

Annexure 3: Seedling Resistance Test of AVT II against pathotypes of yellow rust (*Puccinia striiformis tritici*) at Shimla during 2014-2015.

S. No.	VARIETY	PATHOTYPES												Gene postulation	
		78 S 84	P	46 S 119	K	T	I	38A	L	14A	20A	N	A		
		1	2	3	4	5	6	7	8	9	10	11	12		
Northern Hills Zone															
1	HS562	R	S	S	R	S	R	R	R	R	R	R	R	R	YrA+
2	HPW251 (C)	MS	R	MS	R	R	R	R	R	R	R	R	R	R	Yr9+
3	HPW349 (C)	MS	S	S	R	S	R	R	-	-	R	R	R	R	Yr2+
4	HS375 (C)	S	R	S	R	R	R	R	R	R	R	R	R	R	Yr9+18+
5	HS490 (C)	R	MS	MX	R	R	R	R	R	R	R	R	R	R	-
6	HS507 (C)	MS	R	MS	R	R	R	R	R	R	R	R	R	R	Yr9+
7	HS542 (C)	MS	S	MS	R	MS	R	R	R	R	R	R	R	R	Yr2+
8	VL804 (C)	S	R	MS	R	R	R	R	R	R	R	R	R	R	Yr9+18+
9	VL829 (C)	S	R	MS	R	R	R	R	R	R	R	R	R	R	Yr9+18+
10	VL892 (C)	R	S	MS	MR	MS	R	R	R	R	R	R	R	R	YrA+
11	VL907 (C)	MS	R	MS	R	R	R	R	R	R	R	R	R	R	Yr9+18+
North Western Plain Zone															
12	HD4730	S	R	MS	R	MS	R	R	R	R	R	R	R		Yr2+
13	MP1277	S	S	R	R	S	R	MS	R	R	R	R	R	MX	-
14	WH1164	MS	S	R	R	S	R	R	R	R	R	-	R	-	
15	DBW88 (C)	R	R	MS	R	R	R	R	R	R	R	-	R	-	
16	DBW90 (C)	MS	S	MX	R	MX	MS	R	R	MS	R	R	R	-	
17	PBW621-50 (C)	MS	R	MS	R	R	R	R	R	R	R	R	R	-	
18	HD2967 (C)	MS	S	S	R	S	R	R	R	R	R	R	R	R	Yr2+
19	HD3043	R	R	R	R	R	R	R	R	R	R	R	R	R	R
20	HD3059 (C)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
21	HD3086 (C)	MS	MX	S	R	MS	MR	R	R	R	R	R	R	MR	Yr2+
22	PBW1644 (C)	S	R	MS	R	MS	R	R	R	R	R	R	R	MX	Yr2+
23	PDW233 (C)	S	MS	S	R	MS	MS	MS	S	R	R	MX	R	-	
24	PDW291 (C)	S	S	S	MS	S	S	R	S	R	R	S		-	
25	PDW314 (C)	S	MS	MX	MS	S	S	R	MS	R	R	R	R	R	Yr2+
26	WH1021 (C)	MS	R	S	R	R	R	R	R	R	R	R	R	R	Yr9+
27	WH1080 (C)	MS	S	MS	MX	S	S	R	S	R	R	R	R	R	Yr2+

S. No.	VARIETY	PATHOTYPES												Gene postulation
		78 S 84	P	46 S 119	K	T	I	38A	L	14A	20A	N	A	
		1	2	3	4	5	6	7	8	9	10	11	12	
28	WH1105 (C)	MS	R	MS	R	MS	R	R	R	R	R	R	R	Yr2+
29	WH1124 (C)	MS	R	S	MS	S	R	MX	R	R	R	R	R	Yr2+
30	WH1142 (C)	MS	R	S	R	R	R	R	R	R	R	R	R	Yr9+
North Eastern Plain Zone														
31	C306 (C)	R	S	R	R	MS	R	R	R	R	R	R	R	Yr18+
32	HD2888 (C)	S	S	S	R	S	R	R	R	R	R	R	R	Yr2+
33	K8027 (C)	MS	MS	S	R	MS	R	MX	R	R	R	MX	R	Yr2+
Central Zone														
34	HD47278 (D)	MS	R	MS	R	MS	R	R	R	R	R	R	R	Yr2+
35	HD4730 (D)	S	R	S	R	MX	R	R	R	R	R	R	R	-
36	GW322 (C)	S	S	S	MS	S	S	S	R	R	R	R	MX	-
37	HD2864 (C)	S	MS	S	MS	R	R	R	R	R	R	R	R	Yr2+
38	HD2932 (C)	S	S	S	MS	S	R	R	MS	R	R	R	MS	-
39	HI1544 (C)	MS	MS	R	R	MS	R	S	MX	R	R	MX	MX	Yr2+
40	HI8498 (D) (C)	MS	MS	R	S	S	MX	S	S	R	R	R	S	Yr2+
41	HI8737 (D) (C)	S	MS	MS	MS	MX	S	S	S	R	R	R	S	Yr2+
42	MP3336 (C)	MX	MS	S	MR	MS	R	S	MS	R	R	R	MS	Yr2+
43	MP4010 (C)	S	S	S	R	R	R	R	R	R	R	MS	R	Yr2+
44	MPO1215 (D) (C)	S	S	R	R	R	MX	-	MX	R	R	-	S	-
Peninsular Zone														
45	MACS392 7(D)	R	R	R	R	R	R	R	R	R	R	R	R	R
46	NAW2030	S	S	S	R	S	R	R	R	R	R	R	R	Yr2+
47	AKDW2997-16 (D) (C)	S	S	MR	MS	S	R	S	MX	R	R	MS	R	-
48	DBW93 (I) (C)	S	R	MS	R	R	R	R	R	R	R	R	R	Yr9+
49	MACS6222 (C)	S	R	S	R	R	R	R	R	R	R	R	R	Yr9+27+
50	MACS6478 (C)	MS	MS	MS	R	MS	R	R	R	R	R	R	R	Yr2+
51	NI5439 (C)	S	S	MX	R	S	R	R	R	R	R	S	R	Yr2+18+
52	NIAW1415(C)	MS	R	S	R	R	R	R	R	R	R	R	R	Yr9+
53	UAS347 (I) (C)	S	S	S	R	S	R	R	R	R	R	MX	S	Yr2+
54	UAS428 (D) (C)	MS	R	S	S	S	R	R	S	R	R	S	R	-

