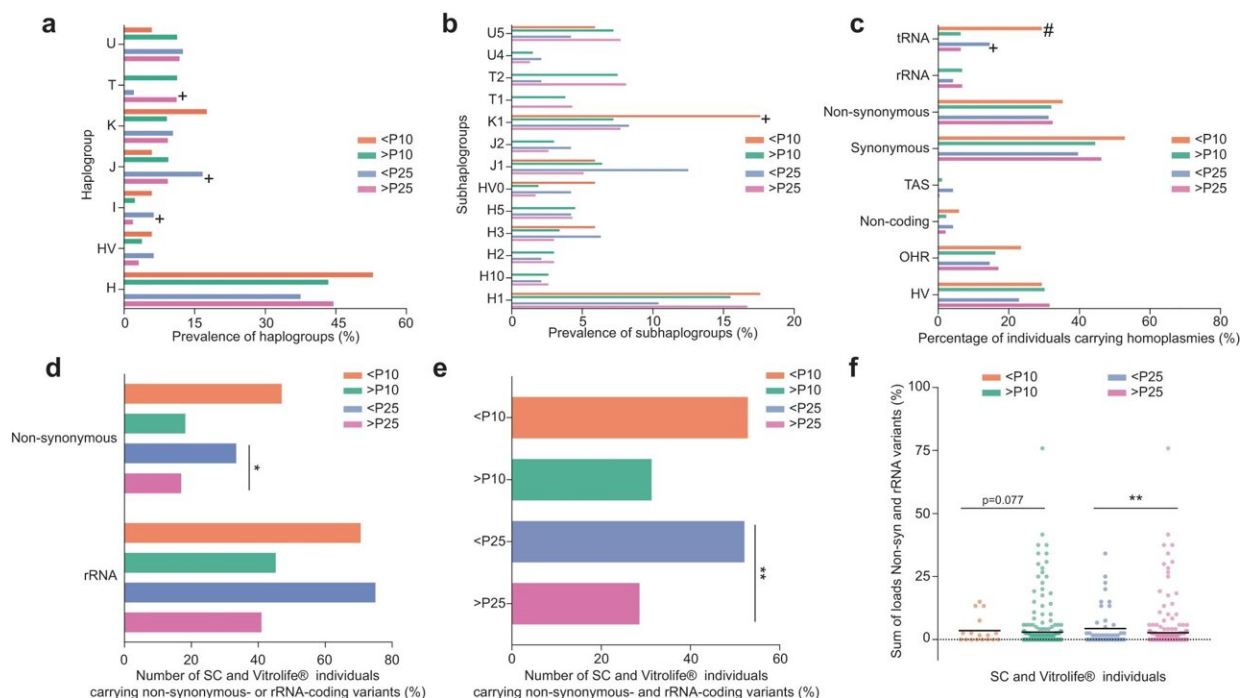


Research team discovers genetic cause of low birth weight among children conceived after fertility treatment

February 12 2024



Lower birthweight spontaneously conceived individuals and ART that are exposed to Vitrolife culture medium have higher incidence of non-synonymous and rRNA variants. **a, b** Prevalence of the haplogroups and subhaplogroups, respectively, across SC and ART individuals exposed to Vitrolife culture medium, categorized according to their birthweight percentile. Two-sided Fisher-exact test, no significant differences were found after Bonferroni correction (p values ≤ 0.007 were considered significant). **c** Percentage of SC and ART individuals exposed to Vitrolife culture medium carrying homoplasmic variants in the different regions and categorized according to their birthweight percentile.

Homoplasms in the tRNA regions were more frequently found in children with a birthweight

Citation: Research team discovers genetic cause of low birth weight among children conceived after fertility treatment (2024, February 12) retrieved 14 May 2024 from <https://medicalxpress.com/news/2024-02-team-genetic-birth-weight-children.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.