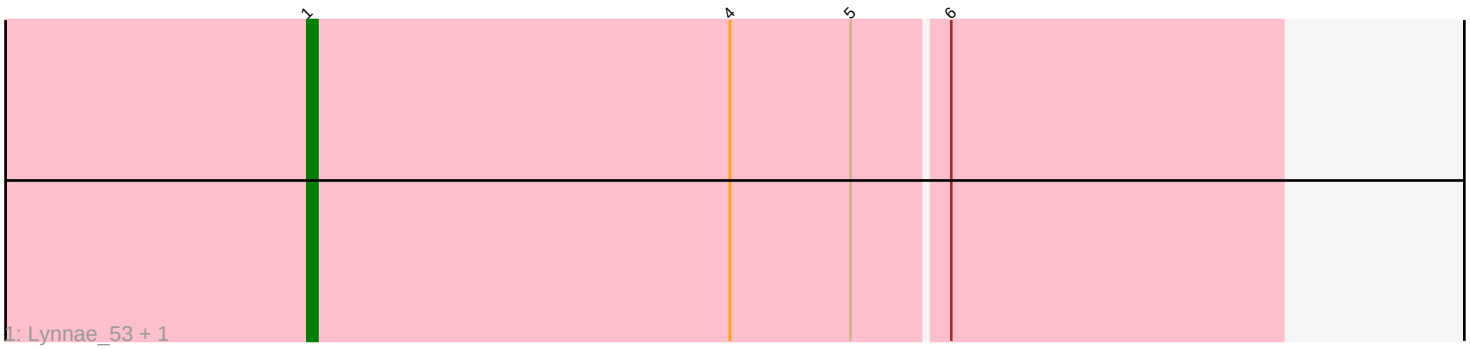
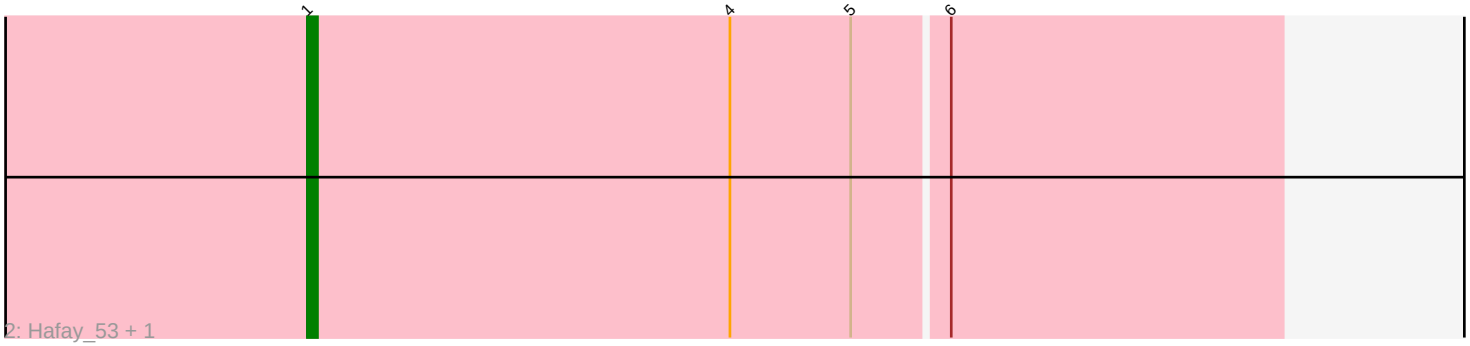
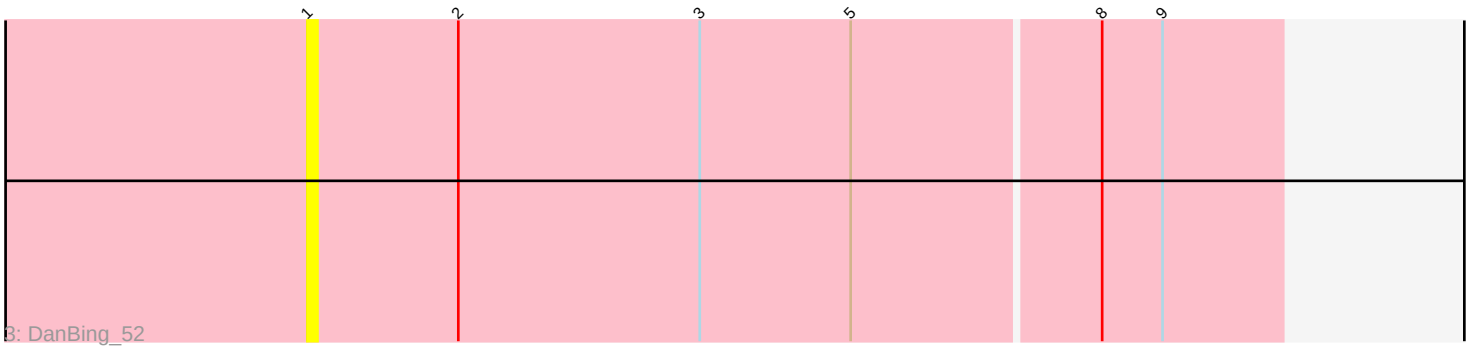
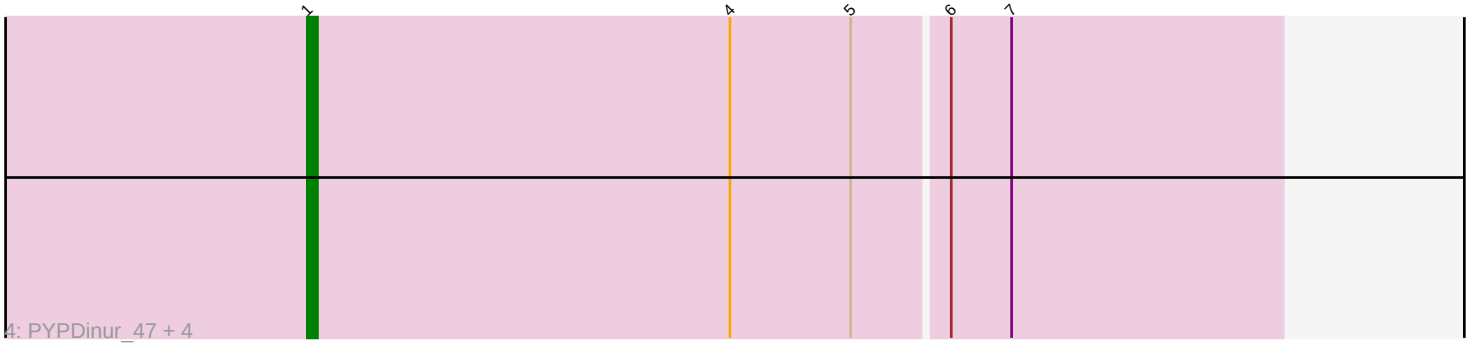
Pham 337360


1
4
5
6
1: Lynnae_53 + 1


1
4
5
6
2: Hafay_53 + 1


1
2
3
5
8
9
3: DanBing_52


1
4
5
6
7
4: PYPDinur_47 + 4

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 337360 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337360 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Lynnae_53, DyoEdafos_51
• Track 2 : Hafay_53, MkaliMitinis3_53
• Track 3 : DanBing_52
• Track 4 : PYPDinur_47, Douge_48, Douzhi_49, BrainDrainer_49, Sheng711_49

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BrainDrainer_49, DanBing_52, Douge_48, Douzhi_49, DyoEdafos_51, Hafay_53, Lynnae_53, MkaliMitinis3_53, PYPDinur_47, Sheng711_49,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrainDrainer_49 (L4), DanBing_52 (L2), Douge_48 (L4), Douzhi_49 (L4), DyoEdafos_51 (L4), Hafay_53 (L2), Lynnae_53 (L2), MkaliMitinis3_53 (L2), PYPDinur_47 (L4), Sheng711_49 (L4),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:
•Start number 1 was manually annotated 2 times for cluster L4.

Gene Information:

Gene: BrainDrainer_49 Start: 38188, Stop: 38283, Start Num: 1
Candidate Starts for BrainDrainer_49:
(Start: 1 @38188 has 3 MA's), (4, 38230), (5, 38242), (6, 38251), (7, 38257),

Gene: DanBing_52 Start: 39463, Stop: 39558, Start Num: 1
Candidate Starts for DanBing_52:
(Start: 1 @39463 has 3 MA's), (2, 39478), (3, 39502), (5, 39517), (8, 39541), (9, 39547),

Gene: Douge_48 Start: 37943, Stop: 38038, Start Num: 1
Candidate Starts for Douge_48:
(Start: 1 @37943 has 3 MA's), (4, 37985), (5, 37997), (6, 38006), (7, 38012),

Gene: Douzhi_49 Start: 38017, Stop: 38112, Start Num: 1
Candidate Starts for Douzhi_49:
(Start: 1 @38017 has 3 MA's), (4, 38059), (5, 38071), (6, 38080), (7, 38086),

Gene: DyoEdafos_51 Start: 38224, Stop: 38319, Start Num: 1
Candidate Starts for DyoEdafos_51:
(Start: 1 @38224 has 3 MA's), (4, 38266), (5, 38278), (6, 38287),

Gene: Hafay_53 Start: 39668, Stop: 39763, Start Num: 1
Candidate Starts for Hafay_53:
(Start: 1 @39668 has 3 MA's), (4, 39710), (5, 39722), (6, 39731),

Gene: Lynnae_53 Start: 39595, Stop: 39690, Start Num: 1
Candidate Starts for Lynnae_53:
(Start: 1 @39595 has 3 MA's), (4, 39637), (5, 39649), (6, 39658),

Gene: MkaliMitinis3_53 Start: 39636, Stop: 39764, Start Num: 1
Candidate Starts for MkaliMitinis3_53:
(Start: 1 @39636 has 3 MA's), (4, 39678), (5, 39690), (6, 39699),

Gene: PYPDinur_47 Start: 38049, Stop: 38144, Start Num: 1
Candidate Starts for PYPDinur_47:
(Start: 1 @38049 has 3 MA's), (4, 38091), (5, 38103), (6, 38112), (7, 38118),

Gene: Sheng711_49 Start: 38027, Stop: 38122, Start Num: 1
Candidate Starts for Sheng711_49:
(Start: 1 @38027 has 3 MA's), (4, 38069), (5, 38081), (6, 38090), (7, 38096),