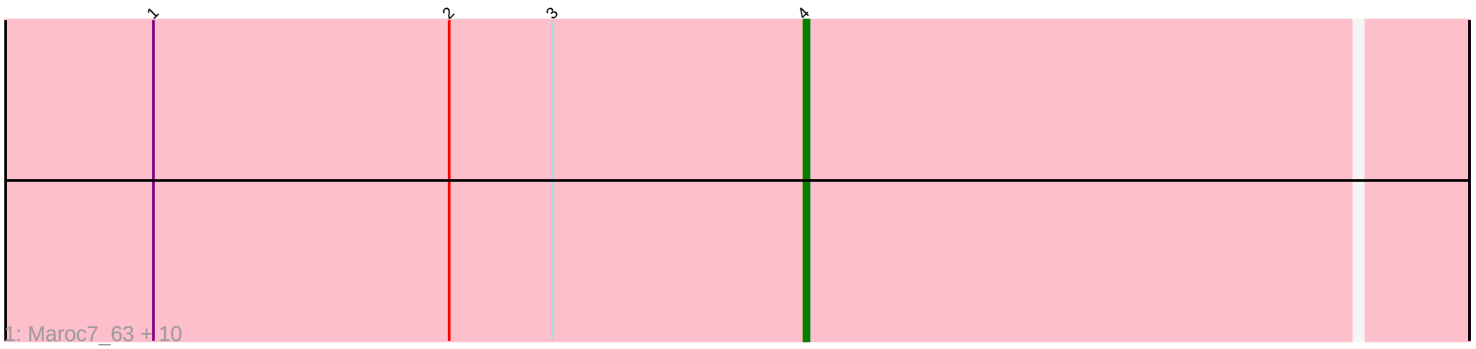
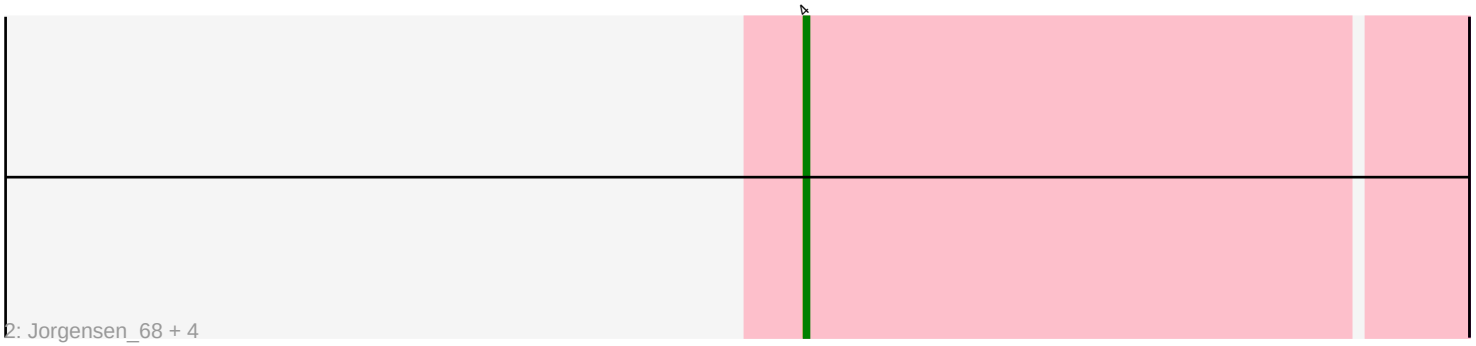
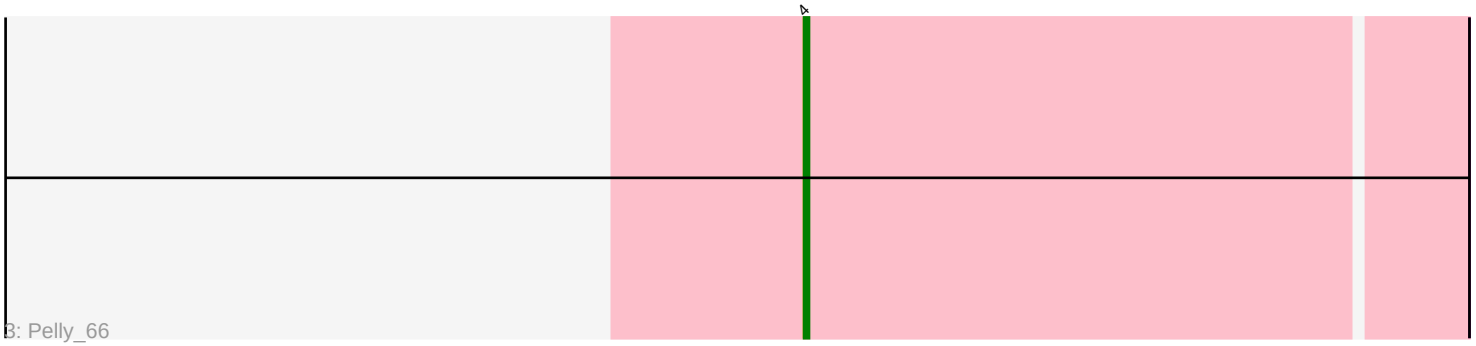
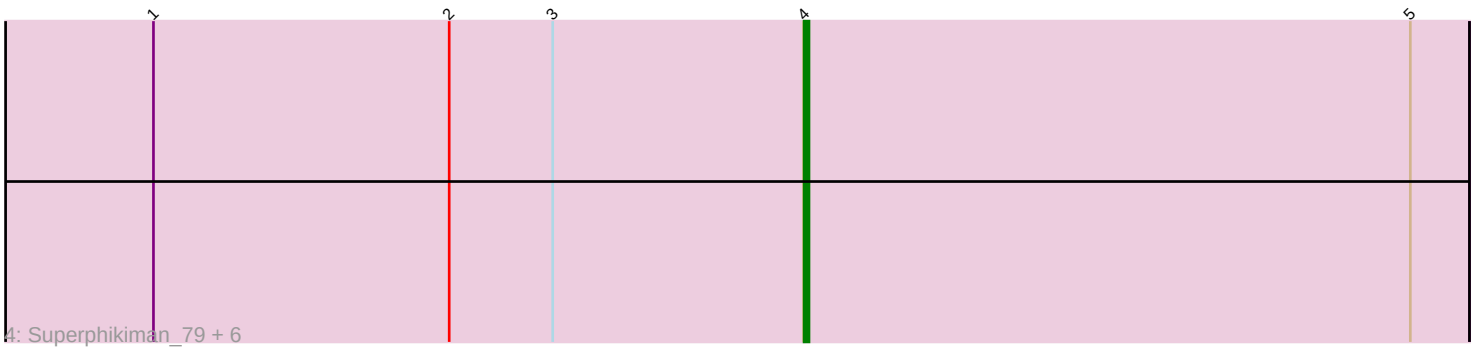
Pham 346106


1
2
3
4
1: Maroc7_63 + 10


4
2: Jorgensen_68 + 4


4
3: Pelly_66


1
2
3
4
5
4: Superphikiman_79 + 6

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 346106 Report

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

Pham number 346106 has 24 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Maroc7_63, Bigfoot_57, Graduation_69, CactusRose_65, Target_67, Blue_64, Makemake_70, Fascinus_59, Raid_63, Paraselene_65, Carlyle_65
• Track 2 : Jorgensen_68, Bethlehem_65, Dreamboat_66, Jasper_65, PherrisBueller_65
• Track 3 : Pelly_66
• Track 4 : Superphikiman_79, MiaZeal_82, Porcelain_81, Ariel_81, Squint_82, Lucky2013_79, Courthouse_77

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

The start number called the most often in the published annotations is 4, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_81, Bethlehem_65, Bigfoot_57, Blue_64, CactusRose_65, Carlyle_65, Courthouse_77, Dreamboat_66, Fascinus_59, Graduation_69, Jasper_65, Jorgensen_68, Lucky2013_79, Makemake_70, Maroc7_63, MiaZeal_82, Paraselene_65, Pelly_66, PherrisBueller_65, Porcelain_81, Raid_63, Squint_82, Superphikiman_79, Target_67,

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 4:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_81 (J), Bethlehem_65 (A1), Bigfoot_57 (A1), Blue_64 (A1), CactusRose_65 (A1), Carlyle_65 (A1), Courthouse_77

(J), Dreamboat_66 (A1), Fascinus_59 (A1), Graduation_69 (A1), Jasper_65 (A1), Jorgensen_68 (A1), Lucky2013_79 (J), Makemake_70 (A1), Maroc7_63 (A1), MiaZeal_82 (J), Paraselene_65 (A1), Pelly_66 (A1), PherrisBueller_65 (A1), Porcelain_81 (J), Raid_63 (A1), Squint_82 (J), Superphikiman_79 (J), Target_67 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:
•Start number 4 was manually annotated 17 times for cluster A1.

Info for manual annotations of cluster J:
•Start number 4 was manually annotated 7 times for cluster J.

Gene Information:

Gene: Ariel_81 Start: 48987, Stop: 48853, Start Num: 4
Candidate Starts for Ariel_81:
(1, 49119), (2, 49059), (3, 49038), (Start: 4 @48987 has 24 MA's), (5, 48864),

Gene: Bethlehem_65 Start: 43782, Stop: 43654, Start Num: 4
Candidate Starts for Bethlehem_65:
(Start: 4 @43782 has 24 MA's),

Gene: Bigfoot_57 Start: 41279, Stop: 41148, Start Num: 4
Candidate Starts for Bigfoot_57:
(1, 41411), (2, 41351), (3, 41330), (Start: 4 @41279 has 24 MA's),

Gene: Blue_64 Start: 42979, Stop: 42848, Start Num: 4
Candidate Starts for Blue_64:
(1, 43111), (2, 43051), (3, 43030), (Start: 4 @42979 has 24 MA's),

Gene: CactusRose_65 Start: 42299, Stop: 42168, Start Num: 4
Candidate Starts for CactusRose_65:
(1, 42431), (2, 42371), (3, 42350), (Start: 4 @42299 has 24 MA's),

Gene: Carlyle_65 Start: 41085, Stop: 40954, Start Num: 4
Candidate Starts for Carlyle_65:
(1, 41217), (2, 41157), (3, 41136), (Start: 4 @41085 has 24 MA's),

Gene: Courthouse_77 Start: 48587, Stop: 48453, Start Num: 4
Candidate Starts for Courthouse_77:
(1, 48719), (2, 48659), (3, 48638), (Start: 4 @48587 has 24 MA's), (5, 48464),

Gene: Dreamboat_66 Start: 41556, Stop: 41425, Start Num: 4
Candidate Starts for Dreamboat_66:
(Start: 4 @41556 has 24 MA's),

Gene: Fascinus_59 Start: 41793, Stop: 41662, Start Num: 4

Candidate Starts for Fascinus_59:
(1, 41925), (2, 41865), (3, 41844), (Start: 4 @41793 has 24 MA's),

Gene: Graduation_69 Start: 43625, Stop: 43494, Start Num: 4
Candidate Starts for Graduation_69:
(1, 43757), (2, 43697), (3, 43676), (Start: 4 @43625 has 24 MA's),

Gene: Jasper_65 Start: 41442, Stop: 41311, Start Num: 4
Candidate Starts for Jasper_65:
(Start: 4 @41442 has 24 MA's),

Gene: Jorgensen_68 Start: 42506, Stop: 42375, Start Num: 4
Candidate Starts for Jorgensen_68:
(Start: 4 @42506 has 24 MA's),

Gene: Lucky2013_79 Start: 49003, Stop: 48869, Start Num: 4
Candidate Starts for Lucky2013_79:
(1, 49135), (2, 49075), (3, 49054), (Start: 4 @49003 has 24 MA's), (5, 48880),

Gene: Makemake_70 Start: 44320, Stop: 44189, Start Num: 4
Candidate Starts for Makemake_70:
(1, 44452), (2, 44392), (3, 44371), (Start: 4 @44320 has 24 MA's),

Gene: Maroc7_63 Start: 42783, Stop: 42652, Start Num: 4
Candidate Starts for Maroc7_63:
(1, 42915), (2, 42855), (3, 42834), (Start: 4 @42783 has 24 MA's),

Gene: MiaZeal_82 Start: 49659, Stop: 49525, Start Num: 4
Candidate Starts for MiaZeal_82:
(1, 49791), (2, 49731), (3, 49710), (Start: 4 @49659 has 24 MA's), (5, 49536),

Gene: Paraselene_65 Start: 43112, Stop: 42981, Start Num: 4
Candidate Starts for Paraselene_65:
(1, 43244), (2, 43184), (3, 43163), (Start: 4 @43112 has 24 MA's),

Gene: Pelly_66 Start: 44260, Stop: 44129, Start Num: 4
Candidate Starts for Pelly_66:
(Start: 4 @44260 has 24 MA's),

Gene: PherrisBueller_65 Start: 41093, Stop: 40962, Start Num: 4
Candidate Starts for PherrisBueller_65:
(Start: 4 @41093 has 24 MA's),

Gene: Porcelain_81 Start: 49659, Stop: 49525, Start Num: 4
Candidate Starts for Porcelain_81:
(1, 49791), (2, 49731), (3, 49710), (Start: 4 @49659 has 24 MA's), (5, 49536),

Gene: Raid_63 Start: 42376, Stop: 42245, Start Num: 4
Candidate Starts for Raid_63:
(1, 42508), (2, 42448), (3, 42427), (Start: 4 @42376 has 24 MA's),

Gene: Squint_82 Start: 49778, Stop: 49644, Start Num: 4
Candidate Starts for Squint_82:

(1, 49910), (2, 49850), (3, 49829), (Start: 4 @49778 has 24 MA's), (5, 49655),

Gene: Superphikiman_79 Start: 48869, Stop: 48735, Start Num: 4
Candidate Starts for Superphikiman_79:
(1, 49001), (2, 48941), (3, 48920), (Start: 4 @48869 has 24 MA's), (5, 48746),

Gene: Target_67 Start: 42248, Stop: 42117, Start Num: 4
Candidate Starts for Target_67:
(1, 42380), (2, 42320), (3, 42299), (Start: 4 @42248 has 24 MA's),