

2011

Marker Reports for all Alleles

Eastern Regional Nurseries

Uniform Eastern Soft White Winter Wheat Nursery

Eastern Regional Small Grains Genotyping Lab

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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 Uniform Eastern Soft White Winter Wheat Nursery

ID	Year	Nursery	Entry	Sample Name	Pedigree	Contributor	Plant Source	1st Yr in Nursery
A000924	2011	UESWWWN	1	Superior	TWC839-3/Harus	Etienne	Etienne	Check
A000925	2011	UESWWWN	2	Envoy	MSU Line DC076 / Pioneer Brand 2552	Lewis	Lewis	Check
A000926	2011	UESWWWN	3	MSU Line E2041	Pioneer Brand 2552/Pioneer Brand 2737W	Lewis	Lewis	Re-test
A000927	2011	UESWWWN	4	MSU Line E6012	Caledonia / Pioneer Brand 25W33	Lewis	Lewis	New
A000928	2011	UESWWWN	5	MSU Line E6032	Pioneer Brand 25W33 / Pioneer Brand 2552	Lewis	Lewis	New
A000929	2011	UESWWWN	7	MSU Line E2043	MSU Line DC076/Pioneer Brand 2552	Lewis	Lewis	Re-test (from a few years ago)
A000930	2011	UESWWWN	6	MSU Line E8052	Pioneer Brand 2552/D8006	Lewis	Lewis	New
A000931	2011	UESWWWN	8	MSU Line E0001	Clarks Cream/D1277	Lewis	Lewis	Seeing if there is regional value in this older breeding line
A000932	2011	UESWWWN	9	MSU Line E0009	NY82-105-2/Cayuga	Lewis	Lewis	Seeing if there is regional value in this older breeding line
A000933	2011	UESWWWN	10	NY103-208-7263	Cayuga/Caledonia	Sorrells	Sorrells	Re-test
A000934	2011	UESWWWN	11	NY94052-3329	Pio2737w/Harus(18)	Sorrells	Sorrells	New
A000935	2011	UESWWWN	12	NY99045-3110	Geneva/Pio25W33 (26+9s)	Sorrells	Sorrells	New
A000936	2011	UESWWWN	13	NY99066-3025	NY87048W-7387/Mendon (18)	Sorrells	Sorrells	New
A000937	2011	UESWWWN	14	NY94032-46	Pio2737w/Geneva(19)	Sorrells	Sorrells	New
A000938	2011	UESWWWN	15	Caledonia	Offtype selection out of Geneva (Cornell)	Sorrells	Sorrells	Check
A000939	2011	UESWWWN	16	Cayuga	Reselection of NY262-37-10W (Cornell)	Sorrells	Sorrells	PHS Check
A000940	2011	UESWWWN	17	VA09W-188WS	PIONEER 25W60 // PION 25W33 / VAN98W-170WS [FFR555W/GORE//CK9803/VA87-54-636(SAL/JUGOSLAVIA)]	Griffey	Griffey	New
A000941	2011	UESWWWN	18	VA09W-192WS	TW137-003 (W052/W044) / VA97W-375WS (CK9803/FREEDOM)	Griffey	Griffey	New
A000942	2011	UESWWWN	19	UOGRC19-114B	AC RON / 25R18	Tamburic	Tamburic	new
A000943	2011	UESWWWN	20	M07*7001W	P 25W33/DW97*6997	Fogleman	Fogleman	new
A000944	2011	UESWWWN	21	W1062	P 25W33/CALEDONIA	Fogleman	Fogleman	
A000945	2011	UESWWWN	22	TW528-003	TW137-003/WATFORD (Aubrey)	Etienne	Etienne	Re-test
A000946	2011	UESWWWN	23	TW531-003	SUPERIOR/WATFORD (Aubrey)	Etienne	Etienne	Re-test
A000947	2011	UESWWWN	24	TW572-019	25R23/TW060-075	Etienne	Etienne	New
A000948	2011	UESWWWN	25	TWF559*020	25R23/TWF020-038	Etienne	Etienne	New
A000949	2011	UESWWWN	26	TWF627*053	TWF064-080/WF026-059	Etienne	Etienne	New

2011 Uniform Eastern Soft White Winter Wheat					Dwarfing alleles			Photoperiod Insensitive	Vernalization
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000924	2011	UESWWWN	1	Superior	no	Rht-D1b	no	no	vrn-A1 long
A000925	2011	UESWWWN	2	Envoy	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000926	2011	UESWWWN	3	MSU Line E2041	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000927	2011	UESWWWN	4	MSU Line E6012	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000928	2011	UESWWWN	5	MSU Line E6032	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000929	2011	UESWWWN	7	MSU Line E2043	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000930	2011	UESWWWN	6	MSU Line E8052	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000931	2011	UESWWWN	8	MSU Line E0001	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000932	2011	UESWWWN	9	MSU Line E0009	Rht-B1b	no	no	no	vrn-A1 long
A000933	2011	UESWWWN	10	NY103-208-7263	no	Rht-D1b	no	no	vrn-A1 long
A000934	2011	UESWWWN	11	NY94052-3329	no	Rht-D1b	no	no	vrn-A1 long
A000935	2011	UESWWWN	12	NY99045-3110	no	Rht-D1b	no	no	vrn-A1 long
A000936	2011	UESWWWN	13	NY99066-3025	no	Rht-D1b	no	no	vrn-A1 long
A000937	2011	UESWWWN	14	NY94032-46	no	Rht-D1b	no	no	vrn-A1 long
A000938	2011	UESWWWN	15	Caledonia	no	Rht-D1b	no	no	vrn-A1 long
A000939	2011	UESWWWN	16	Cayuga	no	no	no	no	vrn-A1 long
A000940	2011	UESWWWN	17	VA09W-188WS	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000941	2011	UESWWWN	18	VA09W-192WS	Rht-B1b	no	no	no	vrn-A1 long
A000942	2011	UESWWWN	19	UOGRC19-114B	no	Rht-D1b	no	no	vrn-A1 long
A000943	2011	UESWWWN	20	M07*7001W	no	Rht-D1b	nd	no	vrn-A1 long
A000944	2011	UESWWWN	21	W1062	no	Rht-D1b	no	no	vrn-A1 long
A000945	2011	UESWWWN	22	TW528-003	no	Rht-D1b	no	no	vrn-A1 long
A000946	2011	UESWWWN	23	TW531-003	Rht-B1b	no	no	no	vrn-A1 long
A000947	2011	UESWWWN	24	TW572-019	Rht-B1b	no	Rht8c	no	vrn-A1 long
A000948	2011	UESWWWN	25	TWF559*020	no	Rht-D1b het	no	no	vrn-A1 long
A000949	2011	UESWWWN	26	TWF627*053	no	Rht-D1b	no	no	vrn-A1 long

2011 Uniform Eastern Soft White Winter Wheat

Fusarium Head Blight alleles

ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb Ernie 3Bc	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000924	2011	UESWWWN	1	Superior	no	no	no	no	no
A000925	2011	UESWWWN	2	Envoy	no	no	no	no	no
A000926	2011	UESWWWN	3	MSU Line E2041	no	no	no	no	no
A000927	2011	UESWWWN	4	MSU Line E6012	no	no	no	Fhb 5A Ernie	no
A000928	2011	UESWWWN	5	MSU Line E6032	no	no	no	Fhb 5A Ernie het	no
A000929	2011	UESWWWN	7	MSU Line E2043	no	no	no	no	no
A000930	2011	UESWWWN	6	MSU Line E8052	no	no	no	no	no
A000931	2011	UESWWWN	8	MSU Line E0001	no	no	no	no	no
A000932	2011	UESWWWN	9	MSU Line E0009	no	no	no	no	no
A000933	2011	UESWWWN	10	NY103-208-7263	no	no	no	no	no
A000934	2011	UESWWWN	11	NY94052-3329	no	no	no	no	no
A000935	2011	UESWWWN	12	NY99045-3110	no	no	no	no	no
A000936	2011	UESWWWN	13	NY99066-3025	no	no	no	no	no
A000937	2011	UESWWWN	14	NY94032-46	no	no	no	no	no
A000938	2011	UESWWWN	15	Caledonia	no	no	no	no	no
A000939	2011	UESWWWN	16	Cayuga	no	no	no	no	no
A000940	2011	UESWWWN	17	VA09W-188WS	no	no	no	no	no
A000941	2011	UESWWWN	18	VA09W-192WS	no	no	no	no	no
A000942	2011	UESWWWN	19	UOGRC19-114B	Fhb1	no	no	no	no
A000943	2011	UESWWWN	20	M07*7001W	no	no	no	Fhb 5A Ernie	no
A000944	2011	UESWWWN	21	W1062	no	no	no	no	no
A000945	2011	UESWWWN	22	TW528-003	no	no	no	no	no
A000946	2011	UESWWWN	23	TW531-003	no	no	no	no	no
A000947	2011	UESWWWN	24	TW572-019	no	no	no	no	no
A000948	2011	UESWWWN	25	TWF559*020	no	no	no	no	no
A000949	2011	UESWWWN	26	TWF627*053	no	Fhb Ernie 3Bc?	no	no	no

2011 Uniform Eastern Soft White Winter Wheat

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
A000924	2011	UESWWWN	1	Superior	no	no	no	no	no	no	no	no	no
A000925	2011	UESWWWN	2	Envoy	no	no	no	no	no	no	no	no	no
A000926	2011	UESWWWN	3	MSU Line E2041	no	no	no	no	no	no	no	no	no
A000927	2011	UESWWWN	4	MSU Line E6012	no	no	no	no	no	no	no	no	no
A000928	2011	UESWWWN	5	MSU Line E6032	no	no	no	no	no	no	no	no	no
A000929	2011	UESWWWN	7	MSU Line E2043	no	no	no	no	no	no	no	no	no
A000930	2011	UESWWWN	6	MSU Line E8052	no	no	no	no	no	no	no	no	no
A000931	2011	UESWWWN	8	MSU Line E0001	no	no	no	no	no	no	no	no	no
A000932	2011	UESWWWN	9	MSU Line E0009	no	no	no	no	no	no	no	no	no
A000933	2011	UESWWWN	10	NY103-208-7263	no	no	no	no	no	no	no	no	no
A000934	2011	UESWWWN	11	NY94052-3329	no	no	no	no	no	no	no	no	no
A000935	2011	UESWWWN	12	NY99045-3110	no	no	no	no	no	no	no	no	no
A000936	2011	UESWWWN	13	NY99066-3025	no	no	no	no	no	no	no	no	no
A000937	2011	UESWWWN	14	NY94032-46	no	no	no	no	no	no	no	no	no
A000938	2011	UESWWWN	15	Caledonia	no	no	no	no	no	no	no	no	no
A000939	2011	UESWWWN	16	Cayuga	no	no	no	no	no	no	no	no	no
A000940	2011	UESWWWN	17	VA09W-188WS	no	no	no	no	no	no	no	no	no
A000941	2011	UESWWWN	18	VA09W-192WS	no	Sr36	Pm6	no	no	no	no	no	no
A000942	2011	UESWWWN	19	UOGRC19-114B	no	no	no	no	no	no	no	no	no
A000943	2011	UESWWWN	20	M07*7001W	no	no	no	no	no	no	no	no	no
A000944	2011	UESWWWN	21	W1062	no	no	no	no	no	no	no	no	no
A000945	2011	UESWWWN	22	TW528-003	no	no	no	no	no	no	no	no	no
A000946	2011	UESWWWN	23	TW531-003	no	no	no	no	no	no	no	no	no
A000947	2011	UESWWWN	24	TW572-019	no	no	no	no	no	no	no	no	no
A000948	2011	UESWWWN	25	TWF559*020	no	no	no	no	no	Lr34/Yr18 het	no	no	no
A000949	2011	UESWWWN	26	TWF627*053	no	no	no	no	no	Lr34/Yr18	no	no	no

2011 Uniform Eastern Soft White Winter Wheat					Rye translocations	Hessian Fly alleles				BYDV	Glutenin alleles			Pre-Harvest Sprouting
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Glu-B1	Glu-D1	Glu-A1	PHS Cayuga
A000924	2011	UESWWWN	1	Superior	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	PHS Cayuga?
A000925	2011	UESWWWN	2	Envoy	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	no
A000926	2011	UESWWWN	3	MSU Line E2041	non-1RS	no	no	no	no	no	Bx7oe	2+12	Ax2*	no
A000927	2011	UESWWWN	4	MSU Line E6012	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	no
A000928	2011	UESWWWN	5	MSU Line E6032	non-1RS	no	no	no	no	no	no	2+12	Ax2*	no
A000929	2011	UESWWWN	7	MSU Line E2043	1RS:1BL	no	no	no	no	no	Bx7oe het	het	het	no
A000930	2011	UESWWWN	6	MSU Line E8052	non-1RS	no	no	no	no	no	Bx7oe	5+10	Ax2*	no
A000931	2011	UESWWWN	8	MSU Line E0001	1RS:1BL	no	no	no	no	no	Bx7oe het	het	het	PHS Cayuga het?
A000932	2011	UESWWWN	9	MSU Line E0009	non-1RS	no	no	no	no	no	no	2+12	Ax2*	no
A000933	2011	UESWWWN	10	NY103-208-7263	non-1RS	no	no	no	no	no	no	2+12	Ax2*	PHS Cayuga?
A000934	2011	UESWWWN	11	NY94052-3329	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	no
A000935	2011	UESWWWN	12	NY99045-3110	non-1RS	no	no	no	no	no	no	het	Ax1 or null	PHS Cayuga het?
A000936	2011	UESWWWN	13	NY99066-3025	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	no
A000937	2011	UESWWWN	14	NY94032-46	non-1RS	no	no	no	no	no	Bx7oe het	2+12	Ax1 or null	no
A000938	2011	UESWWWN	15	Caledonia	non-1RS	no	no	no	no	no	no	2+12	Ax2*	no
A000939	2011	UESWWWN	16	Cayuga	non-1RS	no	no	no	nd	no	no	2+12	Ax1 or null	PHS Cayuga?
A000940	2011	UESWWWN	17	VA09W-188WS	non-1RS	no	no	no	no	no	no	2+12	Ax2*	PHS Cayuga?
A000941	2011	UESWWWN	18	VA09W-192WS	1RS:1BL	no	no	no	no	no	no	2+12	Ax1 or null	no
A000942	2011	UESWWWN	19	UOGRC19-114B	non-1RS	no	no	no	no	no	no	5+10	Ax2*	no
A000943	2011	UESWWWN	20	M07*7001W	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	PHS Cayuga?
A000944	2011	UESWWWN	21	W1062	non-1RS	no	no	no	no	no	no	5+10	Ax2*	no
A000945	2011	UESWWWN	22	TW528-003	non-1RS	no	no	no	no	no	no	2+12	Ax2*	no
A000946	2011	UESWWWN	23	TW531-003	1RS:1BL	no	no	no	no	no	no	2+12	Ax2*	no
A000947	2011	UESWWWN	24	TW572-019	non-1RS	no	no	no	no	no	no	2+12	Ax1 or null	no
A000948	2011	UESWWWN	25	TWF559*020	non-1RS	no	no	no	no	no	no	het	Ax1 or null	PHS Cayuga het?
A000949	2011	UESWWWN	26	TWF627*053	1RS:1BL	no	no	no	no	no	no	2+12	Ax1 or null	PHS Cayuga?