

RGD: A REPOSITORY AND CUMULATIVE RESOURCE FOR RAT STRAINS



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Rajni Nigam, Mary Shimoyama, Simon Twigger, Diane Munzenmaier, Mindy Dwinell, Howard Jacob; the RGD Team

RGD (<u>http://rgd.mcw.edu/</u>) strives to collect strain information from recent	RGD Reference Report	
search publications, direct submissions from individual researchers, and t providers worldwide. Users can search strains in RGD by using the		
word search or advanced strain searches. RGD houses data for more	Reference Report	Rei Passares &
in 1600 rat strains that include different strain types as substrains,	Genome-wide scan for interacting loci affecting human cholesteryl ester transfer protein-induced hypercholesterolemia in transgenic human cholesteryl ester transfer protein F2-intercross rats.	tiang. A
ombinant inbred strains, congenic, consomic, transgenic, and mutant	protein F2-Intercross rats. Henner VL. Ponce LR. Ruiz-Couze N.	Place Order for Rat Search for an
ns. Strain pages have a comprehensive description of characteristics,	Himman Va. Honow Lin. Hazz-Spanze N. Citation: Hervers Vi., etail, J. Hyperteen. 2007 Aug 25(8) 1608-12.	RRC:0310 Strain Name: SS-Tg(AprC3-CETP)530per Com
disease, phenotype and physiological information, behavior, drug ns and reproductive notes.	Status work-con-trace Reference	Deser Vectoria L.M. Herrera Boston University School of Medione Securitic ApoC3 promoter + human CETP cDNA Gene Details Strain Type
s controlled vocabularies like the Mammalian Phenotype Ontology	Abstract (2)	and the second
w.informatics.jax.org/searches/MP_form.shtml) and Disease	OBJECTIVE: We documented susceptibility in Dahl S rats to constary atheroscilenosis upon the transgenic expression of human cholisateryl exter transfer protein (InCETP) producing severe combined hyperlipidamia, as detected in TgInCETP(53 (TgIs3) Dahl S rats.	Transpool
(http://www.nlm.nih.gov/mesh/MBrowser.html) to annotate all	OUECTICE: We downeed to increadably on policy of a rate to entry phenoteneous parts the senguese experiment of human to the particle senguese and the particle sengueses and the particle sengueses and the sengueses in other particle sengueses. On the particle sengueses are applied to the particle sengueses and and the sensu control to provide the particle sengueses and the particle sengueses are applied to the particle sengueses control to provide the particle sengueses and the particle sengueses are applied to the particle sengueses and the particle sengueses are applied to the particle sengueses are particle. Applied to the particle sengueses are particle and the particle sengueses that are an extracted to particle sengueses are particle and the particle sengueses and the particle sengueses are particle and a sengueses are particle and the particle sengueses are particle and the particle sengueses and the particle sengueses are particle and the particle sengueses are particle and the part	Dispetition Z Embryo Z Sperm Live Animals Other
hese annotations, in turn, allow the users to conduct effective	Ualit S ratis in contrasti fo (gs) Dalit R ratis we performed a genome-wole scan for CUL adhector galamara total cholesterel in an F2(i g (R x S)[-intercross male population (in m 155) that are transperior for the Tg]hCEETP[S] transpere. Hybrids were genotyped with 121 informative polymerphic makins: RESULTS: We detected three novel ACETP-dependent OTL for hypercholesterolesterol	Search (Status) Intered Segregating Conparis Consonic 1 Coisogenic IV Transgene Recombinant Outbred S
desired strain models for their studies. Links to original	efformation polynomizes markens. REBULTE: Wile detacked threak node IEETP dependent OTL for hyperclusterisations and not chronomizes. Similar approximation polynomizes and approximation of the similar approximation of the similar approximation of the polynomizes and the similar approximation of the polynomizes and the similar approximation of the simplement of t	Transposon Mutation Other Research Diabetes/Obesty Cardio/Hypertension Neurobiology Onocology N
strain report pages provide easy access to additional in data from all major phenotype and strain centers such as	identified in a TgS3 Dahl S rat intercross study affecting cholesterol metabolism. These results could partly explain the controversy	Category Osteosis Ophthalmology Otorhinology Dentistry 1
a.mcw.edu/), RRRC (http://www.nrrrc.missouri.edu/) and		
anim.med.kyoto-u.ac.jp/nbr/home.htm) are incorporated in	RGD Strain Report	QTL Report for Rat: Sc/54 😡 🛛 🖬 🖬
		Name
ages researchers to submit their strain data to ensure proper	Payeta Sa Keyward	Symbol: Sci54 Allas symbol: TC-2 Name: Serum cholesterol level QTL 54 Allas mames: Total cholesterol QTL 2 Description
that can be used in publication of their results. In the process data, RGD validates the nomenclature of the submitted strains	A GSHOME TODES DISEASES PHENDTYVES & NODELS COMMUNITY 6 STAINS Markets ESTS Marks Onlingies Sequences References FFP Download Setend Bala	Trait: Lipid level Subtrait: christerol level
nomenclature guidelines laid out by the International	Otrola Danast	Method: plasma cholesterol, HDL-cholesterol, and total triglyceride levels were measured Associated Disease: <u>Hypercholesteroleria</u>
Standardized Genetic Nomenclature for Mouse and the Rat	strain Report	Phenotypes: increazed cholesteol level Statistics: LOD: 2.93
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Strain Registration Form	
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Advantages of Registering data with RGD Consistent Nomenclature with RGNC approved guidelines Consistent Nomenclature with RGNC approved guidelines Use ILAR codes to ensure proper recognition to the research groups Use ILAR codes to identify the origin and maintenance Use correct nomenclature in publications which will be the same as RGD Receive RGD_ID which can be mentioned in publications Data can be kept private until released by researchers List the source and availability

ttee on Standardized Genetic Nome

Chairperson: Dr. Janan T. Eppig (e-mail: jeggintermatics.jax.org) Rat Genome and Nomenclature Comn

Chairperson: Dr. Goran Levan (e-mail: Goran Levan@gen.gu.se)

or Mice and the Rat Genome and Nomenclature tune, applicable to strains of both species. These ng new and revised rules for the naming of strains. This without for mouses and rat



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Nomenclature? Help? Questions? Contact: RGD.Data@mcw.edu