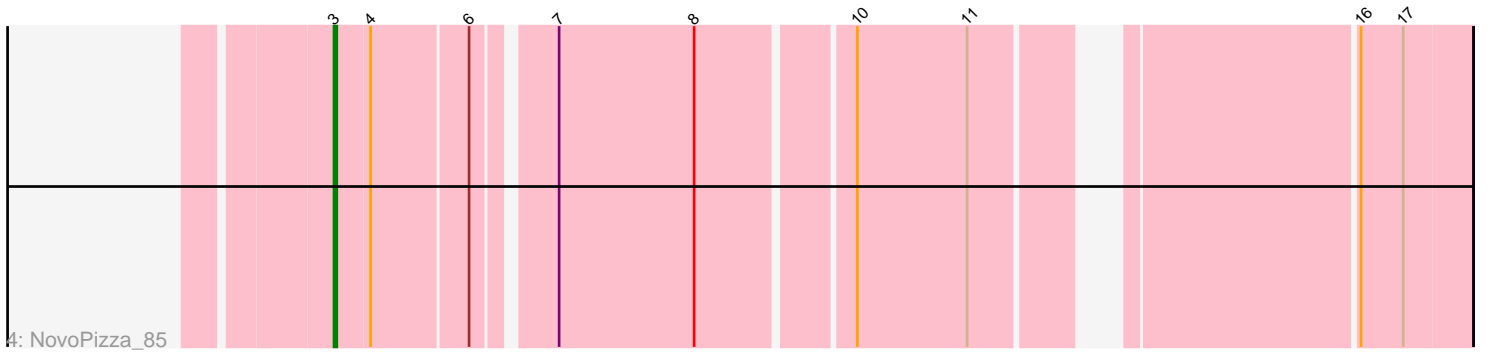
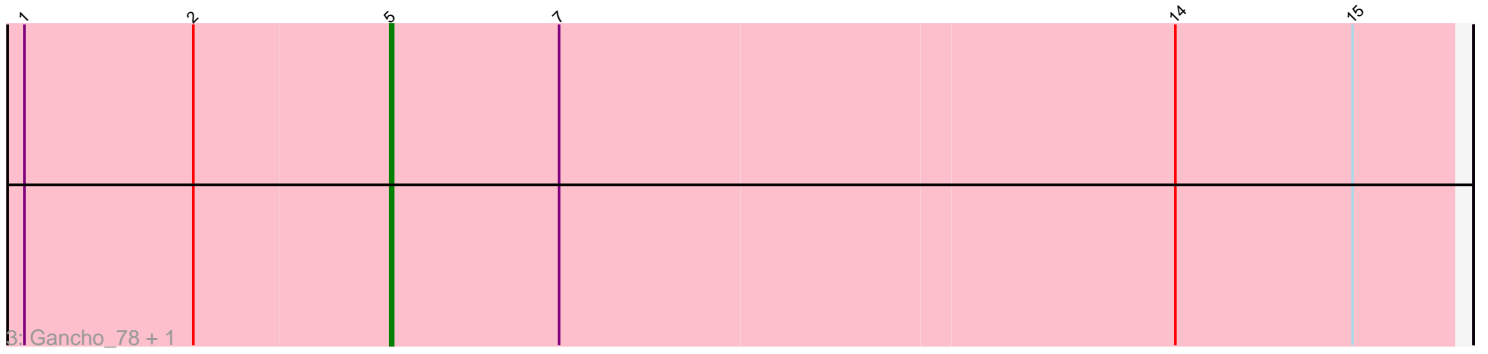
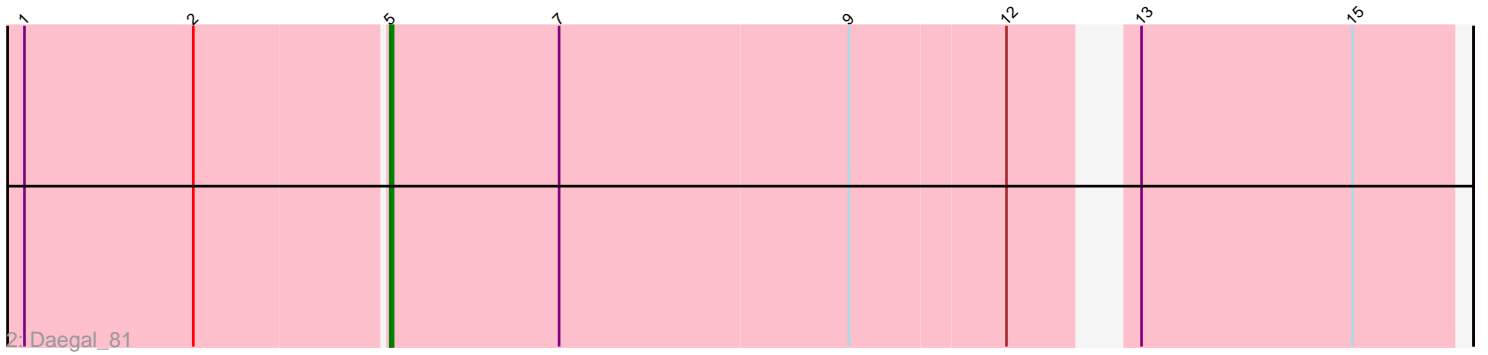
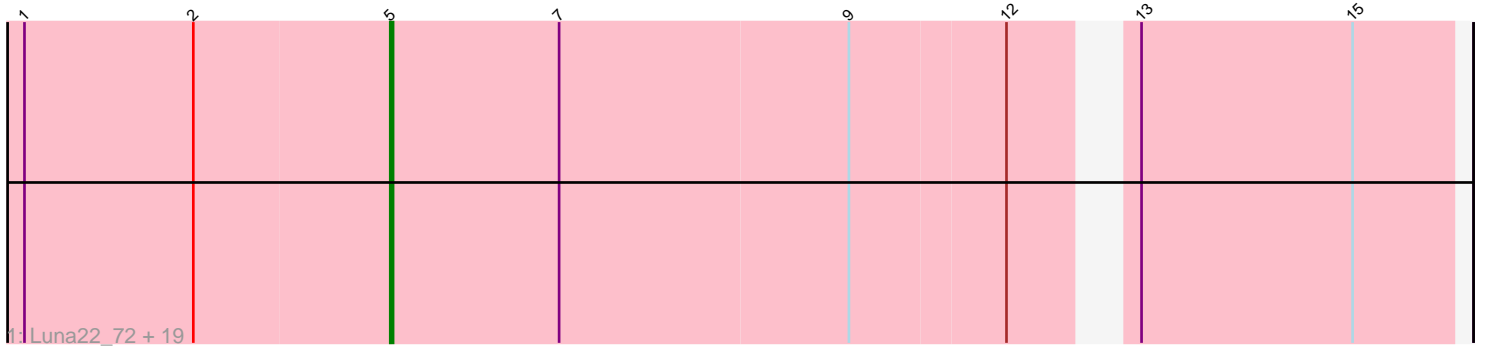


Pham 309185



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 309185 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309185 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Luna22_72, Hail_72, Amochick_80, LilHazelnut_79, BloominB_79, Evanesce_78, Kinbote_77, Giles_72, Amymech_79, Ubuntu_79, Webster2_79, OBUpride_78, Forge_72, Ein37_79, HH92_78, DeepSoil15_79, Dewey_72, Wishmaker_72, Luke_76, Hadrien_76
- Track 2 : Daegal_81
- Track 3 : Gancho_78, Gravaillia_73
- Track 4 : NovoPizza_85

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 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_80, Amymech_79, BloominB_79, Daegal_81, DeepSoil15_79, Dewey_72, Ein37_79, Evanesce_78, Forge_72, Gancho_78, Giles_72, Gravaillia_73, HH92_78, Hadrien_76, Hail_72, Kinbote_77, LilHazelnut_79, Luke_76, Luna22_72, OBUpride_78, Ubuntu_79, Webster2_79, Wishmaker_72,

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

-

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

- NovoPizza_85,

Summary by start number:

Start 3:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NovoPizza_85 (Q),

Start 5:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 22 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_80 (Q), Amymech_79 (Q), BloominB_79 (Q), Daegal_81 (Q), DeepSoil15_79 (Q), Dewey_72 (Q), Ein37_79 (Q), Evanesce_78 (Q), Forge_72 (Q), Gancho_78 (Q), Giles_72 (Q), Gravaillia_73 (Q), HH92_78 (Q), Hadrien_76 (Q), Hail_72 (Q), Kinbote_77 (Q), LilHazelNut_79 (Q), Luke_76 (Q), Luna22_72 (Q), OBUpride_78 (Q), Ubuntu_79 (Q), Webster2_79 (Q), Wishmaker_72 (Q),

Summary by clusters:

There is one cluster represented in this pham: Q

Info for manual annotations of cluster Q:

- Start number 3 was manually annotated 1 time for cluster Q.
- Start number 5 was manually annotated 22 times for cluster Q.

Gene Information:

Gene: Amochick_80 Start: 50863, Stop: 51219, Start Num: 5

Candidate Starts for Amochick_80:

(1, 50734), (2, 50794), (Start: 5 @50863 has 22 MA's), (7, 50923), (9, 51025), (12, 51079), (13, 51109), (15, 51184),

Gene: Amymech_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Amymech_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: BloominB_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for BloominB_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Daegal_81 Start: 51419, Stop: 51775, Start Num: 5

Candidate Starts for Daegal_81:

(1, 51293), (2, 51353), (Start: 5 @51419 has 22 MA's), (7, 51479), (9, 51581), (12, 51635), (13, 51665), (15, 51740),

Gene: DeepSoil15_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for DeepSoil15_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Dewey_72 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Dewey_72:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Ein37_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Ein37_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Evanesce_78 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Evanesce_78:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Forge_72 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Forge_72:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Gancho_78 Start: 50091, Stop: 50465, Start Num: 5

Candidate Starts for Gancho_78:

(1, 49962), (2, 50022), (Start: 5 @50091 has 22 MA's), (7, 50151), (14, 50367), (15, 50430),

Gene: Giles_72 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Giles_72:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Gravaillia_73 Start: 50372, Stop: 50746, Start Num: 5

Candidate Starts for Gravaillia_73:

(1, 50243), (2, 50303), (Start: 5 @50372 has 22 MA's), (7, 50432), (14, 50648), (15, 50711),

Gene: HH92_78 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for HH92_78:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Hadrien_76 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Hadrien_76:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Hail_72 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Hail_72:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Kinbote_77 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Kinbote_77:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: LilHazelnut_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for LilHazelnut_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Luke_76 Start: 50271, Stop: 50627, Start Num: 5

Candidate Starts for Luke_76:

(1, 50142), (2, 50202), (Start: 5 @50271 has 22 MA's), (7, 50331), (9, 50433), (12, 50487), (13, 50517), (15, 50592),

Gene: Luna22_72 Start: 50300, Stop: 50656, Start Num: 5

Candidate Starts for Luna22_72:

(1, 50171), (2, 50231), (Start: 5 @50300 has 22 MA's), (7, 50360), (9, 50462), (12, 50516), (13, 50546), (15, 50621),

Gene: NovoPizza_85 Start: 52788, Stop: 53147, Start Num: 3

Candidate Starts for NovoPizza_85:

(Start: 3 @52788 has 1 MA's), (4, 52800), (6, 52833), (7, 52857), (8, 52905), (10, 52956), (11, 52995), (16, 53109), (17, 53124),

Gene: OBUpride_78 Start: 50360, Stop: 50716, Start Num: 5

Candidate Starts for OBUpride_78:

(1, 50231), (2, 50291), (Start: 5 @50360 has 22 MA's), (7, 50420), (9, 50522), (12, 50576), (13, 50606), (15, 50681),

Gene: Ubuntu_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Ubuntu_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Webster2_79 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Webster2_79:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),

Gene: Wishmaker_72 Start: 50316, Stop: 50672, Start Num: 5

Candidate Starts for Wishmaker_72:

(1, 50187), (2, 50247), (Start: 5 @50316 has 22 MA's), (7, 50376), (9, 50478), (12, 50532), (13, 50562), (15, 50637),