ARTICLES

A single-nucleotide variation in a p53-binding site affects nutrient-sensitive human SIRT1 expression


Ancestral paternal genotype controls body weight and food intake for multiple generations

S.N. Yazbek, S.H. Spiezio, J.H. Nadeau, and D.A. Buchner

Flt-1 haploinsufficiency ameliorates muscular dystrophy phenotype by developmentally increased vasculature in mdx mice


Mutant FUS proteins that cause amyotrophic lateral sclerosis incorporate into stress granules


DNA methylation analysis of multiple tissues from newborn twins reveals both genetic and intrauterine components to variation in the human neonatal epigenome


Transcriptional profiling of fibroblasts from patients with mutations in MCT8 and comparative analysis with the human brain transcriptome

W.E. Visser, S.M.A. Swagemakers, Z. Özgür, R. Schot, F.W. Verheijen, P.J. van der Spek, and T.J. Visser

A novel SOD1 splice site mutation associated with familial ALS revealed by SOD activity analysis


Oxidative stress by monoamine oxidases is causally involved in myofiber damage in muscular dystrophy


SMN deficiency disrupts brain development in a mouse model of severe spinal muscular atrophy


Molecular signature of primary retinal pigment epithelium and stem-cell-derived RPE cells


A humanized Smn gene containing the SMN2 nucleotide alteration in exon 7 mimics SMN2 splicing and the SMA disease phenotype


Kismet/CHD7 regulates axon morphology, memory and locomotion in a Drosophila model of CHARGE syndrome

D.J. Melicharek, L.C. Ramirez, S. Singh, R. Thompson, and D.R. Marenda

A functional variant in NKK3.1 associated with prostate cancer susceptibility down-regulates NKK3.1 expression

Estrogen and progesterone receptor status affect genome-wide DNA methylation profile in breast cancer

L. Li, K.-M. Lee, W. Han, J.-Y. Choi, J.-Y. Lee, G.H. Kang, S.K. Park, D.-Y. Noh, K.-Y. Yoo, and D. Kang

ASSOCIATION STUDIES ARTICLES

The perception of quinine taste intensity is associated with common genetic variants in a bitter receptor cluster on chromosome 12


Evidence for CRHR1 in multiple sclerosis using supervised machine learning and meta-analysis in 12 566 individuals


Common variants in the calcium-sensing receptor gene are associated with total serum calcium levels


New loci associated with central cornea thickness include COL5A1, AKAP13 and AVGR8


Cover: Dorsal view (upper left and upper middle) and lateral view (lower left) of wild type and control flies hold their wings normally folded above their bodies. Dorsal view (upper right) and lateral view (lower right) of flies with reduced Kismet protein hold their wings aside and apart from their body and are unable to fly. Loss of the Kismet protein is required in muscle cells for coordinated movement and posture in a Drosophila model for CHARGE syndrome, providing new insights into the etiology of this disease. For further details see the article by D.J. Melicharek et al. pp. 4253–4264.

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