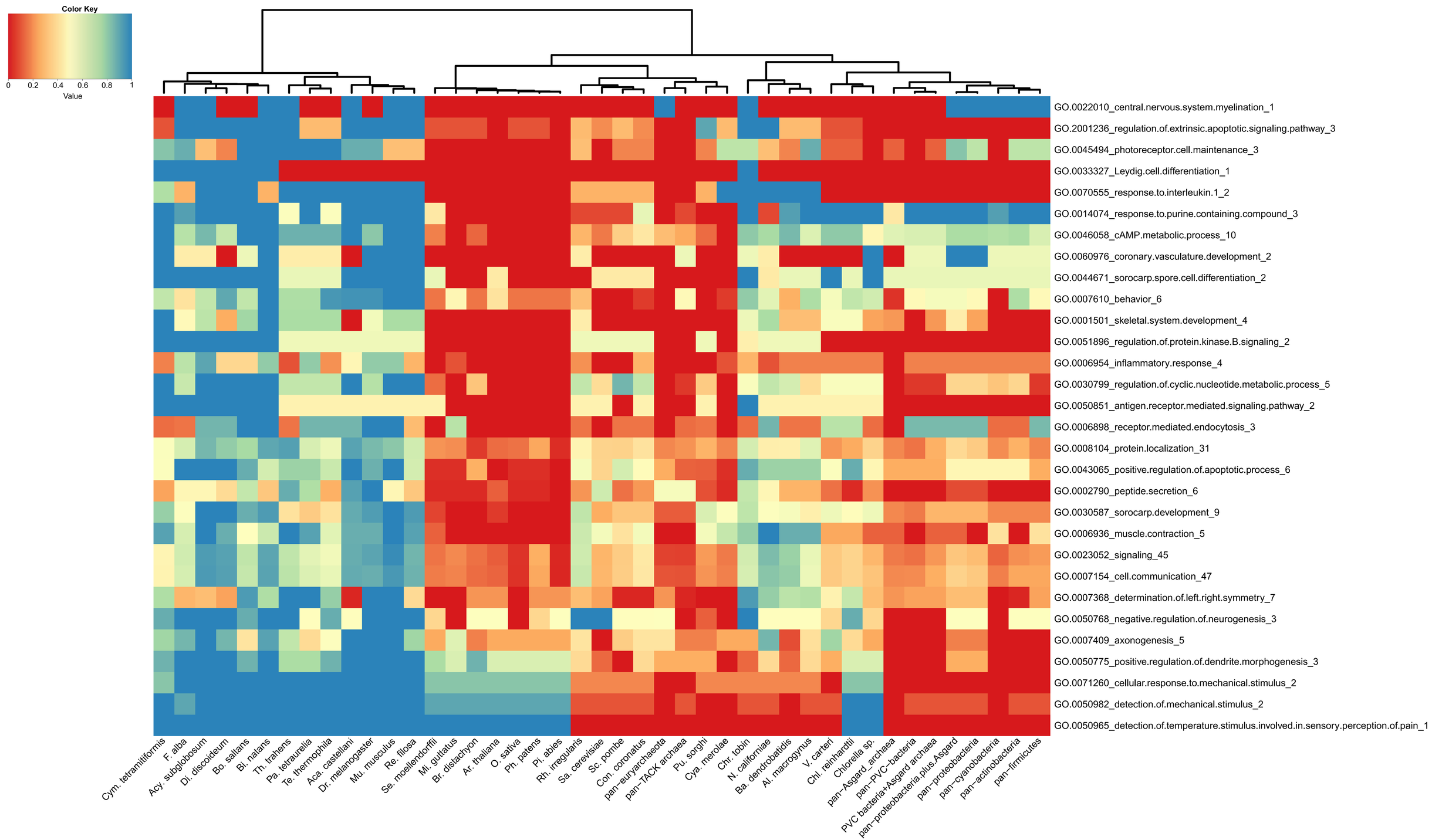Extended Data Figure 19