SunII

CORE No. *is*SD-1

Developer

Unknown (Finland)

Pedigree

Maternal: Stjarn(Victory/Crown)
Paternal: Orn(Seger/VenLochow's Gelbhafer)

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 4 (MN236) & 3.5 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Hurdal

CORE No. *is*SD-2

Developer

Unknown (Norway)

Pedigree

Maternal: A90017(Unkown/Unknown)
Paternal: Martin(Grakall/Tador)

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3.5 (MN236) & 0//4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Morgan AC

CORE No. *is*SD-3

Developer

Solomon (Lacombe, Canada)

Pedigree

Maternal: OT526
Paternal: OT764

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Marion Canada

CORE No. *is*SD-4

Developer

Comeau and Dubuc (Quebec, Canada)

Pedigree

Maternal: Q.O.130.4
Paternal: Q.O.51.27

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 0 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Goslin

CORE No. *is*SD-5

Developer

Unknown (Ottawa, Canada)

Pedigree

Maternal: OA952-3
Paternal: 06196

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3.5 (MN236) & 4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Asencao

CORE No. *is*SD-6

Developer

Unknown (Arkansas, USA)

Pedigree

Maternal: Nora
Paternal: Iowa Multiline

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Ajay

CORE No. *is*SD-7

Developer

Wesenberg (USDA ARS Aberdeen)

Pedigree

Maternal: 74Ab1952
Paternal: 74Ab2608

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 0 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Ogle

CORE No. *is*SD-8

Developer

Brown and Jedlinski (USDA ARS Aberdeen)

Pedigree

Maternal: Brave
Paternal: unnamed_336

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 3.5 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Rigodon AC

CORE No. *is*SD-9

Developer

McKenzie and Harder (AAFC Sainte-Foy, Canada)

Pedigree

Maternal: Unnamed_9110
Paternal: Q.O.174.19

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 1.5 (MN236) & 3 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Gem

CORE No. *is*SD-10

Developer

Duerst, Kaeppler, and Forsberg (Wisconsin, USA)

Pedigree

Maternal: WI X6051
Paternal: Ogle

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 1 (MN236) & 1 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Morton

CORE No. *is*SD-11

Developer

McMullen (Fargo, USA)

Pedigree

Maternal: ND8802922
Paternal: IAB605-X

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 2 (MN236) & 0.5 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Marie AC

CORE No. *is*SD-12

Developer

RIH and Harder (AAFC Winnipeg, Canada)

Pedigree

Maternal: Unnamed_4579
Paternal: OT233

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3 (MN236) & 1//4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Dancer CDC

CORE No. *is*SD-13

Developer

Rossnagel (Saskatchewan, Canada)

Pedigree

Maternal: OT344
Paternal: W90279

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 2.5 (MN236) & 3 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Assiniboia

CORE No. *is*SD-14

Developer

Brown (AAFC Winnipeg, Canada)

Pedigree

Maternal: 90GC144
Paternal: Robert

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 0 (MN236) & 0 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Buckskin

CORE No. *is*SD-15

Developer

Unknown (Urbana-Champaign, USA)

Pedigree

Maternal: AC Assiniboia
Paternal: IL92-6728

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 0 (MN236) & 0 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

HiFi

CORE No. *is*SD-16

Developer

McMullen (Fargo, USA)

Pedigree

Maternal: ND90141
Paternal: ND90118

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 0 (MN236) & 0 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

TAM O-301

CORE No. *is*SD-17

Developer

McDaniel (College Station, Texas, USA)

Pedigree

Maternal: AB555
Paternal: Unnamed_7141

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3.5 (MN236) & 3 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Coker 227

CORE No. *is*SD-18

Developer

Harrison (South Carolina, USA)

Pedigree

Maternal: Unnamed_6857
Paternal: Unnamed_6855

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 1.5 (MN236) & 0.5 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Kanota

CORE No. *is*SD-19

Developer

Laude (Kansas, USA)

Pedigree

Maternal: Fulghum
Paternal: Fulghum

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3.5 (MN236) & 4 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Kangaroo

CORE No. *is*SD-20

Developer

Unknown (Adelaide, Australia)

Pedigree

Maternal: Unnamed_15143
Paternal: SV86153

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 4(MN236) & 3.5 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

CI 4706-2

CORE No. *is*SD-21

Developer

Unknown (USDA NSGC)

Pedigree

Maternal: Unknown
Paternal: Unknown

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 3+(MN236) & 3 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Tardis

CORE No. *is*SD-22

Developer

Unknown (Aberystwuth, UK)

Pedigree

Maternal: 87-42Cn1/2/2/1/1
Paternal: 95-69RCn

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 1.5 (MN236) & 2 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Buffalo

CORE No. *is*SD-23

Developer

Unknown (Aberystwuth, UK)

Pedigree

Maternal: 85-47CnIII
Paternal: 90-153Acn2

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 4 (MN236) & 3 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order

Maverick

CORE No. *is*SD-24

Developer

Wesenberg (USDA ARS Aberdeen)

Pedigree

Maternal: 80Ab988
Paternal: Monida

Detailed pedigree from POOL

Descriptors

Agronomics

Growth Habit: Spring
Plant Height:
Maturity:

Disease Resistance

Crown Rust (IT): 2 (MN236) & 2 (MN245)
Stem Rust:
BYDV:

Milling

TWT (Kg/hL):
NKW (g):
Plump (%):
Thins (%):
Codema Groat (%):

Quality

Beta glucan (%):
TDF (%):
Avenanthrimide:
α-Tocopherol:
α-Tocorienol:

Clade

Dendrogram position from global analysis
Nearest neighbors

Kayrotype

Non-translocation, 7c-17 translocation or other

QTL

Trait (Crown rust resistance)
Markers and interval
Effect
Variance explained

Request 5g pure seed order