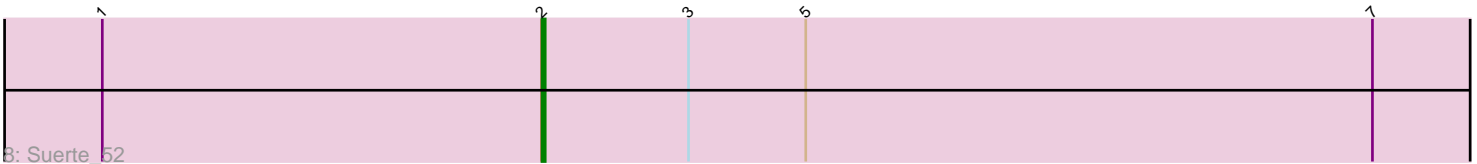
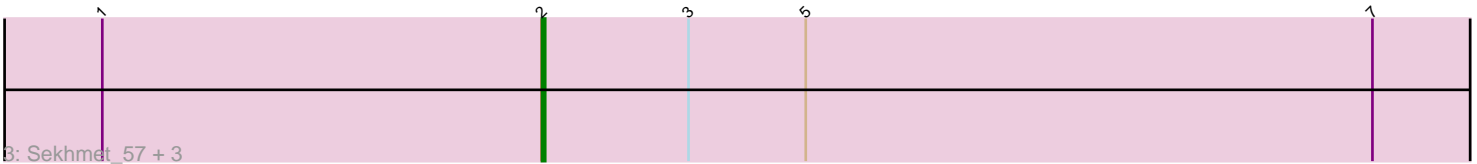
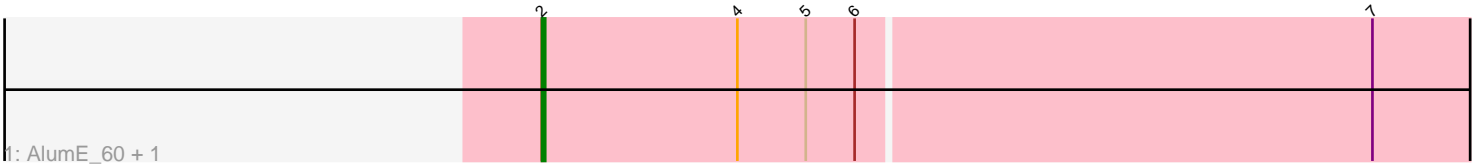


Pham 3589



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 3589 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3589 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : AlumE_60, BoyNamedSue_60
- Track 2 : Dorito_51
- Track 3 : Sekhmet_57, WinkNick_58, MichaelScott_56, Dolores_57
- Track 4 : Thimann_58
- Track 5 : Samman98_56, Clark_55, Beenie_49, DobbysSock_48
- Track 6 : PhriskyACE_56
- Track 7 : Howe_60, Adora_57, Shlim410_58, Annalisa_58, Oregano_59, Twinkle_59, Hortense_60
- Track 8 : Suerte_52
- Track 9 : Mcklovin_55

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_57, AlumE_60, Annalisa_58, Beenie_49, BoyNamedSue_60, Clark_55, DobbysSock_48, Dolores_57, Dorito_51, Hortense_60, Howe_60, Mcklovin_55, MichaelScott_56, Oregano_59, PhriskyACE_56, Samman98_56, Sekhmet_57, Shlim410_58, Suerte_52, Thimann_58, Twinkle_59, WinkNick_58,

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 2:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Adora_57 (CZ4), AlumE_60 (CZ1), Annalisa_58 (CZ4), Beenie_49 (CZ4), BoyNamedSue_60 (CZ1), Clark_55 (CZ4), DobbysSock_48 (CZ4), Dolores_57 (CZ4), Dorito_51 (CZ4), Hortense_60 (CZ4), Howe_60 (CZ4), Mcklovin_55 (CZ4), MichaelScott_56 (CZ4), Oregano_59 (CZ4), PhriskyACE_56 (CZ4), Samman98_56 (CZ4), Sekhmet_57 (CZ4), Shlim410_58 (CZ4), Suerte_52 (CZ4), Thimann_58 (CZ4), Twinkle_59 (CZ4), WinkNick_58 (CZ4),

Summary by clusters:

There are 2 clusters represented in this pham: CZ1, CZ4,

Info for manual annotations of cluster CZ1:

- Start number 2 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ4:

- Start number 2 was manually annotated 18 times for cluster CZ4.

Gene Information:

Gene: Adora_57 Start: 41663, Stop: 41950, Start Num: 2

Candidate Starts for Adora_57:

(Start: 2 @41663 has 20 MA's), (5, 41744), (7, 41918),

Gene: AlumE_60 Start: 42338, Stop: 42622, Start Num: 2

Candidate Starts for AlumE_60:

(Start: 2 @42338 has 20 MA's), (4, 42398), (5, 42419), (6, 42434), (7, 42590),

Gene: Annalisa_58 Start: 38671, Stop: 38958, Start Num: 2

Candidate Starts for Annalisa_58:

(Start: 2 @38671 has 20 MA's), (5, 38752), (7, 38926),

Gene: Beenie_49 Start: 38249, Stop: 38536, Start Num: 2

Candidate Starts for Beenie_49:

(1, 38114), (Start: 2 @38249 has 20 MA's), (7, 38504),

Gene: BoyNamedSue_60 Start: 42338, Stop: 42622, Start Num: 2

Candidate Starts for BoyNamedSue_60:

(Start: 2 @42338 has 20 MA's), (4, 42398), (5, 42419), (6, 42434), (7, 42590),

Gene: Clark_55 Start: 38066, Stop: 38353, Start Num: 2

Candidate Starts for Clark_55:

(1, 37931), (Start: 2 @38066 has 20 MA's), (7, 38321),

Gene: DobbysSock_48 Start: 36908, Stop: 37195, Start Num: 2

Candidate Starts for DobbysSock_48:

(1, 36773), (Start: 2 @36908 has 20 MA's), (7, 37163),

Gene: Dolores_57 Start: 38807, Stop: 39094, Start Num: 2

Candidate Starts for Dolores_57:

(1, 38672), (Start: 2 @38807 has 20 MA's), (3, 38852), (5, 38888), (7, 39062),

Gene: Dorito_51 Start: 36553, Stop: 36840, Start Num: 2

Candidate Starts for Dorito_51:

(Start: 2 @36553 has 20 MA's), (7, 36808),

Gene: Hortense_60 Start: 43018, Stop: 43305, Start Num: 2

Candidate Starts for Hortense_60:

(Start: 2 @43018 has 20 MA's), (5, 43099), (7, 43273),

Gene: Howe_60 Start: 43018, Stop: 43305, Start Num: 2

Candidate Starts for Howe_60:

(Start: 2 @43018 has 20 MA's), (5, 43099), (7, 43273),

Gene: Mcklovin_55 Start: 44088, Stop: 44375, Start Num: 2

Candidate Starts for Mcklovin_55:

(Start: 2 @44088 has 20 MA's), (7, 44343),

Gene: MichaelScott_56 Start: 39543, Stop: 39830, Start Num: 2

Candidate Starts for MichaelScott_56:

(1, 39408), (Start: 2 @39543 has 20 MA's), (3, 39588), (5, 39624), (7, 39798),

Gene: Oregano_59 Start: 39303, Stop: 39590, Start Num: 2

Candidate Starts for Oregano_59:

(Start: 2 @39303 has 20 MA's), (5, 39384), (7, 39558),

Gene: PhriskyACE_56 Start: 39378, Stop: 39665, Start Num: 2

Candidate Starts for PhriskyACE_56:

(Start: 2 @39378 has 20 MA's), (5, 39459), (7, 39633),

Gene: Samman98_56 Start: 38169, Stop: 38456, Start Num: 2

Candidate Starts for Samman98_56:

(1, 38034), (Start: 2 @38169 has 20 MA's), (7, 38424),

Gene: Sekhmet_57 Start: 39206, Stop: 39493, Start Num: 2

Candidate Starts for Sekhmet_57:

(1, 39071), (Start: 2 @39206 has 20 MA's), (3, 39251), (5, 39287), (7, 39461),

Gene: Shlim410_58 Start: 43018, Stop: 43305, Start Num: 2

Candidate Starts for Shlim410_58:

(Start: 2 @43018 has 20 MA's), (5, 43099), (7, 43273),

Gene: Suerte_52 Start: 38143, Stop: 38430, Start Num: 2

Candidate Starts for Suerte_52:

(1, 38008), (Start: 2 @38143 has 20 MA's), (3, 38188), (5, 38224), (7, 38398),

Gene: Thimann_58 Start: 39587, Stop: 39874, Start Num: 2

Candidate Starts for Thimann_58:

(Start: 2 @39587 has 20 MA's), (5, 39668), (7, 39842),

Gene: Twinkle_59 Start: 44077, Stop: 44364, Start Num: 2

Candidate Starts for Twinkle_59:

(Start: 2 @44077 has 20 MA's), (5, 44158), (7, 44332),

Gene: WinkNick_58 Start: 38730, Stop: 39017, Start Num: 2

Candidate Starts for WinkNick_58:

(1, 38595), (Start: 2 @38730 has 20 MA's), (3, 38775), (5, 38811), (7, 38985),