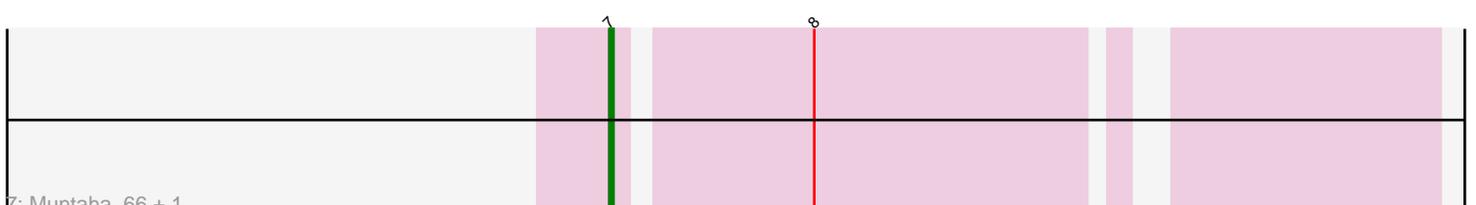
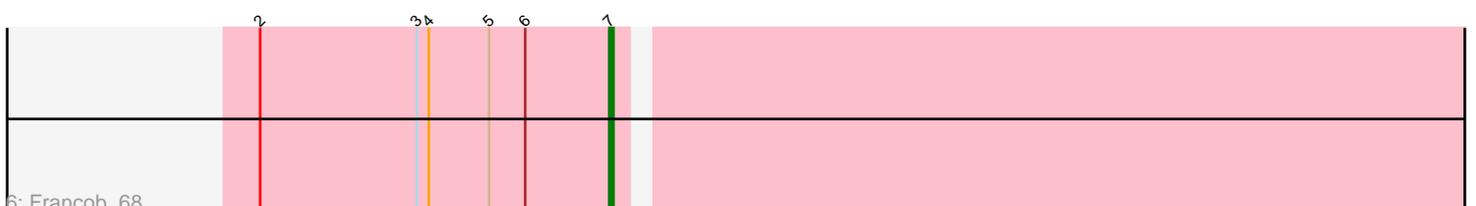
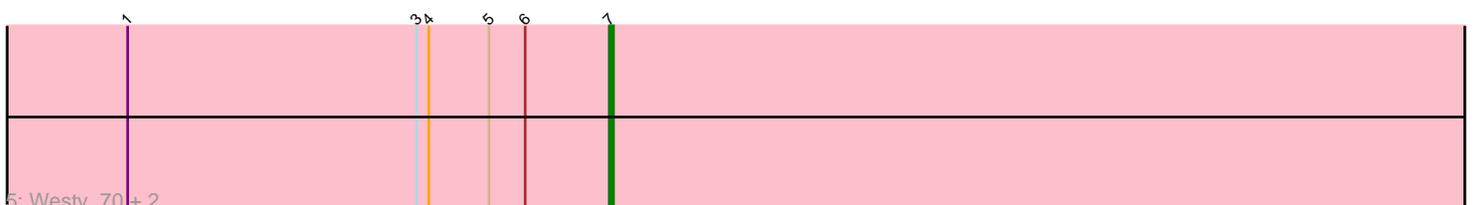
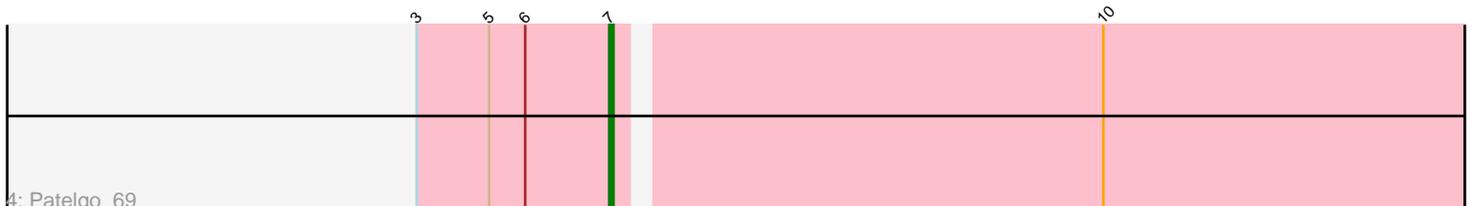
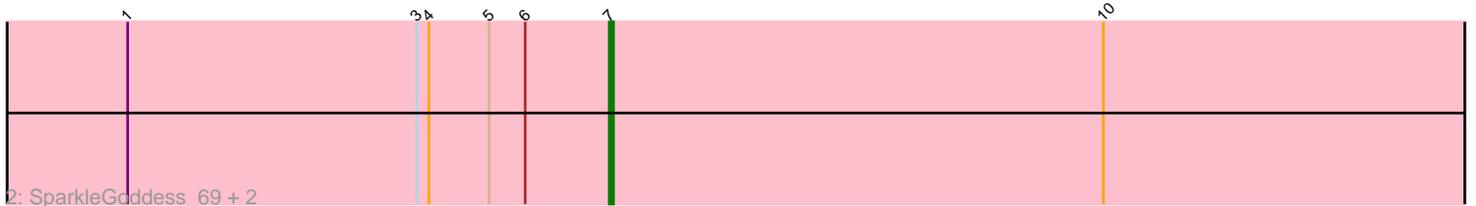


Pham 291570



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 291570 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291570 has 19 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Forrest_71, Emma1919_71, Jada_69, Maupel_69, Gilson_70, Kenrey_71, MeganTheeKilla_68, DeluluLabubu_69
- Track 2 : SparkleGoddess_69, Stigma_68, Karp_67
- Track 3 : Phredrick_69
- Track 4 : Patelgo_69
- Track 5 : Westy_70, Belfort_71, Comrade_69
- Track 6 : Francob_68
- Track 7 : Muntaha_66, Wakanda_65

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

The start number called the most often in the published annotations is 7, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_71, Comrade_69, DeluluLabubu_69, Emma1919_71, Forrest_71, Francob_68, Gilson_70, Jada_69, Karp_67, Kenrey_71, Maupel_69, MeganTheeKilla_68, Muntaha_66, Patelgo_69, Phredrick_69, SparkleGoddess_69, Stigma_68, Wakanda_65, Westy_70,

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 7:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_71 (BK1), Comrade_69 (BK1), DeluluLabubu_69 (BK1), Emma1919_71 (BK1), Forrest_71 (BK1), Francob_68 (BK1),

Gilson_70 (BK1), Jada_69 (BK1), Karp_67 (BK1), Kenrey_71 (BK1), Maupel_69 (BK1), MeganTheeKilla_68 (BK1), Muntaha_66 (BK2), Patelgo_69 (BK1), Phredrick_69 (BK1), SparkleGoddess_69 (BK1), Stigma_68 (BK1), Wakanda_65 (BK2), Westy_70 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

•Start number 7 was manually annotated 16 times for cluster BK1.

Info for manual annotations of cluster BK2:

•Start number 7 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Belfort_71 Start: 56221, Stop: 56436, Start Num: 7

Candidate Starts for Belfort_71:

(1, 56101), (3, 56173), (4, 56176), (5, 56191), (6, 56200), (Start: 7 @56221 has 18 MA's),

Gene: Comrade_69 Start: 55837, Stop: 56052, Start Num: 7

Candidate Starts for Comrade_69:

(1, 55717), (3, 55789), (4, 55792), (5, 55807), (6, 55816), (Start: 7 @55837 has 18 MA's),

Gene: DeluluLabubu_69 Start: 53875, Stop: 54078, Start Num: 7

Candidate Starts for DeluluLabubu_69:

(Start: 7 @53875 has 18 MA's), (9, 53995), (11, 54049),

Gene: Emma1919_71 Start: 54549, Stop: 54752, Start Num: 7

Candidate Starts for Emma1919_71:

(Start: 7 @54549 has 18 MA's), (9, 54669), (11, 54723),

Gene: Forrest_71 Start: 55255, Stop: 55458, Start Num: 7

Candidate Starts for Forrest_71:

(Start: 7 @55255 has 18 MA's), (9, 55375), (11, 55429),

Gene: Francob_68 Start: 54612, Stop: 54821, Start Num: 7

Candidate Starts for Francob_68:

(2, 54525), (3, 54564), (4, 54567), (5, 54582), (6, 54591), (Start: 7 @54612 has 18 MA's),

Gene: Gilson_70 Start: 54511, Stop: 54714, Start Num: 7

Candidate Starts for Gilson_70:

(Start: 7 @54511 has 18 MA's), (9, 54631), (11, 54685),

Gene: Jada_69 Start: 54437, Stop: 54640, Start Num: 7

Candidate Starts for Jada_69:

(Start: 7 @54437 has 18 MA's), (9, 54557), (11, 54611),

Gene: Karp_67 Start: 55436, Stop: 55645, Start Num: 7

Candidate Starts for Karp_67:

(1, 55316), (3, 55388), (4, 55391), (5, 55406), (6, 55415), (Start: 7 @55436 has 18 MA's), (10, 55553),

Gene: Kenrey_71 Start: 54693, Stop: 54896, Start Num: 7

Candidate Starts for Kenrey_71:

(Start: 7 @54693 has 18 MA's), (9, 54813), (11, 54867),

Gene: Maupel_69 Start: 54511, Stop: 54714, Start Num: 7

Candidate Starts for Maupel_69:

(Start: 7 @54511 has 18 MA's), (9, 54631), (11, 54685),

Gene: MeganTheeKilla_68 Start: 53872, Stop: 54075, Start Num: 7

Candidate Starts for MeganTheeKilla_68:

(Start: 7 @53872 has 18 MA's), (9, 53992), (11, 54046),

Gene: Muntaha_66 Start: 55875, Stop: 56060, Start Num: 7

Candidate Starts for Muntaha_66:

(Start: 7 @55875 has 18 MA's), (8, 55920),

Gene: Patelgo_69 Start: 55899, Stop: 56108, Start Num: 7

Candidate Starts for Patelgo_69:

(3, 55851), (5, 55869), (6, 55878), (Start: 7 @55899 has 18 MA's), (10, 56016),

Gene: Phredrick_69 Start: 53764, Stop: 53976, Start Num: 7

Candidate Starts for Phredrick_69:

(2, 53677), (3, 53716), (4, 53719), (5, 53734), (6, 53743), (Start: 7 @53764 has 18 MA's), (10, 53884),

Gene: SparkleGoddess_69 Start: 55838, Stop: 56053, Start Num: 7

Candidate Starts for SparkleGoddess_69:

(1, 55718), (3, 55790), (4, 55793), (5, 55808), (6, 55817), (Start: 7 @55838 has 18 MA's), (10, 55961),

Gene: Stigma_68 Start: 55852, Stop: 56061, Start Num: 7

Candidate Starts for Stigma_68:

(1, 55732), (3, 55804), (4, 55807), (5, 55822), (6, 55831), (Start: 7 @55852 has 18 MA's), (10, 55969),

Gene: Wakanda_65 Start: 55812, Stop: 55997, Start Num: 7

Candidate Starts for Wakanda_65:

(Start: 7 @55812 has 18 MA's), (8, 55857),

Gene: Westy_70 Start: 55838, Stop: 56053, Start Num: 7

Candidate Starts for Westy_70:

(1, 55718), (3, 55790), (4, 55793), (5, 55808), (6, 55817), (Start: 7 @55838 has 18 MA's),