FIG. 8 Sector identification for the DHFR and β-lactamase protein families. Panels A and C show the IC-based sub-matrix of the $C_{ij}$ matrix for the DHFR and the β-lactamase protein families. The cartoons at right indicate the sector analyses. DHFR displays considerable transitive external correlations between ICs, suggesting a single sector. The β-lactamase family displays two sectors, one comprising IC2 and the other comprising ICs1, and 3-6. Panels B and D show the positions contributing to each IC mapped to the protein structure; in each case the sectors form physically contiguous structural units.