



**Figure 3. Heatmap of sulcus and crest GSEA biological processes**

Using the DE genes from the sulcus and crest, GSEA biological processes were derived and plotted in a heatmap comparing (A) CTE vs Control and (B) CTE vs RHI. Processes were included if they were significantly enriched (FDR adjusted  $p < 0.1$ ) in at least one region. Each GSEA biological process was assigned to 1 of 11 biological categories to better identify overall changes.