Table 1: Seedling response of AVT lines against the pathotypes of *Puccinia striiformis* f. sp. *tritici* (wheat yellow rust) during 2023-24 at ICAR-IIWBR, RS, Shimla

S. No.	Variety/line	Pathotype															*Yr*-gene
		46S119	110S119	238S119	78S84	110S84	P	T	79S4	79S68	111S68	K	N	6S0	7S0	14S64	
1	HD3086 (C)	R	S	S	R	S	S	S	R	MR	R	S	S	R	R	R	*Yr2+*
2	HI1668	S	MS	S	R	S	S	S	R	R	R	S	S	R	R	R	*#Yr2+*
3	HD3494	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
4	DBW417	MS	S	S	R	MS	S	S	R	R	R	S	S	MS	MR	R	-
5	DBW88 (C)	S	S	S	R	MS	R	R	R	R	R	R	-	R	R	R	-
6	PBW957	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
7	DBW222(C)	S	S	S	MS	MS	R	R	R	R	R	R	R	R	R	R	*#Yr2+*
8	DBW477	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
9	HD3471	R	S	S	MS	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
10	PBW916	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
11	DBW386	S	S	S	R	S	S	S	R	R	R	S	MS	R	R	R	*#Yr2+*
12	PBW826 (C)	S	S	S	R	R	S	S	R	R	R	MIX	MS	R	R	R	*Yr2+*
13	DBW476	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
14	HD2967	S	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
15	PBW725	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
16	HD3386 (I)(C)	S	S	S	R	R	S	S	MR	R	R	MS	MS	R	R	R	*Yr2+*
17	PBW958	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
18	HD3455	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
19	HD3059 (C)	S	S	S	R	MS	R	S	S	MR	R	R	MR	R	R	R	*Yr2+*
20	JKW261 (C)	S	S	S	R	S	MS	R	R	R	R	MS	MS	R	MR	R	-
21	NW8071	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*

22	DBW173 (C)	S	S	S	R	MR	R	R	R	R	MR	R	R	R	R	R	*Yr9+*
23	WH1324	R	R	R	R	-	S	S	R	R	R	MR	S	-	R	R	-
24	DBW422	R	S	S	R	MS	S	S	R	R	R	S	R	R	R	R	*Yr2+*
25	RAJ4581	S	S	S	MS	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
26	HD3428	S	S	S	R	MR	S	S	R	R	R	S	S	R	R	R	*Yr2+*
27	HD3495	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	-
28	PBW771 (C)	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	*Yr9+*
29	PBW921	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
30	PBW644 (C)	S	S	S	R	S	MR	R	R	R	R	MR	R	R	R	R	*Yr2+*
31	HI1653 (C)	S	S	S	R	S	S	S	R	R	MR	S	S	R	R	R	*Yr2+*
32	PBW927	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
33	HD3369	S	S	S	MS	S	S	S	R	R	MR	S	S	MR	MS	R	-
34	HD3468	S	S	S	MS	S	S	S	R	R	R	S	S	R	R	R	*Yr2+*
35	NIAW3170 (C)	S	S	S	S	S	S	S	R	MS	R	S	S	R	MR	MS	*Yr2+*
36	WH1326	R	S	S	R	MS	S	S	R	R	R	S	S	R	R	R	*Yr2+*
37	DBW296	R	S	S	S	S	S	S	MR	R	MR	S	S	R	MR	R	*Yr2+*
38	JKW304	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
39	WH1402 (I)(C)	R	R	-	R	-	R	R	R	R	R	-	R	R	R	R	*R*
40	PBW908	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
41	HP1978	S	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*YrA+*
42	HD3447	R	R	R	R	R	S	S	R	R	R	MS	S	R	R	R	*Yr2+*
43	PBW915	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
44	HD3388(I) (C)	S	MS	S	R	S	R	MS	R	R	R	R	R	R	R	R	*Yr2+*
45	UP3124	MS	R	MS	R	R	R	R	R	R	R	R	R	R	R	R	-
46	KRL2106	R	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*YrA+*
47	HD3249 (C)	S	S	S	MS	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
48	PBW913	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*

49	HD3467	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	-
50	BCW29	R	MR	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
51	UP3123	S	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*YrA+*
52	HI1563 (C)	S	S	S	R	MR	R	S	R	R	R	MS	MS	R	R	R	*Yr2+*
53	DBW107 (C)	-	S	S	R	R	S	S	-	R	R	R	R	R	R	R	*#Yr2+*
54	PBW833 (C)	R	S	S	R	R	R	R	R	R	R	MR	R	R	R	R	-
55	WH1323	R	R	MS	R	MS	S	S	R	R	-	R	S	R	R	R	-
56	HD3118 (C)	S	S	S	MS	S	S	S	R	R	R	S	S	R	R	R	*Yr2+*
57	HI1621 (C)	MS	S	S	S	S	S	S	MS	MS	S	S	S	R	R	R	*Yr2+*
58	HD3171 (C)	R	MR	R	R	MR	MS	R	R	R	R	R	R	R	R	R	-
59	HD3460	S	S	S	MS	MS	S	S	R	R	R	S	S	R	R	R	*Yr2+*
60	HD3293 (C)	S	S	S	R	R	MS	R	R	R	R	R	MS	R	R	R	*Yr2+*
61	HI1612 (C)	MR	MR	MS	R	S	S	MS	R	MR	R	MS	S	R	R	R	*Yr2+*
62	K1317(C)	R	S	S	R	R	R	S	R	R	R	R	R	R	R	R	*#-*
63	VL2041 (C)	R	R	MS	R	R	R	R	R	R	R	R	R	R	R	R	-
64	HPW349 (C)	S	MS	S	S	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
65	VL2059	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	*R*
66	HS562 (C)	S	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*YrA+*
67	VL907 (C)	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	*Yr9+*
68	MACS6837	R	S	S	R	S	S	S	R	R	MS	S	S	R	R	R	*Yr2+*
69	MACS4125 (d)	S	S	S	MS	MS	R	R	R	R	R	R	MS	R	R	MR	-
70	MACS4135 (d)	MS	S	S	R	R	MR	R	R	R	R	R	R	R	R	R	-
71	HI1669*	S	S	S	S	S	MS	MS	MR	S	S	S	S	MR	MS	S	-
72	HI1683	S	S	S	MS	S	S	S	MS	S	MS	MR	MS	MS	MS	S	-
73	HI1684	S	S	S	S	S	S	S	S	S	S	MR	MR	MR	MR	S	-
74	HI8848 (d)	S	R	S	S	S	S	R	R	S	MS	R	MR	S	S	S	-
75	HI8849 (d)	S	S	S	MR	S	MS	S	R	R	S	MR	MS	R	MS	MS	-

76	HI8850 (d)	S	S	S	MS	S	S	MS	R	R	MS	R	MS	R	R	MR	-
77	GW554	S	S	S	S	S	S	S	R	R	MS	S	S	R	R	R	*Yr2+*
78	GW555	S	S	S	S	S	R	MS	R	MR	R	R	MR	R	R	R	*Yr2+*
79	MP3570	S	-	S	S	S	MS	S	R	R	MS	S	MS	R	R	R	*Yr2+*
80	MPO1395	S	S	S	R	MR	MS	MR	R	R	S	R	MR	R	R	R	*Yr2+*
81	GW322	S	S	S	MS	S	S	S	R	MS	MS	S	S	MS	MS	MS	-
82	MACS6768	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
83	HI1650	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
84	GW547 (I)	MS	S	S	R	S	S	S	MS	S	MS	S	S	R	MR	R	*Yr2+*
85	HI8737 (d)	S	S	S	MS	S	S	MR	R	S	R	MR	MS	MS	S	S	-
86	HI8713 (d)	S	S	S	MS	MS	MS	MS	R	R	S	R	MS	R	S	S	-
87	HI1674*	S	S	S	R	S	S	S	R	S	R	S	S	R	R	R	*Yr2+*
88	HI1687	MS	R	S	S	S	S	S	R	MS	R	S	S	MS	MS	R	-
89	WSM138	S	S	S	MS	S	S	S	MS	MR	R	S	S	R	R	R	*Yr2+*
90	MACS6830	S	S	S	S	S	S	S	MS	S	S	S	S	R	R	R	*Yr2+*
91	DBW425	S	S	S	R	R	MS	S	R	R	R	S	S	R	R	R	*YrA+*
92	GW556	S	S	S	S	S	S	S	R	S	R	S	S	R	MS	R	-
93	HD2932	MS	S	S	S	S	S	S	R	MR	S	S	S	R	MS	R	-
94	MP4010	S	S	S	S	S	S	S	MS	S	S	S	S	R	R	R	*Yr2+*
95	HI1634	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
96	CG1029	S	-	S	S	S	S	S	MS	MS	S	S	S	R	R	R	*Yr2+*
97	DBW441M*	S	S	S	MS	S	S	S	R	R	MS	S	S	R	R	R	*Yr2+*
98	DBW428	S	MS	R	R	R	R	R	R	R	R	R	R	R	R	R	-
99	DBW432	S	MS	S	R	R	MS	S	R	R	R	MS	S	R	R	R	*YrA+*
100	UAS3029	S	S	S	R	R	S	S	R	R	R	S	S	R	R	R	*YrA+*
101	UAS484 (d)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-
102	NIAW4267	S	S	S	S	S	S	S	S	S	S	S	S	MS	S	S	-
103	HI8851 (d)	MS	R	S	R	R	S	R	R	R	R	R	R	R	R	R	*Yr2+*

104	HI8852 (d)	S	S	S	R	MS	MR	R	R	R	R	MR	R	R	R	MS	*Yr2+*
105	MACS4131(d)	S	R	S	R	MS	MS	MS	R	MS	R	R	R	R	R	R	*Yr2+*
106	MPO1398 (d)	MS	MS	S	S	S	R	R	R	MS	MS	R	R	R	MS	MS	-
107	DBW110	S	S	S	R	S	S	S	R	MS	R	S	S	R	R	R	*Yr2+*
108	CG1036	S	S	S	MS	S	S	S	R	MS	R	S	S	MS	MS	R	-
109	HI1655	S	S	S	S	S	S	S	S	S	S	S	S	MS	S	R	-
110	HI8627 (d)	MS	S	S	R	R	R	R	R	R	R	R	R	R	R	R	-
111	HI8823 (d)	MS	S	S	MS	MS	MS	R	R	MR	S	S	MS	R	MR	S	-
112	DBW359 (I)	R	S	S	R	R	S	S	R	R	R	MS	MS	R	R	R	*Yr2+*
113	CG1040 (I)	MS	S	S	MS	S	S	S	R	S	MS	S	S	R	R	R	*Yr2+*
114	MACS6842	S	S	S	MS	R	MS	S	R	R	R	MS	S	R	R	R	*Yr2+*
115	MACS6844	S	S	S	R	R	MS	S	R	R	R	MS	S	R	MR	R	-
116	NIAW4364	S	S	S	S	S	S	S	R	S	S	MS	S	R	R	R	*Yr2+*
117	PBW891*	R	S	S	R	R	R	S	R	R	R	MS	S	R	R	R	*Yr2+*
118	DBW443*	S	R	R	R	MS	R	S	R	R	R	R	MS	R	R	R	*Yr2+*
119	DDW62(d)	S	MS	S	S	MS	R	R	R	R	R	R	MS	R	MS	MR	-
120	AKAW5100*	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
121	WH1306*	-	S	-	R	R	MS	S	-	R	R	R	R	R	R	R	-
122	NWS2222*	S	S	S	MS	R	R	R	R	MR	R	S	S	R	MS	R	-
123	UAS3026	S	S	S	S	S	MS	MS	R	MS	S	S	R	R	MS	R	-
124	CG1045	MR	S	S	MS	R	S	S	R	R	R	S	S	R	R	R	*Yr2+*
125	MPO1395 (d)	MS	S	S	R	R	MS	R	R	R	R	MS	S	R	R	R	*Yr2+*
126	MACS6222	S	S	S	R	S	R	MR	R	R	R	S	S	R	MS	R	*Yr2+*
127	MP1378 (I)	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
128	MACS3949 (d)	S	S	S	MS	S	R	R	R	MS	R	R	R	R	R	MR	*Yr2+*
129	DBW426	S	S	S	R	R	MR	S	R	R	R	MS	MS	R	R	R	*YrA+*
130	MACS6829	S	S	S	S	S	S	S	S	S	S	S	S	S	S	MS	-

131	NIAW4114*	S	S	S	MS	S	S	S	R	R	MR	S	MS	R	R	R	*Yr2+*
132	NIAW4120*	S	S	S	S	S	S	S	MR	S	S	S	MS	R	R	R	*Yr2+*
133	NIAW4432	MS	R	S	S	R	R	S	R	R	R	S	S	R	R	R	*Yr2+*
134	UAS3027	S	S	S	R	MS	R	MS	R	R	R	R	R	R	R	R	*Yr2+*
135	LOK79*	S	S	S	S	S	MS	S	S	S	MS	MS	S	MS	MS	S	-
136	RAJ4083 (C)	R	S	S	S	S	MS	MS	R	R	R	S	MR	R	R	R	*Yr2+*
137	HD3090 (C)	S	S	S	R	S	R	R	R	R	R	MR	R	R	R	R	*Yr9+*
138	HI1633 (C)	S	S	S	R	S	R	R	R	R	R	R	R	R	R	R	*Yr9+*
139	CG1047	S	S	S	S	S	S	S	R	MS	MR	S	S	MS	MR	MS	-
140	GW1368(d)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-
141	HI1605	S	S	S	R	MR	R	MR	R	R	R	R	R	R	R	R	*Yr2+*
142	NIAW3170	S	S	S	MS	S	S	S	R	MS	MS	S	S	R	MS	R	-
143	UAS446(d)	S	S	S	MS	MS	S	R	R	S	MS	R	R	R	MS	R	-
144	NIDW1149 (d)	MS	S	S	R	MS	S	S	R	S	MS	MR	S	R	S	MS	-
145	HI1665 (I)	S	S	S	S	MS	MS	S	S	S	S	S	S	R	R	R	*Yr2+*
146	UAS478 (d)(I)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-

 # Different seed lot to that of previous cropping season, - Gene not postulated, *R* resistant to all pathotypes