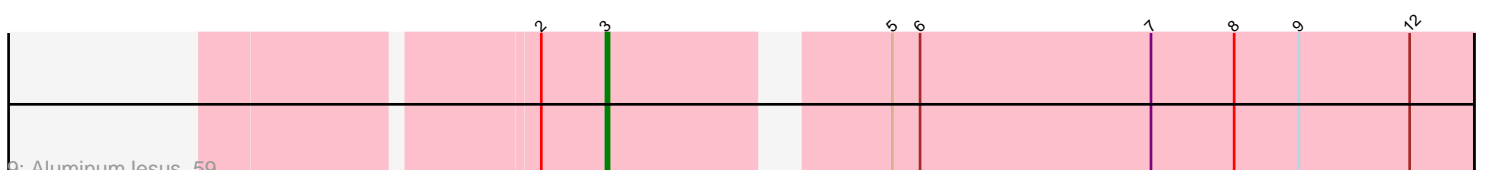
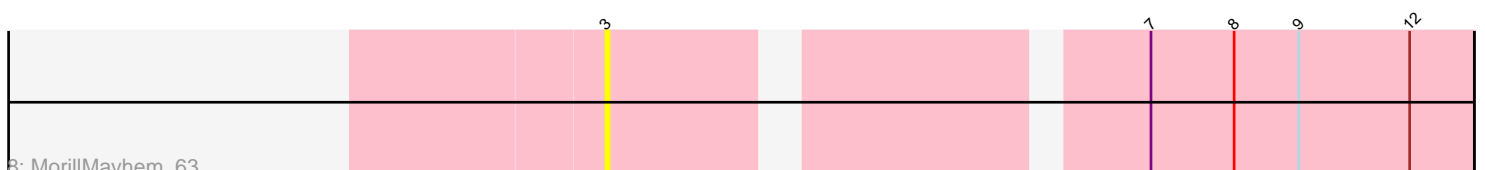
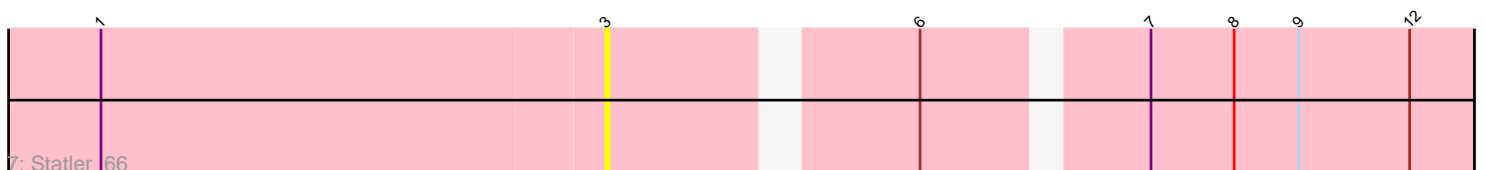
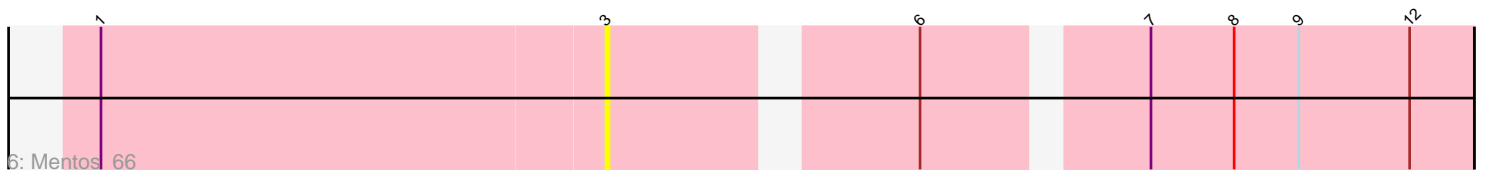
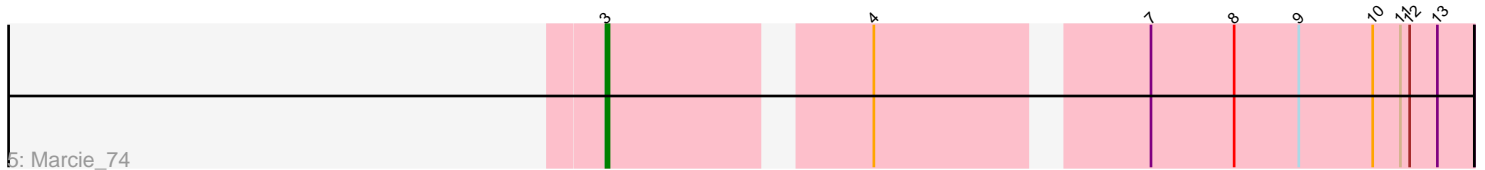
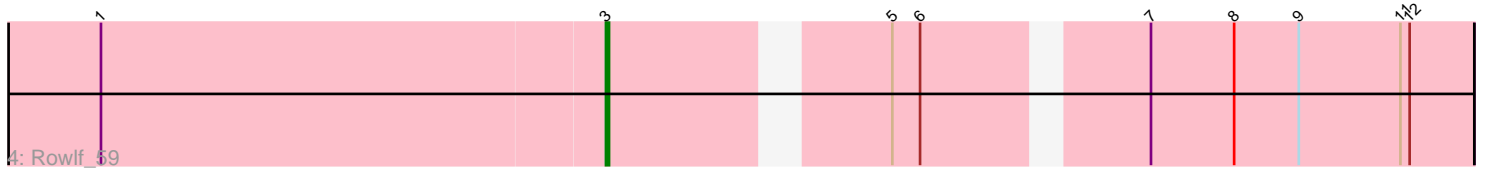
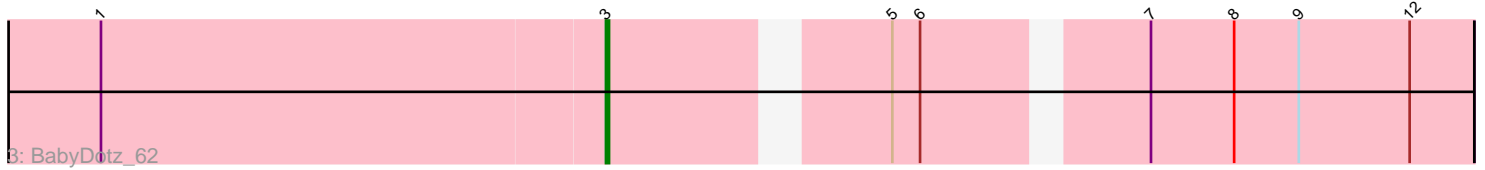
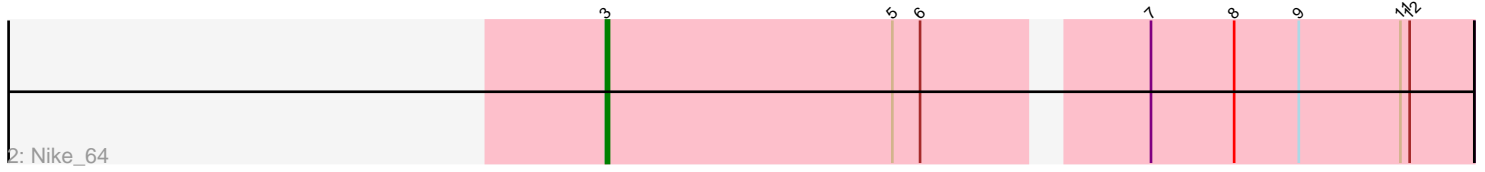


Pham 214642



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 214642 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214642 has 21 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Phabia_62, Teehee_63, Casend_63, DonaldDuck_63, Zhafia_66, Viceroy_61, Wheelie_62, Llemily_63, Rudy_60, Wayne3_64, Sillytadpoles_64, Jehoshaphat_64, Quammi_60
- Track 2 : Nike_64
- Track 3 : BabyDotz_62
- Track 4 : Rowlf_59
- Track 5 : Marcie_74
- Track 6 : Mentos_66
- Track 7 : Statler_66
- Track 8 : MorillMayhem_63
- Track 9 : AluminumJesus_59

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_59, BabyDotz_62, Casend_63, DonaldDuck_63, Jehoshaphat_64, Llemily_63, Marcie_74, Mentos_66, MorillMayhem_63, Nike_64, Phabia_62, Quammi_60, Rowlf_59, Rudy_60, Sillytadpoles_64, Statler_66, Teehee_63, Viceroy_61, Wayne3_64, Wheelie_62, Zhafia_66,

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 3:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_59 (EG), BabyDotz_62 (EG), Casend_63 (EG), DonaldDuck_63 (EG), Jehoshaphat_64 (EG), Llemily_63 (EG), Marcie_74 (EG), Mentos_66 (EG), MorillMayhem_63 (EG), Nike_64 (EG), Phabia_62 (EG), Quammi_60 (EG), Rowlf_59 (EG), Rudy_60 (EG), Sillytadpoles_64 (EG), Statler_66 (EG), Teehee_63 (EG), Viceroy_61 (EG), Wayne3_64 (EG), Wheelie_62 (EG), Zhafia_66 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 3 was manually annotated 14 times for cluster EG.

Gene Information:

Gene: AluminumJesus_59 Start: 43763, Stop: 43497, Start Num: 3

Candidate Starts for AluminumJesus_59:

(2, 43784), (Start: 3 @43763 has 14 MA's), (5, 43685), (6, 43676), (7, 43601), (8, 43574), (9, 43553), (12, 43517),

Gene: BabyDotz_62 Start: 45150, Stop: 44896, Start Num: 3

Candidate Starts for BabyDotz_62:

(1, 45312), (Start: 3 @45150 has 14 MA's), (5, 45072), (6, 45063), (7, 45000), (8, 44973), (9, 44952), (12, 44916),

Gene: Casend_63 Start: 44669, Stop: 44415, Start Num: 3

Candidate Starts for Casend_63:

(Start: 3 @44669 has 14 MA's), (5, 44591), (6, 44582), (7, 44519), (8, 44492), (9, 44471), (12, 44435),

Gene: DonaldDuck_63 Start: 44018, Stop: 43764, Start Num: 3

Candidate Starts for DonaldDuck_63:

(Start: 3 @44018 has 14 MA's), (5, 43940), (6, 43931), (7, 43868), (8, 43841), (9, 43820), (12, 43784),

Gene: Jehoshaphat_64 Start: 44937, Stop: 44683, Start Num: 3

Candidate Starts for Jehoshaphat_64:

(Start: 3 @44937 has 14 MA's), (5, 44859), (6, 44850), (7, 44787), (8, 44760), (9, 44739), (12, 44703),

Gene: Llemily_63 Start: 43713, Stop: 43459, Start Num: 3

Candidate Starts for Llemily_63:

(Start: 3 @43713 has 14 MA's), (5, 43635), (6, 43626), (7, 43563), (8, 43536), (9, 43515), (12, 43479),

Gene: Marcie_74 Start: 45324, Stop: 45067, Start Num: 3

Candidate Starts for Marcie_74:

(Start: 3 @45324 has 14 MA's), (4, 45249), (7, 45171), (8, 45144), (9, 45123), (10, 45099), (11, 45090), (12, 45087), (13, 45078),

Gene: Mentos_66 Start: 45555, Stop: 45301, Start Num: 3

Candidate Starts for Mentos_66:

(1, 45717), (Start: 3 @45555 has 14 MA's), (6, 45468), (7, 45405), (8, 45378), (9, 45357), (12, 45321),

Gene: MorillMayhem_63 Start: 44825, Stop: 44571, Start Num: 3
Candidate Starts for MorillMayhem_63:
(Start: 3 @44825 has 14 MA's), (7, 44675), (8, 44648), (9, 44627), (12, 44591),

Gene: Nike_64 Start: 45316, Stop: 45047, Start Num: 3
Candidate Starts for Nike_64:
(Start: 3 @45316 has 14 MA's), (5, 45223), (6, 45214), (7, 45151), (8, 45124), (9, 45103), (11, 45070),
(12, 45067),

Gene: Phabia_62 Start: 44128, Stop: 43874, Start Num: 3
Candidate Starts for Phabia_62:
(Start: 3 @44128 has 14 MA's), (5, 44050), (6, 44041), (7, 43978), (8, 43951), (9, 43930), (12, 43894),

Gene: Quammi_60 Start: 43828, Stop: 43574, Start Num: 3
Candidate Starts for Quammi_60:
(Start: 3 @43828 has 14 MA's), (5, 43750), (6, 43741), (7, 43678), (8, 43651), (9, 43630), (12, 43594),

Gene: Rowlf_59 Start: 43771, Stop: 43517, Start Num: 3
Candidate Starts for Rowlf_59:
(1, 43933), (Start: 3 @43771 has 14 MA's), (5, 43693), (6, 43684), (7, 43621), (8, 43594), (9, 43573),
(11, 43540), (12, 43537),

Gene: Rudy_60 Start: 43864, Stop: 43610, Start Num: 3
Candidate Starts for Rudy_60:
(Start: 3 @43864 has 14 MA's), (5, 43786), (6, 43777), (7, 43714), (8, 43687), (9, 43666), (12, 43630),

Gene: Sillytadpoles_64 Start: 43701, Stop: 43447, Start Num: 3
Candidate Starts for Sillytadpoles_64:
(Start: 3 @43701 has 14 MA's), (5, 43623), (6, 43614), (7, 43551), (8, 43524), (9, 43503), (12, 43467),

Gene: Statler_66 Start: 44487, Stop: 44233, Start Num: 3
Candidate Starts for Statler_66:
(1, 44649), (Start: 3 @44487 has 14 MA's), (6, 44400), (7, 44337), (8, 44310), (9, 44289), (12, 44253),

Gene: Teehee_63 Start: 44934, Stop: 44680, Start Num: 3
Candidate Starts for Teehee_63:
(Start: 3 @44934 has 14 MA's), (5, 44856), (6, 44847), (7, 44784), (8, 44757), (9, 44736), (12, 44700),

Gene: Viceroy_61 Start: 43834, Stop: 43580, Start Num: 3
Candidate Starts for Viceroy_61:
(Start: 3 @43834 has 14 MA's), (5, 43756), (6, 43747), (7, 43684), (8, 43657), (9, 43636), (12, 43600),

Gene: Wayne3_64 Start: 44697, Stop: 44443, Start Num: 3
Candidate Starts for Wayne3_64:
(Start: 3 @44697 has 14 MA's), (5, 44619), (6, 44610), (7, 44547), (8, 44520), (9, 44499), (12, 44463),

Gene: Wheelie_62 Start: 44018, Stop: 43764, Start Num: 3
Candidate Starts for Wheelie_62:
(Start: 3 @44018 has 14 MA's), (5, 43940), (6, 43931), (7, 43868), (8, 43841), (9, 43820), (12, 43784),

Gene: Zhafia_66 Start: 44498, Stop: 44244, Start Num: 3
Candidate Starts for Zhafia_66:

(Start: 3 @44498 has 14 MA's), (5, 44420), (6, 44411), (7, 44348), (8, 44321), (9, 44300), (12, 44264),