Also Known As: wavedx
Mice homozygous for the ENU-induced Adam17 (wavedx) mutation are characterized by open eyelids and curly vibrissae at birth; adult animals display wavy coats, corneal opacities, are susceptible to dextran sulfate sodium (DSS)-induced colitis. This mutant mouse strain may be useful in studies of inflammatory bowel disease.

Donating Investigator
Bruce Beutler, University of Texas Southwestern Medical
RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research  
Dermatology Research  
Sensorineural Research  
Internal/Organ Research

Details

Detailed Description

Mice homozygous for the mutation are viable and are characterized by open eyelids and curly vibrissae at birth; adult animals display wavy coats and corneal opacities. These animals are susceptible to dextran sulfate sodium (DSS)-induced colitis and exhibit severe weight loss as a result of DSS administration. The donating investigator indicates that homozygous males are fertile, however homozygous females do not breed. This mutant mouse strain may be useful in studies of inflammatory bowel disease.

For additional information, see The Scripps Research Institute Mutagenix website.

Heterozygotes: Not evaluated, phenotype is presumed to be normal.
Breeding Considerations
While maintaining a live colony, these mice are bred as heterozygote female x homozygote male. Females homozygous for the mutation do not breed.

Additional Breeding and Husbandry Support

Citation
When using the wavedx mouse strain in a publication, please cite the originating article(s) and include MMRRC stock #34295 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

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