

map of the FMN cofactor. (*b*) The $1\sigma 2F_o - F_c$ electron-density map of the active site Cys512 and FMN in the two chains. (*c*) Traces of the $1\sigma 2F_o - F_c$ and $3\sigma F_o - F_c$ electron-density maps in the vicinity of the C-terminus of I β (yellow $C\alpha$ trace) and the N-terminus of J α (green $C\alpha$ trace) of chain A that were difficult to interpret. (*d*) The two-chain arrangements (dimers) of some PAS domain constructs with PDB entry and abbreviated/full-length protein names or UniProtKB identifier in parentheses (PAS cores (grey and white); the A' α helix (light/dark blue), the J α helix (light/dark green) and preceding A' α secondary structure elements (red)).