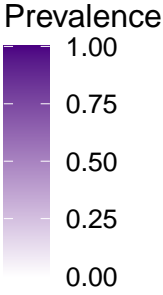
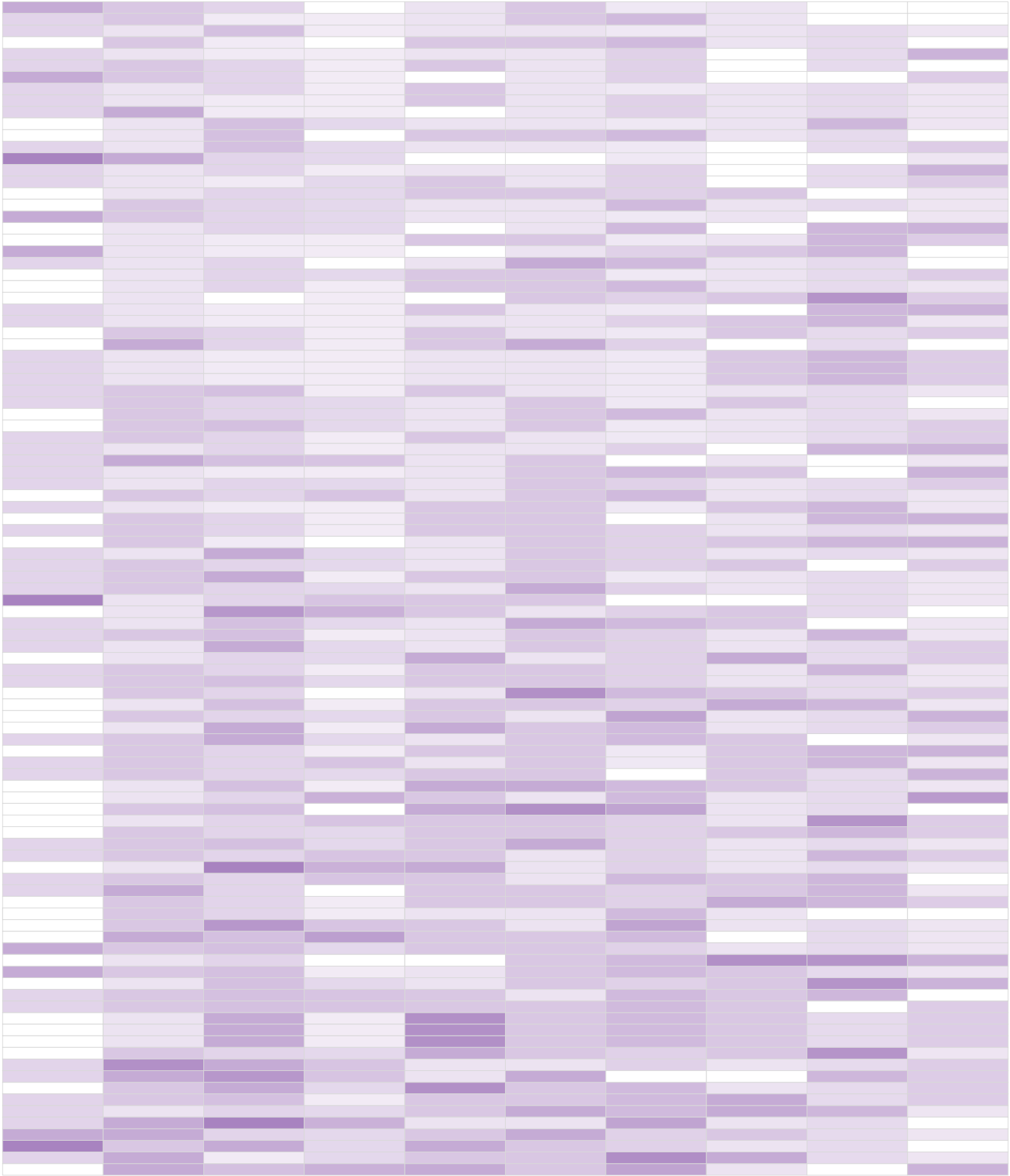


Protein Prevalence Heatmap Across Timepoints (Annotation+ProteinID) 2 /5

Functional Annotation

hspA; 6-hydroxy-3-succinoylpyridine 3-monoxygenase [EC:1.14.13.163] (FP400003218_L01_164_1.fq.gz_ctg744538|provirus_300_58498_23)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_220_1.fq.gz_ctg394253_22)
inuJ; inulosucrase [EC:2.4.1.9] (FP400003218_L01_206_1.fq.gz_ctg204170_132)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_153_1.fq.gz_ctg49511_37)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (E100081114_L01_140_1.fq.gz_ctg30884_137)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_144_1.fq.gz_ctg424636_30)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_232_1.fq.gz_ctg27782_15)
moeB; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (FP400003218_L01_237_1.fq.gz_ctg324774_96)
mec; [CysO sulfur-carrier protein]-S-L-cysteine hydrolase [EC:3.13.1.6] (FP400003218_L01_149_1.fq.gz_ctg207120_3)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114_L01_146_1.fq.gz_ctg335209_2)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_242_1.fq.gz_ctg218659|provirus_13556_40037_39)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_213_1.fq.gz_ctg611049_30)
moeB; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (FP400003218_L01_176_1.fq.gz_ctg204805_111)
folD; methylenetetrahydrofolate dehydrogenase (NADP+) / methenyltetrahydrofolate cyclohydrolase [EC:1.5.1.5 3.5.4.9] (FP400003218_L01_206_1...
nadD; nicotinate-nucleotide adenyllyltransferase [EC:2.7.7.18] (E100081114_L01_140_1.fq.gz_ctg30884_130)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_198_1.fq.gz_ctg505580_18)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_146_1.fq.gz_ctg4068_18)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_189_1.fq.gz_ctg427042_36)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114_L01_158_1.fq.gz_ctg32965|provirus_21405_62362_37)
glmS, GFPT; glutamine---fructose-6-phosphate transaminase (isomerizing) [EC:2.6.1.16] (E100081114_L01_142_1.fq.gz_ctg103390_32)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081120_L01_247_1.fq.gz_ctg79956|provirus_3_41826_44)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_168_1.fq.gz_ctg33141_55)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_213_1.fq.gz_ctg611049_19)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_170_1.fq.gz_ctg26232_18)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_180_1.fq.gz_ctg250130_13)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114_L01_141_1.fq.gz_ctg442842|provirus_1_40841_6)
nadE; NAD+ synthase [EC:6.3.1.5] (E100081114_L01_140_1.fq.gz_ctg30884_113)
queC; 7-cyano-7-deazaguanine synthase [EC:6.3.4.20] (FP400003218_L01_214_1.fq.gz_ctg181915_85)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (FP400003218_L01_159_1.fq.gz_ctg325704_43)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_153_1.fq.gz_ctg114350_45)
queE; 7-carboxy-7-deazaguanine synthase [EC:4.3.99.3] (FP400003218_L01_214_1.fq.gz_ctg181915_63)
queD, ptpS, PTS; 6-pyruvoyltetrahydropterin/6-carboxyyltetrahydropterin synthase [EC:4.2.3.12 4.1.2.50] (FP400003218_L01_214_1.fq.gz_ctg18191...
folE2; GTP cyclohydrolase IB [EC:3.5.4.16] (FP400003218_L01_214_1.fq.gz_ctg181915_52)
NAMPT; nicotinamide phosphoribosyltransferase [EC:2.4.2.12] (FP400003218_L01_237_1.fq.gz_ctg324774_148)
nadR; HTH-type transcriptional repressor of NAD biosynthesis genes [EC:2.7.7.1 2.7.1.22] (FP400003218_L01_206_1....
moeB; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (FP400003218_L01_189_1.fq.gz_ctg427042_24)
IMA, mall; oligo-1,6-glucosidase [EC:3.2.1.10] (FP400003218_L01_231_1.fq.gz_ctg283566_8)
cobA, btuR; cob(l)alamin adenosyltransferase [EC:2.5.1.17] (FP400003218_L01_192_1.fq.gz_ctg82858_1)
pncB, NAPRT1; nicotinate phosphoribosyltransferase [EC:6.3.4.21] (E100081114_L01_140_1.fq.gz_ctg30884_146)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_142_1.fq.gz_ctg375070_21)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_220_1.fq.gz_ctg394253_21)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_162_1.fq.gz_ctg5199|provirus_7625_58782_12)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (FP400003218_L01_189_1.fq.gz_ctg427042_14)
E2.3.1.54, pfID; formate C-acetyltransferase [EC:2.3.1.54] (E100081114_L01_143_1.fq.gz_ctg51958_1)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (E100081114_L01_140_1.fq.gz_ctg90999_91)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (FP400003218_L01_165_1.fq.gz_ctg211657_80)
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (E100081114_L01_147_1.fq.gz_ctg661288_42)
mec; [CysO sulfur-carrier protein]-S-L-cysteine hydrolase [EC:3.13.1.6] (E100081120_L01_245_1.fq.gz_ctg53251_29)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (FP400003218_L01_170_1.fq.gz_ctg74691_59)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (FP400003218_L01_237_1.fq.gz_ctg324774_145)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_201_1.fq.gz_ctg73526|provirus_17749_57483_16)
mec; [CysO sulfur-carrier protein]-S-L-cysteine hydrolase [EC:3.13.1.6] (E100081114_L01_141_1.fq.gz_ctg130101_58)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_240_1.fq.gz_ctg221197_24)
lysA; diaminopimelate decarboxylase [EC:4.1.1.20] (E100081114_L01_154_1.fq.gz_ctg17810_44)
luxS; S-ribosylhomocysteine lyase [EC:4.4.1.21] (E100081114_L01_144_1.fq.gz_ctg355084|provirus_24189_103110_24)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_164_1.fq.gz_ctg430531_13)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081114_L01_152_1.fq.gz_ctg28055_9)
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (E100081114_L01_144_1.fq.gz_ctg355084|provirus_24189_103110_23)
mtnN, mtn, pfs; adenosylhomocysteine nucleosidase [EC:3.2.2.9] (E100081114_L01_144_1.fq.gz_ctg355084|provirus_24189_103110_25)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (E100081114_L01_144_1.fq.gz_ctg210563_87)
purA, ADSS; adenylosuccinate synthase [EC:6.3.4.4] (FP400003218_L01_231_1.fq.gz_ctg515965_23)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_146_1.fq.gz_ctg9531_25)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (E100081114_L01_144_1.fq.gz_ctg108424_100)
carB, CPA2; carbamoyl-phosphate synthase large subunit [EC:6.3.5.5] (E100081114_L01_154_1.fq.gz_ctg17810_46)
DNMT3A; DNA (cytosine-5)-methyltransferase 3A [EC:2.1.1.37] (E100081120_L01_250_1.fq.gz_ctg473254_110)
lpxD; UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase [EC:2.3.1.191] (FP400003218_L01_159_1.fq.gz_ctg925237_3)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (FP400003218_L01_220_1.fq.gz_ctg391321_63)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_152_1.fq.gz_ctg388391_44)
thiF; sulfur carrier protein ThiS adenyllyltransferase [EC:2.7.7.73] (E100081114_L01_150_1.fq.gz_ctg81533_9)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (E100081120_L01_247_1.fq.gz_ctg173675_32)
E2.4.1.5; dextranucrase [EC:2.4.1.5] (E100081114_L01_141_1.fq.gz_ctg20713_4)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_189_1.fq.gz_ctg512163_111)
moeB; molybdopterin-synthase adenyllyltransferase [EC:2.7.7.80] (FP400003218_L01_190_1.fq.gz_ctg83163_131)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_161_1.fq.gz_ctg157731_6)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_240_1.fq.gz_ctg221197_111)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_237_1.fq.gz_ctg336175_7)
metK; S-adenosylmethionine synthetase [EC:2.5.1.6] (E100081114_L01_144_1.fq.gz_ctg575260_152)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_152_1.fq.gz_ctg134036_41)
birA; BirA family transcriptional regulator, biotin operon repressor / biotin---[acetyl-CoA-carboxylase] ligase [EC:6.3.4.15] (FP400003218_...
NAMPT; nicotinamide phosphoribosyltransferase [EC:2.4.2.12] (FP400003218_L01_189_1.fq.gz_ctg427042_164)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (FP400003218_L01_152_1.fq.gz_ctg669846_24)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (FP400003218_L01_190_1.fq.gz_ctg83163_153)
dcyD; D-cysteine desulfhydrase [EC:4.4.1.15] (FP400003218_L01_191_1.fq.gz_ctg537810_165)
ddl; D-alanine-D-alanine ligase [EC:6.3.2.4] (FP400003218_L01_164_1.fq.gz_ctg437939_3)
folD; methylenetetrahydrofolate dehydrogenase (NADP+) / methenyltetrahydrofolate cyclohydrolase [EC:1.5.1.5 3.5.4.9] (E100081114_L01_143_1...
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_197_1.fq.gz_ctg88610_19)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_193_1.fq.gz_ctg57678|provirus_25079_74364_26)
pncB, NAPRT1; nicotinate phosphoribosyltransferase [EC:6.3.4.21] (E100081114_L01_144_1.fq.gz_ctg108424_222)
pncA; nicotinamidase/pyrazinamidase [EC:3.5.1.19 3.5.1.-] (E100081114_L01_144_1.fq.gz_ctg108424_225)
nadE; NAD+ synthase [EC:6.3.1.5] (E100081114_L01_144_1.fq.gz_ctg108424_51)
cysH; phosphoadenosine phosphosulfate reductase [EC:1.8.4.8 1.8.4.10] (E100081120_L01_246_1.fq.gz_ctg179300_41)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_144_1.fq.gz_ctg342849|provirus_38563_72330_22)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_246_1.fq.gz_ctg271570_56)
plsC; 1-acyl-sn-glycerol-3-phosphate acyltransferase [EC:2.3.1.51] (E100081114_L01_144_1.fq.gz_ctg108424_221)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_226_1.fq.gz_ctg182098_53)
mec; [CysO sulfur-carrier protein]-S-L-cysteine hydrolase [EC:3.13.1.6] (FP400003218_L01_155_1.fq.gz_ctg533472_18)
mrcA; penicillin-binding protein 1A [EC:2.4.1.129 3.4.16.4] (FP400003218_L01_174_1.fq.gz_ctg424783_201)
DNMT1, dcm; DNA (cytosine-5)-methyltransferase 1 [EC:2.1.1.37] (FP400003218_L01_146_1.fq.gz_ctg179204|provirus_47178_99232_60)
E2.4.1.5; dextranucrase [EC:2.4.1.5] (E100081114_L01_139_1.fq.gz_ctg376138_22)
DHFR, folA; dihydrofolate reductase [EC:1.5.1.3] (FP400003218_L01_164_1.fq.gz_ctg65878_192)
phnP; phosphoribosyl 1,2-cyclic phosphate phosphodiesterase [EC:3.1.4.55] (FP400003218_L01_144_1.fq.gz_ctg257956|provirus_3602_50017_59)



Timepoint