

# Analysis of DNA Minor Groove Binding Patterns

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We built up a database of all known 3D structures of minor groove binder - DNA complexes. The database contains a thoroughly collected list of all types of interactions involved in complex formation. It is intended to support efforts towards discovery of new minor groove binding scaffolds. Here we present preliminary results of a statistical analysis with respect to geometric features. Interaction patterns emerging from this investigation and implications of distance and angle distributions are discussed.

