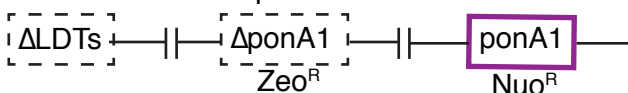
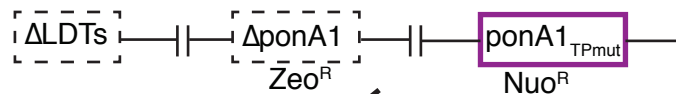


positive control swap of a
NuoR marked WT ponA1



L5 allele
swapping

test swap of a transpeptidase
null allele of ponA1



Count colonies and patch for
NuoR and KanR. Colonies that
are NuoR only are a successful
swap, double resistant colonies
are double integrants and are
deemed unsuccessful swaps