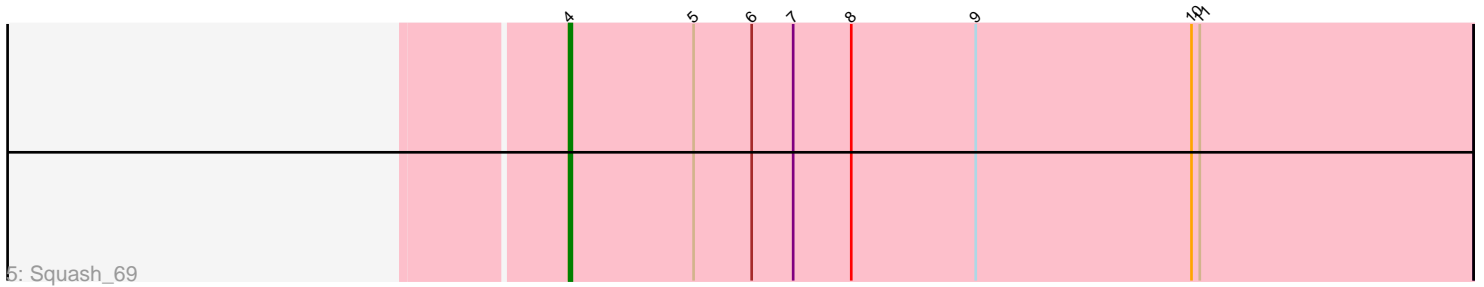
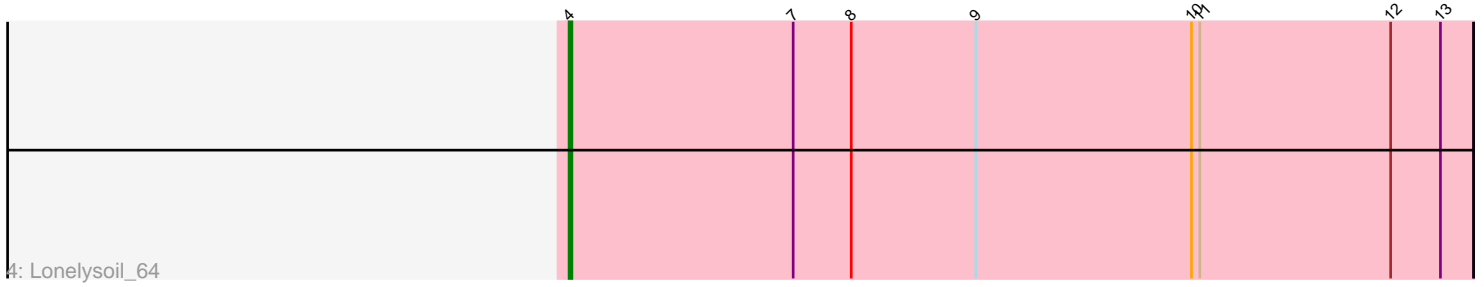
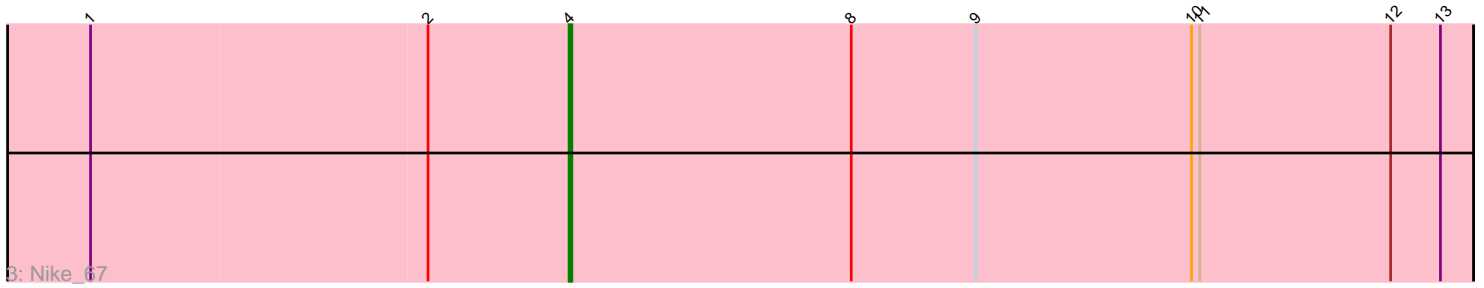
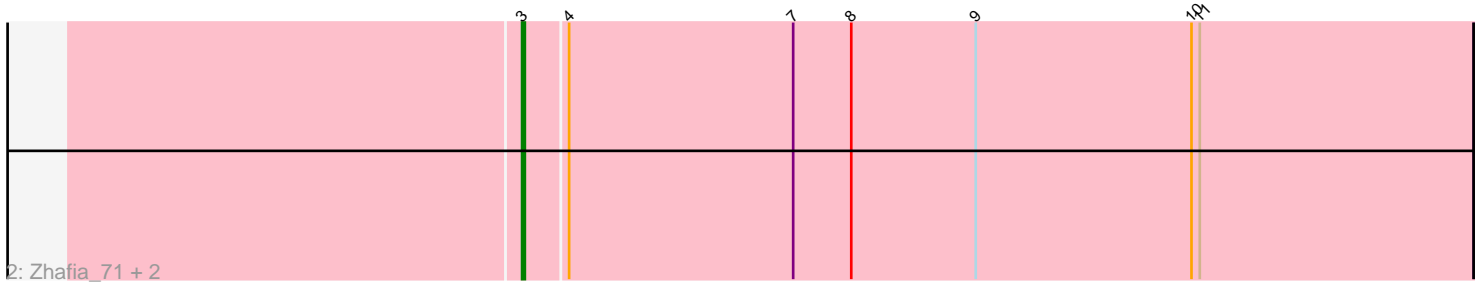
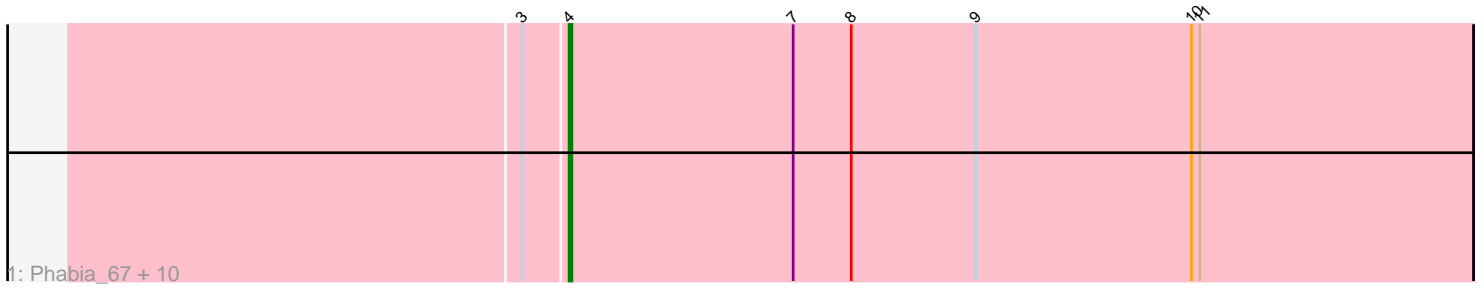


Pham 5124



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 5124 Report

This analysis was run 07/09/24 on database version 566.

Pham number 5124 has 17 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Phabia_67, DonaldDuck_68, Teehee_68, Viceroy_66, Casend_68, Rudy_65, Wayne3_69, Wheelie_67, Quammi_65, Jehoshaphat_69, Llemily_68
- Track 2 : Zhafia_71, Sillytadpoles_69, Judebell_67
- Track 3 : Nike_67
- Track 4 : Lonelysoil_64
- Track 5 : Squash_69

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Casend_68, DonaldDuck_68, Jehoshaphat_69, Llemily_68, Lonelysoil_64, Nike_67, Phabia_67, Quammi_65, Rudy_65, Squash_69, Teehee_68, Viceroy_66, Wayne3_69, Wheelie_67,

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

- Judebell_67, Sillytadpoles_69, Zhafia_71,

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

-

Summary by start number:

Start 3:

- Found in 14 of 17 (82.4%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Judebell_67 (EG), Sillytadpoles_69 (EG), Zhafia_71 (EG),

Start 4:

- Found in 17 of 17 (100.0%) of genes in pham

- Manual Annotations of this start: 12 of 13
- Called 82.4% of time when present
- Phage (with cluster) where this start called: Casend_68 (EG), DonaldDuck_68 (EG), Jehoshaphat_69 (EG), Llemily_68 (EG), Lonelysoil_64 (EG), Nike_67 (EG), Phabia_67 (EG), Quammi_65 (EG), Rudy_65 (EG), Squash_69 (EG), Teehee_68 (EG), Viceroy_66 (EG), Wayne3_69 (EG), Wheelie_67 (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 1 time for cluster EG.
- Start number 4 was manually annotated 12 times for cluster EG.

Gene Information:

Gene: Casend_68 Start: 45792, Stop: 45466, Start Num: 4

Candidate Starts for Casend_68:

(Start: 3 @45807 has 1 MA's), (Start: 4 @45792 has 12 MA's), (7, 45711), (8, 45690), (9, 45645), (10, 45567), (11, 45564),

Gene: DonaldDuck_68 Start: 45141, Stop: 44815, Start Num: 4

Candidate Starts for DonaldDuck_68:

(Start: 3 @45156 has 1 MA's), (Start: 4 @45141 has 12 MA's), (7, 45060), (8, 45039), (9, 44994), (10, 44916), (11, 44913),

Gene: Jehoshaphat_69 Start: 46060, Stop: 45734, Start Num: 4

Candidate Starts for Jehoshaphat_69:

(Start: 3 @46075 has 1 MA's), (Start: 4 @46060 has 12 MA's), (7, 45979), (8, 45958), (9, 45913), (10, 45835), (11, 45832),

Gene: Judebell_67 Start: 45256, Stop: 44915, Start Num: 3

Candidate Starts for Judebell_67:

(Start: 3 @45256 has 1 MA's), (Start: 4 @45241 has 12 MA's), (7, 45160), (8, 45139), (9, 45094), (10, 45016), (11, 45013),

Gene: Llemily_68 Start: 44836, Stop: 44510, Start Num: 4

Candidate Starts for Llemily_68:

(Start: 3 @44851 has 1 MA's), (Start: 4 @44836 has 12 MA's), (7, 44755), (8, 44734), (9, 44689), (10, 44611), (11, 44608),

Gene: Lonelysoil_64 Start: 44712, Stop: 44386, Start Num: 4

Candidate Starts for Lonelysoil_64:

(Start: 4 @44712 has 12 MA's), (7, 44631), (8, 44610), (9, 44565), (10, 44487), (11, 44484), (12, 44415), (13, 44397),

Gene: Nike_67 Start: 46272, Stop: 45946, Start Num: 4

Candidate Starts for Nike_67:

(1, 46443), (2, 46323), (Start: 4 @46272 has 12 MA's), (8, 46170), (9, 46125), (10, 46047), (11, 46044), (12, 45975), (13, 45957),

Gene: Phabia_67 Start: 45251, Stop: 44925, Start Num: 4

Candidate Starts for Phabia_67:

(Start: 3 @45266 has 1 MA's), (Start: 4 @45251 has 12 MA's), (7, 45170), (8, 45149), (9, 45104), (10, 45026), (11, 45023),

Gene: Quammi_65 Start: 44951, Stop: 44625, Start Num: 4

Candidate Starts for Quammi_65:

(Start: 3 @44966 has 1 MA's), (Start: 4 @44951 has 12 MA's), (7, 44870), (8, 44849), (9, 44804), (10, 44726), (11, 44723),

Gene: Rudy_65 Start: 44987, Stop: 44661, Start Num: 4

Candidate Starts for Rudy_65:

(Start: 3 @45002 has 1 MA's), (Start: 4 @44987 has 12 MA's), (7, 44906), (8, 44885), (9, 44840), (10, 44762), (11, 44759),

Gene: Sillytadpoles_69 Start: 44839, Stop: 44498, Start Num: 3

Candidate Starts for Sillytadpoles_69:

(Start: 3 @44839 has 1 MA's), (Start: 4 @44824 has 12 MA's), (7, 44743), (8, 44722), (9, 44677), (10, 44599), (11, 44596),

Gene: Squash_69 Start: 46110, Stop: 45784, Start Num: 4

Candidate Starts for Squash_69:

(Start: 4 @46110 has 12 MA's), (5, 46065), (6, 46044), (7, 46029), (8, 46008), (9, 45963), (10, 45885), (11, 45882),

Gene: Teehee_68 Start: 46057, Stop: 45731, Start Num: 4

Candidate Starts for Teehee_68:

(Start: 3 @46072 has 1 MA's), (Start: 4 @46057 has 12 MA's), (7, 45976), (8, 45955), (9, 45910), (10, 45832), (11, 45829),

Gene: Viceroy_66 Start: 44957, Stop: 44631, Start Num: 4

Candidate Starts for Viceroy_66:

(Start: 3 @44972 has 1 MA's), (Start: 4 @44957 has 12 MA's), (7, 44876), (8, 44855), (9, 44810), (10, 44732), (11, 44729),

Gene: Wayne3_69 Start: 45820, Stop: 45494, Start Num: 4

Candidate Starts for Wayne3_69:

(Start: 3 @45835 has 1 MA's), (Start: 4 @45820 has 12 MA's), (7, 45739), (8, 45718), (9, 45673), (10, 45595), (11, 45592),

Gene: Wheelie_67 Start: 45141, Stop: 44815, Start Num: 4

Candidate Starts for Wheelie_67:

(Start: 3 @45156 has 1 MA's), (Start: 4 @45141 has 12 MA's), (7, 45060), (8, 45039), (9, 44994), (10, 44916), (11, 44913),

Gene: Zhafia_71 Start: 45636, Stop: 45295, Start Num: 3

Candidate Starts for Zhafia_71:

(Start: 3 @45636 has 1 MA's), (Start: 4 @45621 has 12 MA's), (7, 45540), (8, 45519), (9, 45474), (10, 45396), (11, 45393),