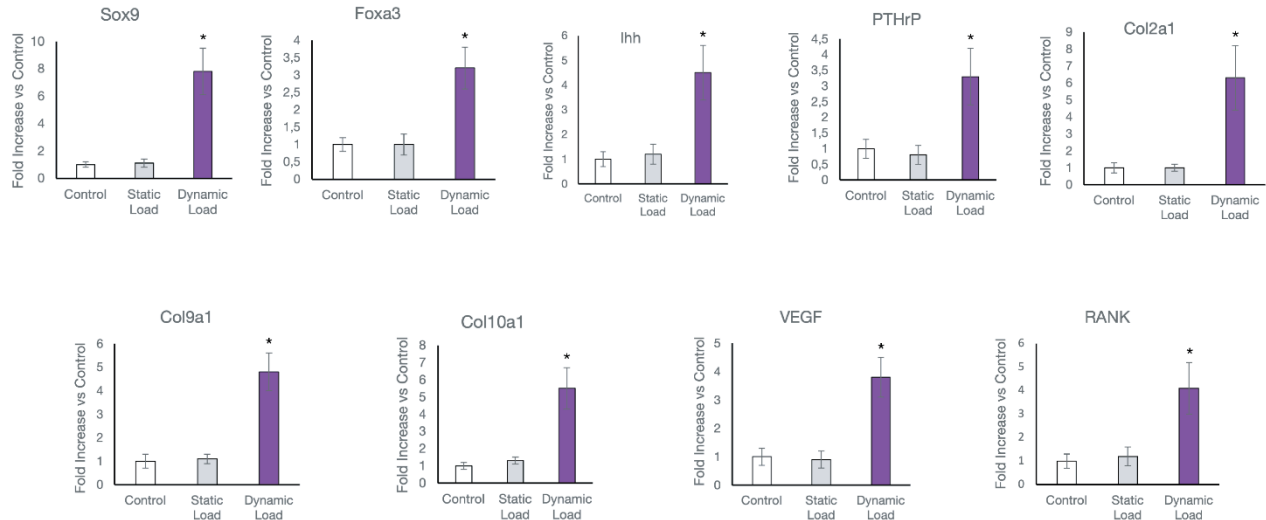


A



B

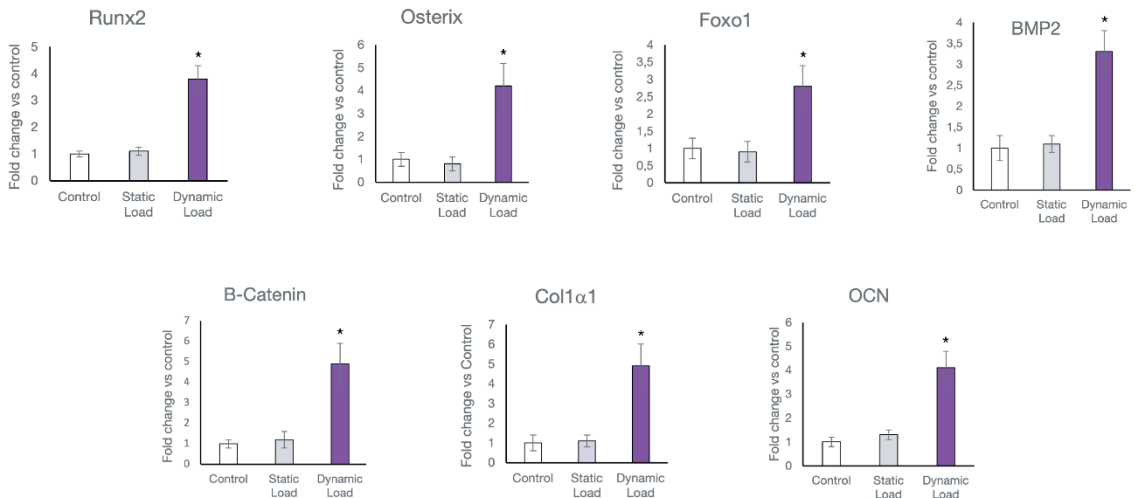


Figure 9: Analysis of chondrogenic and osteogenic markers in response to dynamic loading. RNA was collected from condyles of animals that received static or dynamic loading for 28 days and the expression of chondrogenic genes (Sox9, Foxa3, Ihh, PTHrP, Col 2a1 Col 9 α1, Col 10 α1, VEGF), osteoclast marker (RANK) (A), and osteogenic genes (Runx2, Osterix, Foxo1, BMP2, B-Catenin, Col 1α1, OC) (B) was measured by real time RT-PCR. Data are shown as “fold change” in gene expression in comparison to the Control group. Each value presents the mean ± SEM of 3 animals. * Significant different from Control and Static Load groups.