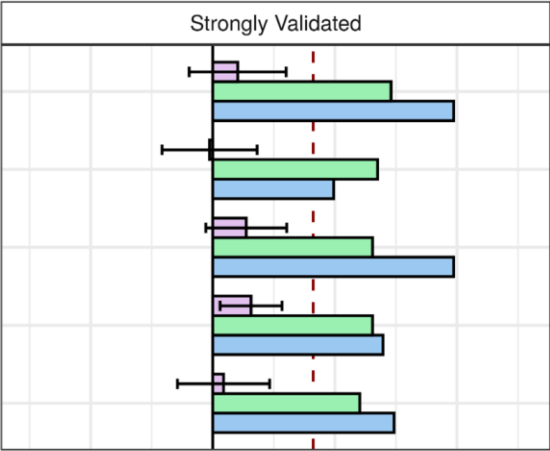


(A) Bone Density (pc-HiC: Global)



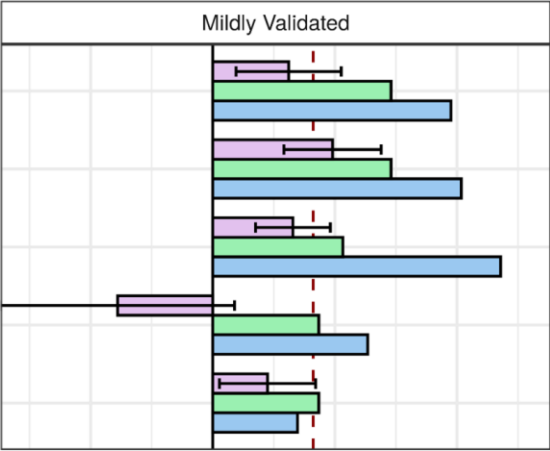
Epithelial to Mesenchymal Transition

Response to BMP

Regulation of Chondrocyte Differentiation

Pathway Restricted SMAD Protein Phosphorylation

Developmental Induction



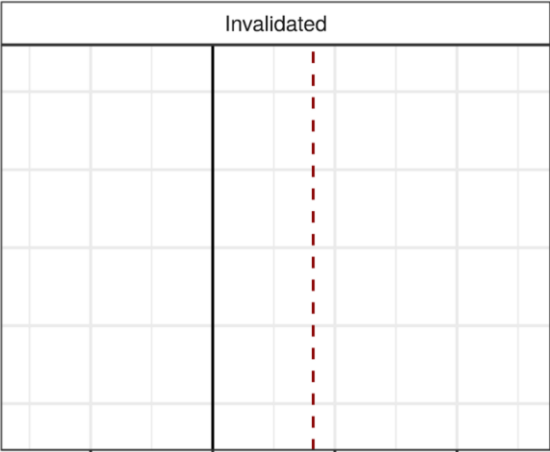
Morphogenesis of a Branching Structure

Mesonephros Development

Regulation of Ossification

Roof of Mouth Development

Regulation of Lamellipodium Organization



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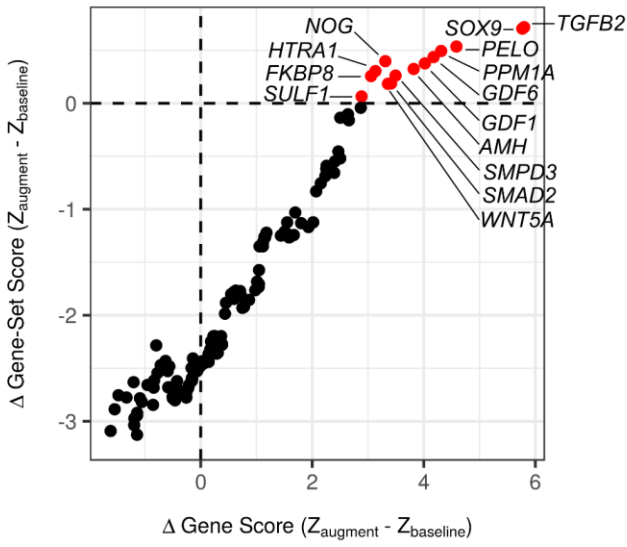
4

Gene-Set Score (Z-Statistic)

SNV-to-Gene Mapping

- Baseline Model
- Baseline Model + pc-HiC (Genuine)
- Baseline Model + pc-HiC (Random)

(B) Bone Density
Response to BMP (pc-HiC: Global)



(C) Bone Density
Response to BMP (pc-HiC: Global)

