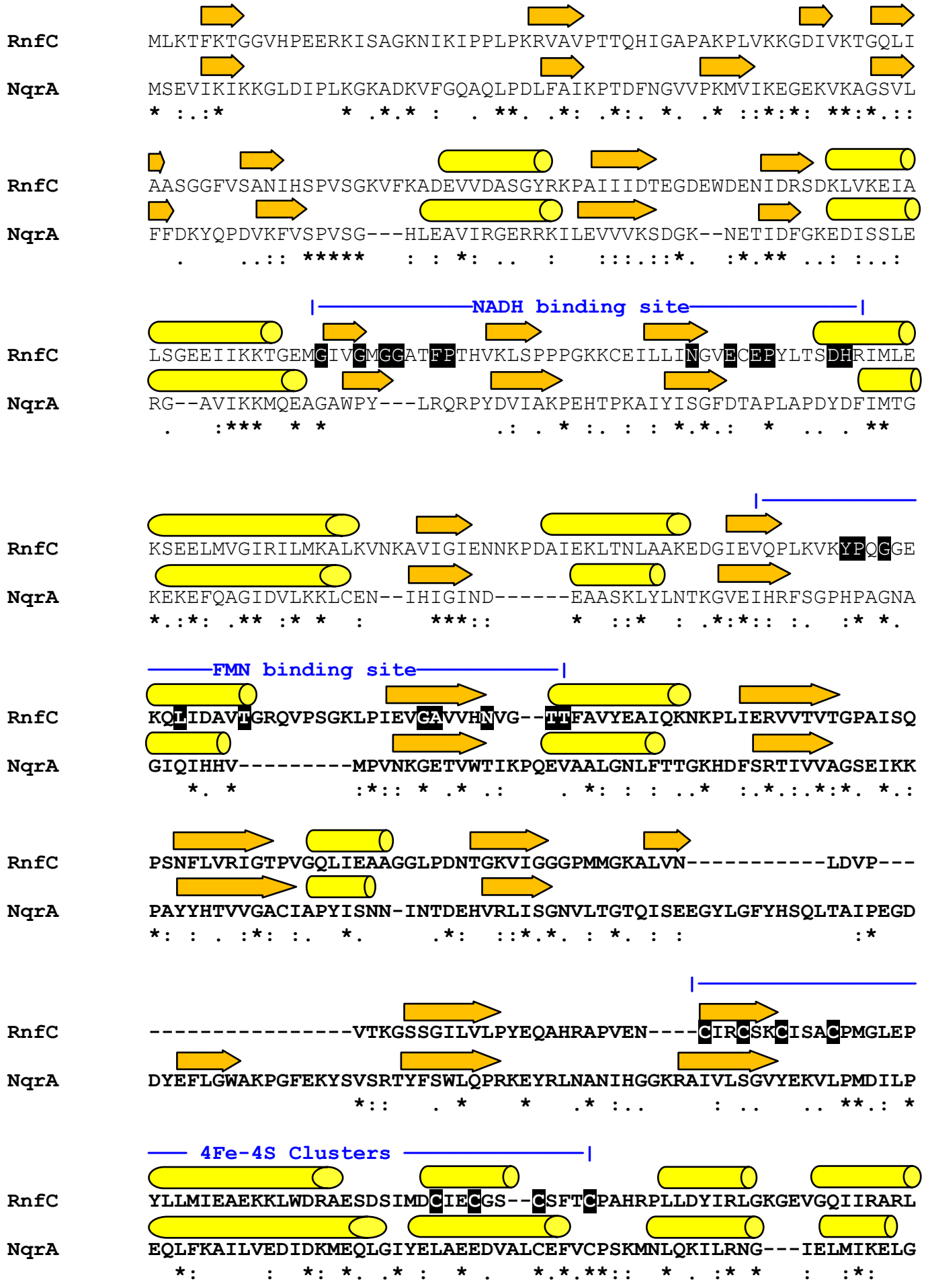
Figure S1


RnfC MLKTFKTGGVHPEERKISAGKNIKIPPLPKRVAVPTTQHIGAPAKPLVKKGDIVKTGQLI
NqrA MSEVIKIKKGLDIPLKGKADKVFGQAQLPDLFAIKPTDFNGVVPKMVIKEGEKVKAGSVL
RnfC AASGGFVSANIHSPVSGKVFKADEVVDASGYRKPAIIIDTEGDEWDENIDRSDKLVKEIA
NqrA FFDKYQPDVKFVSPVSG---HLEAVIRGERRKILEVVVKSDGK--NETIDFGKEDISSLE
NADH binding site
RnfC LSGEEIIKKTGEMGIVGMGGATFPTHVKLSPPPGKKCEILLINGVECEPYLTSDHRIMLE
NqrA RG--AVIKKMQEAGAWPY---LRQRPYDVIAKPEHTPKAIYISGFDTAPLAPDYDFIMTG
RnfC KSEELMVGIRILMKALKVNKAVIGIENNKPDAIEKLTNLAAKEDGIEVQPLKVKYPQGGE
NqrA KEKEFQAGIDVLKKLCEN--IHIGIND------EAASKLYLNTKGVEIHRFSGPHPAGNA
FMN binding site
RnfC KQLIDAVTGRQVPSGKLPIEVGAVVHNVG--TTFAVYEAIQKNKPLIERVVTVTGPAISQ
NqrA GIQIHHV---------MPVNKGETVWTIKPQEVAALGNLFTTGKHDFSRTIVVAGSEIKK
RnfC PSNFLVRIGTPVGQLIEAAGGLPDNTGKVIGGGPMMGKALVN-----------LDVP---
NqrA PAYYHTVVGACIAPYISNN-INTDEHVRLISGNVLTGTQISEEGYLGFYHSQLTAIPEGD
RnfC ----------VTKGSSGILVLPYEQAHRAPVEN----CIRCSKCISACPMGLEP
NqrA DYEFLGWAKPGFEKYSVSRTYFSWLQPRKEYRLNANIHGGKRAIVLSGVYEKVLPMDILP
4Fe-4S Clusters
RnfC YLLMIEAEKKLWDRAESDSIMDCIECGS--CSFTCPAHRPLLDYIRLGKGEVGQIIRARL
NqrA EQLFKAILVEDIDKMEQLGIYELAEEDVALCEFVCPSKMNLQKILRNG---IELMIKELG