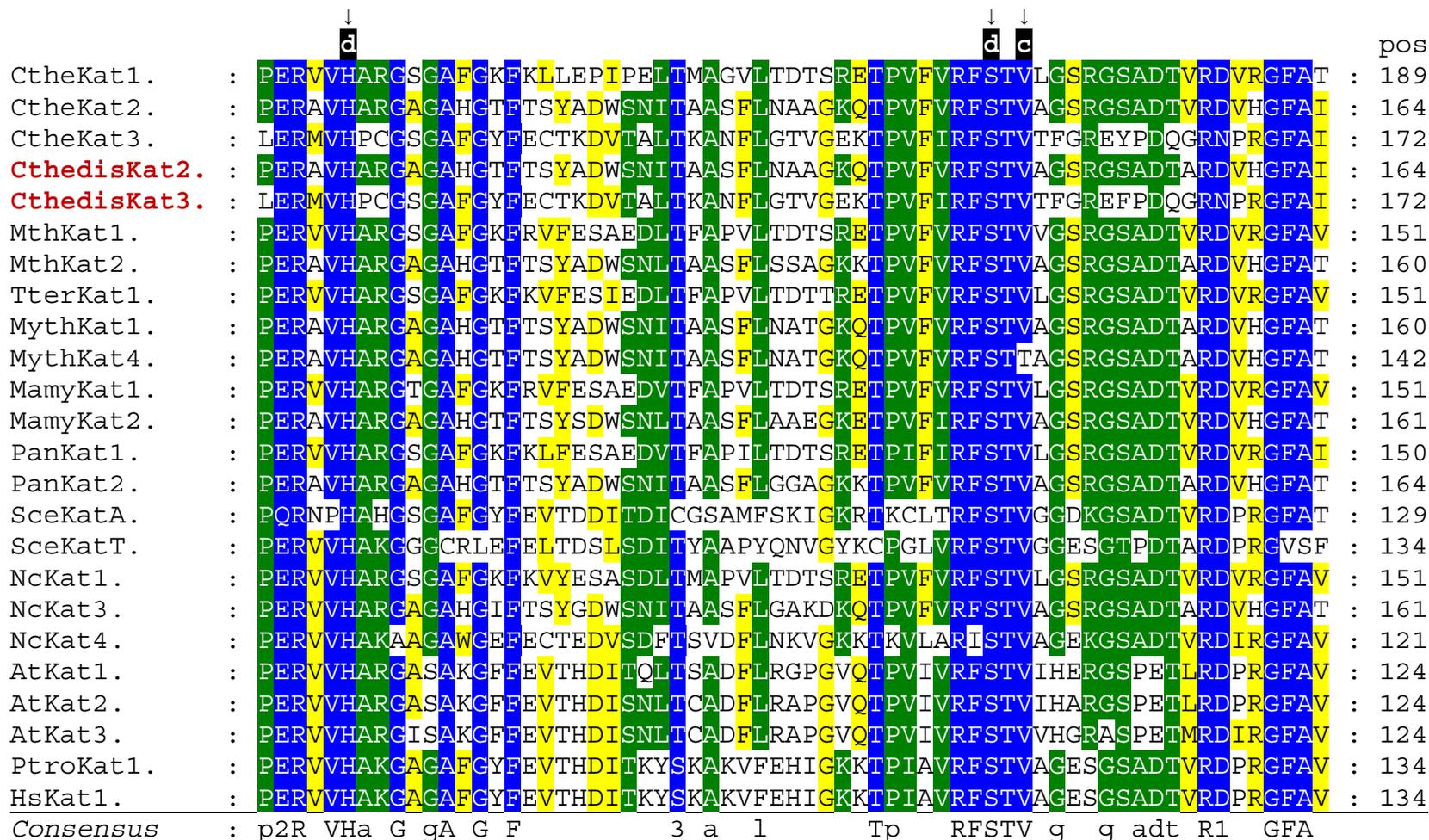
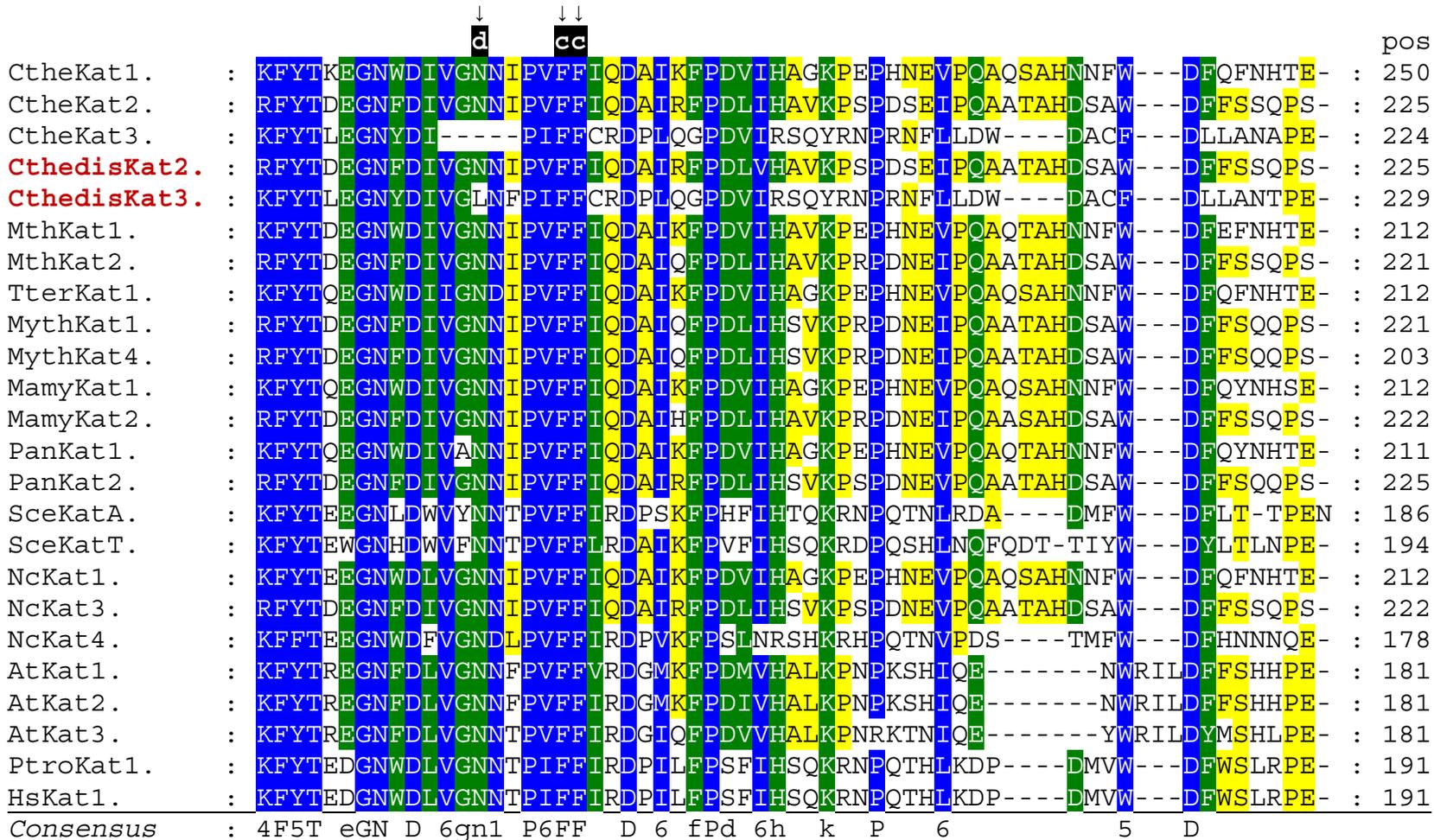


A)



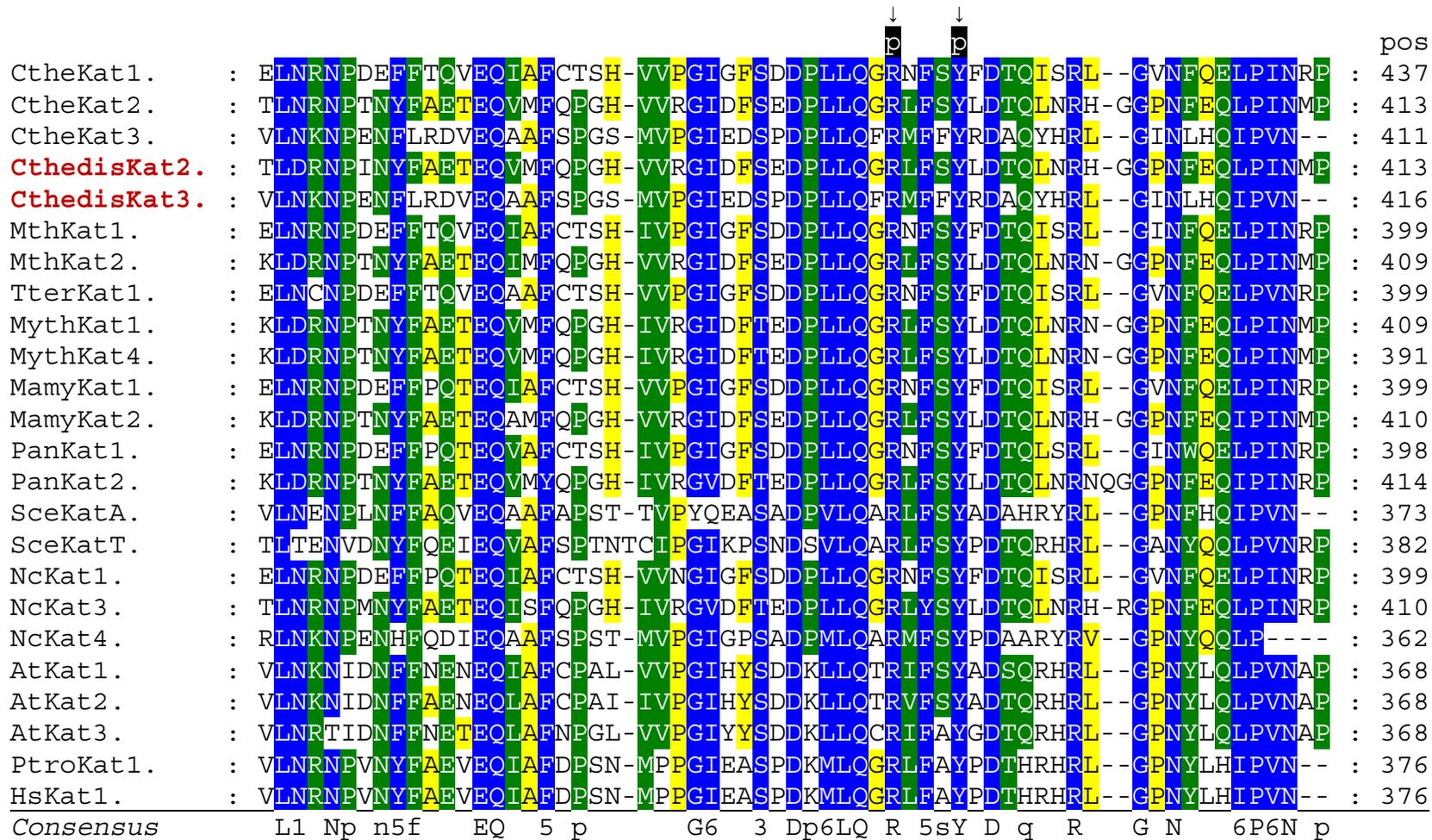
Suppl. Figure 4. Multiple sequence alignment showing conserved essential regions of typical heme catalases obtained with Muscle implemented in MEGA X package [14]. Presented highly conserved regions are A) distal side of heme & B) proximal side of heme. Color scheme: blue - highly conserved positions (above 95% of all aligned sequences), green - moderately conserved (between 75-95%), yellow - weakly conserved positions (between 50-75%). Numbers on the right represent corresponding amino acid position of each sequence.

A) (continued)



Suppl. Figure 4 continued.

B)



Suppl. Figure 4 continued.