

Annexure 1: Seedling Resistance Test of AVT II against pathotypes of brown rust (*Puccinia triticina*) at Shimla during 2014-2015

S. No.	VARIETY	PATHOTYPES																										Gene postulation			
		11	12	12-2	12-3	12-5	12-7	12-9	16-1	77	77-1	77-2	77-5	77-7	77-8	77-9	77-10	77-12	77A-1	104-2	104-3	104-4	104B	106	107-1	108-1	162-1		162-3	162A	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		27	28	
Northern Hills Zone																															
1	HS562	R	R	S	R	R	S	R	R	R	R	S	S	S	R	R	S	R	R	S	S	R	R	R	R	R	R	R	R	Lr23+	
2	HPW251 (C)	R	R	R	R	R	S	R	R	R	R	R	S	S	R	S	S	S	R	R	R	R	R	R	R	R	R	R	R	Lr23+26+	
3	HPW349 (C)	R	R	R	R	MS	S	R	R	R	R	R	S	S	R	R	S	R	R	S	MS	R	S	R	R	R	R	R	R	Lr10+13+	
4	HS375 (C)	R	R	R	R	R	R	R	R	R	S	R	MS	S	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	Lr1+26+34+	
5	HS490 (C)	R	R	R	R	S	S	S	R	R	R	S	R	R	S	S	S	R	R	S	S	S	R	R	R	S	R	R	R	Lr23+	
6	HS507 (C)	R	R	R	R	R	R	R	R	R	R	R	S	R	S	R	R	R	R	R	R	S	R	R	R	R	R	R	R	Lr1+26++	
7	HS542 (C)	R	R	S	R	R	R	MS	R	R	S	R	M	MS	R	R	S	-	-	S	R	R	S	R	R	R	R	R	R	Lr10+13+	
8	VL804 (C)	R	R	R	R	R	MS	S	R	R	R	R	S	S	R	S	S	R	R	S	S	R	R	R	R	R	R	R	R	Lr26+34+	
9	VL829 (C)	R	R	R	R	R	R	S	R	R	R	R	S	S	R	R	S	R	R	S	S	R	R	R	R	R	R	R	R	Lr26+34+	
10	VL892 (C)	R	MS	R	R	R	R	S	R	R	R	MS	R	S	R	S	S	R	R	S	R	MS	R	R	R	R	R	R	R	Lr10+13+	
11	VL907 (C)	R	R	R	R	R	MS	R	R	R	R	R	R	R	R	R	MS	R	R	R	R	MS	S	R	R	R	R	R	R	Lr26+	
North Western Plain Zone																															
12	HD4730	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
13	MP1277	R	R	S	R	R	S	S	R	S	R	S	R	S	R	R	S	S	R	S	S	S	S	R	R	R	R	R	R	R	Lr13+
14	WH1164	R	R	R	R	R	MX	R	R	R	S	S	M	S	MS	R	S	R	R	S	R	S	S	R	R	-	R	R	R	Lr10+13+	
15	DBW88 (C)	R	R	R	R	R	R	S	R	R	S	S	S	R	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	Lr3+10+13+
16	DBW90 (C)	R	R	S	R	R	S	S	R	R	S	S	S	S	R	R	S	MS	R	S	S	R	R	R	R	R	R	R	R	S	Lr3+10+13+
17	PBW621-50 (C)	R	R	R	R	R	S	S	R	R	S	S	R	S	S	R	S	M	R	R	R	R	R	R	R	R	R	R	R	R	Lr10+13+
18	HD2967 (C)	R	R	R	R	R	R	S	R	R	-	R	S	R	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	Lr23+
19	HD3043	R	R	R	R	R	R	S	R	R	S	R	S	S	R	S	S	R	R	S	S	S	R	R	R	R	R	R	R	R	Lr23+
20	HD3059 (C)	R	R	R	R	R	R	R	R	R	MS	R	MS	S	S	S	S	R	R	R	R	R	R	R	R	R	R	S	R	R	Lr13+*
21	HD3086 (C)	R	R	S	R	R	S	S	R	R	S	S	S	S	R	M	S	S	R	S	S	S	S	R	R	R	R	R	R	S	Lr3+10+13+
22	PBW 644 (C)	R	R	R	R	R	R	R	R	R	R	S	MS	S	R	R	S	R	R	S	S	S	R	R	R	MS	R	R	R	R	Lr1+13+
23	PDW233 (C)	R	R	R	R	S	S	R	S	R	MS	R	S	R	R	S	R	S	R	S	S	S	MS	R	R	R	R	R	R	R	Lr23+
24	PDW291 (C)	-	R	R	R	R	R	R	S	R	R	MS	R	R	R	R	R	R	R	R	R	R	M	R	-	R	R	R	R	R	Lr23+
25	PDW314 (C)	R	R	R	R	R	S	R	R	R	R	R	S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Lr23+
26	WH1021 (C)	R	R	R	R	R	R	R	R	R	S	R	MS	S	R	R	M	R	R	R	R	S	R	R	R	R	R	R	R	R	Lr1+26+
27	WH1080 (C)	R	MS	S	R	S	S	R	R	R	S	S	S	S	R	S	S	S	S	S	S	S	R	R	R	R	R	R	R	S	Lr13+
28	WH1105 (C)	R	R	R	R	R	R	S	R	R	MS	R	R	S	R	R	S	S	S	R	R	R	R	R	R	R	R	R	R	R	Lr13+
29	WH1124 (C)	R	R	S	R	R	R	S	R	R	S	S	S	S	R	S	S	S	R	S	S	R	S	R	R	R	R	R	R	S	Lr10+13+

