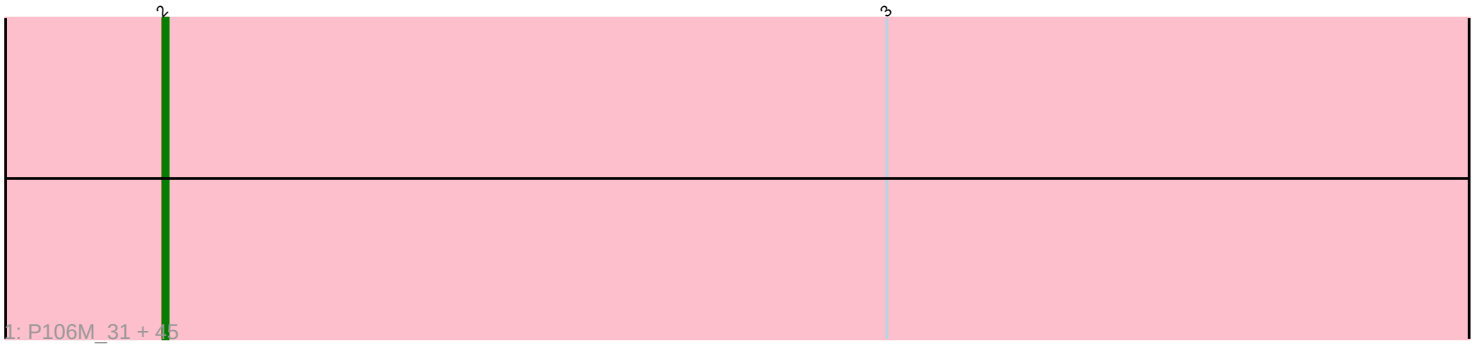
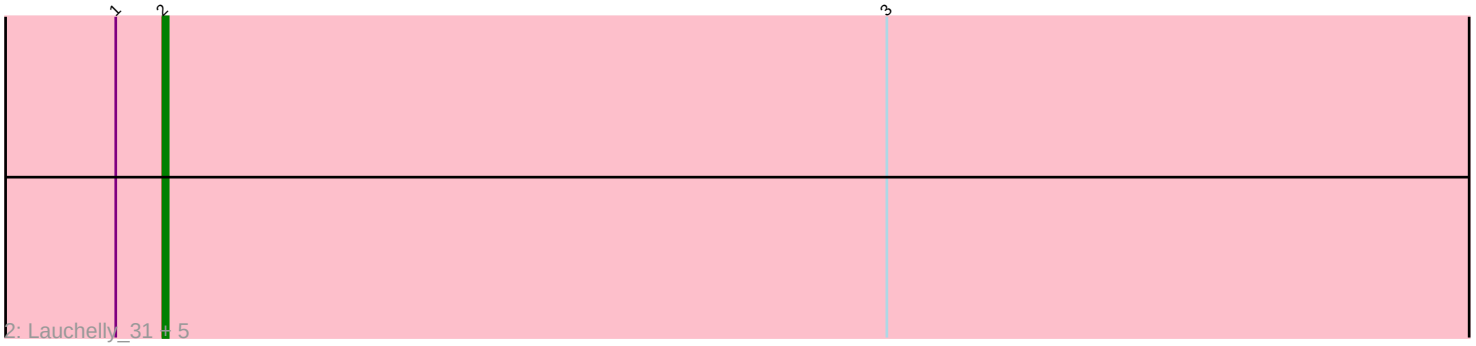
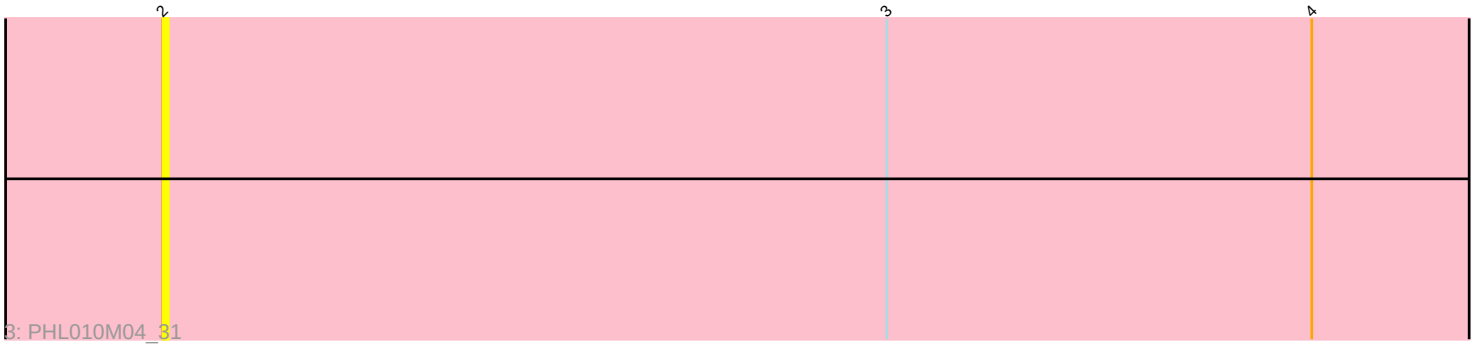
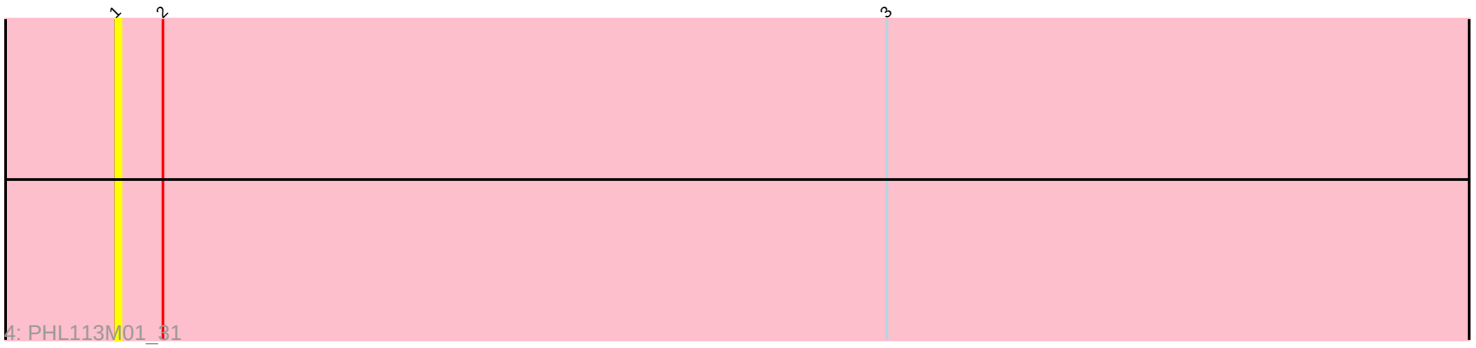
Pham 339741


2
3
1: P106M_31 + 45


1
2
3
2: Lauchelly_31 + 5


2
3
4
3: PHL010M04_31


1
2
3
4: PHL113M01_31

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 339741 Report

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

Pham number 339741 has 54 members, 11 are drafts.

Phages represented in each track:
• Track 1 : P106M_31, Keiki_31, P106L_31, P107A_31, PHL071N05_31, P100.1_31, Pirate_31, PAS50_32, Moyashi_31, P101A_31, Ouroboros_31, P100D_31, P9.1_31, Stormborn_31, P107C_31, P1.1_31, P105_31, MEAK_31, ATCC29399BT_31, Procrass1_31, LilBandit_31, P108C_31, P104A_31, PA6_32, SKKY_31, Solid_31, P106I_31, P106C_32, PHL112N00_31, PAD20_32, PHL067M10_31, ATCC29399BC_31, Enoki_31, Leviosa_31, PHL037M02_31, PHL060L00_31, P104B_31, BruceLethal_31, MrAK_31, P14.4_31, Cota_31, P106A_31, PHL111M01_31, Supernova_31, DrParker_31, Wizzo_31
• Track 2 : Lauchelly_31, Attacne_31, Kubed_31, Aquarius_31, QueenBey_31, P100A_31
• Track 3 : PHL010M04_31
• Track 4 : PHL113M01_31

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

The start number called the most often in the published annotations is 2, it was called in 43 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ATCC29399BC_31, ATCC29399BT_31, Aquarius_31, Attacne_31, BruceLethal_31, Cota_31, DrParker_31, Enoki_31, Keiki_31, Kubed_31, Lauchelly_31, Leviosa_31, LilBandit_31, MEAK_31, Moyashi_31, MrAK_31, Ouroboros_31, P1.1_31, P100.1_31, P100A_31, P100D_31, P101A_31, P104A_31, P104B_31, P105_31, P106A_31, P106C_32, P106I_31, P106L_31, P106M_31, P107A_31, P107C_31, P108C_31, P14.4_31, P9.1_31, PA6_32, PAD20_32, PAS50_32, PHL010M04_31, PHL037M02_31, PHL060L00_31, PHL067M10_31, PHL071N05_31, PHL111M01_31, PHL112N00_31, Pirate_31, Procrass1_31, QueenBey_31, SKKY_31, Solid_31, Stormborn_31, Supernova_31, Wizzo_31,

Genes that have the "Most Annotated" start but do not call it:
• PHL113M01_31,

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

Summary by start number:

Start 1:
• Found in 7 of 54 (13.0%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: PHL113M01_31 (BU),

Start 2:
• Found in 54 of 54 (100.0%) of genes in pham
• Manual Annotations of this start: 43 of 43
• Called 98.1% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_31 (BU), ATCC29399BT_31 (BU), Aquarius_31 (BU), Attacne_31 (BU), BruceLethal_31 (BU), Cota_31 (BU), DrParker_31 (BU), Enoki_31 (BU), Keiki_31 (BU), Kubed_31 (BU), Lauchelly_31 (BU), Leviosa_31 (BU), LilBandit_31 (BU), MEAK_31 (BU), Moyashi_31 (BU), MrAK_31 (BU), Ouroboros_31 (BU), P1.1_31 (BU), P100.1_31 (BU), P100A_31 (BU), P100D_31 (BU), P101A_31 (BU), P104A_31 (BU), P104B_31 (BU), P105_31 (BU), P106A_31 (BU), P106C_32 (BU), P106I_31 (BU), P106L_31 (BU), P106M_31 (BU), P107A_31 (BU), P107C_31 (BU), P108C_31 (BU), P14.4_31 (BU), P9.1_31 (BU), PA6_32 (BU), PAD20_32 (BU), PAS50_32 (BU), PHL010M04_31 (BU), PHL037M02_31 (BU), PHL060L00_31 (BU), PHL067M10_31 (BU), PHL071N05_31 (BU), PHL111M01_31 (BU), PHL112N00_31 (BU), Pirate_31 (BU), Procrass1_31 (BU), QueenBey_31 (BU), SKKY_31 (BU), Solid_31 (BU), Stormborn_31 (BU), Supernova_31 (BU), Wizzo_31 (BU),

Summary by clusters:

There is one cluster represented in this pham: BU

Info for manual annotations of cluster BU:
•Start number 2 was manually annotated 43 times for cluster BU.

Gene Information:

Gene: ATCC29399BC_31 Start: 21562, Stop: 21161, Start Num: 2
Candidate Starts for ATCC29399BC_31:
(Start: 2 @21562 has 43 MA's), (3, 21424),

Gene: ATCC29399BT_31 Start: 21562, Stop: 21161, Start Num: 2
Candidate Starts for ATCC29399BT_31:
(Start: 2 @21562 has 43 MA's), (3, 21424),

Gene: Aquarius_31 Start: 21035, Stop: 20634, Start Num: 2
Candidate Starts for Aquarius_31:
(1, 21044), (Start: 2 @21035 has 43 MA's), (3, 20897),

Gene: Attacne_31 Start: 21050, Stop: 20649, Start Num: 2
Candidate Starts for Attacne_31:
(1, 21059), (Start: 2 @21050 has 43 MA's), (3, 20912),

Gene: BruceLethal_31 Start: 21571, Stop: 21170, Start Num: 2
Candidate Starts for BruceLethal_31:
(Start: 2 @21571 has 43 MA's), (3, 21433),

Gene: Cota_31 Start: 21611, Stop: 21210, Start Num: 2
Candidate Starts for Cota_31:
(Start: 2 @21611 has 43 MA's), (3, 21473),

Gene: DrParker_31 Start: 21665, Stop: 21264, Start Num: 2
Candidate Starts for DrParker_31:
(Start: 2 @21665 has 43 MA's), (3, 21527),

Gene: Enoki_31 Start: 21595, Stop: 21194, Start Num: 2
Candidate Starts for Enoki_31:
(Start: 2 @21595 has 43 MA's), (3, 21457),

Gene: Keiki_31 Start: 21510, Stop: 21109, Start Num: 2
Candidate Starts for Keiki_31:
(Start: 2 @21510 has 43 MA's), (3, 21372),

Gene: Kubed_31 Start: 21566, Stop: 21165, Start Num: 2
Candidate Starts for Kubed_31:
(1, 21575), (Start: 2 @21566 has 43 MA's), (3, 21428),

Gene: Lauchelly_31 Start: 21615, Stop: 21214, Start Num: 2
Candidate Starts for Lauchelly_31:
(1, 21624), (Start: 2 @21615 has 43 MA's), (3, 21477),

Gene: Leviosa_31 Start: 21611, Stop: 21210, Start Num: 2
Candidate Starts for Leviosa_31:
(Start: 2 @21611 has 43 MA's), (3, 21473),

Gene: LilBandit_31 Start: 21405, Stop: 21004, Start Num: 2
Candidate Starts for LilBandit_31:
(Start: 2 @21405 has 43 MA's), (3, 21267),

Gene: MEAK_31 Start: 21272, Stop: 20871, Start Num: 2
Candidate Starts for MEAK_31:
(Start: 2 @21272 has 43 MA's), (3, 21134),

Gene: Moyashi_31 Start: 21377, Stop: 20976, Start Num: 2
Candidate Starts for Moyashi_31:
(Start: 2 @21377 has 43 MA's), (3, 21239),

Gene: MrAK_31 Start: 21382, Stop: 20981, Start Num: 2
Candidate Starts for MrAK_31:
(Start: 2 @21382 has 43 MA's), (3, 21244),

Gene: Ouroboros_31 Start: 21592, Stop: 21191, Start Num: 2
Candidate Starts for Ouroboros_31:
(Start: 2 @21592 has 43 MA's), (3, 21454),

Gene: P1.1_31 Start: 21610, Stop: 21209, Start Num: 2
Candidate Starts for P1.1_31:
(Start: 2 @21610 has 43 MA's), (3, 21472),

Gene: P100.1_31 Start: 21647, Stop: 21252, Start Num: 2
Candidate Starts for P100.1_31:
(Start: 2 @21647 has 43 MA's), (3, 21509),

Gene: P100A_31 Start: 21597, Stop: 21196, Start Num: 2
Candidate Starts for P100A_31:
(1, 21606), (Start: 2 @21597 has 43 MA's), (3, 21459),

Gene: P100D_31 Start: 21590, Stop: 21189, Start Num: 2
Candidate Starts for P100D_31:
(Start: 2 @21590 has 43 MA's), (3, 21452),

Gene: P101A_31 Start: 21616, Stop: 21215, Start Num: 2
Candidate Starts for P101A_31:
(Start: 2 @21616 has 43 MA's), (3, 21478),

Gene: P104A_31 Start: 21385, Stop: 20984, Start Num: 2
Candidate Starts for P104A_31:
(Start: 2 @21385 has 43 MA's), (3, 21247),

Gene: P104B_31 Start: 21580, Stop: 21179, Start Num: 2
Candidate Starts for P104B_31:
(Start: 2 @21580 has 43 MA's), (3, 21442),

Gene: P105_31 Start: 21245, Stop: 20844, Start Num: 2
Candidate Starts for P105_31:
(Start: 2 @21245 has 43 MA's), (3, 21107),

Gene: P106A_31 Start: 21671, Stop: 21270, Start Num: 2
Candidate Starts for P106A_31:
(Start: 2 @21671 has 43 MA's), (3, 21533),

Gene: P106C_32 Start: 21609, Stop: 21208, Start Num: 2
Candidate Starts for P106C_32:
(Start: 2 @21609 has 43 MA's), (3, 21471),

Gene: P106I_31 Start: 21438, Stop: 21037, Start Num: 2
Candidate Starts for P106I_31:
(Start: 2 @21438 has 43 MA's), (3, 21300),

Gene: P106L_31 Start: 21609, Stop: 21208, Start Num: 2
Candidate Starts for P106L_31:
(Start: 2 @21609 has 43 MA's), (3, 21471),

Gene: P106M_31 Start: 21609, Stop: 21208, Start Num: 2
Candidate Starts for P106M_31:
(Start: 2 @21609 has 43 MA's), (3, 21471),

Gene: P107A_31 Start: 21625, Stop: 21224, Start Num: 2

Candidate Starts for P107A_31:
(Start: 2 @21625 has 43 MA's), (3, 21487),

Gene: P107C_31 Start: 21562, Stop: 21161, Start Num: 2
Candidate Starts for P107C_31:
(Start: 2 @21562 has 43 MA's), (3, 21424),

Gene: P108C_31 Start: 21576, Stop: 21175, Start Num: 2
Candidate Starts for P108C_31:
(Start: 2 @21576 has 43 MA's), (3, 21438),

Gene: P14.4_31 Start: 21578, Stop: 21177, Start Num: 2
Candidate Starts for P14.4_31:
(Start: 2 @21578 has 43 MA's), (3, 21440),

Gene: P9.1_31 Start: 21606, Stop: 21205, Start Num: 2
Candidate Starts for P9.1_31:
(Start: 2 @21606 has 43 MA's), (3, 21468),

Gene: PA6_32 Start: 21570, Stop: 21169, Start Num: 2
Candidate Starts for PA6_32:
(Start: 2 @21570 has 43 MA's), (3, 21432),

Gene: PAD20_32 Start: 21350, Stop: 20949, Start Num: 2
Candidate Starts for PAD20_32:
(Start: 2 @21350 has 43 MA's), (3, 21212),

Gene: PAS50_32 Start: 21515, Stop: 21114, Start Num: 2
Candidate Starts for PAS50_32:
(Start: 2 @21515 has 43 MA's), (3, 21377),

Gene: PHL010M04_31 Start: 21590, Stop: 21189, Start Num: 2
Candidate Starts for PHL010M04_31:
(Start: 2 @21590 has 43 MA's), (3, 21452), (4, 21371),

Gene: PHL037M02_31 Start: 21574, Stop: 21173, Start Num: 2
Candidate Starts for PHL037M02_31:
(Start: 2 @21574 has 43 MA's), (3, 21436),

Gene: PHL060L00_31 Start: 21420, Stop: 21019, Start Num: 2
Candidate Starts for PHL060L00_31:
(Start: 2 @21420 has 43 MA's), (3, 21282),

Gene: PHL067M10_31 Start: 21540, Stop: 21139, Start Num: 2
Candidate Starts for PHL067M10_31:
(Start: 2 @21540 has 43 MA's), (3, 21402),

Gene: PHL071N05_31 Start: 21599, Stop: 21198, Start Num: 2
Candidate Starts for PHL071N05_31:
(Start: 2 @21599 has 43 MA's), (3, 21461),

Gene: PHL111M01_31 Start: 21297, Stop: 20896, Start Num: 2
Candidate Starts for PHL111M01_31:

(Start: 2 @21297 has 43 MA's), (3, 21159),

Gene: PHL112N00_31 Start: 21607, Stop: 21206, Start Num: 2
Candidate Starts for PHL112N00_31:
(Start: 2 @21607 has 43 MA's), (3, 21469),

Gene: PHL113M01_31 Start: 21355, Stop: 20945, Start Num: 1
Candidate Starts for PHL113M01_31:
(1, 21355), (Start: 2 @21346 has 43 MA's), (3, 21208),

Gene: Pirate_31 Start: 21495, Stop: 21094, Start Num: 2
Candidate Starts for Pirate_31:
(Start: 2 @21495 has 43 MA's), (3, 21357),

Gene: Procrass1_31 Start: 21569, Stop: 21168, Start Num: 2
Candidate Starts for Procrass1_31:
(Start: 2 @21569 has 43 MA's), (3, 21431),

Gene: QueenBey_31 Start: 21552, Stop: 21151, Start Num: 2
Candidate Starts for QueenBey_31:
(1, 21561), (Start: 2 @21552 has 43 MA's), (3, 21414),

Gene: SKKY_31 Start: 21351, Stop: 20953, Start Num: 2
Candidate Starts for SKKY_31:
(Start: 2 @21351 has 43 MA's), (3, 21213),

Gene: Solid_31 Start: 21582, Stop: 21181, Start Num: 2
Candidate Starts for Solid_31:
(Start: 2 @21582 has 43 MA's), (3, 21444),

Gene: Stormborn_31 Start: 21189, Stop: 20788, Start Num: 2
Candidate Starts for Stormborn_31:
(Start: 2 @21189 has 43 MA's), (3, 21051),

Gene: Supernova_31 Start: 21353, Stop: 20952, Start Num: 2
Candidate Starts for Supernova_31:
(Start: 2 @21353 has 43 MA's), (3, 21215),

Gene: Wizzo_31 Start: 21078, Stop: 20677, Start Num: 2
Candidate Starts for Wizzo_31:
(Start: 2 @21078 has 43 MA's), (3, 20940),