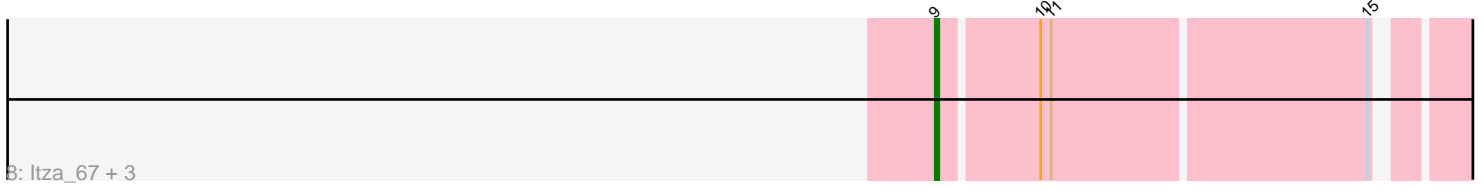
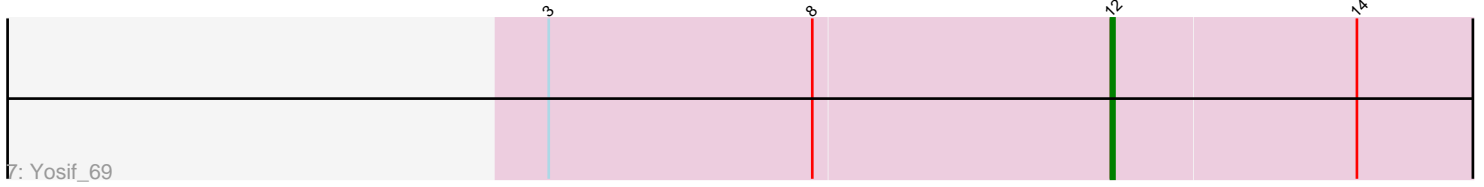
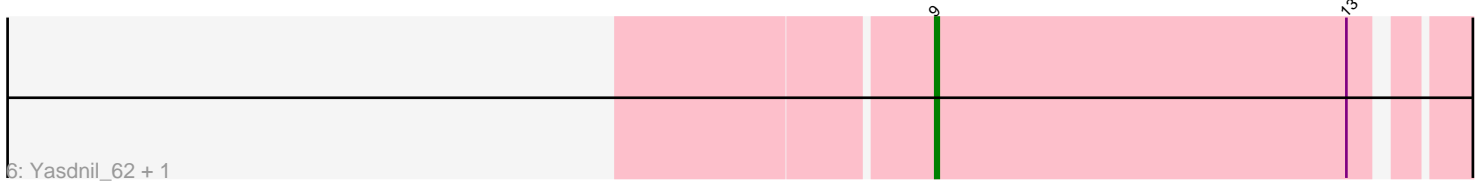
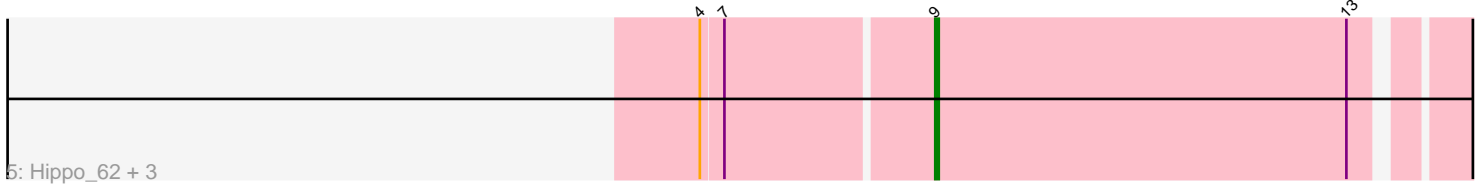
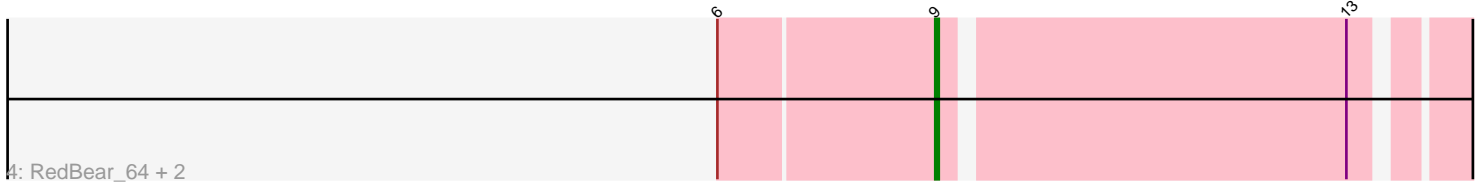
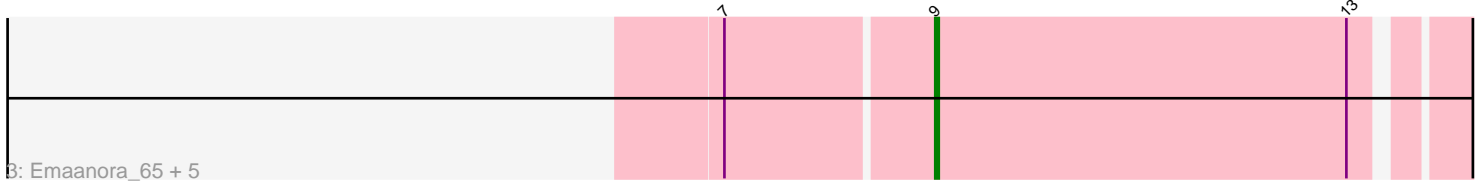
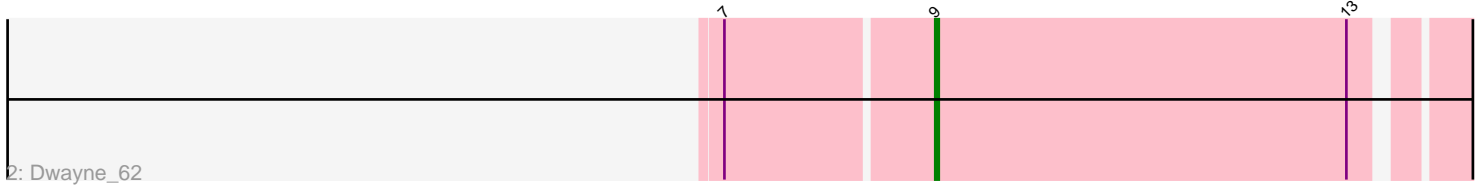
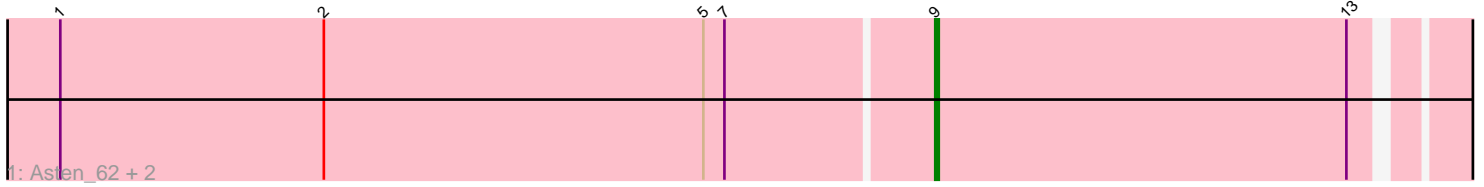


Pham 158147



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 158147 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158147 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Asten_62, SarahRose_62, Snorlax_62
- Track 2 : Dwayne_62
- Track 3 : Emaanora_65, Triste_63, TagePhighter_64, Werner_62, Whatever_62, Chucky_62
- Track 4 : RedBear_64, South40_63, Katalie_63
- Track 5 : Hippo_62, TuanPN_60, Ejemplo_60, BarryBee_65
- Track 6 : Yasdnil_62, Maneekul_62
- Track 7 : Yosif_69
- Track 8 : Itza_67, Celia_64, Urza_66, VieEnRose_66

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

The start number called the most often in the published annotations is 9, it was called in 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asten_62, BarryBee_65, Celia_64, Chucky_62, Dwayne_62, Ejemplo_60, Emaanora_65, Hippo_62, Itza_67, Katalie_63, Maneekul_62, RedBear_64, SarahRose_62, Snorlax_62, South40_63, TagePhighter_64, Triste_63, TuanPN_60, Urza_66, VieEnRose_66, Werner_62, Whatever_62, Yasdnil_62,

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

-

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

- Yosif_69,

Summary by start number:

Start 9:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 22 of 23
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Asten_62 (BD1), BarryBee_65 (BD1), Celia_64 (BD6), Chucky_62 (BD1), Dwayne_62 (BD1), Ejemplo_60 (BD1), Emaanora_65 (BD1), Hippo_62 (BD1), Itza_67 (BD6), Katalie_63 (BD1), Maneekul_62 (BD1), RedBear_64 (BD1), SarahRose_62 (BD1), Snorlax_62 (BD1), South40_63 (BD1), TagePhighter_64 (BD1), Triste_63 (BD1), TuanPN_60 (BD1), Urza_66 (BD6), VieEnRose_66 (BD6), Werner_62 (BD1), Whatever_62 (BD1), Yasdnil_62 (BD1),

Start 12:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yosif_69 (BD3),

Summary by clusters:

There are 3 clusters represented in this pham: BD6, BD1, BD3,

Info for manual annotations of cluster BD1:

- Start number 9 was manually annotated 18 times for cluster BD1.

Info for manual annotations of cluster BD3:

- Start number 12 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster BD6:

- Start number 9 was manually annotated 4 times for cluster BD6.

Gene Information:

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 9

Candidate Starts for Asten_62:

(1, 45866), (2, 45791), (5, 45683), (7, 45677), (Start: 9 @45620 has 22 MA's), (13, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 9

Candidate Starts for BarryBee_65:

(4, 45660), (7, 45654), (Start: 9 @45597 has 22 MA's), (13, 45480),

Gene: Celia_64 Start: 43676, Stop: 43323, Start Num: 9

Candidate Starts for Celia_64:

(Start: 9 @43676 has 22 MA's), (10, 43649), (11, 43646), (15, 43559),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 9

Candidate Starts for Chucky_62:

(7, 45715), (Start: 9 @45658 has 22 MA's), (13, 45541),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 9

Candidate Starts for Dwayne_62:

(7, 45703), (Start: 9 @45646 has 22 MA's), (13, 45529),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 9

Candidate Starts for Ejemplo_60:

(4, 45648), (7, 45642), (Start: 9 @45585 has 22 MA's), (13, 45468),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 9

Candidate Starts for Emaanora_65:

(7, 45627), (Start: 9 @45570 has 22 MA's), (13, 45453),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 9

Candidate Starts for Hippo_62:

(4, 45696), (7, 45690), (Start: 9 @45633 has 22 MA's), (13, 45516),

Gene: Itza_67 Start: 43609, Stop: 43256, Start Num: 9

Candidate Starts for Itza_67:

(Start: 9 @43609 has 22 MA's), (10, 43582), (11, 43579), (15, 43492),

Gene: Katalie_63 Start: 46125, Stop: 45820, Start Num: 9

Candidate Starts for Katalie_63:

(6, 46185), (Start: 9 @46125 has 22 MA's), (13, 46014),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 9

Candidate Starts for Maneekul_62:

(Start: 9 @45663 has 22 MA's), (13, 45546),

Gene: RedBear_64 Start: 46125, Stop: 45820, Start Num: 9

Candidate Starts for RedBear_64:

(6, 46185), (Start: 9 @46125 has 22 MA's), (13, 46014),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 9

Candidate Starts for SarahRose_62:

(1, 45878), (2, 45803), (5, 45695), (7, 45689), (Start: 9 @45632 has 22 MA's), (13, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 9

Candidate Starts for Snorlax_62:

(1, 45903), (2, 45828), (5, 45720), (7, 45714), (Start: 9 @45657 has 22 MA's), (13, 45540),

Gene: South40_63 Start: 46125, Stop: 45820, Start Num: 9

Candidate Starts for South40_63:

(6, 46185), (Start: 9 @46125 has 22 MA's), (13, 46014),

Gene: TagePhighter_64 Start: 45633, Stop: 45322, Start Num: 9

Candidate Starts for TagePhighter_64:

(7, 45690), (Start: 9 @45633 has 22 MA's), (13, 45516),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 9

Candidate Starts for Triste_63:

(7, 45689), (Start: 9 @45632 has 22 MA's), (13, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 9

Candidate Starts for TuanPN_60:

(4, 45648), (7, 45642), (Start: 9 @45585 has 22 MA's), (13, 45468),

Gene: Urza_66 Start: 43630, Stop: 43277, Start Num: 9

Candidate Starts for Urza_66:

(Start: 9 @43630 has 22 MA's), (10, 43603), (11, 43600), (15, 43513),

Gene: VieEnRose_66 Start: 43482, Stop: 43129, Start Num: 9
Candidate Starts for VieEnRose_66:
(Start: 9 @43482 has 22 MA's), (10, 43455), (11, 43452), (15, 43365),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 9
Candidate Starts for Werner_62:
(7, 45687), (Start: 9 @45630 has 22 MA's), (13, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 9
Candidate Starts for Whatever_62:
(7, 45712), (Start: 9 @45655 has 22 MA's), (13, 45538),

Gene: Yasdnii_62 Start: 45682, Stop: 45371, Start Num: 9
Candidate Starts for Yasdnii_62:
(Start: 9 @45682 has 22 MA's), (13, 45565),

Gene: Yosif_69 Start: 44982, Stop: 44650, Start Num: 12
Candidate Starts for Yosif_69:
(3, 45141), (8, 45066), (Start: 12 @44982 has 1 MA's), (14, 44913),