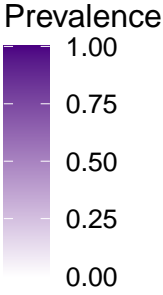
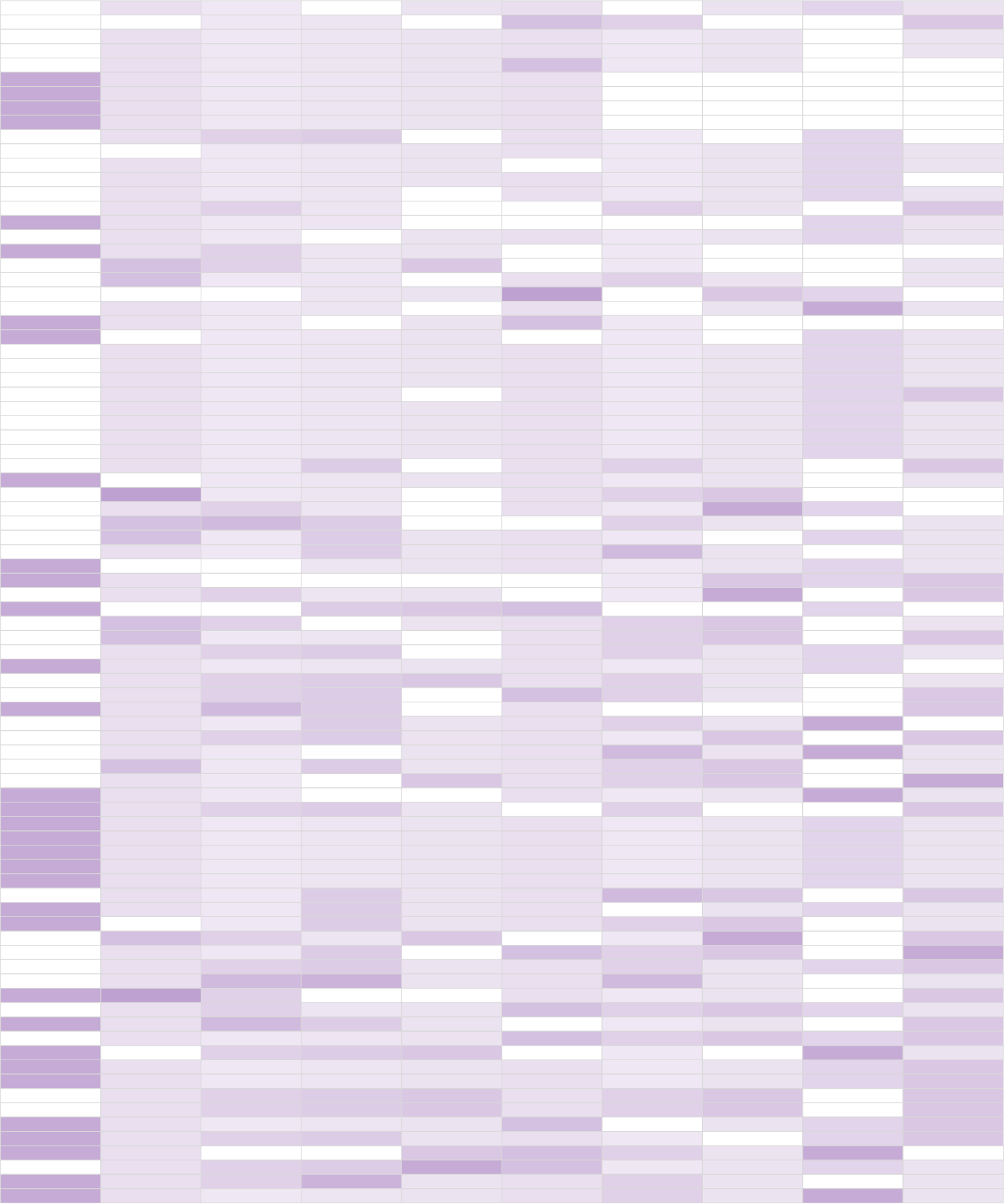


Protein Prevalence Heatmap Across Timepoints (Annotation+ProteinID) 2 /5

Functional Annotation

DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_206\_1.fq.gz\_ctg81210\_44)  
moeb; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (DQML5200-240504-02B-1\_1.fq.gz\_ctg27884|provirus\_327\_38818\_1)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML5200-240511-03B-1\_1.fq.gz\_ctg71149|provirus\_446568\_495701\_59)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML5200-240511-03B-1\_1.fq.gz\_ctg71149|provirus\_446568\_495701\_34)  
MARS, metG; methionyl-tRNA synthetase [EC:6.1.1.10] (DQML5200-240504-01B-1\_1.fq.gz\_ctg200113\_1)  
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (E100081114\_L01\_238\_1.fq.gz\_ctg56169|provirus\_167113\_219484\_55)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_212\_1.fq.gz\_ctg32746|provirus\_82539\_127579\_18)  
DNMT3A; DNA (cytosine-5)-methyltransferase 3A [EC:2.1.1.37] (E100081114\_L01\_238\_1.fq.gz\_ctg56169|provirus\_167113\_219484\_45)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_212\_1.fq.gz\_ctg32746|provirus\_82539\_127579\_16)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML6500-240426-09B-1\_1.fq.gz\_ctg114991|full\_71)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_244\_1.fq.gz\_ctg35155\_39)  
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (E100081120\_L01\_181\_1.fq.gz\_ctg158665\_136)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML6500-240426-09B-1\_1.fq.gz\_ctg63393\_30)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_220\_1.fq.gz\_ctg57035|provirus\_12800\_65672\_26)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML3800-240416-07B-1\_1.fq.gz\_ctg174246|provirus\_107739\_198310\_84)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML3650-240411-06B-1\_1.fq.gz\_ctg15466|provirus\_55805\_107583\_51)  
asnB, ASNS; asparagine synthase (glutamine-hydrolysing) [EC:6.3.5.4] (E100081114\_L01\_206\_1.fq.gz\_ctg76400\_28)  
pncA; nicotinamidase/pyrazinamidase [EC:3.5.1.19 3.5.1.-] (DQML6500-240426-09B-1\_1.fq.gz\_ctg223797\_151)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML6500-240426-09B-1\_1.fq.gz\_ctg101147\_67)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML5200-240504-01B-1\_1.fq.gz\_ctg50357|provirus\_9813\_53948\_25)  
PC, pyc; pyruvate carboxylase [EC:6.4.1.1] (FP400003218\_L01\_202\_1.fq.gz\_ctg171951\_47)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML5200-240522-02B-1\_1.fq.gz\_ctg108491\_45)  
iscS, NFS1; cysteine desulfurase [EC:2.8.1.7] (E100081114\_L01\_212\_1.fq.gz\_ctg107730|full\_75)  
ahbD; heme synthase (E100081120\_L01\_184\_1.fq.gz\_ctg115737\_17)  
pncA; nicotinamidase/pyrazinamidase [EC:3.5.1.19 3.5.1.-] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_371)  
nadE; NAD+ synthase [EC:6.3.1.5] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_282)  
nadD; nicotinate-nucleotide adenyllyltransferase [EC:2.7.7.18] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_416)  
iscS, NFS1; cysteine desulfurase [EC:2.8.1.7] (E100081120\_L01\_194\_1.fq.gz\_ctg109127\_42)  
coaE; dephospho-CoA kinase [EC:2.7.1.24] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_249)  
K13522, nadM; bifunctional NMN adenyllyltransferase/nudix hydrolase [EC:2.7.7.1 3.6.1.-] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_132)  
E2.7.7.3A, coaD, kdtB; pantetheine-phosphate adenyllyltransferase [EC:2.7.7.3] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_83)  
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204858\_252)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML3800-240416-01B-1\_1.fq.gz\_ctg188102\_88)  
iscS, NFS1; cysteine desulfurase [EC:2.8.1.7] (DQML5800-240428-04B-1\_1.fq.gz\_ctg71522|provirus\_1\_95583\_119)  
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (DQML5200-240504-01B-1\_1.fq.gz\_ctg50357|provirus\_9813\_53948\_23)  
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (E100081120\_L01\_158\_1.fq.gz\_ctg13772\_5)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML3800-240416-01B-1\_1.fq.gz\_ctg50872\_7)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML5800-240423-02B-1\_1.fq.gz\_ctg13810|provirus\_13092\_56190\_17)  
moeb; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (DQML5200-240504-02B-1\_1.fq.gz\_ctg24107\_85)  
DPM1; dolichol-phosphate mannosyltransferase [EC:2.4.1.83] (E100081120\_L01\_144\_1.fq.gz\_ctg178128\_127)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML3650-240411-06B-1\_1.fq.gz\_ctg195402\_2)  
galE, GALE; UDP-glucose 4-epimerase [EC:5.1.3.2] (E100081114\_L01\_199\_1.fq.gz\_ctg76660|provirus\_1\_37497\_49)  
moaA, CNX2; GTP 3',8-cyclase [EC:4.1.99.22] (FP400003218\_L01\_158\_1.fq.gz\_ctg380149\_57)  
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (E100081120\_L01\_241\_1.fq.gz\_ctg16063|provirus\_15717\_101078\_15)  
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (DQML5200-240504-01B-1\_1.fq.gz\_ctg50357|provirus\_9813\_53948\_22)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML5200-240504-02B-1\_1.fq.gz\_ctg38268|provirus\_87771\_149659\_42)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML6500-240426-04B-1\_1.fq.gz\_ctg127435|provirus\_387\_57371\_47)  
iscS, NFS1; cysteine desulfurase [EC:2.8.1.7] (DQML5200-240504-02B-1\_1.fq.gz\_ctg24107\_35)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_247\_1.fq.gz\_ctg183260\_8)  
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (E100081114\_L01\_238\_1.fq.gz\_ctg1616|provirus\_17765\_65157\_67)  
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (E100081114\_L01\_246\_1.fq.gz\_ctg7656|provirus\_6713\_38424\_16)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_215\_1.fq.gz\_ctg36496\_8)  
pfk, pfp; ATP-dependent phosphofructokinase / diphosphate-dependent phosphofructokinase [EC:2.7.1.11 2.7.1.90] (E100081114\_L01\_221\_1.fq.gz\_...)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081120\_L01\_241\_1.fq.gz\_ctg16063|provirus\_15717\_101078\_13)  
gmhB; D-glycero-D-manno-heptose 1,7-bisphosphate phosphatase [EC:3.1.3.82 3.1.3.83] (DQML5200-240522-03B-1\_1.fq.gz\_ctg149272\_17)  
mec; [CysO sulfur-carrier protein]-S-L-cysteine hydrolase [EC:3.13.1.6] (E100081120\_L01\_192\_1.fq.gz\_ctg36699|provirus\_346\_45854\_36)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_247\_1.fq.gz\_ctg263404\_41)  
purA, ADSS; adenylosuccinate synthase [EC:6.3.4.4] (DQML3650-240411-06B-1\_1.fq.gz\_ctg204331\_15)  
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (DQML3650-240411-06B-1\_1.fq.gz\_ctg103921|provirus\_6249\_95435\_59)  
lacZ; beta-galactosidase [EC:3.2.1.23] (DQML3650-240411-06B-1\_1.fq.gz\_ctg103921|provirus\_6249\_95435\_44)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_220\_1.fq.gz\_ctg87820\_10)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_213\_1.fq.gz\_ctg119037\_67)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_215\_1.fq.gz\_ctg129584\_27)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_212\_1.fq.gz\_ctg47107|provirus\_1\_63987\_62)  
glmS, GFPT; glutamine-fructose-6-phosphate transaminase (isomerizing) [EC:2.6.1.16] (E100081114\_L01\_231\_1.fq.gz\_ctg102056|provirus\_101665...)  
coaX; type III pantothenate kinase [EC:2.7.1.33] (E100081114\_L01\_199\_1.fq.gz\_ctg76660|provirus\_1\_37497\_51)  
hprA; glycerate dehydrogenase [EC:1.1.1.29] (DQML3800-240416-01B-1\_1.fq.gz\_ctg57422|provirus\_57115\_100127\_2)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (DQML5200-240504-02B-1\_1.fq.gz\_ctg53827\_21)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081120\_L01\_149\_1.fq.gz\_ctg15585|provirus\_3\_35046\_9)  
nfrA2; FMN reductase [NAD(P)H] [EC:1.5.1.39] (E100081120\_L01\_158\_1.fq.gz\_ctg44659\_11)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081120\_L01\_159\_1.fq.gz\_ctg66527|provirus\_48608\_131982\_64)  
NAMPT; nicotinamide phosphoribosyltransferase [EC:2.4.2.12] (DQML6500-240426-09B-1\_1.fq.gz\_ctg223797\_147)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_244\_1.fq.gz\_ctg35155\_32)  
ahbD; heme synthase (DQML5800-240423-02B-1\_1.fq.gz\_ctg63608\_4)  
DNMT3A; DNA (cytosine-5)-methyltransferase 3A [EC:2.1.1.37] (DQML3650-240411-06B-1\_1.fq.gz\_ctg81337|provirus\_154152\_217780\_47)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_220\_1.fq.gz\_ctg8582\_30)  
ubiE; demethylmenaquinone methyltransferase / 2-methoxy-6-polyprenyl-1,4-benzoquinol methylase [EC:2.1.1.163 2.1.1.201] (DQML5200-240511-03...)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (DQML5200-240511-03B-1\_1.fq.gz\_ctg158863\_39)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_213\_1.fq.gz\_ctg28158|provirus\_1\_26539\_38)  
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081114\_L01\_220\_1.fq.gz\_ctg8582\_29)  
pgl; 6-phosphogluconolactonase [EC:3.1.1.31] (E100081114\_L01\_147\_1.fq.gz\_ctg875\_2)  
E2.4.1.5; dextranucrase [EC:2.4.1.5] (E100081114\_L01\_139\_1.fq.gz\_ctg132326|full\_62)  
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114\_L01\_238\_1.fq.gz\_ctg102217|provirus\_22004\_104253\_23)  
pncA; nicotinamidase/pyrazinamidase [EC:3.5.1.19 3.5.1.-] (E100081120\_L01\_149\_1.fq.gz\_ctg207832\_72)



Timepoint