

SolCAP Potato Germplasm Panel									
4/1/2008									
Potato Variety/clone	Processing	High SG	Scab Resistant	Late Blight Resistant	Smooth Skin	Introgressed Alleles	Historical	Other traits of interest	Source
53.78				X				unique late blight resistance, <i>S. hougasii</i>	
463-4						X		TBR-BER HYBRID	Rich Novy
A95109-1					X				Rich Novy
A96104-2								long russet, high iron and manganese	Chuck Brown
A97066-42									Shelley
AC9306-9RU								long russet, high iron and manganese	Chuck Brown
Adirondack Blue								Blue skin & flesh	Craig
Adirondack Red								Red skin & flesh	Craig
Alturas		X							Rich Novy
Andover	X								Walter
AO96141-3	X	X	X	X				high yield	Vales
AO96160-3	X	X							Vales
AO96164-1	X	X							Vales
Atlantic	X	X							Walter
Atlantic	X	X					X	IHN Map parent	Craig
AWN86514-2				X					Rich Novy
B1816-5								Pur skn, Y flesh	Craig
B1829-5								IHN Map parent - R	Craig
B2464-1		X				phu, stn		IHN Map parent - S	Craig
B2471-5		X				phu, stn		IHN Map parent - R	Craig
Bannock Russet								DISEASE RESISTANCE	Rich Novy
Beacon Chipper	X								Dave D
Blazer Russet								EARLY RUSSET	Rich Novy
Boulder	X				X	adg		H1 gene	Dave D
CORN-3								Norkotah line selection	Douches
CORN-8								Norkotah line selection	Douches
Dakota Diamond	X	X	X			chc		CPB tolerance	Dave D
Dakota Pearl	X		X		X				Dave D
Defender									Shelley
Early Rose							X		Dave D
EGAO9703-4Y				X				DIPLOID WITH HIGH FREQUENCY OF 2N POLLEN	Rich Novy
Etb 6-21-3						X		PLRV AND APHID RESISTANT	Rich Novy
Eva						adg			Walter
FL1833	X	X							Dave D
FL1867	X								Dave D
FL1879	X								Dave D
FL1922	X		X						Dave D
Garnet Chile							X		Dave D
GemStar Russet								LOW SUGARS	Rich Novy
Green Mountain							X		Walter
Harley Blackwell								IHN R	Craig

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Highland Russet									Rich Novy
Inca Gold								GOOD PARENT FOR SPECIALTY TYPES	Rich Novy
Ivory Crisp	X								Rich Novy
J101									Shelley
Jacqueline Lee		X		X	X	dms		good flavor	Dave D
Katahdin							X		Walter
Kennebec	X			X			X		Walter
Keuka Gold			X						Walter
Klamath Russet			X				Fresh		Vales
Lenape	X	X							Walter
Liberator									Shelley
Marcy	X								Walter
Mazama					X		Fresh	bright red skin	Vales
Michigan Purple					X			high yield	Dave D
MN 02419									Thill
MN 02467									Thill
MN 02574									Thill
MN 02586									Thill
MN 02587									Thill
MN 02588									Thill
MN 02588									Thill
MN 02589									Thill
MN 02689									Thill
MN 15620									Thill
MN 18710									Thill
MN 18747									Thill
MN 19298									Thill
MN 19350									Thill
MN 19470									Thill
MN 96013-1									Thill
MN 96072-4									Thill
MN 96460-21									Thill
MN 99380-1									Thill
MN 99460-14									Thill
MN DM 03 1-4									Thill
MN02616									Thill
Modoc					X		Fresh	bright red skin	Vales
Monona	X						X		Walter
Monticello	X	X							Walter
MSA133-57 (2x)						phu, chc			Dave D

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MSG227-2	X		X						Dave D
MSH228-1	X		X					moderate scab resistance	Dave D
MSI005-20Y								high yield	Dave D
MSJ036-A	X	X	X						Dave D
MSJ126-9Y	X		X					cold chipping	Dave D
MSJ147-1	X	X			X	tar		cold chipping	Dave D
MSJ461-1	X			X		adg, dms		H1 gene	Dave D
MSK061-4	X	X	X						Dave D
MSL211-3			X	X	X			early maturity	Dave D
MSM171-A			X	X				early maturity	Dave D
MSM185-1		X	X			chc		CPB moderate resistance	Dave D
MSQ070-1	X	X	X	X				scab and LB resistance	Dave D
MSR061-1	X		X					PVY and scab resistance	Dave D
MSR160-2Y	X	X	X	X				PVY, LB and scab resistance	Dave D
ND860-2	X					phu		short dormancy	Dave D
Norchip	X						X		Walter
Nordonna					X				Walter
NorDonna					X				Craig
NorValley	X								Dave D
Norwis (FL 657)	X						X		Walter
NY115	X				X				Walter
NY121				X					Walter
NY131						ber		CPB R	Craig
NY235-4						ber		glandular trich	Dave D
NY129			X					red skin	Walter
NY136									Walter
NY138	X		X						Walter
NY139	X	X	X						Walter
NY140	X								Walter
NYE48-2	X					ber		from a trichome x trichome cross	Walter
NY142								purple spectacle	Walter
OR00002-6	X (F. fries)	X				sto	Processing	PVY(sto)	Vales
OR00003-1	X (F. fries)	X				adg	Processing	PVY(adg)	Vales
OR00068-11 (P/P)	X				X		Fresh	Purple Flesh	Vales
PA00N10-5								long russet, cory ringspot	Chuck Brown
PA04LB1-1								round, black dot resistant	Chuck Brown
PA04LNC4-3Y				X				round, yellow flesh, corky ring spot resistant	Chuck Brown
PA98N5-2			X					not russet, M. chitwoodi	Chuck Brown
PA98NM2-3								long russet, corky ringspot	Chuck Brown
PA99N2-1								long russet, corky ringspot	Chuck Brown
PA99N82-4			X					long russet M chitwoodi, M. hapla, corky ringsport, black dot, very good taste	Chuck Brown

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Pike	X	X	X						Walter
POR00HG5-1			X			X		round, black dot, M. chitwoodi	Chuck Brown
POR00LB6-1				X				round, not russet, PVY immune, male fertile	Chuck Brown
POR01PG10-1								purple/purple, anthocyanin rich, phytonutrient rich	Chuck Brown
POR01PG1-6								red/red, anthocyanin rich, phytonutrient rich	Chuck Brown
POR02PG37-2 YF	X				X		Fresh	Yellow Flesh	Vales
POR03PG6-3								round, deep eyes, carotenoid rich, black dot resistant	Chuck Brown
POR04PG22-1(R/R)	X				X		Fresh	Red flesh, fingerling, red/red, phytonutrient rich, anthocyanin rich, black dot resistant	Vales/Brown
Premier Russet (A93157-6LS)								Low sugars	Rich Novy
Ranger Russet									Shelley
Reba	X		X						Walter
Red Norland									Shelley
Red Pontiac									Shelley
Reddale									Shelley
Rosa	X			X		adg			Walter
Russet Burbank									Shelley
Russet Norkotah									Shelley
Salem			X						Walter
Sebago				X			X		Walter
Shepody									Shelley
Snowden	X	X							Walter
Summit Russet		X	X					Long russet, black dot, long dormancy, excellent taste	Chuck Brown
Superior			X				X		Craig
TF75-5 (2x)				x		mcr		S. mcr	Dave D
TXNS112								Norkotah line selection	Douches
TXNS278								Norkotah line selection	Douches
Umatilla Russet	X	X	X	Tuber			Processing		Vales
Vivaldi					X			Good culinary properties	Craig
Wallowa Russet	X	X					Processing	Short dormancy	Vales
White Pearl									Shelley
Willamette	X	X			X	H1	Cold Chippe	H1 gene	Vales
Winema					X		Fresh	Bright red , PVY symptomless	Vales
Wischip	X	X							Dave D
Yukon Gem (NDA5507-3Y)			X	X				Yellow-fleshed	Rich Novy
Yukon Gold									Shelley
Novy 4x mapping population is 125 progeny									
De Jong 2x mapping population is 96 progeny									
Spooner species panel is 57 clones									
Jansky 2x clones are 42									
Approximate total is 472									

SolCAP Potato Germplasm Panel

D. Spooner species germplasm panel

	Series (Hawkes)	Species	DNA code	PI	Ploidy
1	<i>Acaulia</i>	<i>Solanum acaule</i>	1	310923	4x
2	<i>Bulbocastana</i>	<i>S. bulbocastanum</i>	2A	347757	2x
3		<i>S. clarum</i>	3A	275202	2x
4	<i>Circaeifolia</i>	<i>S. circaeifolium</i>	4B	498120	2x
5	<i>Commersoniana</i>	<i>S. commersonii</i>	5	243503	2x
6	<i>Conicibaccata</i>	<i>S. agrimonifolium</i>	6	243349	4x
7		<i>S. chomatophilum</i>	7	310991	2x
8		<i>S. colombianum</i>	8	473462	4x
9		<i>S. flahaultii</i>	9B	566805	4x
10		<i>S. longiconicum</i>	10	186568	4x
11		<i>S. moscopanum</i>	11	567824	6x
12		<i>S. paucijugum</i>	12	561643	4x
13		<i>S. violaceimarmoratum</i>	13	473396	2x
14	<i>Cuneoalata</i>	<i>S. infundibuliforme</i>	14	472857	2x
15	<i>Demissa</i>	<i>S. brachycarpum</i>	15	275183	6x
16		<i>S. demissum</i>	16	558482	6x
17		<i>S. schenckii</i>	17	275261	6x
18	<i>Lignicaulia</i>	<i>S. lignicaule</i>	18	473351	2x
19	<i>Longipedicellata</i>	<i>S. fendleri</i>	19	497994	4x
20		<i>S. hjertingii</i>	20	186559	4x
21		<i>S. stoloniferum</i>	21	558453	4x
22	<i>Maglia</i>	<i>S. maglia</i>	22A	245087	2x,3x
23	<i>Megistacroloba</i>	<i>S. boliviense</i>	23B	597736	2x
24		<i>S. megistacrolobum</i>	24	545979	2x
25		<i>S. raphanifolium</i>	25	265862	2x
26	<i>Morelliformia</i>	<i>S. morelliforme</i>	26	275218	2x
27	<i>Pinnatisecta</i>	<i>S. brachistotrichum</i>	27	255527	2x
28		<i>S. cardiophyllum</i>	28A	595465	2x
29		<i>S. cardiophyllum</i> subsp. <i>ehrenbergii</i>	28B	184762	2x
30		<i>S. jamesii</i>	29	458424	2x
31		<i>S. pinnatisectum</i>	30	347766	2x
32		<i>S. trifidum</i>	31	255536	2x
33	<i>Piurana</i>	<i>S. albornozii</i>	32	498206	2x
34		<i>S. tuquerrense</i>	33	567849	4x
35	<i>Polyadenia</i>	<i>S. polyadenium</i>	34	161728	2x
36	<i>Tuberosa</i>	<i>S. andreanum</i>	35	320345	2x
37		<i>S. berthaultii</i>	36	265857	2x
38		<i>S. brevicaule</i>	37B	498115	2x
39		<i>S. bukasovii</i>	38	266385	2x
40		<i>S. gandarillasii</i>	39	265866	2x
41		<i>S. huancabambense</i>	40	458400	2x
42		<i>S. immite</i>	41A	365330	2x

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D. Spooner species germplasm panel

43		<i>S. kurtzianum</i>	42	472923	2x
44		<i>S. leptophyes</i>	43	458378	2x
45		<i>S. microdontum</i>	44	500036	2x
46		<i>S. oplocense</i>	45A	435079	6x
47			45B	442693	4x
48		<i>S. sparsipilum</i>	46	310957	2x
49		<i>S. verrucosum</i>	47B	161173	2x
50	<i>Yungasensa</i>	<i>S. chacoense</i>	48	275138	2x
51		<i>S. tarijense</i>	49	442689	2x
52	Sect. <i>Etuberosum</i>	<i>S. etuberosum</i>	50	498311	2x
53		<i>S. palustre</i>	51	558233	
54	<i>Polyadenia</i>	<i>S. lesteri</i>	52	442694	2x
55	<i>Olmosiana</i>	<i>S. olmosense</i>	53	CIP 761589	2x
56	<i>Ingifolia</i>	<i>S. raquialatum</i>	54	CIP 761863	2x
		<i>S. raquialatum</i>	54	CIP 761864	2x
57	<i>Tuberosa</i>	<i>S. simplicimum</i>	55	CIP 762233	2x
		<i>S. simplicimum</i>	55	CIP 762896	2x

SolCAP Potato Germplasm Panel

S. Jansky germplasm panel

DIPLOIDS

Clonal ID	Parentage
H25 pot 1	[US-W 973 (Wis AG 231) x chc] x rap 296126
H28-5	[US-W 973 (Wis AG 231) x chc] x rap 310998
H28-6	[US-W 973 (Wis Ag 231) x chc] x rap 310998
H28-7	[US-W 973 (Wis AG 231) x chc] x rap 310998
H28-10	[US-W 973 (Wis AG 231) x chc] x rap 310998
GH28-18	[US-W 973 (Wis AG 231) x chc] x rap 310998
97-30124-3	(US-W5536.7 x 8030.8) x [(US-W 973 (Wis Ag 231) x chc) x rap 310998]
plain female	US-W 973 (Wis AG 231) x chc
D1-42	Full sib crosses of H28 clones [US-W 973 (Wis AG 231) x chc] x rap 310998
D1-59	Full sib crosses of H28 clones [US-W 973 (Wis AG 231) x chc] x rap 310998
D2-50	Full sib crosses of H28 clones [US-W 973 (Wis AG 231) x chc] x rap 311998
D4-33	Full sib crosses of H28 clones [US-W 973 (Wis AG 231) x chc] x rap 311998
RAH45-2	US-W 357 (Merr) x phu 225673
RAH46-8	US-W 357 (Merr) x rap 210048
RAH49-5	US-W 357 (Merr) x rap 458384
AH57-69	US-W 357 (Merr) x stn 230512
AH60-1	US-W 357 (Merr) x tar 473238
AH66-51	US-W 3694 (Merr) x rap 296126
AH72-2	US-W 3694 (Merr) x stn 230512
AH156-2	US-W 10,349 (Merr) x ver 275250
AH137-1	US-W 10349 (Merr) x med 283081
97-4206-12	[US-W 2836 (Merr) x US-W 5314.3] x D1-73[(US-W 973 (Wis AG 231)x chc) x rap 310998]
97-4095-53(D6)	[US-W 973 (Wis AG 231) x chc] x rap 210048
01-1043-1(R4)	Ham 30-13 [H28-18[(US-W 973 (Wis Ag 231) x chc) x rap 310998] x Yoshi's F1-1 old] x 97-4198-2 [[8054.6 [US-W 751 (Wis Ag 231) x US-W 42 (chip)]] x D1-73 [US-W 973 (Wis Ag 231) x chc] rap 310998]]
01-1076-2(R5)	DAH 65-1 (US-W 3694 (Merr) x phu 225673) x RAH 60-12 (US-W 357 (Merr) x tar 473238)
01-1077-2(R5)	DAH 65-1 (US-W 3694 (Merr) x phu 225673) x AH 60-20 (US-W 357 (Merr) x tar 473238)
01-1079-2(R4)	DAH 65-1 (US-W 3694 (Merr) x phu 225673) x D3-38 [(US-W 973 (Wis AG 231) x chc) x rap 310998]]
01-1079-4(R6)	DAH 65-1 (US-W 3694 (Merr) x phu 225673) x D3-38 [(US-W 973 (Wis AG 231) x chc) x rap 310998]]
01-1095-1(R5)	RAH 106-4 (US-W 4056 (Merr) x phu 225673) x AH 60-1 (US-W 357 (Merr) x tar 473238)
01-1106-4(R4)	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
01-1107-2(R4)	AH 122-56(US-W 4056(Merr) x stn 205527) x D3-38 [(US-W 973 (Wis AG 231) x chc) x rap 310998]]
01-1114-2(R4)	97-4211-4 [[D2-39 (US-W 973 (Wis Ag 231) x chc) x rap 310998] x (US-W 9523.21 x US-W 9591.4)] x AH 60 clone (US-W 357 (Merr) x tar 473238)
01-1124-1(R4)	D1-4 [(US-W 973 (Wis AG 231) x chc) x rap 310998]] x AH 60-1 (US-W 357 (Merr) x tar 473238)
02-3273-18	RAH 66-1 (US-W 3694 (Merr) x rap 296126) x RAH 60-12 (US-W 357 (Merr) x tar 473238)
02-3287-5	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3287-6	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3287-14	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3287-28	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3287-32	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3287-39	AH 122-56(US-W 4056(Merr) x stn 205527) x AH 60-20 (US-W 357 (Merr) x tar 473238)
02-3289-9	AH 122-56 (US-W 4056(Merr) x stn 205527) x 97-30124-3 [(US-W 973 (Wis Ag 231) x chc) x rap 310998]
02-3289-19	AH 122-56 (US-W 4056(Merr) x stn 205527) x 97-30124-3 [(US-W 973 (Wis Ag 231) x chc) x rap 310998]
02-3289-28	AH 122-56 (US-W 4056(Merr) x stn 205527) x 97-30124-3 [(US-W 973 (Wis Ag 231) x chc) x rap 310998]

SoICAP Potato Germplasm Panel

S. Jansky germplasm panel

TETRAPLOIDS

Clonal ID	Parentage
00-3068-1	D1-62[(US-W 973 (Wis AG 231) x chc) x rap 310998] x W1351
97-4177-2	Ham 22-1[GH27-7[W870 x [(US-W973 (Wis AG 231) x chc) x tar 473336]] x W1005
00-30006-1	Ham 27-2[H25[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W870] x W870
97-4183-2	Ham 29-1[H25-15[(US-W 973(Wis AG 231) x chc) x rap 296126] x Atlantic] x Ranger Rus
97-4150-1	Atlantic x AH 60-22[US-W 357 (Merr) x tar 473238]
97-4148-3	Yukon Gold x AH 60-20[US-W 357 (Merr) x tar 473238]
00-3056-1	W1431 x AH 60-20[(US-W 357 (Merr) x tar 473238)]
97-4178-51(D7)	Ham 27-2[H25[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W870] x W1005
00-3078-6	W1242 x 97-4178-50[Ham 27-2[H25[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W870] x W1005]
00-3115-2	W1355-1 xHam 28-7 [H25-9[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W1005]
00-3115-5	W1355-1 x Ham 28-7[H25-9[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W1005]
00-3115-9	W1355-1 xHam 28-7 [H25-9[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W1005]
00-3115-11	W1355-1 x Ham 28-7[H25-9[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W1005]
00-30001-7	W1421 x Ham 27-3[H25[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W870]
00-30002-6	W2504-9 x Ham 27-3[H25[(US-W 973 (Wis AG 231) x chc) x rap 296126] x W870]
99-30002-12	Katahdin x Libertas 423662
98-3189-3	Atlantic x 203899
00-30013-2	PI 499999 x W2504-9
93-1142-6	Katahdin x (grl, 4x 320322)
93-1158	(chc WRF 888 (175401 x 175443)) x ADX 497-1
93-1237	1904 (252 brd. 218228+tbr. 203900) x Monona
93-1317	[4711 (206 brd. 218228+tbr 203900) x (6x) X Katahdin] x Katahdin
Ham 28-1	H25-9[(US-W 973 (Wis Ag 231) x chc) x rap 296126] x W1005
Ham 28-8	H25-9[(US-W 973 (Wis Ag 231) x chc) x rap 296126] x W1005
03-3032-12	W 1812-22 x 97-4182-2 [Snowden x Ham 29-1[H25-15[(US-W 973 (Wis AG 231) x chc) x rap 296126] x Atl]
03-3063-3	W1812-22 x 00-4227-5 [98-4114-1 [Ham 37-1 [AH50-5 (US-W 357 (Merr) x rap 473371) x Ranger Russet] x Ranger Russet] x W1151rus]