

Author Contribution

I, the undersigned, **Abdulrahman Mohamed Alsadiq Abdulmohsen Seddik**, declare that I have participated in the following work processes for the paper submitted to the 37th OTDK, "**Differential Gene Expression in Zebrafish *recql4* Mutants: A Transcriptomic Analysis**":

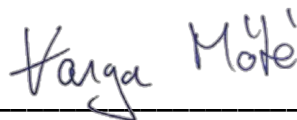
Subtask	Extent of Participation
Initiation of a second mutant allele in the <i>recql4</i> gene targeting <i>exon 16</i> and PCR optimization for genotyping.	5
Characterization of observable phenotypes in <i>recql4</i> mutants, including apoptosis and morphological deformities.	4
Performance of apoptosis assays using Acridine Orange staining.	5
Isolation of total RNA from zebrafish embryos at 2 dpf.	5
transcriptomic analysis on Galaxy platform, with visualization in R Studio.	4

Date: Budapest, 15 January 2025



Abdulrahman Mohamed Alsadiq Abdulmohsen Seddik

I confirm that the information contained in the declaration is correct:



Dr. Máté Varga

Associate Professor, Department of Genetics