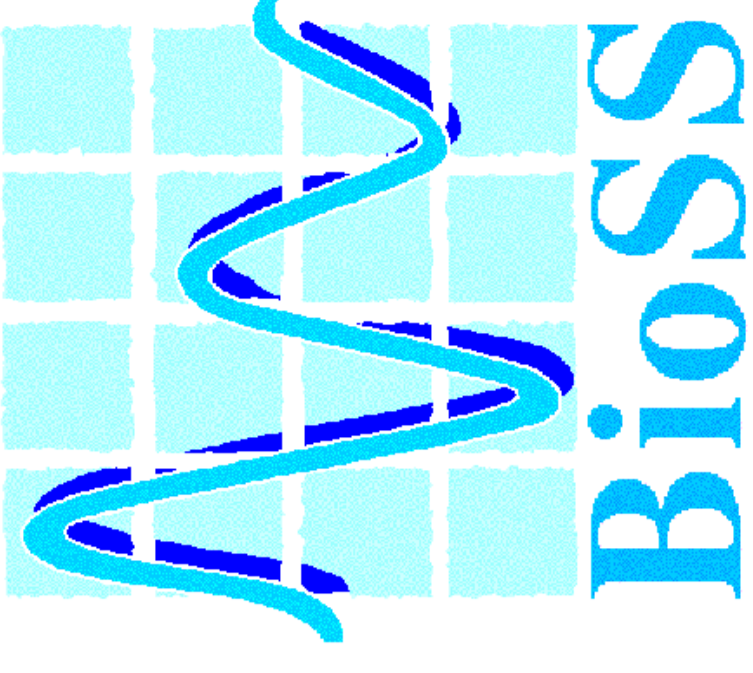


Comparative Evaluation of Reverse Engineering Gene Regulatory Networks with various Machine Learning Methods: Results



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Abstract: Cross-data comparison between BNs, GGMs and RNs. The histograms show the average AUC scores and TP counts for BNs (black bars), GGMs (grey bars) and RNs (white bars). The codes under the histograms indicate the type of evaluation (UGE versus DGE) and whether observational (Obs) or interventional (Int) data have been used. The six panels refer to different data and scoring criteria. From left to right and from top to bottom: 1) Gaussian data, AUC; 2) Netbuilder data, AUC; 3) Cytometry data, AUC; 4) Gaussian data, TP; 5) Netbuilder data, TP; 6) Cytometry data, TP.

