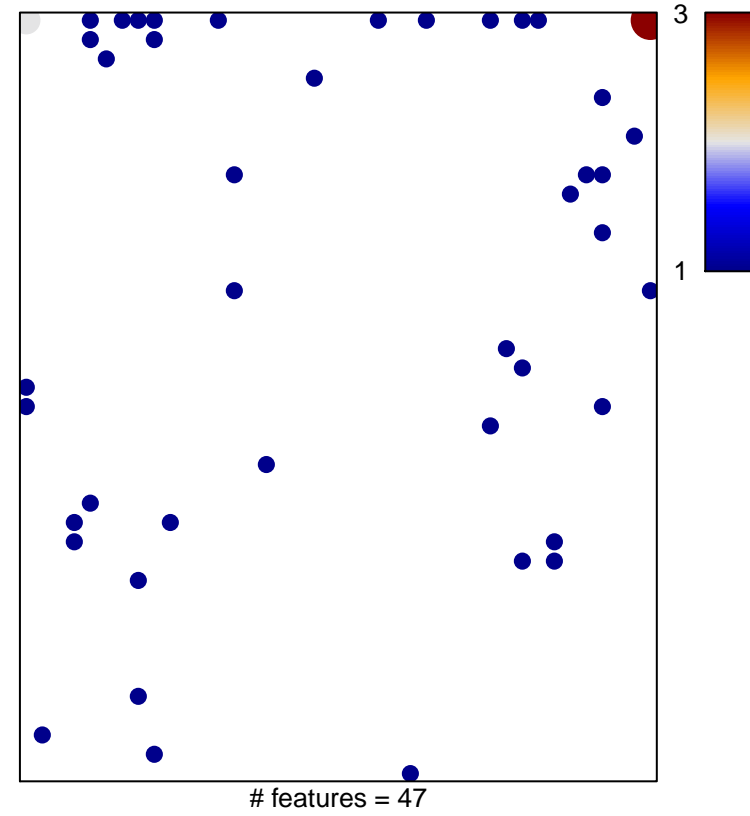
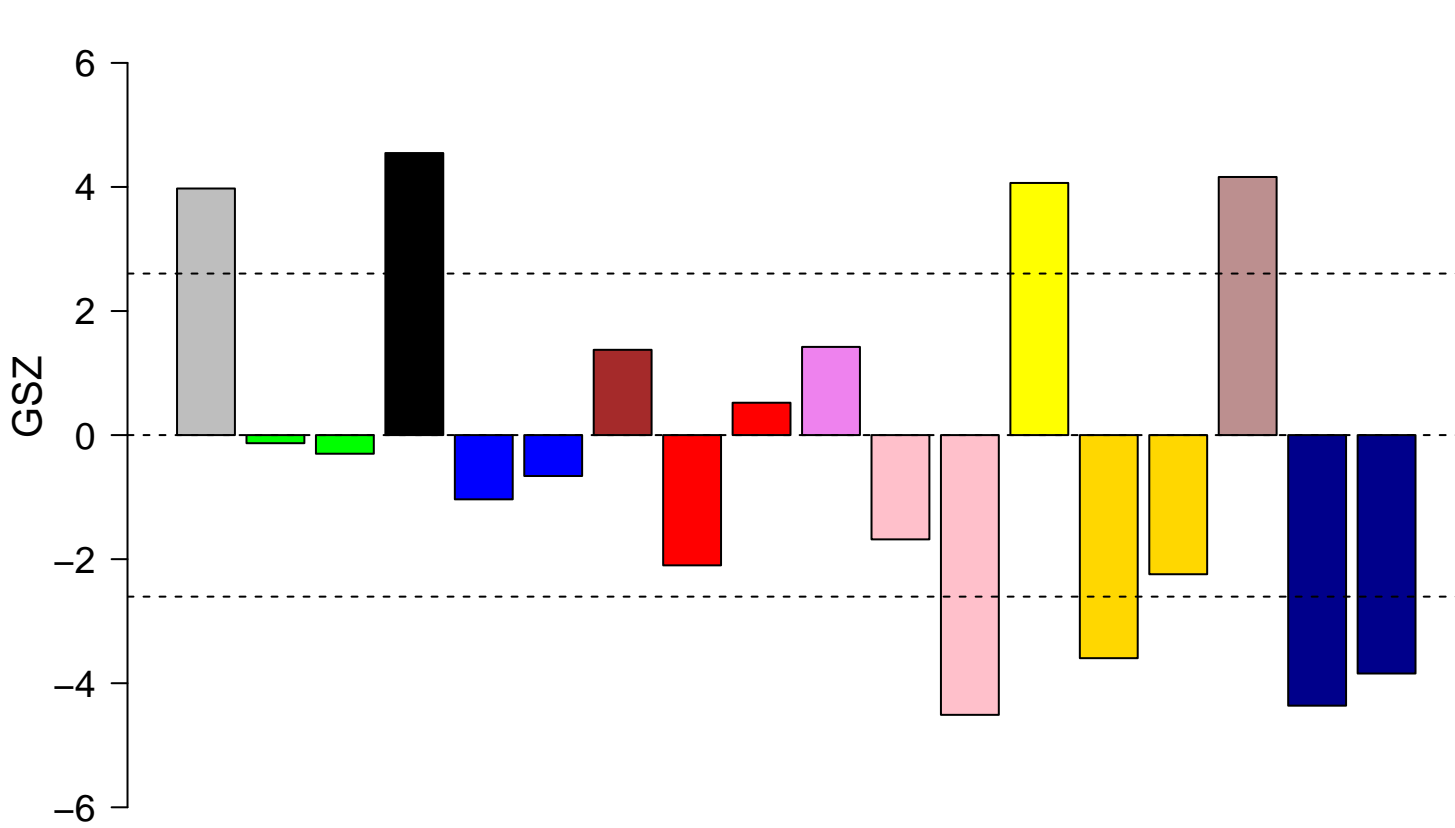


Figure 3 displays the GSZ (Genetic Similarity Z-score) and  $\Delta e$  (change in evolutionary distance) for tubulin and actin genes across various conditions.

The top panel shows the GSZ values for 15 genes across 10 conditions. The y-axis represents GSZ, ranging from -4.51 to 4.55. The x-axis lists the genes: tuba2, tuba1c, tuba1a, zgc:153426, zgc:65894, tuba4l, epb41l3b, sptb, epb41b, frmd6, and tubb1. The conditions are color-coded: 24hpf\_neg (grey), 24hpf\_pos (green), 48hpf\_neg (blue), 48hpf\_pos (red), 72hpf\_neg (pink), 72hpf\_pos (dark red), 72hpf\_neg\_gata5 (purple), 72hpf\_pos\_gata5 (orange), 72hpf\_neg\_tbx5 (yellow), and 72hpf\_pos\_tbx5 (black). A dashed horizontal line is drawn at GSZ = 0.

The bottom panel shows the  $\Delta e$  values for the same genes and conditions. The color scale ranges from -5.8 (blue) to 5.3 (red), with white representing 0. The color scale is labeled  $\Delta e$ .

# structural constituent of cytoskeleton



on  
-  
off



# structural constituent of cytoskeleton

