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Supplemental Material to:

Malek El Muayed, Meera R. Raja, Xiaomin Zhang, Keith W. MacRenaris, Surabhi Bhatt, Xiaojuan Chen, Margit Urbanek, Thomas V. O'Halloran and William L. Lowe, Jr.

Accumulation of cadmium in insulin producing β cells

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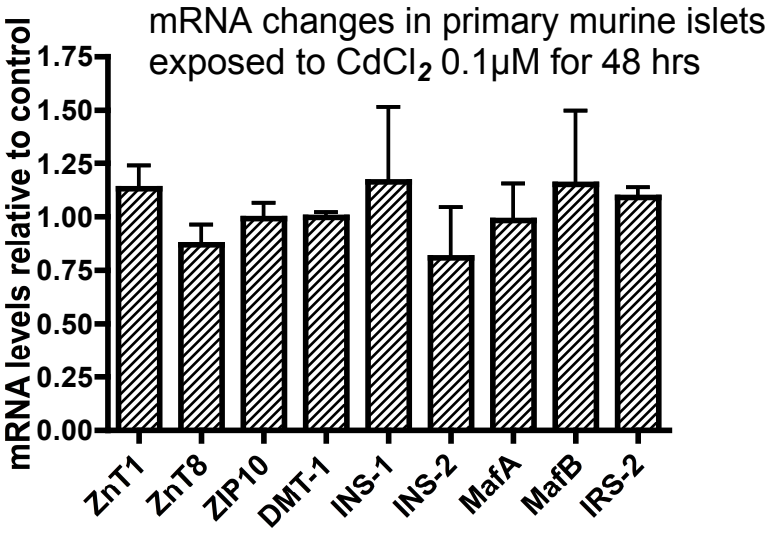
Supplement:

Supplemental figure 1:Changes in mRNA levels of beta-cell genes in dispersed primary mouse islets following exposure to $CdCl_2$ for 48 hours relative to control cells (n=5).

Supplemental figure 1:



Supplemental Table 1:

	Cd	Hg	Cu	Ni	Zn
City of Hope digestion enzyme (Roche)	< 0.006	<0.003	0.05	0.21	0.22
City of Hope purification solution	< 0.006	<0.003	0.13	0.39	2.30
City of Hope priming solution	< 0.006	<0.003	0.04	0.18	0.07
City of Hope culture medium	< 0.006	<0.003	0.10	0.14	12.33
City of Hope digestion solution	< 0.006	<0.003	0.02	0.14	0.05
City of Hope wash medium	< 0.006	<0.003	0.20	0.35	2.93
Univ of Wisconsin RPMI medium	< 0.006	<0.003	0.02	0.09	0.03
Univ of Wisconsin VW solution	< 0.006	<0.003	0.01	0.13	0.30
Univ of Wisconsin purification solution	< 0.006	<0.003	0.04	0.13	0.38
Univ of Wisconsin low density gradient	< 0.006	<0.003	0.12	0.14	0.82
Univ of Wisconsin CIT wash solution	< 0.006	<0.003	0.11	0.18	1.38
Univ of Wisconsin high density gradient	< 0.006	<0.003	0.26	0.56	4.21
Univ of Wisconsin digestion solution	< 0.006	<0.003	0.02	0.07	0.03
Univ of Wisconsin culture medium	< 0.006	<0.003	0.08	0.07	7.71
Univ of Wisconsin Neutral Protease NB (Serva)	< 0.006	<0.003	0.72	0.43	59.99
Univ of Wisconsin Collagenase NB1 (Serva)	< 0.006	<0.003	0.48	0.76	18.60
Univ. of Miami pre transfer medium	< 0.006	<0.003	0.13	0.27	0.33
Univ. of Miami high density gradient	< 0.006	<0.003	0.39	0.19	20.49
Univ. of Miami dilution medium	< 0.006	<0.003	0.03	0.05	0.05
Univ. of Miami wash medium	< 0.006	<0.003	0.14	0.06	0.42
Univ. of Miami low density gradient	< 0.006	<0.003	0.37	0.23	10.03
Univ. of Miami Biocoll isotonic solution	< 0.006	<0.003	0.35	0.10	6.94
Univ. of Miami rinse medium	< 0.006	<0.003	0.01	0.05	<0.01
Univ. of Miami Digestionl Enzyme	0.016	<0.003	0.53	0.29	50.49
Univ. of Miami shipping medium	< 0.006	<0.003	0.20	0.06	2.77
Univ. of Miami culture media	< 0.006	<0.003	0.22	0.06	13.59
Transport media	< 0.006	<0.003	0.29	0.07	7.21

Supplemental table 1: Concentration of various elements in solutions used during the isolation, culture, and transport of human islets by various IIDP sites (velues in µmol/L)