

2010

Soft Red Winter Wheat Cooperative Nurseries

**5-State Advanced & Preliminary
Mason-Dixon
Gulf Atlantic Wheat Nursery**

Marker Reports Addendum for PHS

Eastern Regional Small Grains Genotyping Lab

Collaborator: Gina Brown-Guedira

USDA-ARS

Pre-harvest Sprouting

2010

Nusery	Entry	Sample Name	barc55	barc55	PHS Cayuga
5-St Adv	1	MO080864	124		no
5-St Adv	2	MO081320	124		no
5-St Adv	3	MO081378	124		no
5-St Adv	4	MO081652	124	128	no
5-St Adv	5	Bess	124		no
5-St Adv	6	IL06-7034	128		no
5-St Adv	7	IL06-13072	132		yes
5-St Adv	8	IL06-13721	132		yes
5-St Adv	9	IL06-14262	124	132	het?
5-St Adv	10	IL00-8530	124		no
5-St Adv	11	0175A1-31-4-3	124	132	het?
5-St Adv	12	053A1-2-5-3	132		yes
5-St Adv	13	0527A1-9-9-4	128	132	het?
5-St Adv	14	0570A1-2-39-5	nd		nd
5-St Adv	15	05219A1-9-2	nd		nd
5-St Adv	16	OH06-180-57	132		yes
5-St Adv	17	OH06-190-29	132		yes
5-St Adv	18	OH06-197-61	128	132	het?
5-St Adv	19	OH05-101-1	132		yes
5-St Adv	20	Malabar	132		yes
5-St Adv	21	KY02C-1058-02	132		yes
5-St Adv	22	KY02C-1114-03	132		yes
5-St Adv	23	KY03C-1192-40	132		yes
5-St Adv	24	KY03C-1136-07	132		yes
5-St Adv	25	Pembroke	132		yes
5-St Pre	1	MO080103	128		no
5-St Pre	2	MO080422	124		no
5-St Pre	3	MO081535	124		no
5-St Pre	4	MO081699	124	128	no
5-St Pre	5	Bess	124		no
5-St Pre	6	IL06-7550	124		no
5-St Pre	7	IL06-25634	132		yes
5-St Pre	8	IL06-23571	132		yes
5-St Pre	9	IL06-31053	132		yes
5-St Pre	10	IL00-8530	nd		nd
5-St Pre	11	058RA1-5-6-1	136		no
5-St Pre	12	059A1-2-6-4	nd		nd
5-St Pre	13	0527A1-9-9-2	132		yes
5-St Pre	14	0570A1-2-58	132		yes
5-St Pre	15	05219A1-9-10	128	132	het?
5-St Pre	16	OH06-228-73	132		yes
5-St Pre	17	OH06-158-50	128		no
5-St Pre	18	OH06-159-6	nd		nd
5-St Pre	19	OH06-95-15	128		no
5-St Pre	20	Malabar	132		yes
5-St Pre	21	KY02C-2219-04	132		yes
5-St Pre	22	KY02C-1004-32	128	132	het?
5-St Pre	23	KY03C-1192-18	132		yes
5-St Pre	24	KY03C-1237-39	132		yes
5-St Pre	25	Pembroke	132		yes

Pre-harvest Sprouting

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Nusery	Entry	Sample Name	barc55	barc55	PHS Cayuga	Nusery	Entry	Sample Name	barc55	PHS Cayuga
Mason-Dixon	1	Pioneer25R47	132		yes	Mason-Dixon	41	MD02W17-08-3	132	yes
Mason-Dixon	2	Branson	132		yes	Mason-Dixon	42	MD02W17-08-6	132	yes
Mason-Dixon	3	Pioneer25R15	132		yes	Mason-Dixon	43	VA06W-412	132	yes
Mason-Dixon	4	Tribute	132		yes	Mason-Dixon	44	VA07W-138	128	no
Mason-Dixon	5	KY02C-1058-02	132		yes	Mason-Dixon	45	VA06W-558	132	yes
Mason-Dixon	6	KY02C-1114-03	132		yes	Mason-Dixon	46	VA05W-70	128	no
Mason-Dixon	7	KY03C-1192-40	128	132	het?	Mason-Dixon	47	VA06W-44	132	yes
Mason-Dixon	8	KY03C-1136-07	132		yes	Mason-Dixon	48	VA06W-146	124	no
Mason-Dixon	9	KY03C-1192-09	132		yes	Mason-Dixon	49	VA08W-92	132	yes
Mason-Dixon	10	KY03C-1237-33	128		no	Mason-Dixon	50	VA08W-165	132	yes
Mason-Dixon	11	KY02C-2219-04	132		yes	Mason-Dixon	51	VA08W-176	132	yes
Mason-Dixon	12	KY02C-1004-32	128		no	Mason-Dixon	52	VA08W-193	132	yes
Mason-Dixon	13	KY03C-1192-18	132		yes	Mason-Dixon	53	VA08W-196	128	no
Mason-Dixon	14	KY03C-1136-11	128	132	het?	Mason-Dixon	54	VA08W-223	132	yes
Mason-Dixon	15	KY03C-1136-12	128		no	Mason-Dixon	55	VA08W-232	132	yes
Mason-Dixon	16	KY02C-1002-06	nd		nd	Mason-Dixon	56	VA08W-286	132	yes
Mason-Dixon	17	KY02C-2200-03	128		no	Mason-Dixon	57	VA08W-294	132	yes
Mason-Dixon	18	KY03C-1136-15	128		no	Mason-Dixon	58	VA08W-295	132	yes
Mason-Dixon	19	KY03C-1237-32	128		no	Mason-Dixon	59	VA07W-569	132	yes
Mason-Dixon	20	KY02C-2200-15	nd		nd	Mason-Dixon	60	VA07W-594	nd	nd
Mason-Dixon	21	KY03C-1237-39	128	132	het?	Mason-Dixon	61	VA07W-601	132	yes
Mason-Dixon	22	KY02C-2200-04	128		no	Mason-Dixon	62	VA06W-612	132	yes
Mason-Dixon	23	MD03-69-15	124	132	het?	Mason-Dixon	63	ARS05-0277	nd	nd
Mason-Dixon	24	MD03W91-09-2	124		no	Mason-Dixon	64	ARS05-0282	nd	nd
Mason-Dixon	25	MD03W91-09-6	124		no	Mason-Dixon	65	ARS05-0286	nd	nd
Mason-Dixon	26	MD03W91-09-8	124		no	Mason-Dixon	66	ARS05-0426	124	no
Mason-Dixon	27	MD03W59-09-9	132		yes	Mason-Dixon	67	ARS05-0443	124	no
Mason-Dixon	28	MD03W-09-1	nd		nd	Mason-Dixon	68	ARS05-0444	124	no
Mason-Dixon	29	MD03W61-09-2	128		no	Mason-Dixon	69	ARS07-0095	132	yes
Mason-Dixon	30	MD03W61-09-7	128		no	Mason-Dixon	70	ARS07-0203	nd	nd
Mason-Dixon	31	MD03W61-09-11	124		no	Mason-Dixon	71	ARS07-0211	nd	nd
Mason-Dixon	32	MD03W61-09-12	124		no	Mason-Dixon	72	ARS07-0221	nd	nd
Mason-Dixon	33	MD03W61-09-16	128		no	Mason-Dixon	73	ARS07-0245	132	yes
Mason-Dixon	34	MD03W62-09-1	132		yes	Mason-Dixon	74	ARS07-0250	132	yes
Mason-Dixon	35	MD03W62-09-6	128		no	Mason-Dixon	75	ARS07-0331	124	no
Mason-Dixon	36	MD03W665-09-1	nd		nd	Mason-Dixon	76	ARS07-0386	nd	nd
Mason-Dixon	37	MD03W665-09-2	128		no	Mason-Dixon	77	ARS07-0407	nd	nd
Mason-Dixon	38	MD03W665-09-6	128		no	Mason-Dixon	78	ARS07-0543	124	no
Mason-Dixon	39	MD02W135-09-2	132		yes	Mason-Dixon	79	ARS07-0607	nd	nd
Mason-Dixon	40	MD02W135-08-10	132		yes	Mason-Dixon	80	ARS07-0723	nd	nd
						Mason-Dixon	81	ARS07-0740	nd	nd
						Mason-Dixon	82	ARS07-1226	nd	nd

"nd" = not determined or lack of amplification

If marker is dominant, samples with no amplification are left blank

"?" indicates that markers may not be diagnostic or data was not clear; therefore, can not be sure if gene is present or not

All number are size in base pairs of amplified fragments

Target alleles are in **bold or italics**

Pre-harvest Sprouting

2010

Nusery	Entry	Sample Name	barc55	barc55	PHS	Cayuga	Nusery	Entry	Sample Name	barc55	PHS	Cayuga
GAWN	1001	LA02006E239	128		no		GAWN	1041	SCTX98-20-J10	124	no	
GAWN	1002	SCW010025G1	128		no		GAWN	1042	SCW010025G2	128	no	
GAWN	1003	LA04089D-P10	128		no		GAWN	1043	LA01059D-127-3-2	132	yes	
GAWN	1004	USG3555	nd		nd		GAWN	1044	VA08W-193	132	yes	
GAWN	1005	GA02178-9E25	132		yes		GAWN	1045	NC07-23880	nd	nd	
GAWN	1006	GA021087-9LE33	124		no		GAWN	1046	GA03060-9E29	128	no	
GAWN	1007	VA08W-196	128		no		GAWN	1047	NC06-20359	nd	nd	
GAWN	1008	SCW010025H1	128		no		GAWN	1048	VA08W-92	132	yes	
GAWN	1009	SCW010025K1	128		no		GAWN	1049	AR00090-1-1	132	yes	
GAWN	1010	SCTX98-27-J1	124	132	het?		GAWN	1050	NC06-22003	132	yes	
GAWN	1011	AR99016-1-2	124		no		GAWN	1051	SCW010025D1	128	no	
GAWN	1012	AR00134-3-4	124		no		GAWN	1052	NC07-20850	nd	nd	
GAWN	1013	VA08W-176	132		yes		GAWN	1053	FL03169D-58	132	yes	
GAWN	1014	VA08W-165	132		yes		GAWN	1054	LA02150E-35	132	yes	
GAWN	1015	NC07-24445	nd		nd		GAWN	1055	VA07W-415	124	no	
GAWN	1016	J1	128		no		GAWN	1056	LA02007E227	132	yes	
GAWN	1017	VA08W-286	132		yes		GAWN	1057	GA001142-9E24	132	yes	
GAWN	1018	NC07-21020	nd		nd		GAWN	1058	C	124	no	
GAWN	1019	AR00255-16-1	128		no		GAWN	1059	VA08W-294	132	yes	
GAWN	1020	NC07-21172	nd		nd		GAWN	1060	GA021338-9E15	132	yes	
GAWN	1021	SCW010025T1	128		no		GAWN	1061	SCW010025L1	128	no	
GAWN	1022	LA01069D-23-4-4	132		yes		GAWN	1062	LA02015E201	132	yes	
GAWN	1023	SS8641	124		no		GAWN	1063	NC07-24337	nd	nd	
GAWN	1024	AR99263-7-1	124		no		GAWN	1064	NC07-22432	nd	nd	
GAWN	1025	NC04-20417	132		yes		GAWN	1065	GA021338-9E4	132	yes	
GAWN	1026	AR00082-13-2	124	132	het?		GAWN	1066	GA02343-9LE5	128	no	
GAWN	1027	LA01139D-56-7-3	nd		nd		GAWN	1067	VA08W-232	132	yes	
GAWN	1028	VA06W-146	124		no		GAWN	1068	NC07-22517	nd	nd	
GAWN	1029	GA03564-9EE42	124		no		GAWN	1069	AR98097-4-1	nd	nd	
GAWN	1030	GA001142-9E23	132		yes		GAWN	1070	GA011446-9LE35	132	yes	
GAWN	1031	VA08W-295	132		yes		GAWN	1071	GA021245-9E16	132	yes	
GAWN	1032	AR99015-3-1	nd		nd		GAWN	1072	AR00036-5-1	124	no	
GAWN	1033	AR00196-10-1	124		no		GAWN	1073	SCLA01111C-J7	132	yes	
GAWN	1034	AR99160-4-1B	132		yes		GAWN	1074	NC07-25169	nd	nd	
GAWN	1035	AR00039-5-2	124	132	het?		GAWN	1075	SCTX98-27-J7	nd	nd	
GAWN	1036	LA95135	132		yes							
GAWN	1037	VA08W-223	132		yes							
GAWN	1038	AGS2060	nd		nd							
GAWN	1039	GA021338-9EE11	132		yes							
GAWN	1040	LA01034D-42-3-C	nd		nd							

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