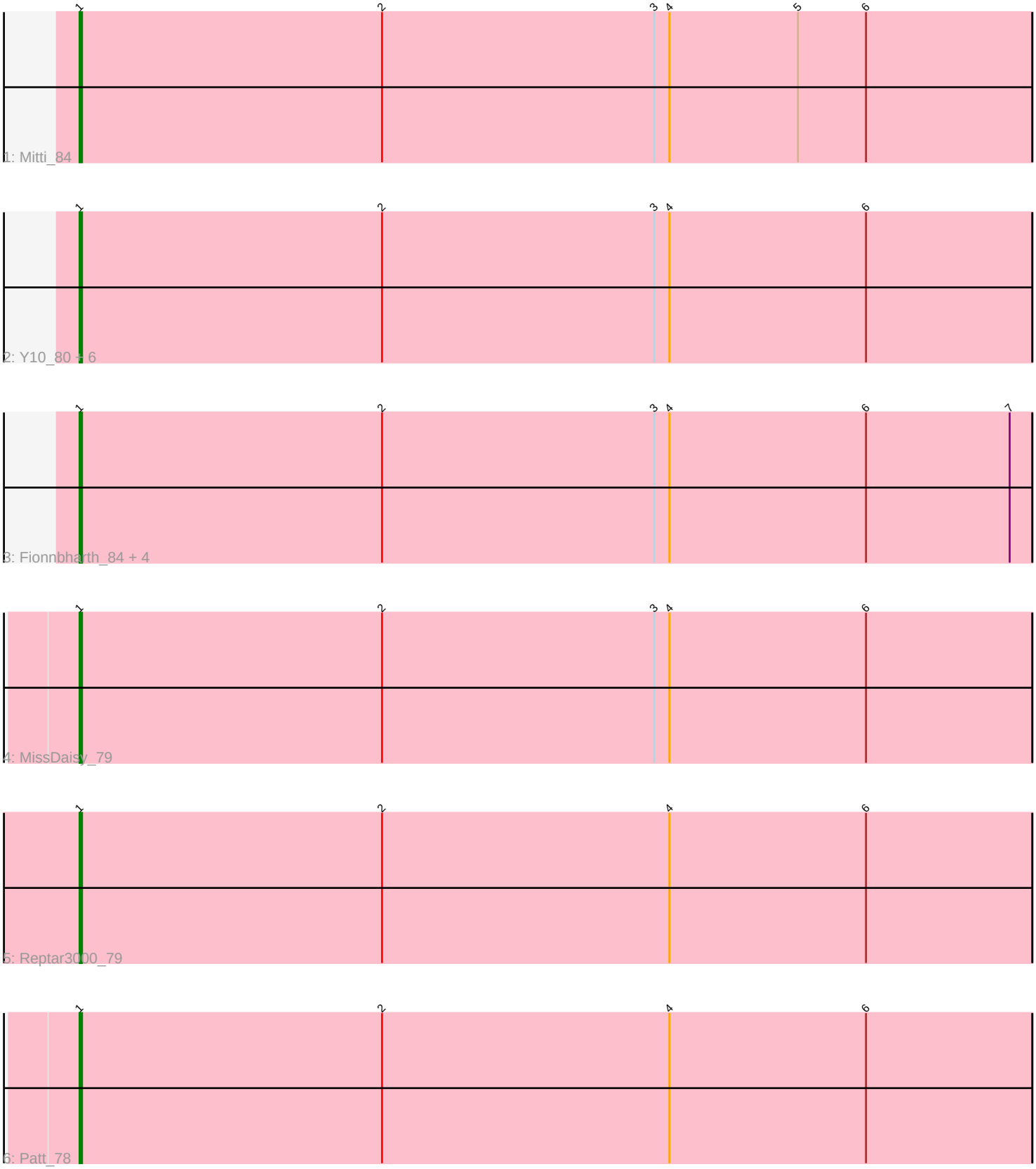
Pham 86927


1
2
3
4
5
6
1: Mitti_84
2: Y10_80 + 6
7
3: Fionnbharth_84 + 4
4: MissDaisy_79
5: Reptar3000_79
6: Patt_78

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 86927 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86927 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mitti_84
• Track 2 : Y10_80, Cheetobro_84, Y2_80, OmniCritical_84, Slarp_84, JF1_84, Chancellor_84
• Track 3 : Fionnbharth_84, Malthus_85, Eponine_86, Juliette_86, Wintermute_84
• Track 4 : MissDaisy_79
• Track 5 : Reptar3000_79
• Track 6 : Patt_78

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chancellor_84, Cheetobro_84, Eponine_86, Fionnbharth_84, JF1_84, Juliette_86, Malthus_85, MissDaisy_79, Mitti_84, OmniCritical_84, Patt_78, Reptar3000_79, Slarp_84, Wintermute_84, Y10_80, Y2_80,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chancellor_84 (K4), Cheetobro_84 (K4), Eponine_86 (K4), Fionnbharth_84 (K4), JF1_84 (K4), Juliette_86 (K4), Malthus_85 (K4), MissDaisy_79 (K4), Mitti_84 (K4), OmniCritical_84 (K4), Patt_78 (K4), Reptar3000_79 (K4), Slarp_84 (K4), Wintermute_84 (K4), Y10_80 (K4), Y2_80 (K4),

Summary by clusters:

There is one cluster represented in this pham: K4

Info for manual annotations of cluster K4:
•Start number 1 was manually annotated 16 times for cluster K4.

Gene Information:

Gene: Chancellor_84 Start: 52214, Stop: 52591, Start Num: 1
Candidate Starts for Chancellor_84:
(Start: 1 @52214 has 16 MA's), (2, 52334), (3, 52442), (4, 52448), (6, 52526),

Gene: Cheetobro_84 Start: 52350, Stop: 52727, Start Num: 1
Candidate Starts for Cheetobro_84:
(Start: 1 @52350 has 16 MA's), (2, 52470), (3, 52578), (4, 52584), (6, 52662),

Gene: Eponine_86 Start: 53196, Stop: 53573, Start Num: 1
Candidate Starts for Eponine_86:
(Start: 1 @53196 has 16 MA's), (2, 53316), (3, 53424), (4, 53430), (6, 53508), (7, 53565),

Gene: Fionnbharth_84 Start: 52594, Stop: 52971, Start Num: 1
Candidate Starts for Fionnbharth_84:
(Start: 1 @52594 has 16 MA's), (2, 52714), (3, 52822), (4, 52828), (6, 52906), (7, 52963),

Gene: JF1_84 Start: 52510, Stop: 52887, Start Num: 1
Candidate Starts for JF1_84:
(Start: 1 @52510 has 16 MA's), (2, 52630), (3, 52738), (4, 52744), (6, 52822),

Gene: Juliette_86 Start: 52625, Stop: 53002, Start Num: 1
Candidate Starts for Juliette_86:
(Start: 1 @52625 has 16 MA's), (2, 52745), (3, 52853), (4, 52859), (6, 52937), (7, 52994),

Gene: Malthus_85 Start: 52334, Stop: 52711, Start Num: 1
Candidate Starts for Malthus_85:
(Start: 1 @52334 has 16 MA's), (2, 52454), (3, 52562), (4, 52568), (6, 52646), (7, 52703),

Gene: MissDaisy_79 Start: 49813, Stop: 50190, Start Num: 1
Candidate Starts for MissDaisy_79:
(Start: 1 @49813 has 16 MA's), (2, 49933), (3, 50041), (4, 50047), (6, 50125),

Gene: Mitti_84 Start: 52488, Stop: 52865, Start Num: 1
Candidate Starts for Mitti_84:
(Start: 1 @52488 has 16 MA's), (2, 52608), (3, 52716), (4, 52722), (5, 52773), (6, 52800),

Gene: OmniCritical_84 Start: 52490, Stop: 52867, Start Num: 1
Candidate Starts for OmniCritical_84:
(Start: 1 @52490 has 16 MA's), (2, 52610), (3, 52718), (4, 52724), (6, 52802),

Gene: Patt_78 Start: 49972, Stop: 50349, Start Num: 1

Candidate Starts for Patt_78:
(Start: 1 @49972 has 16 MA's), (2, 50092), (4, 50206), (6, 50284),

Gene: Reptar3000_79 Start: 49962, Stop: 50339, Start Num: 1
Candidate Starts for Reptar3000_79:
(Start: 1 @49962 has 16 MA's), (2, 50082), (4, 50196), (6, 50274),

Gene: Slarp_84 Start: 52353, Stop: 52730, Start Num: 1
Candidate Starts for Slarp_84:
(Start: 1 @52353 has 16 MA's), (2, 52473), (3, 52581), (4, 52587), (6, 52665),

Gene: Wintermute_84 Start: 52562, Stop: 52939, Start Num: 1
Candidate Starts for Wintermute_84:
(Start: 1 @52562 has 16 MA's), (2, 52682), (3, 52790), (4, 52796), (6, 52874), (7, 52931),

Gene: Y10_80 Start: 52510, Stop: 52887, Start Num: 1
Candidate Starts for Y10_80:
(Start: 1 @52510 has 16 MA's), (2, 52630), (3, 52738), (4, 52744), (6, 52822),

Gene: Y2_80 Start: 52510, Stop: 52887, Start Num: 1
Candidate Starts for Y2_80:
(Start: 1 @52510 has 16 MA's), (2, 52630), (3, 52738), (4, 52744), (6, 52822),