



## Map above provided by the DF/HCC DNA Resource Core

Created in Vector NTI using user-supplied sequence Some features annotated with ApE (M. Wayne Davis) http://dnaseq.med.harvard.edu http://plasmid.hms.harvard.edu

**Map below from authors' publication** Judson & Mekalanos (2000) *TnAraOut, A transposon-based approach to identify and characterize essential bacterial genes.* Nat Biotech.

