					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 fabI fabZ ffh fldA folC folE	
					folk frr ftsA ftsH ftsI ftsQ ftsY	
					fusA gapA gcp glmM glmU glnS gltX glyQ	
					glyS gmk groL groS gyrA gyrB hemA	
					hemE hemG hemH hisS hoIA hoIB ileS infB ispB	
					ispF ispG kdtA lepB leuS lexA lgt ligA	
					Int IoIB IoIC IoID IoIE IptA IptB IpxA	
					IpxB IpxC IpxD IpxH IpxK IspA IysS metG	
					metK mraY mrdB mreC msbA mukB mukE mukF	
					mukl- murA murB murC murD murE murF murG murI	
					nadD nusG obg pgk pgsA pheS pheT plsB	
					plsB plsC ppa ppnK prfB proS prs psd pssA	
					pth pyrG pyrH rho ribA ribB ribD	
					ribF ribH rimM rlpB rnpA rplB rplC rplD	
					rpIE 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	Essentiality 0 ■ 1
					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	
					kdsA lptD mviN nadE rpmB rpmH secF def dicA	
					dicA dnaK fmt folB folD 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 folA folP holC	
					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	
					rpiA rpsO yddM cydA cydB cydC cydD hda purB	
					crr gnsA hipB htrB phoU rpsI rseP	
					gmhA hldD hldE rfaC rfaF waaG yciS dnaX	
					galU lolA mreB msbB parE prfA repA rfbA	
					rfbA rfbB sucB tchA tusB tusC tyrS ugd wbdB	
bacter	onella	richia.	osiella	bacter	wbdB wzxA y0187 yefM yejM yrfF	
Citrobac	Salmon	Escherichia	Klebsi	Enterobad		