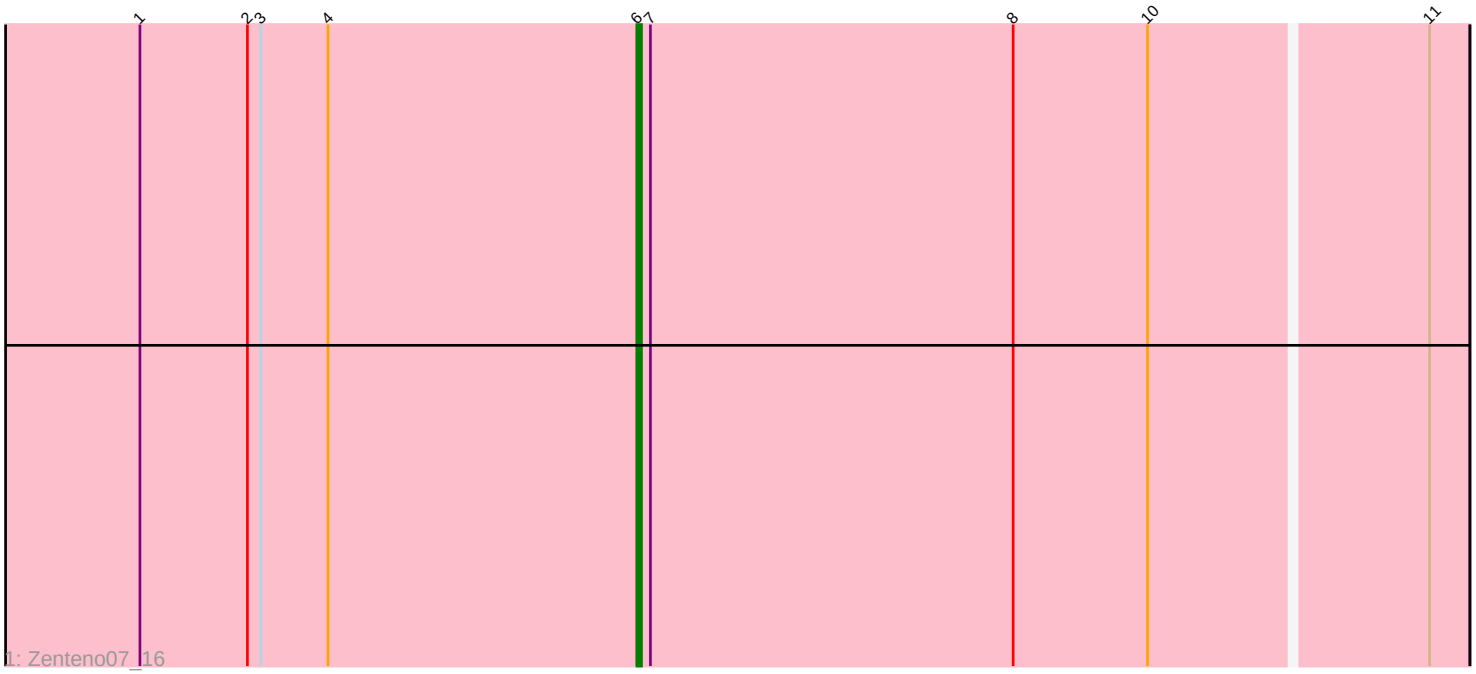
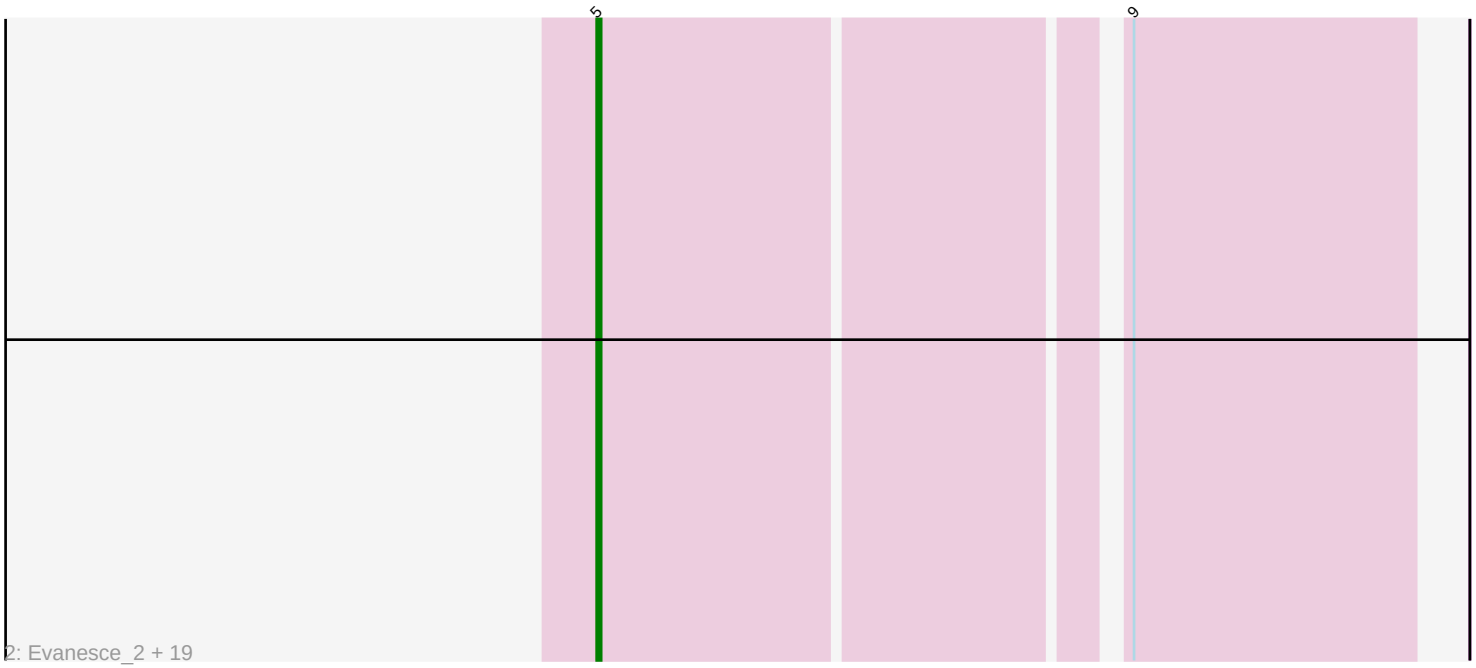
Pham 3762





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 3762 Report

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

Pham number 3762 has 21 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zenteno07_16
• Track 2 : Evanesce_2, Giles_2, Amymech_2, Hadrien_2, Ein37_2, Forge_2, Kinbote_2, LilHazelnut_2, HH92_2, Hail_2, Dewey_2, Webster2_2, Ubuntu_2, OBUpride_2, Daegal_2, Luke_2, DeepSoil15_2, Luna22_2, Wishmaker_2, Amochick_2

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 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_2, Amymech_2, Daegal_2, DeepSoil15_2, Dewey_2, Ein37_2, Evanesce_2, Forge_2, Giles_2, HH92_2, Hadrien_2, Hail_2, Kinbote_2, LilHazelnut_2, Luke_2, Luna22_2, OBUpride_2, Ubuntu_2, Webster2_2, Wishmaker_2,

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

Genes that do not have the "Most Annotated" start:
• Zenteno07_16,

Summary by start number:

Start 5:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amochick_2 (Q), Amymech_2 (Q), Daegal_2 (Q), DeepSoil15_2 (Q), Dewey_2 (Q), Ein37_2 (Q), Evanesce_2 (Q), Forge_2 (Q), Giles_2 (Q), HH92_2 (Q), Hadrien_2 (Q), Hail_2 (Q), Kinbote_2 (Q), LilHazelnut_2 (Q), Luke_2 (Q), Luna22_2 (Q), OBUpride_2 (Q), Ubuntu_2 (Q), Webster2_2 (Q), Wishmaker_2 (Q),

Start 6:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zenteno07_16 (B13),

Summary by clusters:

There are 2 clusters represented in this pham: Q, B13,

Info for manual annotations of cluster B13:
•Start number 6 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster Q:
•Start number 5 was manually annotated 20 times for cluster Q.

Gene Information:

Gene: Amochick_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Amochick_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Amymech_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Amymech_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Daegal_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Daegal_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: DeepSoil15_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for DeepSoil15_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Dewey_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Dewey_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Ein37_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Ein37_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Evanesce_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Evanesce_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Forge_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Forge_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Giles_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Giles_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: HH92_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for HH92_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Hadrien_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Hadrien_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Hail_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Hail_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Kinbote_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Kinbote_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: LilHazelnut_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for LilHazelnut_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Luke_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Luke_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Luna22_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Luna22_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: OBUpride_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for OBUpride_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Ubuntu_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Ubuntu_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Webster2_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Webster2_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Wishmaker_2 Start: 800, Stop: 630, Start Num: 5
Candidate Starts for Wishmaker_2:
(Start: 5 @800 has 20 MA's), (9, 692),

Gene: Zenteno07_16 Start: 10605, Stop: 10423, Start Num: 6
Candidate Starts for Zenteno07_16:
(1, 10716), (2, 10692), (3, 10689), (4, 10674), (Start: 6 @10605 has 1 MA's), (7, 10602), (8, 10521), (10, 10491), (11, 10431),