

22.05.2019

Dear Sir/Madam,

We thank the editors and reviewers for consideration of our manuscript and your valuable comments.

Below we provide the responses to the reviewers' and editor's comments and detailed information about changes made in the text of manuscript.

### **Response to Editor**

1. The postcodes for all addresses were added
  2. The corresponding author address and contact information were included
  3. The file of Audio core tip was submitted
  4. All reference numbers were modified according to the requirements
  5. Reference #114 was added
  6. The authors' work was financially supported by the project 558-2019-0012 in the framework of State funding for fundamental research of the Russian Federation.
- Copy of this document and its English translation were provided.

### **Reviewer #1**

1. The required information about miRNAs was added in the section *Transcriptional profiling of whole tissues and single cells by RNA-Seq*.

The section of references was corrected to add the new references.

2. The complete names before abbreviations (GWAS, NGS, LD, GoT2D/T2D-GENES Consortium, BCAA, T1D, HbA1c, miRNA) were added.

### **Reviewer #2**

1. The figure 1 was created and added to answer the request to have a graph summarizing the information in this review

Sincerely,

Authors of the manuscript