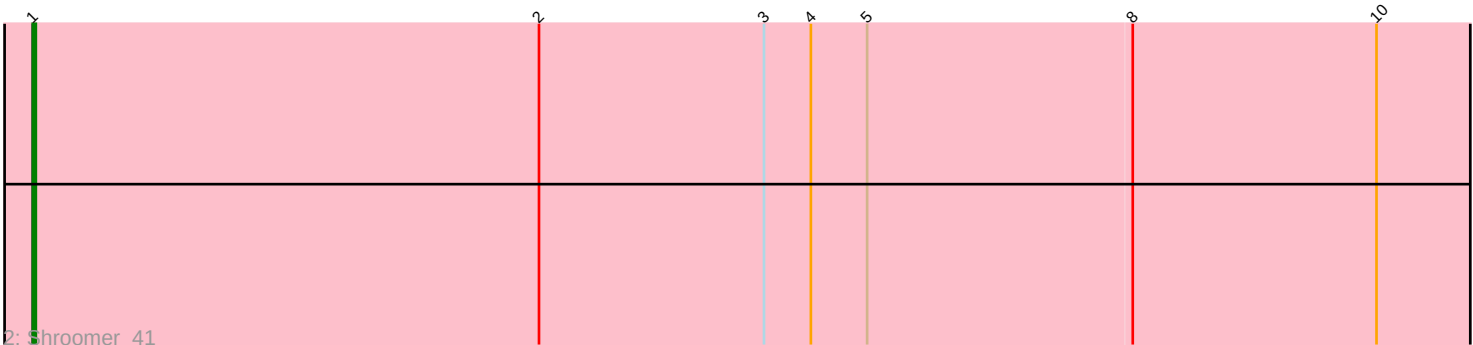




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 323734 Report

This analysis was run 09/05/26 on database version 662.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 323734 has 16 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Casablanacas_38, Necrophoxinus_39, Musetta_37, Yuma_36, Fork_33, SteakFry_39, StevieWelch_37, Welcome_38, ASegato_36, HollowPurple_38, Lyell_37
- Track 2 : Shroomer_41
- Track 3 : DustyDino_40, Issa7_36, RunningBrook_38
- Track 4 : Erenyeager_37

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_36, Casablanacas_38, DustyDino_40, Erenyeager_37, Fork_33, HollowPurple_38, Issa7_36, Lyell_37, Musetta_37, Necrophoxinus_39, RunningBrook_38, Shroomer_41, SteakFry_39, StevieWelch_37, Welcome_38, Yuma_36,

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 1:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ASegato_36 (ED2), Casablanacas_38 (ED2), DustyDino_40 (ED2), Erenyeager_37 (ED2), Fork_33 (ED2), HollowPurple_38 (ED2), Issa7_36 (ED2), Lyell_37 (ED2), Musetta_37 (ED2), Necrophoxinus_39 (ED2), RunningBrook_38 (ED2), Shroomer_41 (ED2), SteakFry_39 (ED2), StevieWelch_37 (ED2), Welcome_38 (ED2), Yuma_36 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

- Start number 1 was manually annotated 15 times for cluster ED2.

Gene Information:

Gene: ASegato_36 Start: 11739, Stop: 12224, Start Num: 1

Candidate Starts for ASegato_36:

(Start: 1 @11739 has 15 MA's), (2, 11901), (7, 12081), (10, 12168),

Gene: Casablanacas_38 Start: 11823, Stop: 12308, Start Num: 1

Candidate Starts for Casablanacas_38:

(Start: 1 @11823 has 15 MA's), (2, 11985), (7, 12165), (10, 12252),

Gene: DustyDino_40 Start: 12687, Stop: 13172, Start Num: 1

Candidate Starts for DustyDino_40:

(Start: 1 @12687 has 15 MA's), (2, 12849), (6, 13005), (7, 13029), (10, 13116),

Gene: Erenyeager_37 Start: 12081, Stop: 12479, Start Num: 1

Candidate Starts for Erenyeager_37:

(Start: 1 @12081 has 15 MA's), (2, 12243), (7, 12423), (9, 12474),

Gene: Fork_33 Start: 11397, Stop: 11882, Start Num: 1

Candidate Starts for Fork_33:

(Start: 1 @11397 has 15 MA's), (2, 11559), (7, 11739), (10, 11826),

Gene: HollowPurple_38 Start: 11938, Stop: 12423, Start Num: 1

Candidate Starts for HollowPurple_38:

(Start: 1 @11938 has 15 MA's), (2, 12100), (7, 12280), (10, 12367),

Gene: Issa7_36 Start: 11391, Stop: 11876, Start Num: 1

Candidate Starts for Issa7_36:

(Start: 1 @11391 has 15 MA's), (2, 11553), (6, 11709), (7, 11733), (10, 11820),

Gene: Lyell_37 Start: 12000, Stop: 12485, Start Num: 1

Candidate Starts for Lyell_37:

(Start: 1 @12000 has 15 MA's), (2, 12162), (7, 12342), (10, 12429),

Gene: Musetta_37 Start: 12107, Stop: 12592, Start Num: 1

Candidate Starts for Musetta_37:

(Start: 1 @12107 has 15 MA's), (2, 12269), (7, 12449), (10, 12536),

Gene: Necrophoxinus_39 Start: 12695, Stop: 13180, Start Num: 1
Candidate Starts for Necrophoxinus_39:
(Start: 1 @12695 has 15 MA's), (2, 12857), (7, 13037), (10, 13124),

Gene: RunningBrook_38 Start: 12687, Stop: 13172, Start Num: 1
Candidate Starts for RunningBrook_38:
(Start: 1 @12687 has 15 MA's), (2, 12849), (6, 13005), (7, 13029), (10, 13116),

Gene: Shroomer_41 Start: 12218, Stop: 12703, Start Num: 1
Candidate Starts for Shroomer_41:
(Start: 1 @12218 has 15 MA's), (2, 12380), (3, 12452), (4, 12467), (5, 12485), (8, 12569), (10, 12647),

Gene: SteakFry_39 Start: 11938, Stop: 12423, Start Num: 1
Candidate Starts for SteakFry_39:
(Start: 1 @11938 has 15 MA's), (2, 12100), (7, 12280), (10, 12367),

Gene: StevieWelch_37 Start: 12087, Stop: 12572, Start Num: 1
Candidate Starts for StevieWelch_37:
(Start: 1 @12087 has 15 MA's), (2, 12249), (7, 12429), (10, 12516),

Gene: Welcome_38 Start: 12104, Stop: 12589, Start Num: 1
Candidate Starts for Welcome_38:
(Start: 1 @12104 has 15 MA's), (2, 12266), (7, 12446), (10, 12533),

Gene: Yuma_36 Start: 12006, Stop: 12491, Start Num: 1
Candidate Starts for Yuma_36:
(Start: 1 @12006 has 15 MA's), (2, 12168), (7, 12348), (10, 12435),