

Please note the following

Lag = TP1

FT = TP2

Log= TP3

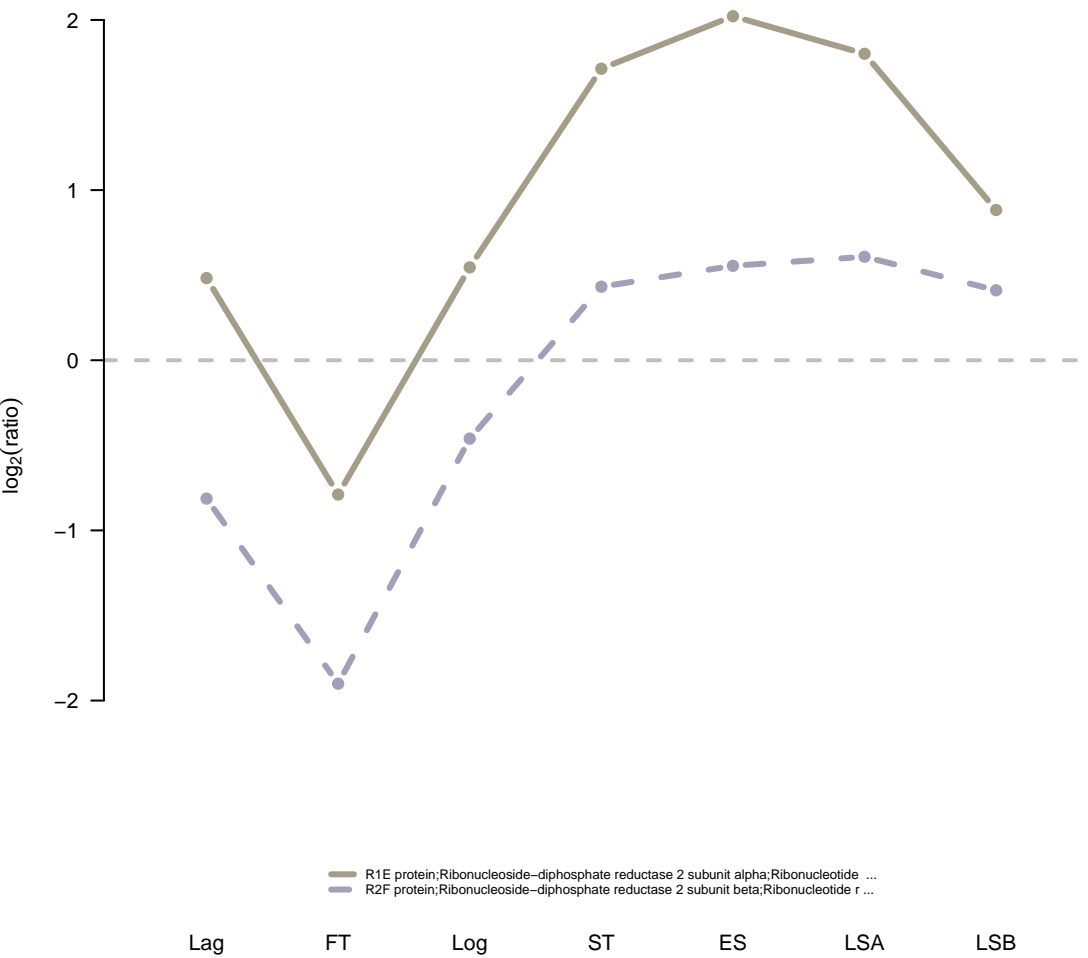
ST= TP4

ES= TP5

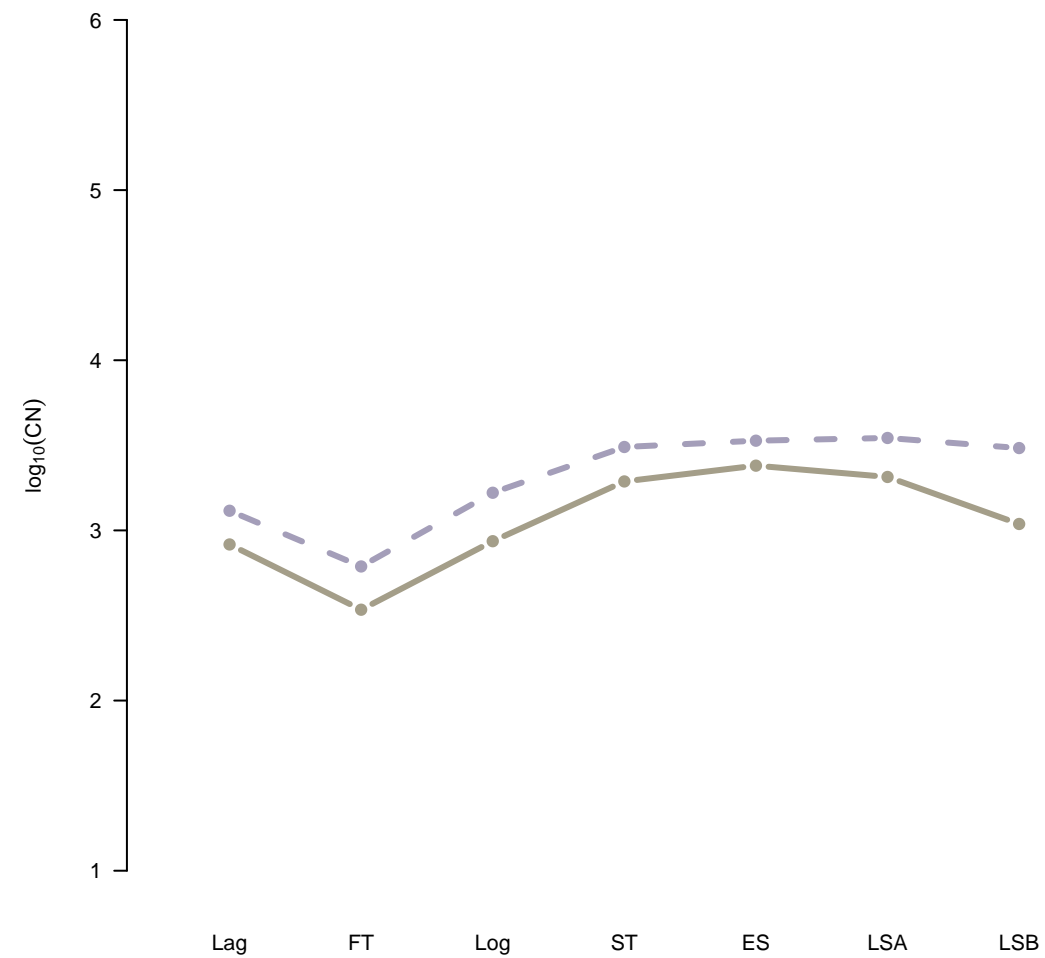
LSA= TP6

LSB = TP7

ribonucleoside diphosphate reductase 2

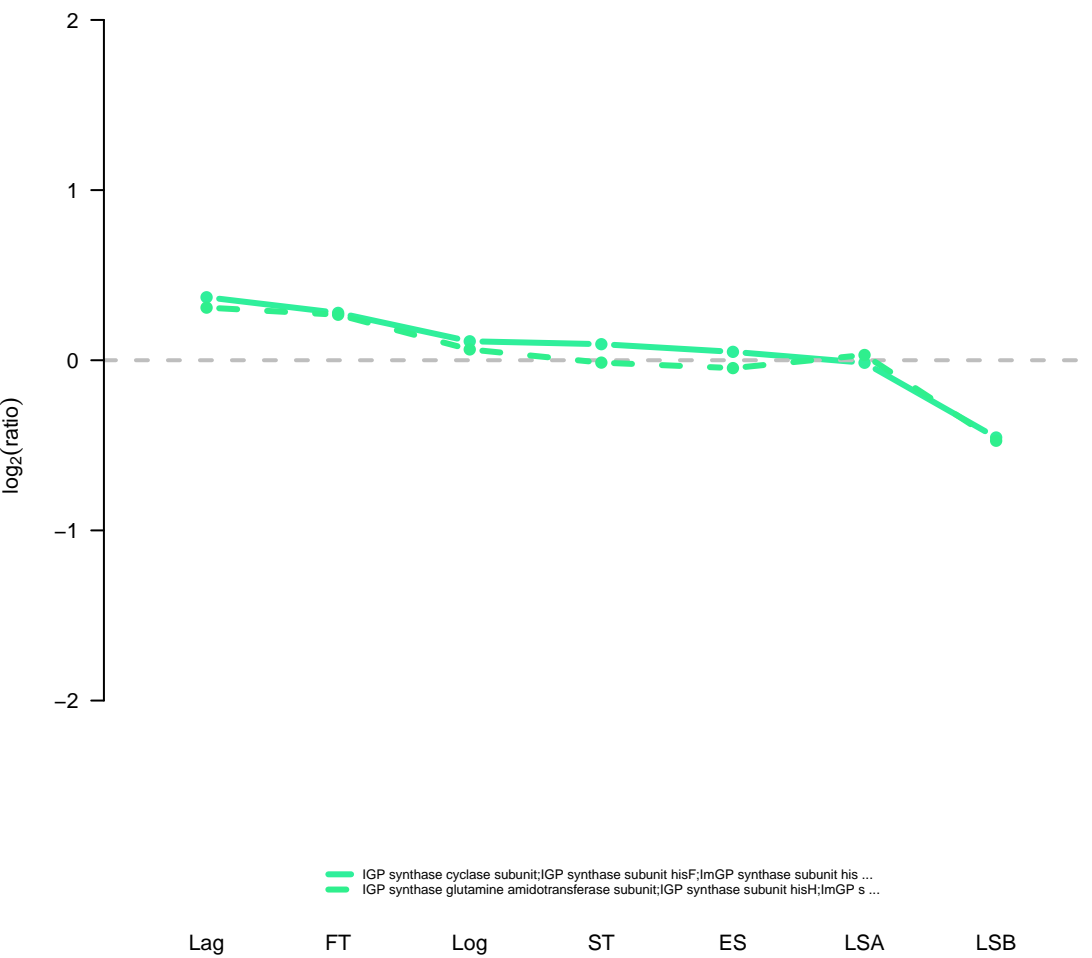


Protein copy numbers

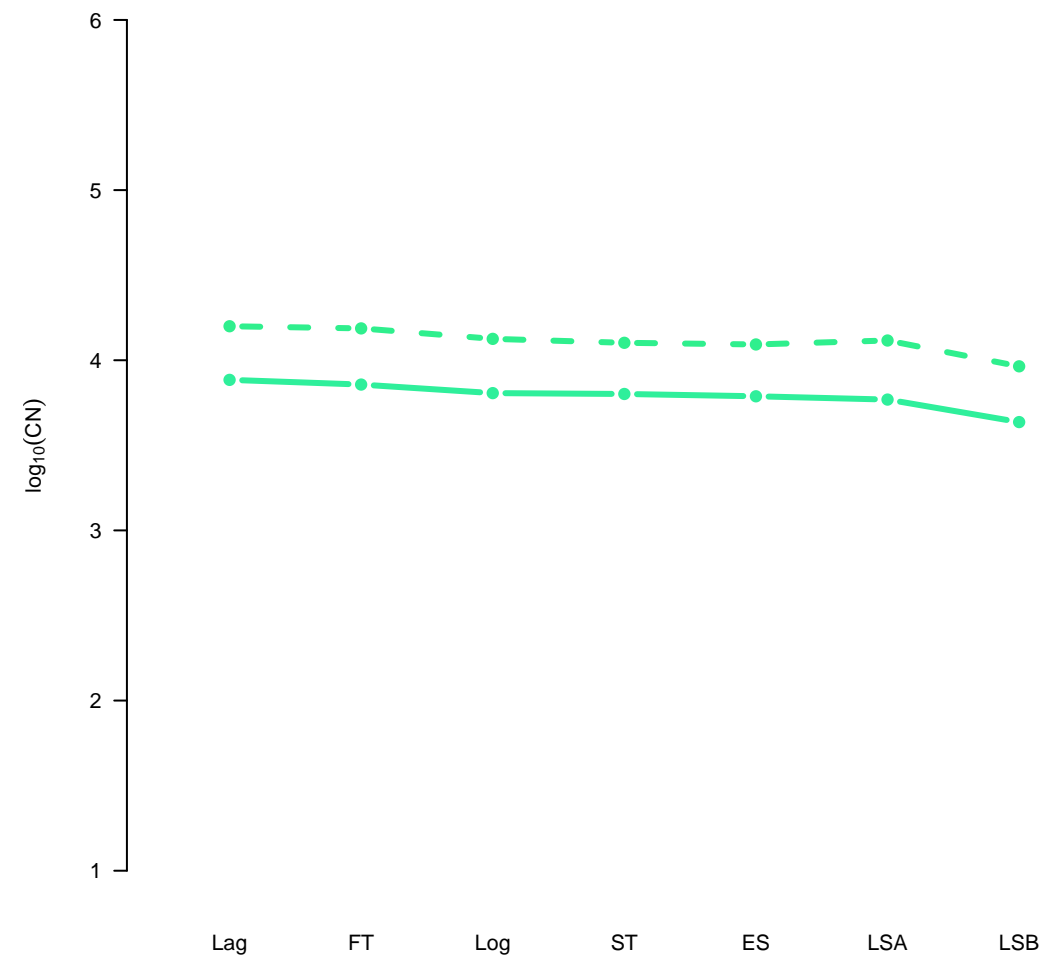


nrdE	P39452	R1E protein;Ribonucleoside-dip ...
nrdF	P37146	R2F protein;Ribonucleoside-dip ...

imidazole glycerol phosphate synthase

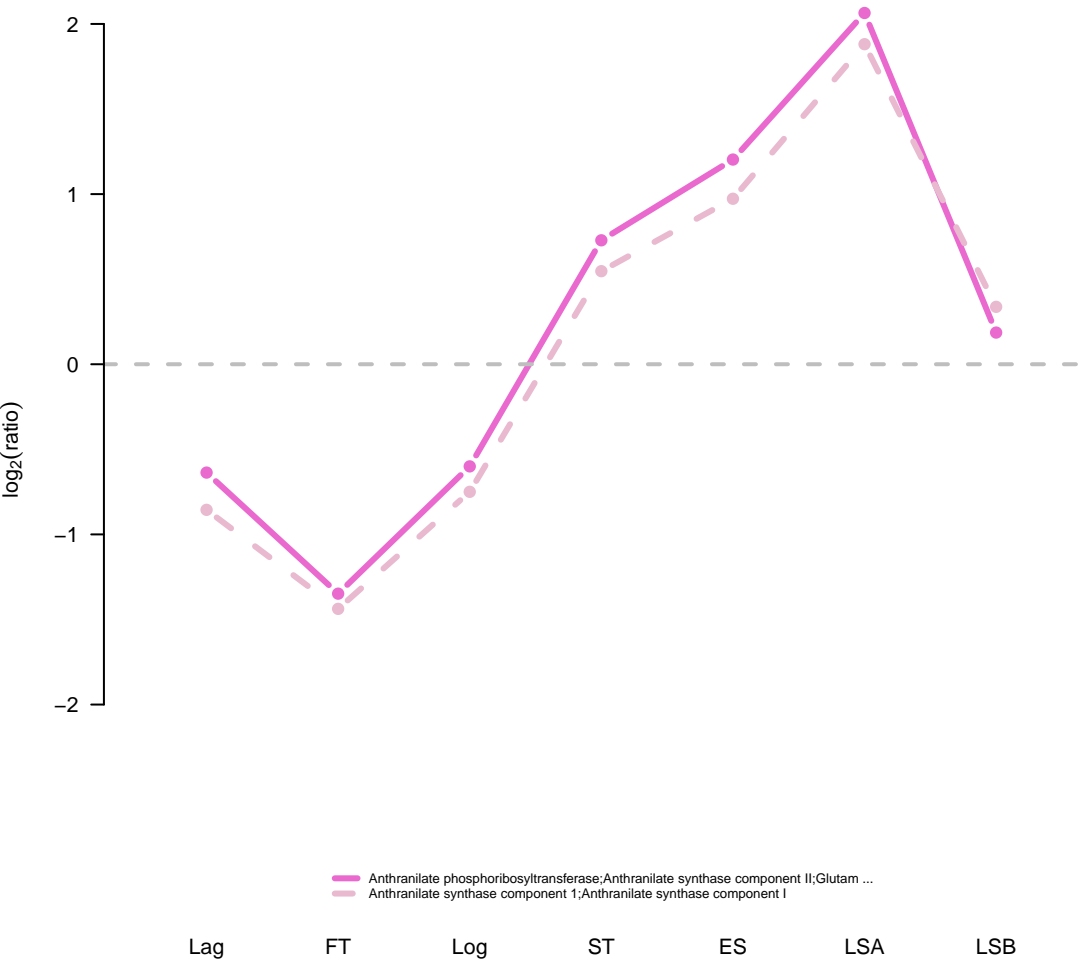


Protein copy numbers

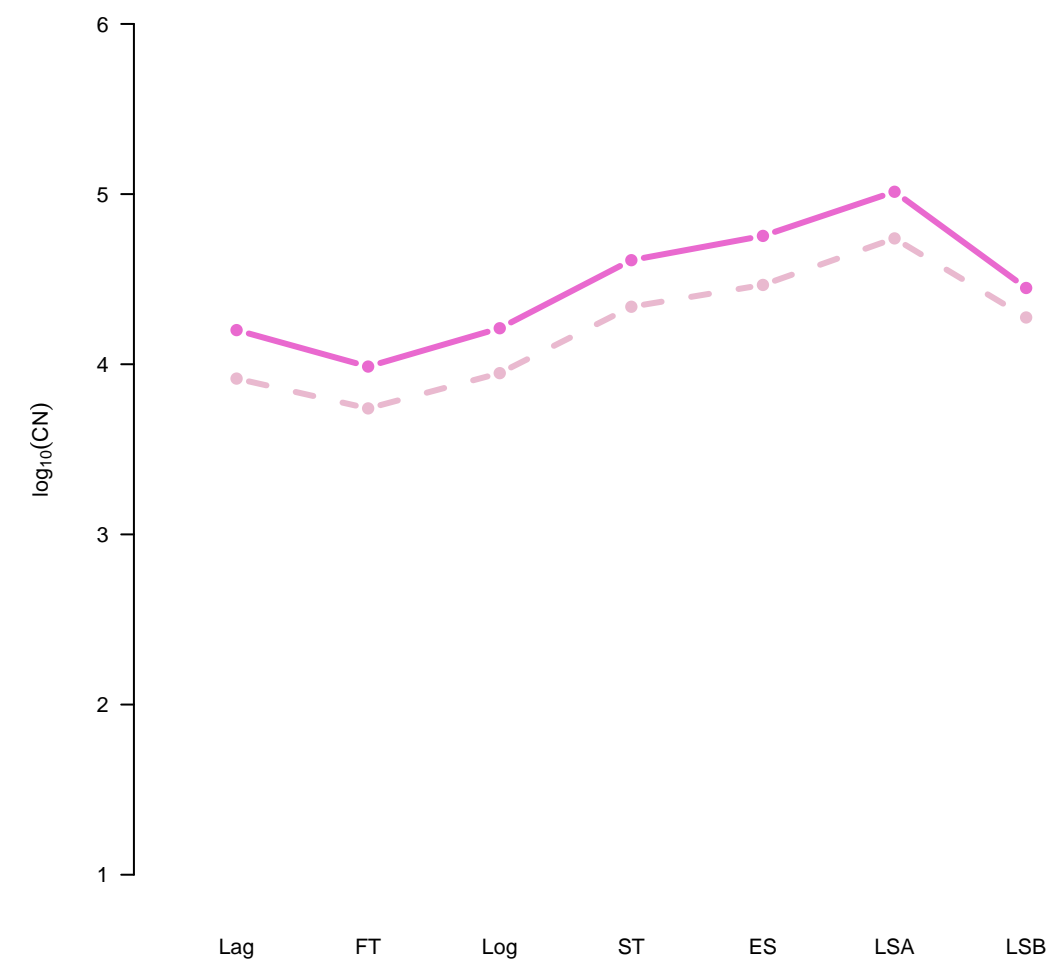


hisF P60664 IGP synthase cyclase subunit;ImGP synthase subunit hisH
hisH P60595 IGP synthase glutamine amidotransferase subunit;ImGP synthase subunit hisF

anthranilate synthase

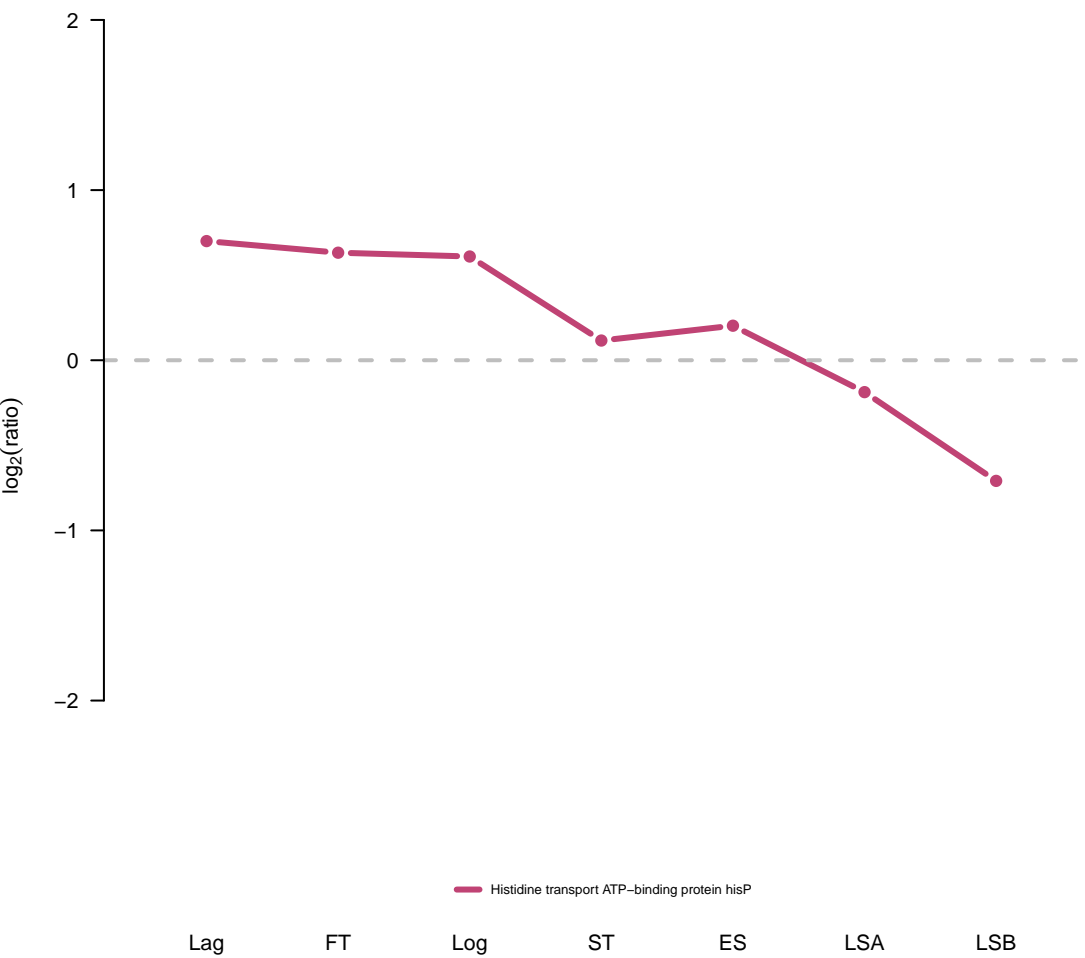


Protein copy numbers

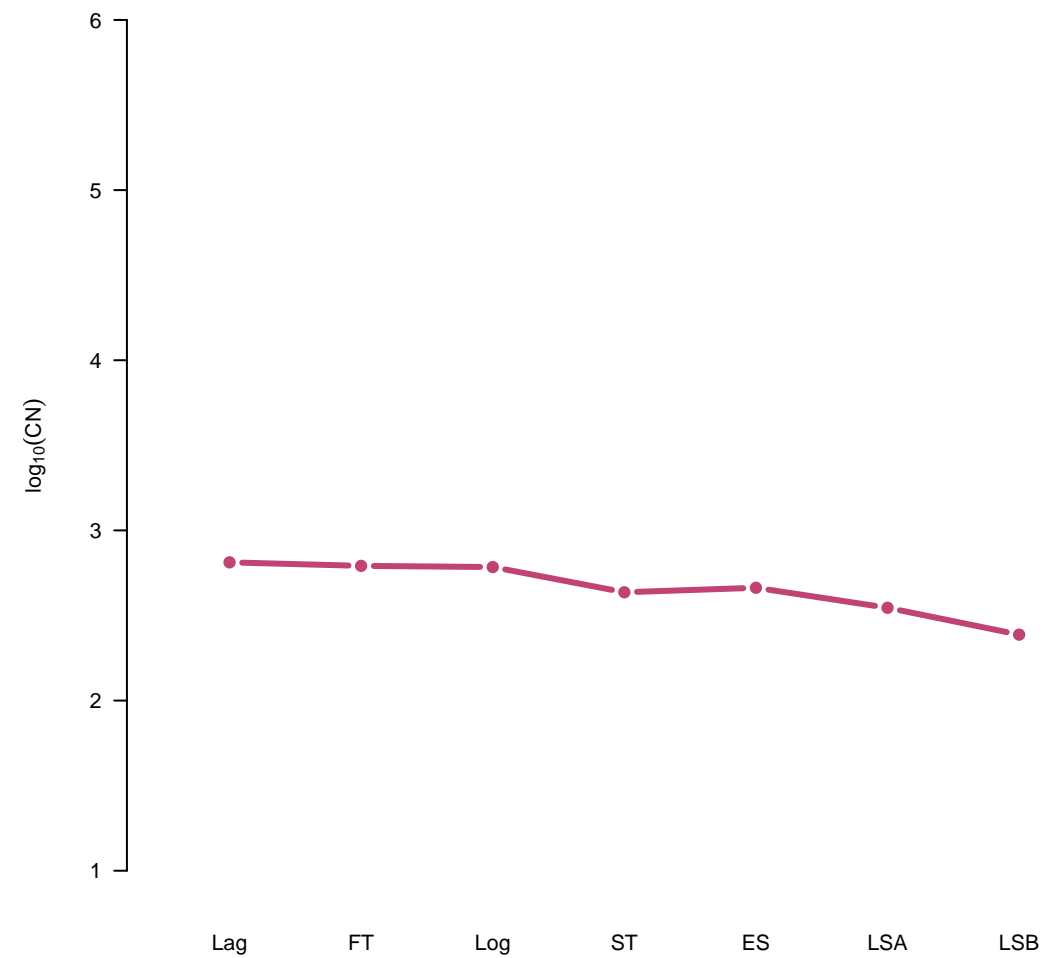


trpD	P00904	Anthranilate phosphoribosyltra ...
trpE	P00895	Anthranilate synthase componen ...

histidine transporter

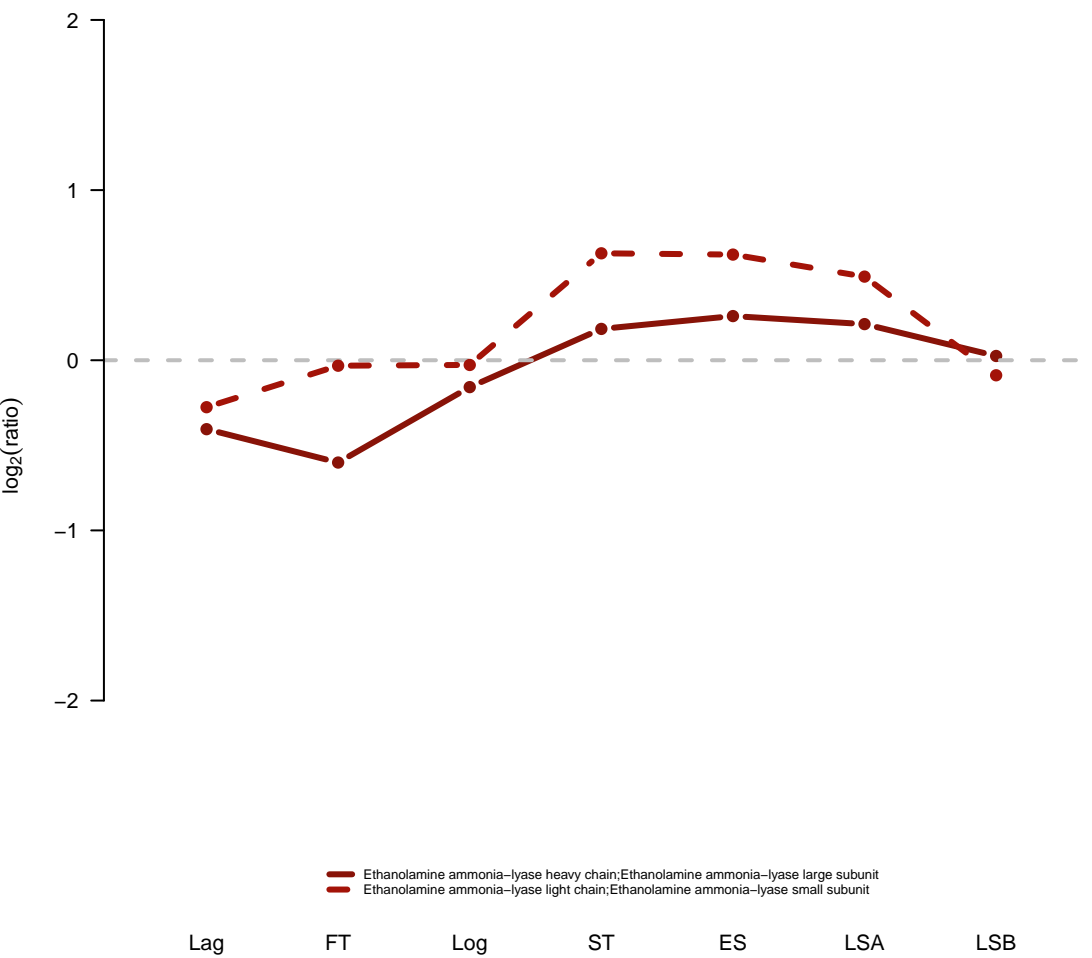


Protein copy numbers

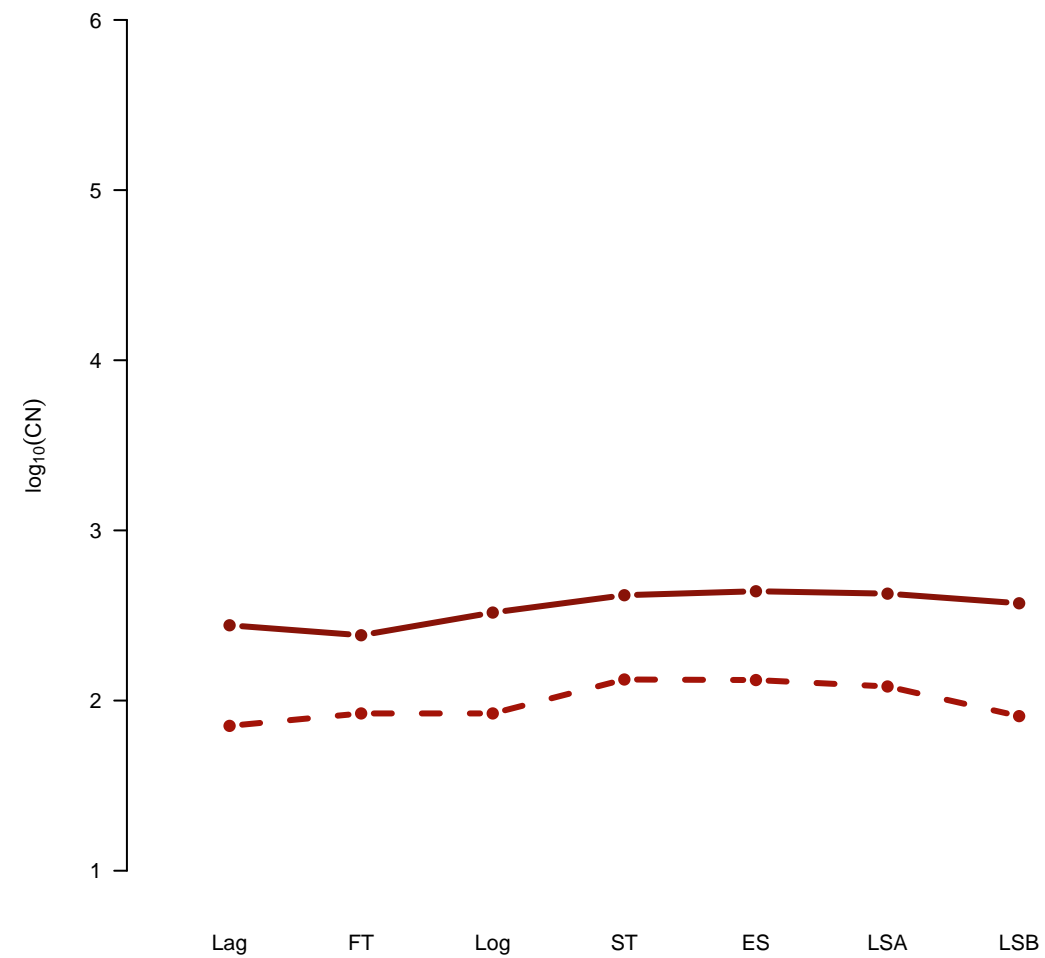


hisM	—	—
hisP	P07109	Histidine transport ATP-binding ...
hisQ	P52094	Histidine transport system per ...

ethanolamine ammonia-lyase

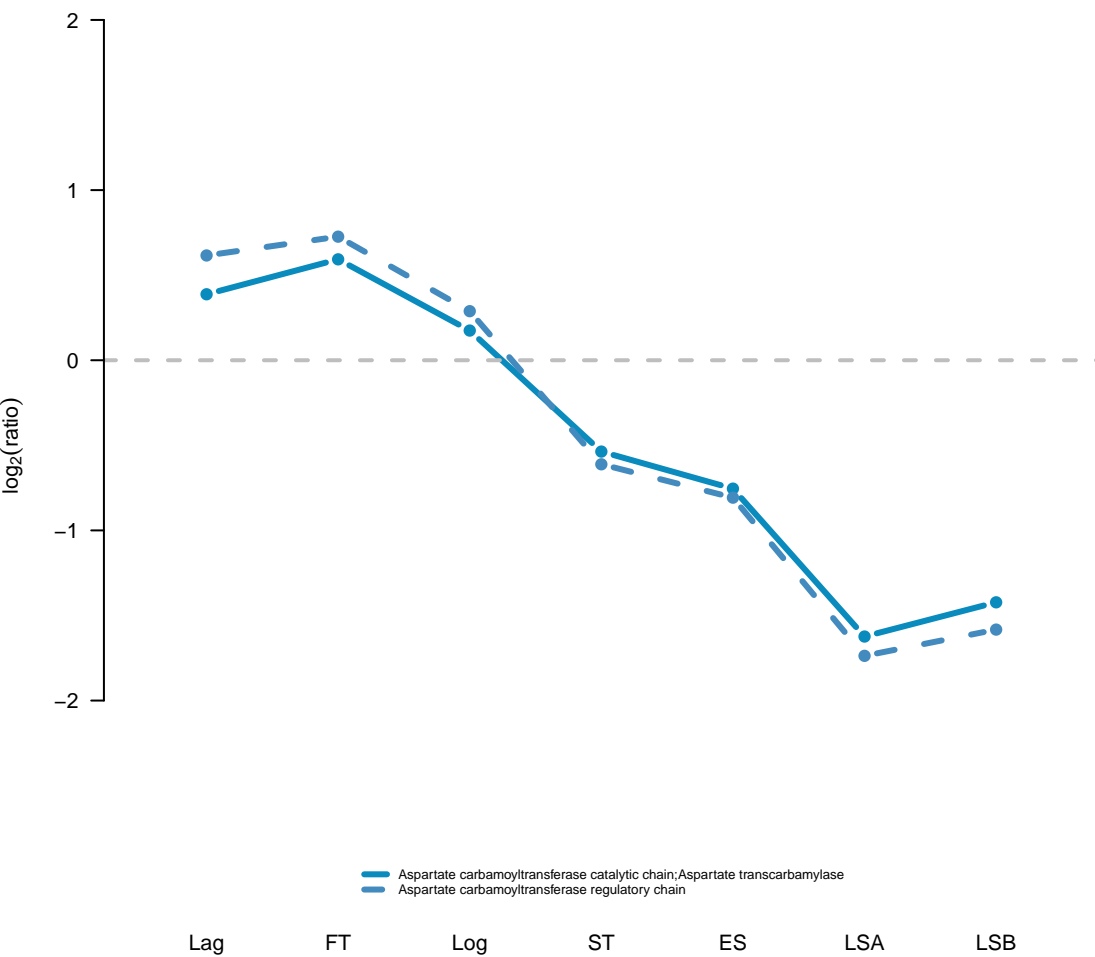


Protein copy numbers

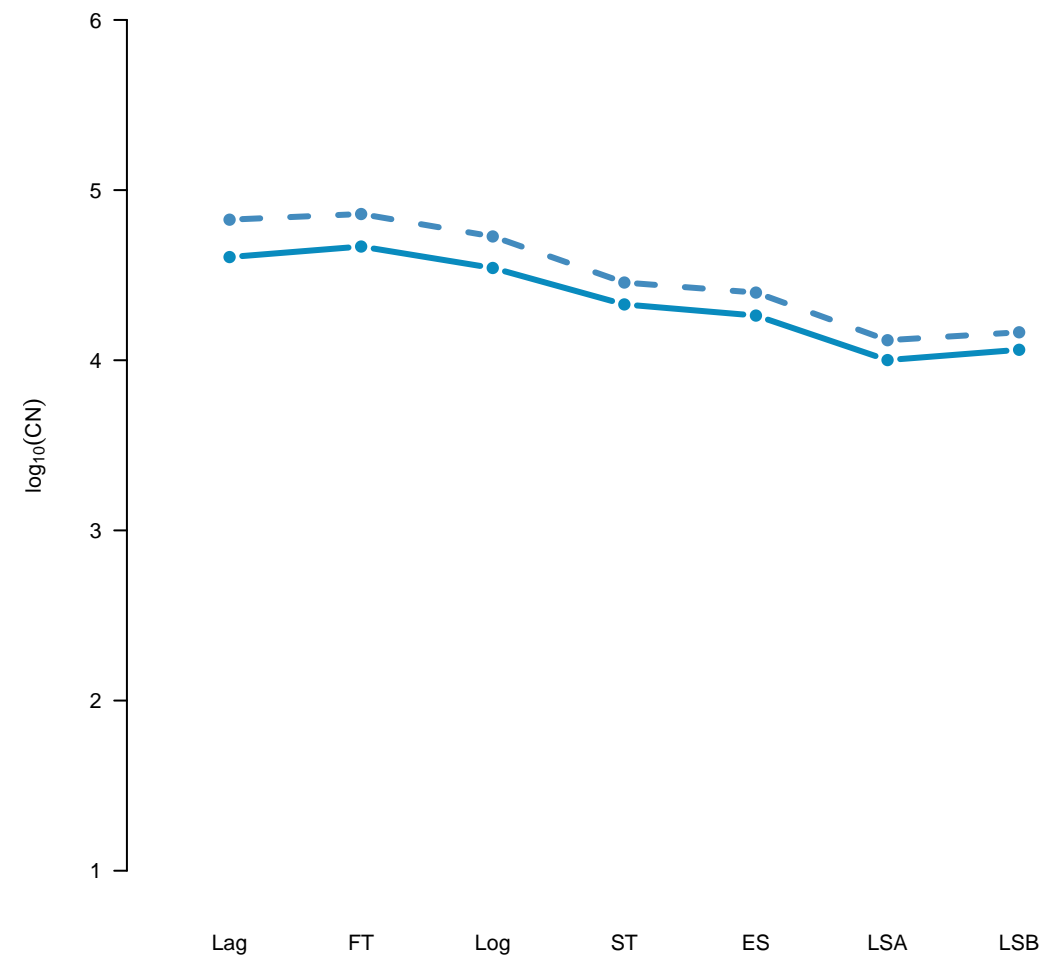


eutB P0AEJ6 Ethanolamine ammonia-lyase hea ...
 eutC P19636 Ethanolamine ammonia-lyase lig ...

aspartate transcarbamylase

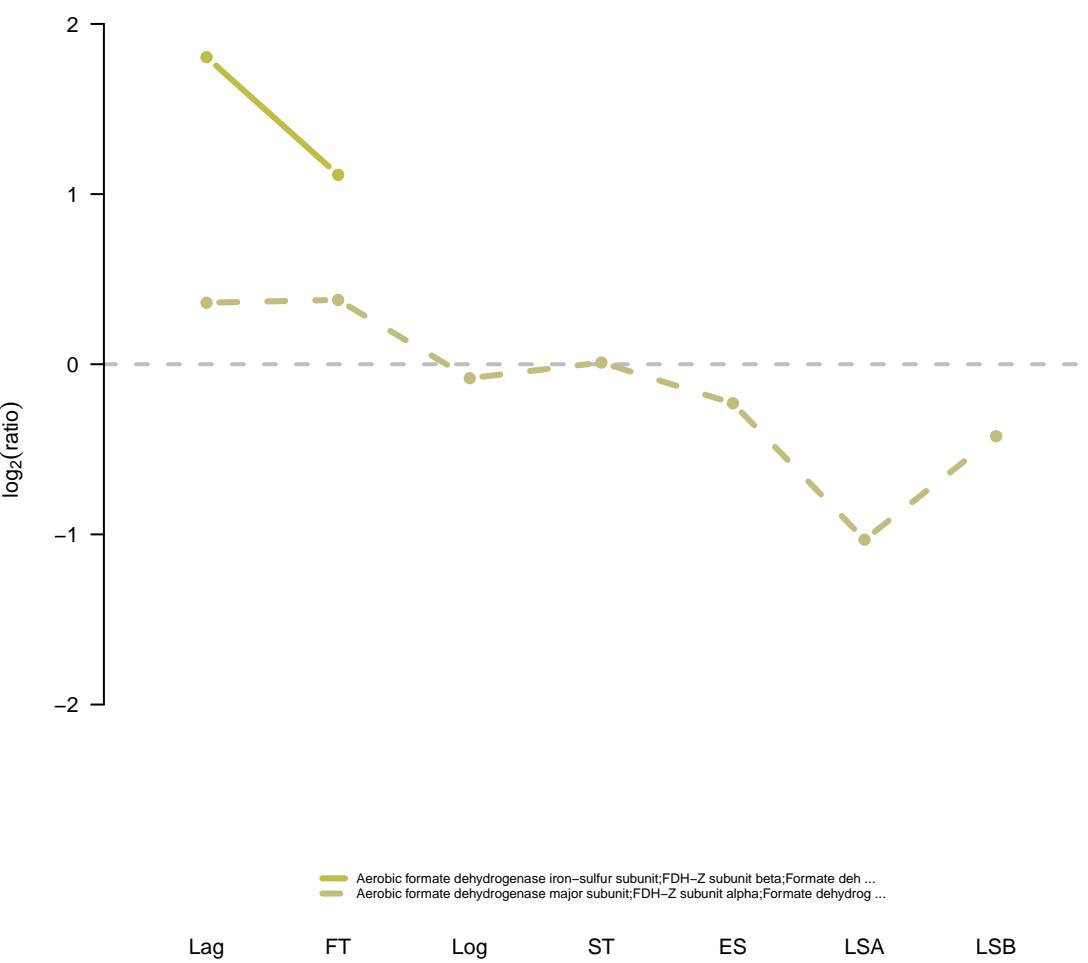


Protein copy numbers

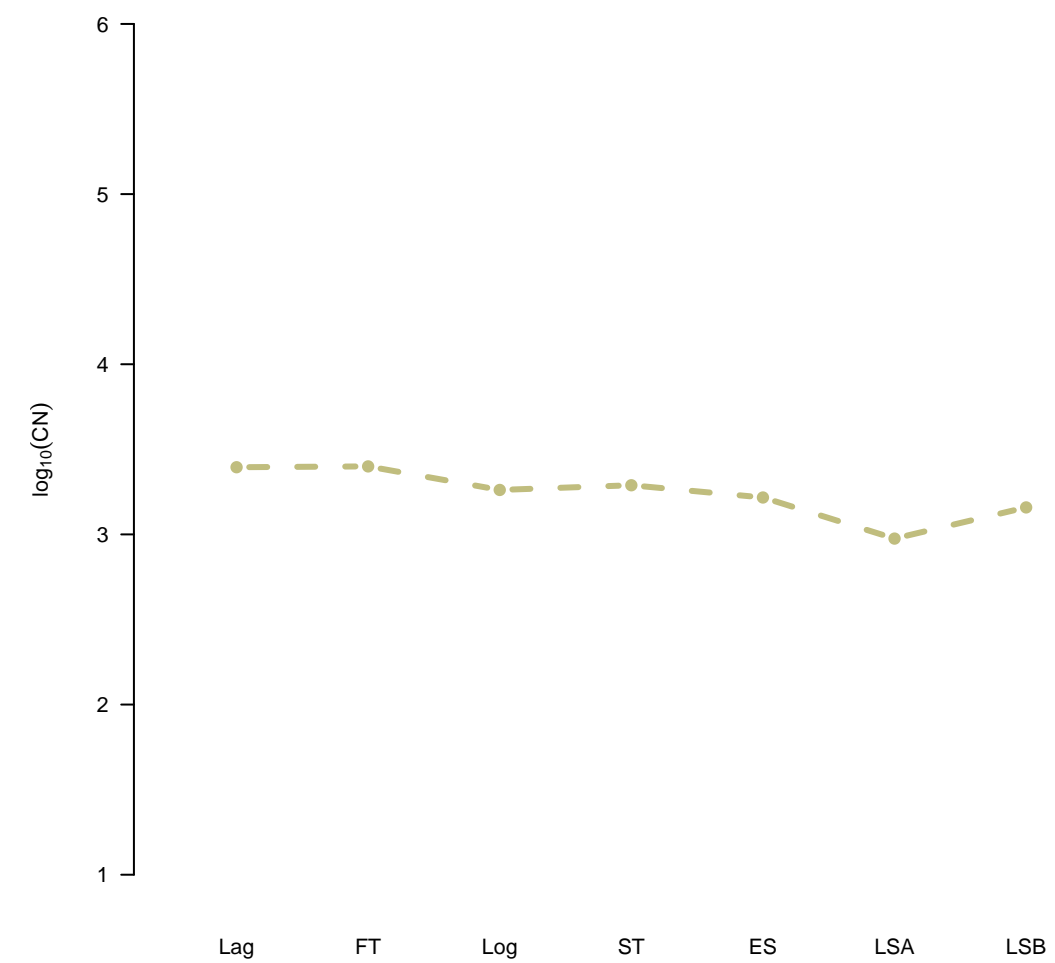


pyrB P0A786 Aspartate carbamoyltransferase ...
 pyrI P0A7F3 Aspartate carbamoyltransferase ...

formate dehydrogenase-O



Protein copy numbers

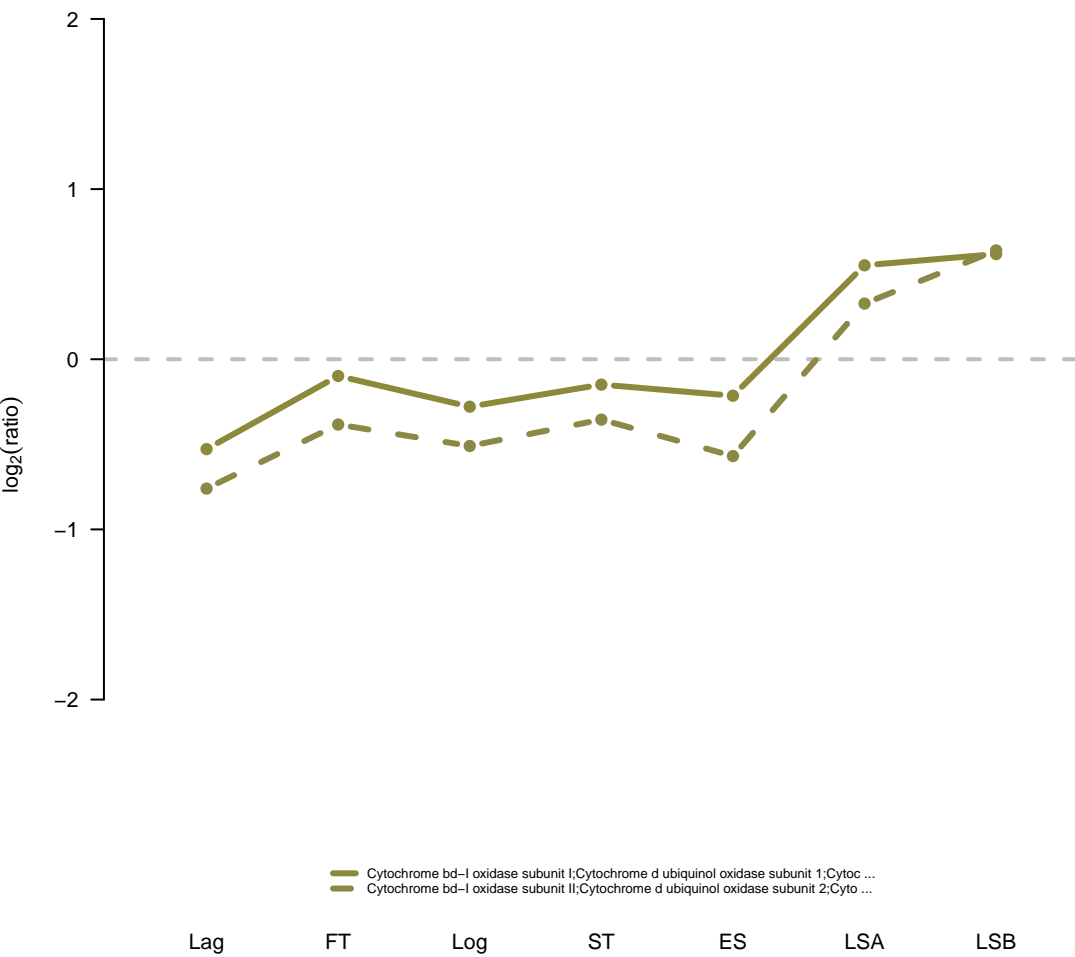


fdoI
fdoH
fdoG

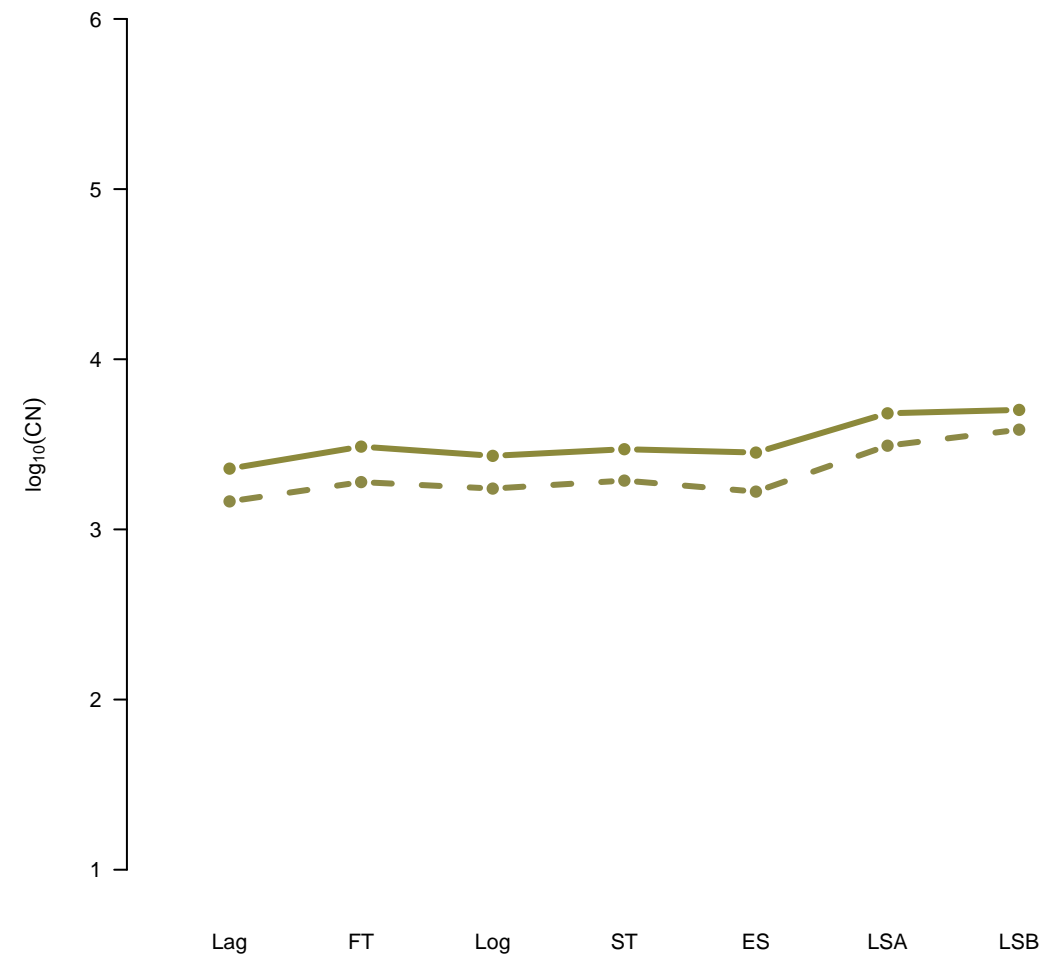
—
P0AAJ5
P32176

Aerobic formate dehydrogenase ...
Aerobic formate dehydrogenase ...

cytochrome bd-I

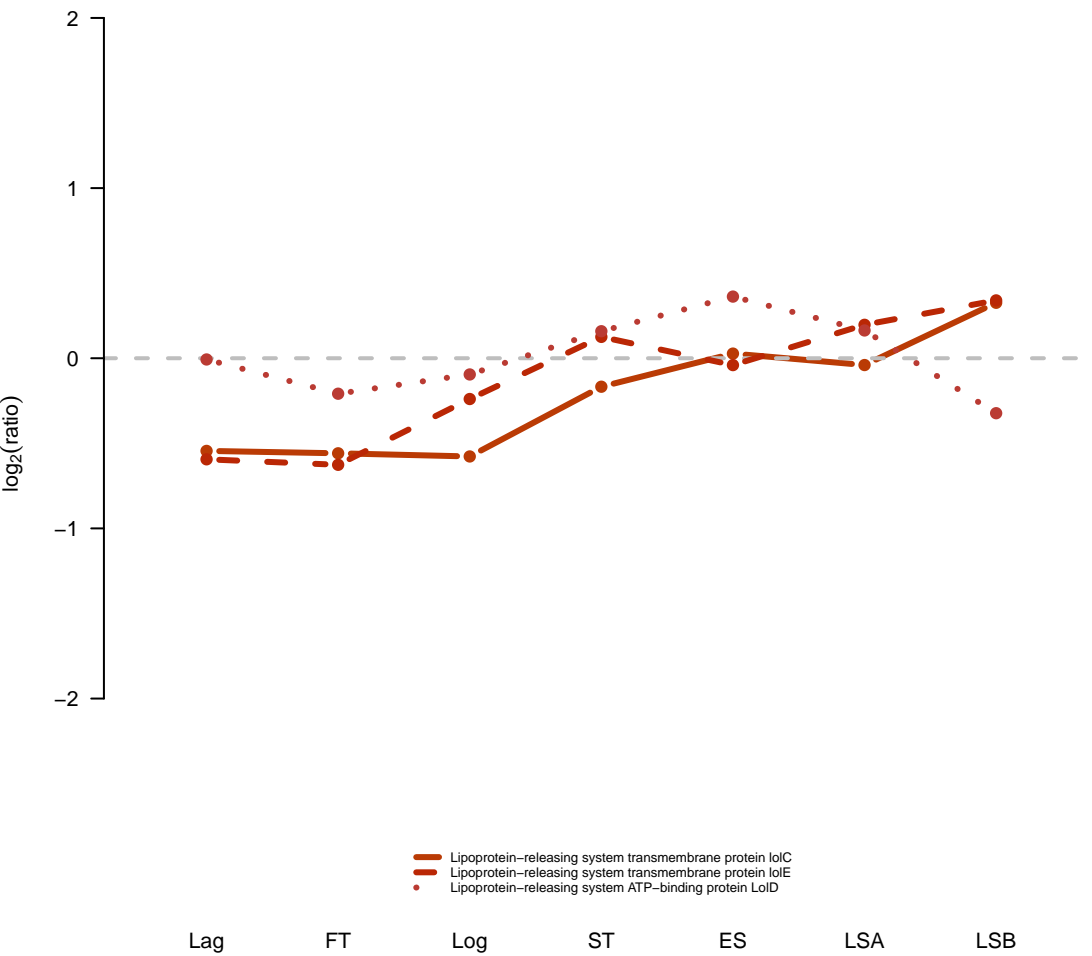


Protein copy numbers

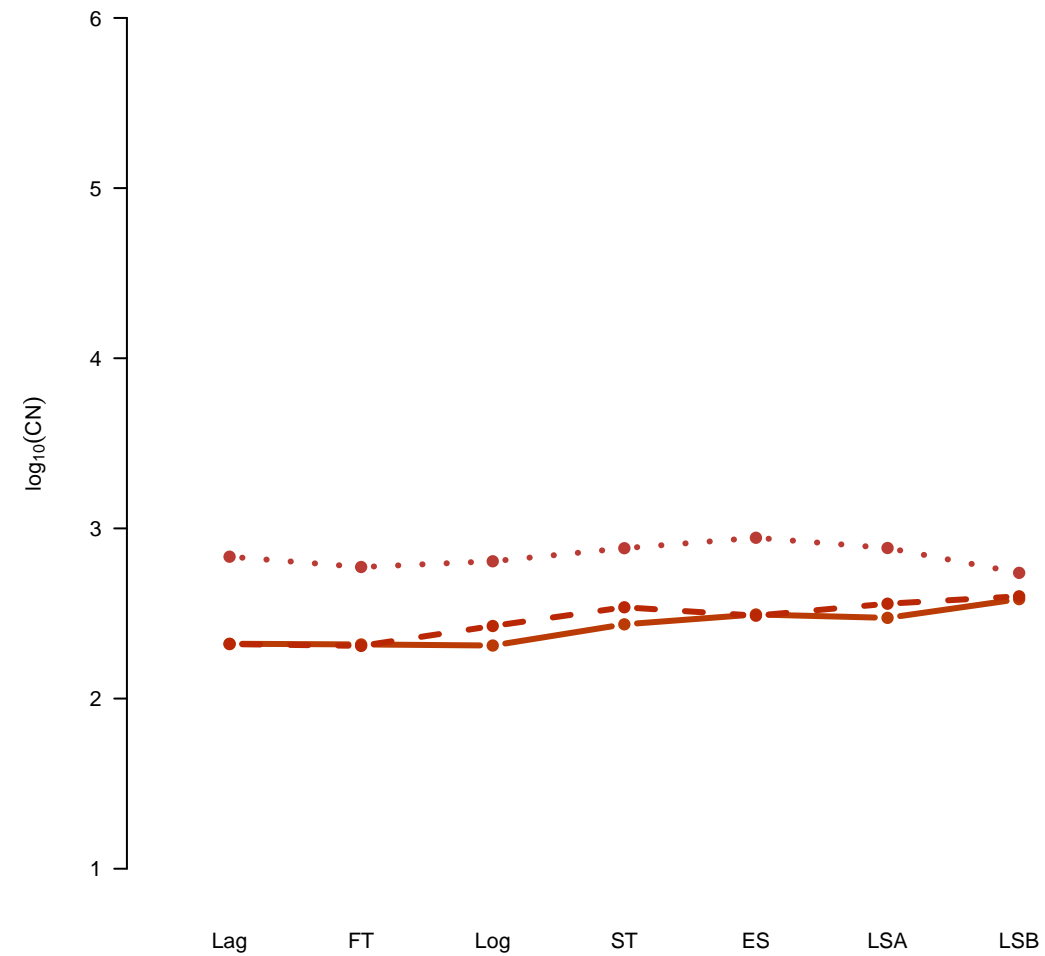


cydA P0ABJ9 Cytochrome bd-I oxidase subunit I
 cydB P0ABK2 Cytochrome bd-I oxidase subunit II

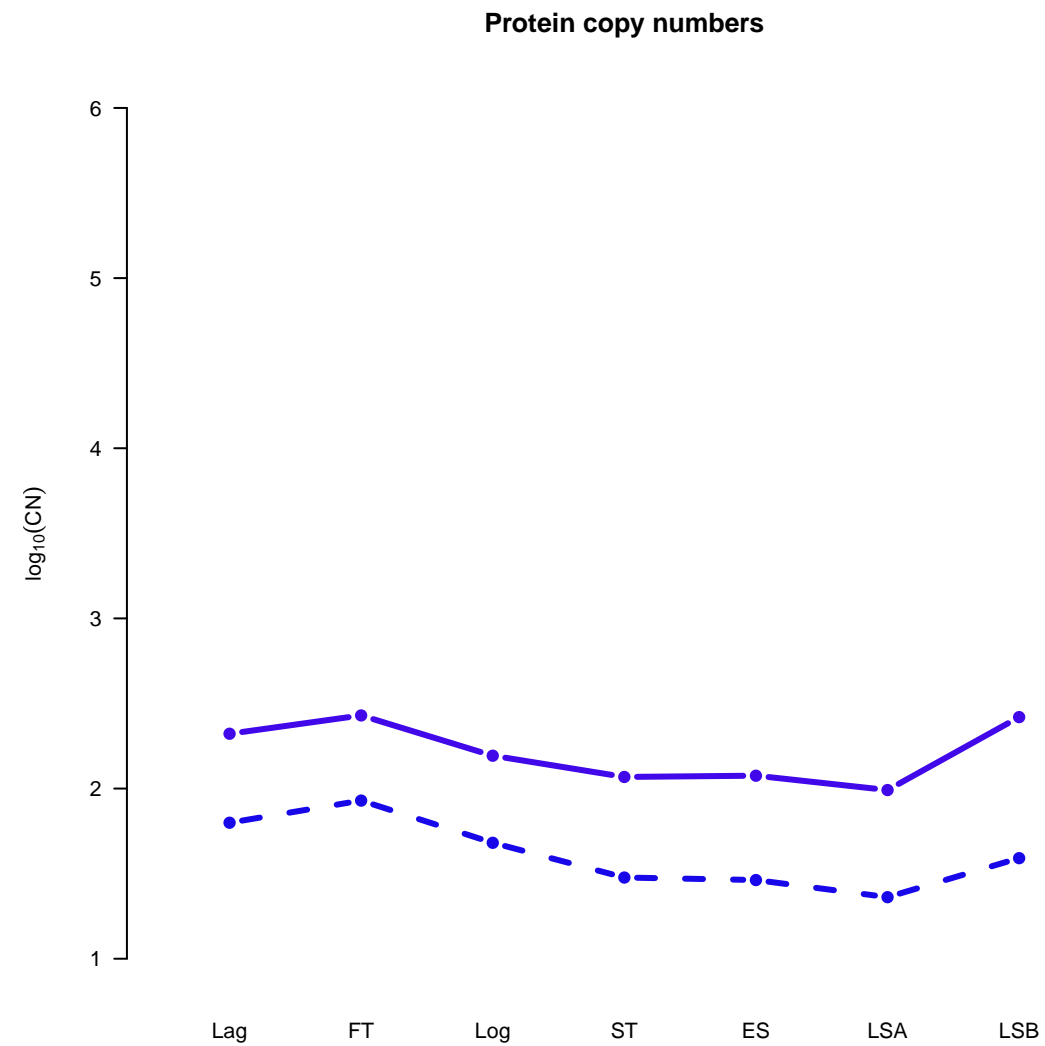
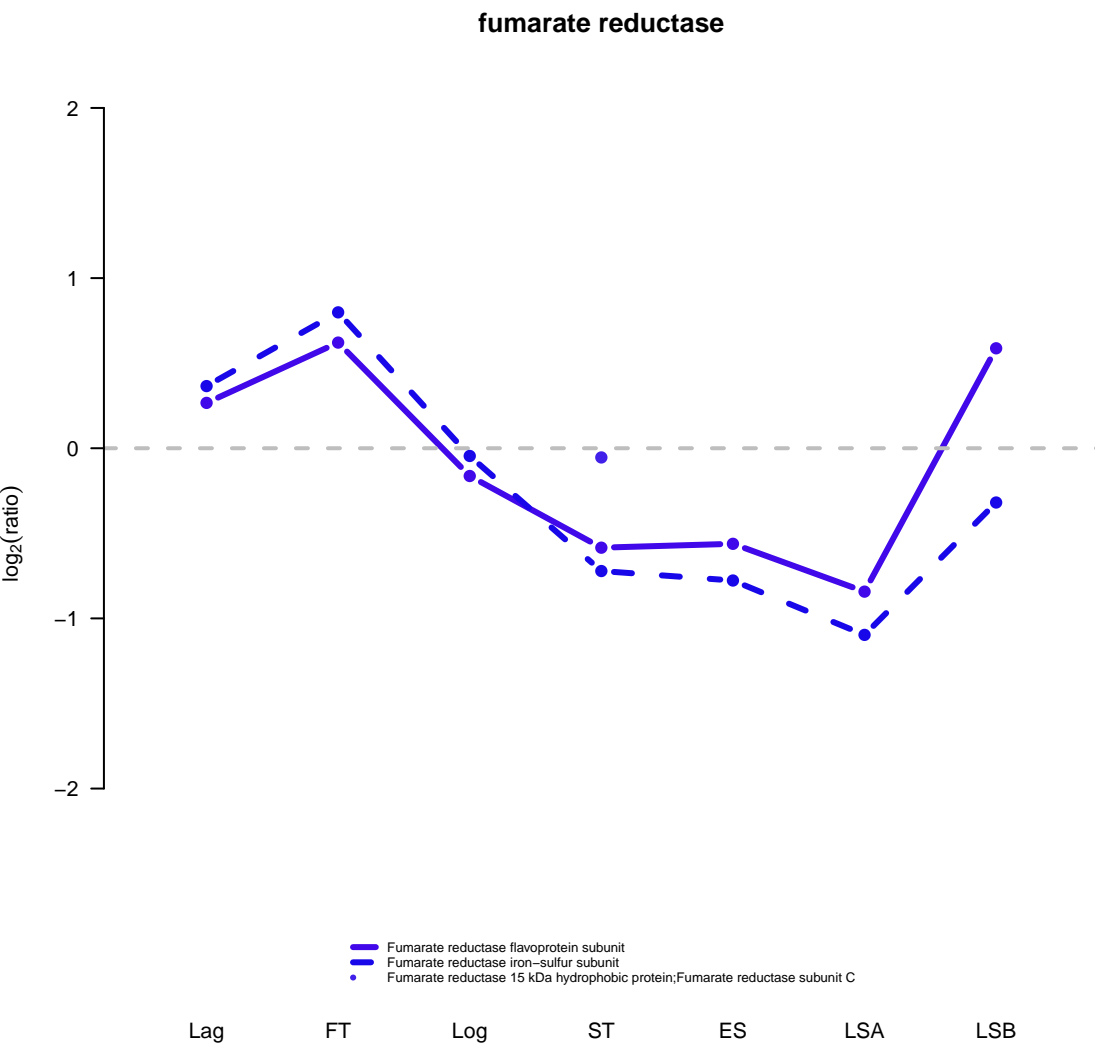
lolCDE lipoprotein transporter



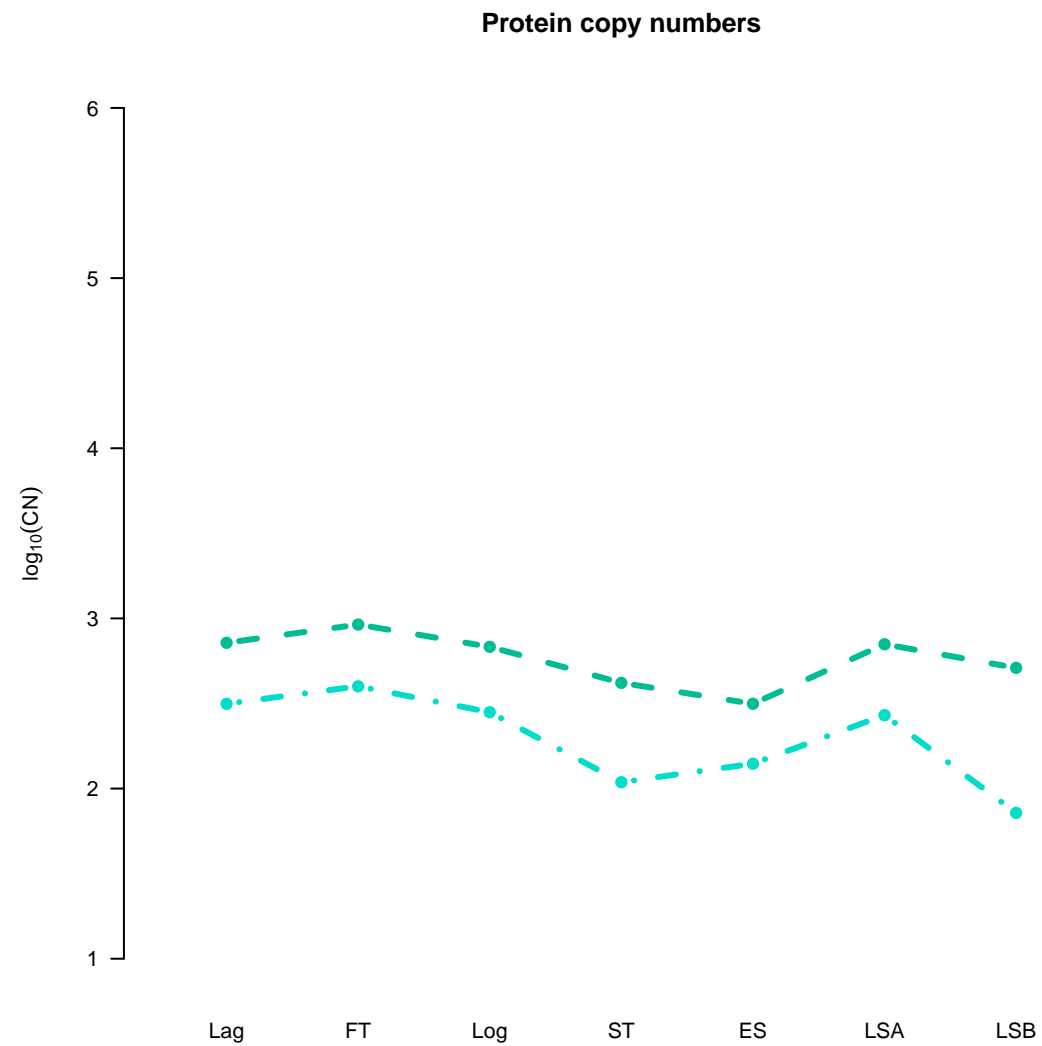
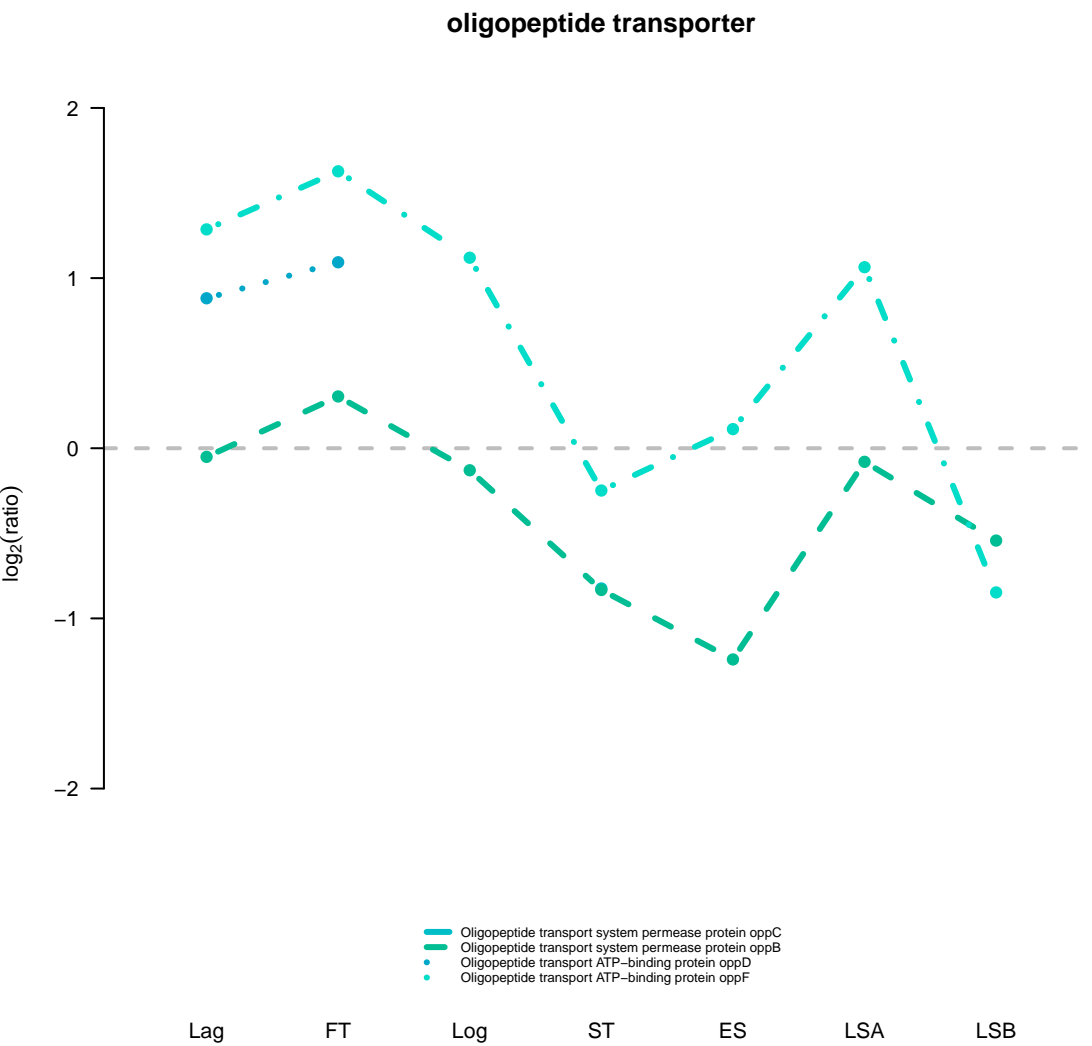
Protein copy numbers



lolC	P0ADC3	Lipoprotein-releasing system t ...
lolE	P75958	Lipoprotein-releasing system t ...
lolD	P75957	Lipoprotein-releasing system A ...

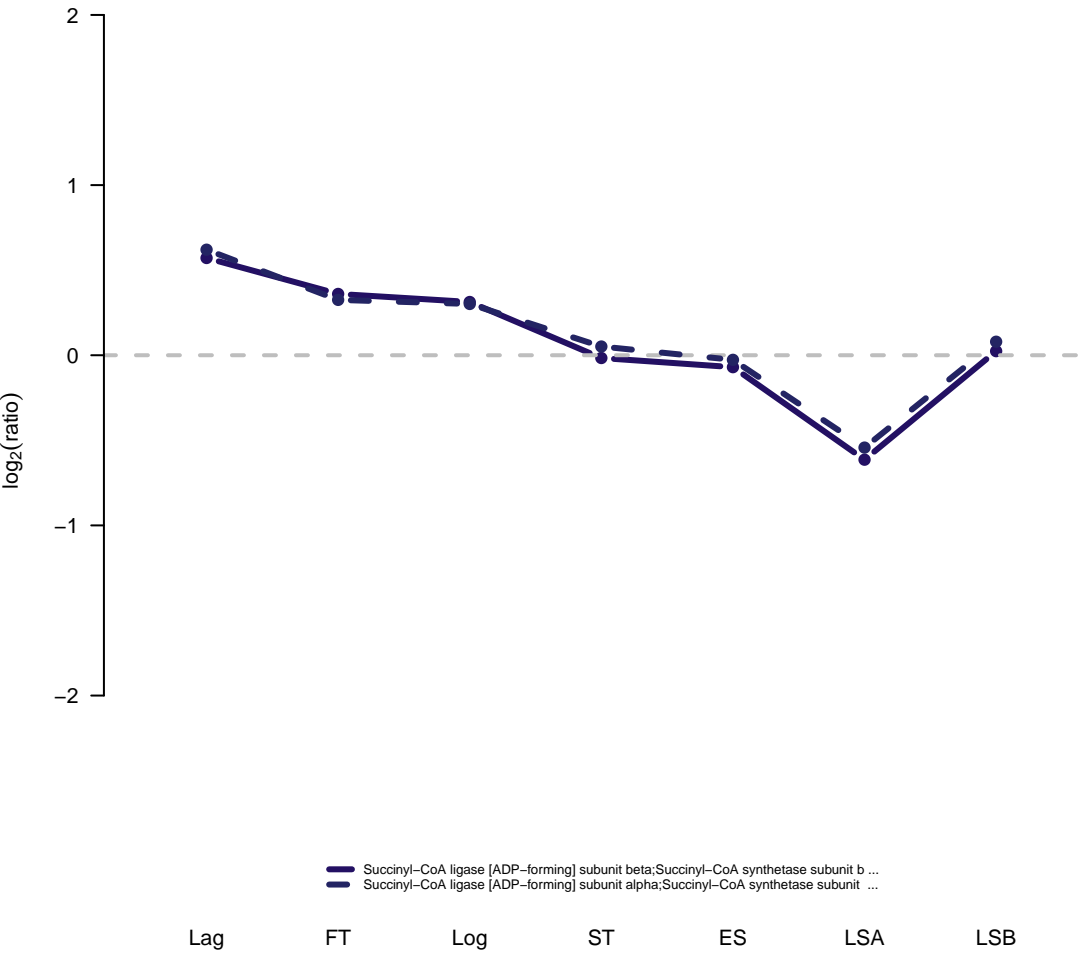


frdA	P00363	Fumarate reductase flavoprotei ...
frdB	P0AC47	Fumarate reductase iron-sulfur ...
frdC	P0A8Q0	Fumarate reductase 15 kDa hydr ...
frdD	-	-

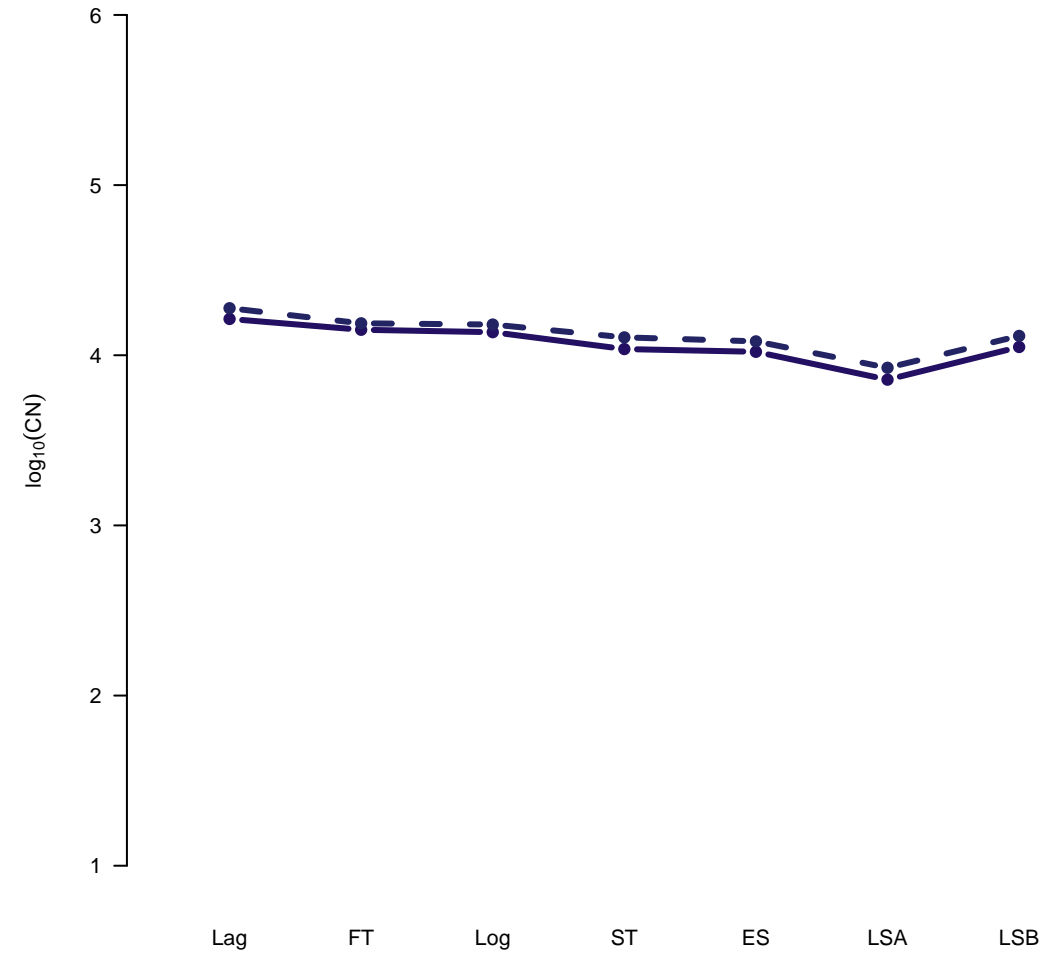


oppC	P0AFH6	Oligopeptide transport system ...
oppB	P0AFH2	Oligopeptide transport system ...
oppD	P76027	Oligopeptide transport ATP-bin ...
oppF	P77737	Oligopeptide transport ATP-bin ...

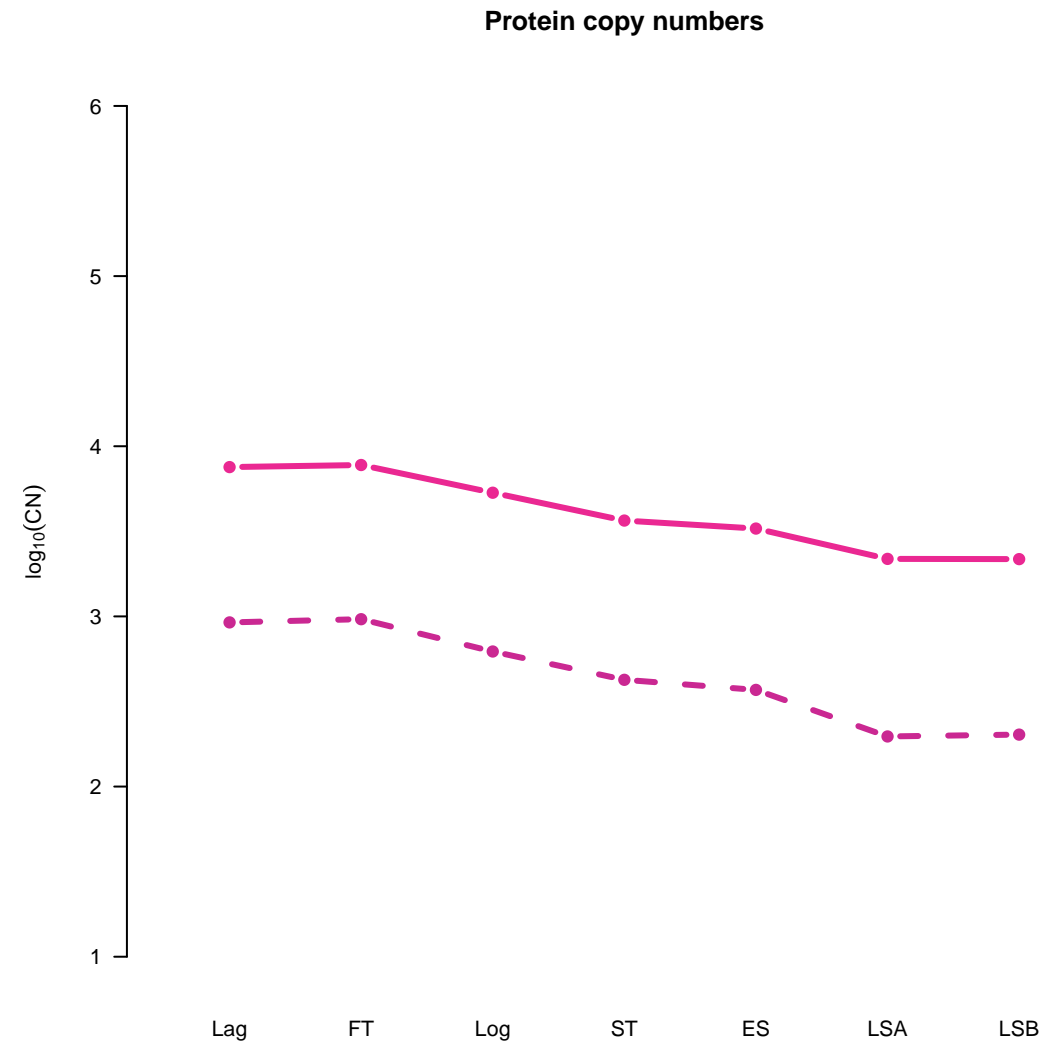
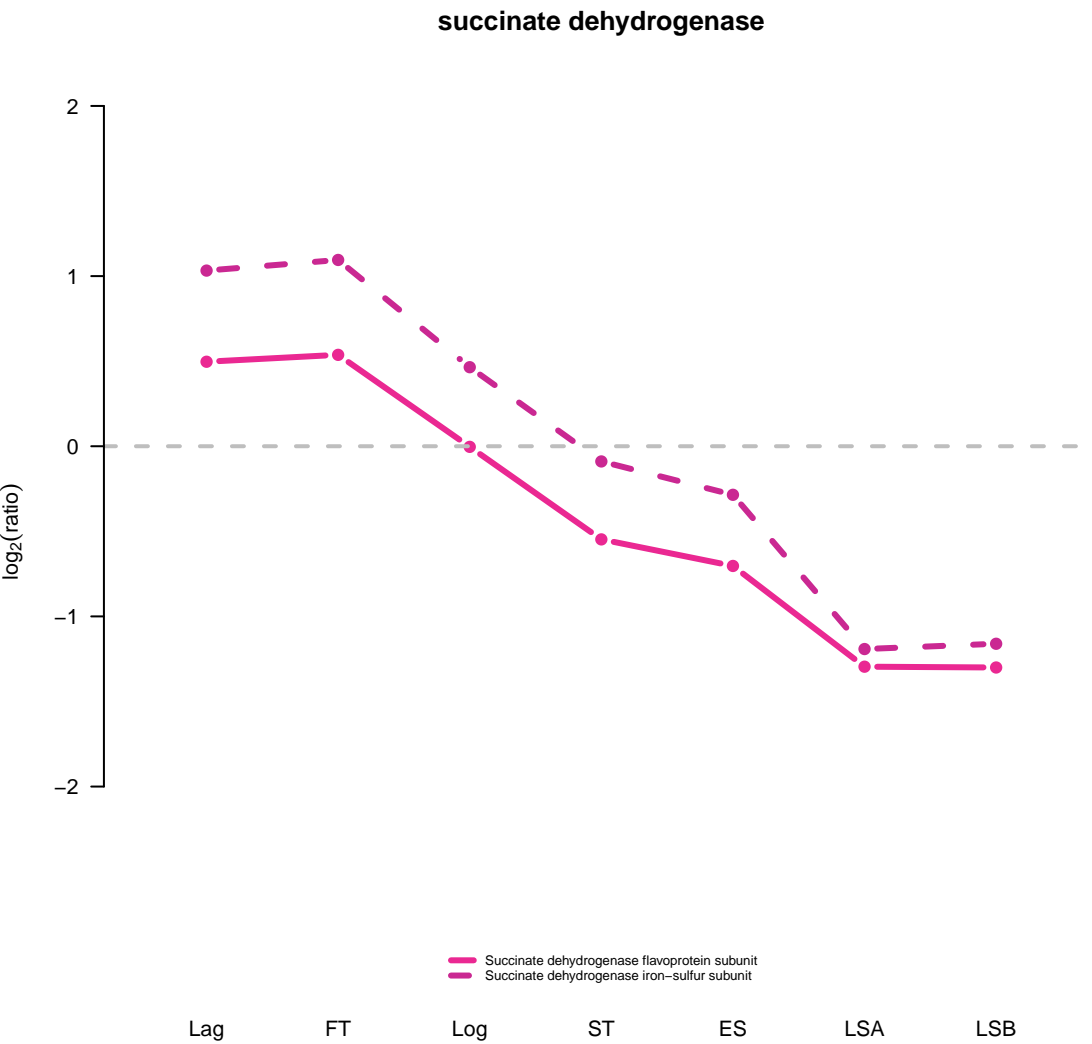
succinyl-CoA synthetase



Protein copy numbers

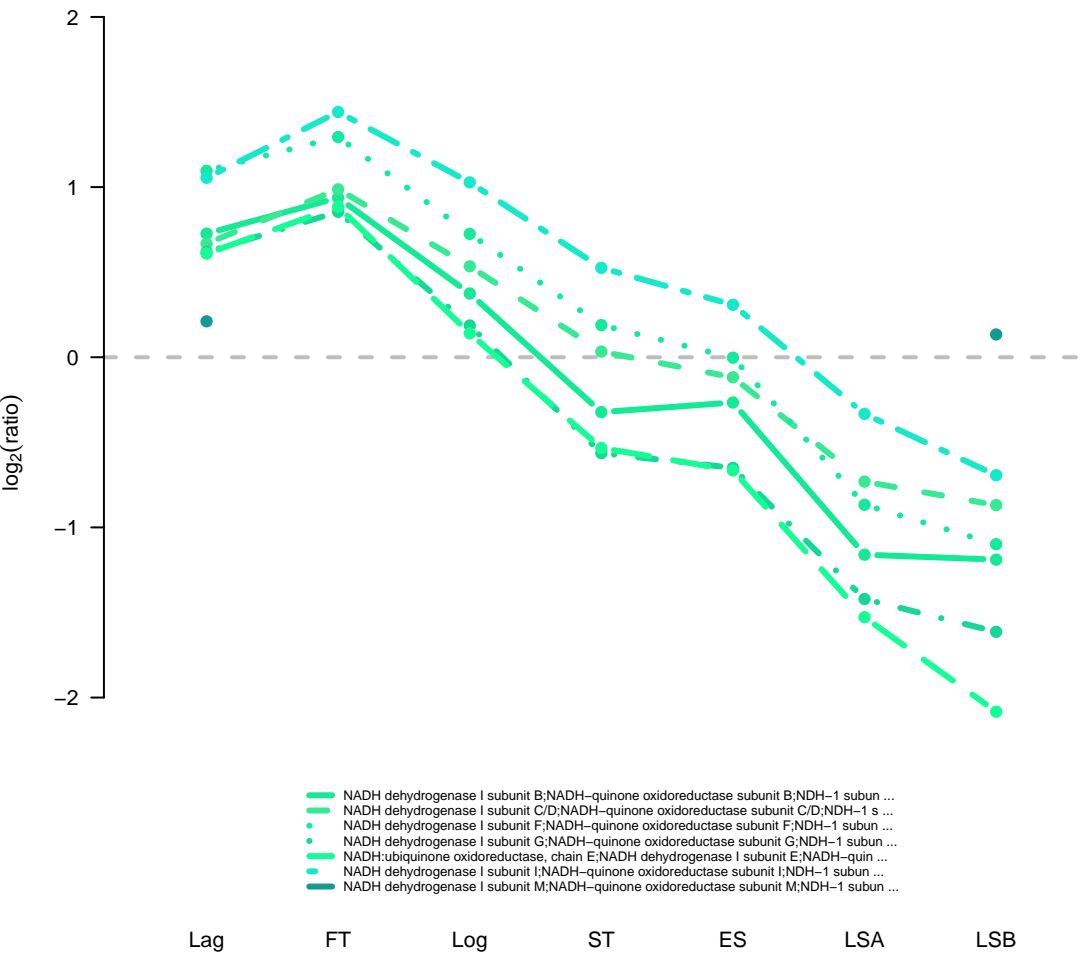


sucC	P0A836	Succinyl-CoA ligase [ADP-formi ...
sucD	P0AGE9	Succinyl-CoA ligase [ADP-formi ...

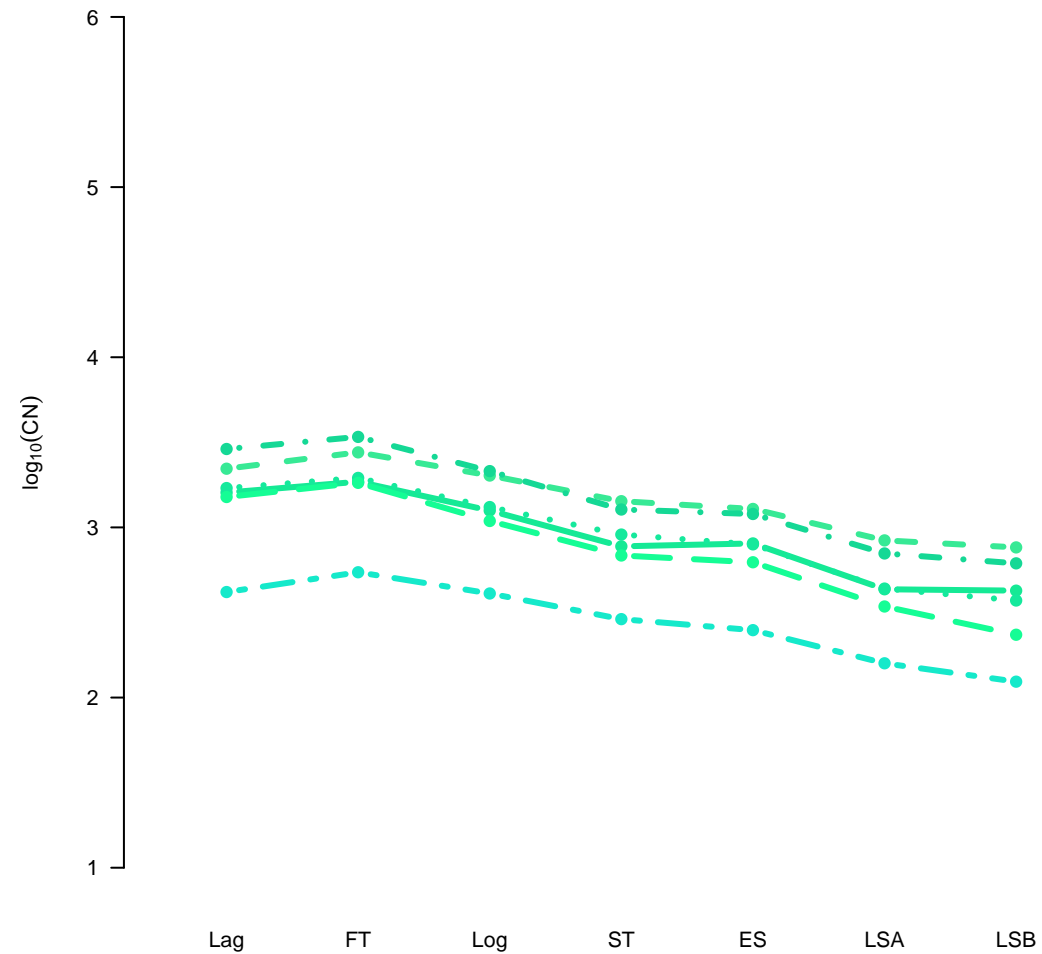


sdhA	P0AC41	Succinate dehydrogenase flavoprotein subunit
sdhC	-	-
sdhB	P07014	Succinate dehydrogenase iron-sulfur subunit
sdhD	-	-

NADH dehydrogenase I

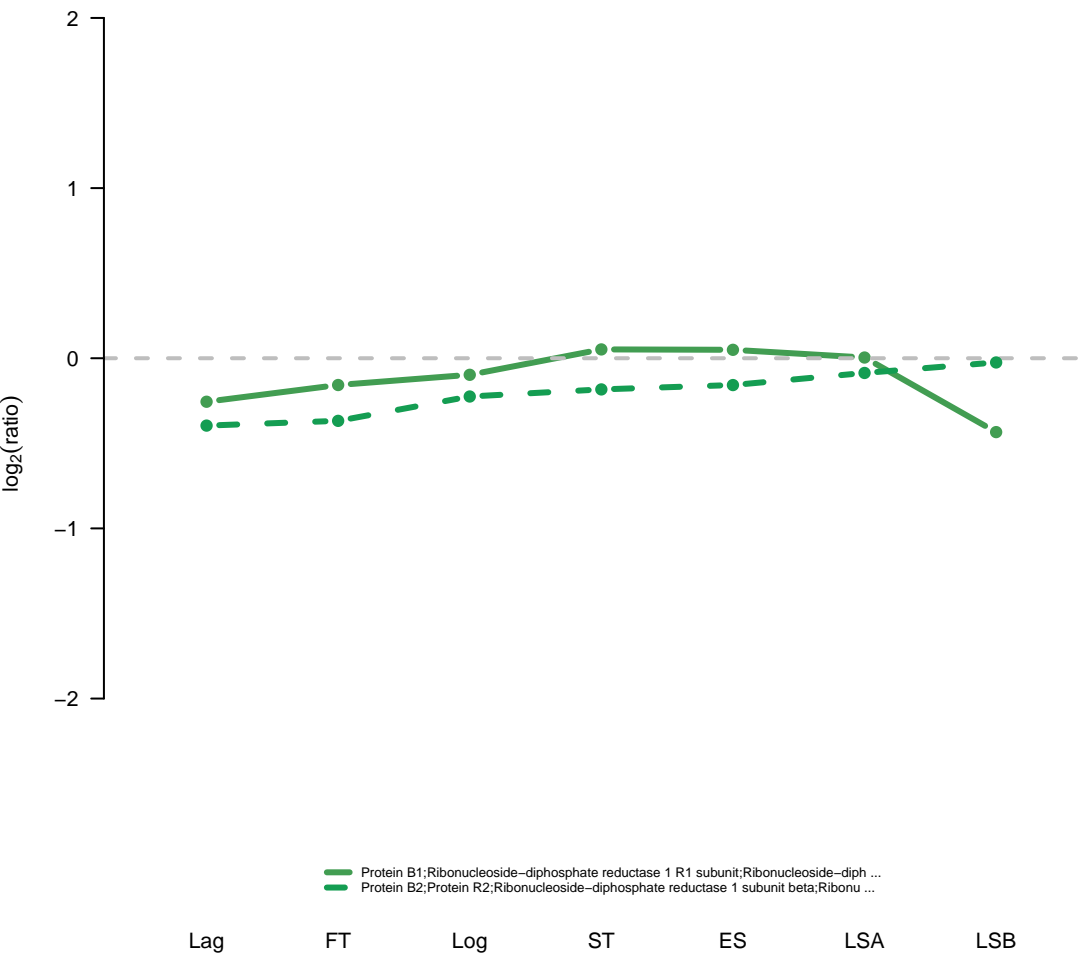


Protein copy numbers

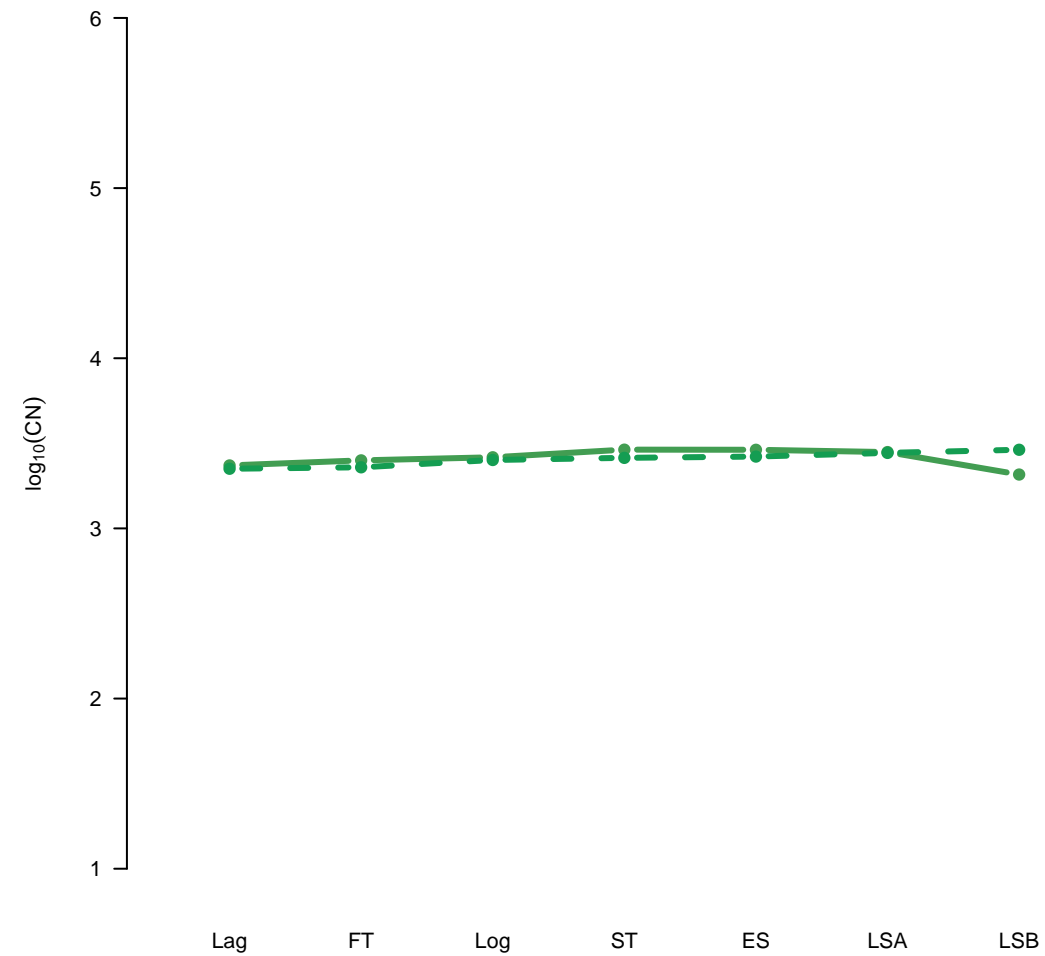


nuoB	B1X8Z9;C4ZUD0;P0AFC7	NADH dehydrogenase I subunit B ...
nuoC	B1X8Z8;C4ZUC9;P33599	NADH dehydrogenase I subunit C ...
nuoA	—	—
nuoF	P31979	NADH dehydrogenase I subunit F ...
nuoG	P33602	NADH dehydrogenase I subunit G ...
nuoE	B1X8Z7;C4ZUC8;P0AFD1	NADH:ubiquinone oxidoreductase ...
nuoJ	—	—
nuoK	—	—
nuoH	—	—
nuoI	P0AFD6	NADH dehydrogenase I subunit I ...
nuoN	—	—
nuoL	P33607	NADH dehydrogenase I subunit L ...
nuoM	P0AFE8	NADH dehydrogenase I subunit M ...

ribonucleoside diphosphate reductase 1



Protein copy numbers

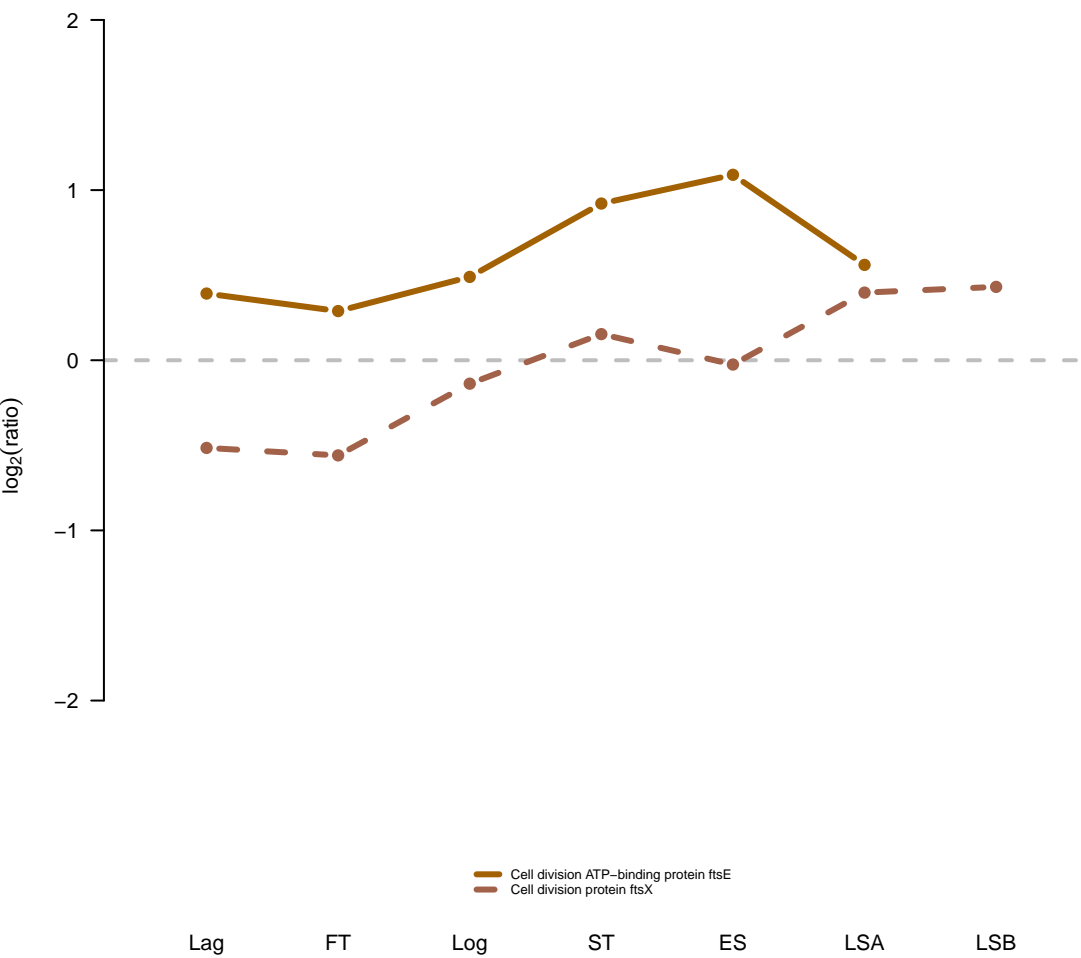


nrdA
nrdB

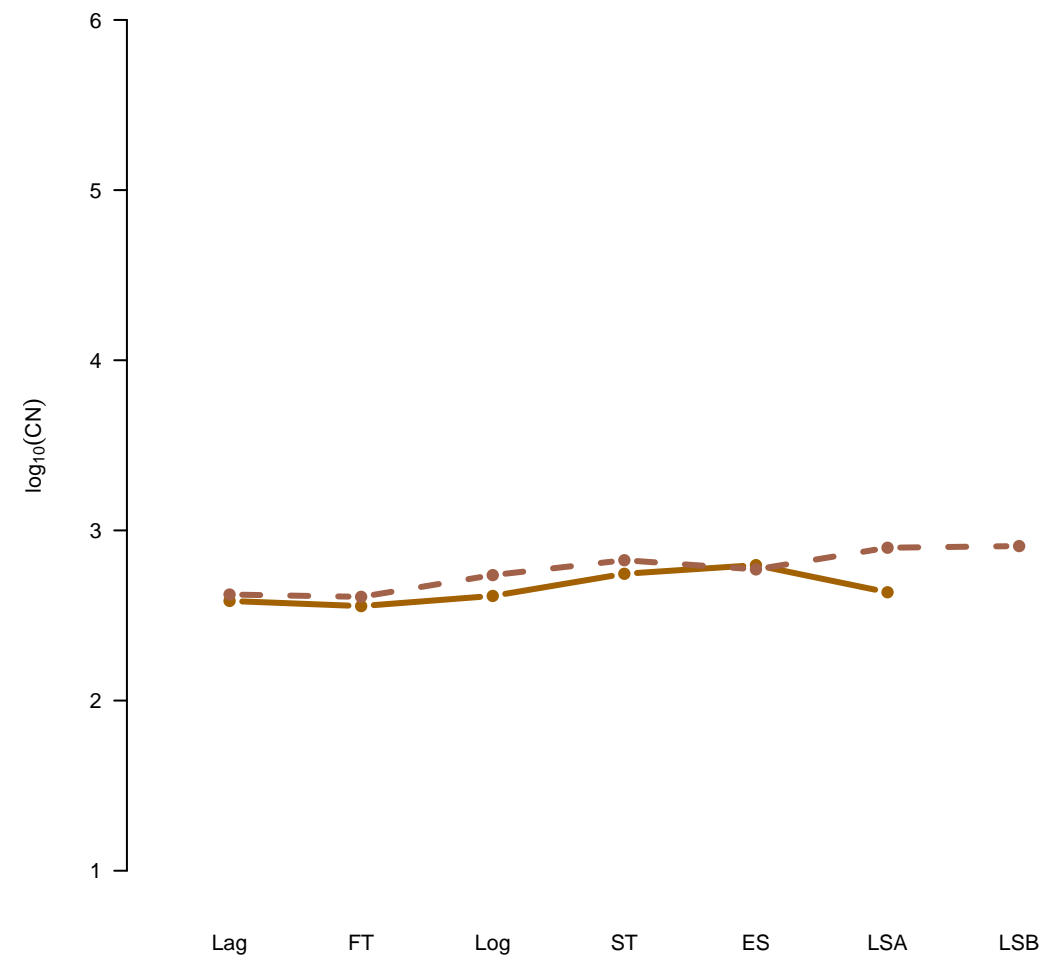
P00452;P00452-2
P69924

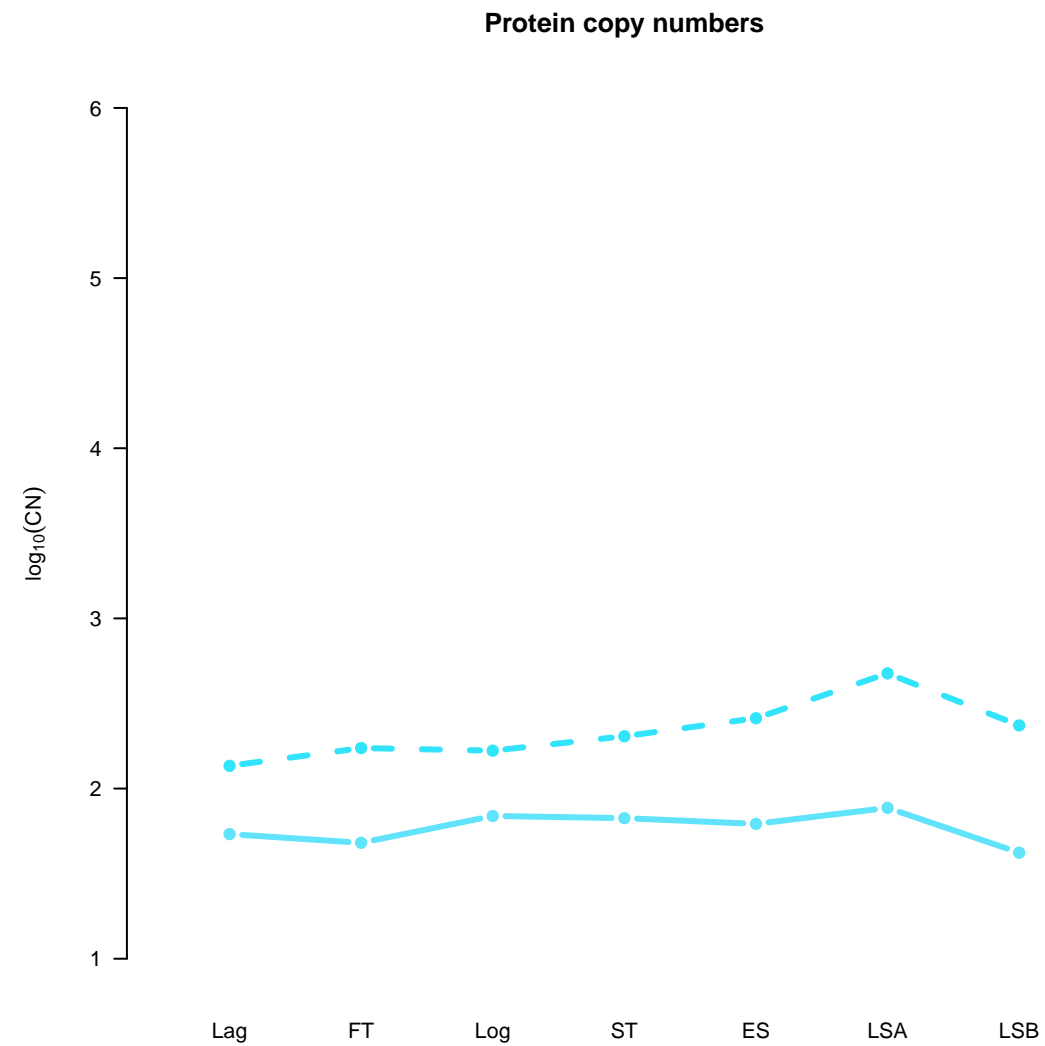
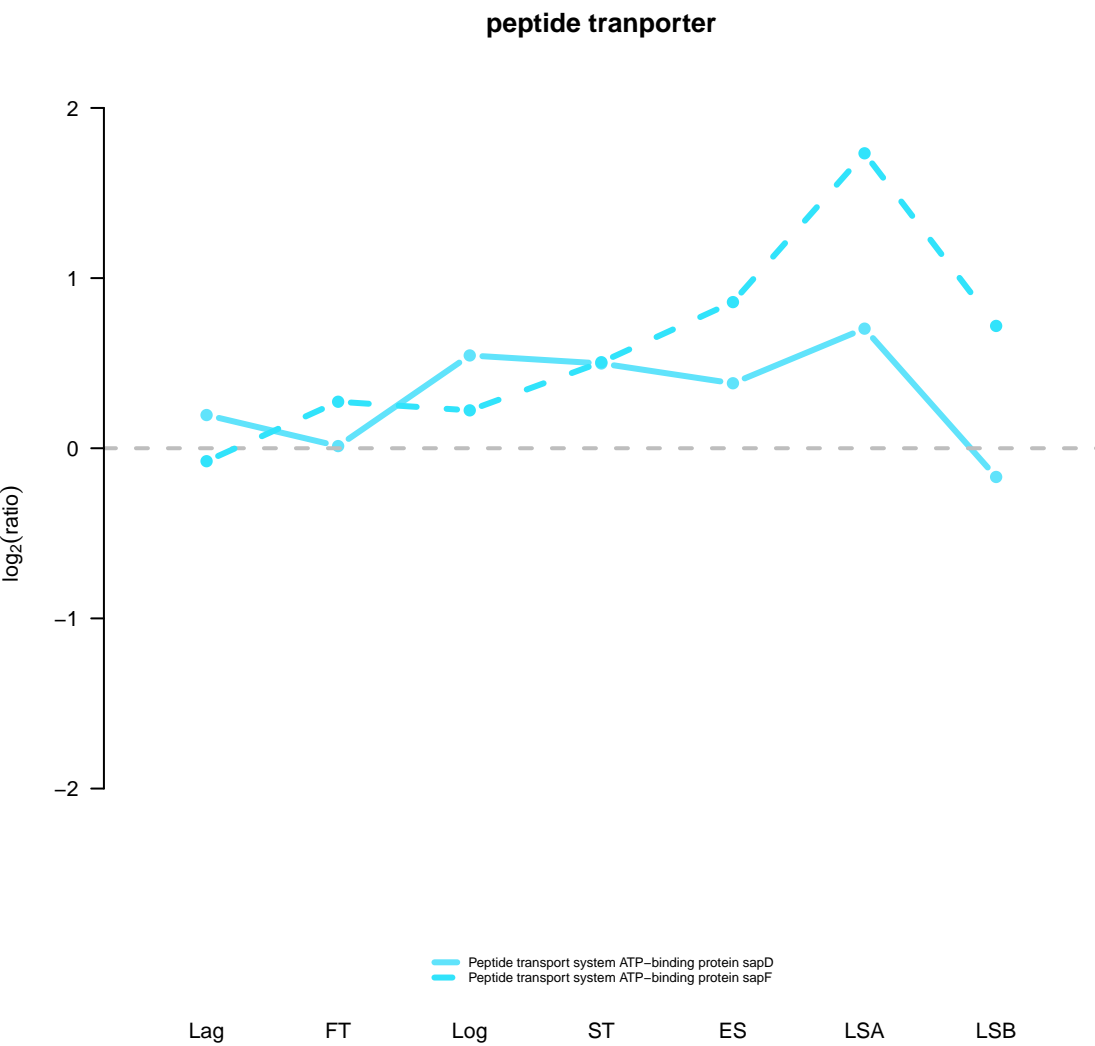
Protein B1;Ribonucleoside-diphosphate reductase 1
Protein B2;Protein R2;Ribonucleoside-diphosphate reductase 1

ftsEX ABC transporter



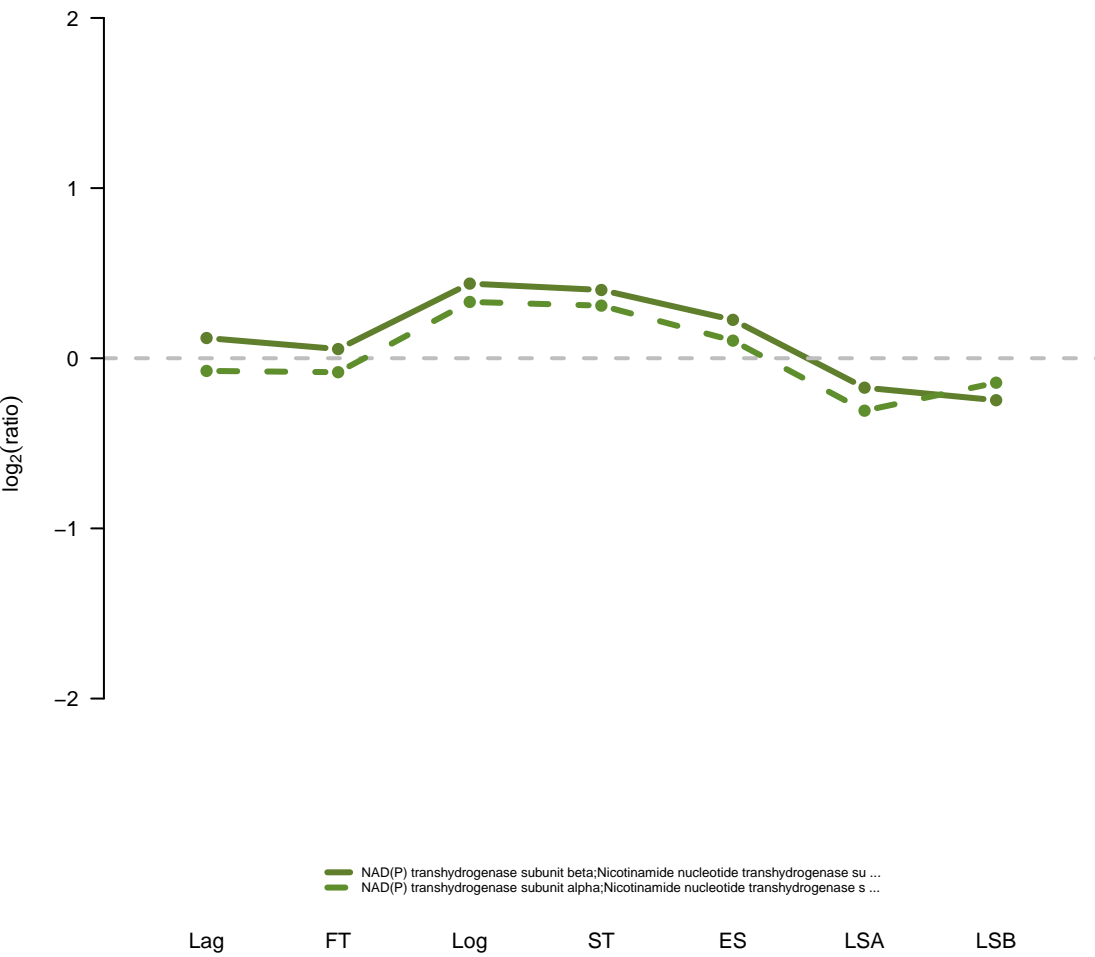
Protein copy numbers

ftsE
ftsXP0A9R7
P0AC30Cell division ATP-binding prot ...
Cell division protein ftsX

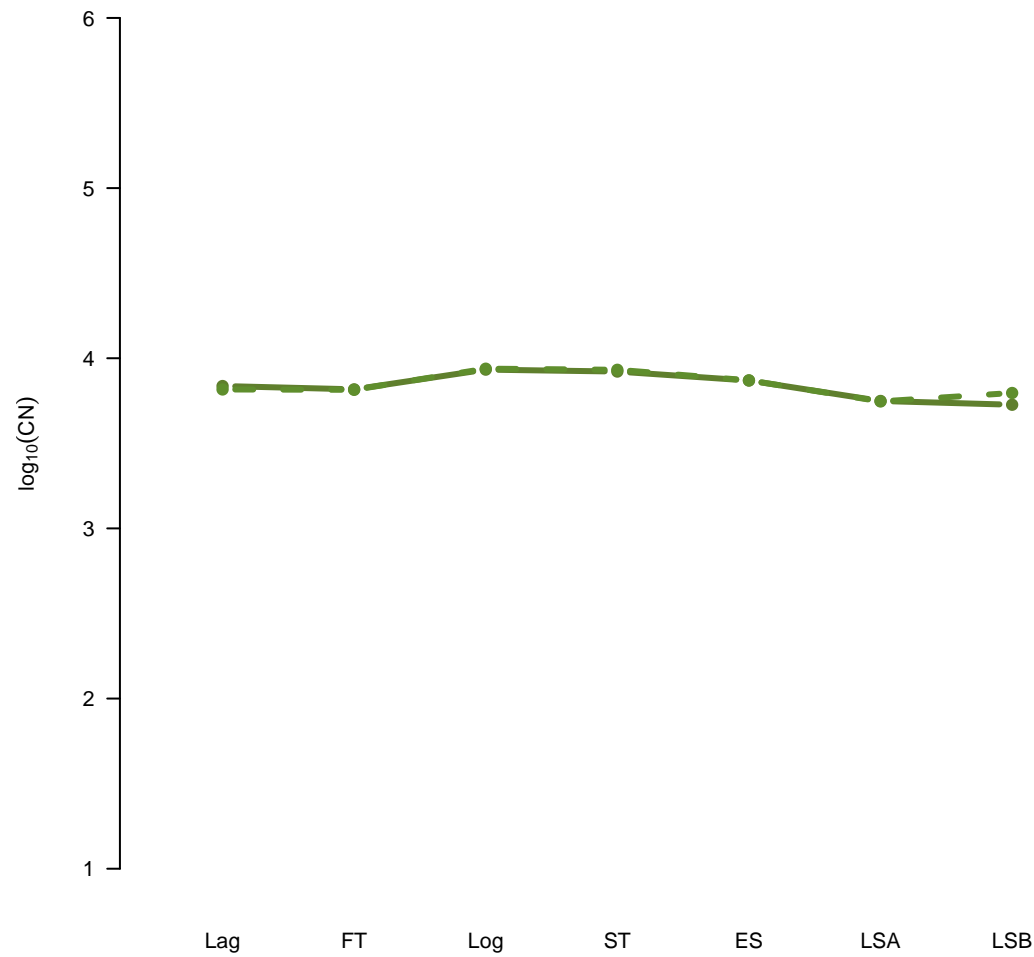


sapD	P0AAH4	Peptide transport system ATP-b ...
sapF	P0AAH8	Peptide transport system ATP-b ...
sapB	-	-
sapC	P0AGH5	Peptide transport system perme ...

pyridine nucleotide transhydrogenase

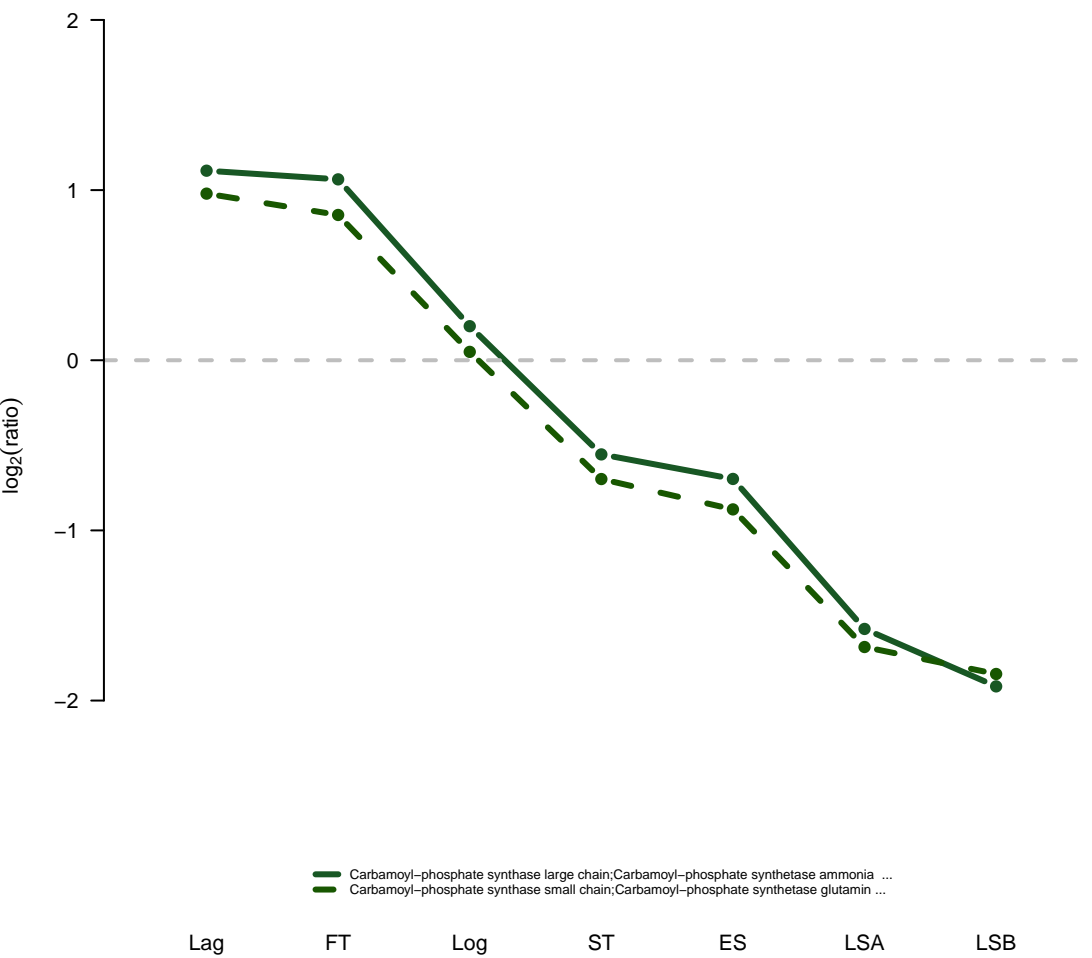


Protein copy numbers

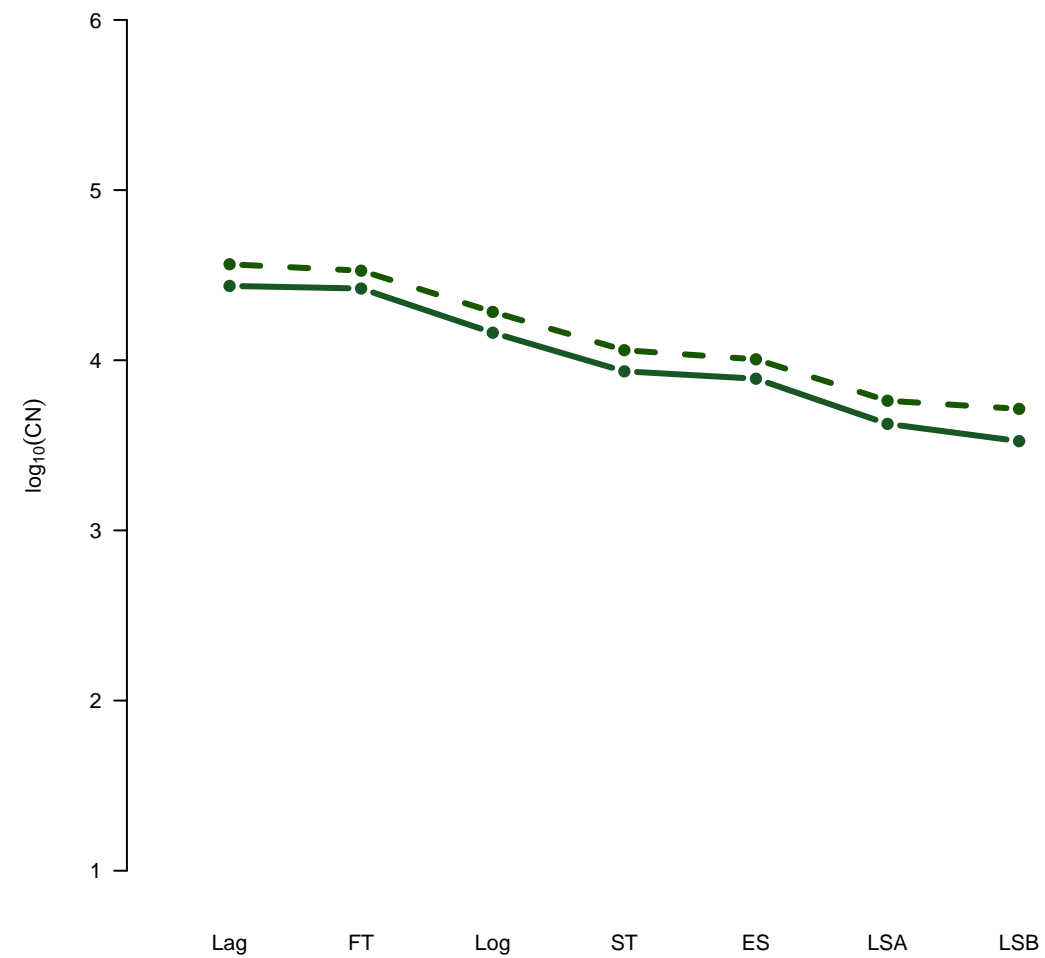


pntB	P0AB67	NAD(P) transhydrogenase subuni ...
pntA	P07001	NAD(P) transhydrogenase subuni ...

carbamoyl phosphate synthetase

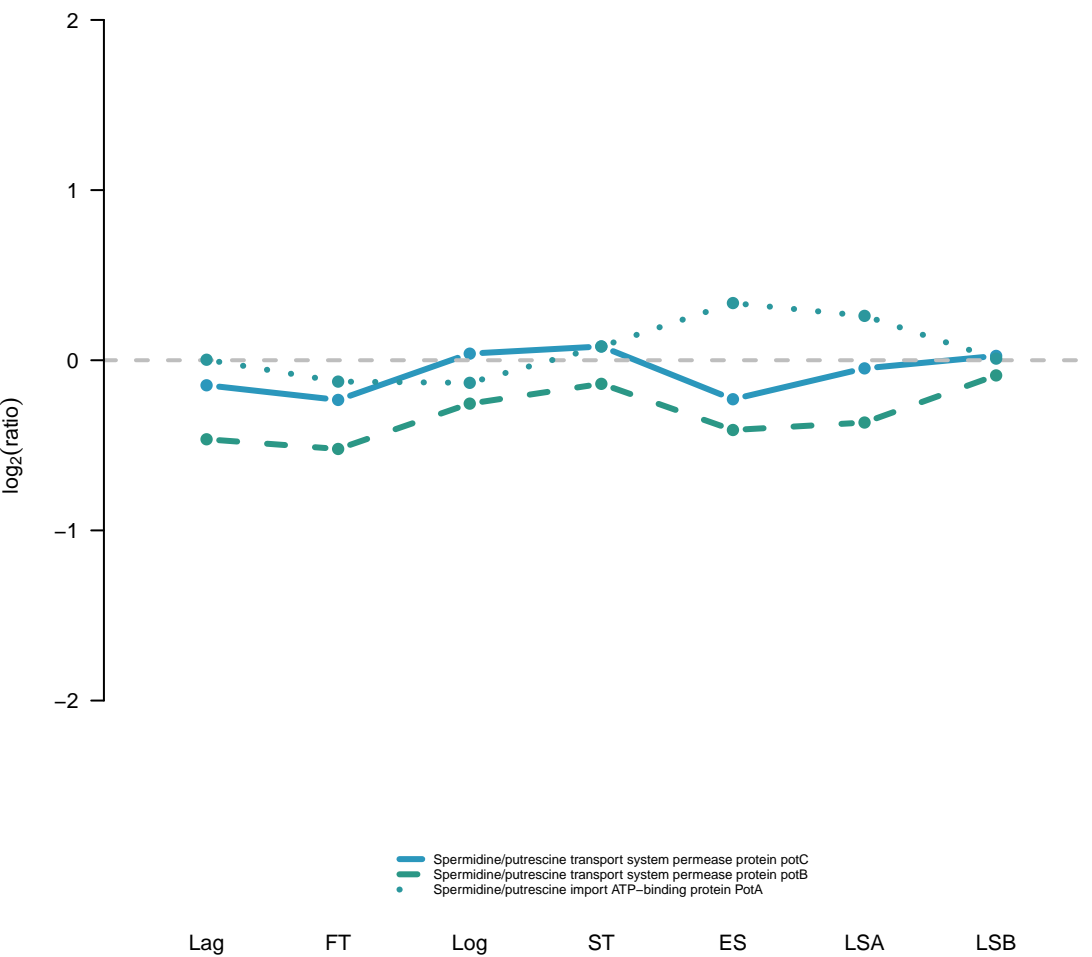


Protein copy numbers

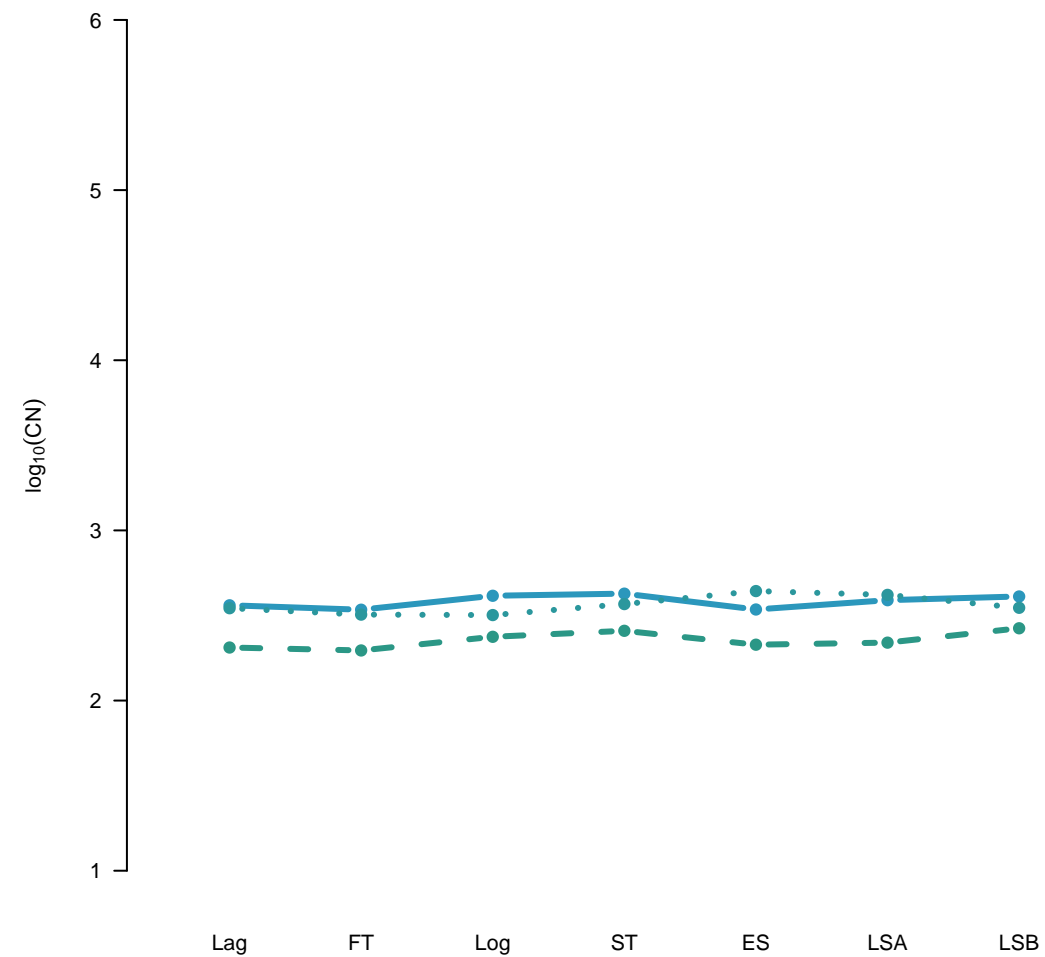


carB P00968 Carbamoyl-phosphate synthase I ...
 carA P0A6F1 Carbamoyl-phosphate synthase s ...

putrescine and spermidine transporter

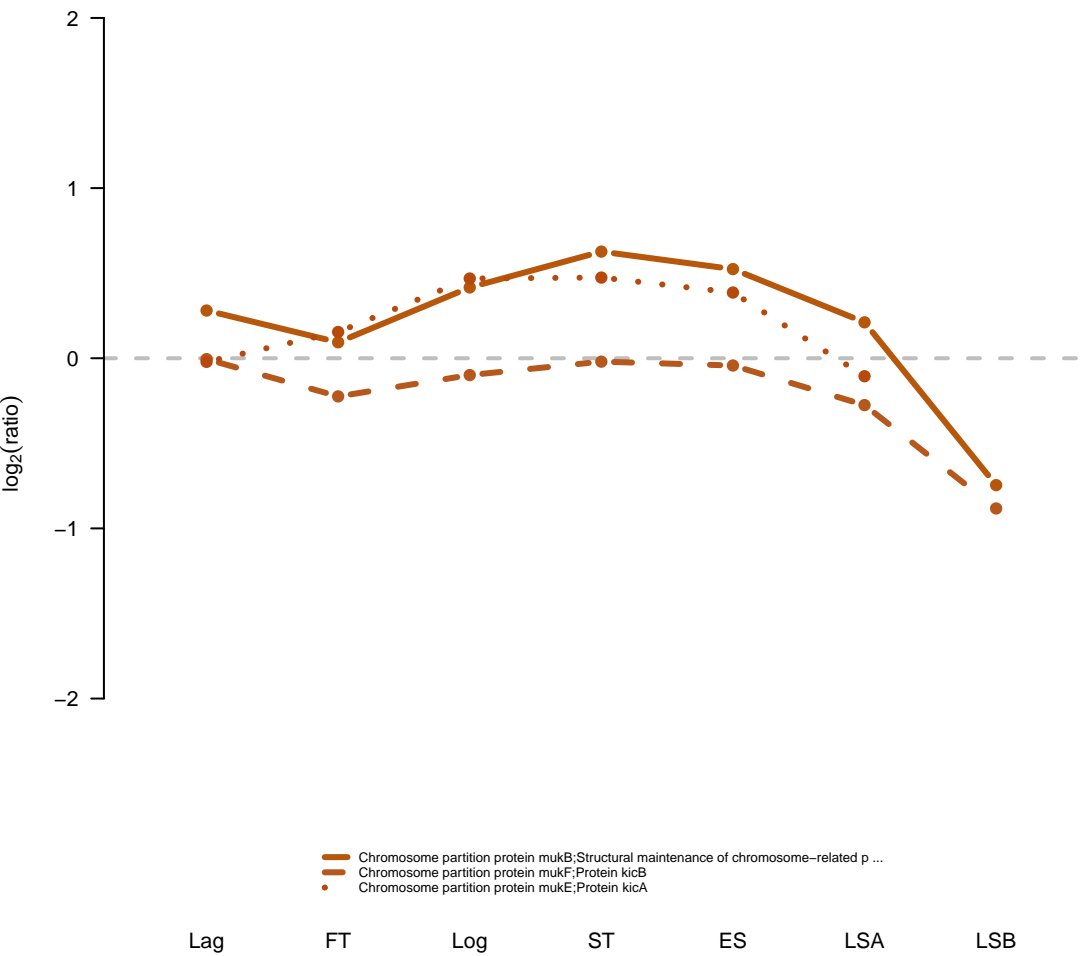


Protein copy numbers

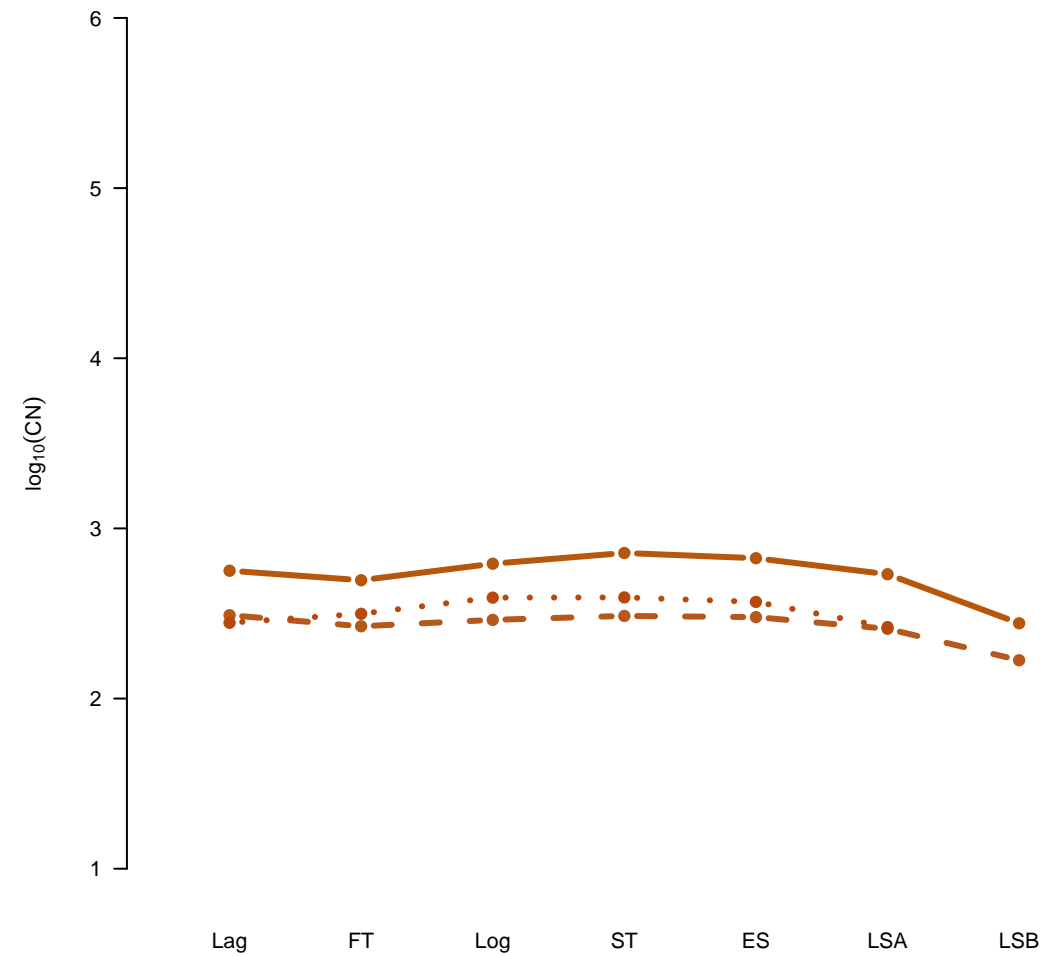


potC	P0AFK6	Spermidine/putrescine transpor ...
potB	P0AFK4	Spermidine/putrescine transpor ...
potA	P69874	Spermidine/putrescine import A ...

bacterial condensin

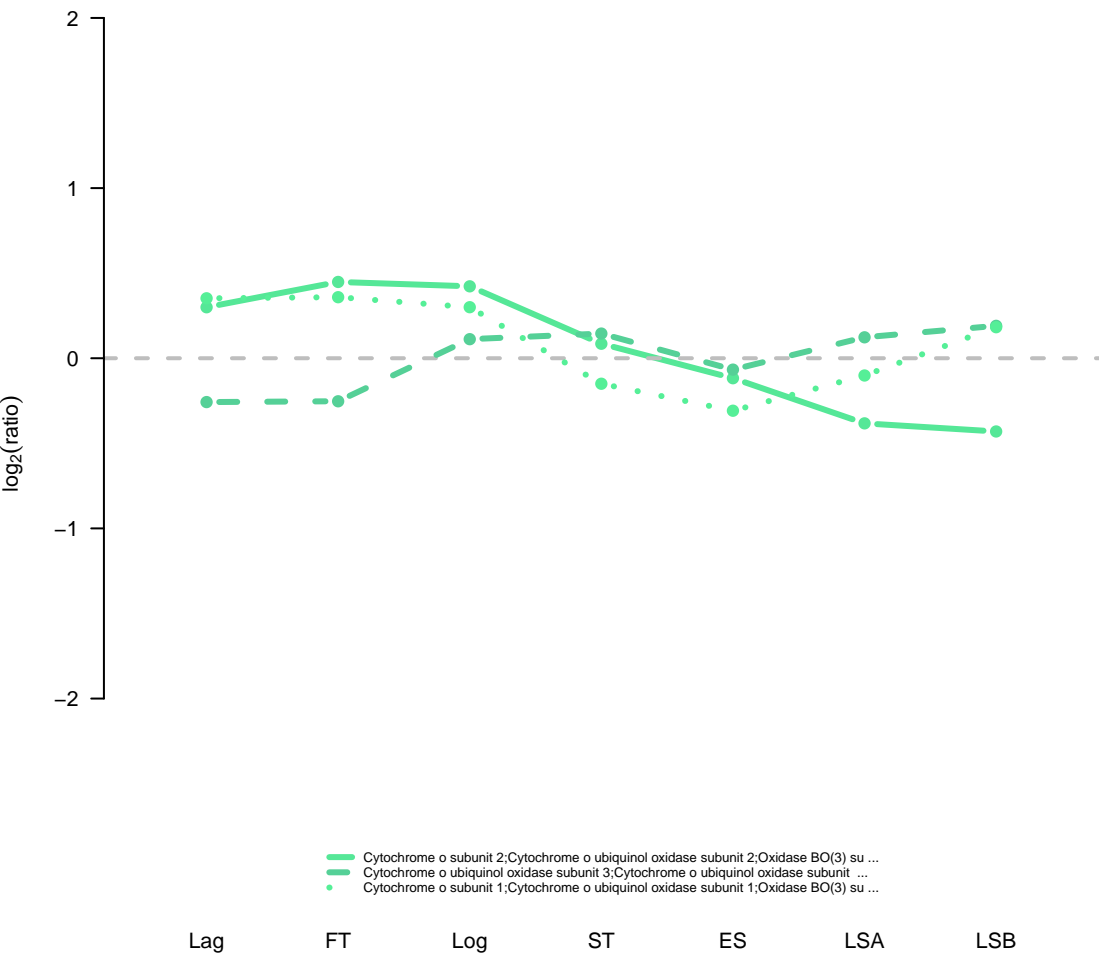


Protein copy numbers

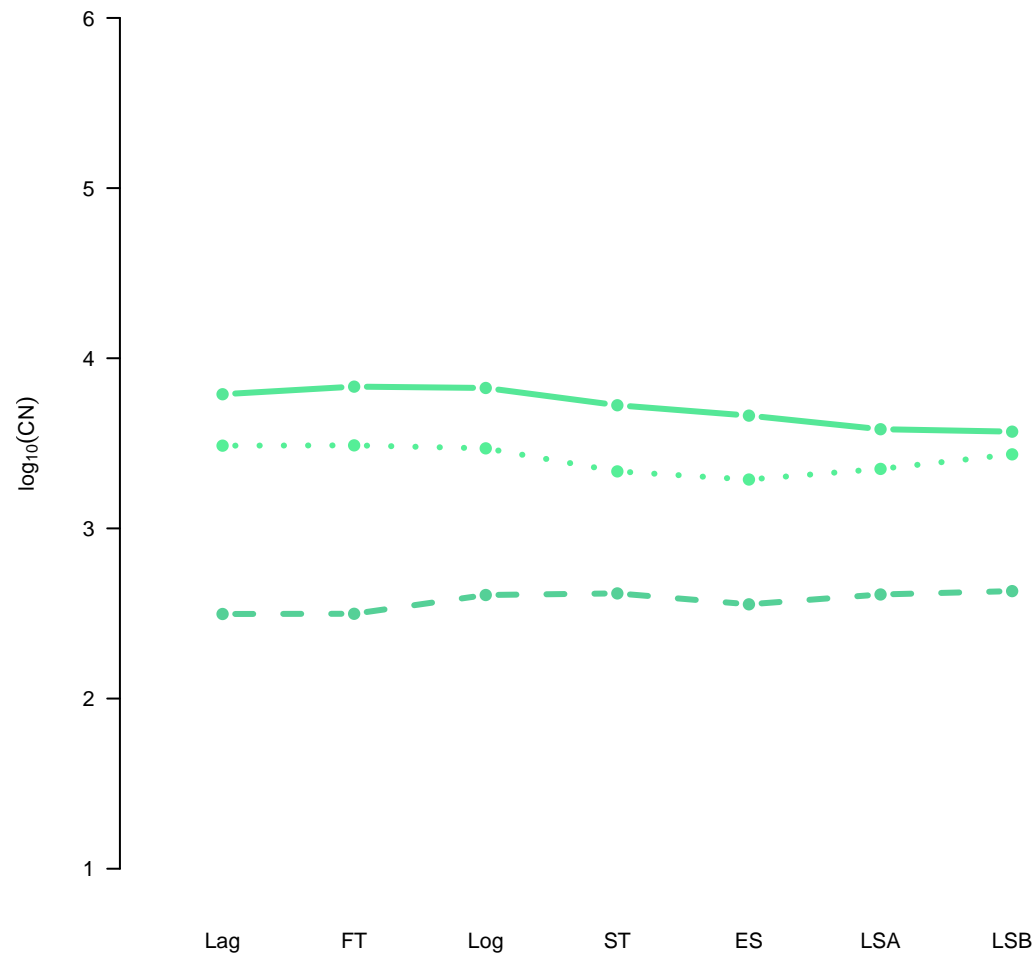


mukB	P22523	Chromosome partition protein m ...
mukF	P60293	Chromosome partition protein m ...
mukE	P22524	Chromosome partition protein m ...

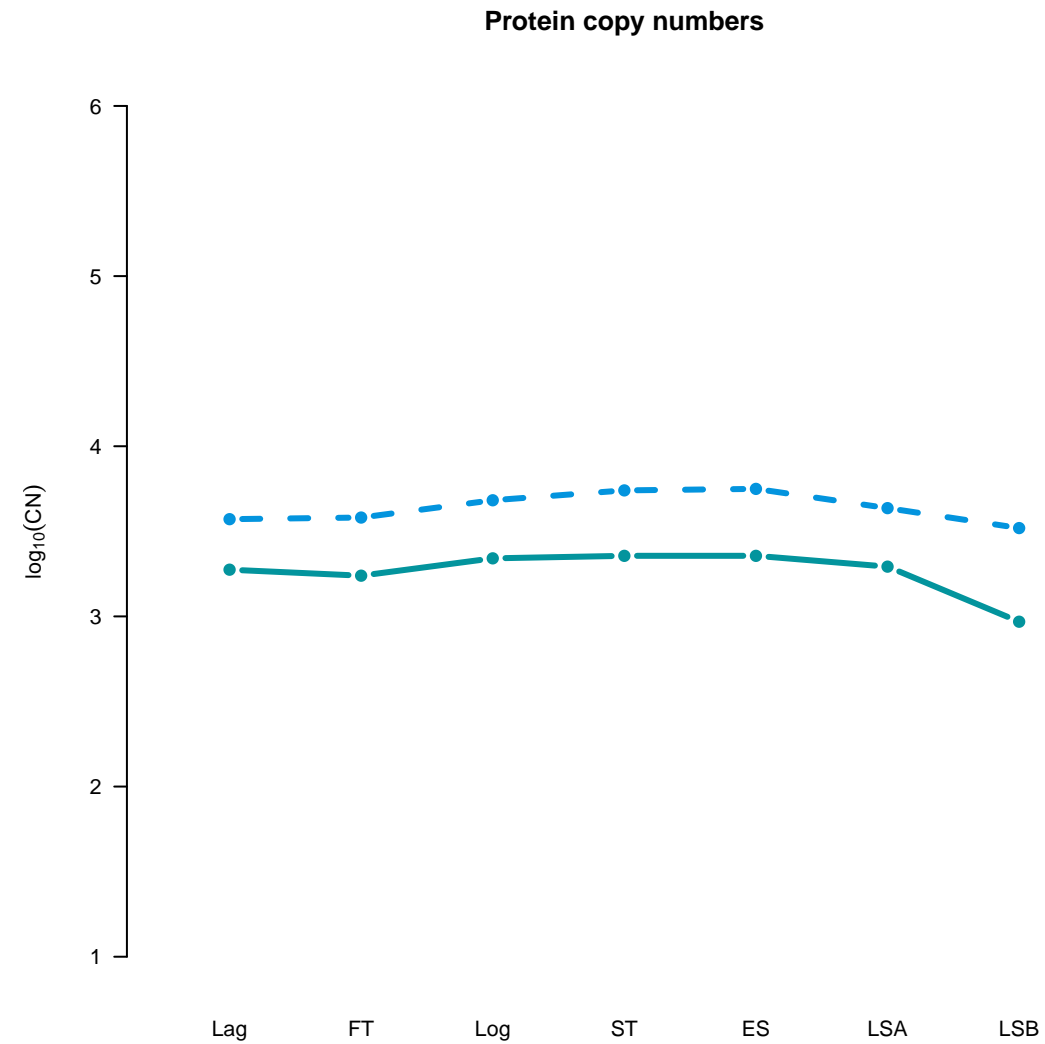
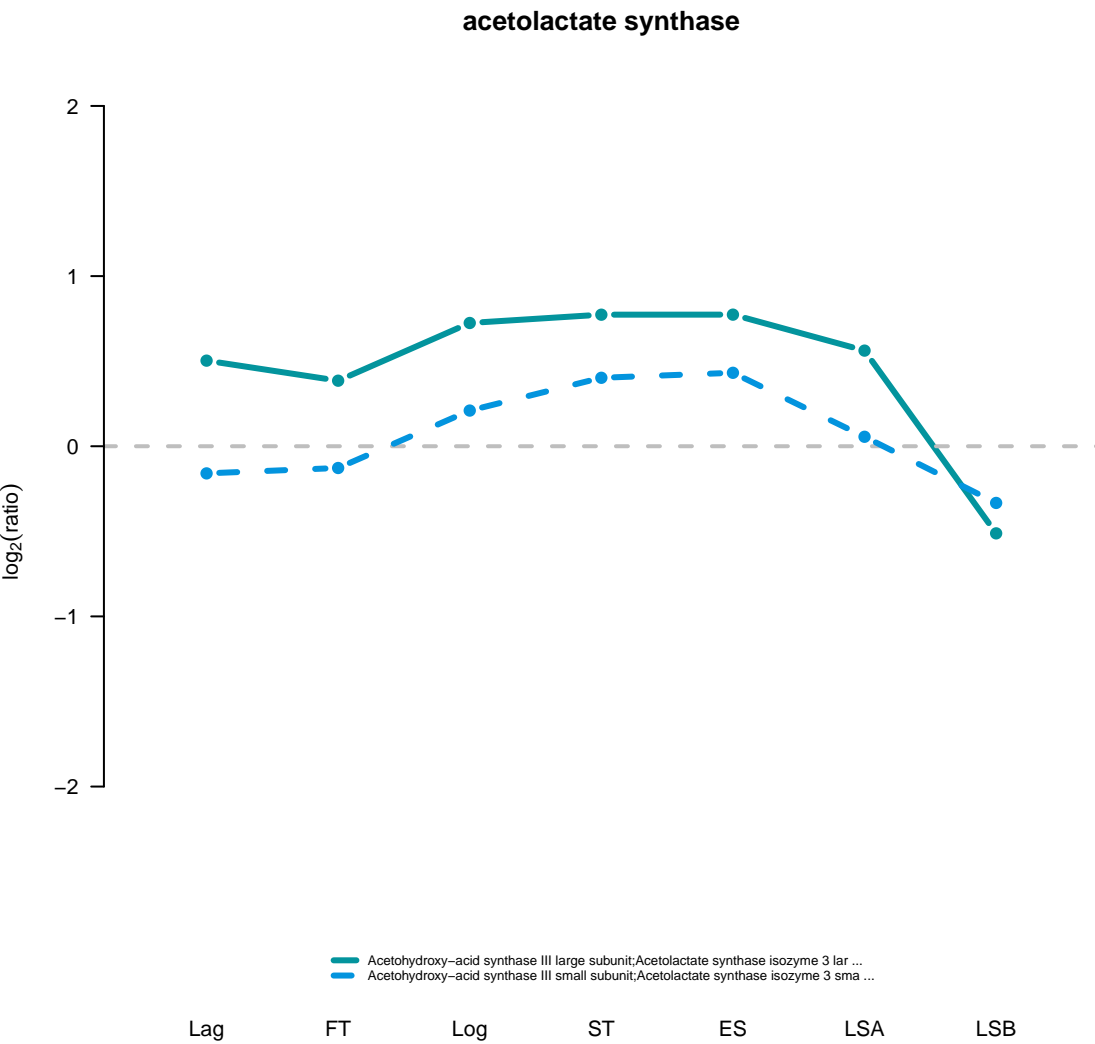
cytochrome bo



Protein copy numbers

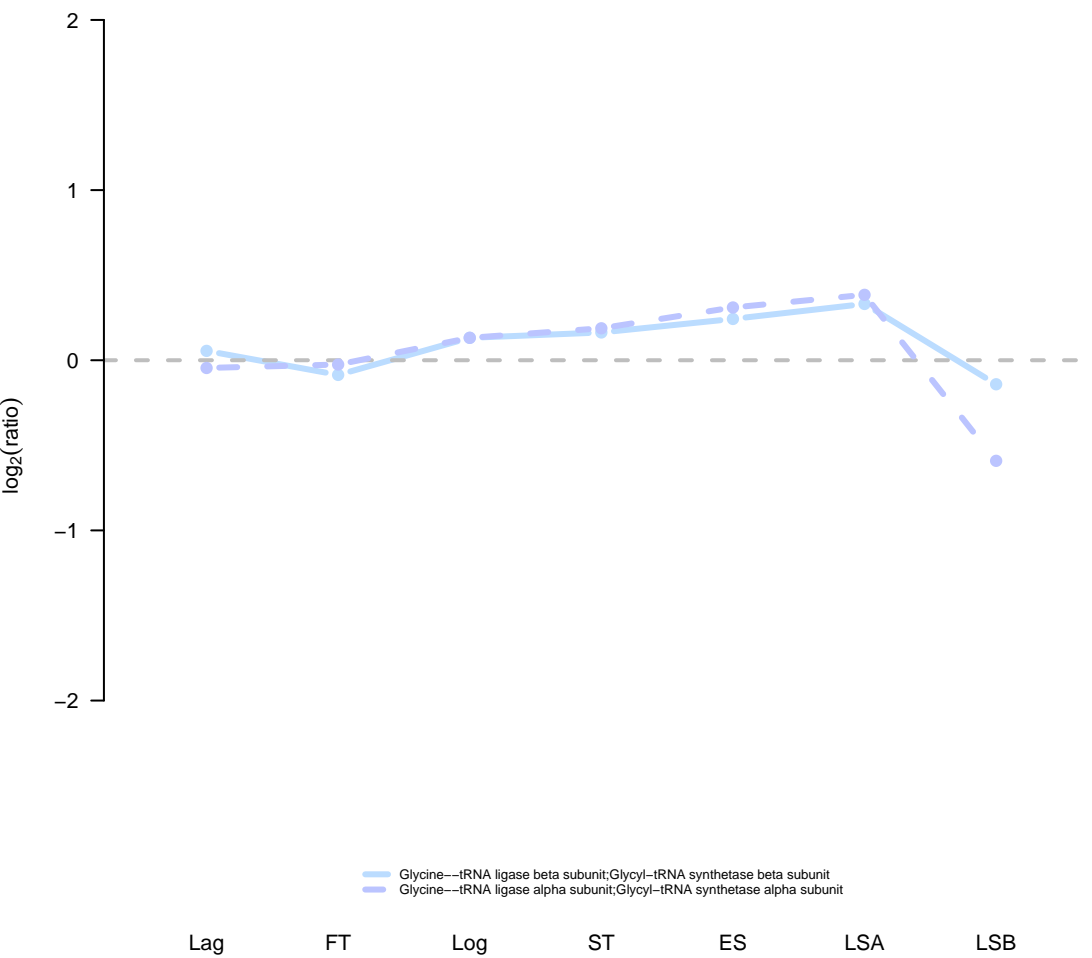


cyoA	P0ABJ1	Cytochrome o subunit 2;Cytochr ...
cyoC	P0ABJ3	Cytochrome o ubiquinol oxidase ...
cyoB	P0ABI8	Cytochrome o subunit 1;Cytochr ...
cyoD	P0ABJ6	Cytochrome o ubiquinol oxidase ...

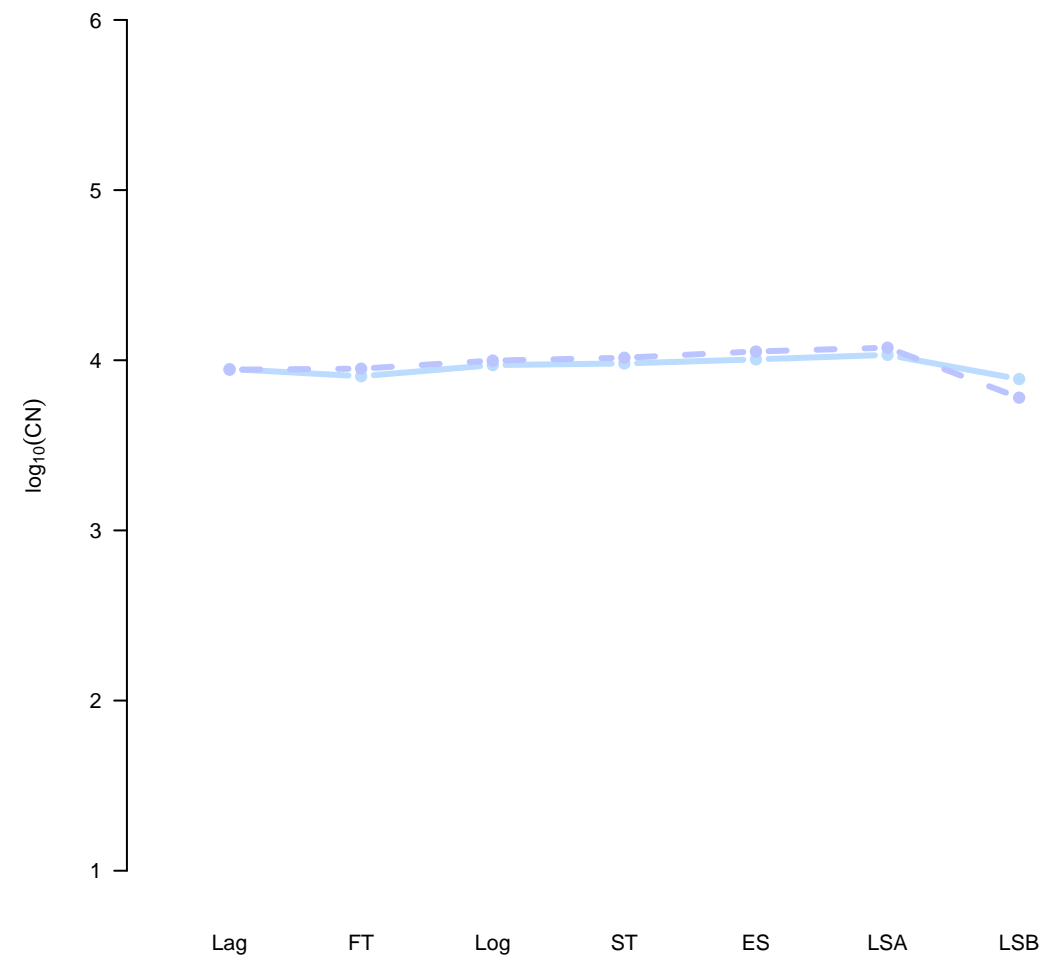


ilvI	P00893	Acetohydroxy-acid synthase III ...
ilvH	P00894	Acetohydroxy-acid synthase III ...

glycyl-tRNA synthetase

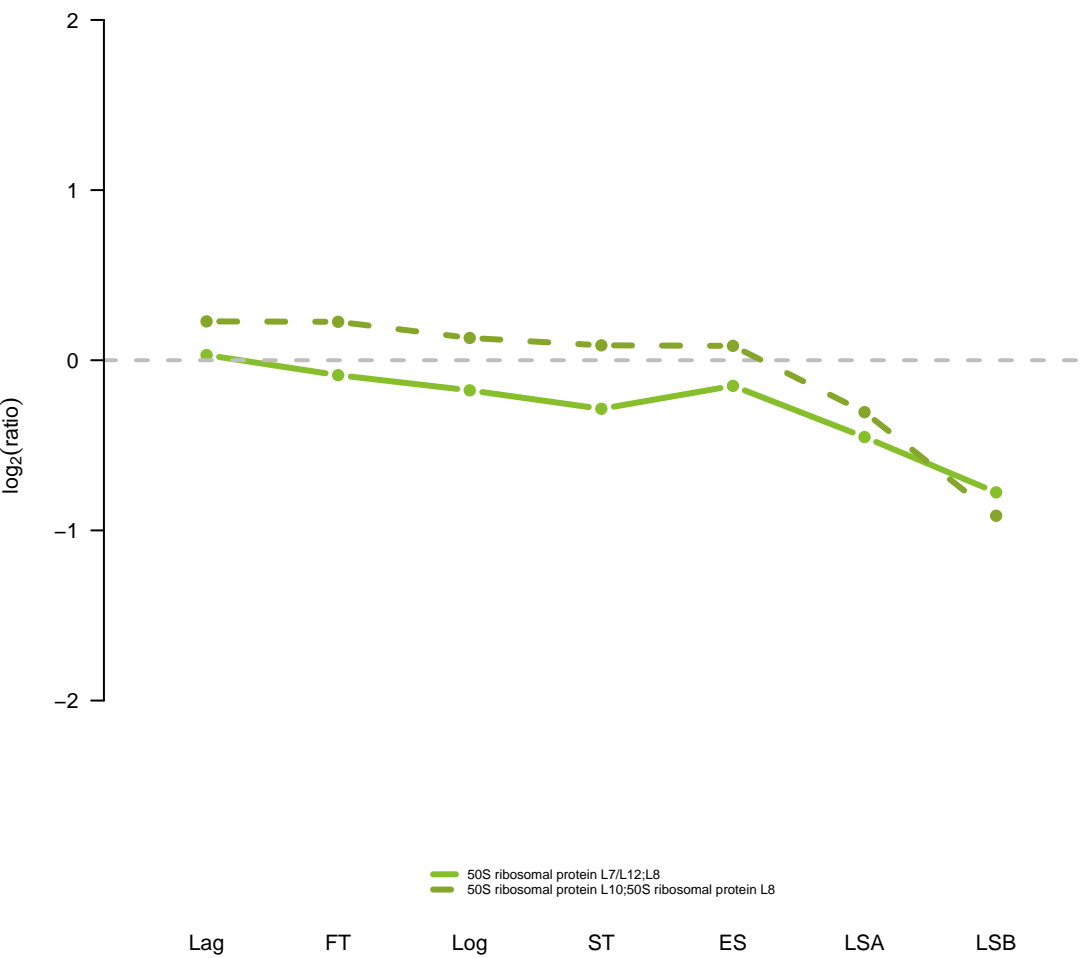


Protein copy numbers

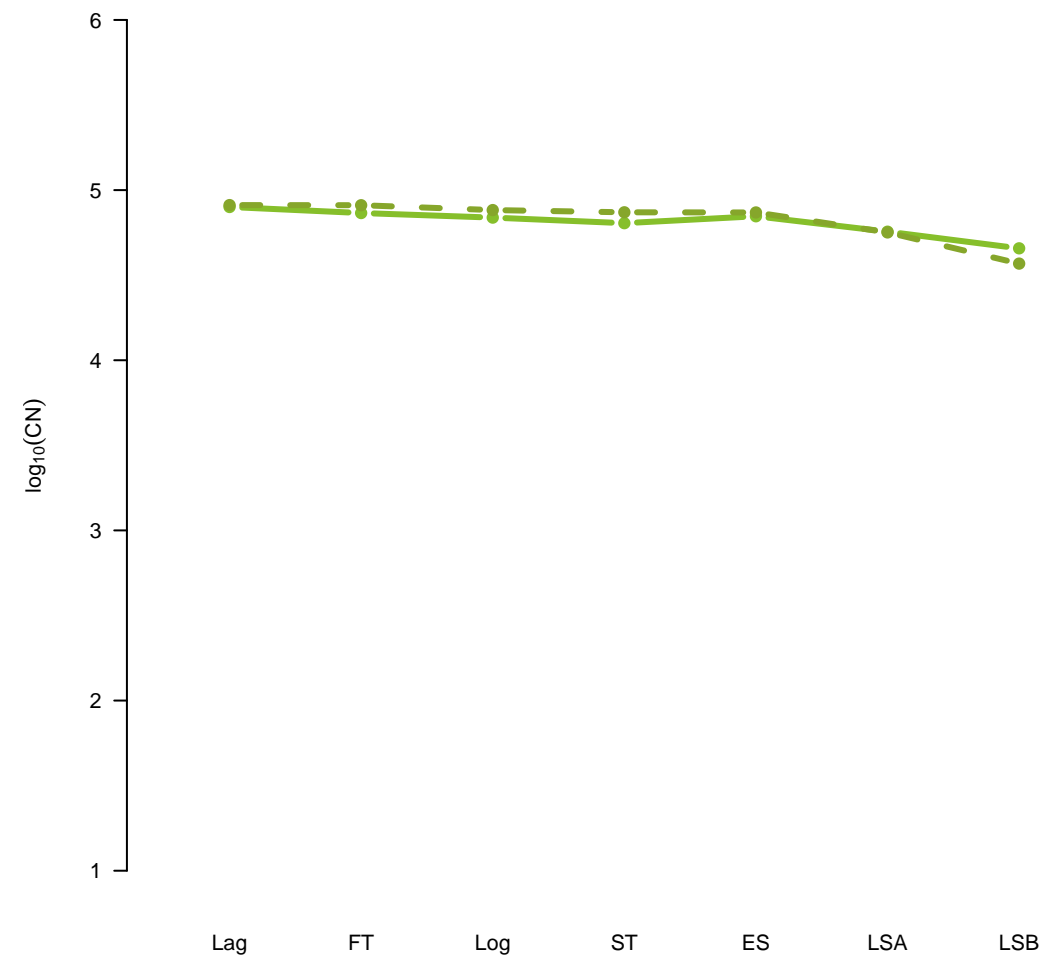


glyS	P00961	Glycine--tRNA ligase beta subu ...
glyQ	P00960	Glycine--tRNA ligase alpha sub ...

50S ribosomal L8 complex

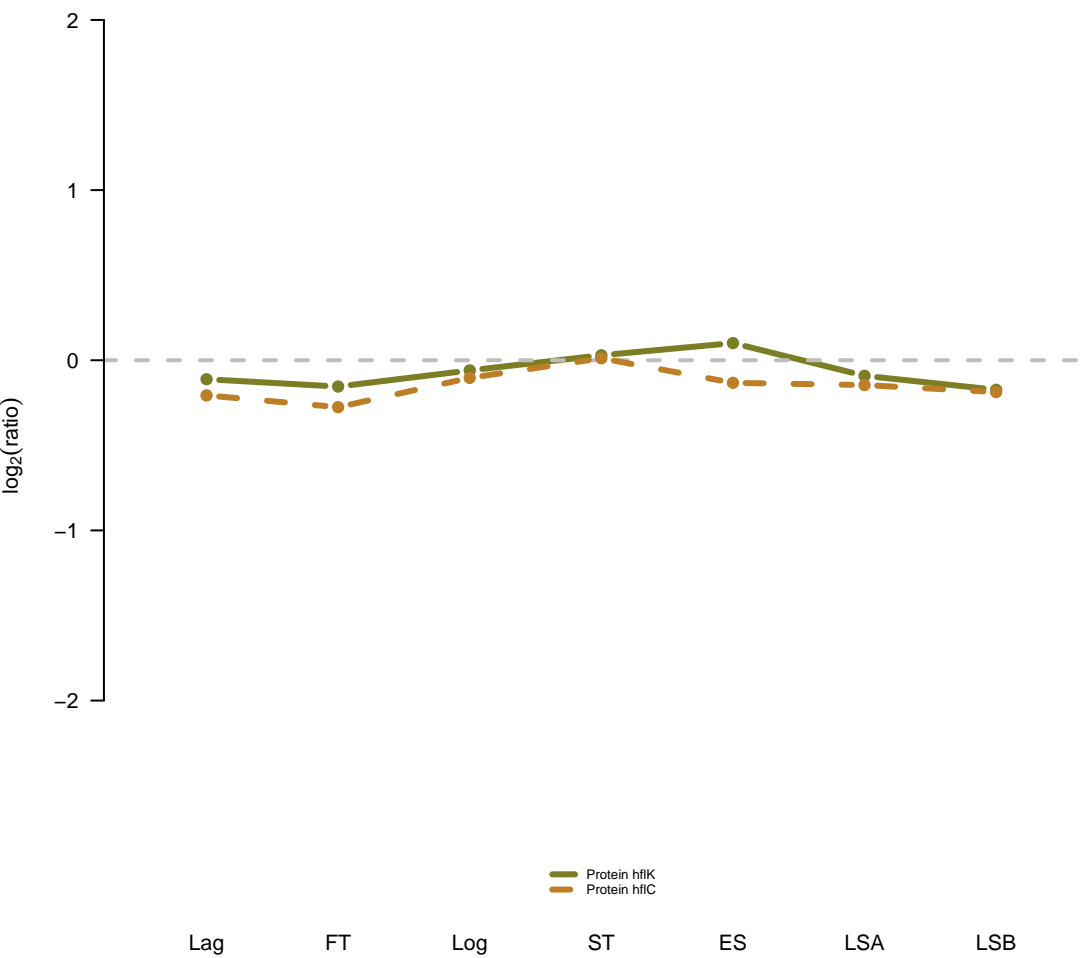


Protein copy numbers

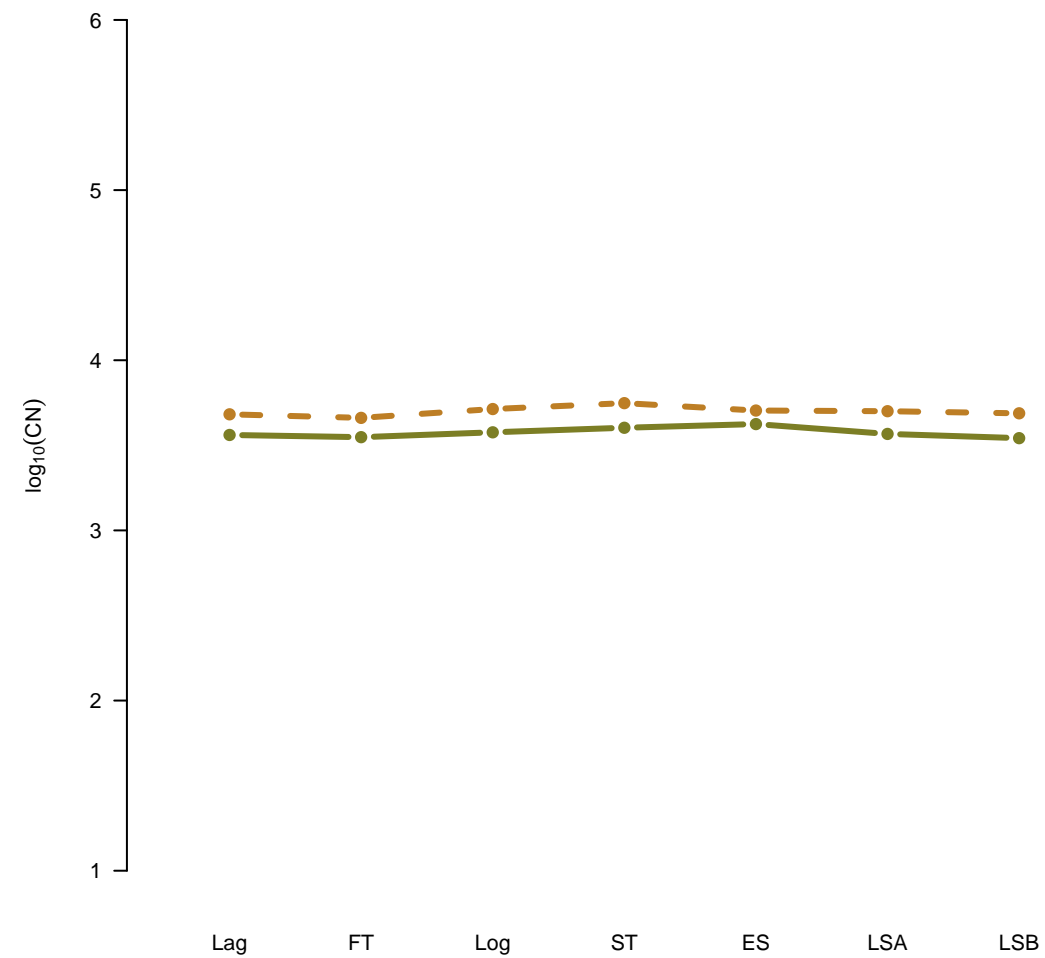


rplL P0A7K2 50S ribosomal protein L7/L12;L ...
 rplJ P0A7J3 50S ribosomal protein L10;50S ...

regulator of FtsH protease

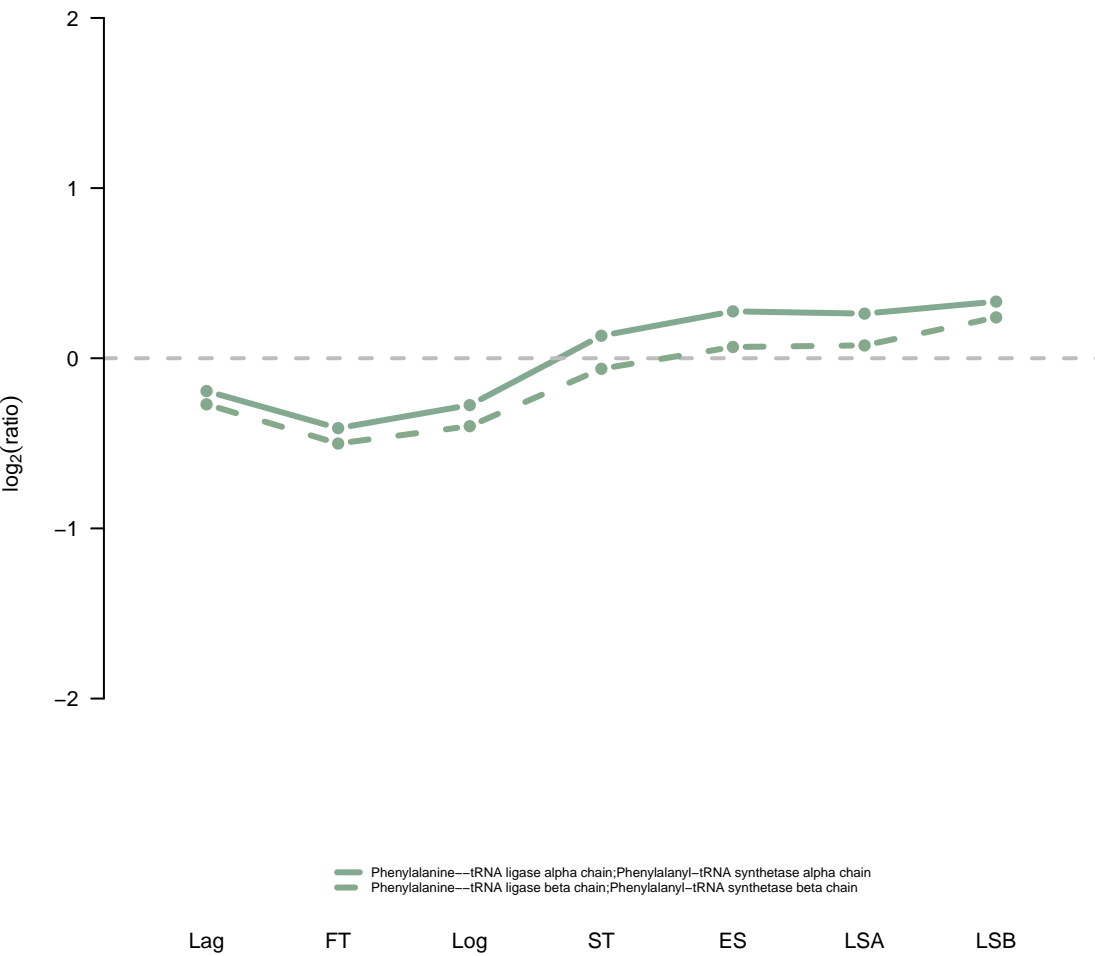


Protein copy numbers

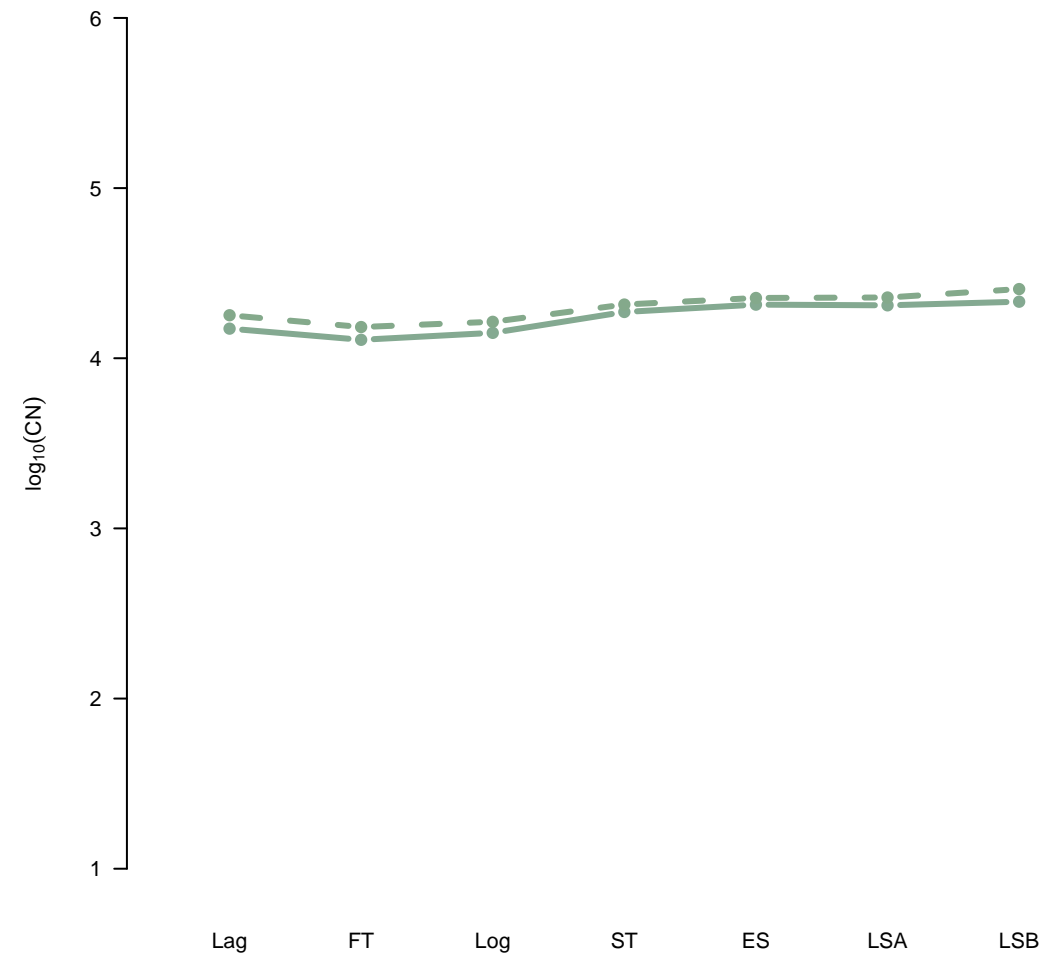


hflK P0ABC7 Protein hflK
hflC P0ABC3 Protein hflC

phenylalanyl-tRNA synthetase

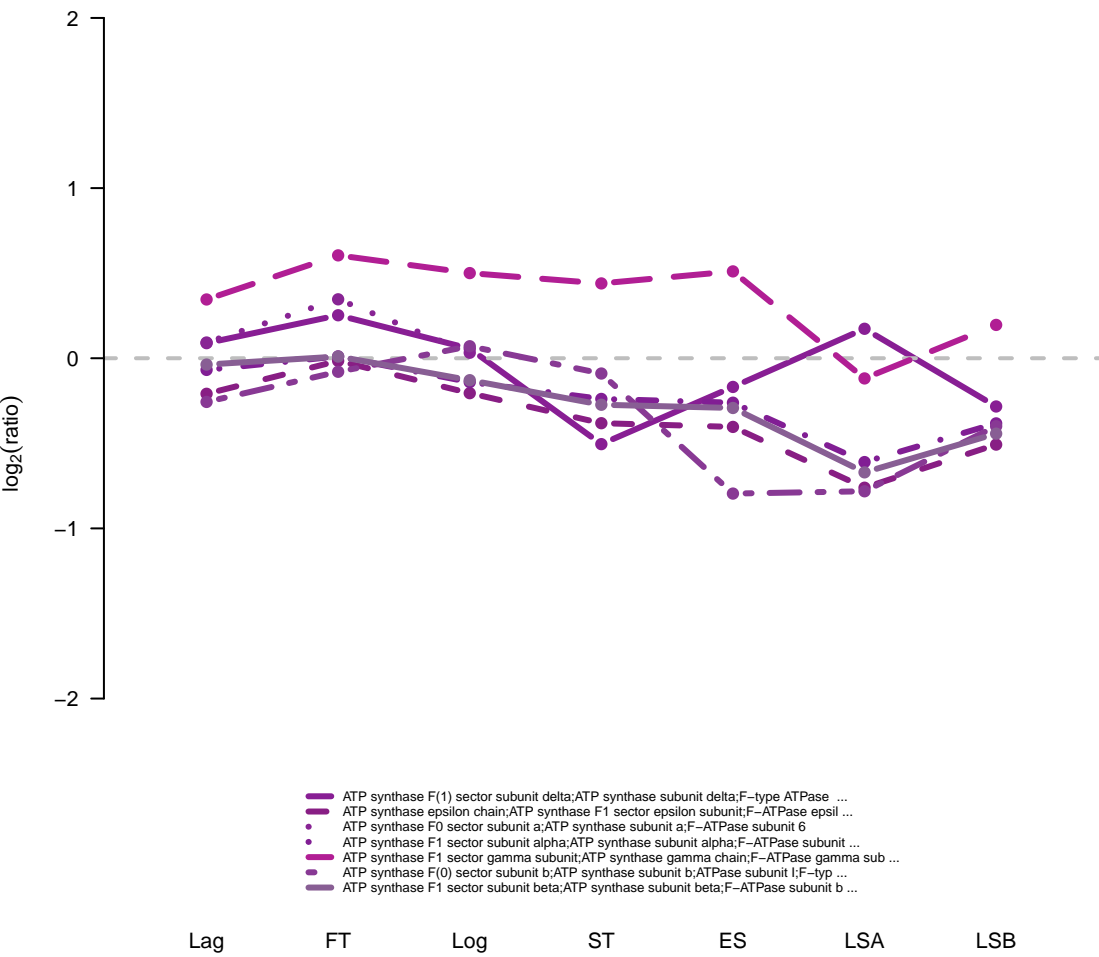


Protein copy numbers

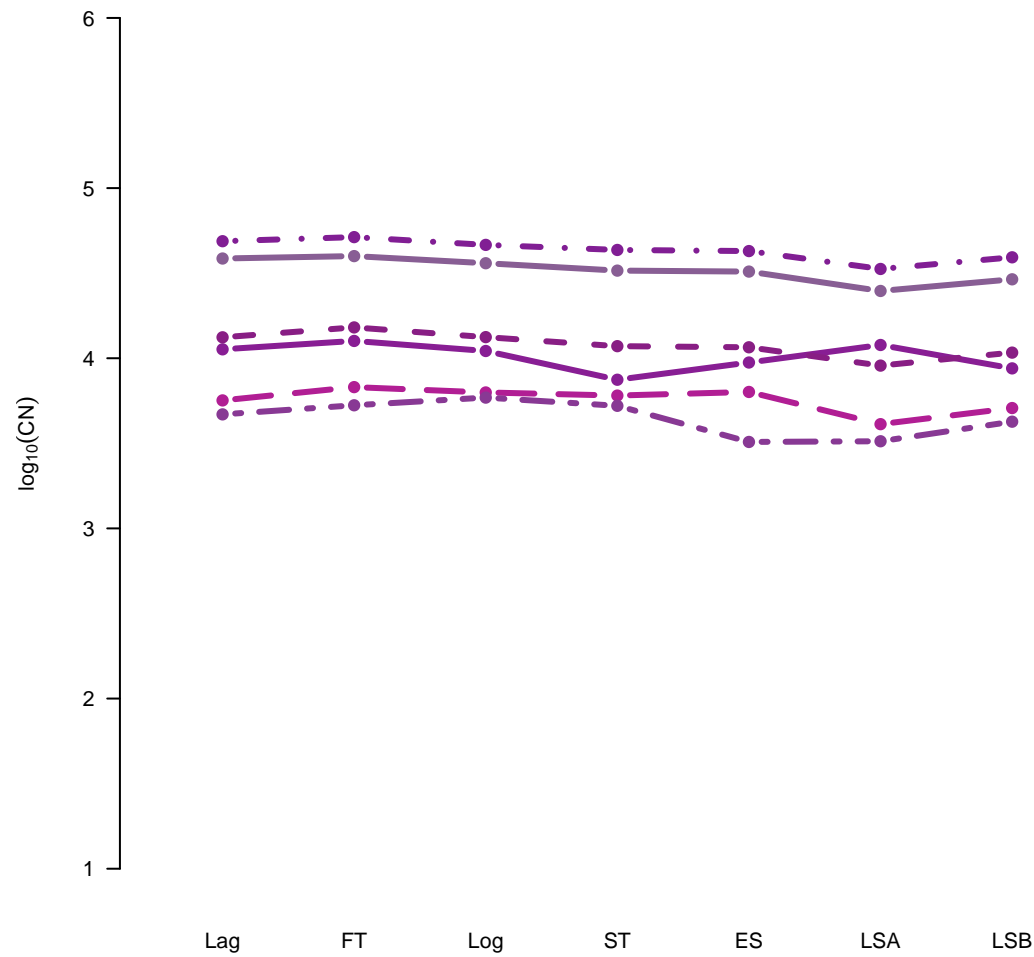


pheS	P08312	Phenylalanine--tRNA ligase alp ...
pheT	P07395	Phenylalanine--tRNA ligase bet ...

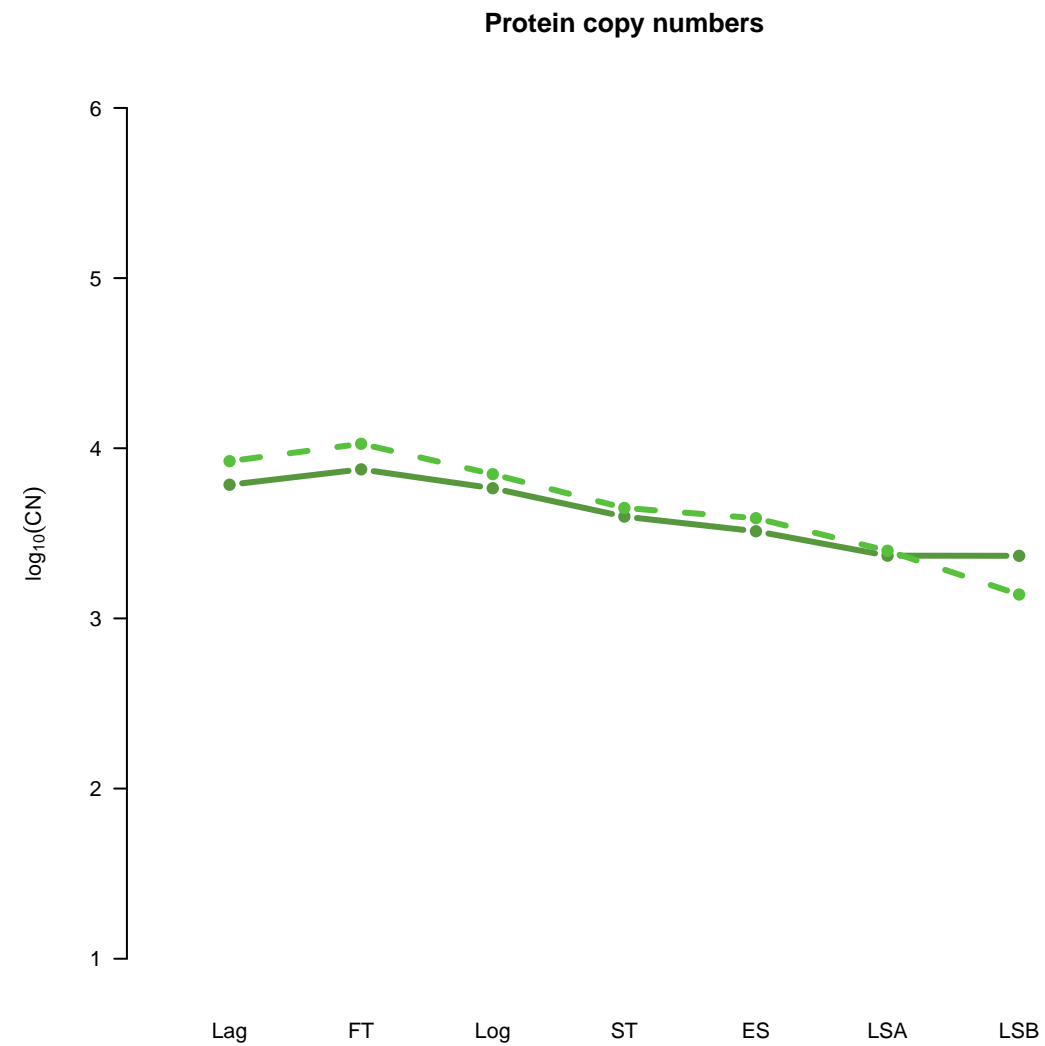
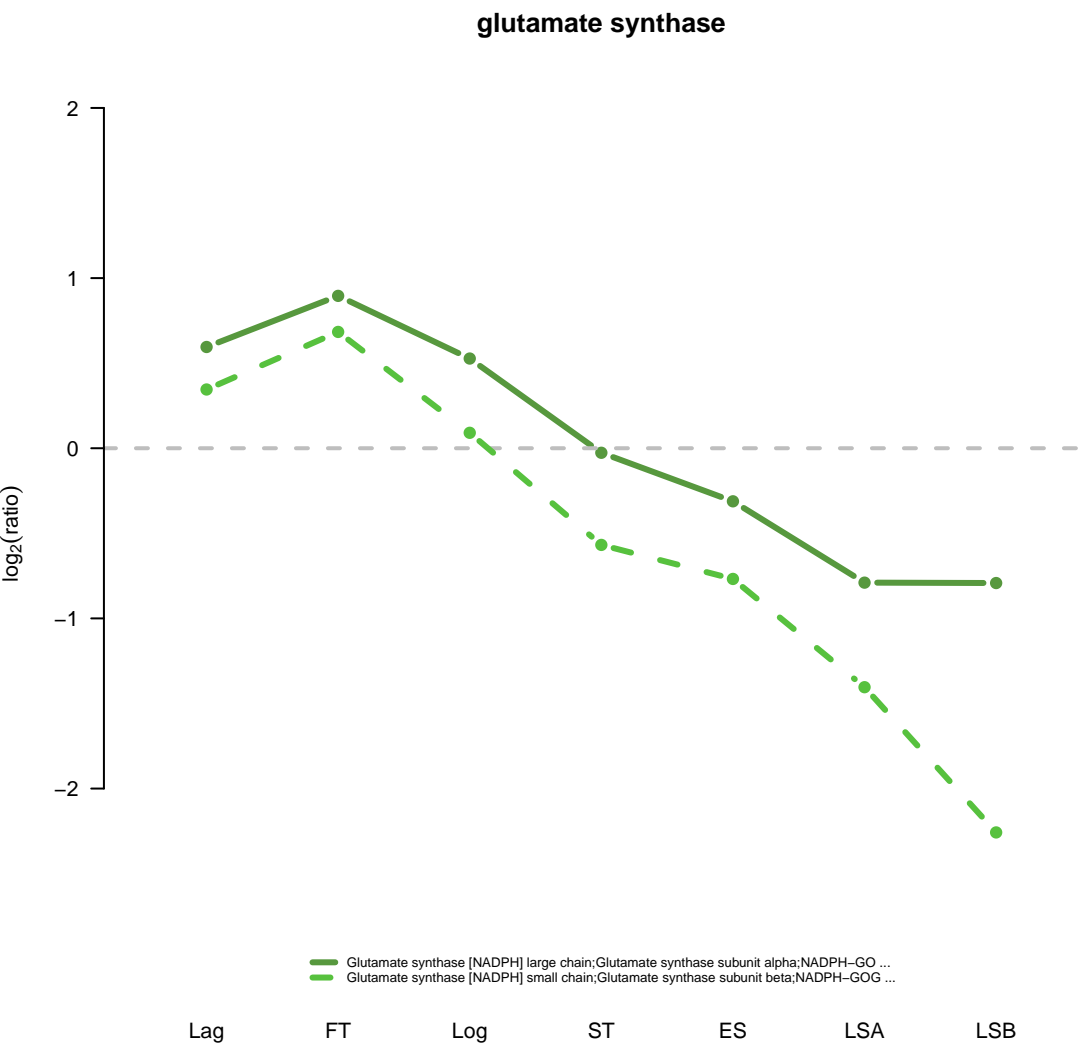
F0F1 ATP synthase



Protein copy numbers

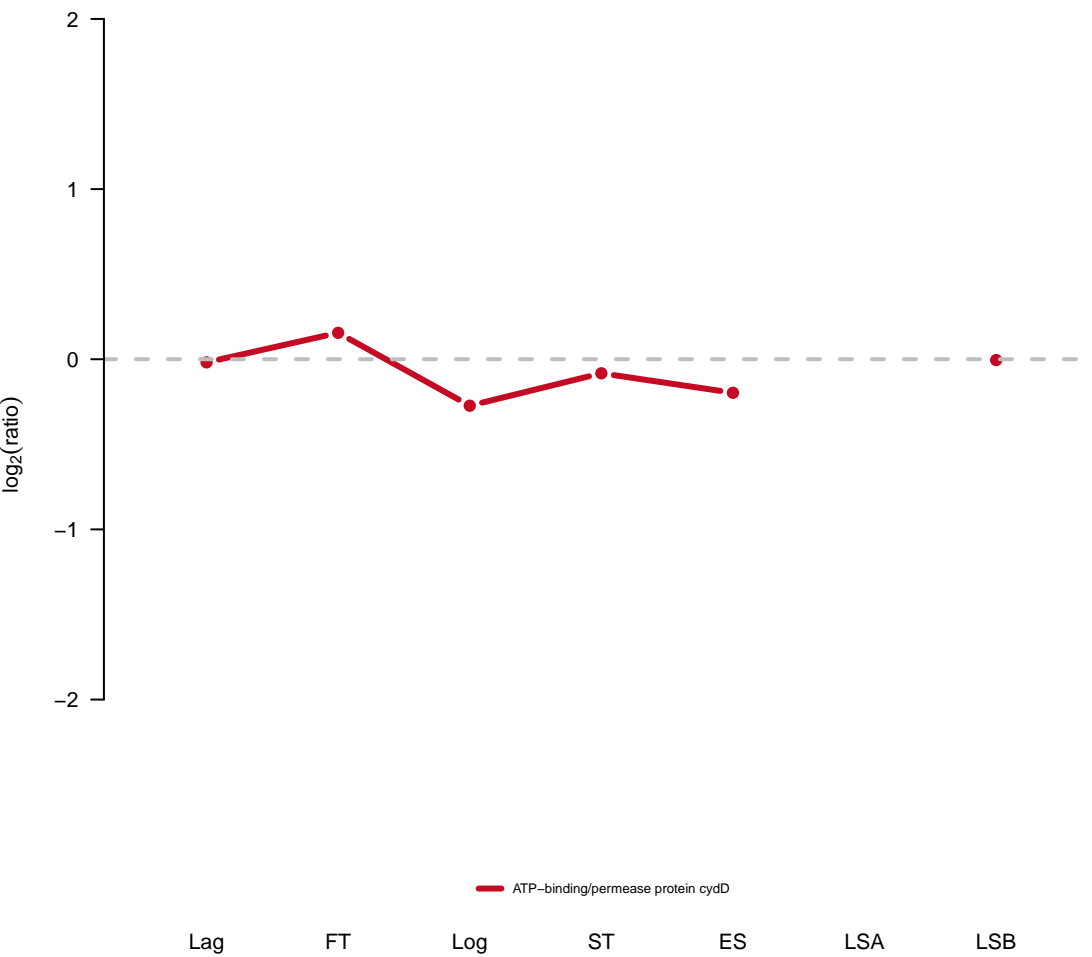


atpH	P0ABA4	ATP synthase F(1) sector subun ...
atpC	B1X9V9;C4ZZ09;P0A6E6	ATP synthase epsilon chain;ATP ...
atpB	P0AB98	ATP synthase F0 sector subunit ...
atpA	P0ABB0	ATP synthase F1 sector subunit ...
atpG	P0ABA6	ATP synthase F1 sector gamma s ...
atpF	P0ABA0	ATP synthase F(0) sector subun ...
atpE	—	—
atpD	P0ABB4	ATP synthase F1 sector subunit ...

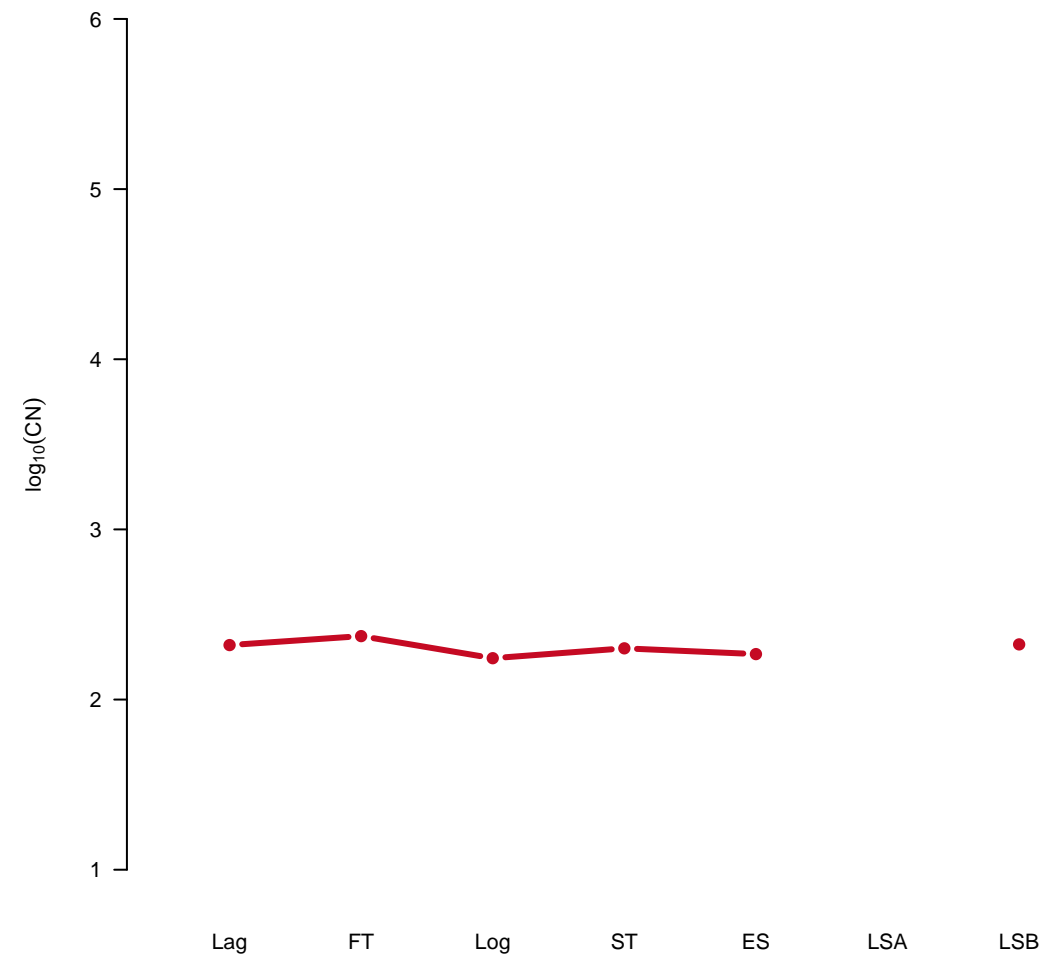


gltB	P09831	Glutamate synthase [NADPH] lar ...
gltD	P09832	Glutamate synthase [NADPH] sma ...

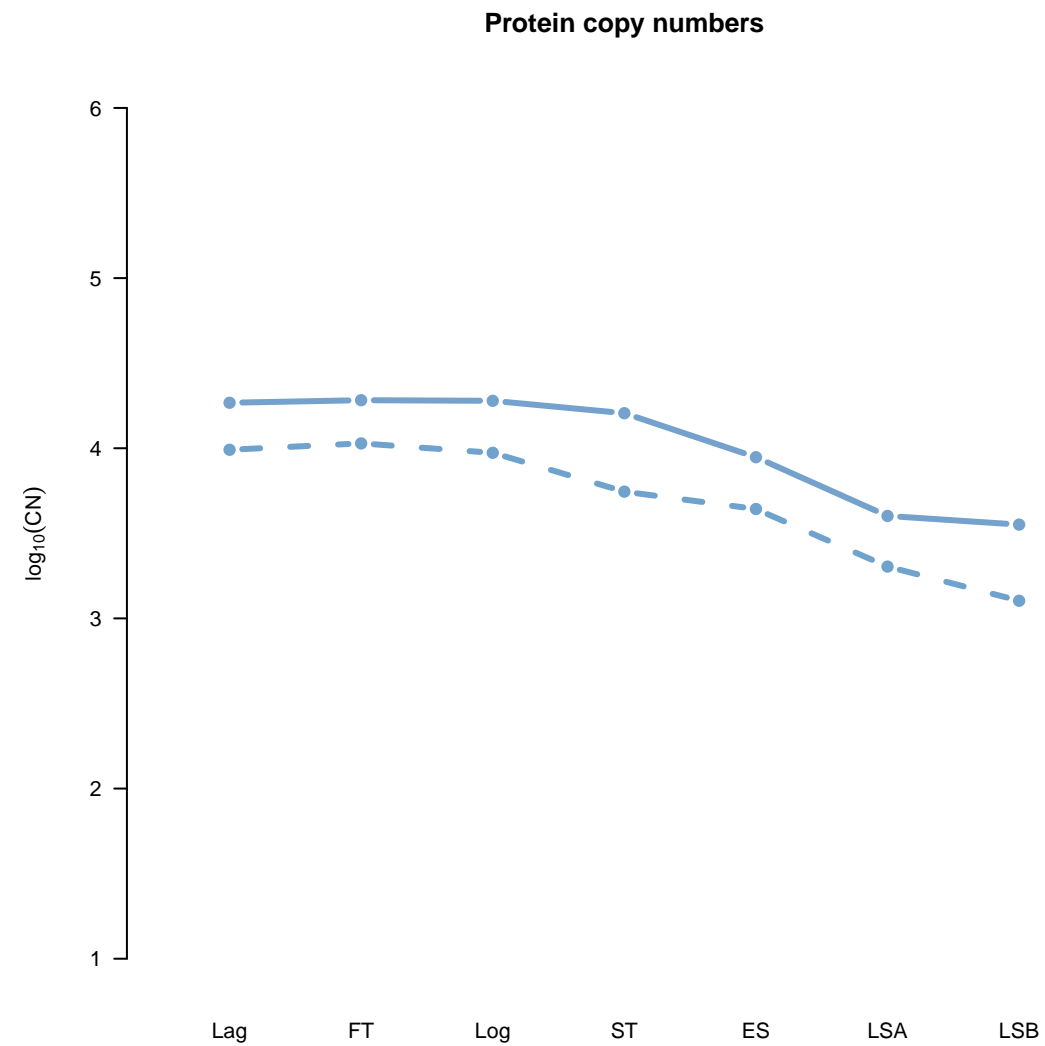
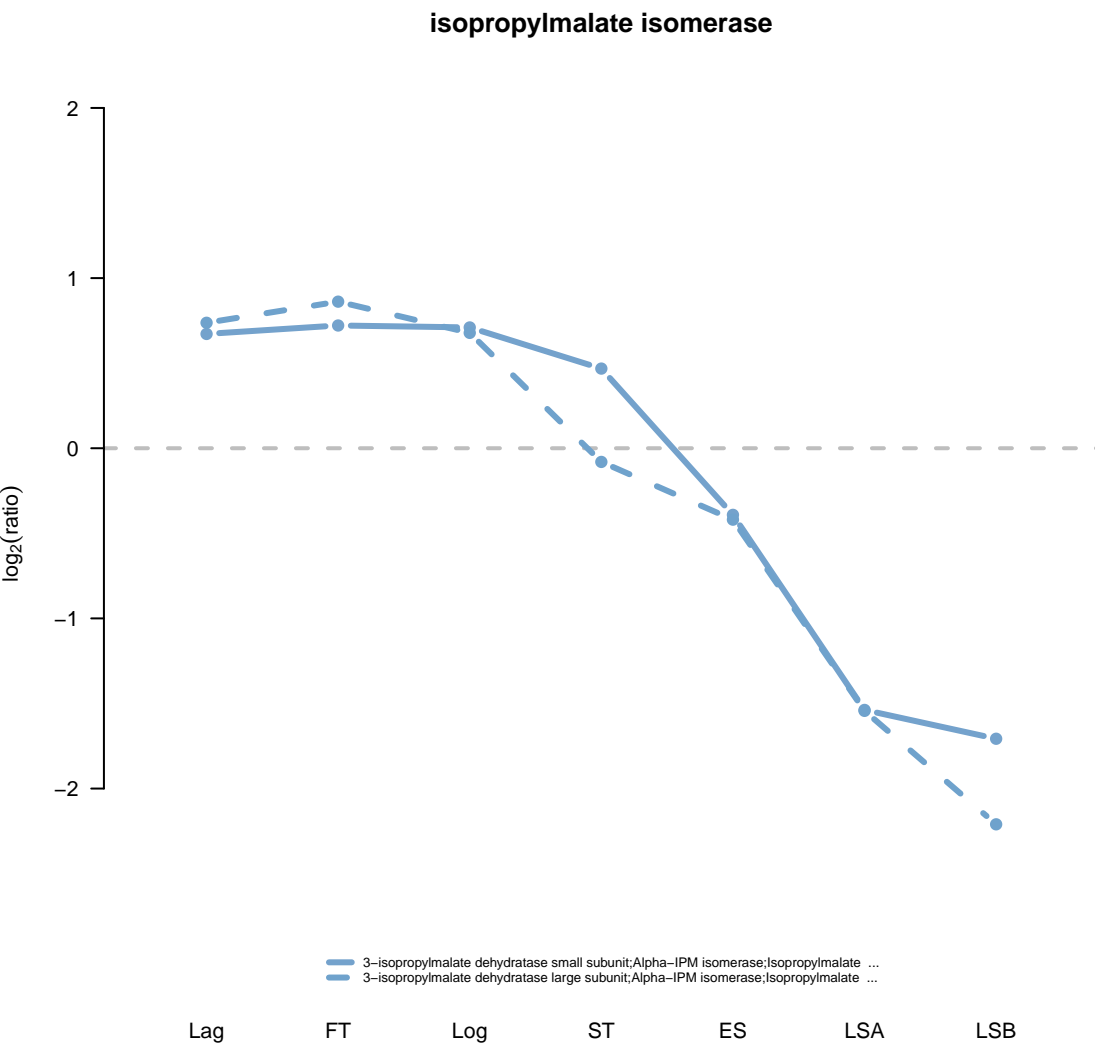
glutathione efflux transporter



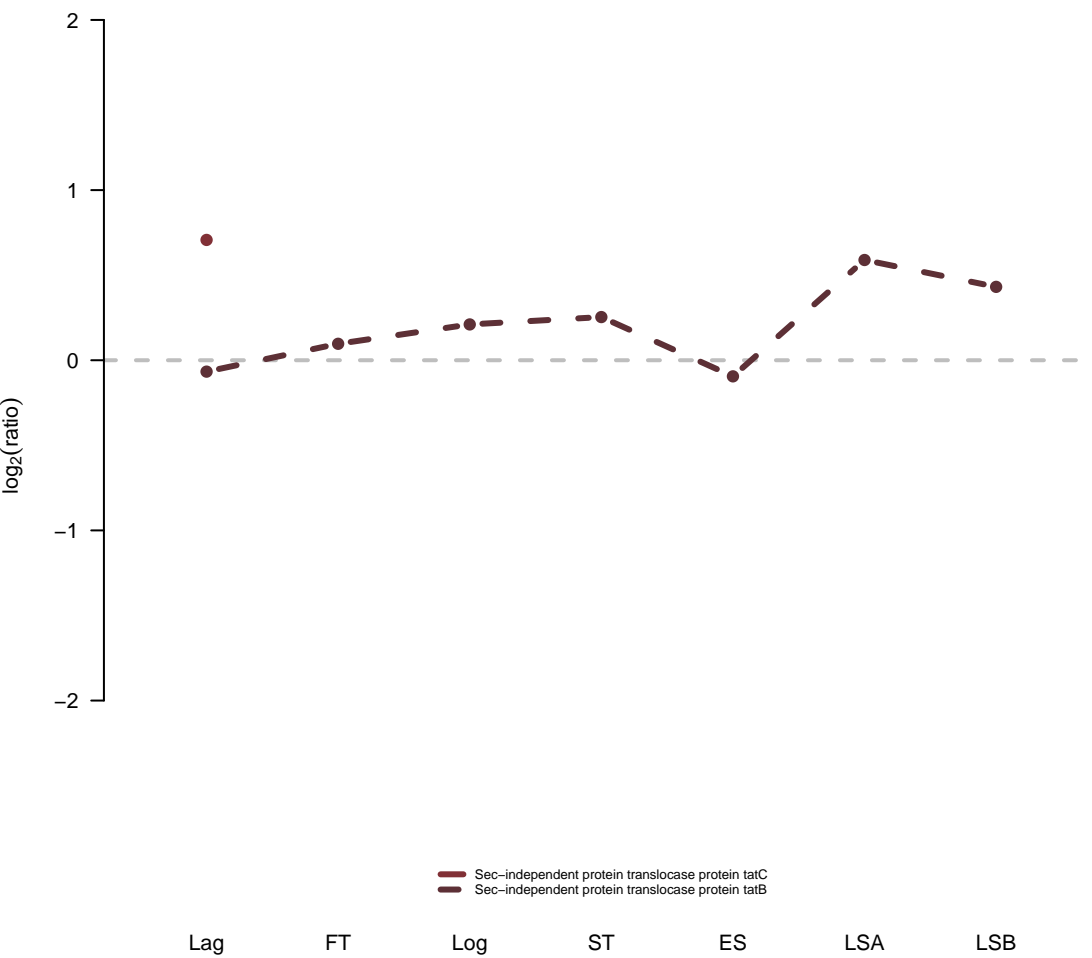
Protein copy numbers



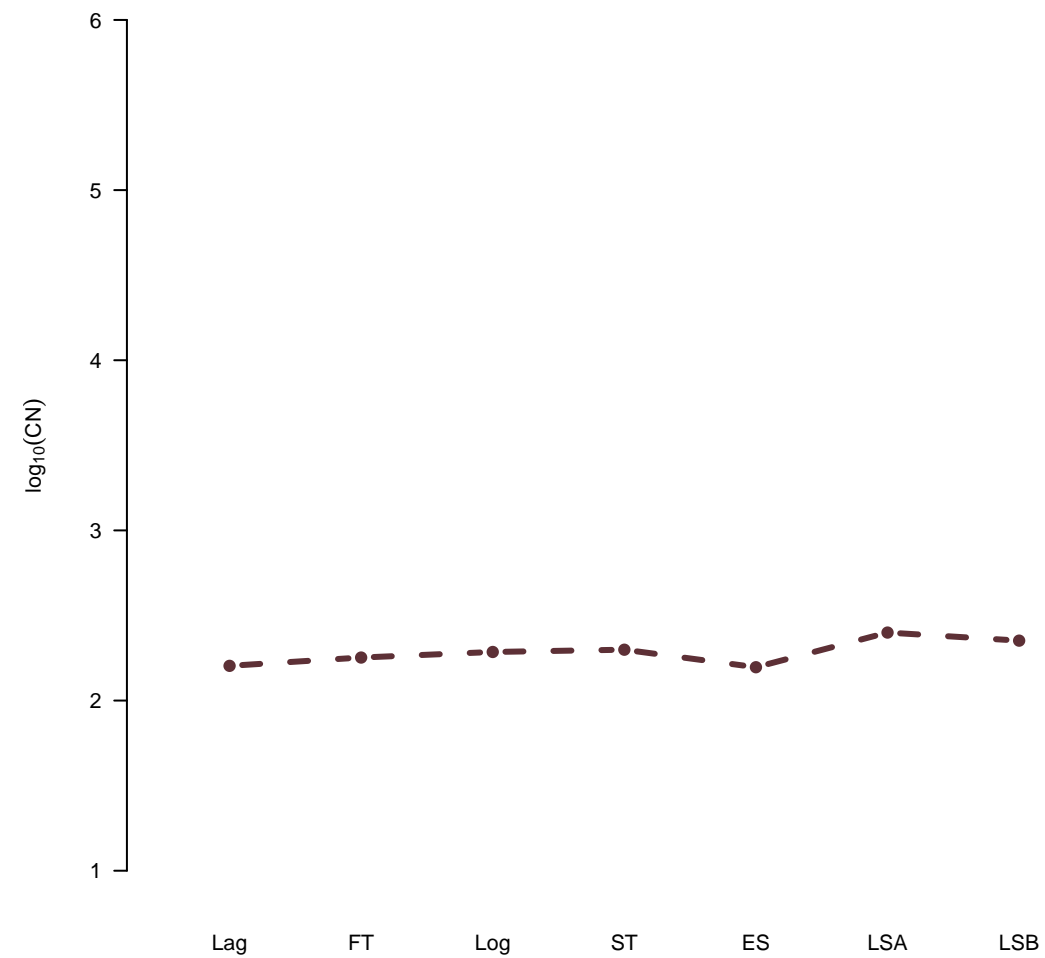
cydC	P23886	ATP-binding/permease protein c ...
cydD	P29018	ATP-binding/permease protein c ...



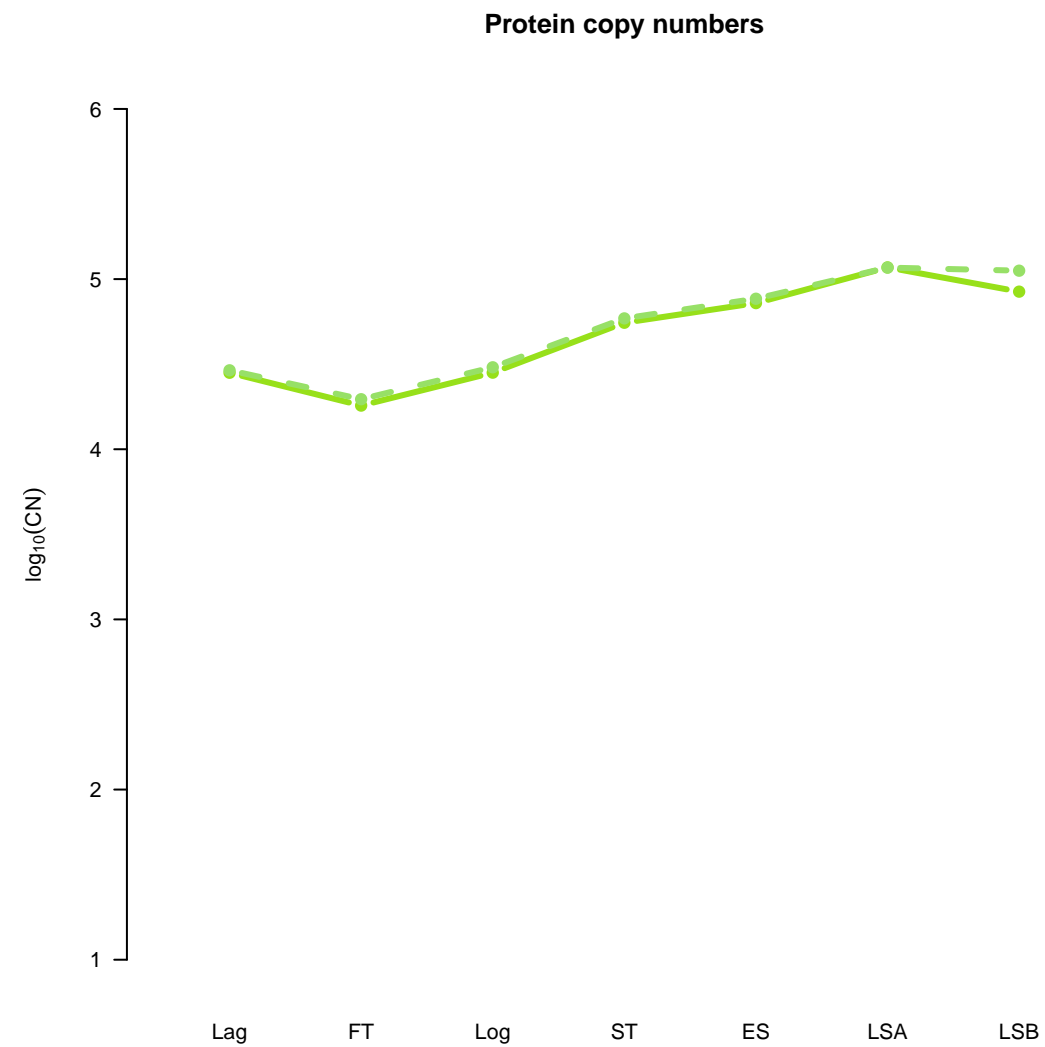
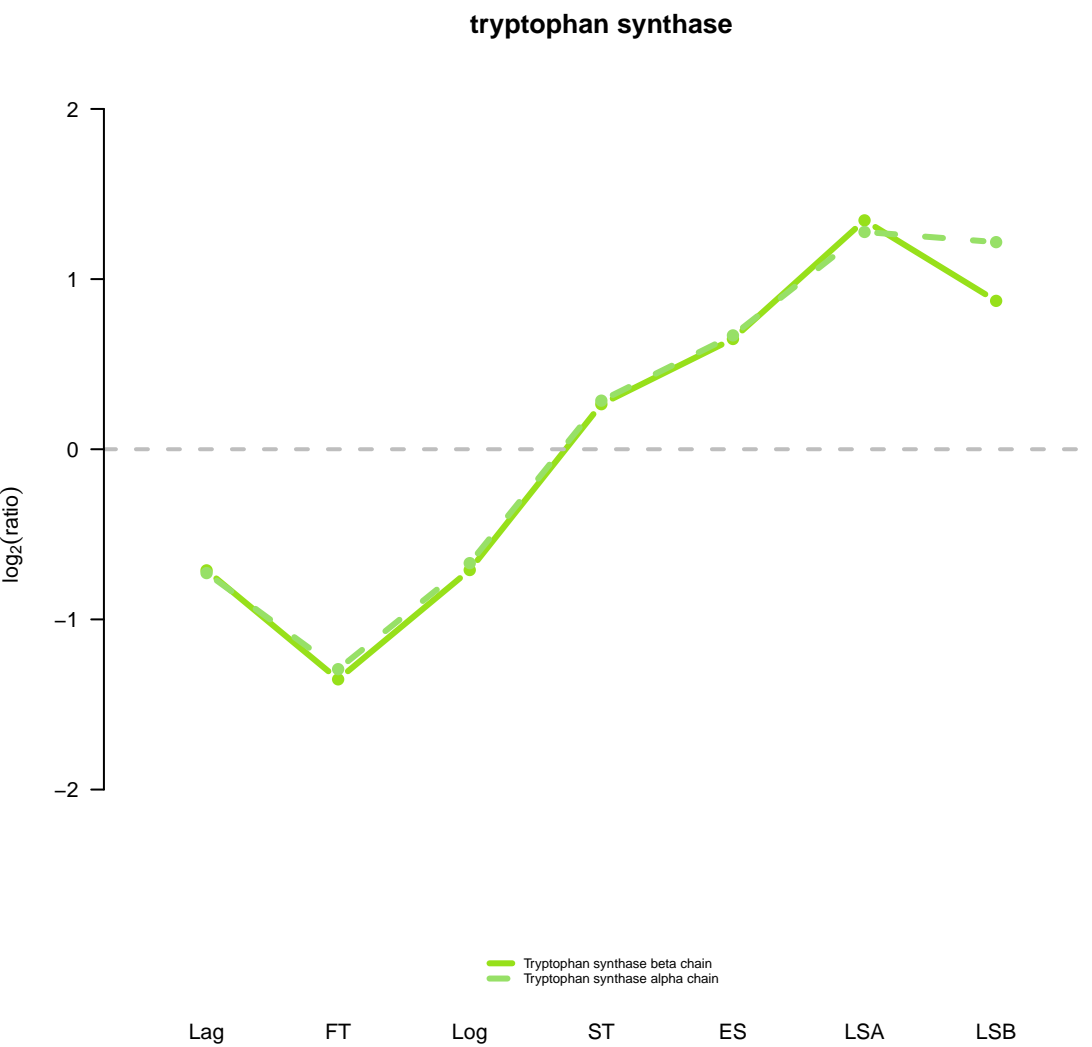
twin-arginine translocation tatBC



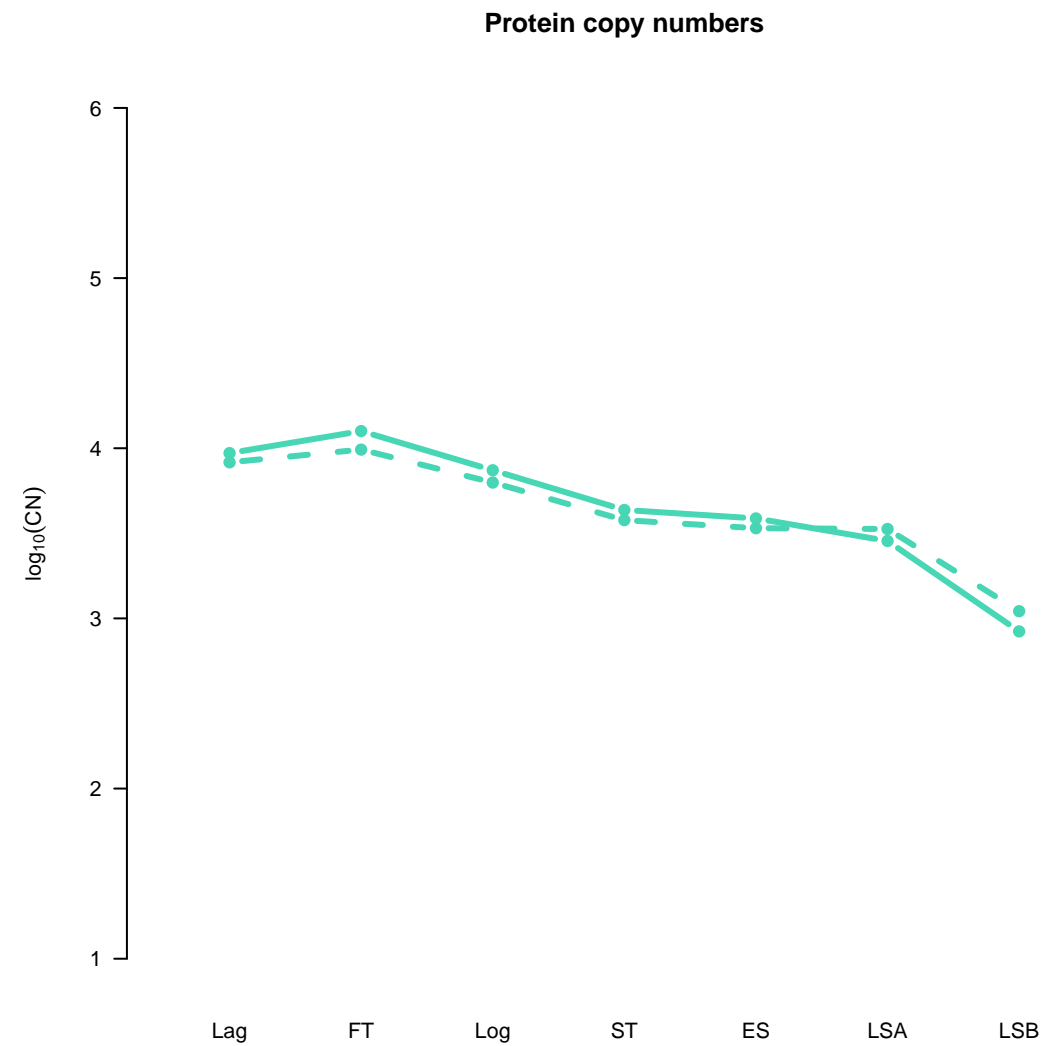
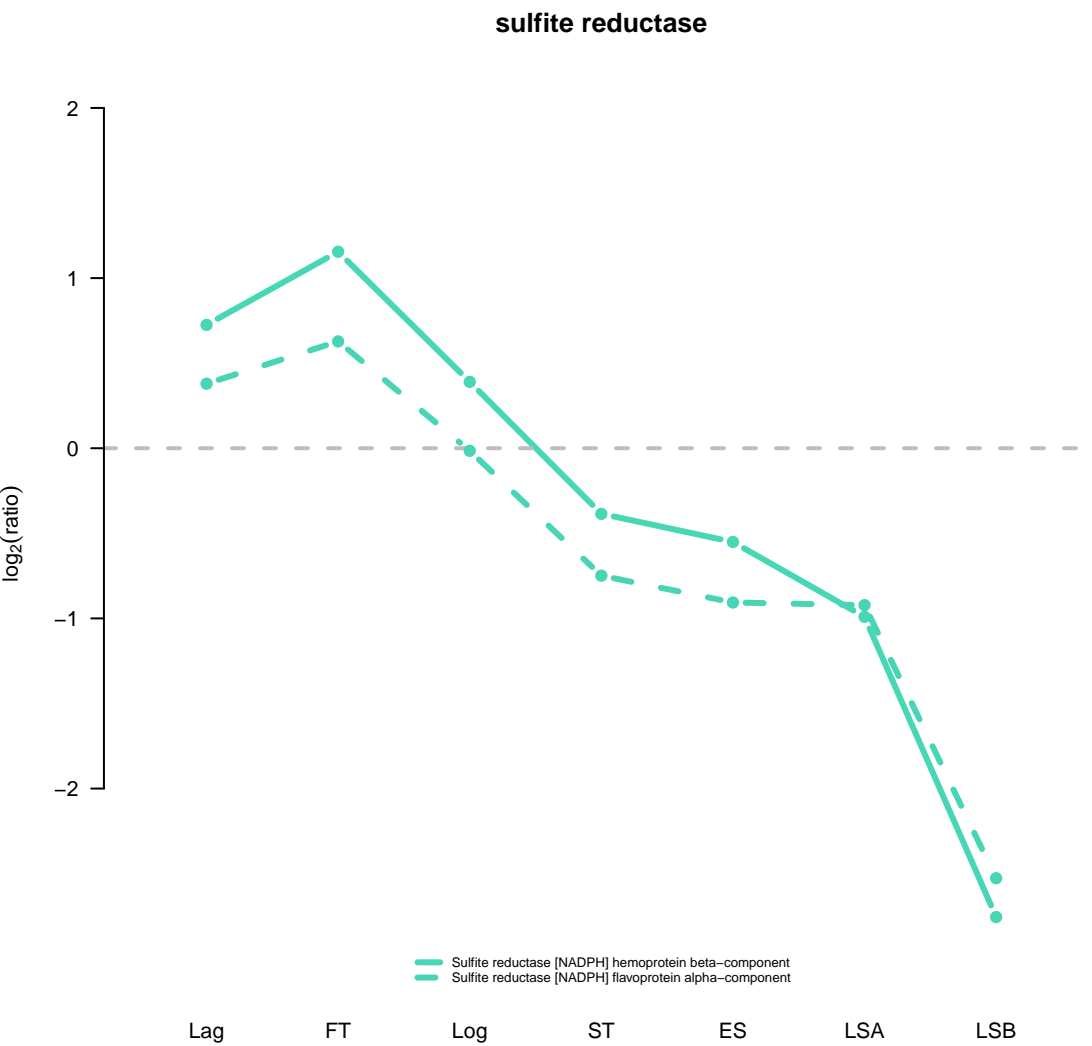
Protein copy numbers



tatC	P69423	Sec-independent protein translocase
tatB	P69425	Sec-independent protein translocase

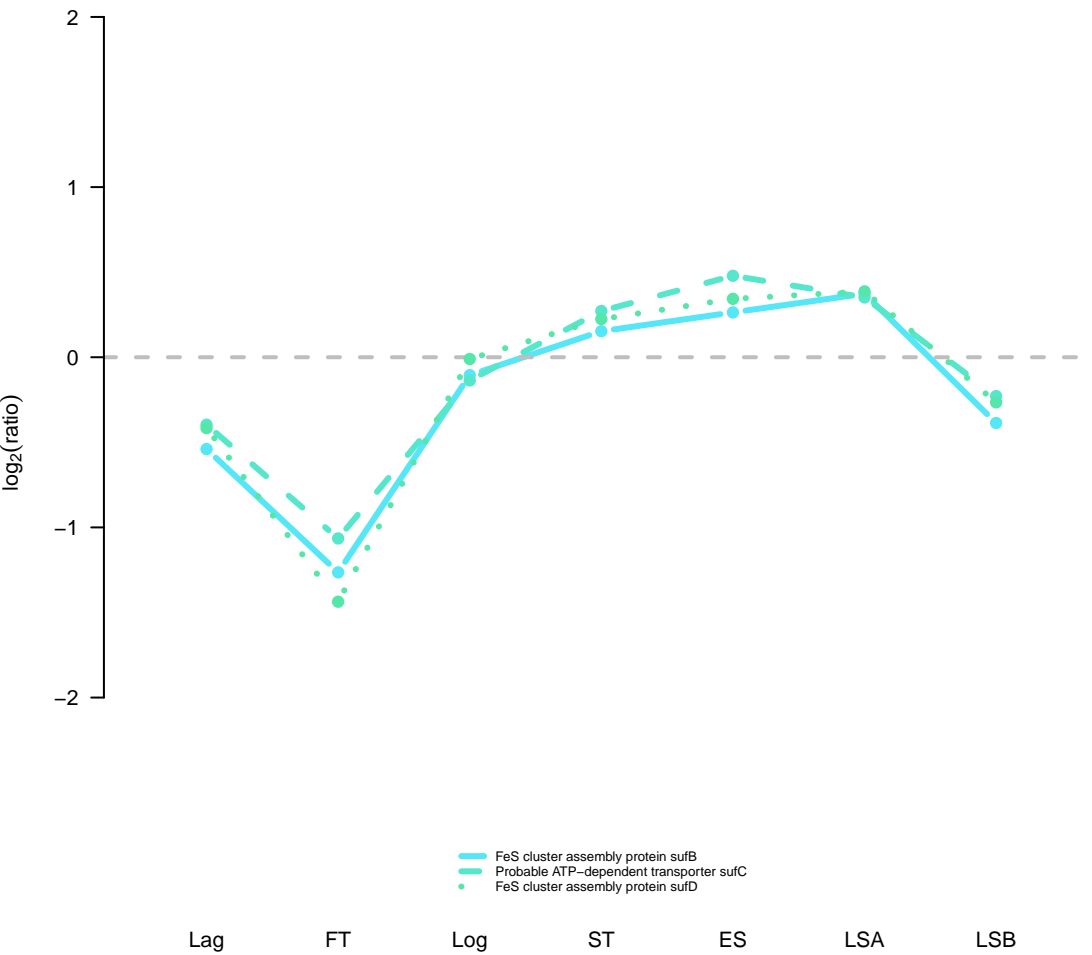


trpB	P0A879	Tryptophan synthase beta chain
trpA	P0A877	Tryptophan synthase alpha chain

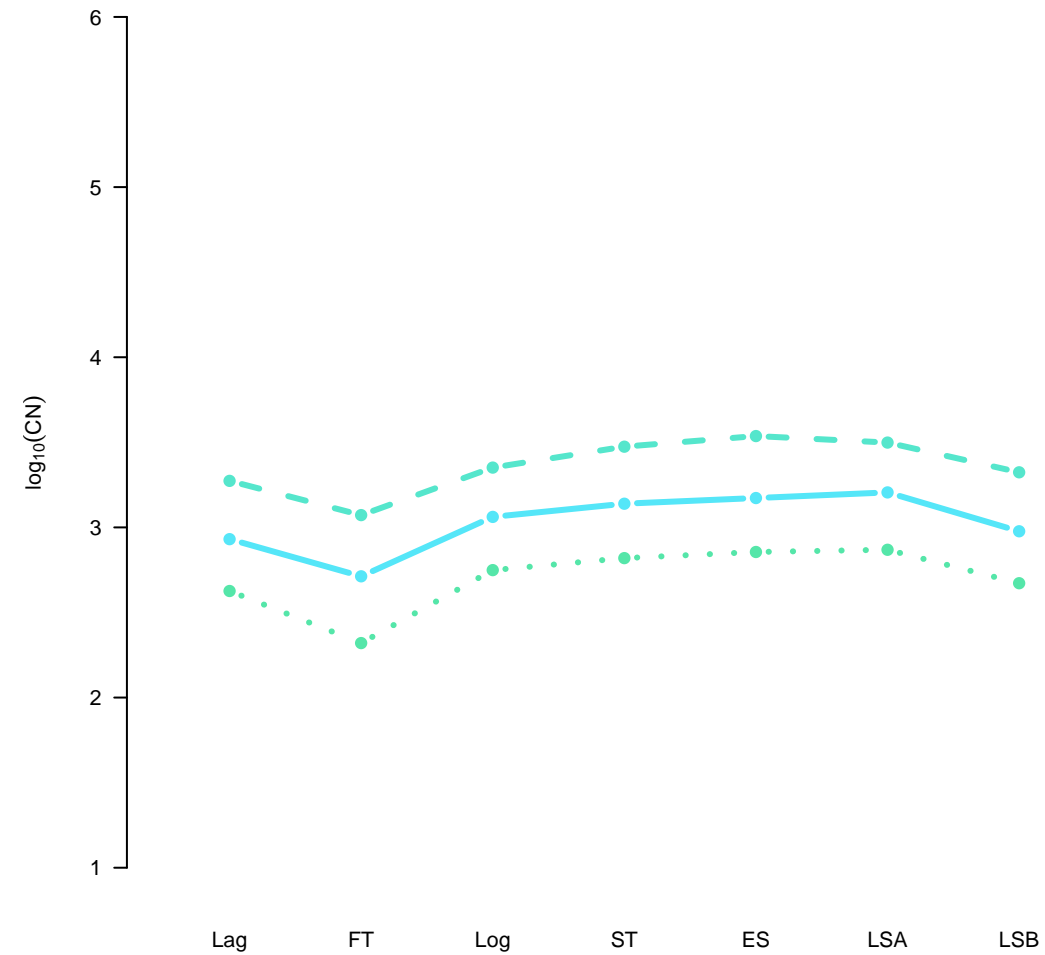


cysI	P17846	Sulfite reductase [NADPH] hemo ...
cysJ	P38038	Sulfite reductase [NADPH] flav ...

Fe-S cluster scaffold

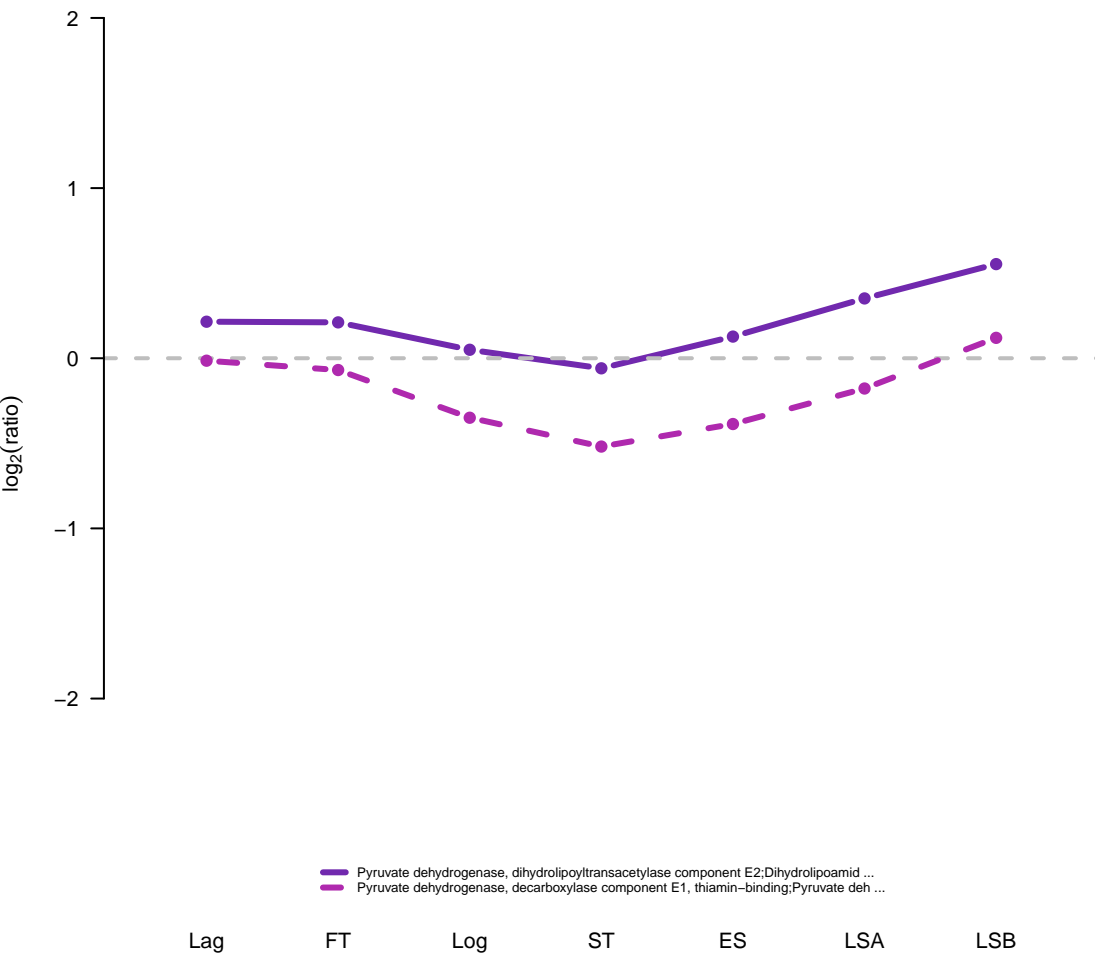


Protein copy numbers

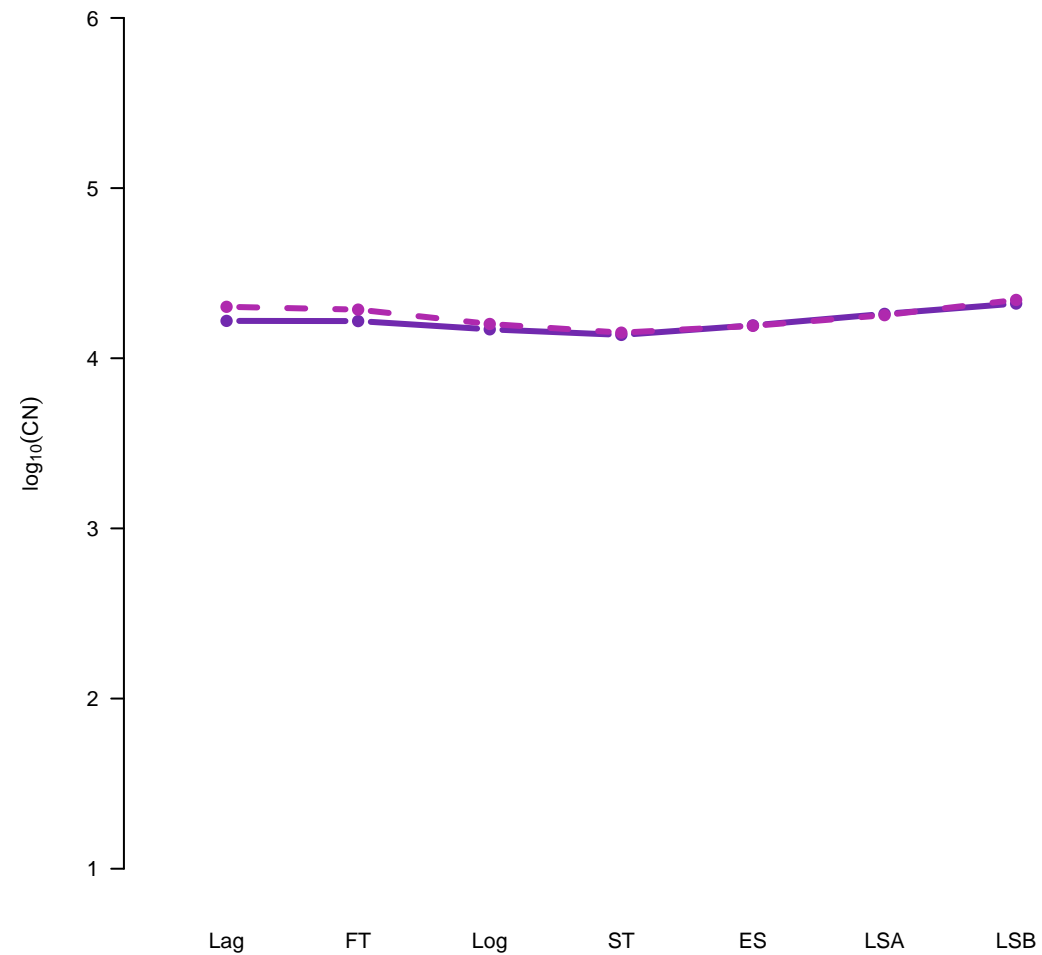


sufB	P77522	FeS cluster assembly protein s ...
sufC	P77499	Probable ATP-dependent transpo ...
sufD	P77689	FeS cluster assembly protein s ...

pyruvate dehydrogenase



Protein copy numbers

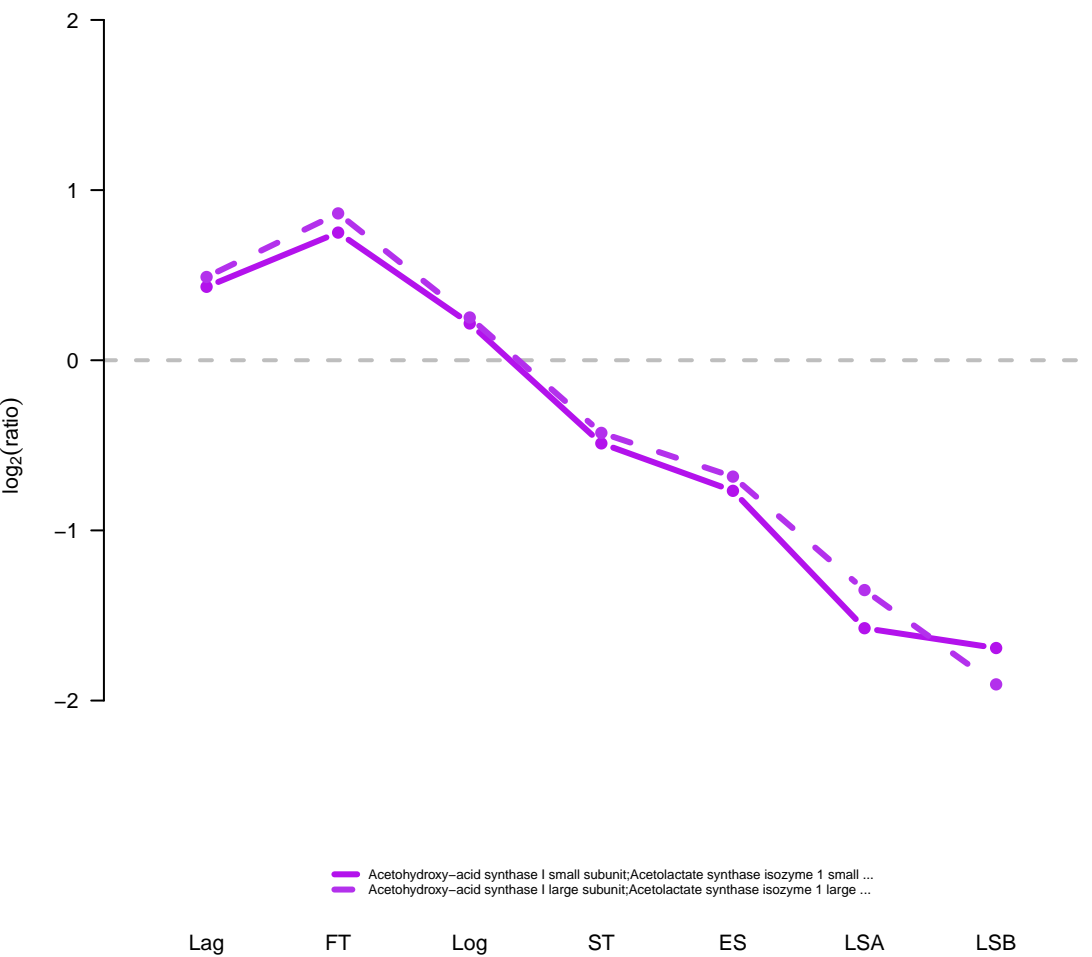


aceF
aceE

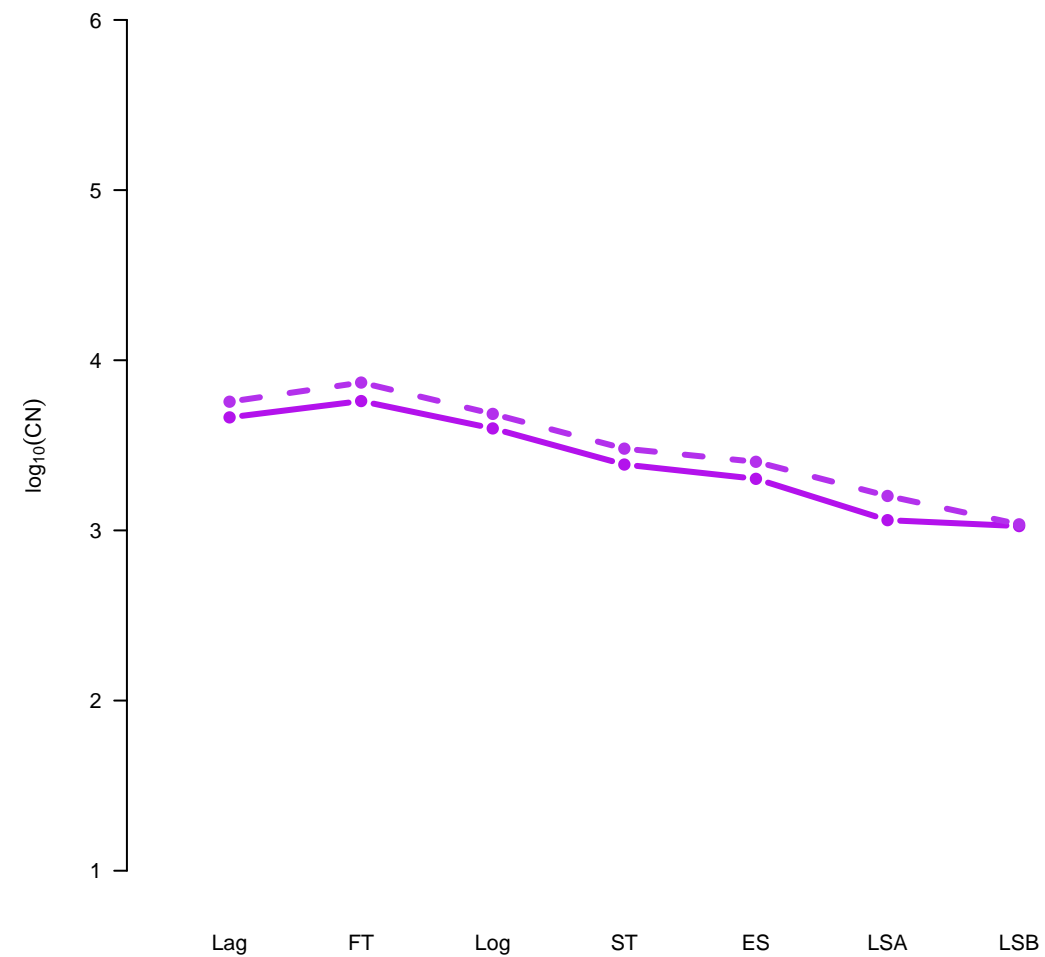
B1XC90;C4ZRK8;P06959
B1XC89;C4ZRK7;P0AFG8

Pyruvate dehydrogenase, dihydr ...
Pyruvate dehydrogenase, decarb ...

acetoxybutanoate synthase

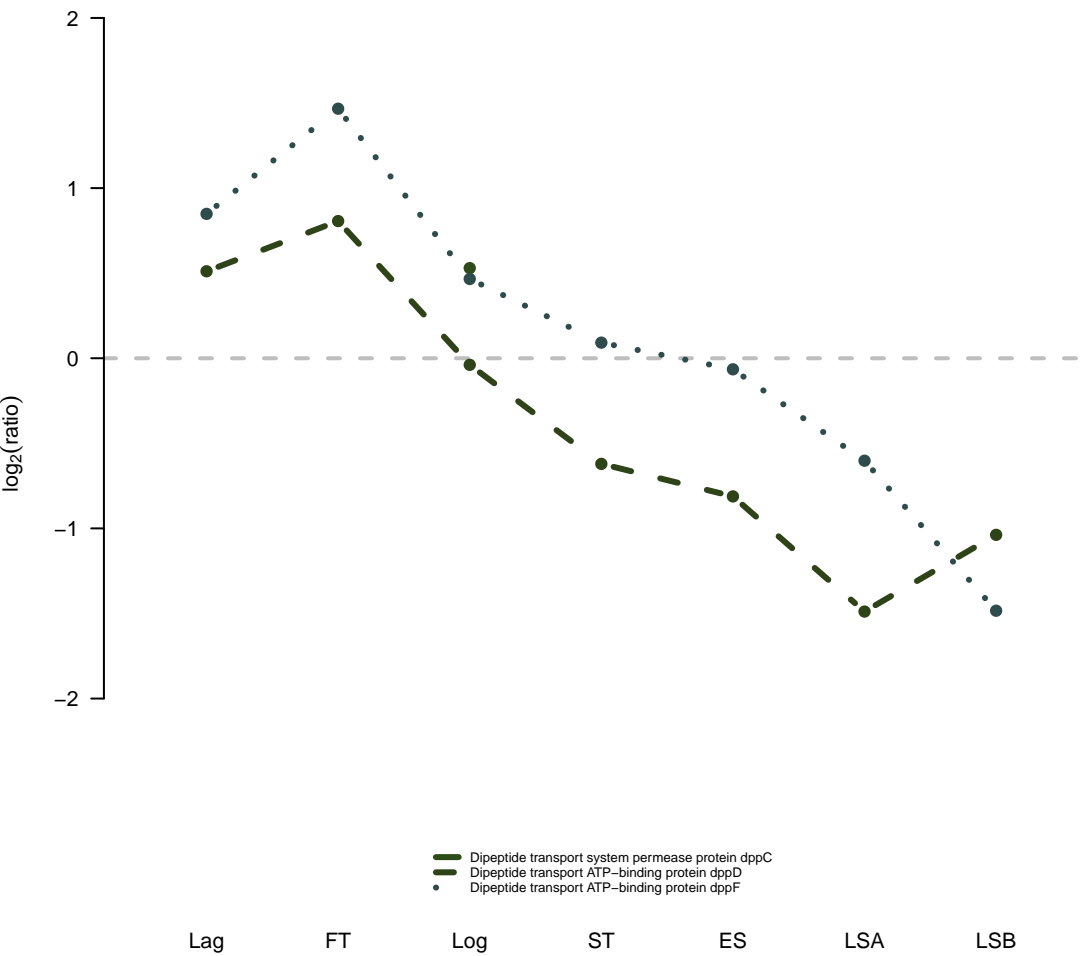


Protein copy numbers

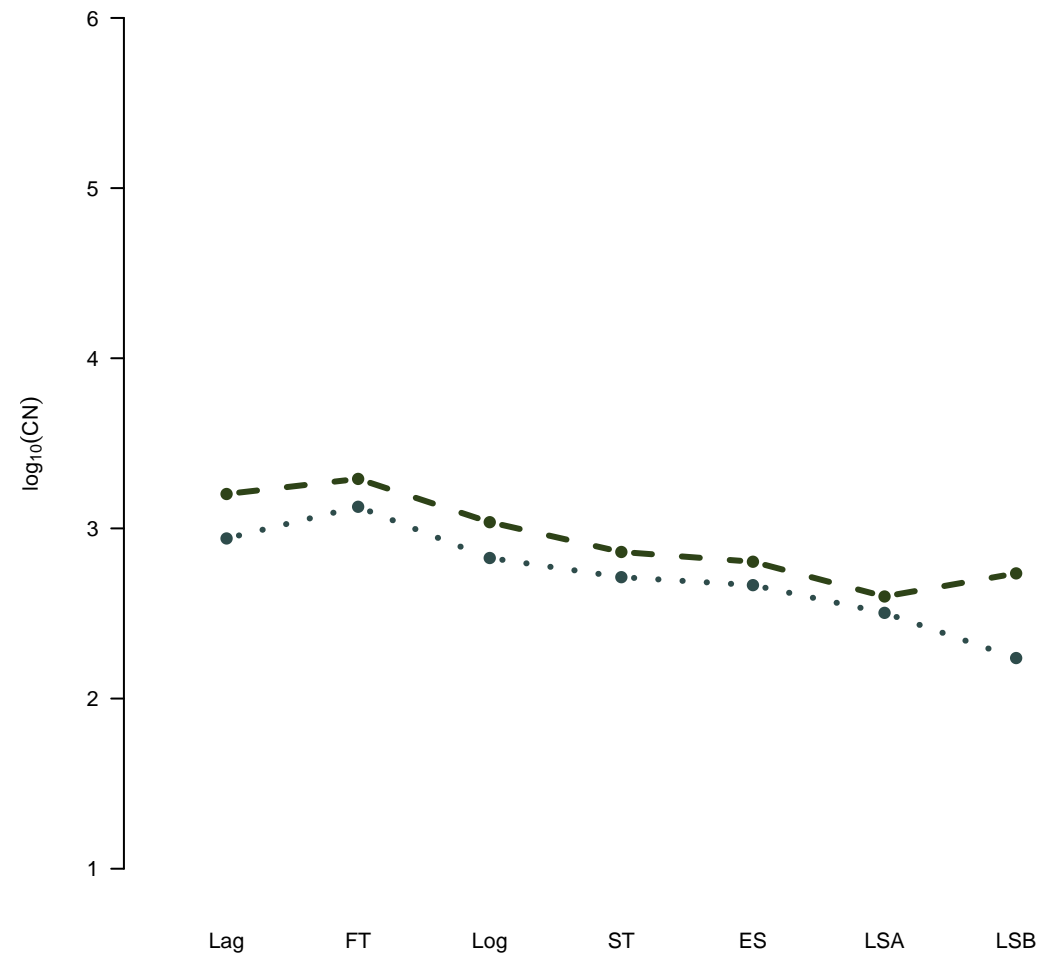


ilvN P0ADF8 Acetohydroxy-acid synthase I s ...
 ilvB P08142 Acetohydroxy-acid synthase I l ...

dipeptide tranporter



Protein copy numbers

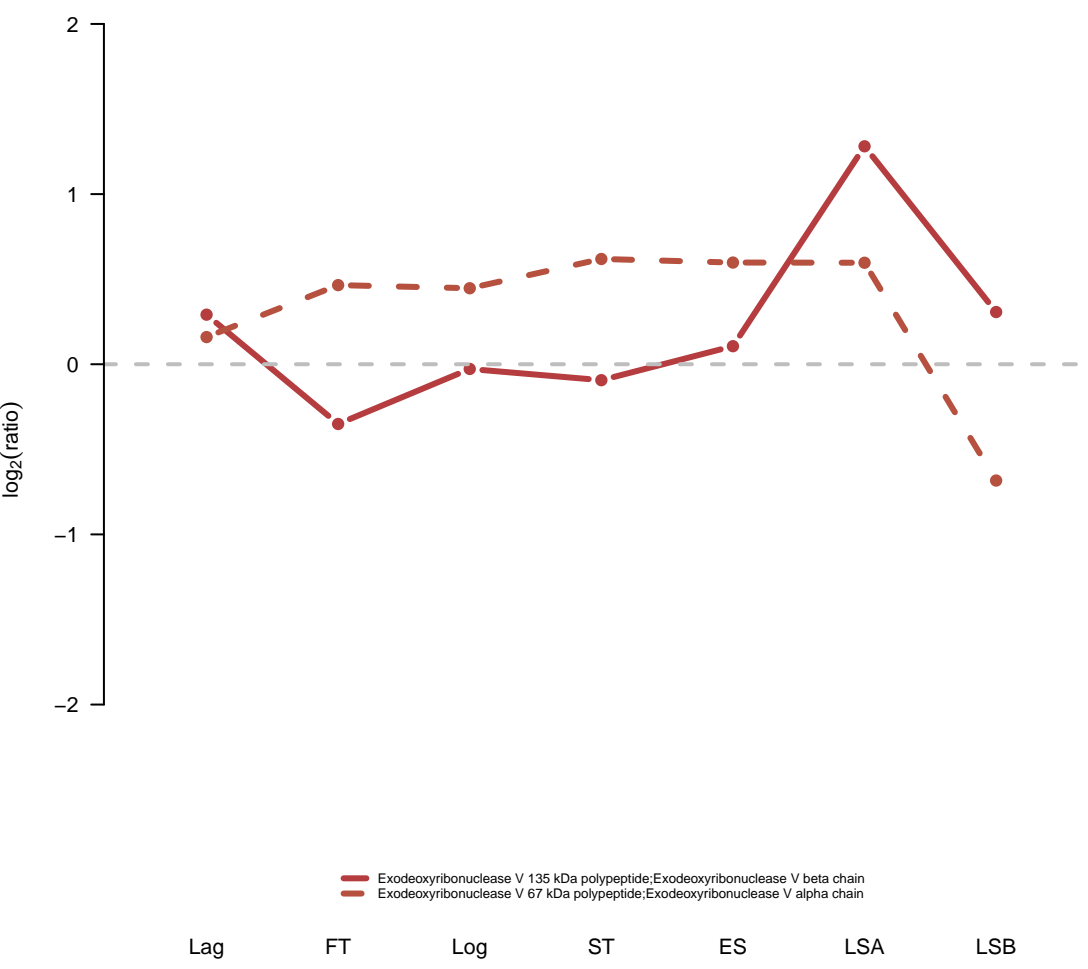


dppB
dppC
dppD
dppF

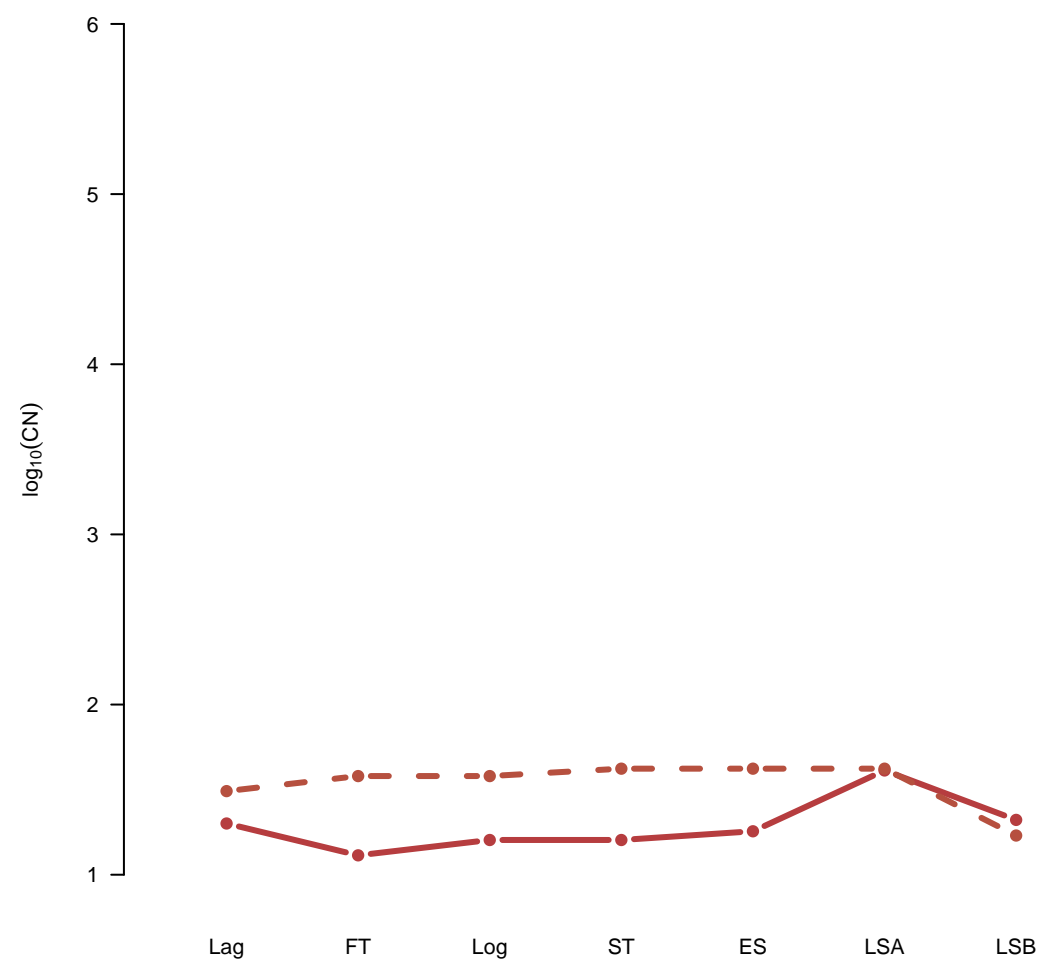
P0AEG1
P0AAG0
P37313

Dipeptide transport system per ...
Dipeptide transport ATP-binding ...
Dipeptide transport ATP-binding ...

recBCD helicase

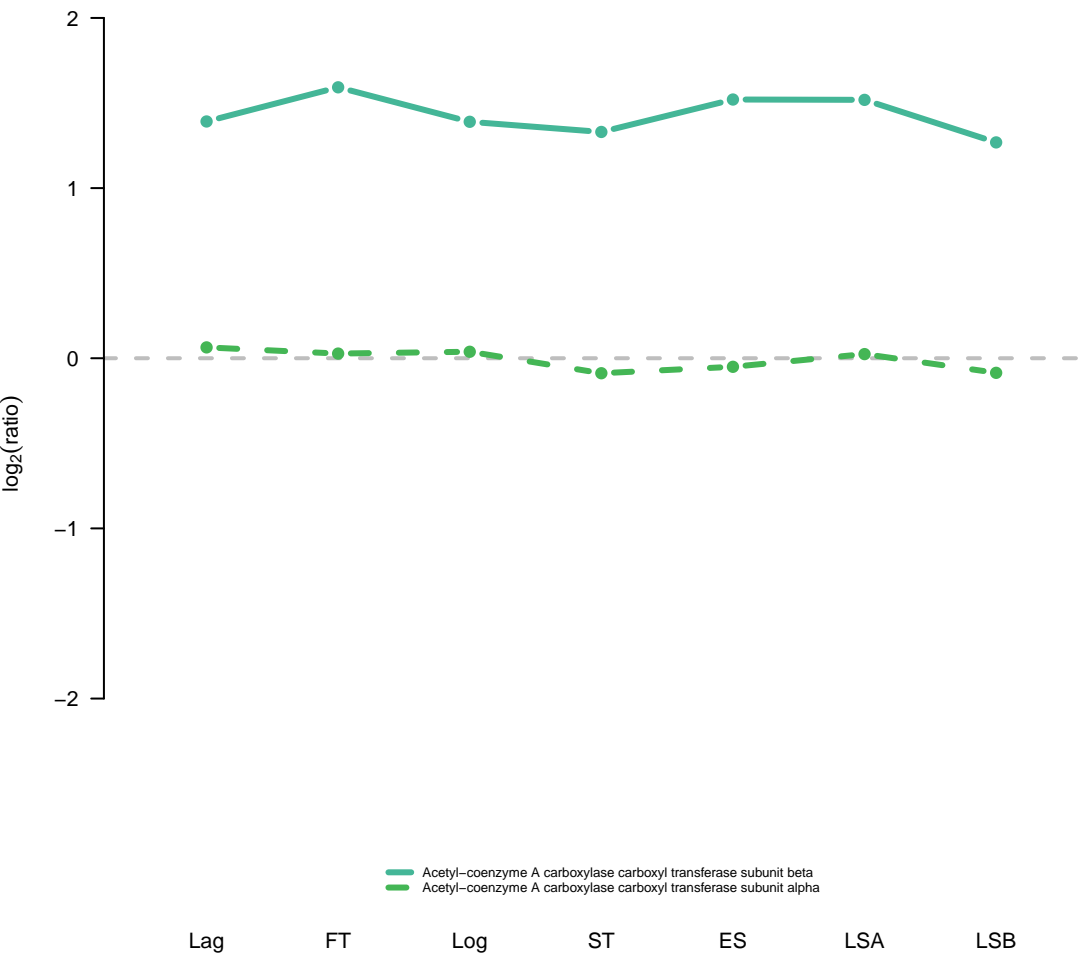


Protein copy numbers

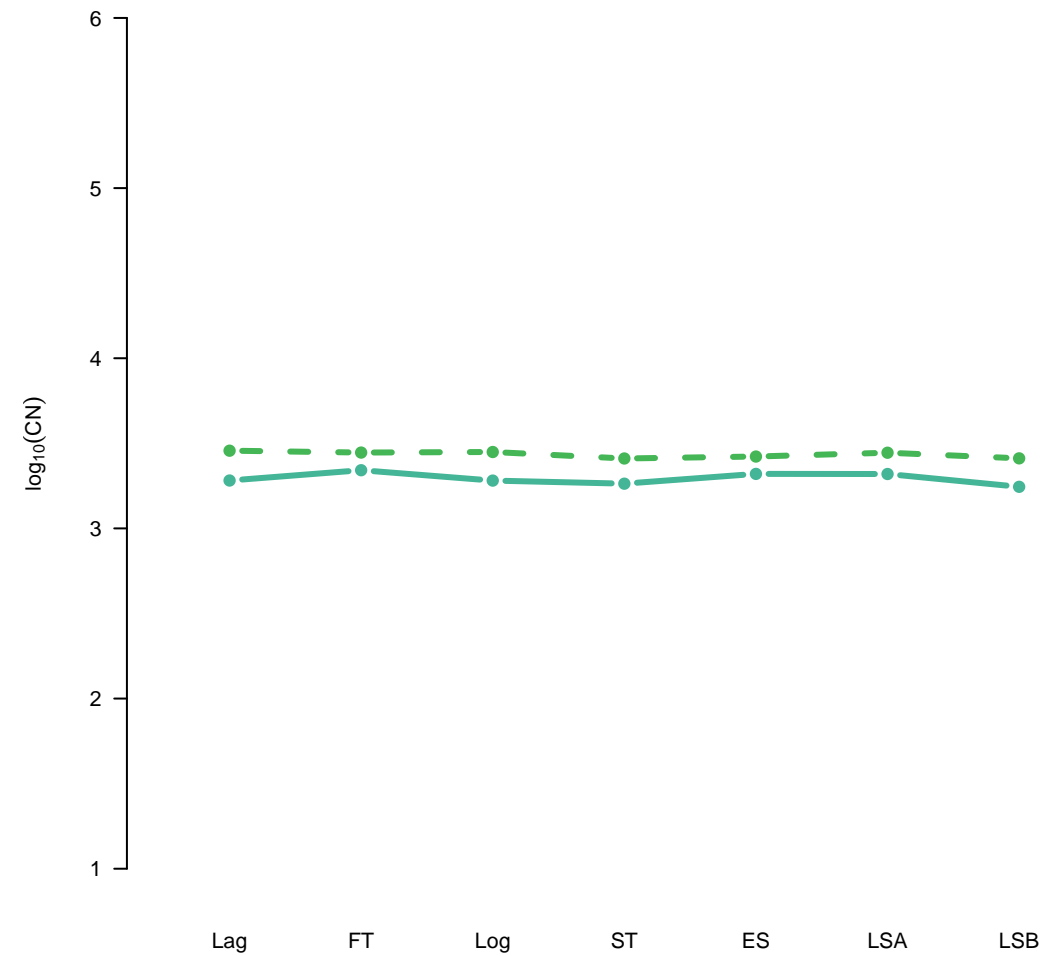


recB	P08394	Exodeoxyribonuclease V 135 kDa ...
recC	—	—
recD	P04993	Exodeoxyribonuclease V 67 kDa ...

acetyl-CoA carboxyltransferase

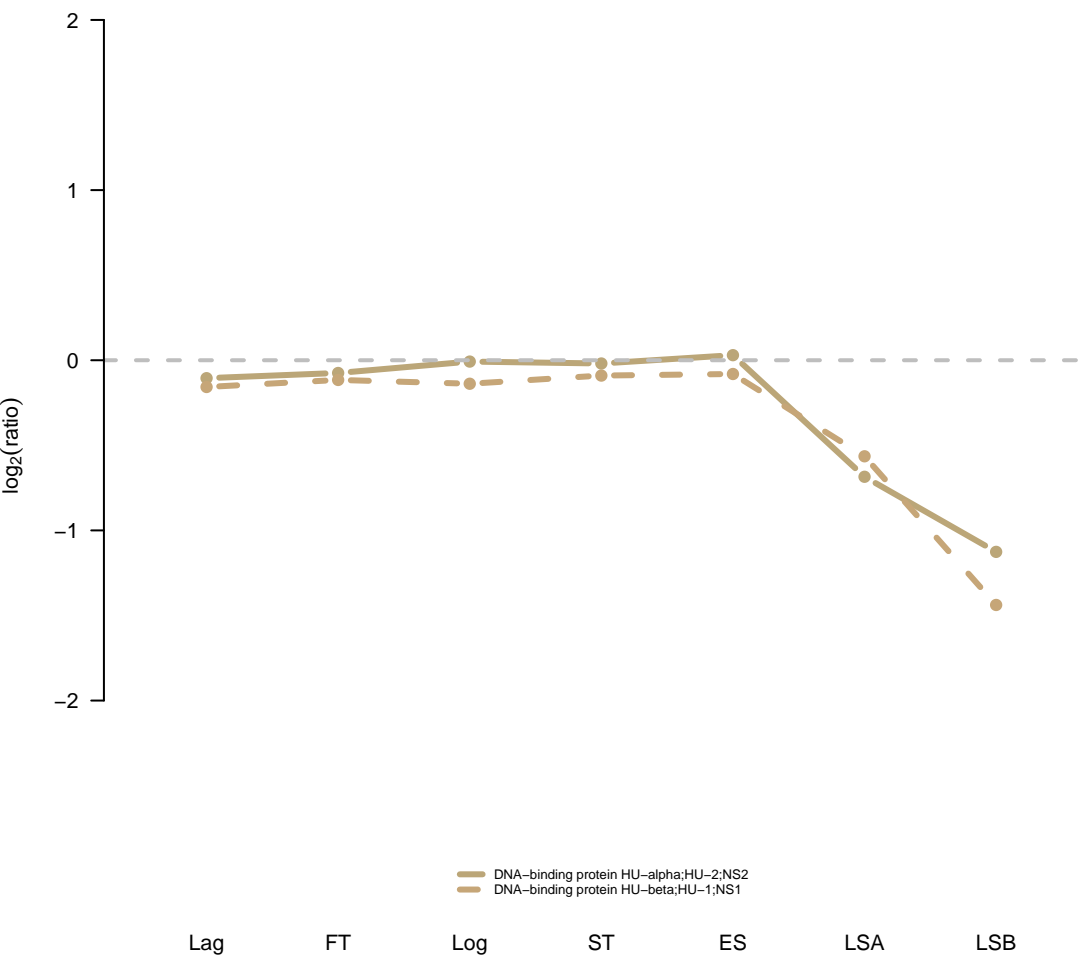


Protein copy numbers

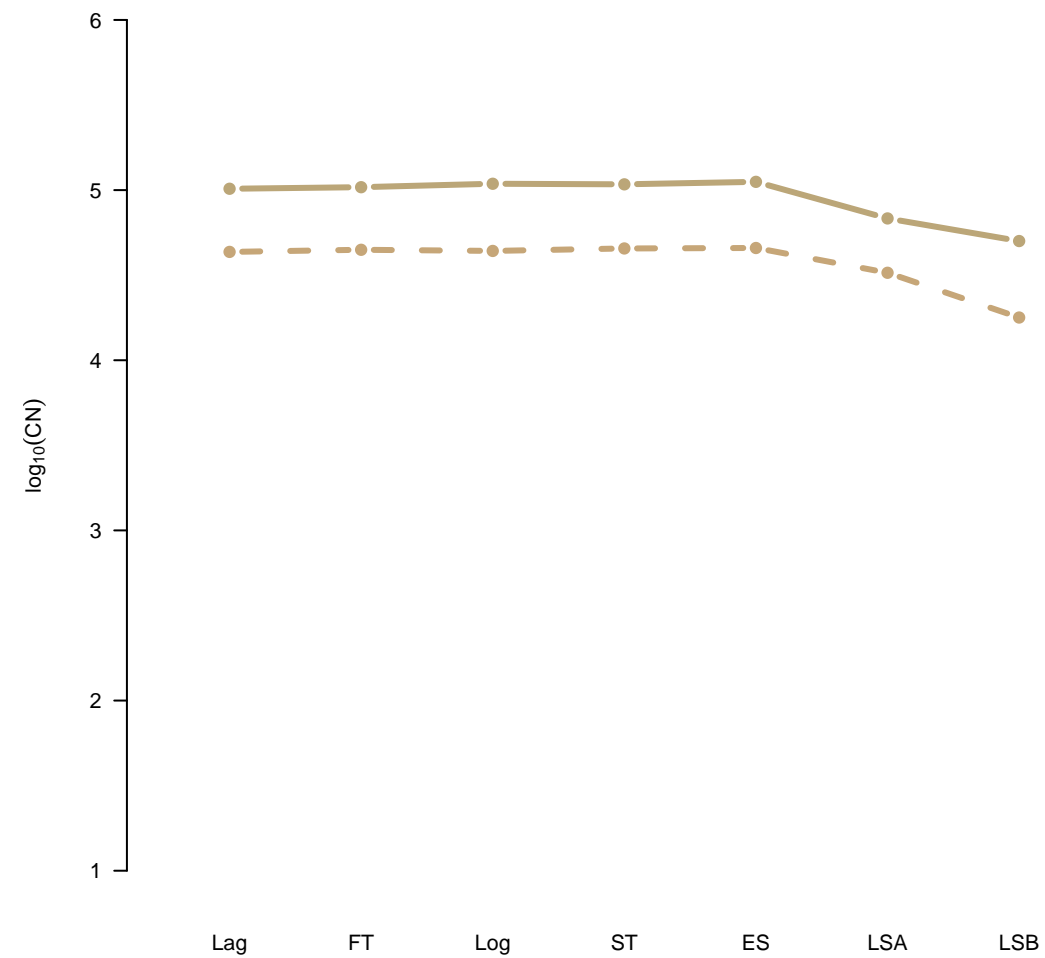


accD	P0A9Q5	Acetyl-coenzyme A carboxylase ...
accA	P0ABD5	Acetyl-coenzyme A carboxylase ...

nucleoid associated protein HU

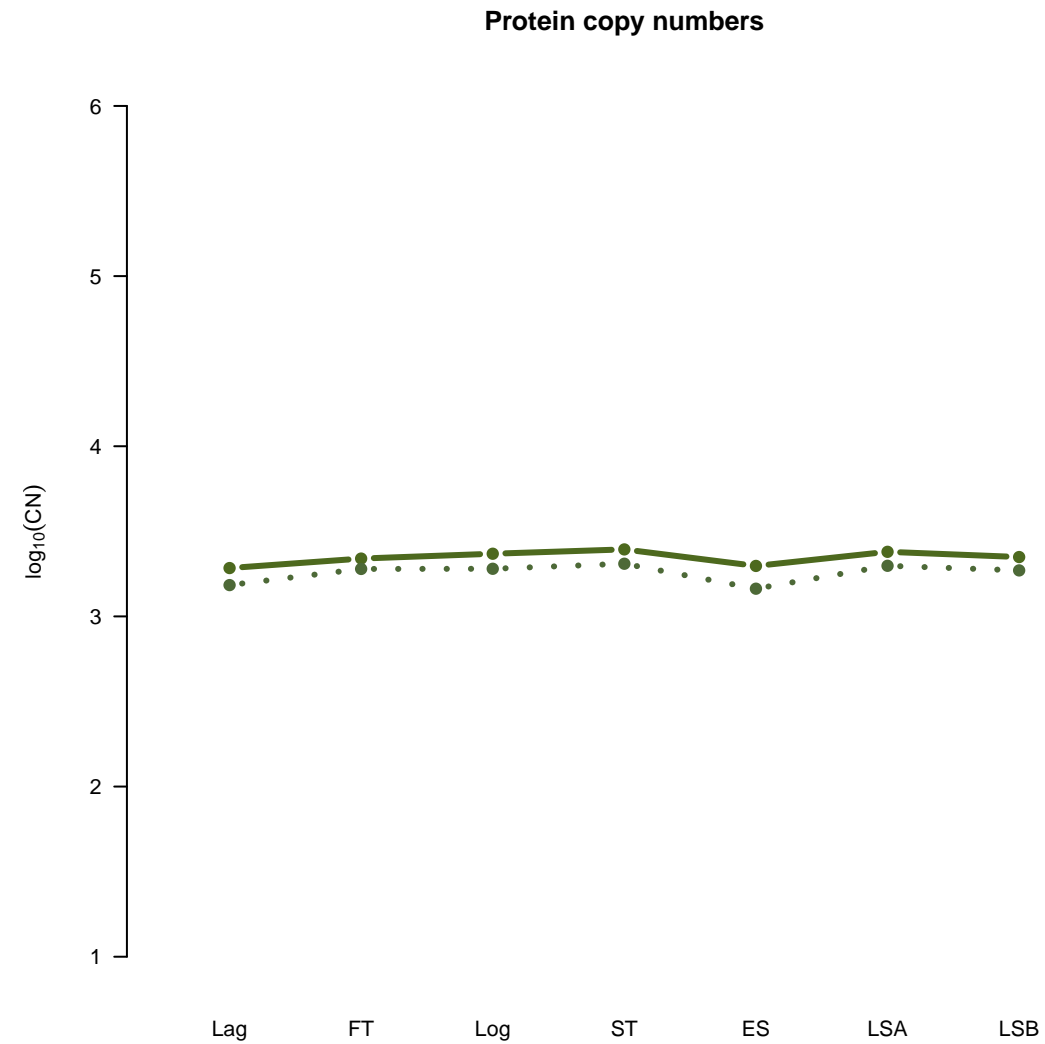
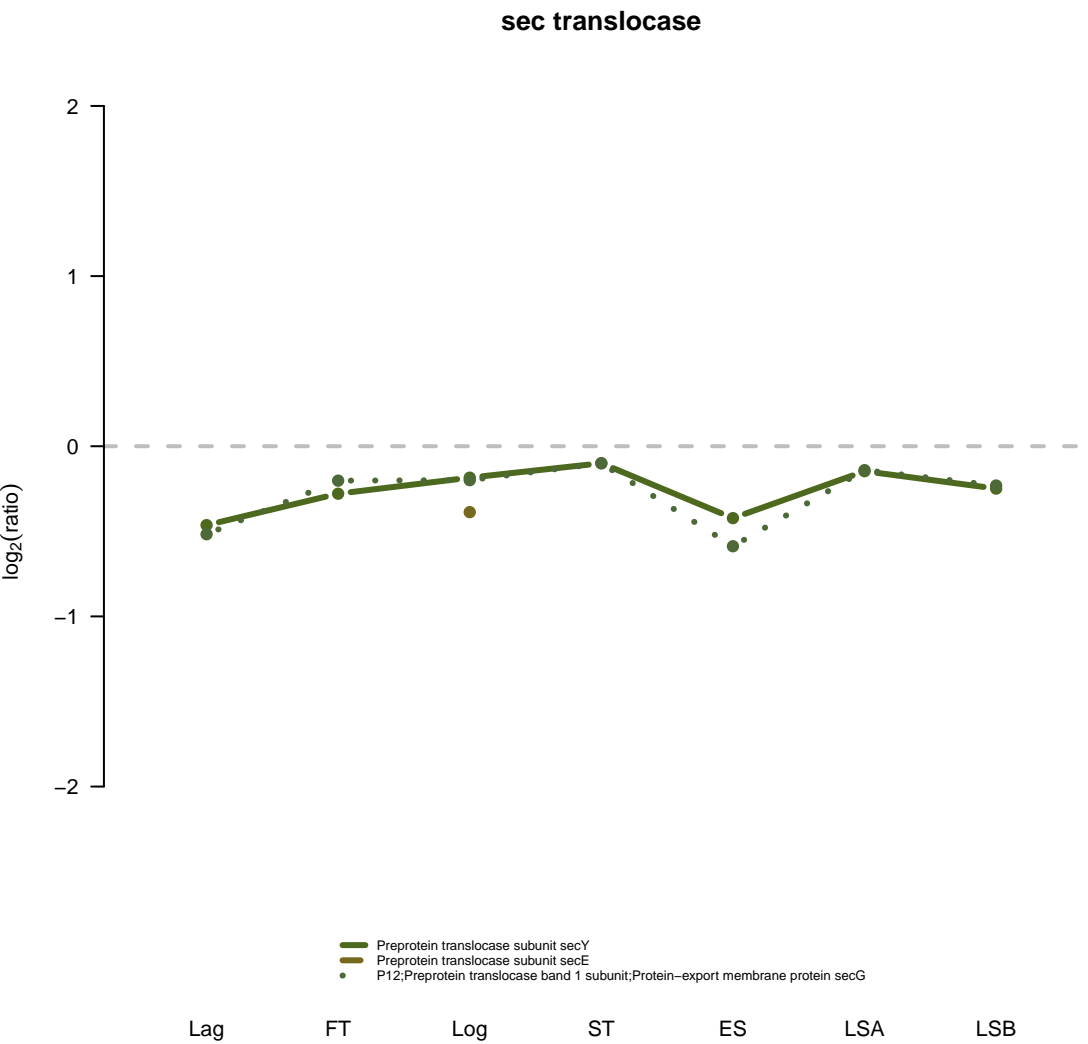


Protein copy numbers



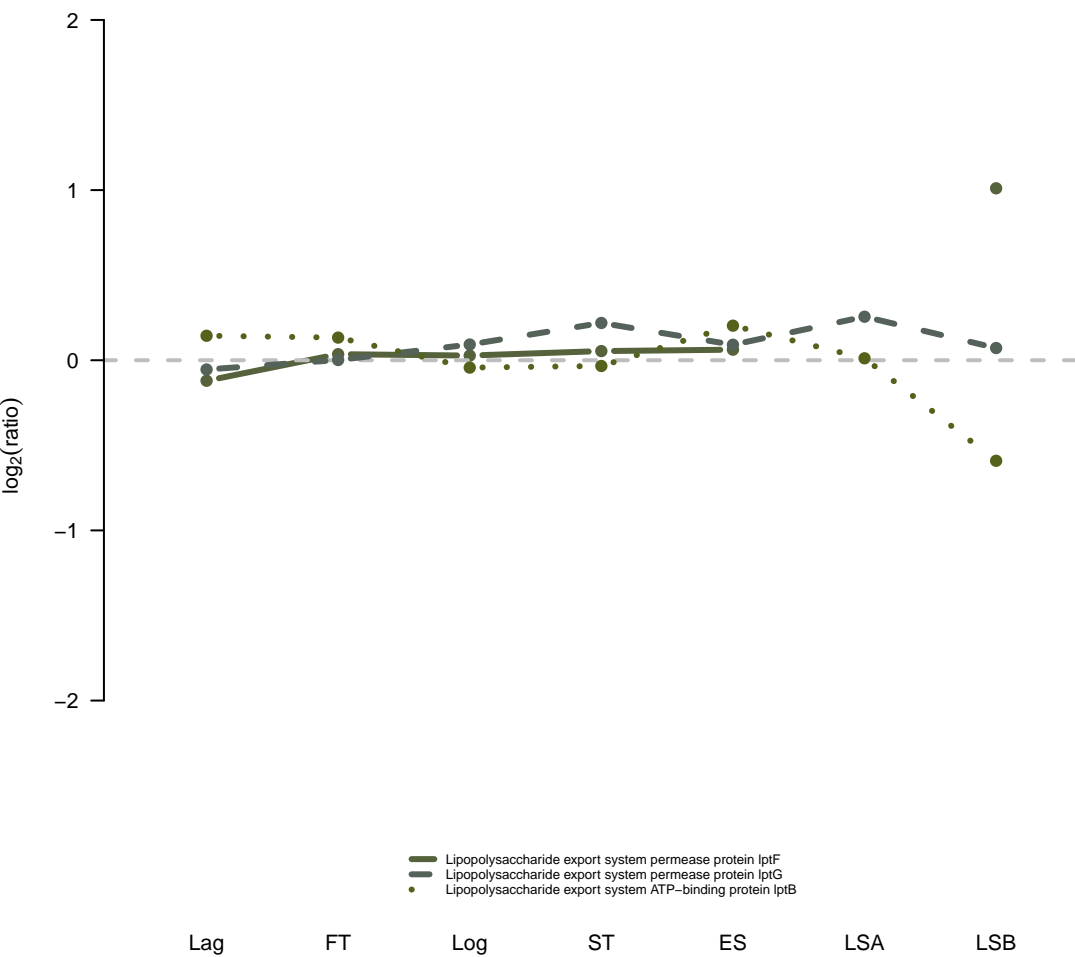
hupA P0ACF0 DNA-binding protein HU- α ;HU-2;NS2

hupB P0ACF4 DNA-binding protein HU- β ;HU-1;NS1

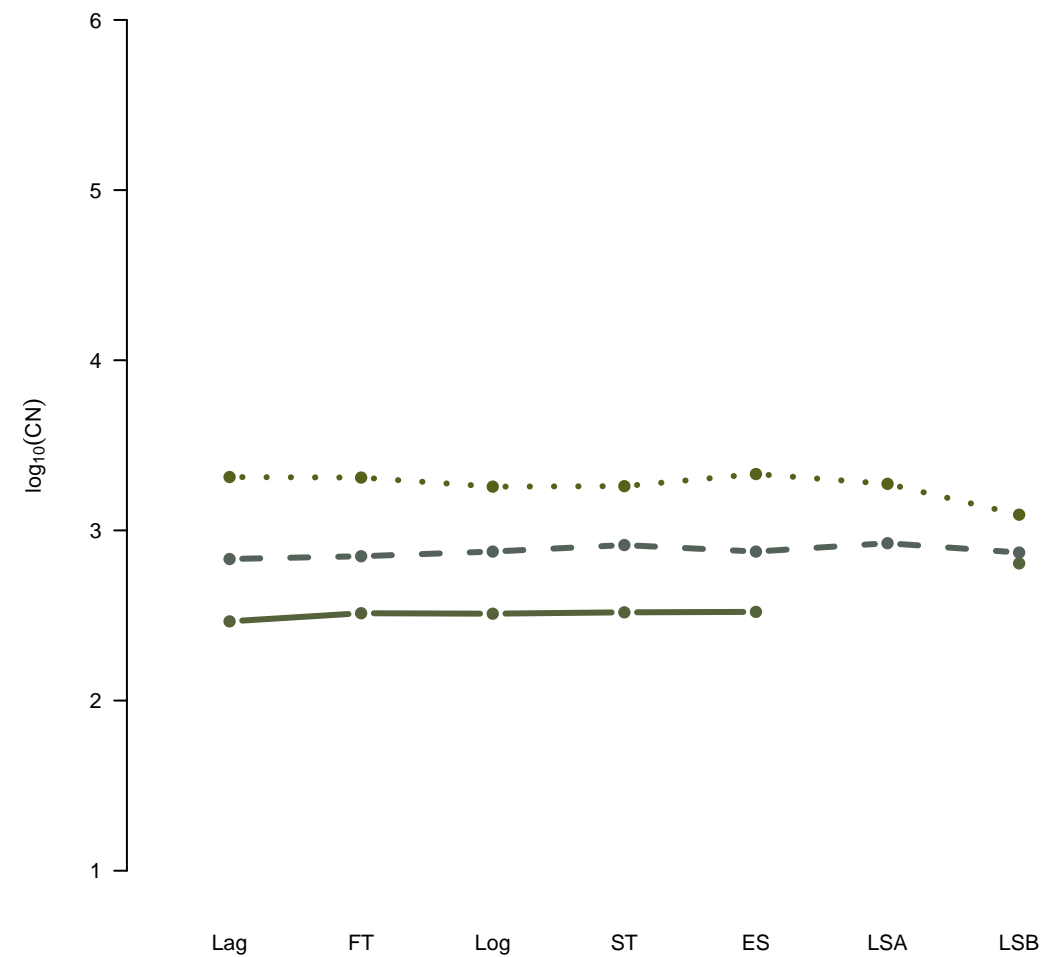


secY	P0AGA2	Preprotein translocase subunit ...
secE	P0AG96	Preprotein translocase subunit ...
secG	P0AG99	P12;Preprotein translocase ban ...

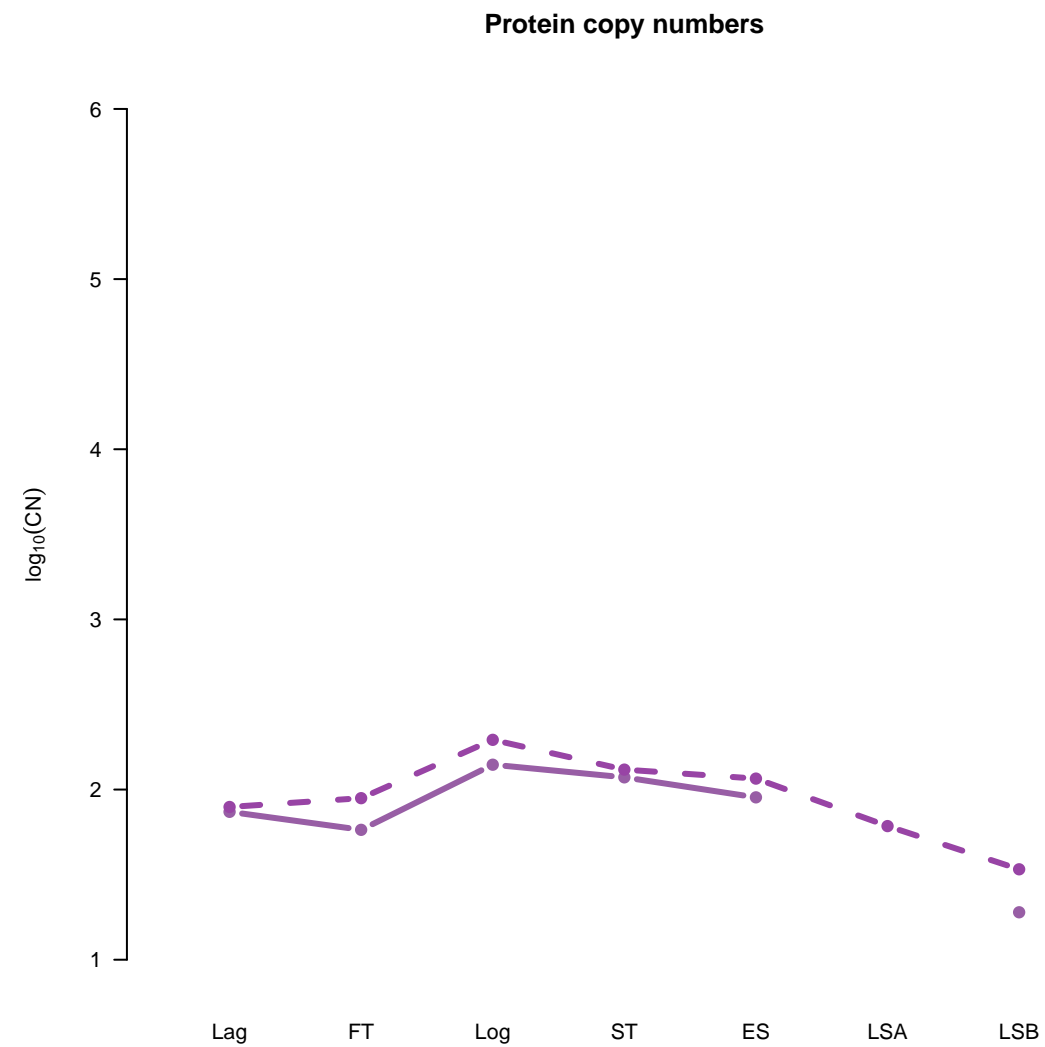
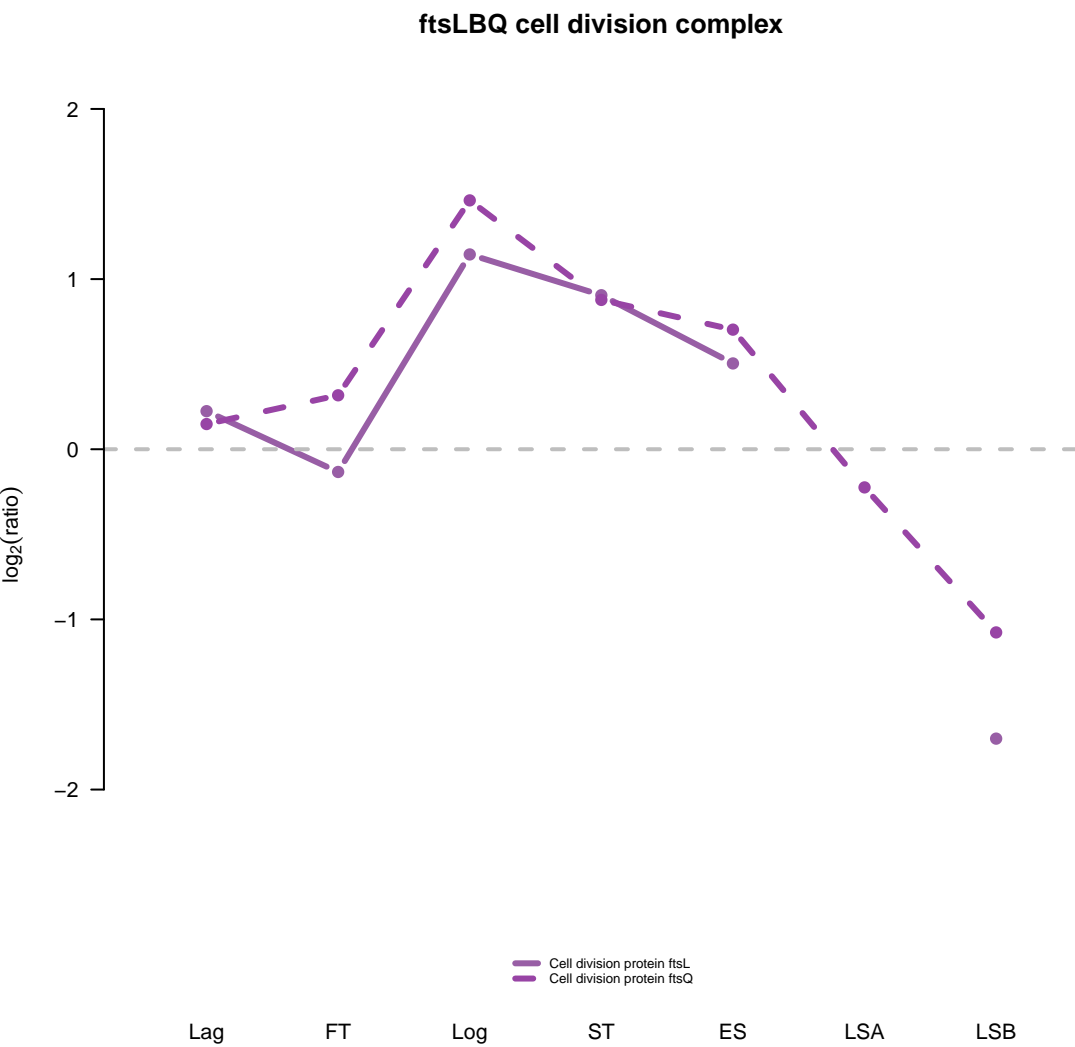
IptBFG transporter



Protein copy numbers



IptF P0AF98 Lipopolysaccharide export syst ...
 IptG P0ADC6 Lipopolysaccharide export syst ...
 IptB P0A9V1 Lipopolysaccharide export syst ...

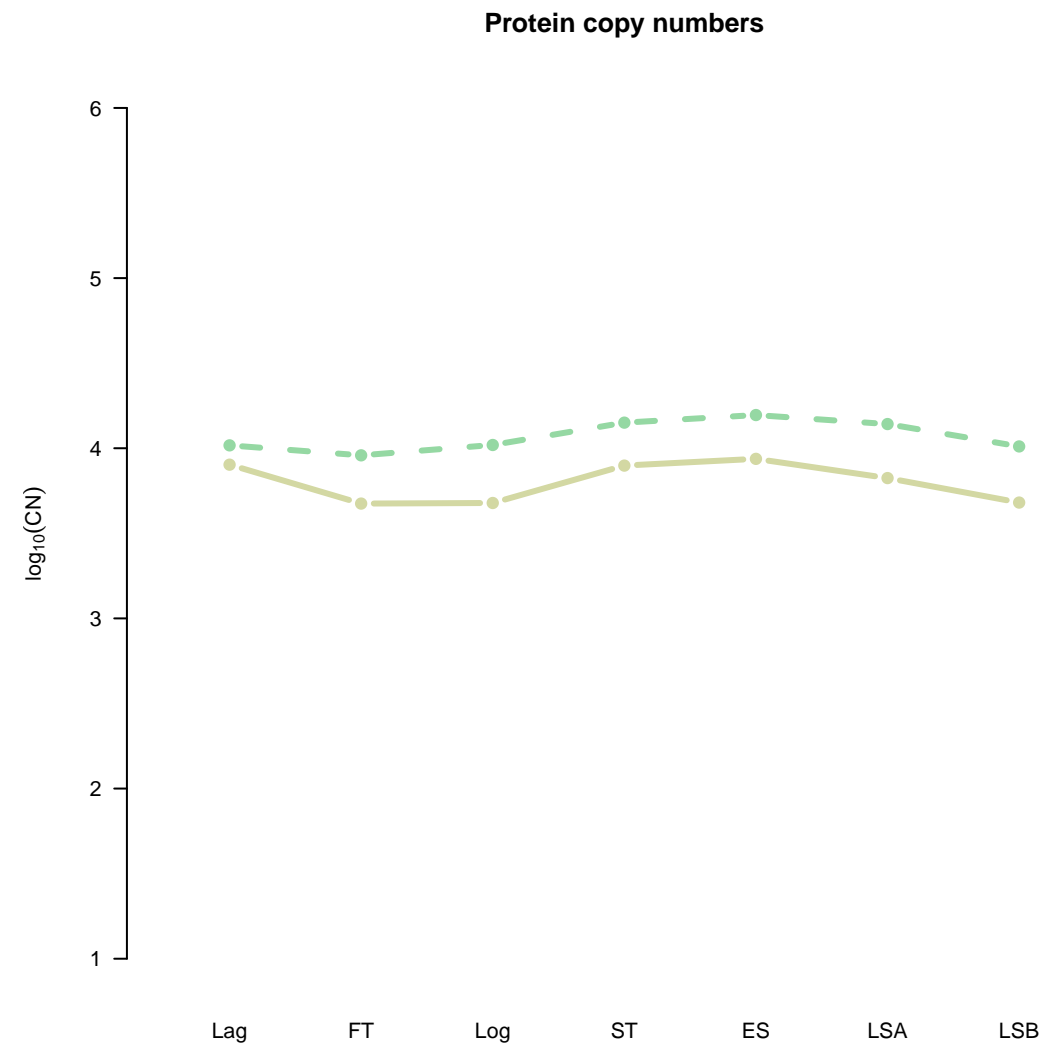
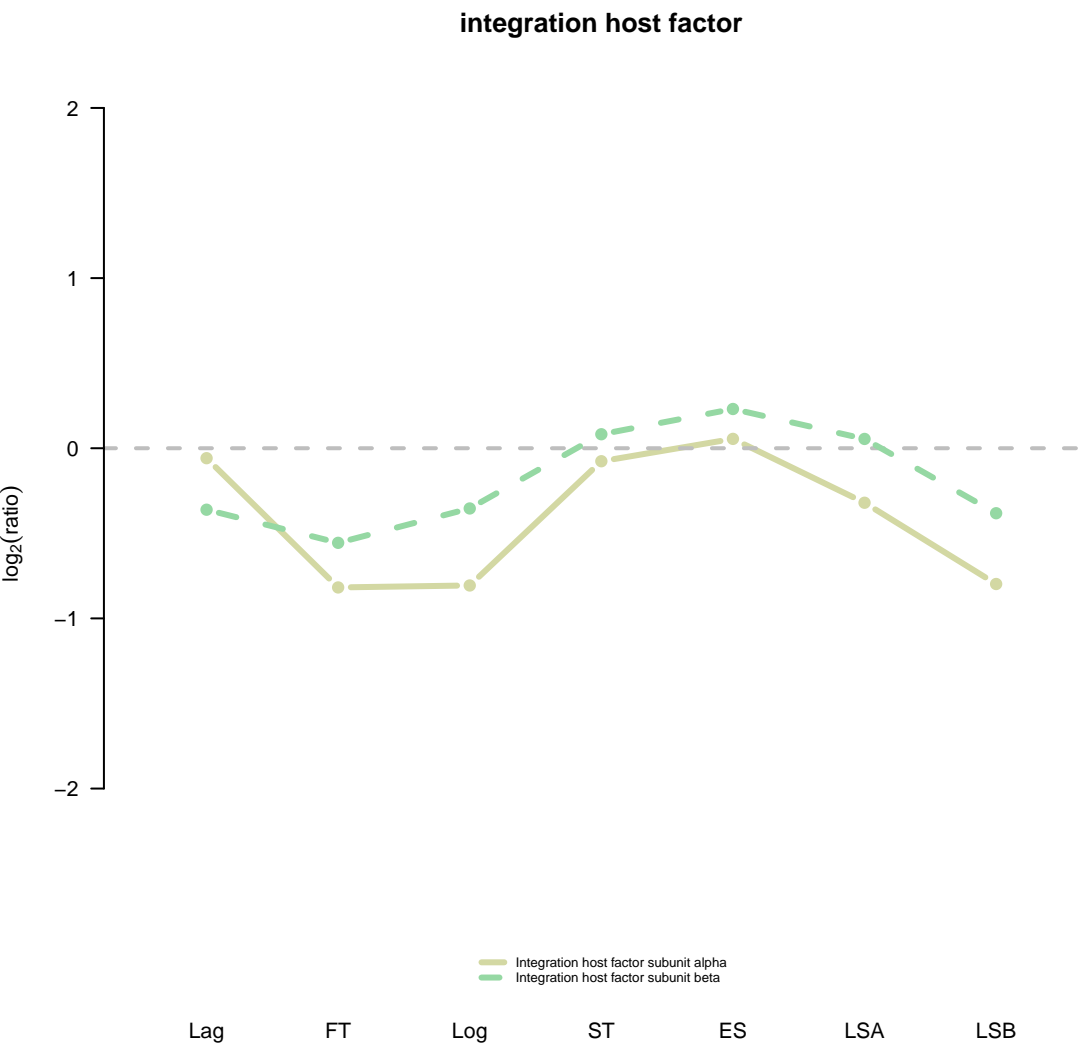


ftsL
ftsB
ftsQ

P0A6S5 |
P69924
P06136

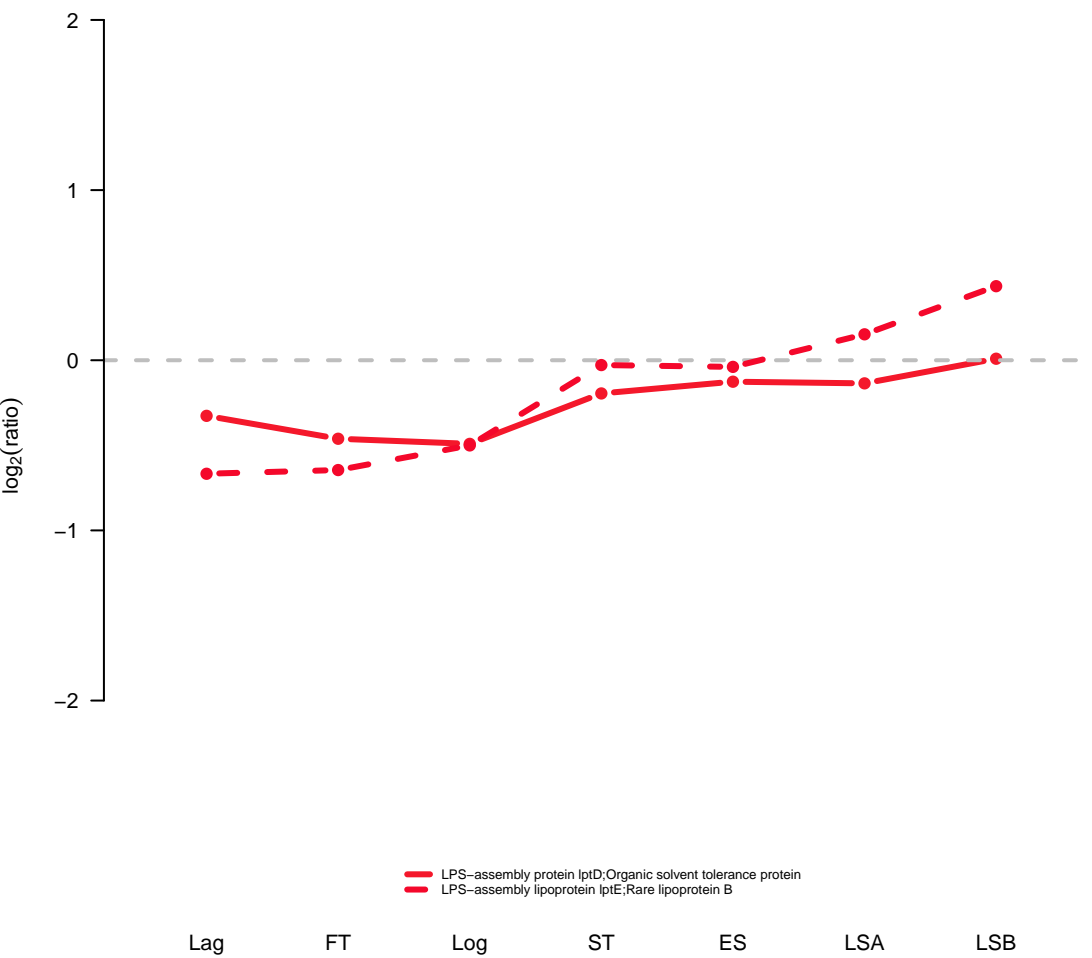
2 hits for ftsB in protein groups table

Cell division protein ftsL
Cell division protein ftsB | Protein B2;Protein R2;Ribonuclease B2
Cell division protein ftsQ

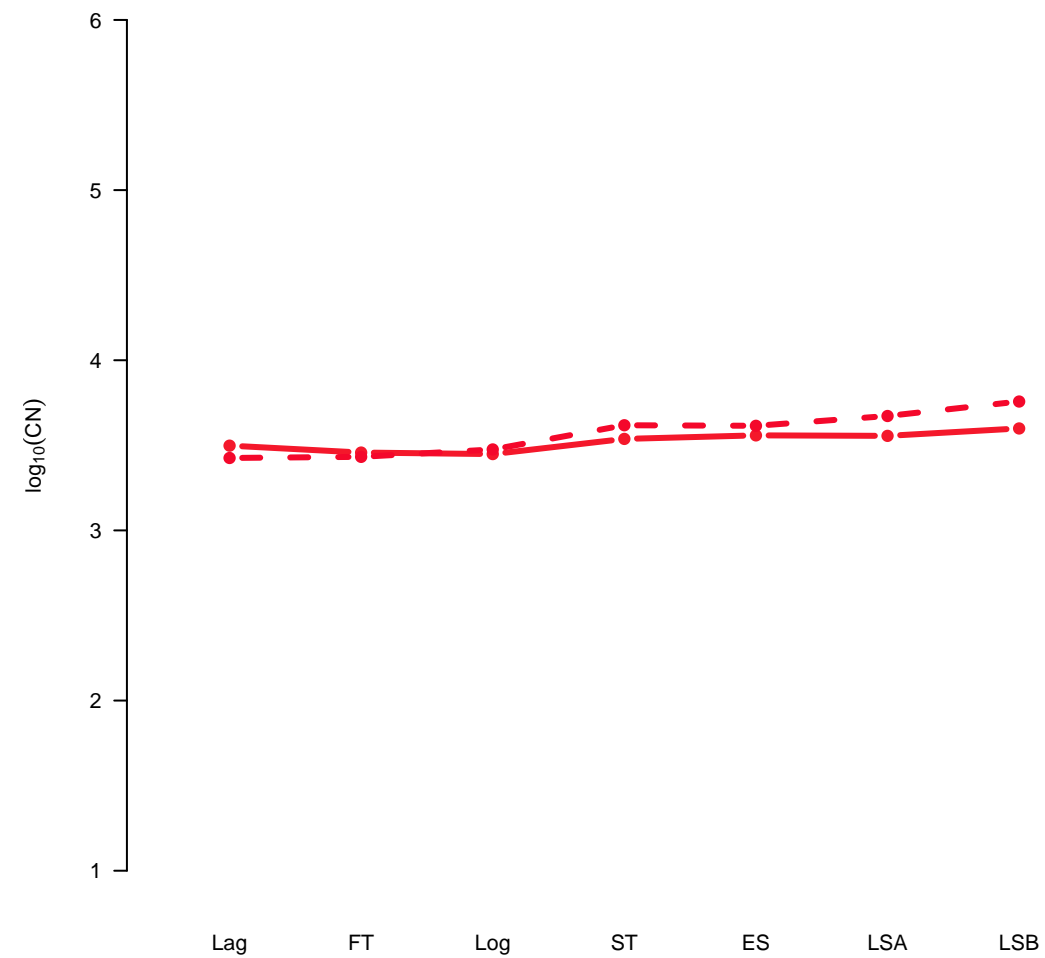


ihfA	P0A6X7	Integration host factor subuni ...
ihfB	P0A6Y1	Integration host factor subuni ...

outer membrane LPS assembly complex

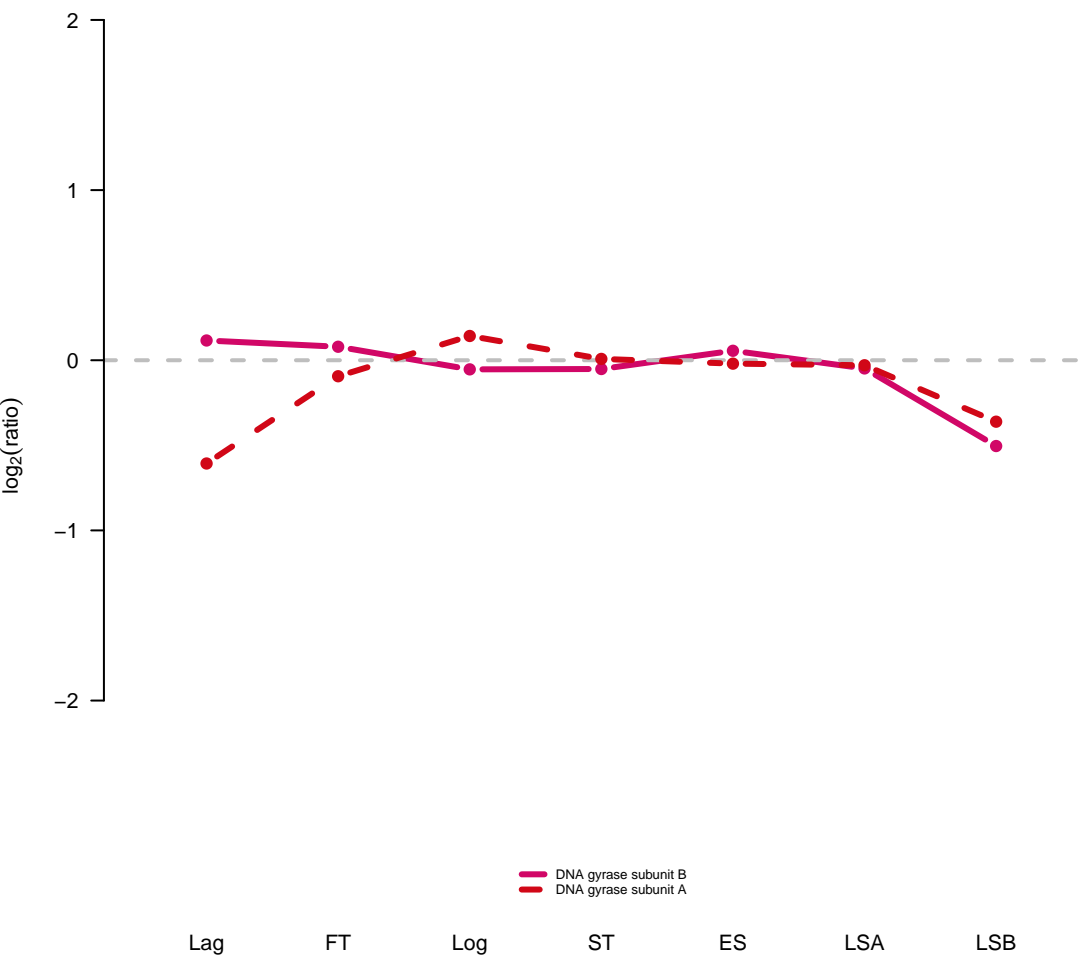


Protein copy numbers

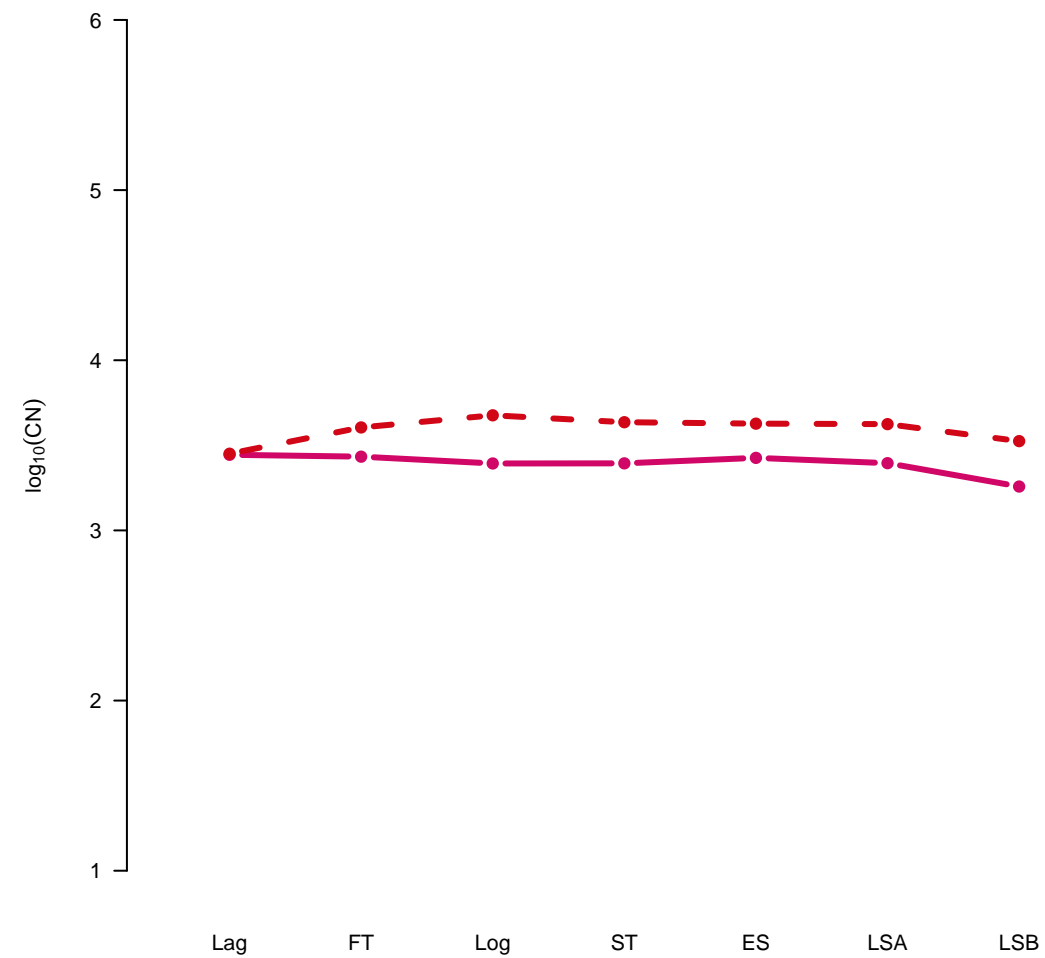


IptD P31554 LPS-assembly protein IptD;Orga ...
IptE P0ADC1 LPS-assembly lipoprotein IptE; ...

DNA gyrase

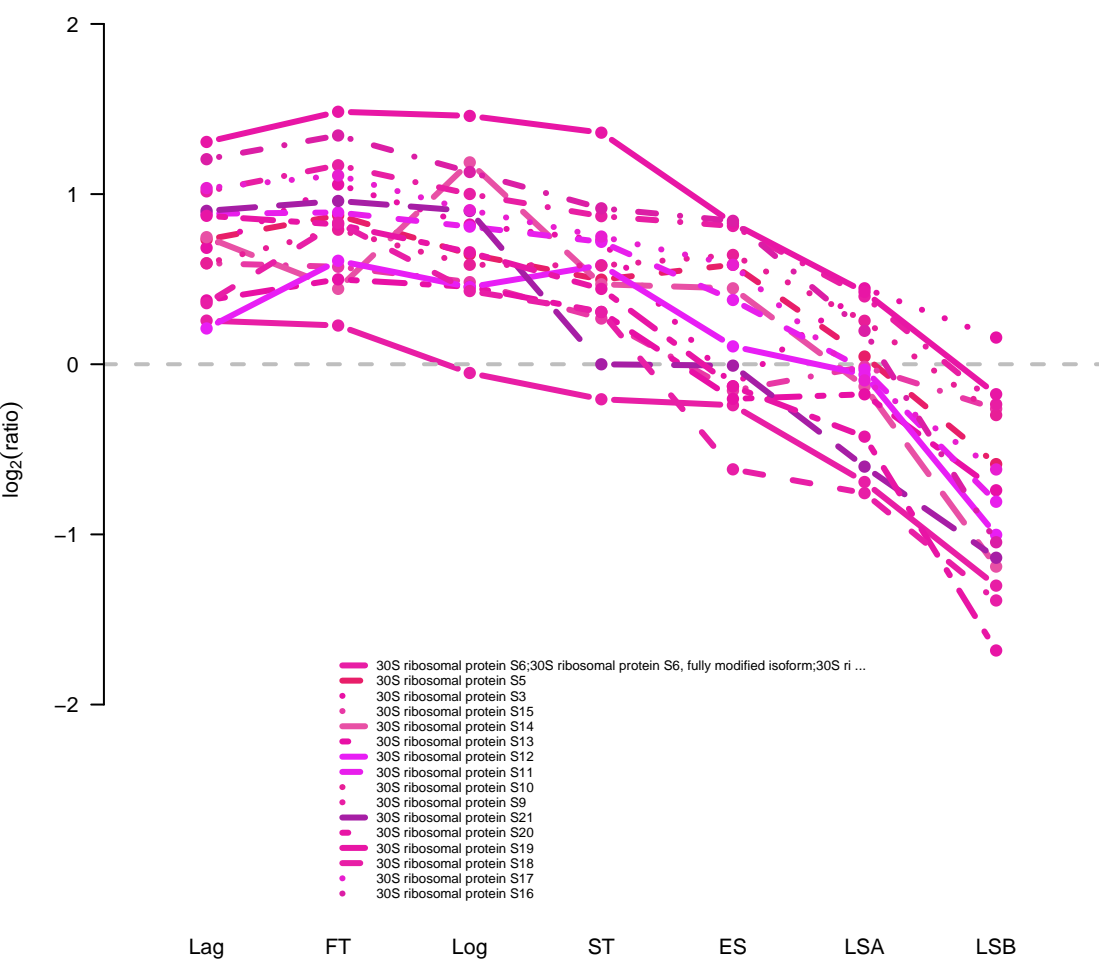


Protein copy numbers

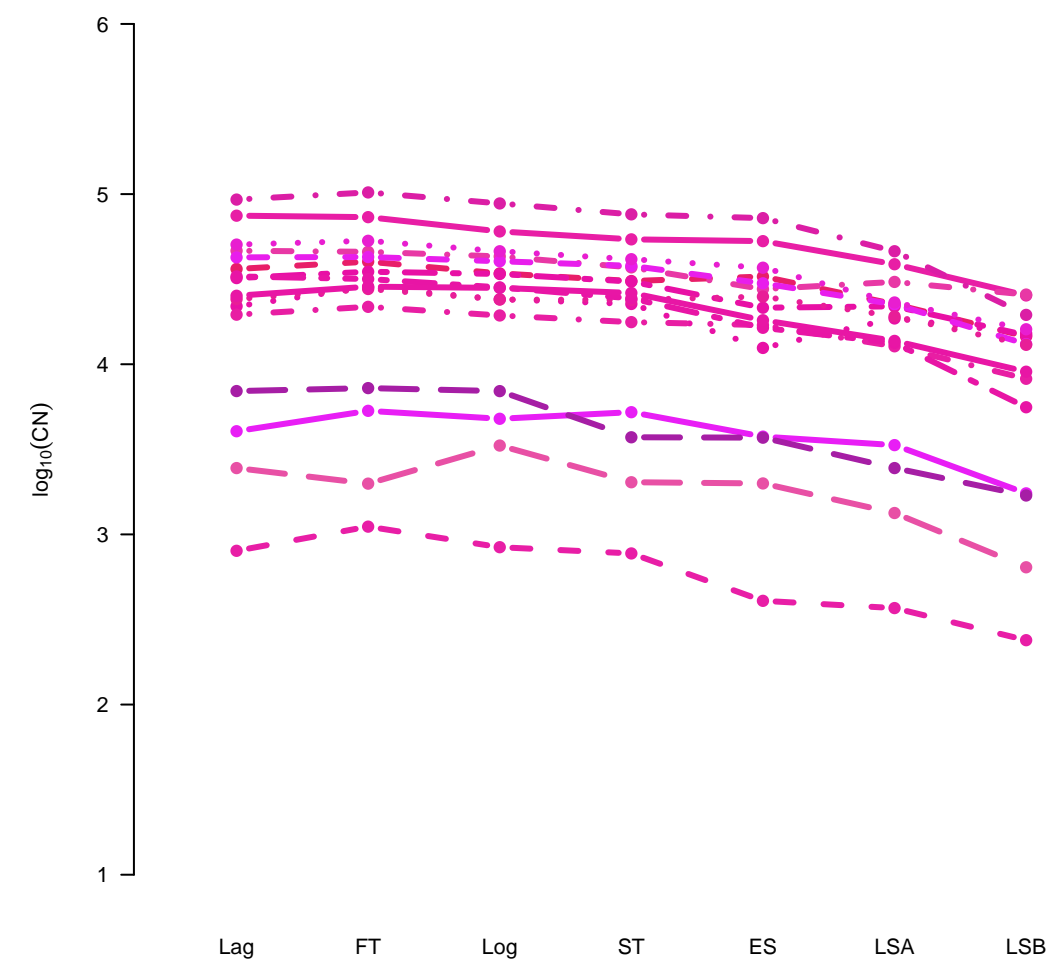


gyrB P0AES6 DNA gyrase subunit B
gyrA P0AES4 DNA gyrase subunit A

30S ribosome

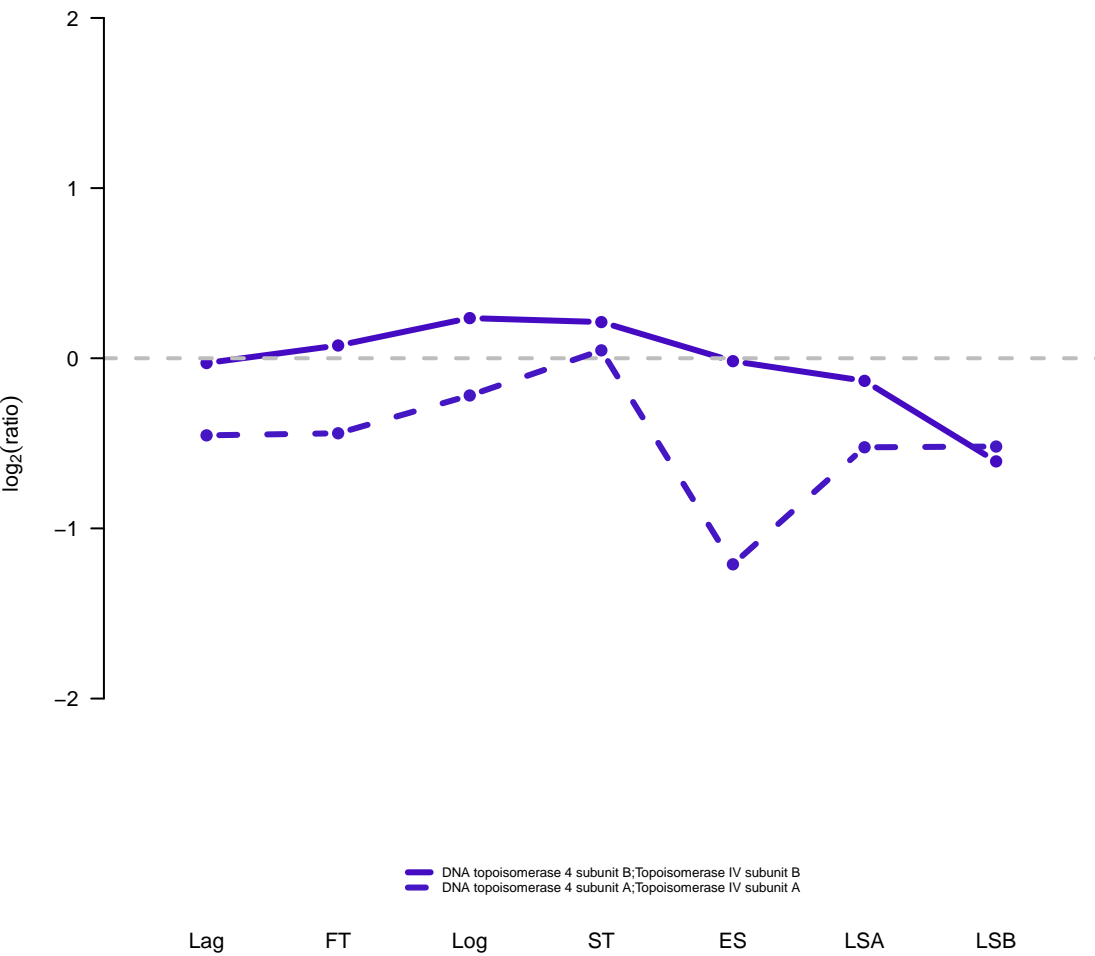


Protein copy numbers

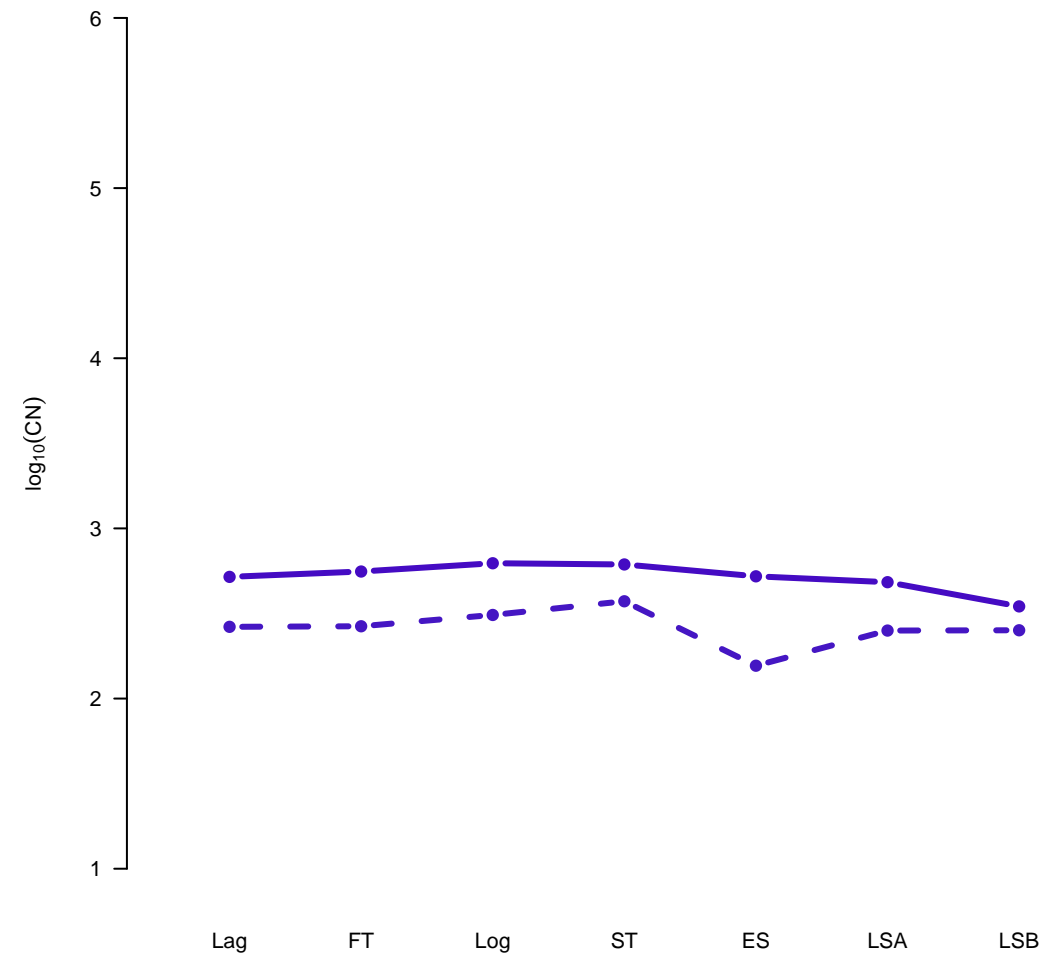


rpsF	P02358	30S ribosomal protein S6;30S r ...
rpsE	P0A7W1	30S ribosomal protein S5
rpsC	P0A7V3	30S ribosomal protein S3
rpsO	P0ADZ4	30S ribosomal protein S15
rpsN	P0AG59	30S ribosomal protein S14
rpsM	P0A7S9	30S ribosomal protein S13
rpsL	P0A7S3	30S ribosomal protein S12
rpsK	P0A7R9	30S ribosomal protein S11
rpsJ	P0A7R5	30S ribosomal protein S10
rpsI	P0A7X3	30S ribosomal protein S9
rpsU	P68679	30S ribosomal protein S21
rpsT	P0A7U7	30S ribosomal protein S20
rpsS	P0A7U3	30S ribosomal protein S19
rpsR	P0A7T7	30S ribosomal protein S18
rpsQ	P0AG63	30S ribosomal protein S17
rpsP	P0A7T3	30S ribosomal protein S16

topoisomerase IV

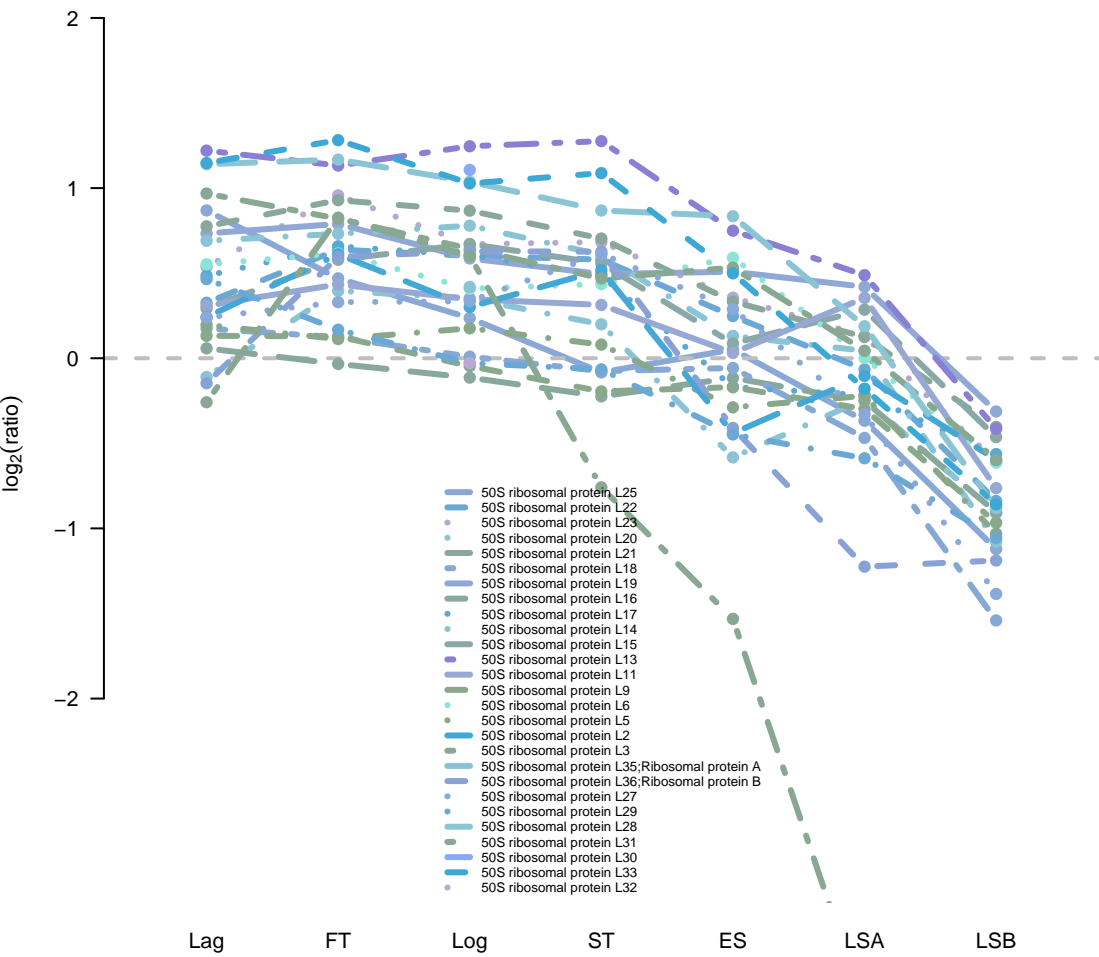


Protein copy numbers

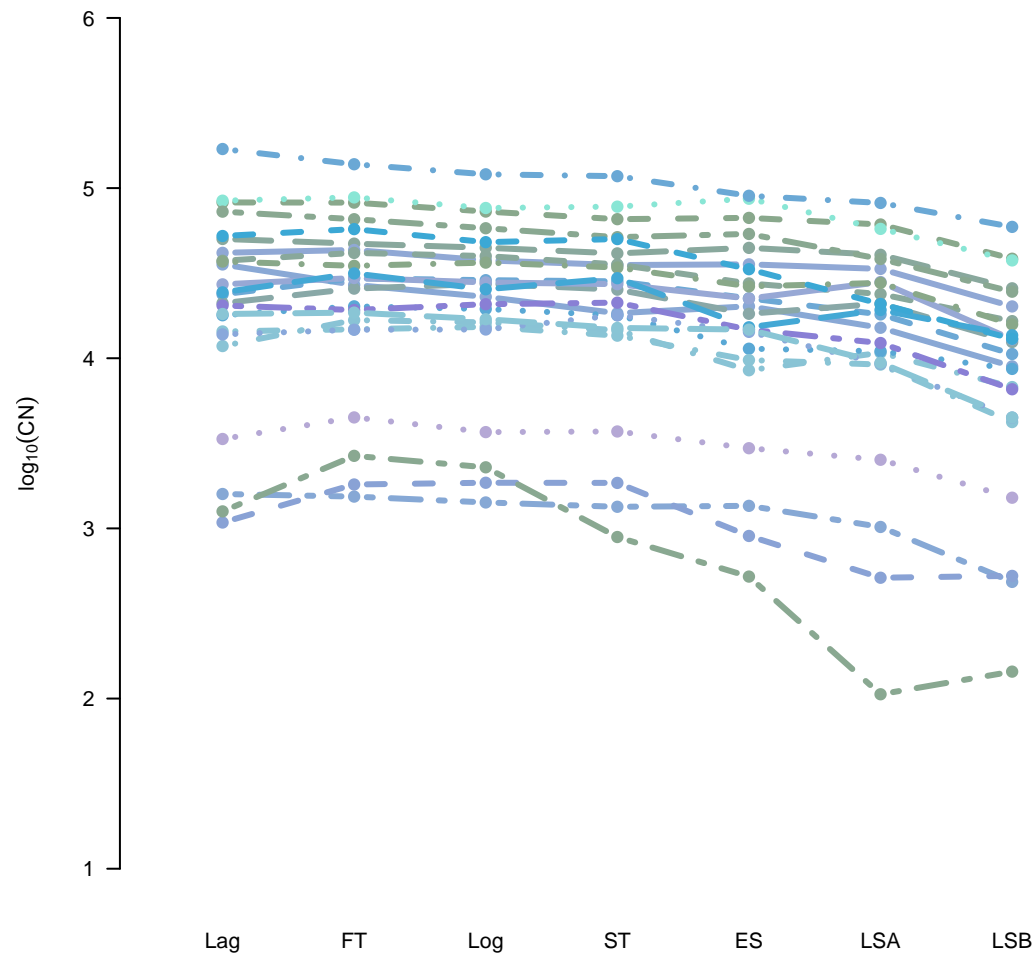


parE P20083 DNA topoisomerase 4 subunit B; ...
 parC P0AFI2 DNA topoisomerase 4 subunit A; ...

50S ribosome

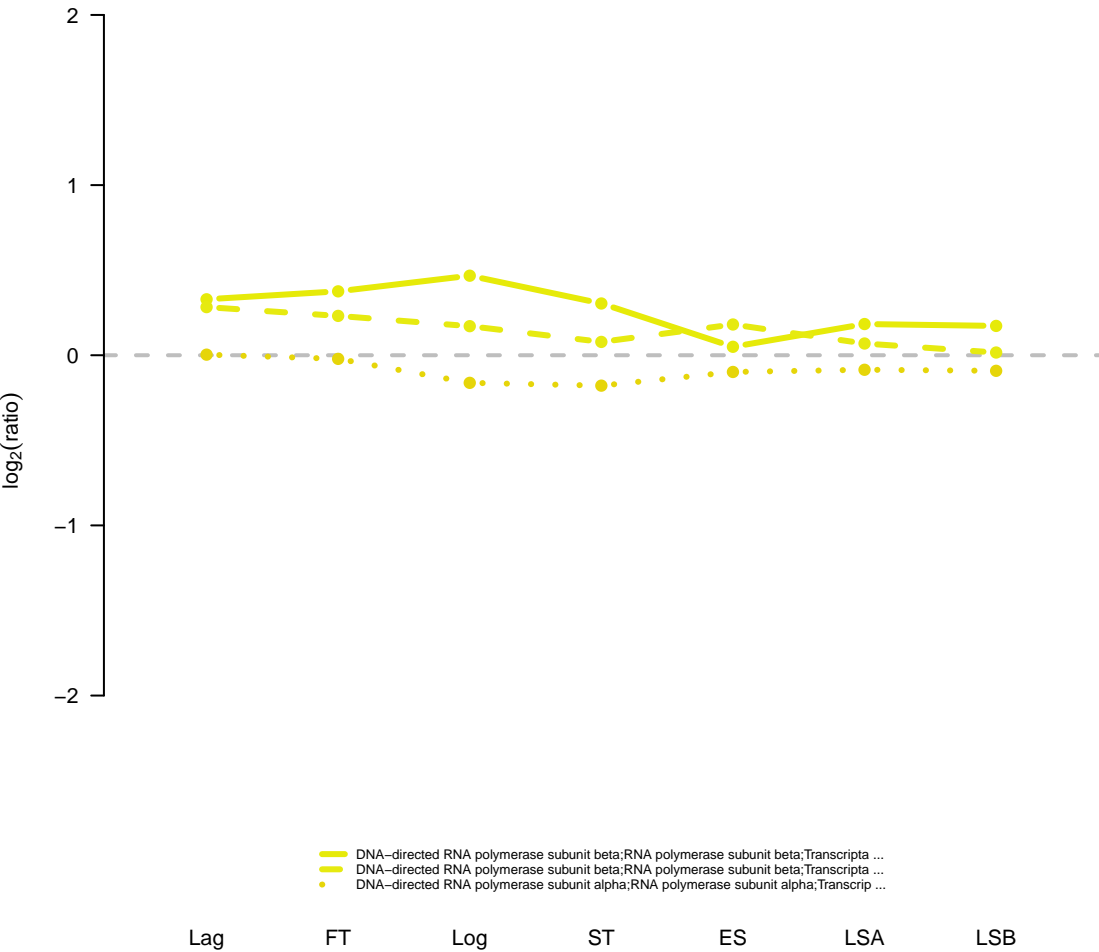


Protein copy numbers

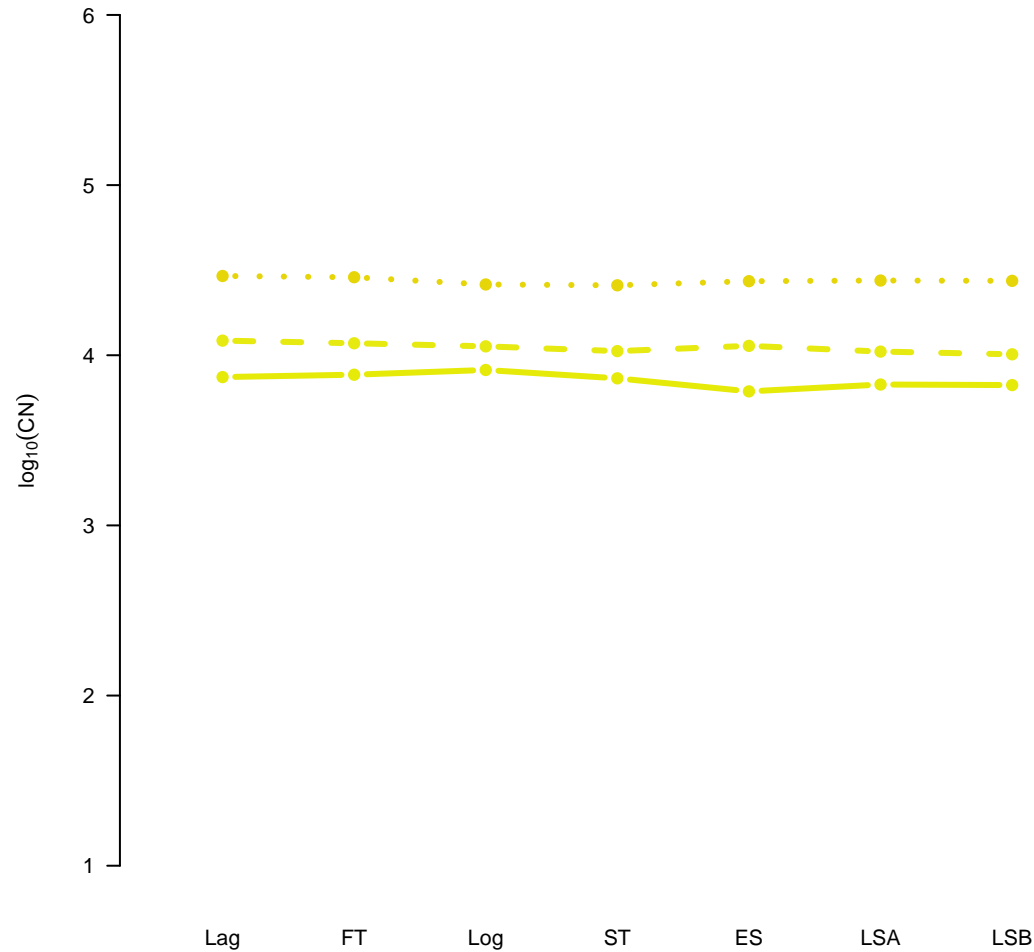


rplY	P68919	50S ribosomal protein L25
rplV	B1X6G6;C4ZUH0;P61175	50S ribosomal protein L22
rplW	P0ADZ0	50S ribosomal protein L23
rplT	P0A7L3	50S ribosomal protein L20
rplU	P0AG48	50S ribosomal protein L21
rplR	P0C018	50S ribosomal protein L18
rplS	P0A7K6	50S ribosomal protein L19
rplP	P0ADY7	50S ribosomal protein L16
rplQ	P0AG44	50S ribosomal protein L17
rplN	P0ADY3	50S ribosomal protein L14
rplO	P02413	50S ribosomal protein L15
rplM	P0AA10	50S ribosomal protein L13
rplK	P0A7J7	50S ribosomal protein L11
rplI	P0A7R1	50S ribosomal protein L9
rplF	P0AG55	50S ribosomal protein L6
rplE	P62399	50S ribosomal protein L5
rplB	P60422	50S ribosomal protein L2
rplC	P60438	50S ribosomal protein L3
rpmI	P0A7Q1	50S ribosomal protein L35;Ribo ...
rpmH	—	—
rpmJ	P0A7Q6	50S ribosomal protein L36;Ribo ...
rpmA	P0A7L8	50S ribosomal protein L27
rpmC	P0A7M6	50S ribosomal protein L29
rpmB	P0A7M2	50S ribosomal protein L28
rpmE	P0A7M9	50S ribosomal protein L31
rpmD	P0AG51	50S ribosomal protein L30
rpmG	P0A7N9	50S ribosomal protein L33
rpmF	P0A7N4	50S ribosomal protein L32

RNA polymerase



Protein copy numbers



rpoC	P0A8T7	DNA-directed RNA polymerase su ...
rpoB	P0A8V2	DNA-directed RNA polymerase su ...
rpoA	P0A7Z4	DNA-directed RNA polymerase su ...