

Fluorescent proteins from nonbioluminescent Anthozoa species

Because of a printing error, Figure 3 of "Fluorescent proteins from nonbioluminescent Anthozoa species" by Mikhail V. Matz et al., which appeared in *Nature Biotechnology* 17, 969 (October 1999), was printed in black and white. Below is the full color version and caption:

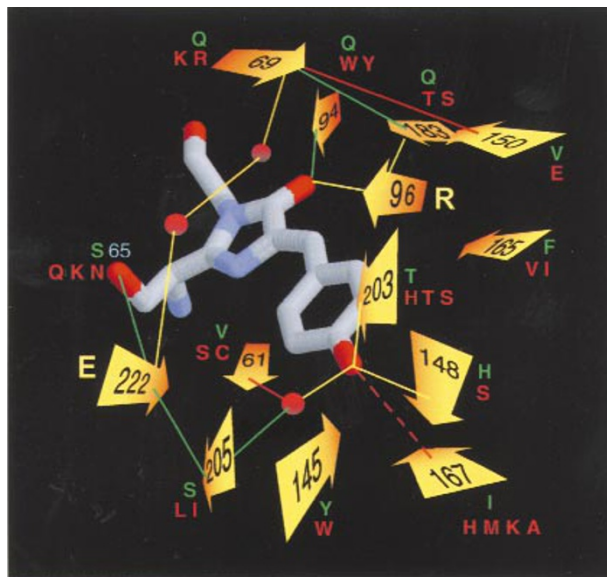


Figure 3. Schematic outline of the fluorophore environment in GFP and its putative variations in new *Anthozoa* proteins. The fluorophore is represented as a "sticks" model; carbons are gray, nitrogens are blue, and oxygens are red. Arrows represent side chains at positions corresponding to the numbers on the arrows. An arrow points in the approximate direction from the alpha carbon toward the distal side chain atoms. Red balls represent buried water molecules. A green letter near an arrow identifies the particular residue in GFP; red letters identify equivalent residues in the newly identified proteins; yellow letters identify strictly conserved residues (Glu222 and Arg96). Lines represent polar interactions: Conserved interactions are yellow; interactions found only in GFP are green; and the putative interactions in the new proteins are red.