

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

B6J.Cg-Aff2^{tm1Dln} Fmr1^{tm1Cgr}/Mmucd

RRID:MMRRC_041425-UCD

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41425

Proper Citation: RRID:MMRRC_041425-UCD

Description: Mus musculus with name B6J.Cg-Aff2^{tm1Dln} Fmr1^{tm1Cgr}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Metabolism, Models for Human Disease, Neurobiology, Research Tools, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased body size [MP:0001265] abnormal cued conditioning behavior [MP:0001454] abnormal spatial learning [MP:0001463] premature death [MP:0002083] abnormal CNS synaptic transmission [MP:0002206] abnormal excitatory postsynaptic potential [MP:0002912] enhanced long term potentiation [MP:0003008] decreased thermal nociceptive threshold [MP:0003998] abnormal dentate gyrus morphology [MP:0000812] abnormal Purkinje cell morphology [MP:0000877] convulsive seizures [MP:0000947] enlarged testis [MP:0001148] increased body weight [MP:0001260] abnormal retina morphology [MP:0001325] increased aggression towards mice [MP:0001353] abnormal social investigation [MP:0001360] social withdrawal [MP:0001361] abnormal anxiety-related response [MP:0001362] increased anxiety-related response [MP:0001363] decreased anxiety-related response [MP:0001364] hyperactivity [MP:0001399] hypoactivity [MP:0001402] impaired coordination [MP:0001405] increased stereotypic behavior [MP:0001409] increased exploration in new environment [MP:0001415] increased grooming behavior [MP:0001441] abnormal object recognition memory [MP:0001458] abnormal spatial learning [MP:0001463] abnormal contextual conditioning behavior [MP:0001469] reduced long term potentiation [MP:0001473] abnormal startle reflex [MP:0001486] increased startle reflex [MP:0001488] decreased startle reflex [MP:0001489] audiogenic seizures [MP:0001496] abnormal vocalization [MP:0001529] abnormal long term depression [MP:0001898]

increased thermal nociceptive threshold [MP:0001973]| abnormal associative learning [MP:0002062]| abnormal learning/memory/conditioning [MP:0002063]| abnormal brain morphology [MP:0002152]| increased vertical activity [MP:0002574]| abnormal hippocampal mossy fiber morphology [MP:0002761]| abnormal eye blink conditioning behavior [MP:0002807]| abnormal response to novelty [MP:0003107]| abnormal locomotor activation [MP:0003313]| abnormal response to novel object [MP:0003461]| abnormal nerve fiber response [MP:0003477]| decreased aggression towards mice [MP:0003863]| tonic-clonic seizures [MP:0003997]| impaired passive avoidance behavior [MP:0004000]| increased testis weight [MP:0004851]| abnormal neuronal precursor proliferation [MP:0004948]| abnormal dendrite morphology [MP:0008143]| abnormal retinal rod cell outer segment morphology [MP:0008456]| increased prepulse inhibition [MP:0009141]| impaired cued conditioning behavior [MP:0009456]| impaired conditioned place preference behavior [MP:0009712]| abnormal dendritic spine morphology [MP:0009936]| abnormal neuron differentiation [MP:0009937]| hypodipsia [MP:0011737]| decreased a wave amplitude [MP:0012143]| decreased b wave amplitude [MP:0012144]| abnormal circadian behavior [MP:0020467]

Affected Gene: |Aff2|Fmr1|

Catalog Number: 041425-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:11923441](#), [PMID:8033209](#)

Alternate IDs: MMRRC_41425-UCD, MMRRC_041425, MMRRC_41425

Organism Name: B6J.Cg-Aff2^{tm1Dln} Fmr1^{tm1Cgr}/Mmucd

Record Creation Time: 20230308T055218+0000

Record Last Update: 20260801T124501+0000

Ratings and Alerts

No rating or validation information has been found for B6J.Cg-Aff2^{tm1Dln} Fmr1^{tm1Cgr}/Mmucd.

No alerts have been found for B6J.Cg-Aff2^{tm1Dln} Fmr1^{tm1Cgr}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.