FIG. 2. The architecture of EH domain-containing proteins. The EH domains are shown in green. The positions of SH3, DH, PH, and C2 domains are denoted in the proteins, along with potential coiled-coil regions. Potential ligand sites for the α-ear of AP-2 and SH3 domains are shown as DPF and PxxP, respectively. The yeast protein End3p contains a second region of similarity to the EH domain that is denoted as EH9. The proteins are drawn to scale with the bar corresponding to 100 amino acids. A color-coded legend is also provided. Other EH-containing proteins, identified so far in different organisms, include (in parentheses are the GenBank accession numbers) in Homo Sapiens, HPAST (AF001434.1) and its rat
and D. melanogaster homologues MGEPS (AF081251.1) and PAST-1 (U70135.1); in C. elegans, the Eps15 orthologue EHS-1 (U29244.1) and the predicted proteins of genes Y116A8C.36 (AL117204.1) and R10E11.6 (P34550); in S. pombe, the predicted products of genes SPA1687.09 (AL035064.1), SPAC27F1.01c (Z69368.1), and SPBC83.01 (AL035536.1); in P. falciparum, sarcalumenin (U84395.1); in Emericella nodulans, SAGA (U28804.1); and in Arabidopsis thaliana, the product of gene F8K7.4 (AC007727.2).