

Annexure 1. Seedling Resistance Test of AVT-II against pathotypes of brown rust (*Puccinia triticina*) at Shimla during 2015-16

S. N. O.	Variety/Line	PATHOTYPES																								Postulated genes			
		11	12	12-2	12-3	12-5	12-7	12-8	77	77-1	77-2	77-5	77-7	77-8	77-9	77-10	77-12	77A-1	104-2	104-3	104B	106	104-4	107-1	108-1		162	162-2	162A
I - Northern Hill Zone																													
1	HPW251(C)	R	R	R	R	S	R	R	R	M S	R	S	S	R	S	R	R	R	M R	R	R	R	R	R	R	M S	R	R	Lr26+23+
2	HS375(C)	R	R	R	R	R	R	R	R	S	R	S	S	R	R	M R	R	R	R	R	R	R	R	R	R	R	R	R	Lr26+34+
3	HS490(C)	R	R	S	R	S	R	R	R	R	R	M R	S	R	M S	M S	R	R	M R	S	R	R	R	R	R	S	R	R	Lr23+
4	HS507(C)	R	R	R	R	R	R	R	R	S	S	S	S	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Lr26+1+
5	HS542(C)	R	R	R	R	S	R	S	S	S	R	S	S	R	S	S	M X	S	R	R	R	R	S	R	R	M S	S	R	Lr13+10+
6	VL829(C)	R	R	R	R	S	S	R	R	R	S	M S	S	S	M X	R	R	R	R	S	R	R	R	R	R	R	R	R	Lr26+34+
7	VL892(C)	R	R	S	R	R	S	R	R	R	M S	S	S	R	S	M S	R	R	M S	M S	R	R	R	R	R	S	R	R	Lr13+10+
II. North Western Plain Zone																													
8	DBW88(C)	R	R	R	S	R	R	S	R	S	S	S	S	M S	S	S	R	R	R	R	R	R	R	R	R	S	S	R	Lr13+10+ 3+
9	DBW90(C)	R	R	R	R	R	S	R	R	S	R	S	S	M R	S	S	R	R	S	S	M S	R	R	R	R	S	S	S	Lr13+10+ 3+
10	HD3043(C)	R	R	R	R	R	S	R	R	R	R	S	S	R	S	M S	M X	R	S	S	R	R	M S	R	R	R	S	R	Lr23+
11	HD2967(C)	R	R	M S	R	M S	S	R	R	R	R	S	R	R	S	M S	R	R	R	R	R	R	R	R	R	R	R	R	Lr23+
12	HD3059(C)	R	R	R	R	R	S	S	R	S	S	S	S	R	S	S	R	R	R	R	M S	R	R	R	R	R	S	R	Lr13+
13	HD3086(C)	R	R	R	R	R	S	R	M S	S	S	S	S	R	S	S	R	R	S	S	S	R	S	R	R	S	S	S	Lr13+10+ 3+
14	PBW644(C)	R	R	R	R	R	R	R	R	S	S	S	S	R	S	S	S	R	S	S	M S	R	M S	R	M S	R	R	R	Lr13+
15	WH1021(C)	R	R	R	R	R	R	R	R	S	R	S	S	R	M R	S	R	R	R	R	R	R	R	R	R	R	R	R	Lr26+
16	WH1080(C)	R	R	R	R	S	S	S	R	S	S	S	S	R	S	S	R	S	S	S	S	R	S	R	R	S	S	S	Lr13+
17	WH1105(C)	R	R	R	R	S	R	R	S	S	S	S	S	R	S	S	R	S	R	R	R	R	R	M	R	R	M S	R	Lr13+
18	WH1124(C)	R	R	S	R	R	S	R	R	S	S	S	S	R	S	S	R	R	S	S	S	R	R	R	R	R	S	S	Lr13+10+
19	WH1142(I)(C)	R	R	R	R	R	S	R	R	S	R	S	S	R	M S	R	S	R	S	S	M S	R	M S	R	R	S	R	R	Lr26+23+
III. North Eastern Plain Zone																													

