Figure 8.5. COSY, RELAYED-COSY, and DOUBLE-RELAYED-COSY connectivity diagrams for the spin systems of non-able 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 CH₃ groups, for example, αH → βH → β'H. Arbitrary chemical shifts have been chosen to enable a clear presentation.