**Ciprofloxacin induced antibiotic resistance in *Salmonella* *Typhimurium* mutants and genome analysis**

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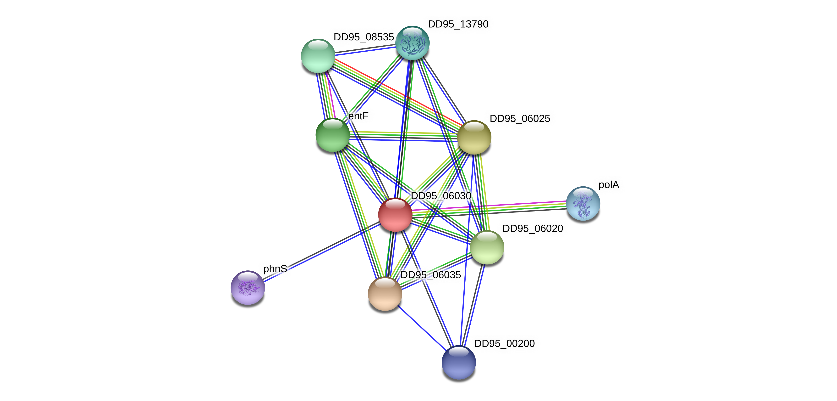
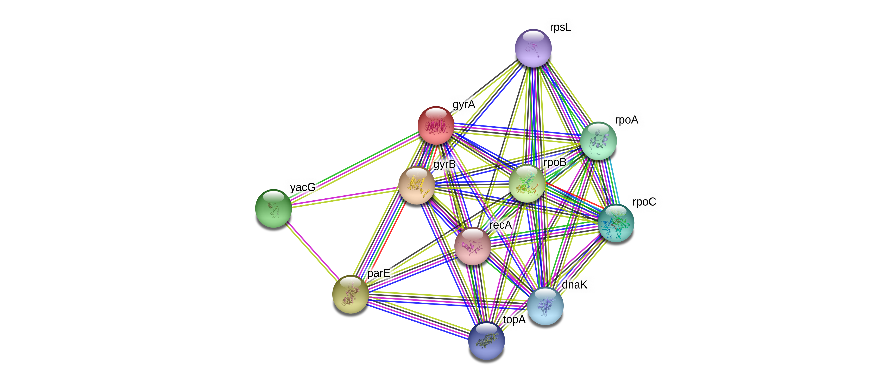
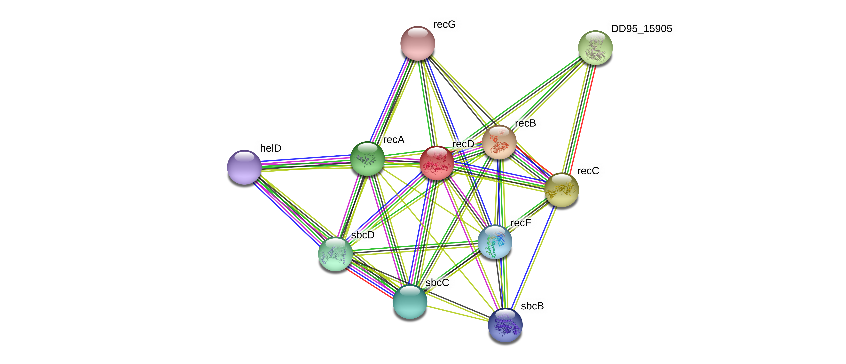
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***sbc*C**

***rec*D**

***gyr*A**

***iro*C**

**Fig. S1** Relationship between different genes. *rec*D, *sbc*C interact very strongly. they interact with *gyrA* via *recA*. surprisingly *iroC* interacts with *gyrA* through *polA* another polymerase; so, we propose that to develop resistance to ciprofloxacin, the mutations in these genes collected probably led to DNA breakages/slippage during replication etc and error prone recombination repair leading to such high number of mutations