP2308	22.3	80S	16.9	40MS	19.17	40S	47.1	60S	46	99
825	WAP2309	19.5	60S	3.3	10S	2.07	10MR	21.2	40S	56	99
826	WAP2310	7.6	40S	5.3	20MR	2.67	20MR	7.6	20S	46	99
827	PBS-ST-2-23-01	13.3	40S	1.5	10S	8	30S	10.7	40S	45	99
828	PBS-ST-2-23-02	18.4	60S	2.6	20MR	2.67	10S	10.6	40S	35	89
829	PBS-ST-2-23-03	8.4	30S	5.1	20MS	5.67	20MS	5.9	20S	45	99
830	PBS-ST-2-23-04	9.8	30S	3.2	10MR	12	30S	40.7	80S	46	99
831	QYT 2307	5.4	20MS	1.4	10MR	7.33	30S	11.8	20S	45	99
832	QYT 2308	22	40S	7.7	20MS	10.03	40S	2.3	10S	46	99
833	QYT 2309	4.2	20S	4	10MS	9	40S	15	40S	45	99
834	BSP 2307	11.8	40MS	6.3	20MS	9.67	30S	8.3	20S	46	99
835	BSP 2308	18.3	40S	7.3	20MS	8.33	20S	41.1	60S	46	99
836	BSP 2309	12	40MS	3.5	10MR	4.83	15MR	8.7	30S	46	99
837	RWP1556	9.6	40MR	2.6	10S	14.83	40S	4.1	30S	46	99
838	RWP1831	14.1	40S	5	20S	13.67	40S	16.7	60S	46	99
839	RWP1880	13.5	40S	0.6	10MR	0.33	5MR	5.8	20S	46	99
840	RWP2071	15	40S	1.7	10S	7	20S	5.5	30S	46	99
840A	Infector	80	80S	80	100S	80	100S	78.9	100S	78	99
841	LBP2023-11	2.6	10S	6.3	20MS	11.33	40S	13.1	40S	46	99

842	LBP2023-12	11.4	40S	4	10MS	11.67	40S	20.4	40S	46	99
843	LBP2023-13	10.1	40MS	1.2	10MR	2.07	15MR	5.4	20S	35	89
844	LBP2023-14	16	60S	4	10MS	6.5	20S	1.8	10S	46	99
845	WAP2311	14.4	60S	4.6	20S	4.33	15MR	13.9	40S	46	99
846	WAP2211	9.1	30S	3.2	10MR	1.33	10MS	12.6	40S	46	99
847	WAP2312	11.5	30S	2	10S	2	10MS	11.2	40S	46	99
848	WAP2313	26.9	60S	9.9	20MS	25	70S	6	20S	56	99
849	PBS-ST-3-23-01	11.2	40S	2	10S	16.33	50S	22.8	60S	56	99
850	PBS-ST-3-23-02	22.8	40S	2.6	10S	1.73	10S	8.6	20S	35	99
851	PBS-ST-3-23-03	18	60S	10.3	30S	8.83	40S	5.5	20S	46	99
852	PBS-ST-3-23-04	22.5	60S	10.6	20MS	12.17	40S	12.3	20S	35	78
853	QYT 2310	2.4	10MS	2.9	10MS	8.07	40S	4.1	20S	35	99
854	QYT 2311	16	80S	2.3	10MR	6.73	20S	22	60S	56	99
855	QYT 2312	5.5	20S	1.7	10R	0	0	20.4	40S	46	99
856	QYT 2313	23.8	40MS	3.7	10MR	1	5S	19.9	40S	46	99
857	BSP 2310	3.6	10R	3.4	10MR	6.2	30S	6.2	20S	46	99
858	BSP 2311	14.8	40S	8.3	20MR	10.4	30S	10	40S	46	99
859	RWP1549	17.8	40S	1.8	10R	6.73	30S	1.4	10MS	46	99
860	RWP1844	3.5	10S	3.1	20S	4.17	20S	1.4	10MR	45	99
860A	Infectior	80	80S	82.9	100S	80	100S	77.8	80S	78	99
861	RWP1899	2.2	10S	2.5	20MS	7.33	20MS	5.7	20S	46	99
862	RWP2060	47.5	80S	11.6	60S	0.83	5S	1.8	10MS	45	99

863	LBP2023-15	14.3	40MS	3.7	10MR	1	10MR	1.8	10S	45	99
864	LBP2023-16	21	80S	2	10S	5	15S	14.2	40S	46	99
865	LBP2023-17	24.3	80S	2.7	10MS	4.17	20S	7.2	20MS	46	99
866	LBP2023-18	24.5	80S	14.9	40S	5	20S	8	20S	46	99
867	WAP2314	33.7	80S	2.6	10MR	2.73	10S	10.9	40S	46	99
868	WAP2315	19.8	40S	6	20MS	5.83	10S	7.8	20S	46	99
869	WAP2316	12.6	30S	3.6	10MS	2.5	20MR	6.2	20S	45	99
870	WAP2317	26	60S	14.1	40S	25	60S	2.3	10S	45	99
871	PBS-ST-4-23-01	15	60S	4.4	10MR	13.37	40S	12.8	40S	46	99
872	PBS-ST-4-23-02	19.3	40S	2.6	10MR	16.67	40S	30	60S	46	99
873	PBS-ST-4-23-03	21.7	60S	8.1	20MS	7.7	20S	9.6	20MS	46	99
874	QYT 2314	8.3	30S	4.9	10MS	9.67	30S	31.8	60S	46	99
875	QYT 2315	27.5	60S	7.7	20MS	16.67	40S	27.1	40S	46	99
876	QYT 2316	4.9	40MR	1.2	10MR	0.07	0	1.1	5S	45	99
877	QYT 2317	11.4	40MS	5.8	20S	8.17	15S	15.7	40S	35	78
878	BSP 2312	13	30S	2.4	10MR	10.37	30S	8.8	20S	46	99
879	BSP 2313	21.5	60S	4	10MS	4.67	20S	5	20MS	46	99
880	BSP 2314	15.3	40MS	4.3	20MS	15	40S	40	60S	46	99
880A	Infector	80	80S	80	80S	78.33	90S	76.7	80S	78	99
881	RWP2137	1.8	10MR	1.6	10S	0.33	5MR	15.2	40S	46	99
882	RWP2185	5	30S	1.5	10MR	1	10MR	8.8	20S	45	99
883	RWP2190	20.3	60S	7.5	20MS	7.37	30S	19.5	60S	46	99

884	RWP2191	11.9	30S	2.9	10R	3.8	20S	13.2	40S	45	99
885	LBP2023-19	9.3	40MS	3	20MS	4.63	20S	21	40S	35	99
886	LBP2023-20	5.6	20MS	2.9	10MS	2.5	10MS	19.6	40S	35	78
887	LBP2023-21	21.6	60S	3.6	20MS	3.4	20S	16.1	40S	35	89
888	LBP2023-22	13.8	30S	4.5	10S	11.07	40S	7.9	40S	46	99
889	WAP2301	14.5	40MS	6.7	20S	12	30S	5.8	20S	46	99
890	WAP2316	12.3	20S	3.5	15MS	8.67	30S	6.8	20S	46	99
891	WAP2303	20.8	80S	1.9	10MR	0.83	5S	12.4	40S	46	99
892	WAP2318	10.4	40S	2.4	10MR	0.23	0	13.8	40S	45	99
893	PBS-ST-5-23-01	23.3	80S	4.3	10MR	4.87	15S	5.1	20S	35	89
894	PBS-ST-5-23-02	37.5	80S	7.7	20MS	2.5	5S	8.6	20S	46	99
895	PBS-ST-5-23-03	15.5	40MS	6	20MS	14	40S	9.7	40MS	46	99
896	QYT 2318	24.5	60S	7.1	20MS	2	10S	14.6	40S	36	78
897	QYT 2319	14.1	60S	2.1	10MR	2	10S	4.4	20S	45	99
898	QYT 2320	1.3	10MR	4.2	20S	11.5	40S	15.9	40S	46	99
899	QYT 2321	5.2	20S	3.2	10R	8.33	20S	12.2	40S	46	99
900	BSP 2315	4.3	40MR	3.9	20MS	9	20S	10.8	20S	46	99
900A	Infector	82.5	100S	82.9	100S	81.67	100S	76.7	80S	78	99
901	BSP 2316	3.8	10MS	4.6	20MS	5.83	30S	16	40S	46	99
902	BSP 2317	15.3	30S	10.9	20S	18.33	40S	8.2	20S	46	99
	PAU, LUDHIANA										
903	WBL 0026	2.2	10MR	2.3	10MR	0	0	4.2	10MS	46	99

904	WBL 0028	4.8	20MR	1.2	10MS	0	0	1.7	10S	46	99
905	WBL 0064	23.8	60S	1.2	10MS	3.33	20S	0.3	5MR	46	89
906	WBL 1564	21	40S	4.4	10MR	12.33	40S	0.1	0	46	78
907	WBL 1567	27.8	60S	5	10MS	5.67	20S	1.1	5S	46	78
908	WBL 1569	6.3	20MS	2.9	10S	17.07	60S	1.6	5S	36	56
909	WBL 1570	4.9	20MS	3.3	10MR	12.83	50S	1.1	5S	35	56
910	WBL 1573	3.2	20S	3	20S	0.83	5S	0.9	5MR	46	99
911	WBL 1574	22	60S	9.1	20S	5	20S	0.1	0	35	89
912	WBL 1575	21	60S	0.1	0	1.67	10S	0.9	5S	35	55
913	WBL 1578	17.4	60S	0	0	0	0	2.1	10MR	36	57
914	WBL 1585	27	60S	4.1	20MS	0.03	0	2.6	10MS	35	99
915	WBL 1586	27.8	60S	4	10MS	0	0	3.5	10S	35	99
916	WBL 1591	23.5	60S	3.7	10MS	1.13	10MR	0.6	5MS	35	78
917	WBL 1747	13.5	60S	3.5	10MR	4.67	15MS	0	0	56	99
918	WBL 1827	25	60S	1.2	5R	0.17	0	4.4	20S	45	89
919	WBL 1942	23.3	40S	0.6	5MS	0	0	0.9	10MR	35	57
920	WBL 1994	23.8	60S	10	40S	10.83	20S	14.5	40S	46	99
920A	Infector	77.5	80S	77.1	100S	76.67	80S	76.7	80S	68	89
921	WBL 2040	26.3	80S	45.7	80S	50	80S	4	20MS	45	99
922	WBL 2113	15.5	60S	4.1	20MR	9	30S	1	10MS	46	99
923	WBL 2114	22.8	60S	1.9	10MS	2.67	10S	2	10MS	45	99
924	WBL 2117	27	80S	0.2	5R	1.67	10S	4.2	10S	35	89

925	WBL 2240	14.5	80S	2.9	10MS	0	0	1	5MS	46	99
926	WBL 2241	16.6	80S	2.7	10MS	1.67	10MS	1.9	10S	35	99
927	WBL 2252	19.3	40S	1.7	10MR	7.17	30S	1.3	5MR	46	89
928	WBL 2254	35	80S	5.1	20MS	0	0	0.6	10MR	45	99
929	WBL 2255	15.3	40S	0.7	10MR	4	10MR	0.6	5MS	46	99
930	WBL 2256	16.1	40S	1.7	10MS	6.33	10MR	0.6	5S	35	99
931	WBL 2266	14.1	60S	5.7	30S	0	0	1	5S	46	99
932	WBL 2316	18.8	60S	3.5	10MR	16.7	80S	1	5MS	46	99
933	WBL 2317	21.5	60S	5.1	20S	21.83	90S	1	10MS	56	99
934	WBL 2332	16.3	60S	3.5	20S	20.33	70S	1.4	10MR	45	99
935	WBL 2337	31.3	80S	3.2	20S	0.2	0	3.8	10MR	45	99
936	WBL 2338	18	80S	3	10MS	0.83	5S	6.3	20S	46	99
937	WBL 2339	13.6	80S	2.7	10MS	0	0	0.3	5MR	56	99
938	WBL 2340	20.5	80S	3.2	10MS	1.73	10S	5.9	40S	46	99
939	WBL 2341	18.5	60S	3.5	20S	0.73	5MS	4.8	20MS	56	99
940	WBL 2342	17	80S	1.5	10S	0	0	2.3	10MS	46	99
940A	Infector	82.5	100S	80	80S	81.67	100S	76.7	80S	78	99
941	WBL 2343	19.8	60S	5.7	20MS	13.33	50S	0.1	0	45	99
942	WBL 2344	42.5	80S	8.9	40S	0.1	0	1.9	10S	46	99
943	WBL 2345	23	60S	3.4	10MS	15.13	40S	1.2	5MR	46	99
944	WBL 2346	30.6	60S	1.5	10R	3.33	20S	2.6	10MS	35	54
945	WBL 2347	38.8	80S	5.7	20R	1.4	20MR	1.4	10S	46	99

946	WBL 2348	16.3	80S	1.7	10S	3.33	10S	2	10MS	46	99
947	WBL 2349	12.8	60S	1.5	10MR	1.67	10S	0.6	5MS	46	99
948	WBL 2350	15.9	60S	4.1	10MS	15.67	40S	12.9	40S	46	99
949	WBL 2351	9.8	40MR	1.7	10S	17.5	50S	0.4	5MR	46	89
950	WBL 2352	11.3	40S	2.7	10MS	0	0	1.3	5S	35	67
951	WBL 2353	22	60S	5.8	20S	15	60S	0.3	0	46	99
952	WBL 2354	26.3	80S	4.4	20S	7.33	40S	0.6	5S	46	99
953	WBL 2355	28.5	80S	3.2	10MS	3.17	10S	2.9	10S	46	99
954	WBL 2356	8	20S	2.3	10MR	4	20S	8.6	20S	46	99
955	WBL 2357	14.8	80S	2.7	10MS	4.17	20S	4.5	20S	56	99
956	WBL 2358	13.6	40S	2.6	10MR	14.03	40S	13	40S	56	99
957	WBL 2359	17.3	60S	1.8	S20	1.77	10S	9.6	40S	46	99
958	WBL 2360	14.3	60S	4.5	20S	0.33	5MR	10.4	40S	46	99
959	WBL 2361	37.8	80S	8.7	S40	16.83	40S	1.2	10S	57	99
960	WBL 2362	16.8	60S	4.3	20S	0.87	10MR	7.9	40S	46	99
960A	Infector	80	80S	83.3	100S	81.67	100S	80	100S	78	99
961	WBL 2363	16.5	40S	6	20MS	16.67	60S	1.9	10S	56	99
962	WBL 2364	23.8	60S	1.9	10MR	6.5	30S	1.3	5S	36	57
963	WBL 2365	5.3	20MS	2.8	10MR	8.17	40S	1	5S	35	57
964	WBL 2539	4.5	20S	3	20S	0	0	3.5	20MS	56	99
965	WBL 2540	12	60S	2.3	10R	0.67	5MS	13.9	40MS	57	99
966	WBL 2544	13.5	40S	8.7	20MS	12.5	50S	2.6	10MS	46	99

967	WBL 2549	11.4	40S	5.3	20S	8.37	40S	10.1	40S	46	99
968	WBL 2550	19.3	80S	3	20S	0.33	0	5.9	20S	46	78
969	WBL 2552	17.3	60S	1.7	10S	5	30S	5.7	20S	46	89
970	WBL 2553	27	60S	2.6	10MS	4.17	20S	4	10S	46	99
971	WBL 2561	14.8	30S	2.6	10MS	8.33	40S	2.7	5MS	46	78
972	WBL 2578	14.4	60S	1.5	10S	0.67	5MS	3.3	10MS	46	99
973	WBL 2584	23.9	60S	8.9	40S	7.33	30S	1	5S	46	99
974	WBL 2587	26.3	60S	10.4	40S	9.33	20S	1.6	5S	46	99
975	WBL 2590	22.5	60S	2.7	10MS	3.33	20S	1.7	5MS	46	99
976	WBL 2602	11.6	40S	2.5	20MR	1.7	10S	1	10MS	46	89
977	WBL 2604	20.8	40S	2	10MR	3	10S	3.7	10S	46	99
978	WBL 2654	30	60S	6.3	40S	0.83	5S	2	5S	45	99
979	WBL 2655	41	60S	1.7	10MR	1.67	5S	3	10MS	46	99
980	WBL 2684	20.4	60S	4.4	20MS	6.67	15MR	0.7	5MS	57	99
980A	Infector	80	80S	82.9	100S	85	100S	76.7	80S	78	99
981	WBL 2685	24	60S	2.3	10MR	14	40MS	3.8	20S	46	99
982	WBL 2687	16.8	60S	3	10MR	15.17	40S	1.1	10MR	46	99
983	WBL 2689	21.1	60S	2.7	10MR	14.17	60S	1.4	10MS	46	99
984	WBL 2690	21.7	40S	3.5	10MR	15.73	50S	0.1	0	46	99
985	WBL 2691	20.9	40S	3	10MS	8.67	50S	1.2	10MS	46	99
986	WBL 2701	9.8	30S	3.3	10MS	14	40S	0.1	0	46	99
987	WBL 2714	21	40S	1.9	10S	8	30S	0.1	0	46	99

988	WBL 2721	21.4	60S	3.6	20S	2.5	10S	3.7	40MS	45	78
989	WBL 2734	10.5	30S	0.2	5R	0	0	0.6	5MS	45	78
990	WBL 2796	22	60S	7.8	20MS	6.67	20MR	7.9	20S	46	99
991	WBL 3051	8.8	30S	0.9	10MR	5.33	30S	6.1	20S	46	99
992	WBL 3052	9.3	40S	0.3	5MR	4	20S	13.1	40S	46	99
993	WBL 3053	11.5	40S	4	20MS	6	15MR	11.2	40S	46	99
994	WBL 3054	8.7	40S	1.8	10R	4.4	20S	10.2	40S	57	99
995	WBL 3055	17.2	60S	1.3	10MR	7.33	20S	12	40S	46	99
996	WBL 3056	12.8	40MS	4.9	20MS	5.93	30S	9.6	40S	46	99
997	WBL 3057	14.5	20S	11.1	20MS	8.37	20MS	13.4	40S	46	99
998	WBL 3058	11.8	40S	1.9	10MS	2.4	15MS	7.3	20S	46	99
999	WBL 3059	37	80S	3.7	10MR	4.5	15S	20.5	60S	46	99
1000	WBL 3060	5.5	20S	2.1	10MS	2.67	15MS	7	20S	46	99
1000A	Infector	80	80S	80	80SÂ	78.33	100S	78.9	100S	68	79
1001	WBL 3061	17.7	60S	4.3	20MS	10	30S	10	40S	46	99
1002	WBL 3062	2.5	10S	1.2	10MR	5.7	20S	11.2	40S	46	99
1003	WBL 3063	16.6	60S	3.1	10MS	3.87	15S	9.5	40S	46	99
1004	WBL 3064	18.3	60S	3	10MR	7.87	20S	8	20S	46	99
1005	BWL 7742	13.1	40S	1.7	20MR	1.67	10S	5	10S	46	99
1006	BWL 9965	17.1	40S	2.6	10MS	2.33	10S	0	0	45	99
1007	BWL 9966	14.5	40S	5.8	20MS	9.83	30S	3.8	10S	46	99
1008	BWL 9985	11.1	60S	0.9	10R	0.37	5MR	4.4	10S	45	99

1009	WG 2714	26	60S	2.6	10R	1.17	5S	6.9	20S	35	57
1010	WG 2905	31.6	80S	11.4	40MS	8.4	40S	3.2	10MS	45	78
1011	WG 2916	27.5	80S	2.9	10MS	5.83	20S	14.7	40S	46	99
1012	WG 2926	37.8	60S	1.6	10MR	1.7	10S	1.4	10MS	45	99
1013	WG 2929	16.5	40S	5.1	20MS	5	15S	2.9	10MS	46	99
1014	WG 2986	29.6	80S	5.4	20MR	2	10MS	3.6	10MS	46	99
1015	WG 2988	6.1	20S	2.2	10S	4.07	20S	8.2	40S	46	99
1016	WG 2995	8.3	30S	1.2	10MS	0.1	0	1.2	5MS	46	99
1017	WG 3000	23.8	60S	1.1	10MR	3.47	20S	2.7	10S	45	78
1018	WG 3001	20	40S	2.7	20MS	10.67	40S	1.1	10MS	46	99
1019	WG 3018	12.5	40MR	4.8	20MS	9.17	30S	3.4	10S	46	99
1020	WG 3020	15.8	40S	5.2	20S	11	30S	2	10S	56	99
1020A	Infector	82.5	100S	82.9	100S	81.67	100S	78.9	100S	68	89
1021	WG 3022	24.8	80S	4.3	20S	5.67	20S	9.6	40S	56	99
1022	WG 3029	11.9	30S	2.3	10MS	1.83	20MR	1	5S	56	99
1023	WG 3036	17.3	40S	6.3	20MS	9.67	30S	5.3	20MS	46	89
1024	WG 3082	28.8	60S	17.7	40S	22.33	50S	9	40S	56	99
1025	WG 3120	34.8	80S	5.5	20MS	5.07	20S	8.7	40S	45	99
1026	WG 3124	20.8	40S	11.1	20MS	15	50S	6.9	40S	56	99
1027	WG 3137	7.4	30S	5.1	20S	1.57	5S	9.2	40S	45	99
1028	WG 3195	13.6	30S	2.9	10MR	3.4	20S	11.4	40S	45	99
1029	WG 3255	11.5	40S	4.9	10S	8.83	20S	13.3	40S	36	78

1030	WG 3273	7.1	20MS	4.2	20S	0.07	0	3.6	15S	45	78
1031	WG 3274	16.3	40S	3.3	10MS	2.83	15S	6.5	40S	46	99
1032	WG 3290	26.5	40S	2	10MS	4.5	15MS	0.5	5MS	46	78
1033	WG 3291	6.1	20S	2.4	20MR	10.67	40S	0.9	5MS	35	57
1034	WG 3292	35.5	60S	2.6	10MS	0	0	5.8	40S	36	57
1035	WG 3293	13.8	40S	3.4	10MS	6.17	20S	2.1	10MS	46	99
1036	WG 3294	28	60S	1.7	10MS	0.9	5S	5.7	20S	46	89
1037	WG 3295	24.5	60S	10.6	20S	8.33	20S	2.4	20MS	45	99
1038	WG 3297	12.5	40S	5.3	20MS	8.17	20S	6	20S	46	99
1039	DWG 3087	19.3	40S	2	10MR	1.07	5MR	5.6	20S	45	89
1040	DWG 3116	17.6	60S	2.1	10MR	0.83	5S	6.7	20S	45	99
1040A	Infector	80	80S	82.9	100S	78.33	90S	76.7	80S	78	99
1041	DWG 3298	18.6	60S	6	20MS	0	0	3.4	20S	56	99
1042	DWG 3299	31.5	80S	0.9	10MR	1.67	10S	3.6	20S	46	99
	Dr CN Mishra										
1043	QYT23-1	11	60S	6.6	20MS	7.17	15S	20.1	40S	46	99
1044	QYT23-2	22.3	40S	3.7	20MS	5.07	15MR	13.2	40S	35	78
1045	QYT23-3	4.5	20S	9.3	40MS	5.83	20S	4.8	20S	45	99
1046	QYT23-4	4.9	20MS	4.1	20MS	9.2	20S	9.8	40S	45	99
1047	QYT23-5	11.6	40S	4.6	20MS	6.7	20S	5.8	20S	45	99
1048	QYT23-6	8.8	40S	12.9	20S	23.37	40S	10.9	20S	45	99
1049	QYT23-7	13.8	40S	6.6	20MS	11.67	20S	17.8	40S	56	99

1050	QYT23-8	22.8	80S	5.5	20S	7.83	20MS	9.2	30S	46	99
1051	QYT23-9	13.8	80S	5	20S	7.5	20S	21.7	40S	45	99
1052	QYT23-10	20.5	60S	6.3	20MS	10.83	40S	12.2	40S	46	99
	Dr Hanif Khan										
1053	RWP1526	1.2	10MR	1.5	10S	2.67	10S	8.6	40S	46	99
1054	RWP1555	9.8	20S	4	20S	7	30S	3.4	20MS	46	99
1055	RWP1560	16.5	40S	3.7	20MR	9.67	40S	5.6	30S	45	99
1056	RWP1762	17.9	80S	2.3	10S	3.3	15MS	18.2	40S	46	99
1057	RWP2089	10.3	60S	1.6	10S	6.67	20S	15.3	40S	35	67
1058	RWP2121	9.8	30S	2.6	10MS	3	10MR	5	20S	46	99
1059	RWP2198	38.8	80S	3.3	10MS	0.67	5MS	10	40S	46	99
1060	RWP2091	10.6	60S	1.4	10MS	4.4	20MS	16.2	40S	46	99
1060A	Infector	82.9	100S	83.3	100S	75	80S	76.7	80S	78	99
1061	RWP2194	28.5	60S	1.3	10MR	3.73	10S	16.7	40S	46	99
1062	RWP2068	4	20S	4.6	20S	4.73	20MR	13.3	40S	46	99
	Dr Sindhu Sareen										
1063	15003	19.5	40S	10.1	40MS	4.2	20MS	13.6	40S	45	99
1064	15005	14.8	40S	7.4	40MR	12.67	40S	3.9	10S	56	99
1065	15007	15.8	40S	10.6	30S	18.33	40S	2.9	10MR	46	99
1066	15009	14.4	40S	4.9	10S	11	40S	2.8	10MS	46	99
1067	15010	14.8	40S	7.3	20MR	12.67	40S	19.2	40S	35	57
1068	15004	11	40S	2.2	10S	3.13	20MR	10.2	20S	46	99

1069	15006	21.3	80S	3.4	10MS	0.73	5MS	1.2	10MS	45	99
1070	15008	31.3	60S	4	10S	10.33	30S	4.2	30S	46	78
	Dr B S Tyagi										
1071	PBS-IPPSN-23-1	40.8	100S	9	40S	0	0	5.6	20S	46	99
1072	PBS-IPPSN-23-2	22.8	60S	3.5	10R	0	0	3.7	20MS	46	99
1073	PBS-IPPSN-23-3	41.1	100S	5.1	20S	0	0	4.4	20S	46	99
	Dr Vikas Gupta										
1074	NEIPPSN-1	25.5	60S	1.9	10MS	0.67	10MR	17.7	60S	45	78
1075	NEIPPSN-2	33.8	80S	4.3	20S	2	10MS	20.1	60S	46	99
1076	NEIPPSN-3	21.4	80S	10.1	40S	6.33	20S	2.4	10S	46	78
1077	NEIPPSN-4	20.8	60S	4.9	20MS	8	30S	11.3	40S	46	99
1078	NEIPPSN-5	20.8	40S	5.6	10MS	11	20S	11.1	40MS	46	99
1079	NEIPPSN-6	13	40S	9.4	20MS	14.17	40S	14.9	40S	46	99
1080	NEIPPSN-7	4.4	30S	0.6	10MR	5.17	20S	12.2	40MS	46	99
1080A	Infector	77.1	80S	80	80S	78.33	90S	77.8	80S	78	98
1081	NEIPPSN-8	10.1	20S	2.4	10S	5.83	20MS	13.4	40MS	46	99
1082	NEIPPSN-9	17	40S	5.6	20S	15	40S	10.1	20S	46	99
1083	NEIPPSN-10	16	40S	2.3	10R	3	15MS	7.7	20S	46	99
1084	NEIPPSN-11	4.3	20S	11.1	20MS	5.83	20S	5.1	20MS	46	99
1085	NEIPPSN-12	3.3	20S	2.3	10MS	4	20S	5.3	20S	45	99
1086	NEIPPSN-13	11.3	20S	2.9	10MS	1.33	10MR	8.7	20S	46	99
1087	NEIPPSN-14	10.3	20S	6.7	20S	15	40S	7.8	20S	46	99

	Dr Satish Kumar										
1088	BSP 2318	22.3	80S	15	40S	20	80S	17.1	40S	57	99
1089	BSP 2319	5.9	20S	4.4	20S	3.83	10MS	1.7	10MS	35	89
1090	BSP 2320	9.5	40MS	7.6	20S	10.07	40S	3.7	20S	45	99
1091	BSP 2321	27.3	80S	11.7	20S	16.33	40S	5.6	20S	46	99
1092	BSP 2322	17	60S	9.7	20S	20	40S	5	20S	56	99
1093	BSP 2323	13.8	60S	3.6	20S	0	0	7.3	20S	46	78
1094	BSP 2324	19.7	100S	2.6	10MS	2.4	15MS	15.1	40S	46	99
1095	BSP 2325	31.5	100S	14.7	60S	20.5	40S	26.7	40S	46	99
1096	BSP 2326	26.6	60S	23.4	60S	5.97	20S	37.3	40S	45	99
1097	BSP 2327	15	40S	4.3	10S	1.5	5MS	26.1	40S	46	89
	Dr Vishnu Goel										
1098	DWAP2322	9.3	30S	2.1	10MS	9.33	40S	7.9	40S	57	99
1099	DWAP2323	9.8	20S	0.9	S10	1.17	5MR	5.4	20MS	46	99
1100	DWAP2324	3.3	20S	5.3	20MS	10	20S	1.2	5S	45	99
1100A	Infector	82.5	100S	82.9	100S	78.33	100S	78.9	100S	68	99
1101	DWAP2325	4.5	30S	0.7	10MR	2	10MS	3.9	10S	46	99
1102	DWAP2326	10.3	40S	12	20S	25	40S	1.8	20MS	46	99
	Dr Charan Singh										
1103	EMPSN-1	16.8	40S	4.7	20S	4.17	15S	12.8	40S	45	99
1104	EMPSN-2	10.4	20S	3.5	10MS	5.5	20S	9.2	40S	46	99
1105	EMPSN-3	18.5	80S	7.5	20MS	10	20S	0.6	5S	46	99

1106	EMPSN-4	15.3	40S	3.9	10MS	14	40S	1.8	20MS	45	99
1107	EMPSN-5	17	40S	5.9	20S	9.17	30S	10	40MS	47	99
1108	EMPSN-6	23.1	60S	5.7	20MS	19.17	40S	10.4	40S	46	99
1109	EMPSN-7	27.5	60S	11.3	40MS	15.83	40S	10.9	40S	57	99
1110	EMPSN-8	17.3	40S	3.9	10MS	13.83	40S	19.8	40S	56	99
1111	EMPSN-9	36.3	80S	3.2	10MS	1.07	10MR	13.8	40S	46	99
1112	EMPSN-10	18.3	60S	3.3	10MS	5	20S	9.4	40S	46	99
	POWARKHEDA										
1113	PKD IPPSN 2024-01	23.3	60S	4.9	20S	0	0	8.7	40S	56	99
1114	PKD IPPSN 2024-02	17	60S	5.9	40S	5	20S	3.8	20S	46	99
1115	PKD IPPSN 2024-03	16.8	60S	4.9	20MR	1.17	5MR	3.7	20MS	56	99
1116	PKD IPPSN 2024-04	13.5	40S	3.5	20S	0.07	0	2.8	20MR	56	99
1117	PKD IPPSN 2024-05	41	80S	9.5	40S	2	10S	9.9	40MS	45	99
1118	PKD IPPSN 2024-06	46.5	80S	23.1	60S	21.67	50S	47.3	80S	47	99
1119	PKD IPPSN 2024-07	26.3	80S	10	20MS	19.67	60S	40.7	80S	56	99
1120	PKD IPPSN 2024-08	0	0	10	20S	8	20S	15.2	40S	47	57
1120A	Infector	82.5	100S	80	80S	81.67	90S	76.7	80S	78	99
1121	PKD IPPSN 2024-09	21.3	60S	4.3	20S	0.33	5MR	6.4	20S	56	99
1122	PKD IPPSN 2024-10	20.8	80S	12.9	40S	10.83	40MS	27.6	60S	56	99
1123	PKD IPPSN 2024-11	9.7	20S	8.2	40S	2.67	15MR	6.6	40S	57	99
1124	PKD IPPSN 2024-12	21.6	80S	3.6	10MS	11.67	40S	7.7	20S	46	99
1125	PKD IPPSN 2024-13	13	40S	7.5	20S	12.5	20S	13.7	40MS	46	99

1126	PKD IPPSN 2024-14	15.3	20S	7.3	20MS	14.17	40S	9	40S	47	99
1127	PKD IPPSN 2024-15	15	40S	7.3	20MS	20	40S	7	20S	47	99
1128	PKD IPPSN 2024-16	14.8	40MS	6.3	20MS	12.67	40S	10	40S	46	89
1129	PKD IPPSN 2024-17	23.1	80S	7.6	20MR	16.17	40S	21	60S	56	99
1130	PKD IPPSN 2024-18	16	40S	2.9	10MS	8.17	20S	19.7	40S	56	99
1131	PKD IPPSN 2024-19	23.8	40S	6.1	20MR	10.33	20S	14.7	40S	56	99
1132	PKD IPPSN 2024-20	5.2	20S	9.3	20S	16.17	40S	30.8	60S	46	99
1133	PKD IPPSN 2024-21	8.3	30S	5	20MS	10.5	40S	7.6	20S	46	99
1134	PKD IPPSN 2024-22	3.3	20MR	14.3	40S	10	30S	5.1	20S	46	99
1135	PKD IPPSN 2024-23	13.3	40S	9.6	40S	5.33	15S	13	40S	57	99
1136	PKD IPPSN 2024-24	18	60S	12.3	40S	20	40S	15.4	60S	56	99
1137	PKD IPPSN 2024-25	19.5	60S	6.4	20MS	6.67	20S	33.6	60S	56	99
1138	PKD IPPSN 2024-26	17.3	60S	2.8	S20	6	20MS	15.3	40S	56	99
1139	PKD IPPSN 2024-27	17.1	60S	2.6	10MS	0.67	10MR	30.6	60S	46	99
1140	PKD IPPSN 2024-28	30.1	80S	9.8	40S	19.67	40S	9.4	40MS	46	78
1140A	Infector	80	80S	80	80S	78.33	90S	76.7	80S	78	99
1141	PKD IPPSN 2024-29	17	40S	4.3	10S	7.83	20MS	25.3	60S	46	99
1142	PKD IPPSN 2024-30	9	40S	1.2	10MS	10.33	30S	39	60S	46	67
	AKOLA										
1143	AKAW-4682	30	80S	14.4	40MS	23.33	40S	28	60S	56	99
1144	AKAW-5347	17	40S	11.7	40S	12.33	40S	28.3	60S	46	99
1145	AKAW-5448	18.5	80S	8.4	40S	3.67	20MR	33.2	60S	46	89

1146	AKAW-5513	38.3	80S	13.9	40S	4.5	15MS	41.1	60S	46	78
1147	AKAW-5521	18.3	80S	9.3	40S	13.17	40S	37.8	60S	46	99
1148	AKAW-5524	22.8	80S	11.1	20S	19.17	40S	46.7	60S	46	99
1149	AKAW-5555	17.3	80S	10.1	30S	4.33	15MR	33.3	80S	46	99
1150	AKAW-5557	26	80S	27.1	60S	31.33	60S	26.8	60S	56	99
1151	AKAW-5558	27.9	80S	11	20S	25	60S	34	60S	56	99
1152	WSM-180	23.8	80S	32	60S	41.67	90S	36.7	60S	57	99
	QCWBN										
1153	QBP 2308	30.5	60S	3.7	20S	2.23	10S	22.6	40S	46	99
1154	QBP 2309	23.3	80S	4.3	20S	5.17	15MR	9.3	20S	46	99
1155	QBP 2310	19.9	60S	6.2	40S	5.83	15S	21.3	40S	47	89
1156	LBP 2023-26	2.8	10S	3.2	20MR	7.83	20S	29.4	60S	46	99
1157	QYT 2322	23.3	60S	4.4	20MR	9.67	20S	32	60S	56	99
1158	RWP 2196	8.3	40MS	4	20MR	8	30S	17	40S	46	99
1159	WBL 1747	12.1	60S	1.8	10MS	7.33	30S	7.2	20MS	46	99
1160	WBL 0028	5	30S	1.3	10MR	5.9	20S	5.9	30S	46	99
1160A	Infector	80	80S	80	80S	81.67	100S	80	100S	68	79
1161	WBL 9966	20	60S	8.1	20MS	12.67	40S	3.9	20MS	46	99
1162	WHB1	15.3	40S	17.7	40S	28.33	50S	8.2	20MS	46	99
1163	WHB2	24.8	80S	8	40S	4.83	20S	10.6	20S	46	99
1164	UP 3127	8.3	40S	5.1	10MR	1.67	10MR	35.1	60S	46	99
1165	UP3102	18.1	60S	2.4	10MS	14	40S	21.7	40S	46	99
1166	K 2001	6.5	30S	1.2	10MS	4	20S	23.1	60S	46	67
1167	K 2101	3	20S	13.4	40S	15	30S	15.6	40S	45	67
1168	GW 1028	25.8	60S	7	30S	6.33	15S	20.8	60S	57	99
1169	GW 1029	13.3	60S	4.3	10MR	4	10S	2.1	10S	56	99

1170	GW 1367	7.9	40S	2	10MR	3	10MR	7.9	20S	56	99
1171	NIAW 4114	12.3	60S	1.6	10S	3.33	20S	52.2	80S	56	99
1172	NIAW 4120	9.8	60S	1.3	10MS	0	0	51.1	80S	57	99
1173	MACS 6892	22.8	80S	2.9	10R	4.17	10S	30.9	60S	57	99
1174	MACS 6893	11.6	60S	1.3	10MS	2.67	20MS	40.9	60S	56	99
1175	IBW 2022-22	5.7	40S	0.7	5R	1.83	10S	56.4	80S	46	99
1176	HDHG-2022-52 (d)	10.5	30S	6.6	20MS	4.07	20MS	13.2	60S	46	99
1177	UASQ 336 (d)	12.6	40S	5.7	20MS	5.67	20S	12.9	80S	46	99
1178	UASQ 337 (d)	16.6	60S	5.7	10MS	8	20S	2.9	20MS	46	99
1179	CG2213	5.8	30S	1.3	10MS	10	40S	46.7	80S	57	99
1180	QBP2311	18.5	40S	9	20S	23.33	60S	11.6	40MR	57	99
1180A	Infector	82.5	100S	82.9	100S	83.33	100S	77.8	80S	78	99
1181	BSP2328	7.5	40MS	4.6	10R	10.67	40S	16.3	40S	56	99
1182	QYT2325	23.8	60S	9.7	20S	11.33	30S	32.7	60S	56	99
1183	BST23-1 (d)	18.3	60S	6.1	40S	0	0	8.3	40MS	45	99
	SATSN										
1184	KRL 2207	40.5	100S	8.3	40S	0	0	18.4	40MS	46	99
1185	KRL 2212	7.5	30S	2.7	10S	4.4	20S	10.9	40MS	46	99
1186	KRL 2213	11.9	30S	1.1	10MR	6.73	40S	8.6	40S	46	78
1187	KRL 2214	3.3	10S	4.3	10R	7.5	20S	13.2	40S	46	99
1188	KRL 2215	16.3	30S	3	10MS	5.83	20S	11.6	40S	46	99
1189	KRL 2301	15.3	40S	6	20S	13.33	40S	11.9	40S	46	99
1190	KRL 2302	21.3	60S	7.7	20S	4.33	15MR	21.1	40S	46	99
1191	KRL 2303	7.8	40S	2.9	10MS	0.83	5S	11.3	40MS	45	89
1192	WBL 1547	30.3	80S	5.3	20MS	0.83	5S	0.1	0	46	78
1193	WBL 2300	26.4	60S	3.3	10MS	0.07	0	0.5	5MS	36	77
1194	K 2001	8.2	20S	1.2	10MR	0.07	0	17.6	60S	35	57
1195	K 2003	5.3	20S	0	0	0.07	0	18.4	60S	35	57

1196	NW 8082	28.4	40S	4.6	10MS	1.83	10MR	17.1	60S	45	99
1197	NW8090	18	40S	5.7	20MS	7.33	30S	12.8	40S	46	99
1198	PBS-SAL /ALK-23-01	11.1	30S	4.3	20MS	6.8	20S	22.1	60S	46	89
1199	WAP 2327	16.3	30S	7.5	20MS	16.67	40S	11.7	40S	46	99
1200	SANSR-10	11.8	30S	6.1	20MS	17.33	40S	28.2	60S	46	99
1200A	Infector	80	80S	82.9	100S	81.67	100S	78.9	100S	78	99
1201	LBP-2023-23	17.5	40S	14.3	20S	16.67	40S	9.5	40S	56	99
1202	RWP 1123	16.3	60MS	3.3	10MR	3.33	20S	2.9	10S	46	99
1203	BSP2301	28.3	80S	2.2	10S	2.67	15S	8.6	40S	46	99
1204	WH1341	14.6	60S	4	10MR	0.33	5MR	0.6	5MS	45	99
1205	WH1342	16.1	80S	5.4	20S	2.33	10MR	17.8	40S	46	99
1206	WH1343	14.5	40S	7.4	20S	8.33	20S	11.3	40S	46	99
1207	WH1344	15.3	40S	3.2	10MS	2	10S	2.2	10S	46	99
	BIOSEED										
1208	3101	17.4	80S	1.7	10MS	5.83	20S	54.4	80S	46	99
1209	3107	22	80S	2.7	10MS	1.67	10S	19.1	40S	46	99
1210	3109	15.3	80S	3	10MS	2.37	20MR	18.9	40S	46	89
	SIGNET PVT LTD										
1211	SIGNET 104	11	20MS	3.7	10MR	20.67	60S	15.7	40S	46	99
	SAHIB SEED										
1212	SAHIB 2607	21.7	40S	11	40S	28.67	50S	18.2	40S	46	89

Abbreviations: ACI = Average Coefficient of Infection, HS = Highest Score, Avg. = Mean, NG = No germination, *Indicates high rust score (more than 40S) at one location only.

Stem rust: Data of Wellington have not been considered due to erratic/ low disease development; Leaf rust (S): Data of Dharwad, and Wellington have not been considered due to erratic/poor disease development ; Leaf rust (N): Karnal Centre have not been considered due to erratic data; Strip rust: Data of Kudwani and Malan have not been considered due to wrong recording; erratic/too low incidence of disease