

TreeID	Variety	Run 2 DNA
1bct001sw	unique unknown	unique unknown
2lwt002	Cortland	Cortland
2lwt004	Jonathan	Jonathan
2lwt005	unknown, "Summer Sweet", blueberry group	unknown, matches schj017, 2lwt025, 2 samples
2lwt006	Northwest Greening	Northwestern Greening/Virginia Greening
2lwt007	Baldwin	Baldwin-SSE6
2lwt00b	unique unknown	unique unknown
2lwt010	unique unknown	unique unknown
2lwt011	Baldwin	Baldwin-SSE6
2lwt015	Delicious	Delicious
2lwt016	unique unknown	unique unknown, some similarities to wilt019
2lwt022	Jonathan	Jonathan
2lwt023	unique unknown	unique unknown
2lwt024	Jonathan	Jonathan
2lwt025	unknown, "Summer Sweet", blueberry group	unknown, matches schj017, 2lwt005, 2 samples
2lwt033	MacIntosh Red	McIntosh Red
andt019	Ben Davis	Ben Davis
andt021	Jefferis	Jefferis
baef002	unique unknown	unique unknown
baut001	unknown, yellow group	unknown, matches baut002, baut003, doed010
baut002	unknown, yellow group	unknown, matches baut001, baut003, doed010
baut003	unknown, yellow group	unknown, matches baut002, baut001, doed010
baut004	unique unknown	unique unknown
br3aa03	unknown, salmon group	unknown, matches br3dd15, salmon group
br3aa15	Delicious	Delicious
br3c006	unique unknown	unique unknown
br3cc04	Wagener	Wagener
br3dd15	unknown, salmon group	unknown, matches br3aa03, salmon group
br3e009	unique unknown	unique unknown
br3f006	Wagener	Wagener
br3ff15	unknown crab, carnation group-like	unknown, similar to gr3dd002, gr3f002, ca2g01
br3g012	unique unknown	unique unknown
br3i011	unknown, bold green group	unknown, matches br3z010, bold green group
br3k009	Maiden Blush	Maiden's Blush
br3l009	Wagener	Wagener
br3o009	Wagener	Wagener
br3o010	Wagener	Wagener
br3q009	Wagener	Wagener
br3s007	Wagener	Wagener
br3s008	Wagener	Wagener
br3t009	Maiden Blush	Maiden's Blush
br3t011	unique unknown	unique unknown
br3u010	Wagener	Wagener
br3u012	Wagener	Wagener

TreeID	Variety	Run 2 DNA
br3v011	Wagener	Wagener
br3w010	Wagener	Wagener
br3w013	Sweet Bough	Sweet Bough
br3x002	unknown, clover group	unknown, matches schh019, clover group
br3x011	Wagener	Wagener
br3y003	unique unknown	unique unknown, similar to br3aa03, br3dd15
br3z010	unknown, bold green group	unknown, matches br3i011, bold green group
br5t001	unique unknown	unique unknown
ca2a001	Jonathan	Jonathan
ca2a007	unique unknown	unique unknown
ca2b002	unique unknown	unique unknown
ca2b006	Yellow Bellflower	Yellow Bellflower
ca2b007	Yellow Bellflower	Yellow Bellflower
ca2c003	Fameuse/Snow	Fameuse
ca2c005	Chenango Strawberry	Chenango Strawberry
ca2c010	Gravenstein	Gravenstein Washington
ca2c011	MacIntosh Red	McIntosh Red
ca2e001	Bietigheimer	Bietigheimer/Sweet Pippin/Surprise
ca2e005	Delicious	Delicious
ca2e008	unique unknown	unique unknown
ca2g008	Gravenstein	Gravenstein Washington
ca2g010	Gravenstein	Gravenstein Washington
ca2g014	unknown crab, carnation group	unknown, matches gr3d002, gr3f002, hesm008
ca2h002	Jonathan	Jonathan
ca2i002	Chenango Strawberry	Chenango Strawberry
ca2j001	Jonathan	Jonathan
camg001	unique unknown	unique unknown
camh001	Jonathan	Jonathan
camr004	unique unknown	unique unknown
coewage	unique unknown	unique unknown
coua002	unknown, purple group	unknown, matches cria011, freb007, freo007,
coue002	Ben Davis	Ben Davis
couf001	Ben Davis	Ben Davis
coug008	Ben Davis	Ben Davis, error on DNA sample list, listed as
coui009	Delicious	Delicious
coul007	unknown, cayenne group	unknown, matches miln009, cayenne group
cria001	Ben Davis	Ben Davis
cria008	Ben Davis	Ben Davis
cria011	unknown, purple group	unknown, matches coua002, freb007, freo007,
crib011	White Winter Pearmain	White Winter Pearmain
dalj002	unknown, cherry red group	unknown, matches 4 samples University of WY
dalk002w	King David	King David
decd005	Northwest Greening	Northwestern Greening/Virginia Greening
doeb010	unique unknown	unique unknown

TreeID	Variety	Run 2 DNA
doed009	unknown, ocean group	unknown, matches gra0017, but both with
doed010	unknown, yellow group	unknown, matches baut002, baut003, baut001,
doteast	unique unknown	unique unknown
dotwest	unique unknown	unique unknown
eckg002	Ben Davis	Ben Davis
eckh001	Baldwin	Baldwin-SSE6
eckh008	Baldwin	Baldwin-SSE6
epps001	Saint Lawrence	Saint Lawrence
eppv004	unique unknown	unique unknown
fela003	MacIntosh Red-like	McIntosh Red-like
feli001	Wagener	Wagener
fell008	MacIntosh Red	McIntosh Red
felm003	unique unknown	unique unknown
feln003	Primate	Primate
felo003	unique unknown	unique unknown
felp010	unique unknown	unique unknown
felq005	MacIntosh Red	McIntosh Red
felq011	Golden Delicious-like	Golden Delicious-like
flot001	unique unknown	unique unknown
frab006	Delicious	Delicious
frab008	Winesap	Winesap
frag004	Ben Davis	Ben Davis
frai004	Ben Davis	Ben Davis
frai006	Ben Davis	Ben Davis
frai009	unknown, bold purple group	unknown, matches frai007, ismt003, pennock2,
frai007	unknown, bold purple group	unknown, matches frai009, ismt003, pennock2,
fram006	Ben Davis	Ben Davis
frea009	Ben Davis	Ben Davis
freb007	unknown, purple group	unknown, matches cria011, coua002, freo007,
freb009	unique unknown	unique unknown
free006	unknown, red group	unknown, matches schd020, schh026, we2b00:
freh008	Senator	Senator
frei009	Ben Davis	Ben Davis
frek006	unknown, turquoise group	unknown, matches hofm002, near match to
freI009	Paragon/Black Twig	Paragon/Black Twig
frem006	Yellow Bellflower	Yellow Bellflower
frem009	Ben Davis	Ben Davis
freo007	unknown, purple group	unknown, matches cria011, freb007, coua002,
freo009	Paragon/Black Twig	Paragon/Black Twig
frep008	Wolf River	Wolf River/Bismark
frep009	Ingram	Ingram
frer009	Ingram	Ingram
fres009	Ben Davis	Ben Davis
frut001	unknown	sample missing

TreeID	Variety	Run 2 DNA
gafc001	unknown, bold magenta group	unknown, matches sc3c002-unk, sc3e002-win,
gafh001	unique unknown	unique unknown
gr3c003	unknown, bold brown group	unknown, matches jact018, steh004, bold brow
gr3d002	unknown crab, carnation group	unknown, matches gr3f002, ca2g014, hesm008
gr3f002	unknown crab, carnation group	unknown, matches gr3d002, ca2g014, hesm008
gra0002	Late Strawberry/Autumn Strawberry	Late Strawberry, matches gra0015 but with a lo
gra0003	unique unknown	unique unknown
gra0004	Whitney Crab	Whitney Crab
gra0005	Maiden Blush	Maiden's Blush
gra0006	unknown, bold black group	unknown, matches gra0009 but with missing
gra0008	Whitney Crab	Whitney Crab
gra0009	unknown, bold black group	unknown, matches gra0006 but with missing
gra0010	unknown, bold yellow group	unknown; matches gra0012 but with missing
gra0011	Yellow Transparent	Yellow Transparent
gra0012	unknown, bold yellow group	unknown; matches gra0010 but with missing da
gra0013	Red Astrachan	Red Astrachan
gra0014	unique unknown	unique unknown
gra0015	Late Strawberry-like	unknown, matches gra0002 but with a lot of
gra0016	unique unknown	unique unknown
gra0017	unknown, ocean group	unknown, matches doed009, but both with
gra0018	unique unknown	unique unknown
gra0020	unique unknown	unique unknown
gra0021	unknown, forest green group	unknown; matches gra0024 but with missing
gra0022	unique unknown	unique unknown
gra0024	unknown, forest green group	unknown; matches gra0021 but with missing
ha2c001	Delicious	Delicious
ha2c005	unknown, turquoise group-like	unknown, near match to frek006, hofm002,
ha6b001	Gravenstein	Gravenstein Washington
ha6d021	unique unknown	unique unknown
ha6h022	Chenango Strawberry	Chenango Strawberry
ha6j019	Gravenstein	Gravenstein Washington
ha6k013	Wagener	Wagener
ha6r011	Northern Spy	Northern Spy
ha6r019	unknown, hot pink group	matches one sample University of WY, hot pink
hesa002	Virginia Crab	Virginia Crab
hesaa02	Fameuse-like	unknown, Fameuse-like
hesb001	unknown, bold salmon group	matches 2 samples University of WY, bold
hesbb01	Wealthy	Wealthy
hesc004	unknown, bold cyan group	unknown, matches hesk004, bold cyan group
hesd009	Wealthy	Wealthy
hesdd03	Wealthy	Wealthy
hesdd07	Hibernal	Hibernal
hesf007	Wealthy	Wealthy
hesf009	Wealthy	Wealthy

TreeID	Variety	Run 2 DNA
hesh003	unique unknown	unique unknown
hesj001	MacIntosh Red	McIntosh Red
hesj003	poss Tetofsky	Tetofsky (TOC reference source)
hesk002	unknown, "Blue Blush" group	BlueBlush??(not blush or pearmain), matches 3
hesk004	unknown, bold cyan group	unknown, matches hesc004, bold cyan group
hesl005	MacIntosh Red	McIntosh Red
hesm006	unknown, bold blue group	unknown, matches hesw006, bold blue group
hesm008	unknown crab, carnation group	unknown, matches gr3d002, ca2g014, gr3f002,
hesmgi1	unique unknown	unique unknown
hesn003	Wealthy	Wealthy
hesn005	Wealthy	Wealthy
hesq002	unknown crab, brown group	unknown, matches schi024, 3 samples Univers
hest005	Wealthy	Wealthy
hesu004	Northwest Greening	Northwestern Greening/Virginia Greening
hesv001	unknown, sage group	unknown, matches 2 samples University of WY
hesw006	unknown, bold blue group	unknown, matches hesm006, bold blue group
hesx003	Wealthy	Wealthy
hesx005	Hibernal	Hibernal
hesx009	Virginia Crab	Virginia Crab
hesz007	Hibernal	Hibernal
hofa006	unknown, lime group	unknown, matches hofn002, hofa002, hofp002,
hofc004	Early Strawberry	Early Strawberry
hofd003	Northern Spy	Northern Spy
hofe002	Northern Spy	Northern Spy
hofh004	Early Strawberry	Early Strawberry
hofj004	Early Strawberry	Early Strawberry
hofk002	unique unknown	unique unknown
hofk004	Early Strawberry	Early Strawberry
hofk005	Chenango Strawberry	Chenango Strawberry
hofk006	Early Strawberry	Early Strawberry
hofl005	Chenango Strawberry	Chenango Strawberry
hofl006	Early Strawberry	Early Strawberry
hofl007	Winter Banana	Winter Banana/Banana Apple
hofm002	unknown, turquoise group	unknown, matches frek006, near match to
hofn002	unknown, lime group	unknown, matches hofa006, hofa002, hofp002,
hofo002	unknown, lime group	unknown, matches hofn002, hofa006, hofp002,
hofp002	unknown, lime group	unknown, matches hofn002, hofa002, hofa006,
hofr002	unique unknown	unique unknown
hofr004	Gravenstein	Gravenstein Washington
hofs001	unique unknown	unique unknown
hofs002	unknown, lime group	unknown, matches hofn002, hofa002, hofp002,
hofs005	unknown, lime group	unknown, matches hofn002, hofa002, hofp002,
hofs006	Tolman Sweet	Talman's Sweeting
hoft001	unique unknown	unique unknown

TreeID	Variety	Run 2 DNA
hofu001	unique unknown	unique unknown
hont001	Delicious	Delicious
hont002	unique unknown	unique unknown
ismt003	unknown, bold purple group	unknown, matches frai007, frai009, pennock2,
jact018	unknown, bold brown group	unknown, matches gr3c003, steh004, bold brov
jact019	unique unknown	unique unknown
jact020	unknown	sample missing
jont001	poss Sops of Wine	Sops of Wine (TOC reference source)
jont002	poss Sops of Wine	Sops of Wine (TOC reference source)
jont003	poss Sops of Wine	Sops of Wine (TOC reference source)
koct001	unique unknown	unique unknown
koct002	unique unknown	unique unknown
koct003	Jonathan	Jonathan
koct004	Ben Davis	Ben Davis
koct005	Ben Davis	Ben Davis
kroc001n	Wolf River	Wolf River/Bismark
kroc002	Wolf River	Wolf River/Bismark
krod001	Jonathan	Jonathan
krod003	Jonathan	Jonathan
kroe003	Northwest Greening	Northwestern Greening/Virginia Greening
mila002	Chenago Strawberry	Chenango Strawberry
mila006	unique unknown	unique unknown
mila007	unknown, tangerine group	unknown, matches mild005, tangerine group
mila008	unique unknown	unique unknown
mila011	Yellow Transparent	Yellowtransparent/White Astrachan/May apple
milb004	Jonathan	Jonathan
milb005	American Summer Pearmain/ "Sara's Polka	American Summer Pearmain
milc005	unique unknown	unique unknown
milc009	Senator	Senator
mild005	unknown, tangerine group	unknown, matches mila007, tangerine group
mild006	Ben Davis	Ben Davis
mild008	Newtown Pippin	Newtown Pippin
milf002	poss Apple of Commerce, poss Early Harvest	Apple of Commerce?Early Harvest
milf003	unknown, purple group	unknown, matches cria011, freb007, freo007,
milf007	unique unknown	unique unknown
milg002	unique unknown	unique unknown
milh001	Delicious	Delicious
milh008	unique, unknown, yellow ribbed	unique unknown
milh009	unique unknown	unique unknown
mili005	Grimes Golden	Grimes Golden
mili006	unique unknown, poss seedling	unique unknown
mili008	Saint Lawrence	Saint Lawrence
milj007	unknown, nickel group	unknown, matches we2w004, nickel group
milj009	Jonathan	Jonathan

TreeID	Variety	Run 2 DNA
milj011	Sweet Bough	Sweet Bough
milj012	unknown, mocha group	unknown, matches we2bb07, mocha group
mill002	Whitney Crab/"Summer Snow"	Whitney Crab
mill014	Wolf River	Wolf River/Bismark
miln009	unknown, cayenne group	unknown, matches coul007, cayenne group
mily004	White Winter Pearmain	White Winter Pearmain
mily005	unknown crab, brown group-like	unknown, similar to hesq002, schi024, 3 sample
mily014	Yellow Transparent	Yellow Transparent
musa003	unknown, bold orange group	unknown, matches musc003, bold orange group
musc003	unknown, bold orange group	unknown, matches musa003, bold orange group
musc004	Wolf River	Wolf River/Bismark
musf004	Wolf River	Wolf River/Bismark
musg004	Wolf River	Wolf River
mush002	Ben Davis	Ben Davis
mush004	unknown, baby blue group	unknown, matches musj004, 2 samples
musj004	unknown, baby blue group	unknown, matches musj004, 2 samples
neab001	unknown, orchid group-like	unknown, matches waym004, wayn002,
nrtd001	unique unknown	unique unknown
olsa001	poss Stayman Winesap	Stayman's Winesap/Virginia Beauty
olsc002	unique unknown	unique unknown
olspas1	unique unknown, likely seedling	unique unknown
olspas2	unique unknown, likely seedling	unique unknown
ostt014	Ben Davis	Ben Davis
pennock 2	unknown, bold purple group	unknown, matches frai007, ismt003, frai009,
pennock1	MacIntosh Red	McIntosh Red
pret001	Delicious	Delicious
pret002	Newtown Pippin	Newtown Pippin
pria003	Crimson Beauty	Crimson Beauty
pria005	Wealthy	Wealthy
pria007	Winter Banana	Winter Banana/ Banana Apple
pria008	poss Duchess of Oldenburg	Dutchess
prib004	poss Summer Rambo	Rambo-like
rilcolo	Ben Davis	Ben Davis
rildonu	Delicious	Delicious
sc3a004-mac	MacIntosh Red	McIntosh Red
sc3a004-unk	unique unknown	unique unknown
sc3b001-jon	Jonathan	Jonathan
sc3b001-rom	Rome	Rome Beauty Law
sc3b001-unk	Jonathan	Jonathan
sc3b002-che	Chenango Strawberry	Chenango Strawberry
sc3b002-gol	Golden Delicious	Golden Delicious
sc3b002-unk	Jonathan	Jonathan
sc3b003-mac	unique unknown	unique unknown
sc3b003-sno	Fameuse/Snow	Fameuse

TreeID	Variety	Run 2 DNA
sc3b005-gan	Ben Davis	Ben Davis
sc3b005-unk	Whitney Crab	Whitney Crab
sc3c001-thu	Thunderbolt/Hoover	Hoover
sc3c001-wol	Wolf River	Wolf River
sc3c001-wwp	White Winter Pearmain	White Winter Pearmain
sc3c002-un1	unique unknown	unique unknown
sc3c002-un2	unknown, bold magenta group	unknown, matches gafc001, sc3e002-win, bold
sc3c003	unique unknown	unique unknown
sc3c004-un1	Red Astrachan	Red Astrachan
sc3c004-un2	Red Astrachan	Red Astrachan
sc3c004-wea	Northern Spy	Northern Spy
sc3d002	unique unknown	unique unknown
sc3d003	unique unknown	unique unknown
sc3e002-gra	Gravenstein	Gravenstein Washington
sc3e002-win	unknown, bold magenta group	unknown, matches gafc001, sc3c002-un2, bold
sc3e003	Orange Pippin/Cox Orange Pippin	OrangePippin,Cox'sOrangePippin
schb017	Jonathan	Jonathan
schb027	Northern Spy	Northern Spy
schc021	Wolf River	Wolf River/Bismark
schc026	unique unknown, poss Frazier's Prolific	unique unknown
schd019	Ben Davis	Ben Davis
schd020	unknown, red group	unknown, matches free006, schh026, we2b002
schd026	unique unknown	unique unknown
sche019	Ben Davis, poss Black Ben	Ben Davis
sche020	Ben Davis, poss Gano	Ben Davis
sche026	unique unknown	unique unknown
schf021	Whitney Crab/"Summer Snow"	Whitney Crab
schf022	MacIntosh Red	McIntosh Red
schg019	likely York, poss Colorado Orange	York
schg020	Whitney Crab/"Summer Snow"	Whitney Crab
schg021	Thunderbolt/Hoover	Hoover
schg022	Grimes Golden	Grimes Golden
schh017	poss Duchess of Oldenburg	Dutchess
schh019	unknown, clover group	unknown, matches br3x002, clover group
schh021	Chenango Strawberry	Chenango Strawberry
schh022	Winesap	Winesap
schh026	unknown, red group	unknown, matches schd020, free006, we2b002
schj017	unknown	Rootstock
schj019	unique unknown	unique unknown
schj020	Ben Davis, poss Gano	Ben Davis
schj024	unknown crab, brown group	unknown, matches hesq002, 3 samples
schj025	Jefferis	Jefferis
schj026	poss Stayman Winesap	Stayman's Winesap/Virginia Beauty
schj017	unknown, "Summer Sweet", blueberry group	unknown, matches 2lwt005, 2lwt025, blueberry

TreeID	Variety	Run 2 DNA
schj018	Wolf River	Wolf River/Bismark
schj023	Yellow Transparent	Yellow Transparent
schj025	Rome	Rome Beauty Law
schk017	White Winter Pearmain	White Winter Pearmain
schk018	Wolf River	Wolf River/Bismark
schk021	Kinnards Choice	Kinnards Choice
schk023	Yellow Transparent	Yellow Transparent
schk024	unique unknown	unique unknown
schk025	Rome	Rome Beauty Law
schk026	Grimes Golden	Grimes Golden
schl017	Thunderbolt/Hoover	Hoover
schl018	unique unknown	unique unknown
schl021	unknown, orange group	unknown, matches we2j009 but with missing
schl022	Winter Banana	Winter Banana/Banana Apple
schl023	Yellow Transparent	Yellow Transparent
schl024	Rome	Rome Beauty Law
schl025	Rome	Rome Beauty Law
schl026	Smith's Cider	Smith's Cider
schm017	Delicious	Delicious
schm018	Wolf River	Wolf River/Bismark
schm020	Jonathan	Jonathan
schm023	Rome	Rome Beauty Law
schm024	poss Apple of Commerce, poss Early Harvest	Apple of Commerce?Early Harvest
schn018	unique unknown, poss Cedar Hill Black	unique unknown
schn020	Jonathan	Jonathan
schn023	Rome	Rome Beauty Law
schn024	Smith's Cider	Smith's Cider
scho018	Jonathan	Jonathan
scho019	Delicious	Delicious
scho020	Golden Delicious	Golden Delicious
schp018	Jonathan	Jonathan
schp019	Delicious	Delicious
schp020	Golden Delicious	Golden Delicious
schq018	Northwest Greening	Northwestern Greening/Virginia Greening
schq019	poss Stayman Winesap	Stayman's Winesap/Virginia Beauty
schq020	Delicious	Delicious
schq027	unique unknown, poss Nero	unique unknown
schr019	Six Finger Jack, seedling	unique unknown
schr020	Noland Winter Honey, seedling	unique unknown
schr027	unique unknown, poss Fall Jeneting	unique unknown
schs027	unique unknown, poss Lankford	unique unknown
scht027	unique unknown, poss Walbridge	unique unknown
scht028	unique unknown, poss Arkansas Beauty	unique unknown
spet001	unknown, bold gray group	matches one sample University of WY, bold gra

TreeID	Variety	Run 2 DNA
spoh022	unique unknown	unique unknown
spor004	Ben Davis	Ben Davis
steb003	Esopus Spitzenburg	Esopus Spitzenburg/Kaighn's Spitzenburg
stec004	unique unknown	unique unknown
steh004	unknown, bold brown group	unknown, matches jact018, we2c003, bold brov
teai011	unique unknown	unique unknown
teaj005	unique unknown	unique unknown
teak003	unique unknown	unique unknown
tiba009	MacIntosh Red	McIntosh Red
tobt001	unique unknown	unique unknown
watt005	Winesap	Winesap
watt008	Ben Davis	Ben Davis
watt009	unique unknown	unique unknown
watt010	unknown, bold purple group	unknown, matches frai007, ismt003, pennock2,
waya005	Jonathan	Jonathan
waya007	unique unknown	unique unknown
waya009n	Rome	Rome Beauty Law
wayb003	Grimes Golden	Grimes Golden
wayb004	Ben Davis	Ben Davis
wayd004	Jonathan	Jonathan
wayh001	White Winter Pearmain	White Winter Pearmain
wayj007	Paragon/Black Twig	Paragon/Black Twig
wayk008	unique unknown	unique unknown
wayl006	Rome	Rome Beauty Law
waym001	Paragon/Black Twig	Paragon/Black Twig
waym004	unknown, orchid group	unknown, matches wayn002, wayn003, orchid
waym007	Paragon/Black Twig	Paragon/Black Twig
wayn002	unknown, orchid group	unknown, matches waym004, wayn003, orchid
wayn003	unknown, orchid group	unknown, matches wayn002, waym004, orchid
wayn005	Wealthy-like	Wealthy-like
wayo002	Wealthy	Wealthy
wayp001	unique unknown	unique unknown
wayp002	unique unknown	unique unknown
wayp003	Wealthy	Wealthy
wayp004	Ralls	Ralls
we2a014	Jonathan	Jonathan
we2a023	Ben Davis	Ben Davis
we2aa01	Winesap	Winesap
we2b002	unknown, red group	unknown, matches free006, schd020, sch026,
we2b016	unknown, purple group	unknown, matches cria011, freb007, freo007,
we2b018	unknown, purple group	unknown, matches cria011, freb007, freo007,
we2b019	Grimes Golden	Grimes Golden
we2bb07	unknown, mocha group	unknown, matches milj012, mocha group
we2cc01	likely York, poss Colorado Orange	York

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we2dd02	unique unknown	unique unknown
we2e014	unknown, bold red group	unknown, matches we2e016, bold red group
we2e016	unknown, bold red group	unknown, matches we2e014, bold red group
we2e019	unique unknown	unique unknown
we2f005	Red Astrachan	Red Astrachan
we2f006	unique unknown	unique unknown
we2f017	American Summer Pearmain/ "Sara's Polka	American Summer Pearmain
we2f018	American Summer Pearmain/ "Sara's Polka	American Summer Pearmain
we2f021	White Winter Pearmain	White Winter Pearmain
we2g006	Wolf River	Wolf River/Bismark
we2g016	American Summer Pearmain/ "Sara's Polka	American Summer Pearmain
we2g019	unique unknown	unique unknown
we2g020	White Winter Pearmain	White Winter Pearmain
we2h004	Jonathan	Jonathan
we2h016	Jonathan	Jonathan
we2h017	Jonathan	Jonathan
we2h022	Jonathan	Jonathan
we2j009	unknown, orange group	matches schl021 but with missing data, orange
we2j012	unique unknown	unique unknown
we2m005	Delicious	Delicious
we2u001	Senator	Senator
we2u008	Senator	Senator
we2v002	Ben Davis	Ben Davis
we2v003	unknown, purple group	unknown, matches cria011, freb007, freo007,
we2w004	unknown, nickel group	unknown, matches milj007, nickel group
we2x004	Jonathan-like	Jonathan-like
we2x006	Jonathan	Jonathan
we2y001	Missouri Pippin	Missouri Pippin
we2y007	likely York, poss Colorado Orange	York
we2z007	Ben Davis	Ben Davis
webii09	Winesap	Winesap
wedb001	Rome	Rome Beauty Law
wedb008	unique unknown	unique unknown
wedf003	Thunderbolt/Hoover	Thunderbolt/Hoover
wedg004	Ben Davis	Ben Davis
wida034	Winter Banana	Winter Banana/Banana Apple
wida036	Ben Davis	Ben Davis
widd027	Yellow Transparent	Yellow Transparent
widi034	Winter Banana	Winter Banana/Banana Apple
widi040	unique unknown	unique unknown
widk034	Winter Banana	Winter Banana/Banana Apple
widq018	poss Stayman Winesap	Stayman's Winesap/Virginia Beauty
wids023	unique unknown	unique unknown
widu014	Rome	Rome Beauty Law

TreeID	Variety	Run 2 DNA
widw013	Jonathan	Jonathan
wilt001	unique unknown	unique unknown
wilt004	unique unknown	unique unknown
wilt012	unique unknown	unique unknown
wilt019	unique unknown	unique unknown, some similarities to 2lwt016