

# May 2025 SoyBase Update



## New tool at SoyBase: Allele Search

The SoyBase team has recently created a new tool to assist the soybean research community. SoyBase has collected a representative sample of sequence variant collections ( [VCF files](#) ) from multiple studies including; SoySNP50K from [Song et al., 2015](#) and GmHapMap from [Torkamaneh et al., 2019](#) and many more. *When using the Allele Search Tool it is important to ensure the gene ID (Step 2) matches the genome version.*

## Allele Search

**Step 1. Select a variant collection. Note that there are three reference assemblies to choose from.**

Wm82.gnm4.div.Song\_Hyten\_2015

Synopsis: VCF and HapMap files containing genotype information of the whole U.S. soybean germplasm collection using the SoySNP50K BeadChip.

**Step 2. Enter gene ID and size of left and right flanking regions...**

Enter gene name

e.g glyma.Wm82.gnm4.ann1.Glyma.16G040000

Enter flanking region

e.g 50000

SEARCH

## Downloadable output

### Allele Search

glyma.Wm82.gnm4.ann1.Glyma.16G040000

**Region searched:**

glyma.Wm82.gnm4.Gm16: 3637736 - 3839207

CHROMOSOME	VARIANT ID	POSITION	REF	ALT
glyma.Wm82.gnm4.Gm16	ss715624936	3665302	G	A
glyma.Wm82.gnm4.Gm16	ss715624979	3699838	A	G
glyma.Wm82.gnm4.Gm16	ss715625000	3723656	G	T
glyma.Wm82.gnm4.Gm16	ss715625005	3727020	G	A

CLOSE

EXPORT TXT

EXPORT CSV

## Soybean Community Deadlines

### Soybean Carrer Awards

Nomination packets are to be emailed to the SoyGEC chair by **June 1st**.

### Soy2025 Abstract Submission Deadline

The submission deadline for abstracts to be included in the program book is **June 16, 2025**.

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**Soy2025**  
July 23-26, 2025  
Madison, WI  
**Registration Open!**

**Soybean Breeders Tour**  
September 3-5, 2025  
Tifton, GA  
**Registration Open!**

**SBW 2026**  
February 16 - 18, 2026  
St. Louis, MO  
**Save the Date!**



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