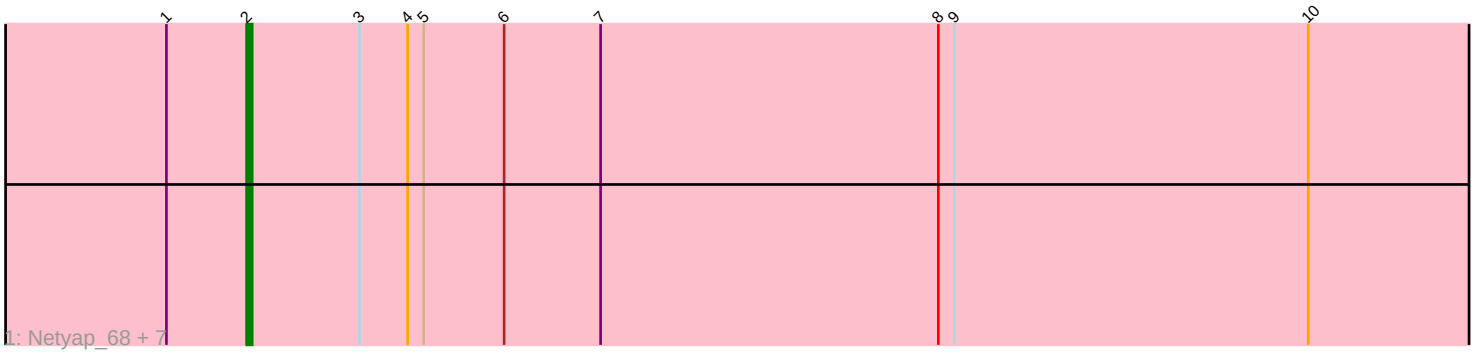
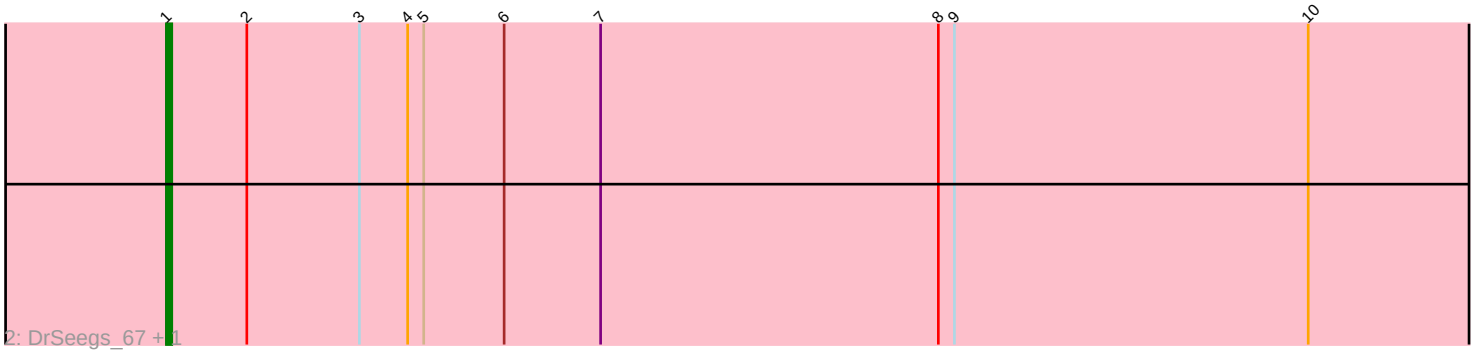
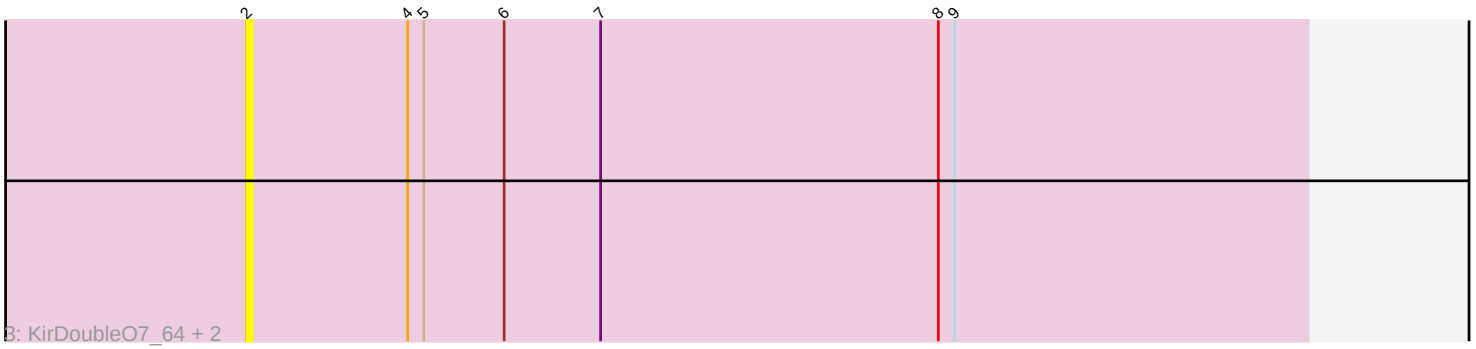
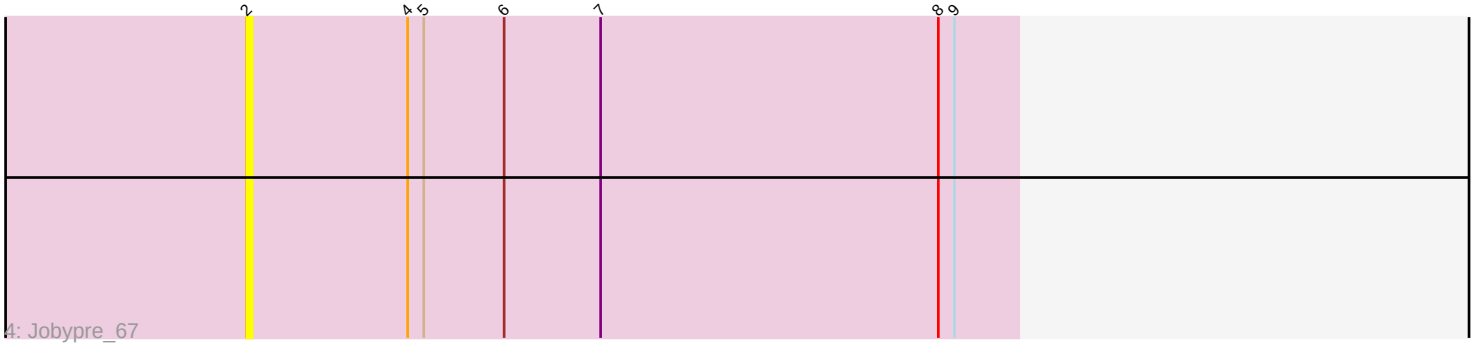
Pham 173329


1
2
3
4
5
6
7
8
9
10
1: Netyap_68 + 7


1
2
3
4
5
6
7
8
9
10
2: DrSeegs_67 + 1


2
4
5
6
7
8
9
3: KirDoubleO7_64 + 2


2
4
5
6
7
8
9
4: Jobypre_67

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 173329 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173329 has 14 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Netyap_68, Claus_67, DanBing_67, ZhongYanYuan_65, DHan_69, Sarshaun_67, Soap141_67, Hafay_68
• Track 2 : DrSeegs_67, Faith1_67
• Track 3 : KirDoubleO7_64, LiyuLake_65, BourbonZero_67
• Track 4 : Jobypre_67

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

Genes that call this "Most Annotated" start:
• DrSeegs_67, Faith1_67,

Genes that have the "Most Annotated" start but do not call it:
• Claus_67, DHan_69, DanBing_67, Hafay_68, Netyap_68, Sarshaun_67, Soap141_67, ZhongYanYuan_65,

Genes that do not have the "Most Annotated" start:
• BourbonZero_67, Jobypre_67, KirDoubleO7_64, LiyuLake_65,

Summary by start number:

Start 1:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 20.0% of time when present
• Phage (with cluster) where this start called: DrSeegs_67 (L2), Faith1_67 (L2),

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 85.7% of time when present

• Phage (with cluster) where this start called: BourbonZero_67 (L3), Claus_67 (L2), DHan_69 (L2), DanBing_67 (L2), Hafay_68 (L2), Jobypre_67 (L3), KirDoubleO7_64 (L3), LiyuLake_65 (L3), Netyap_68 (L2), Sarshaun_67 (L2), Soap141_67 (L2), ZhongYanYuan_65 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L3,

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 2 times for cluster L2.
•Start number 2 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: BourbonZero_67 Start: 46742, Stop: 46545, Start Num: 2
Candidate Starts for BourbonZero_67:
(Start: 2 @46742 has 1 MA's), (4, 46712), (5, 46709), (6, 46694), (7, 46676), (8, 46613), (9, 46610),

Gene: Claus_67 Start: 46665, Stop: 46405, Start Num: 2
Candidate Starts for Claus_67:
(Start: 1 @46680 has 2 MA's), (Start: 2 @46665 has 1 MA's), (3, 46644), (4, 46635), (5, 46632), (6, 46617), (7, 46599), (8, 46536), (9, 46533), (10, 46467),

Gene: DHan_69 Start: 46565, Stop: 46305, Start Num: 2
Candidate Starts for DHan_69:
(Start: 1 @46580 has 2 MA's), (Start: 2 @46565 has 1 MA's), (3, 46544), (4, 46535), (5, 46532), (6, 46517), (7, 46499), (8, 46436), (9, 46433), (10, 46367),

Gene: DanBing_67 Start: 46534, Stop: 46274, Start Num: 2
Candidate Starts for DanBing_67:
(Start: 1 @46549 has 2 MA's), (Start: 2 @46534 has 1 MA's), (3, 46513), (4, 46504), (5, 46501), (6, 46486), (7, 46468), (8, 46405), (9, 46402), (10, 46336),

Gene: DrSeegs_67 Start: 46599, Stop: 46324, Start Num: 1
Candidate Starts for DrSeegs_67:
(Start: 1 @46599 has 2 MA's), (Start: 2 @46584 has 1 MA's), (3, 46563), (4, 46554), (5, 46551), (6, 46536), (7, 46518), (8, 46455), (9, 46452), (10, 46386),

Gene: Faith1_67 Start: 46599, Stop: 46324, Start Num: 1
Candidate Starts for Faith1_67:
(Start: 1 @46599 has 2 MA's), (Start: 2 @46584 has 1 MA's), (3, 46563), (4, 46554), (5, 46551), (6, 46536), (7, 46518), (8, 46455), (9, 46452), (10, 46386),

Gene: Hafay_68 Start: 46688, Stop: 46428, Start Num: 2
Candidate Starts for Hafay_68:
(Start: 1 @46703 has 2 MA's), (Start: 2 @46688 has 1 MA's), (3, 46667), (4, 46658), (5, 46655), (6, 46640), (7, 46622), (8, 46559), (9, 46556), (10, 46490),

Gene: Jobypre_67 Start: 46694, Stop: 46551, Start Num: 2

Candidate Starts for Jobypre_67:
(Start: 2 @46694 has 1 MA's), (4, 46664), (5, 46661), (6, 46646), (7, 46628), (8, 46565), (9, 46562),

Gene: KirDoubleO7_64 Start: 46732, Stop: 46535, Start Num: 2
Candidate Starts for KirDoubleO7_64:
(Start: 2 @46732 has 1 MA's), (4, 46702), (5, 46699), (6, 46684), (7, 46666), (8, 46603), (9, 46600),

Gene: LiyuLake_65 Start: 46748, Stop: 46551, Start Num: 2
Candidate Starts for LiyuLake_65:
(Start: 2 @46748 has 1 MA's), (4, 46718), (5, 46715), (6, 46700), (7, 46682), (8, 46619), (9, 46616),

Gene: Netyap_68 Start: 46585, Stop: 46325, Start Num: 2
Candidate Starts for Netyap_68:
(Start: 1 @46600 has 2 MA's), (Start: 2 @46585 has 1 MA's), (3, 46564), (4, 46555), (5, 46552), (6, 46537), (7, 46519), (8, 46456), (9, 46453), (10, 46387),

Gene: Sarshaun_67 Start: 46680, Stop: 46420, Start Num: 2
Candidate Starts for Sarshaun_67:
(Start: 1 @46695 has 2 MA's), (Start: 2 @46680 has 1 MA's), (3, 46659), (4, 46650), (5, 46647), (6, 46632), (7, 46614), (8, 46551), (9, 46548), (10, 46482),

Gene: Soap141_67 Start: 46680, Stop: 46420, Start Num: 2
Candidate Starts for Soap141_67:
(Start: 1 @46695 has 2 MA's), (Start: 2 @46680 has 1 MA's), (3, 46659), (4, 46650), (5, 46647), (6, 46632), (7, 46614), (8, 46551), (9, 46548), (10, 46482),

Gene: ZhongYanYuan_65 Start: 46479, Stop: 46219, Start Num: 2
Candidate Starts for ZhongYanYuan_65:
(Start: 1 @46494 has 2 MA's), (Start: 2 @46479 has 1 MA's), (3, 46458), (4, 46449), (5, 46446), (6, 46431), (7, 46413), (8, 46350), (9, 46347), (10, 46281),