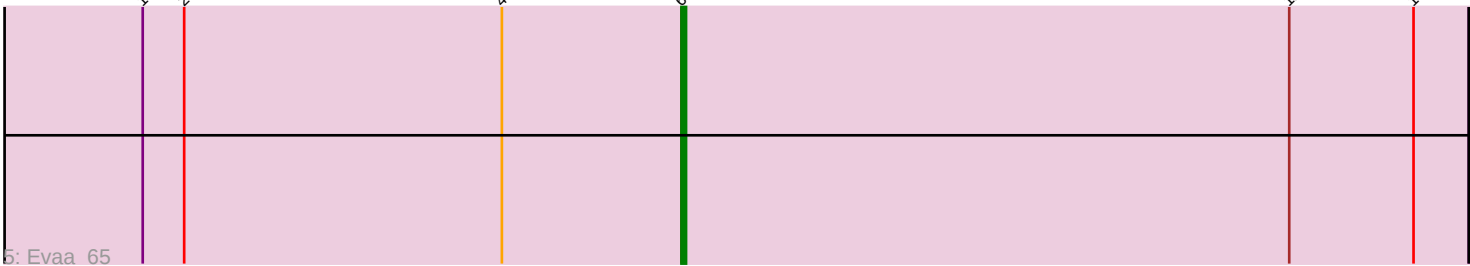
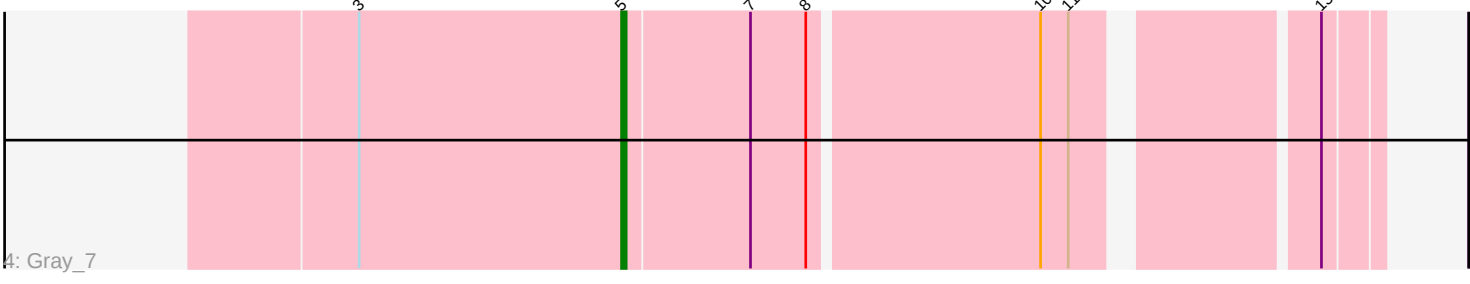
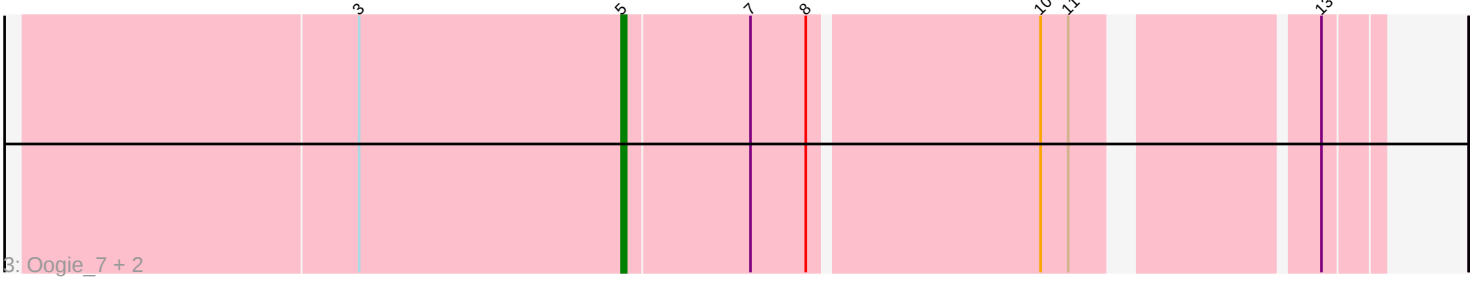
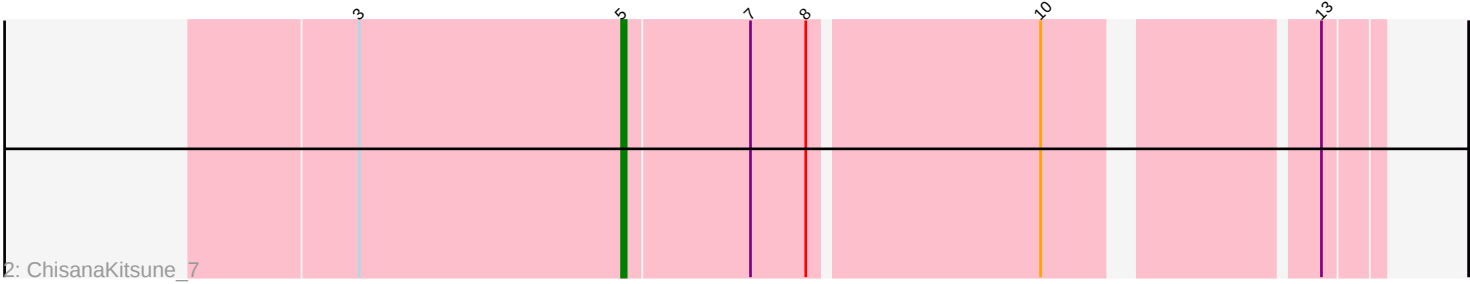
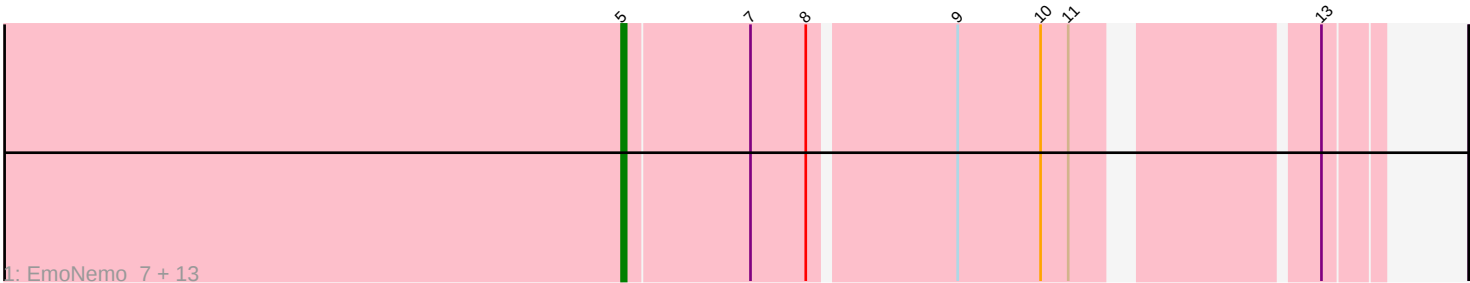


Pham 331271



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 331271 Report

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

Pham number 331271 has 20 members, 9 are drafts.

Phages represented in each track:

- Track 1 : EmoNemo_7, Argena_7, MintFritos_7, Toneprano_7, Hanem_7, Chidiebere_7, Amoonguss_7, Twin_7, Kabocha_7, Schomber_7, Pakusa_7, Mikronejon_7, Alok_7, Farrylous_7
- Track 2 : ChisanaKitsune_7
- Track 3 : Oogie_7, Beted_7, Lenoshki_7
- Track 4 : Gray_7
- Track 5 : Evaa_65

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_7, Amoonguss_7, Argena_7, Beted_7, Chidiebere_7, ChisanaKitsune_7, EmoNemo_7, Farrylous_7, Gray_7, Hanem_7, Kabocha_7, Lenoshki_7, Mikronejon_7, MintFritos_7, Oogie_7, Pakusa_7, Schomber_7, Toneprano_7, Twin_7,

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

-

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

- Evaa_65,

Summary by start number:

Start 5:

- Found in 19 of 20 (95.0%) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_7 (DQ), Amoonguss_7 (DQ), Argena_7 (DQ), Beted_7 (DQ), Chidiebere_7 (DQ), ChisanaKitsune_7 (DQ), EmoNemo_7 (DQ), Farrylous_7 (DQ), Gray_7 (DQ), Hanem_7 (DQ), Kabocha_7

(DQ), Lenoshki_7 (DQ), Mikronejon_7 (DQ), MintFritos_7 (DQ), Oogie_7 (DQ), Pakusa_7 (DQ), Schomber_7 (DQ), Toneprano_7 (DQ), Twin_7 (DQ),

Start 6:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Evaa_65 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: DR, DQ,

Info for manual annotations of cluster DQ:

- Start number 5 was manually annotated 10 times for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 6 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: Alok_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Alok_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Amoonguss_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Amoonguss_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Argena_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Argena_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Beted_7 Start: 3677, Stop: 3826, Start Num: 5

Candidate Starts for Beted_7:

(3, 3620), (Start: 5 @3677 has 10 MA's), (7, 3704), (8, 3716), (10, 3764), (11, 3770), (13, 3815),

Gene: Chidiebere_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Chidiebere_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: ChisanaKitsune_7 Start: 3674, Stop: 3823, Start Num: 5

Candidate Starts for ChisanaKitsune_7:

(3, 3617), (Start: 5 @3674 has 10 MA's), (7, 3701), (8, 3713), (10, 3761), (13, 3812),

Gene: EmoNemo_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for EmoNemo_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Evaa_65 Start: 51511, Stop: 51681, Start Num: 6

Candidate Starts for Evaa_65:

(1, 51394), (2, 51403), (4, 51472), (Start: 6 @51511 has 1 MA's), (12, 51643), (14, 51670),

Gene: Farrylious_7 Start: 3960, Stop: 4109, Start Num: 5

Candidate Starts for Farrylious_7:

(Start: 5 @3960 has 10 MA's), (7, 3987), (8, 3999), (9, 4029), (10, 4047), (11, 4053), (13, 4098),

Gene: Gray_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Gray_7:

(3, 3879), (Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (10, 4023), (11, 4029), (13, 4074),

Gene: Hanem_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Hanem_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Kabocha_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Kabocha_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Lenoshki_7 Start: 3677, Stop: 3826, Start Num: 5

Candidate Starts for Lenoshki_7:

(3, 3620), (Start: 5 @3677 has 10 MA's), (7, 3704), (8, 3716), (10, 3764), (11, 3770), (13, 3815),

Gene: Mikronejon_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Mikronejon_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: MintFritos_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for MintFritos_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Oogie_7 Start: 3677, Stop: 3826, Start Num: 5

Candidate Starts for Oogie_7:

(3, 3620), (Start: 5 @3677 has 10 MA's), (7, 3704), (8, 3716), (10, 3764), (11, 3770), (13, 3815),

Gene: Pakusa_7 Start: 3678, Stop: 3827, Start Num: 5

Candidate Starts for Pakusa_7:

(Start: 5 @3678 has 10 MA's), (7, 3705), (8, 3717), (9, 3747), (10, 3765), (11, 3771), (13, 3816),

Gene: Schomber_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Schomber_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Toneprano_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Toneprano_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),

Gene: Twin_7 Start: 3936, Stop: 4085, Start Num: 5

Candidate Starts for Twin_7:

(Start: 5 @3936 has 10 MA's), (7, 3963), (8, 3975), (9, 4005), (10, 4023), (11, 4029), (13, 4074),