



Figure S6: Estimated and real precision-recall curves for dataset 4 of the DREAM challenge. The real precision was computed according to the groundtruth, whilst the estimated precision was obtained from the estimated FDR from the respective inference method ( $\text{precision} = 1 - \text{FDR}$ ). Only genes with cis-eQTLs were considered as primary targets in prediction and validation. Both the novel (**A**, **B**) and the traditional (**C**, **D**) tests were evaluated. In **A**, **C** the original groundtruth table was used to validate predictions, whereas in **B**, **D** an extended groundtruth was used that also included indirect regulations at any level based on the original groundtruth.