1			wMeur1		W MCurz	wraar	WAICC	wcie	VV IVIIII	W Inicio		weier	0.001		
. 1	Thiamine	iscS													_
		adk												present	abser
		tenA													
ł	Riboflavin	ribA													
		ribD													
		ribB													
		ribH													
						<u> </u>									
		ribF				<u> </u>									
		ribE													
	Pyridoxine	pdxJ													
2		pdxH													
	Folate	foIA/DHFR													
5		folB													
		folKP													
		folC													
- I-	Biotin	bioA													
	biotin														
		bioB													
		bioC													
		bioD				L									
- 1		bioF													
		birA													
	Pantothenate	panB													
		panG													
		panC				<u> </u>									
_		panD											$\vdash$		
	Asparagine,	ansA													
	Aspartate					-									
	Arginine	argA													
		argB													
		argC													
		argD													
		argG													
		argF (argl,											$\vdash$		
		OTC)													
		argJ													
		argH													
	Phenylalanine	pheA													
		aspC													
	Tryptophan	trpD													
		trpG													
		trpC													
		trpA													
		trpF													
		trpB													
	Sulphate, cysteine	cysN													
		cysD													
		cysC													
		cysH													
		cysl													
		cysJ													
5		cysQ											$\vdash$		
		cysE													
; l		cysK													
i I	Methionine	metA													
=		metB													
5		metC													
		metE													
ł	Lysine	asd													
	-1	dapA													
		dapA													
		dapB													
		dapD													
		dapE													
		dapF													
		lysA											∟ 1		
		thrA													
ļ	Threonine	thrB													
		thrC				<u> </u>									
ŀ	Louging					<u> </u>							$\vdash$		
	Leucine	leuA											$\vdash$		
		leuC											$\vdash$		
		leuD													
		leuB													
ļ	Glycine	glyA													
	Histidine	hisA													
		hisB													
		hisC				<u> </u>							$\left  - \right $		
													$\vdash$		
		hisD													
		hisF													
		hisG													
- 1		hisH													
		hisl					1								

## Supplementary table 5: Overview of metabolic capacities - B vitamines and amino acids

Supplementary table 5: Overview of metabolic capacities - secretion systems and ABC transporters

		wMeur1	wMmer	wMeur2	wPaur	wAlce	wCle	wMhi	wMelo	wOc	wCfeT	sCol
	Type I - tolC						W CIC				weich	
	Type II - gspD											
	Sec-SRP - secA											
	Sec-SRP - secB											
	Sec-SRP - secD											
	Sec-SRP - secF											
	Sec-SRP - secG											
	Sec-SRP - secY											
Ξ	Sec-SRP - YajC											
secretion system	Sec-SRP - YidC											
AS N	Sec-SRP - ftsY											
S C	Sec-SRP - ffh											
<u>.</u>	secE											
ē												
5	Twin arginine targeting - TatA											
š	Twin arginine targeting - TatC											
	Type IV - virB10											
	virB3											
	virB4											
	virB9											
	virB6											
	virB8											
	virB11											
	virD4											
	CcmA											
	CcmB											
	CcmC											
	haem exporter - PstA											
	haem exporter - PstB											
	haem exporter - PstC											
2	haem exporter - PstS											
ę	phosphate trasport system - loIC_E											
nsporters	phosphate trasport system - loID											
1 St	lioprotein releasing systme - ZnuA											
- E	lioprotein releasing systme - ZnuB											
5	lioprotein releasing systme - ZnuC											
ABC tra	zinc transport system - BioY											
4	biotin trasport system - AfuA											
	biotin trasport system - AfuB											
	biotin trasport system - AfuC											
	phospholipid trasport system - MlaC											
	phospholipid trasport system - MlaD											
	phospholipid trasport system - MlaE											
	phospholipid trasport system - MlaF											

present absent

				_	_							
	fabK	wMeur1	wMmer	wMeur2	wPaur	wAlce	wCle	wMhi	wMelo	wOc	wCfeT	sCol
	fabF											
ty acids	fabG											
	fabZ											
Far	fabl fabD											
	fabH											
	prsA											
	purB											
	purC purD											
	purF											
	purK											
	purN											
	purQ purSL											
	purM											
Pur	purE											
	purA purH											
	gmk											
	dgt											
	surE											
	nrdA nrdB											
	guaA											
	guaB											
	carB											
	ругВ ругС											
	pyrD											
s	pyrE											
dine	pyrF pyrH											
	pyrG											
Ρų	surE											
	ndk dut											
	tmk											
	thyX											
	carA											
	gltX hemB											
	hemC											
Ē	hemD											
	hemE hemF											
Po	hemJ											
	ctaB											
	ctaA											
	bfr RIP1											
5	СҮТВ											
ati	CYC1											
hor	COX10 COX11											
dsor	COX15											
	CoxC											
i i i i	CoxA											
oxi	CoxB Cyt. bd ubiquinol oxidase - cydA											
	Cyt. bd ubiquinol oxidase - cydB											
	murG											
	rseP Ion											
	dnaB											
	dnaA											
cle	PerP cell division - ftsW											
	cell division - ftsZ											
ŏ	cell division - ftsQ											
	cell division - ftsA											
	two-component - pleC two-component - pleD											
	ATP-dependent Clp - clpX											
	ATP-dependent Clp - clpP											
	ssb											
	polA dnaE											
-	recJ											
atio	recA											
nbin	recF recO											
Recombination	recR											
œ	recG											
	ruvA											
		<u> </u>										
	ruvB ruvC											
	ruvC gpsA											
	ruvC gpsA plsY											
	ruvC gpsA plsY plsC											
	ruvC gpsA plsY plsC pssA psd											
	ruvC gpsA plsY plsC psA psd cdsA											
	ruvC gpsA plsY plsC pssA psd cdsA pgpA											
ycerophospholipids	ruvC gpsA plsY plsC pssA psd cdsA pgpA pgsA ggsA araM											
ycerophospholipids	ruvC gpsA plsY plsC pssA cdsA ggpA ggsA											

## Supplementary table 5: Overview of metabolic capacities - cellular processes