



Figure 8.5. COSY, RELAYED-COSY, and DOUBLE-RELAYED-COSY connectivity diagrams for the spin systems of nonlabile protons in the common amino acid residues (Table 2.2). Each square represents a 2D spectrum for an amino acid residue or a group of residues. The positions of the diagonal peaks are represented by filled circles, COSY connectivities by open circles and solid lines, RELAYED-COSY by crosses and broken lines, DOUBLE-RELAYED-COSY by stars and dotted lines. Additional relayed connectivities may be propagated through the geminal coupling in CH_2 groups, for example, $\alpha\text{H} \rightarrow \beta\text{H} \rightarrow \beta'\text{H}$. Arbitrary chemical shifts have been chosen to enable a clear presentation.

