Data set
Altered rodent gait characteristics after ~35 days in orbit aboard the International Space Station
Effects of low-dose oxygen ions and protons on cardiac function and structure in male C57BL/6J mice (echocardiogram/ultrasonography)
Elevated plus-maze performance of Fischer-344 rats as a function of age and of exposure to 56Fe particles
Specific Host Metabolite and Gut Microbiome Alterations Are Associated with Bone-loss During Spaceflight
Persistence of Escherichia coli in the microbiomes of red Romaine lettuce (Lactuca sativa cv. ‘Outredgeous’)- does seed sanitization matter?
Dose-dependent skeletal deficits due to varied reductions in mechanical loading in rats (Tibia - pQCT)
Fifteen days of microgravity causes growth in calvaria of mice (STS-131)
Toward countering muscle and bone loss with spaceflight: GSK3 as a potential target (Tibialis Anterior, RR9, Western Blot)
Characterization of Biofilm Formation, Growth, and Gene Expression on Different Materials and Environmental Conditions in Microgravity (Morphology of Penicillium rubens biofilms)
Dose-dependent skeletal deficits due to varied reductions in mechanical loading in rats (Femur - microCT, three-point bending, histomorphometry)
Combined space stressors induce independent behavioral deficits predicted by early peripheral blood monocytes (Behavioral Assays)
Characterization of Biofilm Formation, Growth, and Gene Expression on Different Materials and Environmental Conditions in Microgravity (Morphology of Pseudomonas aeruginosa biofilms)
Characterization of Biofilm Formation, Growth, and Gene Expression on Different Materials and Environmental Conditions in Microgravity (Gene expression of Pseudomonas aeruginosa biofilms)
Artificial gravity partially protects space-induced neurological deficits in Drosophila melanogaster (Behavior, Climbing)
Artificial gravity partially protects space-induced neurological deficits in Drosophila melanogaster
Advancing the automation of plant nucleic acid extraction for rapid diagnosis of plant diseases in space
Single nuclei transcriptomics and epigenomics of brain tissue from mice flown on the RRRM-2 mission
Single nuclei transcriptomics and epigenomics of brain tissue from mice flown on the RR-10 mission
Effects of low-dose oxygen ions and protons on cardiac function and structure in male C57BL/6J mice (western blot, histology, and immunohistochemistry)
Characterization of mouse ocular responses (Microscopy) to a 35-day (RR-9) spaceflight mission: Evidence of blood-retinal barrier disruption and ocular adaptations