Citrobacter	Salmonella	Escherichia	Klebsiella	Enterobacter	Essentiality Non-essential Essential accA accB
					accC accD acpP acpS adk alaS argS
					asd asnS bamA bamD cca coaA coaD coaE
					cysS dapA dapB dapD dapE dfp dnaA dnaB
					dnaC dnaE dnaN dnaQ dnaT dut dxr
					dxs engB eno era erpA fabB fabD fabG
					fabG fabI fabZ ffh fldA folC folE folK
					frr ftsA ftsH ftsI ftsQ ftsY ftsZ
					fusA gapA gcp glmM glmU glnS gltX glyQ
					glyS gmk groL groS gyrA gyrB hemA hemC
					hemE hemG hemH hisS hoIA hoIB ileS
					infB ispB ispF ispG kdtA lepB leuS lexA
					lgt ligA Int lolB lolC lolD
					IptA IptB IpxA IpxB IpxC IpxD IpxH
					IpxK IspA IysS metG metK mraY mrdB mreC
					msbA mukB mukE mukF murA murB murC
					murD murE murF murG murI nadD nusG obg
					pgk pgsA pheS pheT plsB plsC ppa
					ppnK prfB proS prs psd pssA pth pyrG
					pyrH rho ribA ribB ribD ribE ribF
					ribH rimM rlpB rnpA rplB rplC rplD rplE
					rpIF rpIJ rpIK rpIL rpIM rpIN rpIO
					rpIP rpIQ rpIR rpIS rpIU rpIV rpIW
					rpIX rpIY rpmA rpmC rpoA rpoB rpoC rpoD
					rpoH rpsA rpsB rpsC rpsD rpsE rpsG
					rpsH rpsJ rpsK rpsL rpsM rpsN rpsP rpsQ
					rpsR rpsS rpsU secA secD secE secY
					serS thrS thyA tilS tmk trmD tsf ubiA
					ubiB ubiD ubiE uppS valS ybeY yeaZ
					yidC yjeE yjgP yjgQ yqgF dnaG fabA fabH
					hemD infC ispH kdsA lptD mviN nadE
					rpmB rpmH secF def dicA dnaK fmt folB
					foID ftsB ftsL ftsW hemB infA map
					nusB rpIT rpsF rpsT ssb tadA dapF hemL
					rsgA ubiG ispD kdsB priA rpmD ci
					lipA lpdA rpml yadF yciM glmS topA gpsA
					minE orn ubiX hoID trpS kdtX rnc
					grpE aspS der fbaA foIA foIP hoIC ispE
					murR parC ybeD gutQ ihfA ihfB priB
					secB glyA iscS mrdA mreD nrdB nusA rimN
					suhB birA nrdA ygfZ ispA thiL ubiH
					csrA rbfA polA ubiF aceF fepC fepD
					fepG ftsE ftsX rep rne rpiA wzyE cohE
					mnmA rplA rpsO yddM cydA cydB cydC
					cydD hda purB crr gnsA hipB htrB phoU
					rpsI rseP gmhA hldD hldE rfaC rfaF
					waaG yciS dnaX galU loIA mreB msbB
					parE prfA repA rfbA rfbB sucB tchA tusB
					tusC tyrS ugd wbdB wzxA y0187 yefM
					yefM yejM yrfF