




Entering Genotypes to StuartWeb

For researchers doing their own genotyping, or who have selected not to automatically upload genotypes from Garvan Molecular Genetics, genotypes can be manually entered using the *Animal Details* window in Stuart Web.

Why enter genotypes into Stuart Web?

Entering genotype results to Stuart Web will allow you to keep track of your breeding and easily see which animals carry the desired genes. Stuart Web will keep a permanent record of these genotypes, and they will be visible to anyone else associated with you on Stuart Web (for example, your team mates).

Entering genotypes will also allow ABR Animal Technicians to select animals for breeding according to the *Line Instructions*.

You can use the  arrows on the column heading in *Animal View* to sort the animals according to genotype.

To Enter Genotypes

Select the line you wish to enter genotypes for in the *Animal View* tab of StuartWeb. Select the desired animal by clicking the *Animal ID*, this will open the *Animal Details* view.

If you want to enter genotypes for multiple animals (with the same genotype) you can use the right *View Selected* tick boxes on the hand side and *Details of Animals* button.

BALB/c-Fox1nuAusb

Sex: Male Female Males & Females

Status: Alive Dead or Alive

Show 100 entries

Search within animals:

Animal ID	Pair	Litter	Sex	DOB	DateIdentified	Genotype	Status	ContainerID	Zone Name	Origin	Comments	Traffic Light Colour	Select
53734	7111	2	F	Jul 16 2020	Aug 03, 2020	balb/c	B	1142588	JK(B11)				<input type="checkbox"/>
53733	7038	3	F	Jul 16 2020	Aug 03, 2020	balb/c	B	1142588	JK(B11)				<input type="checkbox"/>
53732	6977	3	F	Jul 16 2020	Aug 03, 2020	balb/c	B	1142588	JK(B11)				<input type="checkbox"/>
53731	6960	4	F	Jul 16 2020	Aug 03, 2020	balb/c	B	1142588	JK(B11)				<input type="checkbox"/>
53730	7115	2	F	Jul 15 2020	Aug 03, 2020	balb/c	B	1142572	JK(B11)				<input type="checkbox"/>
53729	7142	1	F	Jul 12 2020	Aug 03, 2020	balb/c	B	1142572	JK(B11)				<input type="checkbox"/>
53728	7095	2	F	Jul 12 2020	Aug 03, 2020	balb/c	B	1142572	JK(B11)				<input type="checkbox"/>
53727	7148	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142572	JK(B11)				<input type="checkbox"/>
53726	7145	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142572	JK(B11)				<input type="checkbox"/>
53725	7144	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142540	JK(B11)				<input type="checkbox"/>
53724	7141	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142540	JK(B11)				<input type="checkbox"/>
53723	7139	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142540	JK(B11)				<input type="checkbox"/>
53722	7128	1	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142540	JK(B11)				<input type="checkbox"/>
53721	7109	2	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142540	JK(B11)				<input type="checkbox"/>
53720	7107	2	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142433	JK(B11)				<input type="checkbox"/>
53719	7097	2	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142433	JK(B11)				<input type="checkbox"/>
53718	7085	2	F	Jul 10 2020	Aug 03, 2020	balb/c	B	1142433	JK(B11)				<input type="checkbox"/>
53717	7085	2	F	Jul 10 2020	Aug 03, 2020	nude	-	1142371	JK(B11)				<input type="checkbox"/>



Animal Details **Genotype** Status/Request Comments

Line: BALB/c-Fox1nuAusb
Animal ID(s): 53717
UAI(s): 3419346

Line	BALB/c-Fox1nuAusb	EthicsNumber	18/36
Sex	F	Breeding Pair	7085
DOB	Jul 10, 2020	Date Identified	Aug 03, 2020
Origin		Line Phenotype	
Arrival			
DOD		Generation	
Traffic Light Colour		Issued	
Transferred		Genotype	nude
Father	52772	Mother	52623

History

Animal ID	Date	Comments	Status	EmployeeID
53717	Aug 3 2020 11:16AM	The GENOTYPE has been changed.		rowjac
53717	Aug 3 2020 10:08AM	Animal created/identified.		rowjac

Click the *Genotype* tab to open the options for selecting the genotype. Use the dropdown list to select the genotype and click *Save Changes*.

Animal Details **Genotype** Status/Request Comments

Line: BALB/c-Fox1nuAusb
Animal ID(s): 53717
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- WT
- nude/nude
- nude/+
- ?
- nude/?
- ✓ nude
- (P)WT
- (P)nude/nude
- (P)nude/+

Animal Details **Genotype** Status/Request Comments

Line: BALB/c-Fox1nuAusb
Animal ID(s): 53717
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BALB/C

nude

nude

Save Changes



The list of alternative genotypes for one gene can be tailored to suit the gene being tracked but generally includes the following options:

WT - wild type for the gene

XXXX/XXXX - homozygous for the gene

XXXX/+ - heterozygous for the gene

? - unknown

XXXX/? - not sure of homozygosity

XXXX - gene of interest is present – not determining if heterozygous or homozygous (P) in front of the above means the genotype is presumed by parentage but genotyping has not been done

My genes are not available what do I do?

The genes associated with each line are designated in the process of uploading the *Line Information* to Stuart Web (via a Service request to *Import Live Mice, Import Frozen Material* or *Transfer Ownership* of a line already at ABR).

If, for whatever reason, this has not occurred correctly please notify ABR using enquiries@abr.org.au and include the details of the line name and genes that are missing. ABR will contact you when the gene/s have been added to the line or if further information is required.