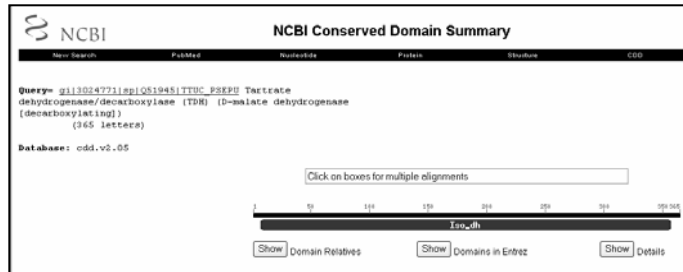
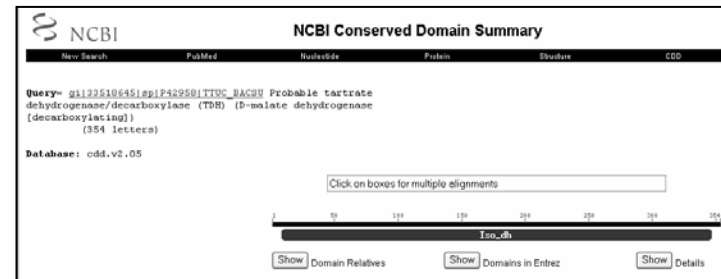


Figure S1. Comparison of conserved domain(s).

(A) D-Malate dehydrogenase (1.1.1.83)

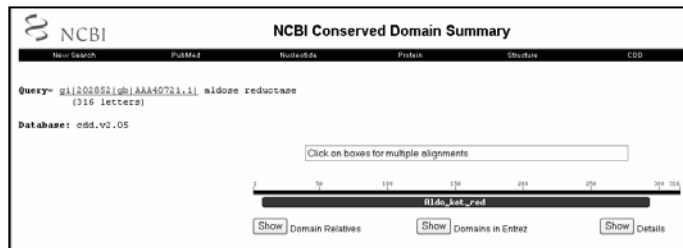


Pseudomonas putida

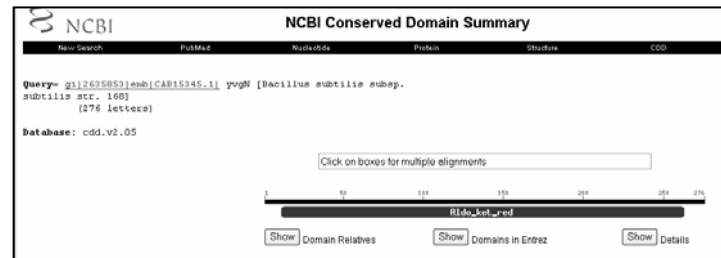


ycsA, Bacillus subtilis

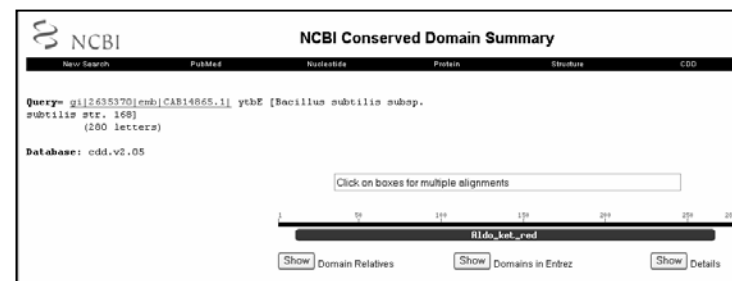
(B) Aldose reductase (1.1.1.21)



Rattus norvegicus

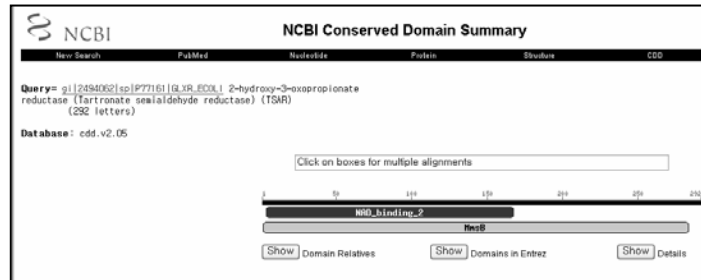


yvgN, Bacillus subtilis

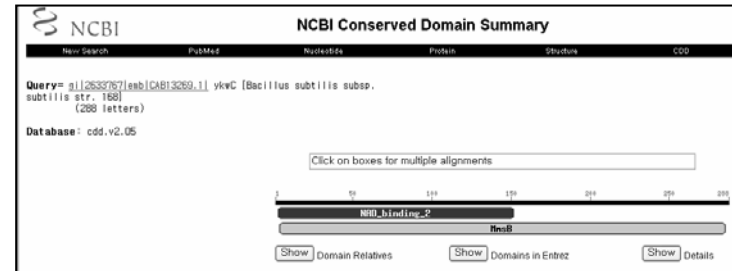


ytbE, Bacillus subtilis

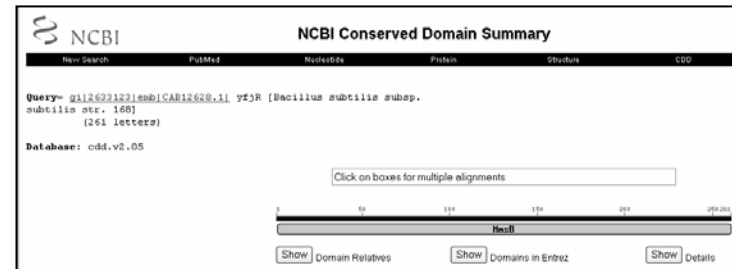
(C) Tartronate semialdehyde reductase (EC1.1.1.60)



E. coli

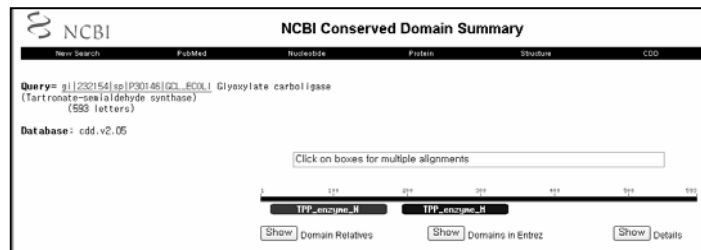


ykwC, Bacillus subtilis

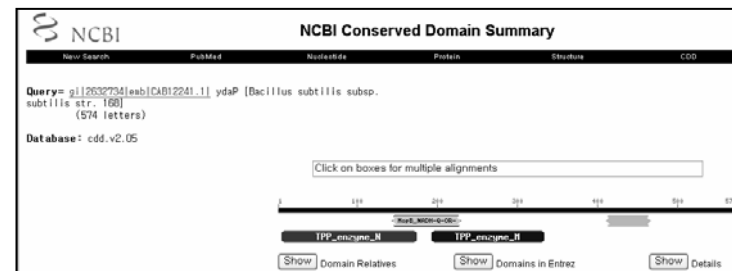


yfjR, Bacillus subtilis

(D) Tartronate semialdehyde synthase (EC4.1.1.47)

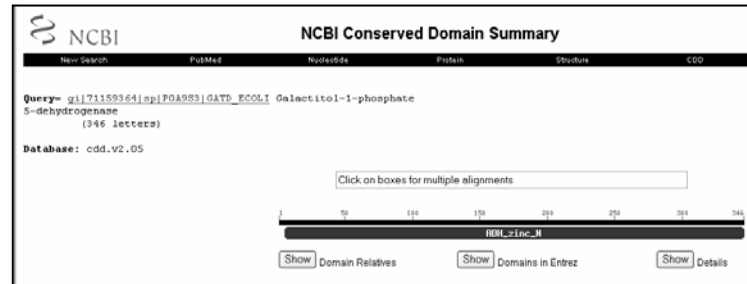


E. coli

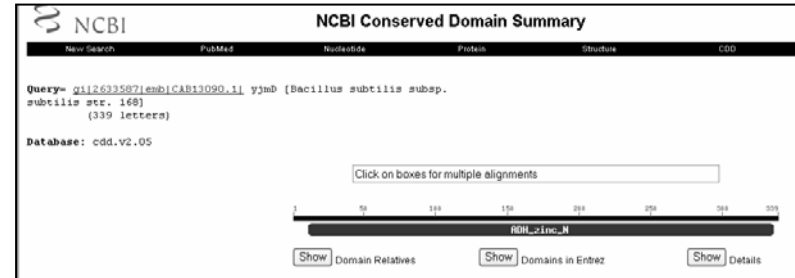


ydaP, Bacillus subtilis

(E) Galactitol 1-phosphate 5-dehydrogenase (EC1.1.1.251)



E. coli



yjmD, Bacillus subtilis