

2011

Marker Reports for all Alleles

Eastern Regional Nurseries

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

Eastern Regional Small Grains Genotyping Lab

Collaborator: Gina Brown-Guedira

USDA-ARS

Notes

"nd" = not determined or lack of amplification

if marker is dominant, samples with no amplification are left blank or **

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

All numbers are size in base pairs of amplified fragments

Target alleles are in **bold or bold italics**

NT = marker Not Tested on those samples

Rht = dwarfing allele = yes

Ppd-D1a = photoperiod insensitive = yes

Texture for **pina_taqman =AlleleX= yes=hard**

Texture for **pinb D1a-b_taqman = AlleleY=D1a=soft; pinb D1a-d_taqman=BothAlleles=D1a=soft**

* pedigrees, contributors and other notes that were available, are at the far right side of the tables

2011 Soft Red Winter Wheat Cooperative Nurseries

ID	Year	Nursery	Entry	Sample Name	Pedigree	Contributor	Plant Source
A000574	2011	5-State Adv	1	MO 080103	L910097/MO 92-599, 030291 RS	McKendry	
A000575	2011	5-State Adv	2	MO 080864	981020//P92201D5-2/980725	McKendry	
A000576	2011	5-State Adv	3	MO 081652	Pioneer 2552/980829	McKendry	
A000577	2011	5-State Adv	4	MO 081699	Pioneer 2552/980829	McKendry	
A000578	2011	5-State Adv	5	Bess	W11769/Madison	McKendry	
A000579	2011	5-State Adv	6	IL06-13708	IL00-8530 / IL97-3632	McKendry	
A000580	2011	5-State Adv	7	IL06-13721	IL00-8530 / IL97-3632	McKendry	
A000581	2011	5-State Adv	8	IL06-23571	IL96-6472 / Pio25W33 // IL94-1653	McKendry	
A000582	2011	5-State Adv	9	IL06-31053	IL94-1909 / IL97-3578 // P93-5-4-2-6	McKendry	
A000583	2011	5-State Adv	10	IL00-8530	IL89-1687 // IL90-6364 / IL93-2489	McKendry	
A000584	2011	5-State Adv	11	0175A1-37-4-1	981419/97397	McKendry	
A000585	2011	5-State Adv	12	02444A1-23-1-3	97395/981129//INW0316	McKendry	
A000586	2011	5-State Adv	13	0570A1-2-39-5	INW0412/3/9017/92823//201R/97462	McKendry	
A000587	2011	5-State Adv	14	05247A1-7-7-3-1	98840*2/03726//99794	McKendry	
A000588	2011	5-State Adv	15	0722A1-1-7	INW0731/3/981129/99793//INW0301/92145	McKendry	
A000589	2011	5-State Adv	16	OH07-98-21	FOSTER / IL95-947	McKendry	
A000590	2011	5-State Adv	17	OH07-166-49	OH708 / OH684	McKendry	
A000591	2011	5-State Adv	18	OH07-166-41	OH708 / OH684	McKendry	
A000592	2011	5-State Adv	19	OH07-254-11	OH728 / VA97W-361WS	McKendry	
A000593	2011	5-State Adv	20	MALABAR		McKendry	
A000594	2011	5-State Adv	21	KY02C-1121-11	Declaration/Tribute	McKendry	
A000595	2011	5-State Adv	22	KY03C-1237-15	25R18/92C-0017-17//KY96C-0767-1	McKendry	
A000596	2011	5-State Adv	23	KY02C-1122-06	Declaration/25R44	McKendry	
A000597	2011	5-State Adv	24	KY03C-1192-37	KY93C-0876-66//KY96C-0059-21	McKendry	
A000598	2011	5-State Adv	25	Pembroke		McKendry	
A000599	2011	5-State Pre	1	MO 081559	980725/Sumai 3	McKendry	
A000600	2011	5-State Pre	2	MO 080589	KY 90C-383-18-1/IL 94-1653	McKendry	
A000601	2011	5-State Pre	3	MO 090574	L910097/MO 92-599, 030291 RS	McKendry	
A000602	2011	5-State Pre	4	MO 090821	980829//980725/IL 95-4162	McKendry	
A000603	2011	5-State Pre	5	Bess	W11769/Madison	McKendry	
A000604	2011	5-State Pre	6	IL06-14303	IL00-8530 / IL97-1828	McKendry	
A000605	2011	5-State Pre	7	IL06-14325	IL00-8530 / IL97-1828	McKendry	
A000606	2011	5-State Pre	8	IL07- 4415	P96169RE2-3-6-4 / IL01-34159	McKendry	
A000607	2011	5-State Pre	9	IL07- 24841	IL00-8530 / IL94-1653 // IL01-5642	McKendry	
A000608	2011	5-State Pre	10	IL00-8530	IL89-1687 // IL90-6364 / IL93-2489	McKendry	
A000609	2011	5-State Pre	11	03549A1-18-25	981358/97462/3/92145/981004X48//INW0301	McKendry	
A000610	2011	5-State Pre	12	0513A1-1-3	04607/04697	McKendry	
A000611	2011	5-State Pre	13	05264A1-1-3-2	INW0304*2/03727/5/96169/3/Tadinia/BH1146//Geneva/4//INW0316	McKendry	
A000612	2011	5-State Pre	14	05287A1-1-13	99840*2/03726//INW0412*2/03705	McKendry	
A000613	2011	5-State Pre	15	0762A1-2-8	981129/99793//INW0301/92145/3/981477/981312//INW0316	McKendry	
A000614	2011	5-State Pre	16	OH07-263-3	OH748 / BRAVO	McKendry	
A000615	2011	5-State Pre	17	OH08-133-25	HONEY / COKER 9663	McKendry	
A000616	2011	5-State Pre	18	OH08-149-11	SISSON / HOPEWELL	McKendry	

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ID	Year	Nursery	Entry	Sample Name	Pedigree	Contributor	Plant Source
A000617	2011	5-State Pre	19	OH08-180-48	DOUGLAS / MCCORMICK	McKendry	
A000618	2011	5-State Pre	20	BROMFIELD		McKendry	
A000619	2011	5-State Pre	21	KY03C-1221-22	25R18/McCormick//KY96C-0059-21	McKendry	
A000620	2011	5-State Pre	22	KY03C-2399-02	KY93C-1238-17-6/KY94C-0285-55-3	McKendry	
A000621	2011	5-State Pre	23	KY03C-1237-01	25R18/92C-0017-17//KY96C-0767-1	McKendry	
A000622	2011	5-State Pre	24	KY02C-1076-07	25R44//VA97W-24/2552	McKendry	
A000623	2011	5-State Pre	25	Pembroke		McKendry	
A000624	2011	Mason-Dixon	1	Shirley	Check	Griffey	VA
A000625	2011	Mason-Dixon	2	Branson	Check	Griffey	VA
A000626	2011	Mason-Dixon	3	Pioneer 26R15	Check	Griffey	VA
A000627	2011	Mason-Dixon	4	Tribute	Check	Griffey	VA
A000628	2011	Mason-Dixon	5	MD03W61-10-8	25R42/CHESAPEAKE	Griffey	MD
A000629	2011	Mason-Dixon	6	MD03W91-10-3	25R42/TRIBUTE	Griffey	MD
A000630	2011	Mason-Dixon	7	MD03W391-10-2WS	25R42//CK9474/B576(PI352040)	Griffey	MD
A000631	2011	Mason-Dixon	8	MD03W64-10-3	26R61/CHESAPEAKE	Griffey	MD
A000632	2011	Mason-Dixon	9	MD03W104-10-2	KY96C-0768-2/MCCORMICK	Griffey	MD
A000633	2011	Mason-Dixon	10	MD03W129-10-3	TRIBUTE/26R61	Griffey	MD
A000634	2011	Mason-Dixon	11	MD03W151-10-12	KY96C-0768-1/MCCORMICK	Griffey	MD
A000635	2011	Mason-Dixon	12	MD03W485-10-2	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000636	2011	Mason-Dixon	13	MD03W485-10-4	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000637	2011	Mason-Dixon	14	MD03W485-10-8	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000638	2011	Mason-Dixon	15	MD03W485-10-9	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000639	2011	Mason-Dixon	16	MD03W485-10-10	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000640	2011	Mason-Dixon	17	MD03W485-10-12	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000641	2011	Mason-Dixon	18	MD03W485-10-14	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000642	2011	Mason-Dixon	19	MD03W485-10-15	USG3209/TRIBUTE//MD71-5(USG3342"S")	Griffey	MD
A000643	2011	Mason-Dixon	20	MD03W665-10-1	USG3209/TRIBUTE//CHESAPEAKE	Griffey	MD
A000644	2011	Mason-Dixon	21	MD03W665-10-3	USG3209/TRIBUTE//CHESAPEAKE	Griffey	MD
A000645	2011	Mason-Dixon	22	MD03W665-10-4	USG3209/TRIBUTE//CHESAPEAKE	Griffey	MD
A000646	2011	Mason-Dixon	23	MD03W665-10-5	USG3209/TRIBUTE//CHESAPEAKE	Griffey	MD
A000647	2011	Mason-Dixon	24	MD01W270-10-3	VA98W769/USG3209	Griffey	MD
A000648	2011	Mason-Dixon	25	VA08W-92	RENWOOD 3260"S" / LA9070G45-3-3-1 // TRIBUTE	Griffey	VA
A000649	2011	Mason-Dixon	26	VA08W-193	AGS2000 / USG3706 (VA98W-706) // DOMINION (VA00W-526)	Griffey	VA
A000650	2011	Mason-Dixon	27	VA08W-295	SS 520 (VA96W-158) / VA99W-188 (VA91-54-343 / Roane"S") // TRIBUTE	Griffey	VA
A000651	2011	Mason-Dixon	28	VA08MAS-369	McCORMICK(VA98W-591)/ GA881130LE5	Griffey	VA
A000652	2011	Mason-Dixon	29	VA09W-45	GF921221E16 / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Griffey	VA
A000653	2011	Mason-Dixon	30	VA09W-46	GF921221E16 / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Griffey	VA
A000654	2011	Mason-Dixon	31	VA09W-52	GF921221E16 / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Griffey	VA
A000655	2011	Mason-Dixon	32	VA09W-67	VA99W-188 (VA91-54-343 / Roane"S") /TRIBUTE	Griffey	VA
A000656	2011	Mason-Dixon	33	VA09W-73	SS 520 (VA96W-158) / VA99W-188 (VA91-54-343 / Roane"S") // TRIBUTE	Griffey	VA
A000657	2011	Mason-Dixon	34	VA09W-75	SS 520 (VA96W-158) / VA99W-188 (VA91-54-343 / Roane"S") // TRIBUTE	Griffey	VA
A000658	2011	Mason-Dixon	35	VA09W-110	USG 3592 (GA931241E16) / VA01W-303 (GA8619-D25 / VA93-52-55 // PION2643)	Griffey	VA

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A000659	2011	Mason-Dixon	36	VA09W-112	USG 3592 (GA931241E16) / VA01W-303 (GA8619-D25 / VA93-52-55 // PION2643)	Griffey	VA
A000660	2011	Mason-Dixon	37	VA09W-188WS	PIONEER 25W60 // PION 25W33 / VAN98W-170WS (FFR555W/GORE//CK9803/VA87-54-636)	Griffey	VA
A000661	2011	Mason-Dixon	38	VA08W-630	OH 552 / SS550 (VA96W-247) // RC STRATEGY (VA98W-586)	Griffey	VA
A000662	2011	Mason-Dixon	39	VA08W-632	OH 552 / SS550 (VA96W-247) // RC STRATEGY (VA98W-586)	Griffey	VA
A000663	2011	Mason-Dixon	40	VA09W-623	NC96-13374 / Ceruga5 // McCormick"S"	Griffey	VA
A000664	2011	Mason-Dixon	41	VA09W-641	ERNIE/ NC96-13374 // McCORMICK	Griffey	VA
A000665	2011	Mason-Dixon	42	VA09W-656	NEUSE/ VA99W-200 (VA91-54-343 / Roane"S") // McCORMICK	Griffey	VA
A000666	2011	Mason-Dixon	43	VA09W-657	NEUSE/ VA99W-200 (VA91-54-343 / Roane"S") // McCORMICK	Griffey	VA
A000667	2011	Mason-Dixon	44	VA09W-659	NEUSE/ VA99W-200 (VA91-54-343 / Roane"S") // McCORMICK	Griffey	VA
A000668	2011	Mason-Dixon	45	KY04C-3051-4-2-1	25R23/SS 560	Griffey	KY
A000669	2011	Mason-Dixon	46	KY04C-1128-38-1-5	SX1411/NC98-26192//25R78	Griffey	KY
A000670	2011	Mason-Dixon	47	KY04C-3006-33-14-3	KY93C-0004-22-1 / Tribute	Griffey	KY
A000671	2011	Mason-Dixon	48	KY04C-2008-44-19-3	Roane/KY94C-0094-11-2	Griffey	KY
A000672	2011	Mason-Dixon	49	KY04C-2006-41-6-1	Roane/KY93C-1238-17-1	Griffey	KY
A000673	2011	Mason-Dixon	50	KY04C-2004-28-1-5	Roane/Allegiance	Griffey	KY
A000674	2011	Mason-Dixon	51	KY04C-1047-35-8-1	NC98-26192 / 93C-1238-17-2 // KY93C-0876-66 /KY93C-1238-17-4	Griffey	KY
A000675	2011	Mason-Dixon	52	KY03C-1221-04	25R18/McCormick//KY96C-0059-21	Griffey	KY
A000676	2011	Mason-Dixon	53	KY03C-1221-08	25R18/McCormick//KY96C-0059-21	Griffey	KY
A000677	2011	Mason-Dixon	54	KY03C-2049-02	Roane/VA97W-375ws	Griffey	KY
A000678	2011	Mason-Dixon	55	KY03C-2054-08	Roane/KY93C-0004-22-1	Griffey	KY
A000679	2011	Mason-Dixon	56	KY03C-1211-05	Roane/KY96C-0769-3	Griffey	KY
A000680	2011	Mason-Dixon	57	KY04C-1090-1	93C-1238-17-5/VA01W-476//McCormick	Griffey	KY
A000681	2011	Mason-Dixon	58	KY03C-1237-32	25R18/92C-0017-17//KY96C-0767-1	Griffey	KY
A000682	2011	Mason-Dixon	59	KY03C-1002-02	25W33/25W60//25W33/KY90C-042-37-1	Griffey	KY
A000683	2011	Mason-Dixon	60	KY02C-2215-02	Tribute/25W33	Griffey	KY
A000684	2011	Mason-Dixon	61	KY02C-2224-24	Tribute/Declaration	Griffey	KY
A000685	2011	Mason-Dixon	62	KY02C-1121-75	Declaration/Tribute	Griffey	KY
A000686	2011	Mason-Dixon	63	KY02C-1058-03	25R37//Tribute/2552	Griffey	KY
A000687	2011	Mason-Dixon	64	KY03C-1071-14	25R44/CG 554W//25R44/Tribute	Griffey	KY
A000688	2011	Mason-Dixon	65	ARS05-0074	KS98U664/TAM 301	Griffey	NC
A000689	2011	Mason-Dixon	66	ARS07-0202	FL9547/NC00-14622	Griffey	NC
A000690	2011	Mason-Dixon	67	ARS07-0204	FL9547/NC00-14622	Griffey	NC
A000691	2011	Mason-Dixon	68	ARS07-0245	FL9567/TX99D4628	Griffey	NC
A000692	2011	Mason-Dixon	69	ARS07-0262	FL95A331/Terrenzio17077-2	Griffey	NC
A000693	2011	Mason-Dixon	70	ARS07-0278	FL95IN1384/SS550	Griffey	NC
A000694	2011	Mason-Dixon	71	ARS07-0404	GA951079-3-5/NC96BGTD3	Griffey	NC
A000695	2011	Mason-Dixon	72	ARS07-0504	GA951395-10-7/KS2055	Griffey	NC
A000696	2011	Mason-Dixon	73	ARS07-0525	GA951395-10-7/WX98D011-U38	Griffey	NC
A000697	2011	Mason-Dixon	74	ARS07-0558	GA961565-27-6/TTCC255	Griffey	NC
A000698	2011	Mason-Dixon	75	ARS07-0609	GA961662-1-7/B980582	Griffey	NC
A000699	2011	Mason-Dixon	76	ARS07-1179	Trego/NC98-26143	Griffey	NC

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A000700	2011	Mason-Dixon	77	ARS07-1227	McCormick/Trego	Griffey	NC
A000701	2011	Mason-Dixon	78	ARS07-1229	McCormick/Trego	Griffey	NC
A000702	2011	Mason-Dixon	79	ARS07-1233	NC98-26143/2137	Griffey	NC
A000703	2011	Mason-Dixon	80	ARS08-0015	McCormick/Trego	Griffey	NC
A000704	2011	Mason-Dixon	81	ARS08-0047	AWD99*5725/WX02ARS086	Griffey	NC
A000705	2011	Mason-Dixon	82	ARS08-0156	TX99D4628/TX98D1519	Griffey	NC
A000706	2011	Mason-Dixon	83	ARS08-0344	LA9560CA4-1/TX99D4628	Griffey	NC
A000707	2011	Mason-Dixon	84	ARS08-0830	S00-0495/WX02ARS160	Griffey	NC
A000708	2011	GAWN	1	NC06-20401	NC95CLB-14543 / REN 3260 // NC96-14629	Murphy	NC-1
A000709	2011	GAWN	2	NC07-20850	UW85-1352 / C9704 // NC96-13155	Murphy	NC-2
A000710	2011	GAWN	3	NC07-22432	NC96-14094 / P26R24 // Tribute	Murphy	NC-3
A000711	2011	GAWN	4	NC07-23880	P26R24 / VA97W-375 // NC96-13965	Murphy	NC-4
A000712	2011	GAWN	5	NC07-24445	USG 3209 / NC98-26541	Murphy	NC-5
A000713	2011	GAWN	6	NC07-25169	Tribute / NC98-25380 // NC96-13155	Murphy	NC-6
A000714	2011	GAWN	7	NC08-21273	USG3209//B970499/NC98-26541	Murphy	NC-7
A000715	2011	GAWN	8	NC08-23089	NC97-10076/C9704//P26R61	Murphy	NC-8
A000716	2011	GAWN	9	NC08-23090	NC97-10076/C9704//P26R61	Murphy	NC-9
A000717	2011	GAWN	10	NC08-23323	B960164/NC94-7197//MCCORMICK	Murphy	NC-10
A000718	2011	GAWN	11	NC08-23324	B960164/NC94-7197//MCCORMICK	Murphy	NC-11
A000719	2011	GAWN	12	NC08-23383	PATTON/NC96-13374//MCCORMICK	Murphy	NC-12
A000720	2011	GAWN	13	USG3555	CHECK	Murphy	CK1
A000721	2011	GAWN	14	SHIRLEY	CHECK	Murphy	CK2
A000722	2011	GAWN	15	VA09W-45	GF921221E16 (GA83519/GA85240//GA861278) / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Murphy	VA-1
A000723	2011	GAWN	16	VA09W-46	GF921221E16 (GA83519/GA85240//GA861278) / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Murphy	VA-2
A000724	2011	GAWN	17	VA09W-52	GF921221E16 (GA83519/GA85240//GA861278) / McCormick"S" // VA99W-200 (VA91-54-343 / Roane"S")	Murphy	VA-3
A000725	2011	GAWN	18	VA09W-67	VA99W-188 (VA91-54-343 / Roane"S") / TRIBUTE	Murphy	VA-4
A000726	2011	GAWN	19	VA09W-73	SS520 (VA96W-158) / VA99W-188 (VA91-54-343 / Roane"S") // TRIBUTE	Murphy	VA-5
A000727	2011	GAWN	20	VA09W-75	SS520 (VA96W-158) / VA99W-188 (VA91-54-343 / Roane"S") // TRIBUTE	Murphy	VA-6
A000728	2011	GAWN	21	VA09W-110	USG 3592 (GA931241E16) / VA01W-303 (GA8619-D25 / VA93-52-55 // PION2643)	Murphy	VA-7
A000729	2011	GAWN	22	VA09W-112	USG 3592 (GA931241E16) / VA01W-303 (GA8619-D25 / VA93-52-55 // PION2643)	Murphy	VA-8
A000730	2011	GAWN	23	VA08W-630	OH 552 / SS550 (VA96W-247) // RC STRATEGY (VA98W-586)	Murphy	VA-9
A000731	2011	GAWN	24	VA08W-632	OH 552 / SS550 (VA96W-247) // RC STRATEGY (VA98W-586)	Murphy	VA-10
A000732	2011	GAWN	25	VA09W-656	NEUSE / VA99W-200 (VA91-54-343 / Roane"S") // McCORMICK	Murphy	VA-11
A000733	2011	GAWN	26	VA09W-657	NEUSE / VA99W-200 (VA91-54-343 / Roane"S") // McCORMICK	Murphy	VA-12
A000734	2011	GAWN	27	AGS2060	CHECK	Murphy	CK3
A000735	2011	GAWN	28	SS8641	CHECK	Murphy	CK4
A000736	2011	GAWN	29	LA02015E58	VA99W-169/PIO26R61,F1//LA94242D4-4(VA92-54-104/MOREY SIB)	Murphy	LA-01
A000737	2011	GAWN	30	LA02024E12	LA85411(GA8665:FR81-19/SALUDA)/FL95IN2762	Murphy	LA-02

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A000738	2011	GAWN	31	LA02024E7	LA85411(GA8665:FR81-19/SALUDA)/FL95IN2762	Murphy	LA-03
A000739	2011	GAWN	32	LA03012E-27	LA92283C64-1/ARLA97-1047-4-2 (FHB*?)	Murphy	LA-04
A000740	2011	GAWN	33	LA03118E117	APD99-5627/LA9546D5-1-3-B(F302/C762//MOREY SIB)	Murphy	LA-05
A000741	2011	GAWN	34	LA03136E71	ARLA97-1047-4-2(P2684/3/N7840//PARULA/VEERY#6)/LA95125BUB73-1 (FHB* ?)	Murphy	LA-06
A000742	2011	GAWN	35	LA03148E12	AWD99-5528/AGS2060	Murphy	LA-07
A000743	2011	GAWN	36	LA03155D-P13	DK9410/LA95361CA8-2-2	Murphy	LA-08
A000744	2011	GAWN	37	LA03161D-P1	FL95IN2762/AGS2060	Murphy	LA-09
A000745	2011	GAWN	38	LA03217E2	RO23/PIO26R61	Murphy	LA-10
A000746	2011	GAWN	39	LA04041D-10	AGS2060/GA951079A25	Murphy	LA-11
A000747	2011	GAWN	40	LA04013D-142	LA95135/B990399	Murphy	LA-12
A000748	2011	GAWN	41	GA031086-10E26	Pio26R24/GA961565-2E46//GA941208-2E35	Murphy	GA-1
A000749	2011	GAWN	42	GA03564-10E25	SS8641/4/AGS2000*3/931433//PIO2684/3*AGS 2000/3/AGS2000	Murphy	GA-2
A000750	2011	GAWN	43	GA031257-10E41	SS8641/GA961591	Murphy	GA-3
A000751	2011	GAWN	44	GA031215-10E42	GA971507/GA97342	Murphy	GA-4
A000752	2011	GAWN	45	GA03437-10E33	SC996284/GA 961581	Murphy	GA-5
A000753	2011	GAWN	46	GA031134-10E29	PIO26R38/2*GA961565-2E46	Murphy	GA-6
A000754	2011	GAWN	47	GA04570-10E46	00440/3/PIO2684/3*AGS 2000//AGS2000*2/GA84202	Murphy	GA-7
A000755	2011	GAWN	48	GA03389-10E36	SS8641/AGS2010	Murphy	GA-8
A000756	2011	GAWN	49	031238-LE33	SS8641/sis AGS 2031	Murphy	GA-9
A000757	2011	GAWN	50	031257-10E34	SS8641/GA961591	Murphy	GA-10
A000758	2011	GAWN	51	GA041271-10E39	McCormick/GA951216-2E26//sisSS8641	Murphy	GA-11
A000759	2011	GAWN	52	GA011373-10E36	GA961565//PIO XW682/AGS 2000	Murphy	GA-12
A000760	2011	GAWN	53	SCLA01111C-J7	P26R61/FUTAI8944	Murphy	10GAWN-38
A000761	2011	GAWN	54	SCLA99049D-E1-J1	FL931339AS/87167D8-10-2,F1//NC96BGTA5	Murphy	10GAWN-39
A000762	2011	GAWN	55	SCLA1110A1	P26R61/NC98-24710	Murphy	10SPE-102
A000763	2011	GAWN	56	SCLA1110B1	P26R61/NC98-24710	Murphy	10SPE-103

2011 Soft Red Winter Wheat Cooperative Nurseries					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000574	2011	5-State Adv	1	MO 080103	no	no	no	Ppd-D1a insens het	vrn-A1 long
A000575	2011	5-State Adv	2	MO 080864	Rht-B1b	no	no	no	vrn-A1 long
A000576	2011	5-State Adv	3	MO 081652	no	no	no	Ppd-D1a insens	vrn-A1 long
A000577	2011	5-State Adv	4	MO 081699	no	no	no	Ppd-D1a insens	vrn-A1 long
A000578	2011	5-State Adv	5	Bess	Rht-B1b	no	no	no	vrn-A1 long
A000579	2011	5-State Adv	6	IL06-13708	Rht-B1b	no	no	no	vrn-A1 long
A000580	2011	5-State Adv	7	IL06-13721	Rht-B1b	no	no	no	vrn-A1 long
A000581	2011	5-State Adv	8	IL06-23571	Rht-B1b	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000582	2011	5-State Adv	9	IL06-31053	Rht-B1b	no	no	no	vrn-A1 long
A000583	2011	5-State Adv	10	IL00-8530	Rht-B1b	no	no	no	vrn-A1 long
A000584	2011	5-State Adv	11	0175A1-37-4-1	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000585	2011	5-State Adv	12	02444A1-23-1-3	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000586	2011	5-State Adv	13	0570A1-2-39-5	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000587	2011	5-State Adv	14	05247A1-7-7-3-1	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000588	2011	5-State Adv	15	0722A1-1-7	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000589	2011	5-State Adv	16	OH07-98-21	Rht-B1b	no	no	no	vrn-A1 long
A000590	2011	5-State Adv	17	OH07-166-49	Rht-B1b	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000591	2011	5-State Adv	18	OH07-166-41	Rht-B1b	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000592	2011	5-State Adv	19	OH07-254-11	Rht-B1b	no	no	no	vrn-A1 long
A000593	2011	5-State Adv	20	MALABAR	Rht-B1b	no	no	no	vrn-A1 long
A000594	2011	5-State Adv	21	KY02C-1121-11	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000595	2011	5-State Adv	22	KY03C-1237-15	no	Rht-D1b het	no	Ppd-D1a insens	vrn-A1 long
A000596	2011	5-State Adv	23	KY02C-1122-06	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000597	2011	5-State Adv	24	KY03C-1192-37	no	Rht-D1b	Rht8c het	Ppd-D1a insens	vrn-A1 long
A000598	2011	5-State Adv	25	Pembroke	no	Rht-D1b het	no	Ppd-D1a insens	vrn-A1 long
A000599	2011	5-State Pre	1	MO 081559	Rht-B1b	no	no	no	vrn-A1 long
A000600	2011	5-State Pre	2	MO 080589	Rht-B1b	no	no	no	vrn-A1 long
A000601	2011	5-State Pre	3	MO 090574	no	no	no	Ppd-D1a insens	vrn-A1 long
A000602	2011	5-State Pre	4	MO 090821	Rht-B1b	no	no	no	vrn-A1 long
A000603	2011	5-State Pre	5	Bess	Rht-B1b	no	no	no	vrn-A1 long
A000604	2011	5-State Pre	6	IL06-14303	Rht-B1b	no	no	no	vrn-A1 long
A000605	2011	5-State Pre	7	IL06-14325	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000606	2011	5-State Pre	8	IL07- 4415	Rht-B1b	no	no	no	vrn-A1 long
A000607	2011	5-State Pre	9	IL07- 24841	Rht-B1b	no	no	no	vrn-A1 long
A000608	2011	5-State Pre	10	IL00-8530	Rht-B1b	no	no	no	vrn-A1 long
A000609	2011	5-State Pre	11	03549A1-18-25	Rht-B1b	no	no	no	vrn-A1 long
A000610	2011	5-State Pre	12	0513A1-1-3	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000611	2011	5-State Pre	13	05264A1-1-3-2	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000612	2011	5-State Pre	14	05287A1-1-13	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000613	2011	5-State Pre	15	0762A1-2-8	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000614	2011	5-State Pre	16	OH07-263-3	no	no	no	no	vrn-A1 long

2011 Soft Red Winter Wheat Cooperative Nurseries					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000615	2011	5-State Pre	17	OH08-133-25	Rht-B1b het	no	no	no	vrn-A1 long
A000616	2011	5-State Pre	18	OH08-149-11	Rht-B1b	no	no	no	vrn-A1 long
A000617	2011	5-State Pre	19	OH08-180-48	Rht-B1b	no	nd	no	vrn-A1 long
A000618	2011	5-State Pre	20	BROMFIELD	Rht-B1b	no	no	no	vrn-A1 long
A000619	2011	5-State Pre	21	KY03C-1221-22	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000620	2011	5-State Pre	22	KY03C-2399-02	no	no	no	Ppd-D1a insens	vrn-A1 long
A000621	2011	5-State Pre	23	KY03C-1237-01	no	Rht-D1b	no	no	vrn-A1 long
A000622	2011	5-State Pre	24	KY02C-1076-07	Rht-B1b het	Rht-D1b het	Rht8c het	Ppd-D1a insens het	vrn-A1 long
A000623	2011	5-State Pre	25	Pembroke	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000624	2011	Mason-Dixon	1	Shirley	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000625	2011	Mason-Dixon	2	Branson	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000626	2011	Mason-Dixon	3	Pioneer 26R15	nd	nd	no	Ppd-D1a insens	vrn-A1 long
A000627	2011	Mason-Dixon	4	Tribute	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000628	2011	Mason-Dixon	5	MD03W61-10-8	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000629	2011	Mason-Dixon	6	MD03W91-10-3	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000630	2011	Mason-Dixon	7	MD03W391-10-2WS	no	no	no	Ppd-D1a insens het	vrn-A1 long
A000631	2011	Mason-Dixon	8	MD03W64-10-3	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000632	2011	Mason-Dixon	9	MD03W104-10-2	no	Rht-D1b	no	no	vrn-A1 long
A000633	2011	Mason-Dixon	10	MD03W129-10-3	no	Rht-D1b	no	no	vrn-A1 long
A000634	2011	Mason-Dixon	11	MD03W151-10-12	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000635	2011	Mason-Dixon	12	MD03W485-10-2	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000636	2011	Mason-Dixon	13	MD03W485-10-4	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000637	2011	Mason-Dixon	14	MD03W485-10-8	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000638	2011	Mason-Dixon	15	MD03W485-10-9	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000639	2011	Mason-Dixon	16	MD03W485-10-10	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000640	2011	Mason-Dixon	17	MD03W485-10-12	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000641	2011	Mason-Dixon	18	MD03W485-10-14	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000642	2011	Mason-Dixon	19	MD03W485-10-15	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000643	2011	Mason-Dixon	20	MD03W665-10-1	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000644	2011	Mason-Dixon	21	MD03W665-10-3	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000645	2011	Mason-Dixon	22	MD03W665-10-4	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000646	2011	Mason-Dixon	23	MD03W665-10-5	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000647	2011	Mason-Dixon	24	MD01W270-10-3	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000648	2011	Mason-Dixon	25	VA08W-92	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000649	2011	Mason-Dixon	26	VA08W-193	no	Rht-D1b	no	no	vrn-A1 long
A000650	2011	Mason-Dixon	27	VA08W-295	no	Rht-D1b	no	no	vrn-A1 long
A000651	2011	Mason-Dixon	28	VA08MAS-369	no	Rht-D1b	no	no	vrn-A1 short
A000652	2011	Mason-Dixon	29	VA09W-45	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000653	2011	Mason-Dixon	30	VA09W-46	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000654	2011	Mason-Dixon	31	VA09W-52	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000655	2011	Mason-Dixon	32	VA09W-67	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short

2011 Soft Red Winter Wheat Cooperative Nurseries					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000656	2011	Mason-Dixon	33	VA09W-73	no	Rht-D1b	no	no	vrn-A1 long
A000657	2011	Mason-Dixon	34	VA09W-75	no	Rht-D1b	no	no	vrn-A1 long
A000658	2011	Mason-Dixon	35	VA09W-110	no	Rht-D1b	nd	Ppd-D1a insens	vrn-A1 long
A000659	2011	Mason-Dixon	36	VA09W-112	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000660	2011	Mason-Dixon	37	VA09W-188WS	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000661	2011	Mason-Dixon	38	VA08W-630	no	nd	no	no	vrn-A1 long
A000662	2011	Mason-Dixon	39	VA08W-632	no	Rht-D1b	no	no	vrn-A1 short
A000663	2011	Mason-Dixon	40	VA09W-623	no	Rht-D1b	no	nd	vrn-A1 long
A000664	2011	Mason-Dixon	41	VA09W-641	no	Rht-D1b	no	no	vrn-A1 long
A000665	2011	Mason-Dixon	42	VA09W-656	no	Rht-D1b	no	no	vrn-A1 het
A000666	2011	Mason-Dixon	43	VA09W-657	no	Rht-D1b	no	no	vrn-A1 short
A000667	2011	Mason-Dixon	44	VA09W-659	no	Rht-D1b het	no	Ppd-D1a insens het	vrn-A1 long
A000668	2011	Mason-Dixon	45	KY04C-3051-4-2-1	Rht-B1b	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000669	2011	Mason-Dixon	46	KY04C-1128-38-1-5	Rht-B1b	no	no	no	vrn-A1 long
A000670	2011	Mason-Dixon	47	KY04C-3006-33-14-3	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000671	2011	Mason-Dixon	48	KY04C-2008-44-19-3	Rht-B1b het	Rht-D1b het	nd	Ppd-D1a insens	vrn-A1 long
A000672	2011	Mason-Dixon	49	KY04C-2006-41-6-1	Rht-B1b	no	Rht8c	no	vrn-A1 long
A000673	2011	Mason-Dixon	50	KY04C-2004-28-1-5	no	Rht-D1b	no	no	vrn-A1 long
A000674	2011	Mason-Dixon	51	KY04C-1047-35-8-1	no	no	no	Ppd-D1a insens	vrn-A1 long
A000675	2011	Mason-Dixon	52	KY03C-1221-04	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000676	2011	Mason-Dixon	53	KY03C-1221-08	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000677	2011	Mason-Dixon	54	KY03C-2049-02	no	no	no	Ppd-D1a insens	vrn-A1 long
A000678	2011	Mason-Dixon	55	KY03C-2054-08	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000679	2011	Mason-Dixon	56	KY03C-1211-05	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000680	2011	Mason-Dixon	57	KY04C-1090-1	no	no	no	no	vrn-A1 long
A000681	2011	Mason-Dixon	58	KY03C-1237-32	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000682	2011	Mason-Dixon	59	KY03C-1002-02	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000683	2011	Mason-Dixon	60	KY02C-2215-02	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000684	2011	Mason-Dixon	61	KY02C-2224-24	Rht-B1b het	Rht-D1b het	Rht8c het	Ppd-D1a insens het	vrn-A1 long
A000685	2011	Mason-Dixon	62	KY02C-1121-75	no	Rht-D1b	no	no	vrn-A1 long
A000686	2011	Mason-Dixon	63	KY02C-1058-03	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000687	2011	Mason-Dixon	64	KY03C-1071-14	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000688	2011	Mason-Dixon	65	ARS05-0074	Rht-B1b	no	no	no	vrn-A1 long
A000689	2011	Mason-Dixon	66	ARS07-0202	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000690	2011	Mason-Dixon	67	ARS07-0204	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000691	2011	Mason-Dixon	68	ARS07-0245	no	Rht-D1b	no	no	vrn-A1 long
A000692	2011	Mason-Dixon	69	ARS07-0262	no	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000693	2011	Mason-Dixon	70	ARS07-0278	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a insens	vrn-A1 long
A000694	2011	Mason-Dixon	71	ARS07-0404	no	Rht-D1b	no	no	vrn-A1 short
A000695	2011	Mason-Dixon	72	ARS07-0504	Rht-B1b	no	no	no	vrn-A1 long
A000696	2011	Mason-Dixon	73	ARS07-0525	no	Rht-D1b	no	no	vrn-A1 long

2011 Soft Red Winter Wheat Cooperative Nurseries					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000697	2011	Mason-Dixon	74	ARS07-0558	Rht-B1b	no	no	no	vrn-A1 short
A000698	2011	Mason-Dixon	75	ARS07-0609	Rht-B1b	no	no	no	vrn-A1 long
A000699	2011	Mason-Dixon	76	ARS07-1179	no	Rht-D1b	no	nd	vrn-A1 long
A000700	2011	Mason-Dixon	77	ARS07-1227	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000701	2011	Mason-Dixon	78	ARS07-1229	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000702	2011	Mason-Dixon	79	ARS07-1233	Rht-B1b	no	no	no	vrn-A1 long
A000703	2011	Mason-Dixon	80	ARS08-0015	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000704	2011	Mason-Dixon	81	ARS08-0047	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 short
A000705	2011	Mason-Dixon	82	ARS08-0156	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000706	2011	Mason-Dixon	83	ARS08-0344	Rht-B1b	no	no	nd	vrn-A1 long
A000707	2011	Mason-Dixon	84	ARS08-0830	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000708	2011	GAWN	1	NC06-20401	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000709	2011	GAWN	2	NC07-20850	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000710	2011	GAWN	3	NC07-22432	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000711	2011	GAWN	4	NC07-23880	no	Rht-D1b	no	no	vrn-A1 long
A000712	2011	GAWN	5	NC07-24445	no	Rht-D1b	Rht8c	Ppd-D1a insens	vrn-A1 long
A000713	2011	GAWN	6	NC07-25169	no	Rht-D1b	no	no	vrn-A1 long
A000714	2011	GAWN	7	NC08-21273	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000715	2011	GAWN	8	NC08-23089	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 het
A000716	2011	GAWN	9	NC08-23090	no	Rht-D1b	nd	Ppd-D1a insens	vrn-A1 short
A000717	2011	GAWN	10	NC08-23323	no	Rht-D1b	no	no	vrn-A1 long
A000718	2011	GAWN	11	NC08-23324	Rht-B1b het	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000719	2011	GAWN	12	NC08-23383	no	Rht-D1b	no	no	vrn-A1 long
A000720	2011	GAWN	13	USG3555	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000721	2011	GAWN	14	SHIRLEY	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000722	2011	GAWN	15	VA09W-45	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000723	2011	GAWN	16	VA09W-46	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000724	2011	GAWN	17	VA09W-52	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000725	2011	GAWN	18	VA09W-67	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000726	2011	GAWN	19	VA09W-73	no	Rht-D1b	no	no	vrn-A1 long
A000727	2011	GAWN	20	VA09W-75	no	Rht-D1b	no	no	vrn-A1 long
A000728	2011	GAWN	21	VA09W-110	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000729	2011	GAWN	22	VA09W-112	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000730	2011	GAWN	23	VA08W-630	no	Rht-D1b	no	no	vrn-A1 long
A000731	2011	GAWN	24	VA08W-632	no	Rht-D1b	no	no	vrn-A1 short
A000732	2011	GAWN	25	VA09W-656	no	Rht-D1b	no	no	vrn-A1 het
A000733	2011	GAWN	26	VA09W-657	no	Rht-D1b	no	no	vrn-A1 short
A000734	2011	GAWN	27	AGS2060	no	Rht-D1b het	no	Ppd-D1a insens het	vrn-A1 long
A000735	2011	GAWN	28	SS8641	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000736	2011	GAWN	29	LA02015E58	no	Rht-D1b	Rht8c het	Ppd-D1a insens	vrn-A1 long
A000737	2011	GAWN	30	LA02024E12	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long

2011 Soft Red Winter Wheat Cooperative Nurseries					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000738	2011	GAWN	31	LA02024E7	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000739	2011	GAWN	32	LA03012E-27	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000740	2011	GAWN	33	LA03118E117	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000741	2011	GAWN	34	LA03136E71	Rht-B1b	no	no	Ppd-D1a insens het	vrn-A1 long
A000742	2011	GAWN	35	LA03148E12	Rht-B1b	no	no	no	vrn-A1 short
A000743	2011	GAWN	36	LA03155D-P13	Rht-B1b	no	no	no	vrn-A1 long
A000744	2011	GAWN	37	LA03161D-P1	no	Rht-D1b	Rht8c	no	vrn-A1 short
A000745	2011	GAWN	38	LA03217E2	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 short
A000746	2011	GAWN	39	LA04041D-10	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000747	2011	GAWN	40	LA04013D-142	Rht-B1b	no	no	no	vrn-A1 short
A000748	2011	GAWN	41	GA031086-10E26	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000749	2011	GAWN	42	GA03564-10E25	no	Rht-D1b	no	no	vrn-A1 long
A000750	2011	GAWN	43	GA031257-10E41	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000751	2011	GAWN	44	GA031215-10E42	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000752	2011	GAWN	45	GA03437-10E33	no	Rht-D1b	no	no	vrn-A1 long
A000753	2011	GAWN	46	GA031134-10E29	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000754	2011	GAWN	47	GA04570-10E46	no	Rht-D1b	no	no	vrn-A1 long
A000755	2011	GAWN	48	GA03389-10E36	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000756	2011	GAWN	49	031238-LE33	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000757	2011	GAWN	50	031257-10E34	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000758	2011	GAWN	51	GA041271-10E39	no	Rht-D1b	no	no	vrn-A1 long
A000759	2011	GAWN	52	GA011373-10E36	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000760	2011	GAWN	53	SCLA01111C-J7	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000761	2011	GAWN	54	SCLA99049D-E1-J1	no	Rht-D1b	Rht8c het	Ppd-D1a insens het	vrn-A1 long
A000762	2011	GAWN	55	SCLA1110A1	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000763	2011	GAWN	56	SCLA1110B1	no	Rht-D1b	Rht8c het	Ppd-D1a insens het	vrn-A1 het

2011 Soft Red Winter Wheat Cooperative Nurseries					Fusarium Head Blight alleles			
ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000574	2011	5-State Adv	1	MO 080103	no	no	no	no
A000575	2011	5-State Adv	2	MO 080864	no	no	no	no
A000576	2011	5-State Adv	3	MO 081652	no	no	no	no
A000577	2011	5-State Adv	4	MO 081699	no	no	no	no
A000578	2011	5-State Adv	5	Bess	no	no	no	no
A000579	2011	5-State Adv	6	IL06-13708	no	no	no	no
A000580	2011	5-State Adv	7	IL06-13721	no	no	no	no
A000581	2011	5-State Adv	8	IL06-23571	no	no	no	no
A000582	2011	5-State Adv	9	IL06-31053	no	no	no	no
A000583	2011	5-State Adv	10	IL00-8530	no	no	Fhb 5A Ernie	no
A000584	2011	5-State Adv	11	0175A1-37-4-1	Fhb1?	no	no	Fhb 5A Ning7840?
A000585	2011	5-State Adv	12	02444A1-23-1-3	Fhb1?	no	no	no
A000586	2011	5-State Adv	13	0570A1-2-39-5	no	no	Fhb 5A Ernie het	no
A000587	2011	5-State Adv	14	05247A1-7-7-3-1	no	no	Fhb 5A Ernie	no
A000588	2011	5-State Adv	15	0722A1-1-7	Fhb1?	no	no	no
A000589	2011	5-State Adv	16	OH07-98-21	no	no	no	no
A000590	2011	5-State Adv	17	OH07-166-49	no	no	no	no
A000591	2011	5-State Adv	18	OH07-166-41	no	no	no	no
A000592	2011	5-State Adv	19	OH07-254-11	no	no	nd	nd
A000593	2011	5-State Adv	20	MALABAR	no	no	nd	nd
A000594	2011	5-State Adv	21	KY02C-1121-11	no	no	no	no
A000595	2011	5-State Adv	22	KY03C-1237-15	Fhb1	no	no	no
A000596	2011	5-State Adv	23	KY02C-1122-06	no	no	Fhb 5A Ernie	no
A000597	2011	5-State Adv	24	KY03C-1192-37	no	no	no	no
A000598	2011	5-State Adv	25	Pembroke	Fhb1 het?	no	no	no
A000599	2011	5-State Pre	1	MO 081559	no	no	Fhb 5A Ernie het	no
A000600	2011	5-State Pre	2	MO 080589	no	no	no	no
A000601	2011	5-State Pre	3	MO 090574	no	no	no	no
A000602	2011	5-State Pre	4	MO 090821	no	no	no	no
A000603	2011	5-State Pre	5	Bess	no	no	no	no
A000604	2011	5-State Pre	6	IL06-14303	no	no	no	no
A000605	2011	5-State Pre	7	IL06-14325	no	no	no	no
A000606	2011	5-State Pre	8	IL07- 4415	Fhb1	no	no	no
A000607	2011	5-State Pre	9	IL07- 24841	no	no	no	no
A000608	2011	5-State Pre	10	IL00-8530	no	no	Fhb 5A Ernie	no
A000609	2011	5-State Pre	11	03549A1-18-25	Fhb1	no	no	no
A000610	2011	5-State Pre	12	0513A1-1-3	no	no	no	no
A000611	2011	5-State Pre	13	05264A1-1-3-2	no	no	no	no
A000612	2011	5-State Pre	14	05287A1-1-13	no	no	Fhb 5A Ernie	no
A000613	2011	5-State Pre	15	0762A1-2-8	Fhb1	no	Fhb 5A Ernie het	no
A000614	2011	5-State Pre	16	OH07-263-3	no	no	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries					Fusarium Head Blight alleles			
ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000615	2011	5-State Pre	17	OH08-133-25	no	no	no	no
A000616	2011	5-State Pre	18	OH08-149-11	no	no	no	no
A000617	2011	5-State Pre	19	OH08-180-48	no	no	no	no
A000618	2011	5-State Pre	20	BROMFIELD	nd	no	no	Fhb 5A Ning7840?
A000619	2011	5-State Pre	21	KY03C-1221-22	Fhb1 het?	no	no	no
A000620	2011	5-State Pre	22	KY03C-2399-02	no	no	no	no
A000621	2011	5-State Pre	23	KY03C-1237-01	Fhb1	no	no	no
A000622	2011	5-State Pre	24	KY02C-1076-07	no	no	no	no
A000623	2011	5-State Pre	25	Pembroke	no	no	no	no
A000624	2011	Mason-Dixon	1	Shirley	no	no	no	no
A000625	2011	Mason-Dixon	2	Branson	no	no	no	no
A000626	2011	Mason-Dixon	3	Pioneer 26R15	no	no	no	no
A000627	2011	Mason-Dixon	4	Tribute	no	no	no	no
A000628	2011	Mason-Dixon	5	MD03W61-10-8	no	no	no	no
A000629	2011	Mason-Dixon	6	MD03W91-10-3	Fhb1	no	nd	nd
A000630	2011	Mason-Dixon	7	MD03W391-10-2WS	no	no	no	no
A000631	2011	Mason-Dixon	8	MD03W64-10-3	no	no	no	no
A000632	2011	Mason-Dixon	9	MD03W104-10-2	no	no	no	no
A000633	2011	Mason-Dixon	10	MD03W129-10-3	no	no	no	no
A000634	2011	Mason-Dixon	11	MD03W151-10-12	no	no	no	no
A000635	2011	Mason-Dixon	12	MD03W485-10-2	no	no	no	no
A000636	2011	Mason-Dixon	13	MD03W485-10-4	no	no	no	no
A000637	2011	Mason-Dixon	14	MD03W485-10-8	no	no	no	no
A000638	2011	Mason-Dixon	15	MD03W485-10-9	no	no	no	no
A000639	2011	Mason-Dixon	16	MD03W485-10-10	no	no	no	no
A000640	2011	Mason-Dixon	17	MD03W485-10-12	no	no	no	no
A000641	2011	Mason-Dixon	18	MD03W485-10-14	no	no	no	no
A000642	2011	Mason-Dixon	19	MD03W485-10-15	no	no	no	no
A000643	2011	Mason-Dixon	20	MD03W665-10-1	no	no	no	no
A000644	2011	Mason-Dixon	21	MD03W665-10-3	no	no	no	no
A000645	2011	Mason-Dixon	22	MD03W665-10-4	no	no	no	no
A000646	2011	Mason-Dixon	23	MD03W665-10-5	no	no	no	no
A000647	2011	Mason-Dixon	24	MD01W270-10-3	no	no	no	no
A000648	2011	Mason-Dixon	25	VA08W-92	no	no	no	no
A000649	2011	Mason-Dixon	26	VA08W-193	no	no	no	no
A000650	2011	Mason-Dixon	27	VA08W-295	no	no	no	no
A000651	2011	Mason-Dixon	28	VA08MAS-369	no	no	no	no
A000652	2011	Mason-Dixon	29	VA09W-45	no	no	no	no
A000653	2011	Mason-Dixon	30	VA09W-46	no	no	no	no
A000654	2011	Mason-Dixon	31	VA09W-52	no	no	no	no
A000655	2011	Mason-Dixon	32	VA09W-67	no	no	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries					Fusarium Head Blight alleles			
ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000656	2011	Mason-Dixon	33	VA09W-73	no	no	no	no
A000657	2011	Mason-Dixon	34	VA09W-75	no	no	no	no
A000658	2011	Mason-Dixon	35	VA09W-110	no	no	no	no
A000659	2011	Mason-Dixon	36	VA09W-112	nd	no	no	no
A000660	2011	Mason-Dixon	37	VA09W-188WS	no	no	no	no
A000661	2011	Mason-Dixon	38	VA08W-630	nd	no	no	no
A000662	2011	Mason-Dixon	39	VA08W-632	no	no	no	no
A000663	2011	Mason-Dixon	40	VA09W-623	no	no	no	no
A000664	2011	Mason-Dixon	41	VA09W-641	no	no	Fhb 5A Ernie het	no
A000665	2011	Mason-Dixon	42	VA09W-656	no	no	no	no
A000666	2011	Mason-Dixon	43	VA09W-657	no	no	no	no
A000667	2011	Mason-Dixon	44	VA09W-659	no	no	Fhb 5A Ernie	no
A000668	2011	Mason-Dixon	45	KY04C-3051-4-2-1	no	no	no	no
A000669	2011	Mason-Dixon	46	KY04C-1128-38-1-5	no	no	no	no
A000670	2011	Mason-Dixon	47	KY04C-3006-33-14-3	no	no	no	no
A000671	2011	Mason-Dixon	48	KY04C-2008-44-19-3	nd	no	no	no
A000672	2011	Mason-Dixon	49	KY04C-2006-41-6-1	no	no	no	no
A000673	2011	Mason-Dixon	50	KY04C-2004-28-1-5	no	no	no	no
A000674	2011	Mason-Dixon	51	KY04C-1047-35-8-1	no	no	no	no
A000675	2011	Mason-Dixon	52	KY03C-1221-04	Fhb1	no	no	no
A000676	2011	Mason-Dixon	53	KY03C-1221-08	Fhb1 het	no	no	no
A000677	2011	Mason-Dixon	54	KY03C-2049-02	no	no	no	no
A000678	2011	Mason-Dixon	55	KY03C-2054-08	no	no	no	no
A000679	2011	Mason-Dixon	56	KY03C-1211-05	no	no	no	no
A000680	2011	Mason-Dixon	57	KY04C-1090-1	no	no	no	no
A000681	2011	Mason-Dixon	58	KY03C-1237-32	Fhb1 het	no	no	no
A000682	2011	Mason-Dixon	59	KY03C-1002-02	Fhb1	no	no	no
A000683	2011	Mason-Dixon	60	KY02C-2215-02	no	no	no	no
A000684	2011	Mason-Dixon	61	KY02C-2224-24	no	no	Fhb 5A Ernie het	no
A000685	2011	Mason-Dixon	62	KY02C-1121-75	no	no	Fhb 5A Ernie het	no
A000686	2011	Mason-Dixon	63	KY02C-1058-03	no	no	no	no
A000687	2011	Mason-Dixon	64	KY03C-1071-14	no	no	no	no
A000688	2011	Mason-Dixon	65	ARS05-0074	no	no	no	no
A000689	2011	Mason-Dixon	66	ARS07-0202	no	no	no	no
A000690	2011	Mason-Dixon	67	ARS07-0204	no	no	Fhb 5A Ernie	no
A000691	2011	Mason-Dixon	68	ARS07-0245	no	no	no	no
A000692	2011	Mason-Dixon	69	ARS07-0262	no	no	no	no
A000693	2011	Mason-Dixon	70	ARS07-0278	no	no	no	no
A000694	2011	Mason-Dixon	71	ARS07-0404	no	no	no	no
A000695	2011	Mason-Dixon	72	ARS07-0504	no	no	no	no
A000696	2011	Mason-Dixon	73	ARS07-0525	no	no	Fhb 5A Ernie het	no

2011 Soft Red Winter Wheat Cooperative Nurseries					Fusarium Head Blight alleles			
ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000697	2011	Mason-Dixon	74	ARS07-0558	no	no	no	no
A000698	2011	Mason-Dixon	75	ARS07-0609	no	no	no	no
A000699	2011	Mason-Dixon	76	ARS07-1179	no	no	no	no
A000700	2011	Mason-Dixon	77	ARS07-1227	no	no	Fhb 5A Ernie het	no
A000701	2011	Mason-Dixon	78	ARS07-1229	no	no	Fhb 5A Ernie	no
A000702	2011	Mason-Dixon	79	ARS07-1233	no	no	Fhb 5A Ernie	no
A000703	2011	Mason-Dixon	80	ARS08-0015	no	no	Fhb 5A Ernie	no
A000704	2011	Mason-Dixon	81	ARS08-0047	no	no	Fhb 5A Ernie	no
A000705	2011	Mason-Dixon	82	ARS08-0156	no	no	no	no
A000706	2011	Mason-Dixon	83	ARS08-0344	no	no	no	no
A000707	2011	Mason-Dixon	84	ARS08-0830	no	no	no	no
A000708	2011	GAWN	1	NC06-20401	no	no	no	no
A000709	2011	GAWN	2	NC07-20850	no	no	no	no
A000710	2011	GAWN	3	NC07-22432	no	no	Fhb 5A Ernie het	no
A000711	2011	GAWN	4	NC07-23880	no	no	no	no
A000712	2011	GAWN	5	NC07-24445	no	no	no	no
A000713	2011	GAWN	6	NC07-25169	no	no	no	no
A000714	2011	GAWN	7	NC08-21273	no	no	Fhb 5A Ernie het	no
A000715	2011	GAWN	8	NC08-23089	no	no	Fhb 5A Ernie het	no
A000716	2011	GAWN	9	NC08-23090	no	no	no	no
A000717	2011	GAWN	10	NC08-23323	no	no	no	no
A000718	2011	GAWN	11	NC08-23324	no	no	no	no
A000719	2011	GAWN	12	NC08-23383	no	no	no	no
A000720	2011	GAWN	13	USG3555	no	no	no	no
A000721	2011	GAWN	14	SHIRLEY	no	no	no	no
A000722	2011	GAWN	15	VA09W-45	no	no	no	no
A000723	2011	GAWN	16	VA09W-46	no	no	no	no
A000724	2011	GAWN	17	VA09W-52	no	no	Fhb 5A Ernie het	no
A000725	2011	GAWN	18	VA09W-67	no	no	no	no
A000726	2011	GAWN	19	VA09W-73	no	no	no	no
A000727	2011	GAWN	20	VA09W-75	no	no	no	no
A000728	2011	GAWN	21	VA09W-110	no	no	no	no
A000729	2011	GAWN	22	VA09W-112	no	nd	no	no
A000730	2011	GAWN	23	VA08W-630	no	no	no	no
A000731	2011	GAWN	24	VA08W-632	no	no	no	no
A000732	2011	GAWN	25	VA09W-656	no	no	no	no
A000733	2011	GAWN	26	VA09W-657	no	no	no	no
A000734	2011	GAWN	27	AGS2060	no	no	no	no
A000735	2011	GAWN	28	SS8641	no	no	no	no
A000736	2011	GAWN	29	LA02015E58	no	no	no	no
A000737	2011	GAWN	30	LA02024E12	no	no	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries					Fusarium Head Blight alleles			
ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000738	2011	GAWN	31	LA02024E7	no	no	no	no
A000739	2011	GAWN	32	LA03012E-27	no	no	no	no
A000740	2011	GAWN	33	LA03118E117	no	no	no	no
A000741	2011	GAWN	34	LA03136E71	no	no	nd	nd
A000742	2011	GAWN	35	LA03148E12	no	no	no	no
A000743	2011	GAWN	36	LA03155D-P13	no	no	no	no
A000744	2011	GAWN	37	LA03161D-P1	no	no	no	no
A000745	2011	GAWN	38	LA03217E2	no	no	no	no
A000746	2011	GAWN	39	LA04041D-10	no	no	no	no
A000747	2011	GAWN	40	LA04013D-142	no	no	no	no
A000748	2011	GAWN	41	GA031086-10E26	no	no	no	no
A000749	2011	GAWN	42	GA03564-10E25	no	no	no	no
A000750	2011	GAWN	43	GA031257-10E41	no	no	no	no
A000751	2011	GAWN	44	GA031215-10E42	no	no	no	no
A000752	2011	GAWN	45	GA03437-10E33	no	no	no	no
A000753	2011	GAWN	46	GA031134-10E29	no	no	no	no
A000754	2011	GAWN	47	GA04570-10E46	no	no	no	no
A000755	2011	GAWN	48	GA03389-10E36	no	no	no	no
A000756	2011	GAWN	49	031238-LE33	no	nd	no	no
A000757	2011	GAWN	50	031257-10E34	no	no	no	no
A000758	2011	GAWN	51	GA041271-10E39	no	no	no	no
A000759	2011	GAWN	52	GA011373-10E36	no	no	no	no
A000760	2011	GAWN	53	SCLA01111C-J7	no	no	no	no
A000761	2011	GAWN	54	SCLA99049D-E1-J1	no	no	no	no
A000762	2011	GAWN	55	SCLA1110A1	no	no	no	no
A000763	2011	GAWN	56	SCLA1110B1	no	no	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries

Leaf, Stem & Stripe Rusts and Powdery Mildew alleles

ID	Year	Nursery	Entry	Sample Name	Sr2	Sr36	Pm6	Sr24/Lr24	Yr17/Lr37/Sr38	Lr34/Yr18	Lr9	Lr19/Sr25	Qyr.uga-2AS
A000656	2011	Mason-Dixon	33	VA09W-73	no	no	no	no	no	no	Lr9	no	no
A000657	2011	Mason-Dixon	34	VA09W-75	no	no	no	no	no	no	Lr9	no	no
A000658	2011	Mason-Dixon	35	VA09W-110	no	Sr36 het?	Pm6	Sr24/Lr24	no	no	no	no	no
A000659	2011	Mason-Dixon	36	VA09W-112	no	Sr36	Pm6	Sr24/Lr24	no	no	no	no	no
A000660	2011	Mason-Dixon	37	VA09W-188WS	no	no	no	no	no	no	no	no	no
A000661	2011	Mason-Dixon	38	VA08W-630	no	no	no	no	no	no	Lr9	no	no
A000662	2011	Mason-Dixon	39	VA08W-632	no	no	no	no	no	no	Lr9	no	no
A000663	2011	Mason-Dixon	40	VA09W-623	no	no	no	no	no	no	no	no	no
A000664	2011	Mason-Dixon	41	VA09W-641	no	no	Pm6	no	no	no	Lr9	no	no
A000665	2011	Mason-Dixon	42	VA09W-656	no	no	no	Sr24/Lr24	no	no	no	no	no
A000666	2011	Mason-Dixon	43	VA09W-657	no	no	no	no	no	no	no	no	no
A000667	2011	Mason-Dixon	44	VA09W-659	no	no	no	no	no	no	no	no	no
A000668	2011	Mason-Dixon	45	KY04C-3051-4-2-1	no	no	no	no	no	no	no	no	no
A000669	2011	Mason-Dixon	46	KY04C-1128-38-1-5	no	no	no	no	no	no	Lr9	no	no
A000670	2011	Mason-Dixon	47	KY04C-3006-33-14-3	no	no	no	Sr24/Lr24	no	no	no	no	no
A000671	2011	Mason-Dixon	48	KY04C-2008-44-19-3	no	no	no	no	no	no	no	no	no
A000672	2011	Mason-Dixon	49	KY04C-2006-41-6-1	no	no	no	no	no	no	no	no	no
A000673	2011	Mason-Dixon	50	KY04C-2004-28-1-5	no	no	no	no	no	no	no	no	no
A000674	2011	Mason-Dixon	51	KY04C-1047-35-8-1	no	no	no	no	no	no	Lr9	no	no
A000675	2011	Mason-Dixon	52	KY03C-1221-04	no	no	no	no	no	no	no	no	no
A000676	2011	Mason-Dixon	53	KY03C-1221-08	no	no	no	no	no	no	no	no	no
A000677	2011	Mason-Dixon	54	KY03C-2049-02	no	Sr36	Pm6	no	no	no	no	no	no
A000678	2011	Mason-Dixon	55	KY03C-2054-08	no	no	no	no	no	no	no	no	no
A000679	2011	Mason-Dixon	56	KY03C-1211-05	no	no	no	no	no	no	no	no	no
A000680	2011	Mason-Dixon	57	KY04C-1090-1	no	no	no	no	no	no	no	no	no
A000681	2011	Mason-Dixon	58	KY03C-1237-32	no	no	no	no	no	no	no	no	no
A000682	2011	Mason-Dixon	59	KY03C-1002-02	no	no	no	no	no	no	no	no	no
A000683	2011	Mason-Dixon	60	KY02C-2215-02	no	no	no	no	no	no	Lr9	no	no
A000684	2011	Mason-Dixon	61	KY02C-2224-24	no	no	no	no	no	no	Lr9	no	no
A000685	2011	Mason-Dixon	62	KY02C-1121-75	no	no	no	no	no	no	Lr9	no	no
A000686	2011	Mason-Dixon	63	KY02C-1058-03	no	no	no	Sr24/Lr24	no	no	Lr9	no	no
A000687	2011	Mason-Dixon	64	KY03C-1071-14	no	no	no	no	no	no	no	no	no
A000688	2011	Mason-Dixon	65	ARS05-0074	no	Sr36	Pm6	no	no	no	no	no	no
A000689	2011	Mason-Dixon	66	ARS07-0202	no	Sr36	Pm6	Sr24/Lr24	no	no	no	no	no
A000690	2011	Mason-Dixon	67	ARS07-0204	no	Sr36	Pm6	no	Yr17Lr37/Sr38 het	no	no	no	no
A000691	2011	Mason-Dixon	68	ARS07-0245	no	no	no	no	Yr17Lr37/Sr38	no	no	no	no
A000692	2011	Mason-Dixon	69	ARS07-0262	no	no	no	no	Yr17Lr37/Sr38	Lr34/Yr18	no	no	no
A000693	2011	Mason-Dixon	70	ARS07-0278	no	Sr36	Pm6	no	no	no	no	no	no
A000694	2011	Mason-Dixon	71	ARS07-0404	no	Sr36	Pm6	no	Yr17Lr37/Sr38 het	no	no	no	APR Yr P26R61 het
A000695	2011	Mason-Dixon	72	ARS07-0504	no	Sr36	Pm6	no	Yr17Lr37/Sr38	no	no	no	no
A000696	2011	Mason-Dixon	73	ARS07-0525	no	Sr36	Pm6	no	Yr17Lr37/Sr38 het	no	no	no	APR Yr P26R61 het

2011 Soft Red Winter Wheat Cooperative Nurseries

Leaf, Stem & Stripe Rusts and Powdery Mildew alleles

ID	Year	Nursery	Entry	Sample Name	Sr2	Sr36	Pm6	Sr24/Lr24	Yr17/Lr37/Sr38	Lr34/Yr18	Lr9	Lr19/Sr25	Qyr.uga-2AS
A000697	2011	Mason-Dixon	74	ARS07-0558	no	nd	Pm6	no	no	no	no	no	no
A000698	2011	Mason-Dixon	75	ARS07-0609	no	Sr36	Pm6	no	no	no	no	no	no
A000699	2011	Mason-Dixon	76	ARS07-1179	no	no	no	no	no	no	no	no	no
A000700	2011	Mason-Dixon	77	ARS07-1227	no	Sr36	Pm6	no	no	no	no	no	no
A000701	2011	Mason-Dixon	78	ARS07-1229	no	no	no	Sr24/Lr24	no	no	no	no	no
A000702	2011	Mason-Dixon	79	ARS07-1233	no	Sr36	Pm6	no	Yr17Lr37/Sr38	no	no	no	no
A000703	2011	Mason-Dixon	80	ARS08-0015	no	no	no	Sr24/Lr24	no	no	no	no	no
A000704	2011	Mason-Dixon	81	ARS08-0047	no	no	no	no	no	no	no	no	no
A000705	2011	Mason-Dixon	82	ARS08-0156	no	Sr36	Pm6	no	no	Lr34/Yr18	no	no	no
A000706	2011	Mason-Dixon	83	ARS08-0344	no	Sr36	Pm6	no	no	no	Lr9	no	no
A000707	2011	Mason-Dixon	84	ARS08-0830	no	no	no	no	no	no	no	no	APR Yr P26R61
A000708	2011	GAWN	1	NC06-20401	no	Sr36	NT	no	no	no	no	no	no
A000709	2011	GAWN	2	NC07-20850	no	Sr36	NT	no	no	no	no	no	no
A000710	2011	GAWN	3	NC07-22432	no	Sr36 het	NT	no	no	no	Lr9	no	no
A000711	2011	GAWN	4	NC07-23880	no	Sr36	NT	no	no	no	Lr9	no	no
A000712	2011	GAWN	5	NC07-24445	no	Sr36	NT	no	no	no	no	no	no
A000713	2011	GAWN	6	NC07-25169	no	Sr36	NT	Sr24/Lr24	no	no	no	no	no
A000714	2011	GAWN	7	NC08-21273	no	Sr36 het	NT	no	no	no	no	no	no
A000715	2011	GAWN	8	NC08-23089	no	Sr36 het	NT	Sr24/Lr24	no	no	no	no	no
A000716	2011	GAWN	9	NC08-23090	no	no	NT	Sr24/Lr24	no	no	no	no	no
A000717	2011	GAWN	10	NC08-23323	no	no	NT	no	no	no	Lr9	no	no
A000718	2011	GAWN	11	NC08-23324	no	no	NT	Sr24/Lr24	no	no	Lr9	no	no
A000719	2011	GAWN	12	NC08-23383	no	no	NT	Sr24/Lr24	no	no	no	no	no
A000720	2011	GAWN	13	USG3555	no	Sr36	NT	no	no	no	no	no	no
A000721	2011	GAWN	14	SHIRLEY	no	Sr36	NT	no	no	no	no	no	no
A000722	2011	GAWN	15	VA09W-45	no	no	NT	no	no	no	no	no	no
A000723	2011	GAWN	16	VA09W-46	no	no	NT	no	no	no	no	no	no
A000724	2011	GAWN	17	VA09W-52	no	no	NT	no	no	no	no	no	no
A000725	2011	GAWN	18	VA09W-67	no	no	NT	no	no	no	no	no	no
A000726	2011	GAWN	19	VA09W-73	no	no	NT	no	no	no	Lr9	no	no
A000727	2011	GAWN	20	VA09W-75	no	no	NT	no	no	no	Lr9	no	no
A000728	2011	GAWN	21	VA09W-110	no	Sr36	NT	Sr24/Lr24	no	no	no	no	no
A000729	2011	GAWN	22	VA09W-112	no	Sr36	NT	Sr24/Lr24	no	no	no	no	no
A000730	2011	GAWN	23	VA08W-630	no	no	NT	no	no	no	Lr9	no	no
A000731	2011	GAWN	24	VA08W-632	no	no	NT	no	no	no	Lr9	no	no
A000732	2011	GAWN	25	VA09W-656	no	no	NT	no	no	no	no	no	no
A000733	2011	GAWN	26	VA09W-657	no	no	NT	no	no	no	no	no	no
A000734	2011	GAWN	27	AGS2060	no	Sr36 het	NT	Sr24/Lr24	Yr17Lr37/Sr38 het	no	Lr9	no	no
A000735	2011	GAWN	28	SS8641	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000736	2011	GAWN	29	LA02015E58	no	no	NT	Sr24/Lr24	Yr17Lr37/Sr38	no	no	no	no
A000737	2011	GAWN	30	LA02024E12	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries

Leaf, Stem & Stripe Rusts and Powdery Mildew alleles

ID	Year	Nursery	Entry	Sample Name	Sr2	Sr36	Pm6	Sr24/Lr24	Yr17/Lr37/Sr38	Lr34/Yr18	Lr9	Lr19/Sr25	Qyr.uga-2AS
A000738	2011	GAWN	31	LA02024E7	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000739	2011	GAWN	32	LA03012E-27	no	no	NT	no	no	no	no	no	no
A000740	2011	GAWN	33	LA03118E117	no	Sr36	NT	no	no	no	Lr9	no	no
A000741	2011	GAWN	34	LA03136E71	no	no	NT	no	no	Lr34/Yr18	Lr9	no	no
A000742	2011	GAWN	35	LA03148E12	no	Sr36	NT	Sr24/Lr24	no	no	Lr9	no	no
A000743	2011	GAWN	36	LA03155D-P13	no	no	NT	no	no	no	no	no	no
A000744	2011	GAWN	37	LA03161D-P1	no	Sr36	NT	Sr24/Lr24	Yr17Lr37/Sr38	no	Lr9	no	no
A000745	2011	GAWN	38	LA03217E2	no	no	NT	no	no	no	no	no	APR Yr P26R61
A000746	2011	GAWN	39	LA04041D-10	no	no	NT	no	no	no	no	no	no
A000747	2011	GAWN	40	LA04013D-142	no	no	NT	no	no	no	Lr9	no	no
A000748	2011	GAWN	41	GA031086-10E26	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000749	2011	GAWN	42	GA03564-10E25	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000750	2011	GAWN	43	GA031257-10E41	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000751	2011	GAWN	44	GA031215-10E42	no	no	NT	Sr24/Lr24	no	no	no	no	no
A000752	2011	GAWN	45	GA03437-10E33	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000753	2011	GAWN	46	GA031134-10E29	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000754	2011	GAWN	47	GA04570-10E46	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000755	2011	GAWN	48	GA03389-10E36	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000756	2011	GAWN	49	031238-LE33	no	Sr36	NT	no	no	no	no	no	no
A000757	2011	GAWN	50	031257-10E34	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000758	2011	GAWN	51	GA041271-10E39	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000759	2011	GAWN	52	GA011373-10E36	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no
A000760	2011	GAWN	53	SCLA01111C-J7	no	no	NT	no	Yr17Lr37/Sr38 het	no	no	no	APR Yr P26R61
A000761	2011	GAWN	54	SCLA99049D-E1-J1	no	no	NT	Sr24/Lr24	Yr17Lr37/Sr38 het	no	no	no	no
A000762	2011	GAWN	55	SCLA1110A1	no	no	NT	no	no	no	no	no	no
A000763	2011	GAWN	56	SCLA1110B1	no	no	NT	no	no	no	Lr9?	no	no

2011 Soft Red Winter Wheat Cooperative Nurseries					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1
A000574	2011	5-State Adv	1	MO 080103	non-1RS	no	no	no	NT	no	no	het	het
A000575	2011	5-State Adv	2	MO 080864	non-1RS	no	no	no	NT	no	no	het	Ax1 or null
A000576	2011	5-State Adv	3	MO 081652	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000577	2011	5-State Adv	4	MO 081699	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000578	2011	5-State Adv	5	Bess	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000579	2011	5-State Adv	6	IL06-13708	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000580	2011	5-State Adv	7	IL06-13721	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000581	2011	5-State Adv	8	IL06-23571	non-1RS	nd	no	no	NT	no	no	het	Ax2*
A000582	2011	5-State Adv	9	IL06-31053	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000583	2011	5-State Adv	10	IL00-8530	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000584	2011	5-State Adv	11	0175A1-37-4-1	1RS:1BL	no	no	no	NT	no	Bx7oe	2+12	Ax1 or null
A000585	2011	5-State Adv	12	02444A1-23-1-3	non-1RS	no	no	no	NT	no	Bx7oe	2+12	Ax1 or null
A000586	2011	5-State Adv	13	0570A1-2-39-5	non-1RS	no	no	no	NT	Bdv2/3	no	het	Ax1 or null
A000587	2011	5-State Adv	14	05247A1-7-7-3-1	1RS:1BL	no	H9	no	NT	Bdv2/3	Bx7oe	2+12	Ax2*
A000588	2011	5-State Adv	15	0722A1-1-7	non-1RS	no	no	no	NT	nd	Bx7oe	2+12	Ax1 or null
A000589	2011	5-State Adv	16	OH07-98-21	1RS:1BL	no	no	no	NT	no	no	5+10	Ax2*
A000590	2011	5-State Adv	17	OH07-166-49	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000591	2011	5-State Adv	18	OH07-166-41	non-1RS	no	no	no	NT	nd	no	2+12	Ax2*
A000592	2011	5-State Adv	19	OH07-254-11	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000593	2011	5-State Adv	20	MALABAR	1RS:1BL	no	no	no	NT	no	no	het	Ax1 or null
A000594	2011	5-State Adv	21	KY02C-1121-11	non-1RS	no	no	no	NT	no	no	het	Ax1 or null
A000595	2011	5-State Adv	22	KY03C-1237-15	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000596	2011	5-State Adv	23	KY02C-1122-06	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000597	2011	5-State Adv	24	KY03C-1192-37	non-1RS	no	no	no	NT	no	Bx7oe het	het	het
A000598	2011	5-State Adv	25	Pembroke	non-1RS	no	no	no	NT	no	Bx7oe het	2+12	Ax2*
A000599	2011	5-State Pre	1	MO 081559	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000600	2011	5-State Pre	2	MO 080589	non-1RS	no	no	no	NT	no	no	het	Ax1 or null
A000601	2011	5-State Pre	3	MO 090574	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000602	2011	5-State Pre	4	MO 090821	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000603	2011	5-State Pre	5	Bess	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000604	2011	5-State Pre	6	IL06-14303	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000605	2011	5-State Pre	7	IL06-14325	1RS:1BL	no	no	no	NT	no	no	het	Ax2*
A000606	2011	5-State Pre	8	IL07- 4415	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000607	2011	5-State Pre	9	IL07- 24841	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000608	2011	5-State Pre	10	IL00-8530	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000609	2011	5-State Pre	11	03549A1-18-25	non-1RS	no	H9	no	NT	no	no	2+12	Ax1 or null
A000610	2011	5-State Pre	12	0513A1-1-3	non-1RS	no	no	no	NT	Bdv2/3 het	no	2+12	Ax1 or null
A000611	2011	5-State Pre	13	05264A1-1-3-2	1RS:1BL	no	no	no	NT	Bdv2/3	no	2+12	Ax1 or null
A000612	2011	5-State Pre	14	05287A1-1-13	non-1RS	no	H9	no	NT	Bdv2/3 het	Bx7oe het	het	Ax1 or null
A000613	2011	5-State Pre	15	0762A1-2-8	non-1RS	no	no	no	NT	no	Bx7oe het	2+12	Ax1 or null
A000614	2011	5-State Pre	16	OH07-263-3	1RS:1BL	no	no	no	NT	no	nd	het	Ax2*

2011 Soft Red Winter Wheat Cooperative Nurseries					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1
A000615	2011	5-State Pre	17	OH08-133-25	non-1RS	no	no	no	NT	no	no	2+12	het
A000616	2011	5-State Pre	18	OH08-149-11	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000617	2011	5-State Pre	19	OH08-180-48	non-1RS	no	H9 het	no	NT	no	no	5+10	Ax2*
A000618	2011	5-State Pre	20	BROMFIELD	1RS:1AL	no	nd	no	NT	no	no	2+12	Ax2*
A000619	2011	5-State Pre	21	KY03C-1221-22	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000620	2011	5-State Pre	22	KY03C-2399-02	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000621	2011	5-State Pre	23	KY03C-1237-01	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000622	2011	5-State Pre	24	KY02C-1076-07	non-1RS	no	no	no	NT	no	no	het	het
A000623	2011	5-State Pre	25	Pembroke	non-1RS	no	no	no	NT	no	Bx7oe	2+12	Ax2*
A000624	2011	Mason-Dixon	1	Shirley	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000625	2011	Mason-Dixon	2	Branson	non-1RS	no	no	no	NT	no	no	het	Ax2*
A000626	2011	Mason-Dixon	3	Pioneer 26R15	non-1RS	no	no	no	NT	no	Bx7oe het	5+10	Ax2*
A000627	2011	Mason-Dixon	4	Tribute	1RS:1AL	no	no	no	NT	no	no	5+10	Ax2*
A000628	2011	Mason-Dixon	5	MD03W61-10-8	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000629	2011	Mason-Dixon	6	MD03W91-10-3	1RS:1BL 1RS:1AL	no	no	no	NT	no	no	5+10	Ax2*
A000630	2011	Mason-Dixon	7	MD03W391-10-2WS	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000631	2011	Mason-Dixon	8	MD03W64-10-3	1RS:1BL	no	no	no	NT	no	no	5+10	Ax2*
A000632	2011	Mason-Dixon	9	MD03W104-10-2	1RS:1AL	no	nd	no	NT	no	no	2+12	Ax2*
A000633	2011	Mason-Dixon	10	MD03W129-10-3	1RS:1BL	no	no	no	NT	no	Bx7oe	5+10	Ax2*
A000634	2011	Mason-Dixon	11	MD03W151-10-12	non-1RS	nd	no	no	NT	no	no	2+12	Ax1 or null
A000635	2011	Mason-Dixon	12	MD03W485-10-2	1RS:1BL	no	no	no	NT	no	no	5+10	Ax1 or null
A000636	2011	Mason-Dixon	13	MD03W485-10-4	1RS:1BL 1RS:1AL	no	no	no	NT	no	no	5+10	het
A000637	2011	Mason-Dixon	14	MD03W485-10-8	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000638	2011	Mason-Dixon	15	MD03W485-10-9	1RS:1BL	no	no	no	NT	no	no	5+10	Ax1 or null
A000639	2011	Mason-Dixon	16	MD03W485-10-10	1RS:1BL 1RS:1AL	no	nd	no	NT	no	no	5+10	Ax2*
A000640	2011	Mason-Dixon	17	MD03W485-10-12	1RS:1BL	no	no	no	NT	no	no	het	het
A000641	2011	Mason-Dixon	18	MD03W485-10-14	non-1RS	no	nd	no	NT	no	no	5+10	het
A000642	2011	Mason-Dixon	19	MD03W485-10-15	1RS:1BL 1RS:1AL	no	no	no	NT	no	no	5+10	het
A000643	2011	Mason-Dixon	20	MD03W665-10-1	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000644	2011	Mason-Dixon	21	MD03W665-10-3	1RS:1BL	no	no	no	NT	nd	no	5+10	Ax1 or null
A000645	2011	Mason-Dixon	22	MD03W665-10-4	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000646	2011	Mason-Dixon	23	MD03W665-10-5	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000647	2011	Mason-Dixon	24	MD01W270-10-3	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000648	2011	Mason-Dixon	25	VA08W-92	1RS:1AL	no	nd	no	NT	no	no	het	Ax2*
A000649	2011	Mason-Dixon	26	VA08W-193	1RS:1AL	no	nd	no	NT	no	no	2+12	Ax2*
A000650	2011	Mason-Dixon	27	VA08W-295	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000651	2011	Mason-Dixon	28	VA08MAS-369	1RS:1AL	no	nd	no	NT	no	no	5+10	Ax2*
A000652	2011	Mason-Dixon	29	VA09W-45	1RS:1AL	no	no	no	NT	no	no	2+12	het
A000653	2011	Mason-Dixon	30	VA09W-46	non-1RS	no	no	no	NT	no	no	2+12	het
A000654	2011	Mason-Dixon	31	VA09W-52	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000655	2011	Mason-Dixon	32	VA09W-67	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null

2011 Soft Red Winter Wheat Cooperative Nurseries					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1
A000656	2011	Mason-Dixon	33	VA09W-73	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000657	2011	Mason-Dixon	34	VA09W-75	1RS:1AL	no	nd	no	NT	no	no	2+12	Ax2*
A000658	2011	Mason-Dixon	35	VA09W-110	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000659	2011	Mason-Dixon	36	VA09W-112	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000660	2011	Mason-Dixon	37	VA09W-188WS	non-1RS	no	no	no	NT	no	no	het	Ax2*
A000661	2011	Mason-Dixon	38	VA08W-630	non-1RS	no	no	no	NT	no	nd	2+12	Ax2*
A000662	2011	Mason-Dixon	39	VA08W-632	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000663	2011	Mason-Dixon	40	VA09W-623	1RS:1AL	no	no	no	NT	no	no	2+12	Ax2*
A000664	2011	Mason-Dixon	41	VA09W-641	1RS:1AL	no	nd	no	NT	no	no	2+12	het
A000665	2011	Mason-Dixon	42	VA09W-656	1RS:1AL	no	nd	no	NT	no	no	2+12	Ax2*
A000666	2011	Mason-Dixon	43	VA09W-657	1RS:1AL	no	no	no	NT	no	no	2+12	Ax2*
A000667	2011	Mason-Dixon	44	VA09W-659	1RS:1AL	no	nd	no	NT	no	Bx7oe het	2+12	Ax2*
A000668	2011	Mason-Dixon	45	KY04C-3051-4-2-1	1RS:1BL	no	no	no	NT	no	no	het	Ax1 or null
A000669	2011	Mason-Dixon	46	KY04C-1128-38-1-5	non-1RS	no	no	no	NT	no	Bx7oe	2+12	Ax2*
A000670	2011	Mason-Dixon	47	KY04C-3006-33-14-3	1RS:1AL	no	no	no	NT	no	no	5+10	Ax2*
A000671	2011	Mason-Dixon	48	KY04C-2008-44-19-3	1RS:1BL	no	no	no	NT	no	no	het	Ax2*
A000672	2011	Mason-Dixon	49	KY04C-2006-41-6-1	non-1RS	nd	no	no	NT	no	no	2+12	Ax2*
A000673	2011	Mason-Dixon	50	KY04C-2004-28-1-5	non-1RS	no	no	no	NT	no	no	het	Ax2*
A000674	2011	Mason-Dixon	51	KY04C-1047-35-8-1	non-1RS	no	no	no	NT	no	Bx7oe	2+12	Ax1 or null
A000675	2011	Mason-Dixon	52	KY03C-1221-04	1RS:1BL	no	no	no	NT	no	nd	2+12	Ax2*
A000676	2011	Mason-Dixon	53	KY03C-1221-08	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000677	2011	Mason-Dixon	54	KY03C-2049-02	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000678	2011	Mason-Dixon	55	KY03C-2054-08	non-1RS	no	no	no	NT	no	Bx7oe het	2+12	Ax2*
A000679	2011	Mason-Dixon	56	KY03C-1211-05	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000680	2011	Mason-Dixon	57	KY04C-1090-1	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000681	2011	Mason-Dixon	58	KY03C-1237-32	1RS:1BL	no	no	no	NT	no	no	2+12	Ax2*
A000682	2011	Mason-Dixon	59	KY03C-1002-02	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000683	2011	Mason-Dixon	60	KY02C-2215-02	1RS:1AL	no	nd	no	NT	no	nd	het	het
A000684	2011	Mason-Dixon	61	KY02C-2224-24	1RS:1AL	no	no	no	NT	no	Bx7oe het	2+12	het
A000685	2011	Mason-Dixon	62	KY02C-1121-75	1RS:1AL	no	no	no	NT	no	no	5+10	Ax2*
A000686	2011	Mason-Dixon	63	KY02C-1058-03	1RS:1BL	no	no	no	NT	no	no	5+10	Ax2*
A000687	2011	Mason-Dixon	64	KY03C-1071-14	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000688	2011	Mason-Dixon	65	ARS05-0074	1RS:1AL	no	nd	no	NT	no	no	5+10	Ax2*
A000689	2011	Mason-Dixon	66	ARS07-0202	non-1RS	no	no	no	NT	no	no	2+12	het
A000690	2011	Mason-Dixon	67	ARS07-0204	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000691	2011	Mason-Dixon	68	ARS07-0245	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000692	2011	Mason-Dixon	69	ARS07-0262	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000693	2011	Mason-Dixon	70	ARS07-0278	1RS:1BL	no	no	no	NT	no	no	2+12	Ax2*
A000694	2011	Mason-Dixon	71	ARS07-0404	non-1RS	H13	no	no	NT	no	no	2+12	Ax2*
A000695	2011	Mason-Dixon	72	ARS07-0504	1RS:1BL	no	no	no	NT	no	no	2+12	Ax1 or null
A000696	2011	Mason-Dixon	73	ARS07-0525	1RS:1BL	H13 het	no	no	NT	no	no	2+12	het

2011 Soft Red Winter Wheat Cooperative Nurseries					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1
A000697	2011	Mason-Dixon	74	ARS07-0558	non-1RS	H13	no	no	NT	no	no	2+12	Ax1 or null
A000698	2011	Mason-Dixon	75	ARS07-0609	non-1RS	H13 het	no	no	NT	no	no	5+10	Ax2*
A000699	2011	Mason-Dixon	76	ARS07-1179	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000700	2011	Mason-Dixon	77	ARS07-1227	1RS:1AL	no	no	no	NT	no	no	het	het
A000701	2011	Mason-Dixon	78	ARS07-1229	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000702	2011	Mason-Dixon	79	ARS07-1233	non-1RS	no	no	no	NT	no	no	2+12	Ax1 or null
A000703	2011	Mason-Dixon	80	ARS08-0015	non-1RS	no	no	no	NT	no	no	2+12	Ax2*
A000704	2011	Mason-Dixon	81	ARS08-0047	non-1RS	no	no	no	NT	no	no	5+10	Ax2*
A000705	2011	Mason-Dixon	82	ARS08-0156	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000706	2011	Mason-Dixon	83	ARS08-0344	non-1RS	no	no	no	NT	no	no	5+10	Ax1 or null
A000707	2011	Mason-Dixon	84	ARS08-0830	1RS:1AL	no	no	no	NT	no	Bx7oe	5+10	Ax2*
A000708	2011	GAWN	1	NC06-20401	1RS:1BL	no	H9	no	no	no	no	2+12	Ax2*
A000709	2011	GAWN	2	NC07-20850	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000710	2011	GAWN	3	NC07-22432	1RS:1AL	no	no	no	no	no	no	het	Ax2*
A000711	2011	GAWN	4	NC07-23880	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000712	2011	GAWN	5	NC07-24445	non-1RS	no	no	no	no	no	no	5+10	Ax1 or null
A000713	2011	GAWN	6	NC07-25169	non-1RS	nd	nd	no	no	no	no	2+12	Ax2*
A000714	2011	GAWN	7	NC08-21273	non-1RS	no	no	no	no	no	no	het	het
A000715	2011	GAWN	8	NC08-23089	1RS:1AL	no	no	no	no	no	no	2+12	het
A000716	2011	GAWN	9	NC08-23090	1RS:1AL	no	nd	no	no	nd	no	2+12	Ax2*
A000717	2011	GAWN	10	NC08-23323	1RS:1AL	no	nd	no	no	no	no	het	het
A000718	2011	GAWN	11	NC08-23324	1RS:1AL	no	no	no	no	no	no	2+12	Ax1 or null
A000719	2011	GAWN	12	NC08-23383	1RS:1AL	no	nd	no	no	no	no	2+12	Ax1 or null
A000720	2011	GAWN	13	USG3555	1RS:1BL	no	no	no	no	no	no	2+12	Ax2*
A000721	2011	GAWN	14	SHIRLEY	1RS:1BL	no	no	no	no	no	no	2+12	Ax1 or null
A000722	2011	GAWN	15	VA09W-45	non-1RS	no	no	no	no	no	no	2+12	het
A000723	2011	GAWN	16	VA09W-46	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000724	2011	GAWN	17	VA09W-52	1RS:1AL	no	no	no	no	no	no	2+12	het
A000725	2011	GAWN	18	VA09W-67	non-1RS	no	no	no	no	no	no	5+10	Ax1 or null
A000726	2011	GAWN	19	VA09W-73	non-1RS	nd	no	no	no	no	no	2+12	Ax2*
A000727	2011	GAWN	20	VA09W-75	1RS:1AL	no	nd	no	no	no	no	2+12	Ax2*
A000728	2011	GAWN	21	VA09W-110	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000729	2011	GAWN	22	VA09W-112	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000730	2011	GAWN	23	VA08W-630	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000731	2011	GAWN	24	VA08W-632	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null
A000732	2011	GAWN	25	VA09W-656	non-1RS	no	nd	no	no	no	no	2+12	Ax2*
A000733	2011	GAWN	26	VA09W-657	1RS:1AL	no	nd	no	no	no	no	2+12	Ax2*
A000734	2011	GAWN	27	AGS2060	1RS:1BL	H13 het	no	no	no	no	no	het	Ax2*
A000735	2011	GAWN	28	SS8641	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000736	2011	GAWN	29	LA02015E58	1RS:1BL	no	no	no	no	no	no	het	het
A000737	2011	GAWN	30	LA02024E12	non-1RS	no	nd	no	no	no	Bx7oe	5+10	het

2011 Soft Red Winter Wheat Cooperative Nurseries					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1
A000738	2011	GAWN	31	LA02024E7	non-1RS	no	no	no	no	no	Bx7oe	5+10	het
A000739	2011	GAWN	32	LA03012E-27	non-1RS	no	no	no	no	no	no	5+10	Ax2*
A000740	2011	GAWN	33	LA03118E117	1RS:1BL	no	no	no	no	no	no	2+12	Ax1 or null
A000741	2011	GAWN	34	LA03136E71	non-1RS	no	no	no	no	no	Bx7oe het	2+12	Ax1 or null
A000742	2011	GAWN	35	LA03148E12	non-1RS	no	no	no	no	no	no	5+10	Ax2*
A000743	2011	GAWN	36	LA03155D-P13	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000744	2011	GAWN	37	LA03161D-P1	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000745	2011	GAWN	38	LA03217E2	1RS:1BL	no	nd	no	no	no	Bx7oe	5+10	Ax2*
A000746	2011	GAWN	39	LA04041D-10	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000747	2011	GAWN	40	LA04013D-142	non-1RS	no	no	no	no	no	no	5+10	Ax1 or null
A000748	2011	GAWN	41	GA031086-10E26	non-1RS	H13	no	no	no	no	no	2+12	Ax2*
A000749	2011	GAWN	42	GA03564-10E25	non-1RS	nd	no	no	no	no	no	5+10	Ax2*
A000750	2011	GAWN	43	GA031257-10E41	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000751	2011	GAWN	44	GA031215-10E42	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000752	2011	GAWN	45	GA03437-10E33	non-1RS	no	H9	no	no	no	no	5+10	Ax2*
A000753	2011	GAWN	46	GA031134-10E29	non-1RS	H13	no	no	no	no	no	5+10	Ax2*
A000754	2011	GAWN	47	GA04570-10E46	1RS:1BL	no	no	no	no	no	no	5+10	Ax2*
A000755	2011	GAWN	48	GA03389-10E36	non-1RS	H13 het	no	no	no	no	no	2+12	Ax2*
A000756	2011	GAWN	49	031238-LE33	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000757	2011	GAWN	50	031257-10E34	non-1RS	no	no	no	no	no	no	2+12	Ax2*
A000758	2011	GAWN	51	GA041271-10E39	non-1RS	no	no	no	no	no	no	5+10	Ax2*
A000759	2011	GAWN	52	GA011373-10E36	non-1RS	no	no	no	no	no	Bx7oe het	het	Ax2*
A000760	2011	GAWN	53	SCLA01111C-J7	non-1RS	no	nd	no	no	no	Bx7oe	2+12	Ax1 or null
A000761	2011	GAWN	54	SCLA99049D-E1-J1	1RS:1BL	no	no	no	no	no	no	het	Ax2*
A000762	2011	GAWN	55	SCLA1110A1	1RS:1BL	H13	no	no	no	no	Bx7oe	2+12	Ax2*
A000763	2011	GAWN	56	SCLA1110B1	1RS:1BL 1RS:1AL	H13 het	no	no	no	no	Bx7oe	het	Ax2*