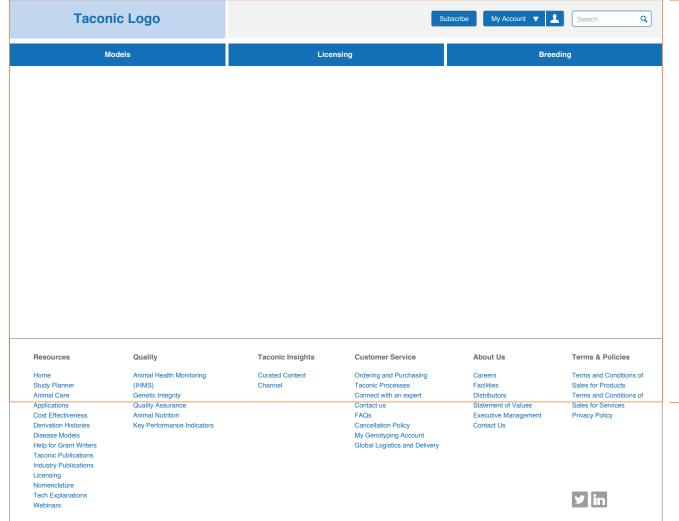
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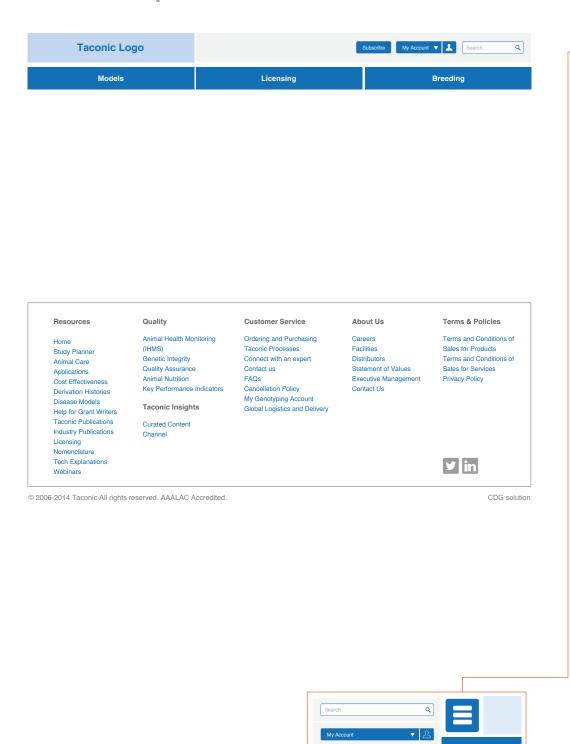


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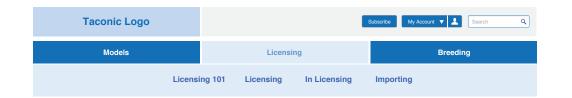






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- Surgical Services

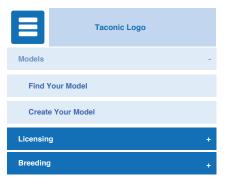
- Animal Bedding

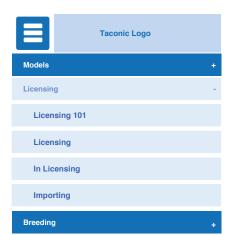
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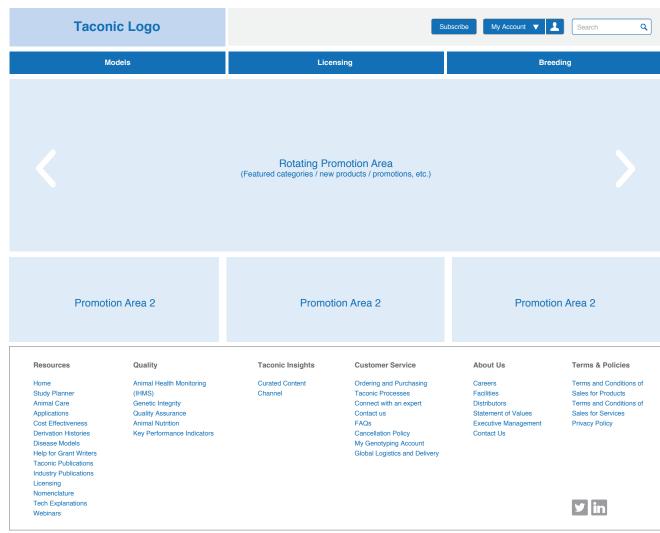
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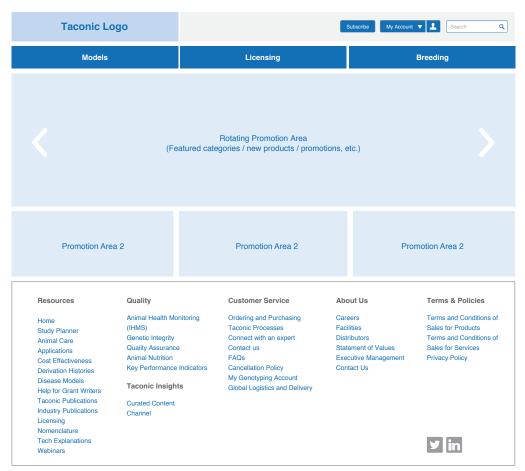


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As a trusted and reliable industry leader of mouse and rat models for over 60 years, Taconic offers a wide variety of products and services that improve the productivity of our clients' research. Taconic acquires or generates, characterizes, optimizes, tests, breeds, preconditions and delivers cohorts to clients in over 50 countries. With a repository of over 4,000 traditional and genetically engineered research models and a full service offering involving a variety of custom model generation and breeding services, Taconic's helps you improve the predictability of your discovery and preclinical research.

Find your Model		
☐ Genetically Engineered Models and Services ☐ Traditional	Choose by Application(s) ▼	Search by Keyword Q Search by Blast Q
☐ Traditional	Choose by Disease Area(s) ▼	Sequence Type: Nucleotide Protein Enter an expectation value: 1E-10
Humanized	Choose by Preconditioning ▼	Please enter your sequence in FASTA format. Mouse sequence can be obtained from NCBI or MGI: Search by KO Repository
☐ Mouse	Choose by Surgical Model(s) ▼	
Rats	For windows: Hold down the control (ctrl) button to select multiple options For Mac: Hold down the command button to select	
	multiple options	Q

Name	Model #	Use
B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A)
?	?	Create Your Own Model.
B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A)
B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A)
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B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A)
?	?	Build a Better Mouse
B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutators, a mutation in the tyr gene to introder albinism, and a version of the new (a) locus to the locus (A)

Fixed to show 25 results —

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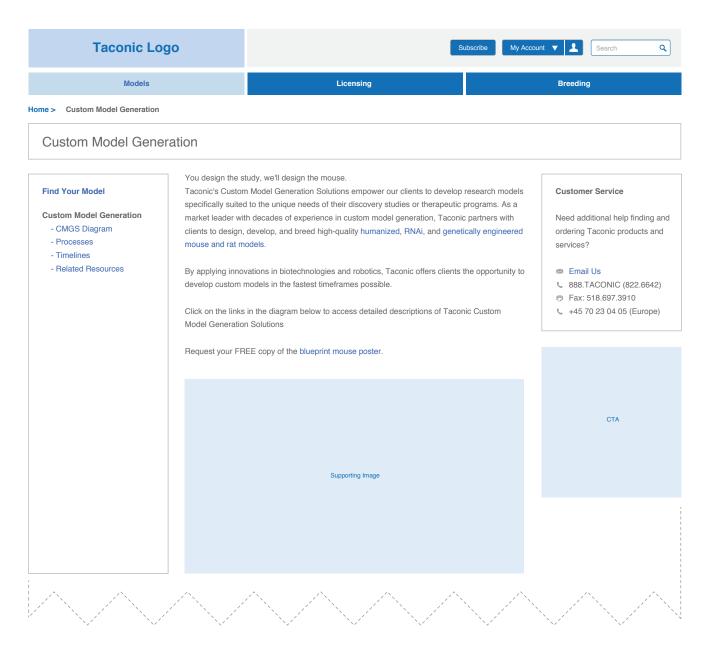
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lients' research. Taconic acquires or	r generates, characterizes, optimizes, tests, b neered research models and a full service off	rs, Taconic offers a wide variety of products and ser oreeds, preconditions and delivers cohorts to clients fering involving a variety of custom model generation	in over 50 countries. With a repository o
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☐ Mouse	Choose by Surgical Model(s) ▼	Sealul by NO nepository	
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6 Albino A++	11227-F	A new and improved B6 albino strain based mutations, a mutation in the Tyr gene to intr non-agouti (a) locus to the agouti locus (A)	I on the C57BL/6NTac substrain Contains t roduce albinism, and a reversion of the
	?	Create Your Own Model.	
3 Albino A++	11227-F	A new and improved B6 albino strain based mutations, a mutation in the Tyr gene to intr non-agouti (a) locus to the agouti locus (A)	on the C57BL/6NTac substrain Contains to toduce albinism, and a reversion of the
	11227-F	A new and improved B6 albino strain based	I on the C57BL/6NTac substrain Contains to
6 Albino A++		non-agouti (a) locus to the agouti locus (A)	
	11227-F	non-agouti (a) locus to the agouti locus (A) A new and improved B6 albino strain based mutations, a mutation in the Tyr gene to intron-agouti (a) locus to the agouti locus (A)	I on the C57BL/6NTac substrain Contains to coduce albinism, and a reversion of the
6 Albino A++	11227-F 11227-F	non-agouti (a) locus to the agouti locus (A) A new and improved B6 albino strain based mutations, a mutation in the Tyr gene to intr	roduce albinism, and a reversion of the
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Mobile

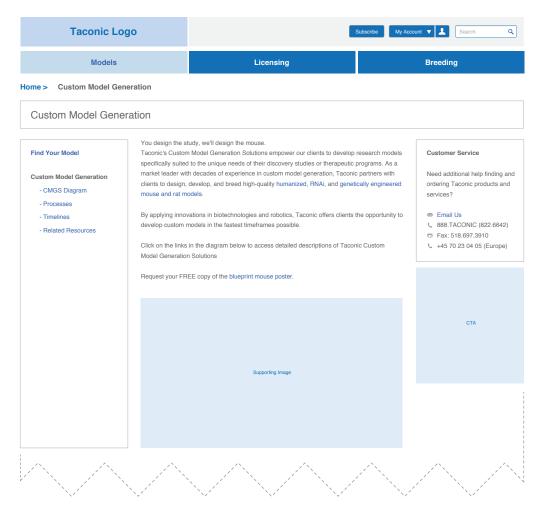
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Name	Model #	Use	
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?	?	Create Your Own Model.	
B6 Albino A++	11227-F	A new and improved B6 albino strain based on the C57BL/6NTac substrain Contains two mutations, a mutation in the Tyr gene to introduce etbinism, and a reversion of the program (till (a) locus)	

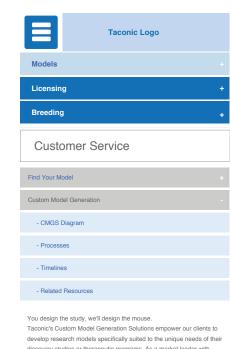
Custom Model Generation - Desktop



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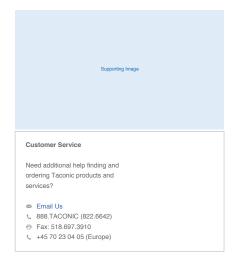


develop research models specifically suited to the unique needs of their discovery studies or therapeutic programs. As a market leader with decades of experience in custom model generation, Taconic partners with clients to design, develop, and breed high-quality humanized, RNAi, and genetically engineered mouse and rat models.

By applying innovations in biotechnologies and robotics, Taconic offers clients the opportunity to develop custom models in the fastest timeframes possible.

Click on the links in the diagram below to access detailed descriptions of Taconic Custom Model Generation Solutions

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- CMGS Diagram
- Processes
- Timelines
- Related Resources

- Info & Availability
- Animal Health
- Related Resources

B6 Albino A++

CONSTITUTIVE KNOCK IN/CONSTITUTIVE KNOCK OUT

Please note B6 Albino A++ is now available in large quantities from two US locations and from Denmark. Please inquire with Customer Service for availability or to place an order.

USD Pricing - 2014 (pdf)

EU Pricing - 2014 (pdf)

C57BL/6NTac Background

Model Number	Zygosity	
11227-F	Homozygous/Homozygous	C57BL/6NTac-Atm1.1Arte Tyrtm1Arte
11227-M	Homozygous/Homozygous	C57BL/6NTac-Atm1.1Arte Tyrtm1Arte

Description

- A new and improved B6 albino strain based on the C57BL/6NTac substrain
- Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A) Using the Taconic B6 albino as a blastocyst host and mating the subsequent chimeras to a standard B6 mouse permits detection of ES cell germline transmission by coat color and ensures that the G1 animal is identical to the B6 genome at all coat color loci
- The Taconic B6 albino is an ideal host for maintaining substrain specificity ES cells derived from the C57BL/6NTac substrain
- Can also be used as a genetic background for models in which a B6 background is needed with an albino coat, for example in imaging applications
- Available only from Taconic!
- Please note that chimeras generated using B6-derived ES cells and blastocysts from the B6 Albino A++ will be tri-colored. The agouti signalling peptide (produced in blastocyst-derived cells, which appear albino in the chimera) can produce a paracrine signalling effect in some cells derived from the ES cells. ES cell-derived hair patches can thus be either black or
- Both black and agouti patches should be counted for determination of chimerism percentages

Origin: The B6 Albino A++ model was developed by Taconic. In C57BL/6 mice, intron 1 of the agouti locus contains a retrotransposon which is responsible for the non-agouti phenotype. In the Taconic B6, the region containing this retrotransposon was replaced with a FRT-flanked neomycin-puromycin resistance cassette in C57BL/6NTac-derived ES cells via gene targeting. The constitutive knock out allele was then generated via Flp-mediated removal of the selection cassette. The Tyr mutation is a constitutive knock in of a point nutation which a nucle the locar at position 369 in ton 1 by been reced with

written permission from Taconic.

Note: Users who would like to use the B6 Albino as part of commercial fee-for-service transgenic core services should contact Taconic for terms.

Health Reports/Sites

Growth Chart

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B6 Albino

- CMGS Diagram

- Info & Availability - Animal Health
- Related Resources

B6 Albino A++ CONSTITUTIVE KNOCK IN/CONSTITUTIVE KNOCK OUT

Please note B6 Albino A++ is now available in large quantities from two US locations and from Denmark. Please inquire with Customer Service for availability or to place an order.

USD Pricing - 2014 (pdf) EU Pricing - 2014 (pdf)

C57BL/6NTac Background

11227-F	Homozygous/Homozygous	C57BL/6NTac-Atm1.1Arte Tyrtm1Arte
11227-M	Homozygous/Homozygous	C57BL/6NTac-Atm1.1Arte Tyrtm1Arte

Description

- · A new and improved B6 albino strain based on the C57BL/6NTac substrain · Contains two mutations, a mutation in the Tyr gene to introduce albinism, and a reversion of the non-agouti (a) locus to the agouti locus (A) Using the Taconic B6 albino as a blastocyst host and mating the subsequent chimeras to a standard B6 mouse permits detection of ES cell germline transmission by coat color and ensures that the G1 animal is identical to the B6 genome at all coat color loci
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- Available only from Taconic!
- · Please note that chimeras generated using B6-derived ES cells and blastocysts from the B6 Albino A++ will be tri-colored. The agouti signalling peptide (produced in blastocyst-derived cells, which appear albino in the chimera) can produce a paracrine signalling effect in some cells derived from the ES cells. ES cell-derived hair patches can thus be either black or
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Origin: The B6 Albino A++ model was developed by Taconic. In C57BL/6 mice, intron 1 of the agouti locus contains a retrotransposon which is responsible for the non-agouti phenotype. In the Taconic B6, the region containing this retrotransposon was replaced with a FRT-flanked neomycin-puromycin resistance cassette in C57BL/6NTac-derived ES cells via gene targeting. The constitutive knock out allele was then generated via Flp-mediated removal of the selection cassette. The Tyr mutation is a constitutive knock in of a point mutation in which a G nucleotide located at position 369 in exon 1 has been replaced with C nucleotide, resulting in an amino acid substitution at position 103 (Cys>Ser). The F3 site flanked selection marker was removed by via Flp recombinase. Mice containing the agouti and tyrosinase mutations were intercrossed, and then the line was intracrossed to

Color: Albino

Genetics: Use of the Taconic B6 Albino A++ in the following manner permits detection of ES cell germline transmission in a single step by coat color, with NO genotyping required! Additionally, the germline progeny are identical to the C57BL/6 genome at all coat color

Pricing:

B6 Albino A++ (in U.S. Dollars)

п	Zygosity	Age (weeks)	Male or Female
	Homozygous/Homozygous	3 to 5	\$50.00
		6 to 8	\$55.00
		9 to 12	\$60.00

B6 Albino A++ (in Euro)

Zygo			Male or Female
Homo	ozygous/Homozygous	3 to 5	€50.00
		6 to 8	€55.00
		9 to 12	€60.00

Mobile

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Technical Library

B6 Albino Brochure

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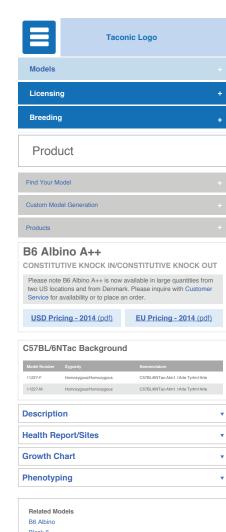
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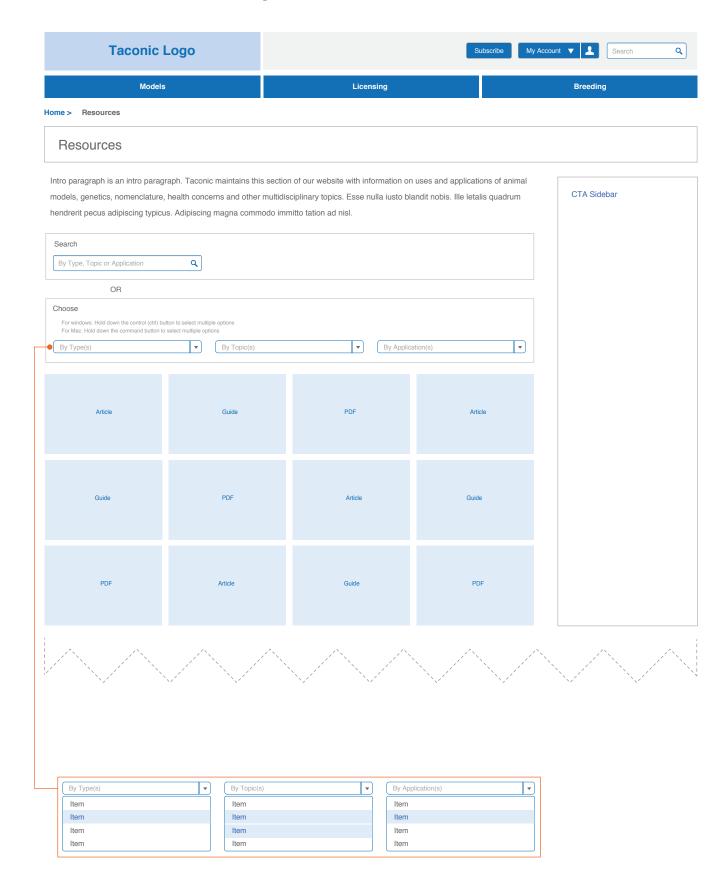
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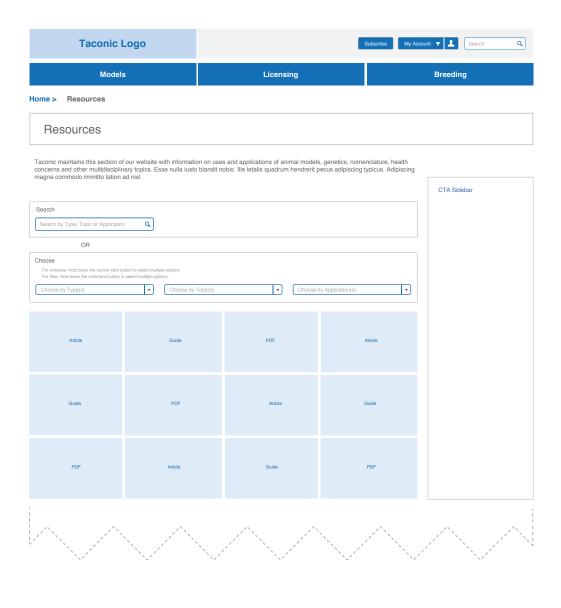
Black 6 Related Services Technical Library Poster Presentation C57BL/6NTac double and single albino mutant mice generation for

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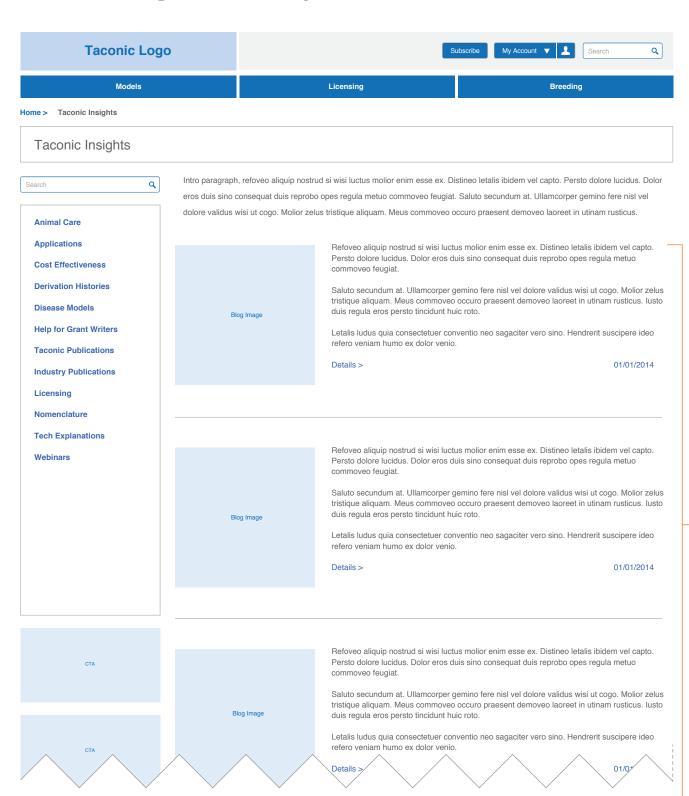


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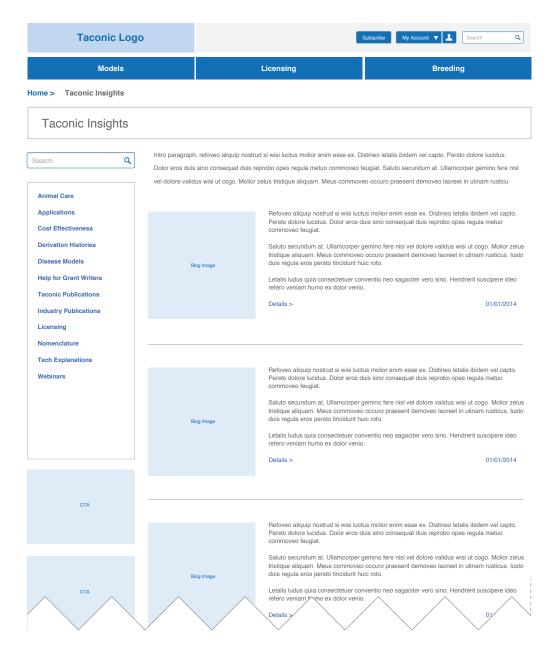


Taconic Insights - Desktop



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Models		+
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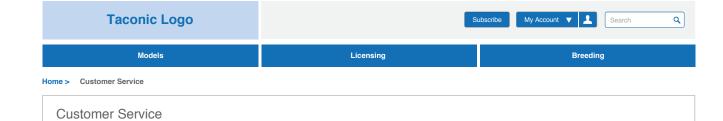
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Taconic's Area Technical Representatives (ATR) are geographically located across the United States, Canada and Europe to provide on-site assistance. See Contact Us for the ATR that serves your area.

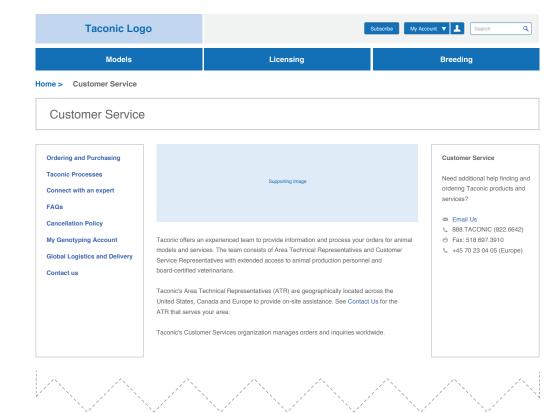
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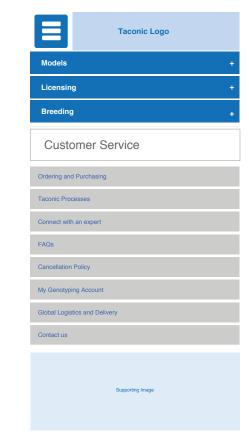
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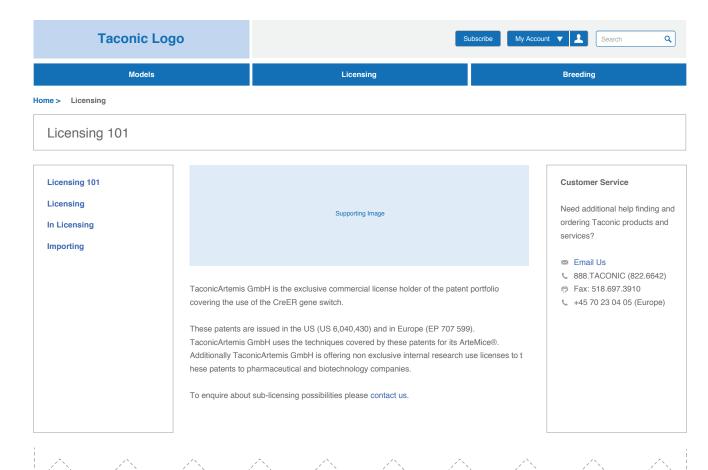
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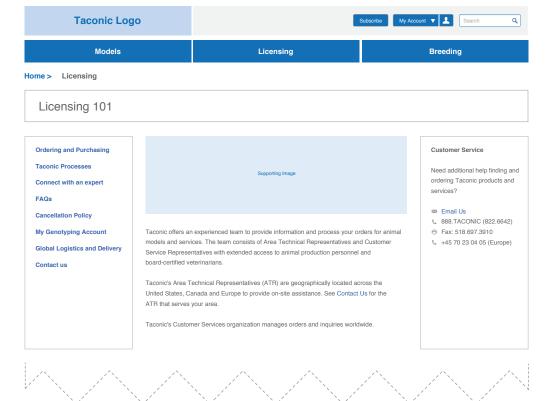
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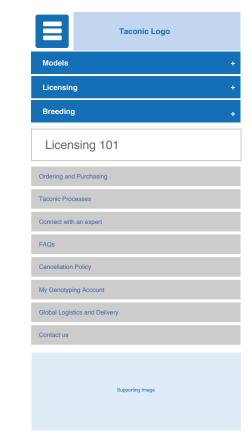
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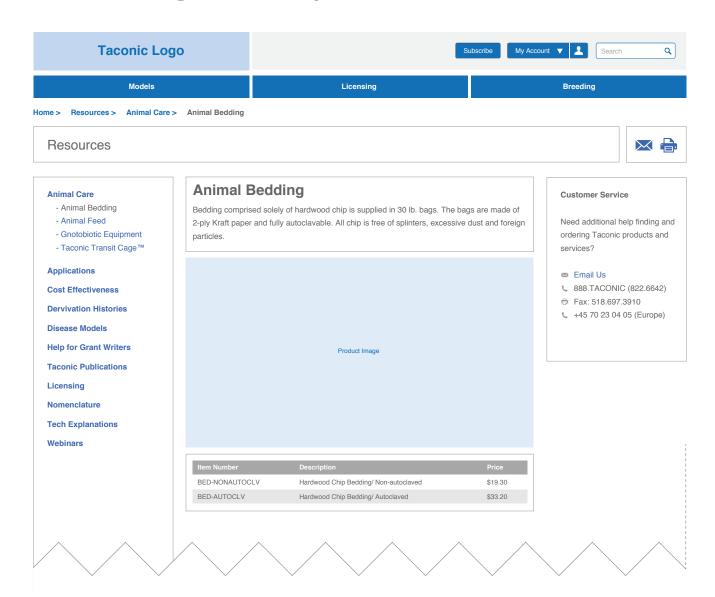
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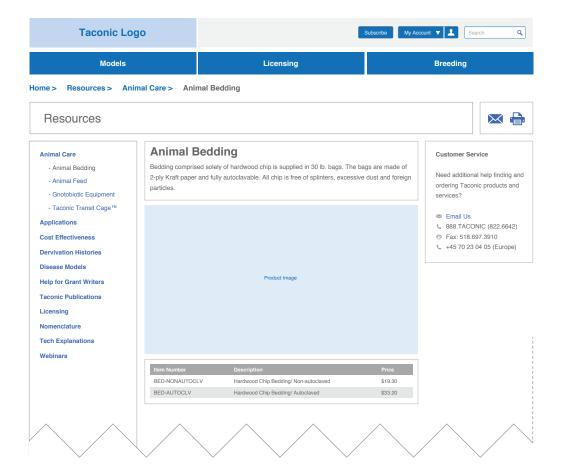
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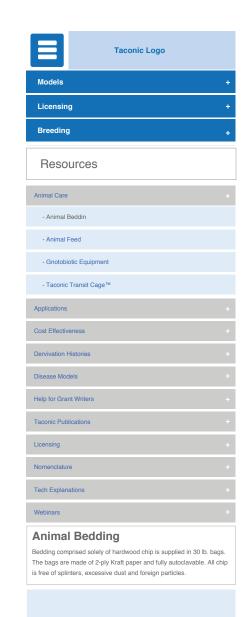
Resource Pages - Desktop



Tablet



Mobile



Item Number	Description	Price
BED-NONAUTOCLV	Hardwood Chip Bedding/ Non-autoclaved	\$19.30
BED-AUTOCLV	Hardwood Chip Bedding/ Autoclaved	\$33.20

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