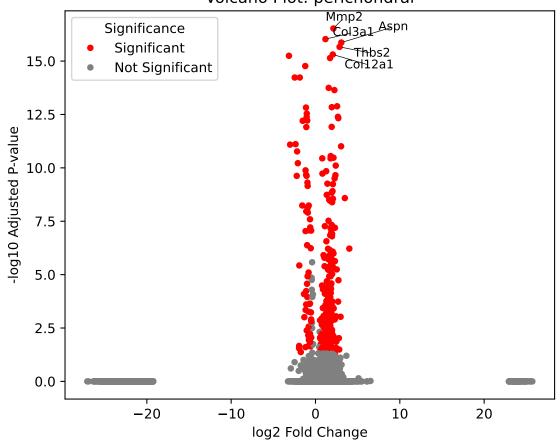
Volcano Plot: canal Colla2 Sparc Significance Colla1 Tmsb4x Significant 3.5 Serpine2 Not Significant 3.0 -log10 Adjusted P-value 2.5 2.0 1.5 1.0 0.5 0.0 <u>-20</u> -1010 20 -30 log2 Fold Change

Volcano Plot: chondrocyte Matn1 Significance Col2a1 Significant 35 Not Significant 30 -H19 -log10 Adjusted P-value Col9a3 25 Col9a1 20 -15 10 5 0 -20 -10 10 20 log2 Fold Change

Volcano Plot: hypertrophic Col10a1 Significance 14 Significant Not Significant 12 -log10 Adjusted P-value 10 Mmp9 8 _Acp5 6 Eçrg4 4 2 0 -20 -10 10 20 -30log2 Fold Change

Volcano Plot: perichondral

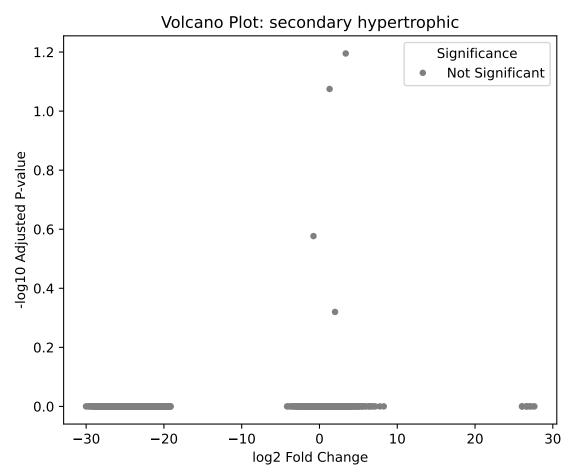


Volcano Plot: pre-hypertrophic Pth1r Significance 8 Significant Col10a1 Not Significant Hapln1 -log10 Adjusted P-value ച Bc1 Aldh1a3 2 0 -20 -10 10 20 -30log2 Fold Change

Volcano Plot: pre-osteoblast Sŋorc Significance Col2a1 20 -Significant H19 Not Significant Acp5 •Col9a1 -log10 Adjusted P-value 15 10 -5 0 -20 -10 20 10

log2 Fold Change

Volcano Plot: proliferative Mylpf Significance 14 Acta1 Significant Col27a1 Not Significant 12 Tnnt3 Atp2a1 -log10 Adjusted P-value 10 -8 6 4 2 0 -20 -10 10 20 log2 Fold Change



Volcano Plot: superficial Prg4 Significance 17.5 Significant Not Significant 15.0 Fmod 12.5 -log10 Adjusted P-value Bgn -Mgp 10.0 -Sparc 7.5 5.0 2.5 0.0 -20 -10 10 20 -30

log2 Fold Change