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Home Genomics News 8	Information Research Con	res Resources People Workspaces My Account	About Us
All Adenoviruses Antibodies	Bioimages mESC Lines M	ouse Strains Genomics Studies Protocols Miscellaneous	s Research Data Visualization
My Account	Human skeletal m	nuscle - type 2 diabetes and family	history positive
Login	individuals - Mexi	can American - Study GBCO2363	
Greate Account	Genomics Study Sp	acifications	Access Status
Resources	Study Name	Human skeletal muscle - type 2 diabetes and family	
View All (813)	Study Name	history positive individuals - Mexican American	I his resource is publicly viewable.
Adenoviruses (137)	Contact Name	Mary-Elizabeth Patti (Joslin Diabetes Center and	<b>Request this Resource</b>
Antibodies (175)		Harvard Medical School)	
Bioimages (67)	Publication	http://www.ncbi.nlm.nih.gov/pubmed/12832613	Request from a repository
Genomics Studies (145)	My Strategies	Return to My Strategies page	Drimenu eentrikuten Oteesekent Lek
Mouse Strains (120)	Classification	Cell stimulation/injury	Primary contributor: Stoeckert Lab
Miscellaneous (46)	Links	Biomaterials Graph	Resource Tags
Protocols (55)			
Research Data (4)			Login to edit tags
Resource Tags (389)	BCBC Release Date	April 13, 2009	Read more about tags
Visualization (9)	Public Release Date	April 13, 2009	
	Citation	Patti ME, Butte AJ, Crunkhorn S, Cusi K, Berria R, Kashvan S, Mivazaki Y, Kohane L, Costello M	<b>Resource History &amp; Action</b>
Research & Cores		Saccone R, Landaker EJ, Goldfine AB, Mun E,	Approved on Apr 13, 2009
Core Facilities (5)		DeFronzo R, Finlayson J, Kahn CR, Mandarino LJ. Coordinated reduction of genes of oxidative	Last modified on Aug 02, 2011
Research Highlights (5)		metabolism in humans with insulin resistance and	login to edit or request an edit
Research Objectives		Natl Acad Sci U S A. 2003. 100:8466-71	
Research Objectives	Synopsis		Related resources
Information		Study Description Goals	BCBC
About the BCBC		Approaches Results Conclusions	No matching resources
BCBC Events		Related Studies	Other Consortia
Branding & Logos			No matching resources
Career Opportunities		characterized by insulin resistance and	
Health		pancreatic beta-cell dysfunction. In high-risk	resources are displayed.
NIH hESC Registry		is insulin resistance in skeletal muscle.	
Policies & Guidelines		Impaired insulin-mediated signaling, gene expression, and glycogen synthesis, and	
Member Publications		accumulation of intramyocellular triglycerides	
Research Programs		but no specific defect responsible for insulin	
Member Directory		resistance and DM has been identified in humans. To identify genes potentially	
		important in the pathogenesis of DM, we	
Tutonais		from healthy metabolically characterized	
		nondiabetic (family history negative and positive for DM) and diabetic Mexican-	
		American subjects. We demonstrate that	
		reduced expression of multiple nuclear	
		respiratory factor-1 (NRF-1)-dependent	
		metabolism and mitochondrial function.	
		While NRF-1 expression is decreased only in diabetic subjects, expression of both PPARg	
		coactivator 1-alpha and -beta (PGC1-	
		coactivators of NRF-1 and PPARg-	
		dependent transcription, is decreased in both diabetic subjects and family history positive	
		nondiabetic subjects. Decreased PGC1	
		expression may be responsible for	
		decreased expression of NRFdependent	
		decreased expression of NRFdependent genes, leading to the metabolic disturbances	

Platforms

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		Show platform Affymetrix	
	Study Design Type	family_history_design     replicate_design	-
	Study Factors	Show study factors	
	Study Assays	Show study assays	
	Access to Study Data		
	This Study Data is publicly available to	all users.	
	Gene List(s)		
	There are no gene lists currently available	There are no gene lists currently available for this study.	
	There are no genome browser tracks c		
	Lists of Locations		
	There are no genomic location datasets		
	Repositories		
	Stoeckert Lab		
	Request this resource	Stock #: Not provided Availability Notes: Not provided	
	Comments		
	There are no comments for this entry.	-	
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