

Epigenetics meets proteomics in an epigenome-wide association study with circulating blood plasma protein traits

Shaza B. Zaghlool, Brigitte Kühnel, Mohamed A. Elhadad, Sara Kader, Anna Halama, Gaurav Thareja, Rudolf Engelke, Hina Sarwath, Eman K. Al-Dous, Yasmin A. Mohamoud, Thomas Meitinger, Rory Wilson, Konstantin Strauch, Annette Peters, Dennis O. Mook-Kanamori, Johannes Graumann, Joel A. Malek, Christian Gieger, Melanie Waldenberger, Karsten Suhre

Item type

Journal Contribution

Terms of use

This work is licensed under a [CC BY 4.0](#) license

This version is available at

https://manara.qnl.qa/articles/journal_contribution/Epigenetics_meets_proteomics_in_an_epigenome-wide_association_study_with_circulating_blood_plasma_protein_traits/21598071/2

Access the item on Manara for more information about usage details and recommended citation.

Posted on Manara – Qatar Research Repository on

2020-01-03

Description: Annotation of the SOMAmer probes.

Title: Supplementary Data 2:

Description: Replicated pQTM identified at the different steps of the pEWAS.

Title: Supplementary Data 3:

Description: pQTM identified and replicated at the different EWAS steps.

Title: Supplementary Data 4:

Description: pEWAS results – 98 replicated CpG-protein associations (pQTM) after various regression steps.

Title: Supplementary Data 5:

Description: Enrichment of pQTM for various CpG site characteristics.

Title: Supplementary Data 6:

Description: EWAS atlas lookup of the 98 final pQTM.

Title: Supplementary Data 7:

Description: Clinical phenotypes associated with pEWAS proteins (KORA data).

Title: Supplementary Data 8:

Description: Clinical phenotypes associated with pEWAS CpGs (KORA data).

Title: Supplementary Data 9:

Description: Metabolites associated with pQTM CpG sites (QMDiab data).

Title: Supplementary Data 10:

Description: Replication of previously reported pQTM (Ahsan *et al.* [7]).

Title: Supplementary Data 11:

Description: NLRC5 (cg07839457) to protein associations (KORA) at relaxed significance level ($p=0.05/1,123$).

Title: Supplementary Data 12:

Description: Comparison of our successive residuals method to a joint one-step regression.