

Figure 1: Dendrogram using SSR and STS markers showing diversity among final year AVT Bread Wheat (*T. aestivum*) and check varieties

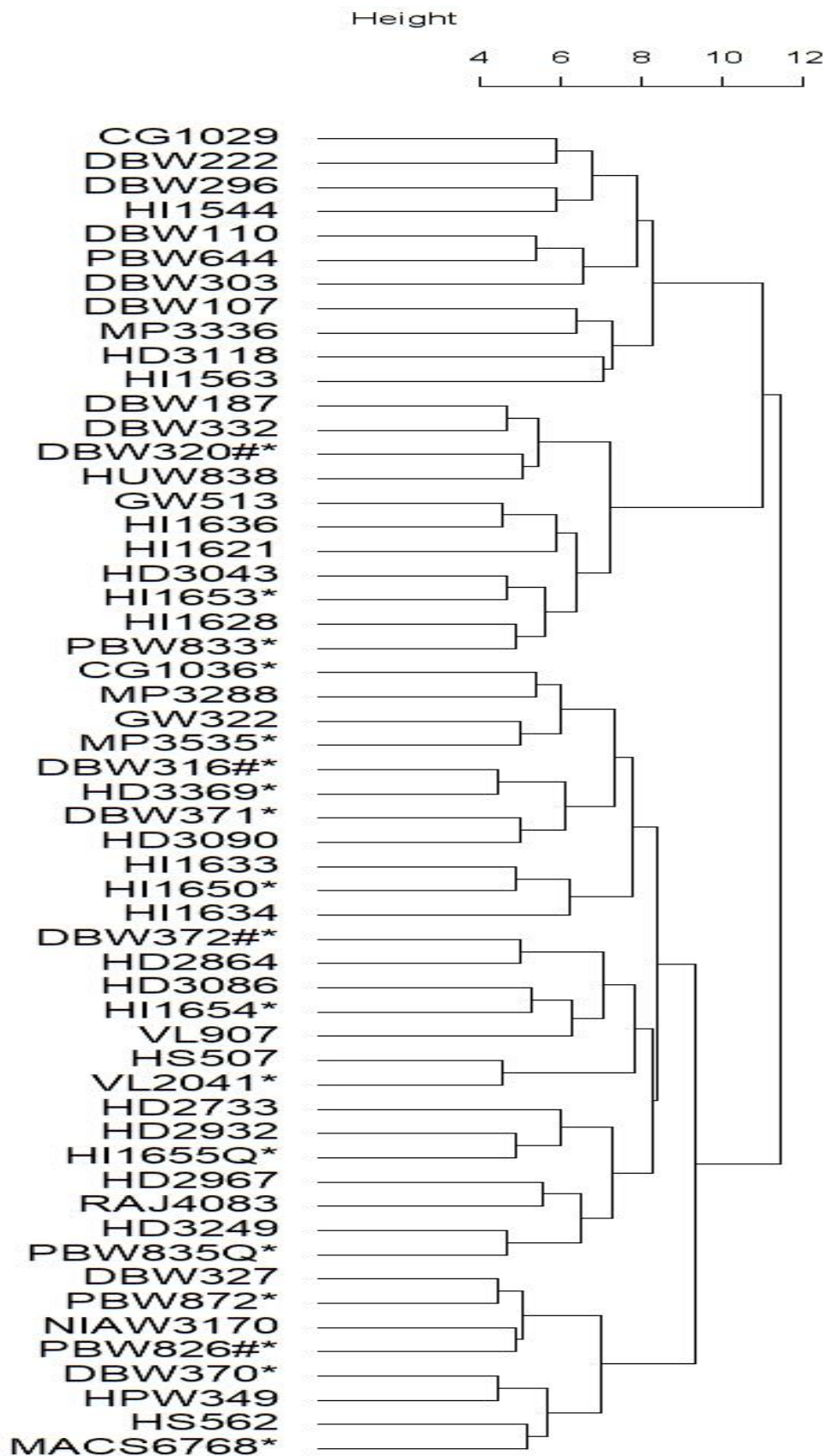


Table 1. Profile of the AVT final year of bread wheat (*Triticum aestivum*) entries and checks using STS/AS-PCR markers

Genotypes		WxB1		DREB	Vp1B3		Lr10	Lr34		Ppd-D1		VrnA1A	VrnA1bR2	DuPW004		Almt		
		425	690	700	569	652	300	150	230	228	414	965	1068	250	350	426	706	836
1	CG1029	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	+	+
2	CG1036*	+	+	+	-	+	+	-	+	+	-	+	+	-	+	-	-	-
3	DBW107	+	+	+	+	-	-	-	-	+	-	+	+	+	+	-	-	+
4	DBW110	+	+	+	+	-	-	+	+	+	-	-	-	-	+	+	+	-
5	DBW187	+	+	+	+	-	+	-	+	+	-	+	-	+	-	+	-	-
6	DBW222	-	+	-	+	-	-	-	+	+	-	+	-	-	+	+	+	-
7	DBW296	+	+	+	+	-	-	-	+	+	-	+	-	+	+	+	-	-
8	DBW303	+	+	+	-	+	-	-	+	+	-	-	-	+	-	-	+	-
9	DBW316#*	+	+	+	+	-	-	-	+	+	-	+	-	+	+	+	-	-
10	DBW320#*	+	+	+	+	-	+	-	+	-	-	+	-	+	+	+	-	-
11	DBW327	+	+	+	+	-	-	-	+	+	-	-	-	+	+	+	+	+
12	DBW332	+	+	+	+	-	-	-	+	+	-	-	+	+	-	+	-	-
13	DBW370*	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	-	-
14	DBW371*	+	+	+	+	-	-	-	+	+	-	+	-	+	-	+	-	+
15	DBW372#*	+	+	+	+	-	+	-	+	-	+	-	-	-	-	-	-	-
16	GW322	+	+	+	+	-	-	-	+	+	-	+	-	+	+	+	-	-
17	GW513	-	-	+	+	-	-	-	+	+	-	-	-	-	+	+	-	-
18	HD2733	+	+	-	-	+	-	-	+	+	-	+	+	-	+	+	-	-
19	HD2864	+	+	+	+	-	+	-	+	-	+	+	-	+	-	+	-	-
20	HD2932	+	+	+	+	-	-	-	+	-	-	-	-	-	+	+	-	-
21	HD2967	+	+	+	-	+	+	+	-	+	-	+	+	+	+	+	-	+
22	HD3043	+	+	+	+	-	-	-	+	+	-	+	+	+	+	+	-	-
23	HD3086	+	+	+	+	-	+	-	+	+	-	+	-	-	+	+	-	-
24	HD3090	+	+	+	+	-	-	-	+	+	-	+	-	+	-	+	-	+
25	HD3118	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	HD3249	+	+	+	-	-	-	-	+	-	-	+	-	+	-	+	-	-
27	HD3369*	+	+	+	+	-	+	-	+	+	-	+	-	+	+	+	-	-
28	HI1544	+	+	+	+	-	-	-	+	+	-	+	-	-	-	+	-	-
29	HI1563	+	+	+	-	+	-	+	-	+	-	-	-	+	+	+	-	-
30	HI1621	+	+	+	+	-	+	-	+	+	-	+	-	+	+	+	+	-
31	HI1628	+	-	+	+	-	-	-	-	+	-	+	-	-	-	+	-	-
32	HI1633	+	+	+	+	-	+	+	-	+	-	-	-	-	+	+	-	+
33	HI1634	+	+	+	-	+	-	+	-	+	-	-	-	-	+	+	+	-
34	HI1636	+	+	+	+	-	-	-	+	+	-	-	+	-	+	+	-	-
35	HI1650*	+	+	+	+	-	+	+	-	-	-	-	-	-	+	+	+	-
36	HI1653*	+	+	+	+	-	-	-	+	+	-	+	-	+	-	+	-	-
37	HI1654*	+	+	+	+	-	+	-	+	+	-	+	-	-	+	+	-	-
38	HI1655Q*	+	+	+	-	+	+	-	-	+	-	+	-	-	-	+	-	-

Genotypes		WxB1		DREB	Vp1B3		Lr10	Lr34		Ppd-D1		VrnA1A	VrnA1bR2	DuPW004		Almt		
		425	690	700	569	652	300	150	230	228	414	965	1068	250	350	426	706	836
39	HPW349	+	+	+	+	-	+	+	+	+	-	+	-	-	+	+	-	+
40	HS507	-	-	+	+	-	-	-	+	+	+	+	-	+	-	-	-	-
41	HS562	-	-	-	-	+	+	-	+	+	-	+	-	-	+	+	-	-
42	HUW838	+	+	+	+	-	-	-	+	+	-	+	+	+	-	+	+	+
43	MACS6768*	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	-	-
44	MP3288	+	+	+	-	-	+	-	+	+	-	+	+	+	+	+	-	-
45	MP3336	+	+	+	+	-	-	-	-	+	-	-	+	+	-	+	-	+
46	MP3535*	+	+	+	+	-	+	-	+	+	-	-	-	-	+	+	-	-
47	NIAW3170	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	+	+
48	PBW644	-	-	+	+	-	-	+	-	+	-	-	-	-	-	+	-	-
49	PBW826#*	+	+	+	+	-	+	-	+	-	-	+	-	+	+	-	+	-
50	PBW833*	+	+	+	-	-	-	-	-	+	-	+	-	+	-	+	-	-
51	PBW835Q*	+	+	+	-	-	-	-	-	+	-	-	-	-	-	+	-	+
52	PBW872*	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	-	+
53	RAJ4083	+	+	+	-	+	-	+	-	-	-	-	-	-	-	+	-	-
54	VL2041*	+	+	+	-	+	-	-	+	-	+	-	-	+	-	-	-	-
55	VL907	+	+	+	-	+	+	+	-	+	-	+	-	-	+	-	-	-

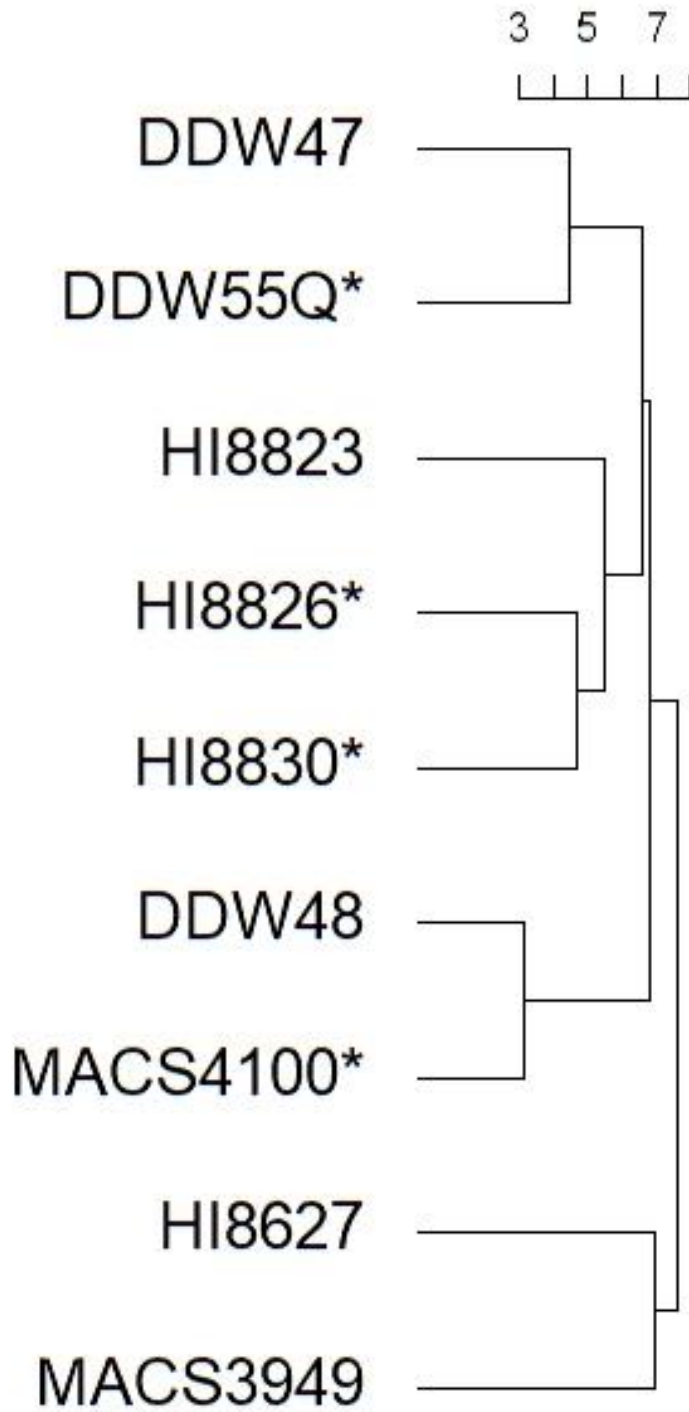


Figure 2: Dendrogram using SSR and STS markers showing diversity among final year AVT durum wheat lines and check varieties

Table 2. Profile of the AVT final year of durum wheat (*Triticum durum*) entries and checks using STS/AS-PCR markers

Genotypes		<i>WxB1</i>		<i>DREB</i>	<i>Vp1B3</i>		<i>Lr10</i>	<i>Lr34</i>		<i>VrnA1A</i>	<i>VrnA1bR2</i>	<i>DuPW004</i>		<i>Almt</i>		
		425	690	700	569	652	300	150	230	965	1068	250	350	426	706	836
1	DDW47	-	+	+	+	-	-	-	-	-	-	+	+	+	-	-
2	DDW48	+	+	+	+	-	-	-	+	+	-	+	-	+	+	+
3	DDW55Q*	+	+	+	+	-	-	-	-	+	-	+	-	-	-	-
4	HI8627	+	-	+	+	-	-	-	-	+	-	+	-	+	-	-
5	HI8823	+	+	+	+	-	+	-	+	-	+	+	-	+	-	-
6	HI8826(d)*	+	+	+	+	-	-	-	+	+	-	+	-	+	-	+
7	HI8830(d)*	+	+	+	+	-	-	-	-	+	-	+	-	+	-	-
8	MACS3949	+	+	+	+	-	-	-	+	-	-	-	+	+	-	+
9	MACS4100*	+	+	+	+	-	-	-	-	+	-	+	-	+	-	+

Figure 3: Dendrogram using SSR and STS markers showing diversity among AVT entries and check varieties of MABB Trials

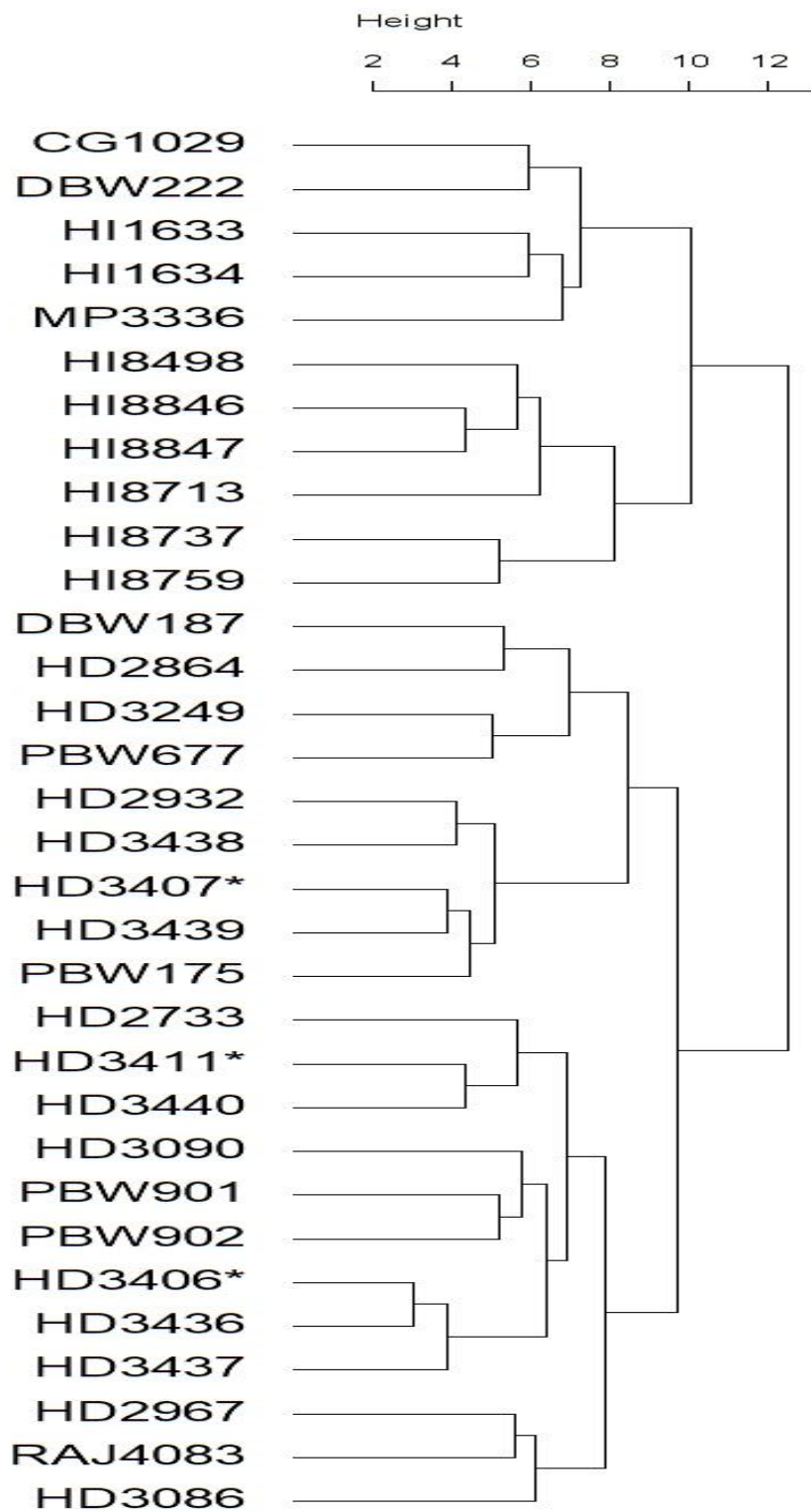


Table 3. Profile of the AVT final year of MABB trial entries and checks using STS/AS-PCR markers

Genotypes		WxB1		DREB	Vp1B3		Lr10	Lr34		Ppd-D1		VrnA1A	VrnA1bR2	DuPW004		Almt		
		425	690	700	569	652	300	150	230	228	414	965	1068	250	350	426	706	836
1	CG1029	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	+	+
2	DBW187	+	+	+	+	-	+	-	+	+	-	+	-	+	-	+	-	-
3	DBW222	-	+	-	+	-	-	-	+	+	-	+	-	-	+	+	+	-
4	HD2733	+	+	-	-	+	-	-	+	+	-	+	+	-	+	+	-	-
5	HD2864	+	+	+	+	-	+	-	+	-	+	+	-	+	-	+	-	-
6	HD2932	+	+	+	+	-	-	-	+	-	-	-	-	-	+	+	-	-
7	HD2967	+	+	+	-	+	+	+	-	+	-	+	+	+	+	+	-	+
8	HD3086	+	+	+	+	-	+	-	+	+	-	+	-	-	+	+	-	-
9	HD3090	+	+	+	+	-	-	-	+	+	-	+	-	+	-	+	-	+
10	HD3249	+	+	+	-	-	-	-	+	-	-	+	-	+	-	+	-	-
11	HD3406*	+	+	+	-	-	+	-	+	-	-	+	-	+	+	+	-	-
12	HD3407*	+	+	+	+	+	+	-	+	+	-	+	-	+	+	+	-	-
13	HD3411*	+	+	+	+	-	-	-	+	+	-	+	+	+	-	+	-	-
14	HD3436	+	+	+	-	+	+	+	+	-	-	+	-	+	+	+	-	-
15	HD3437	+	+	+	-	+	+	+	-	+	-	+	+	+	+	+	-	+
16	HD3438	+	+	+	+	-	+	-	+	+	-	-	-	+	+	+	-	-
17	HD3439	+	+	+	+	-	-	-	+	+	-	-	-	-	+	+	-	-
18	HD3440	+	+	+	+	+	-	+	-	+	-	+	-	-	+	+	-	-
19	HI1633	+	+	+	+	-	+	+	-	+	-	-	-	-	+	+	-	+
20	HI1634	+	+	+	-	+	-	+	-	+	-	-	-	-	+	+	+	-
21	HI8498	+	+	+	+	-	-	-	-	-	-	+	+	+	-	+	+	+
22	HI8713	+	+	+	+	-	-	-	-	-	-	-	+	+	-	+	-	-
23	HI8737	+	-	+	-	+	-	-	-	-	-	+	-	+	-	-	-	-
24	HI8759	+	-	-	-	+	-	-	-	-	-	+	-	+	-	-	-	-
25	HI8846	+	+	+	+	-	-	-	-	-	-	+	+	+	-	-	-	-
26	HI8847	+	+	+	+	-	-	-	-	-	-	+	-	+	-	-	-	-
27	MP3336	+	+	+	+	-	-	-	-	+	-	-	+	+	-	+	-	+
28	PBW175	+	+	+	+	-	-	-	+	+	-	+	-	-	+	+	-	-
29	PBW677	+	+	+	+	-	+	-	+	+	-	+	-	-	+	+	-	-
30	PBW901	+	+	+	+	-	+	-	+	+	-	+	-	+	+	+	-	-
31	PBW902	+	+	+	+	-	+	-	+	+	-	+	+	+	+	+	-	-
32	RAJ4083	+	+	+	-	+	-	+	-	-	-	-	-	-	-	+	-	-