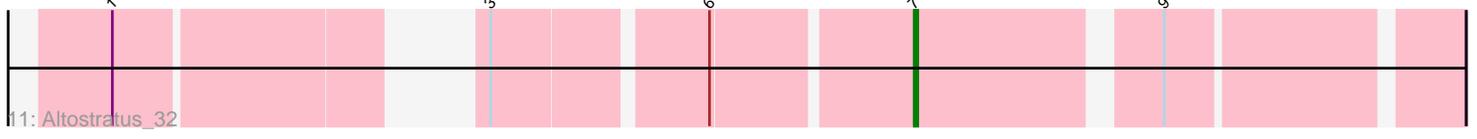
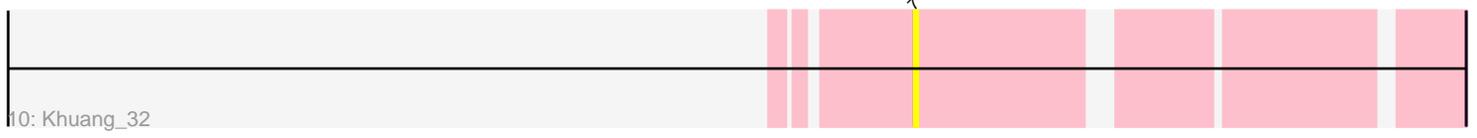
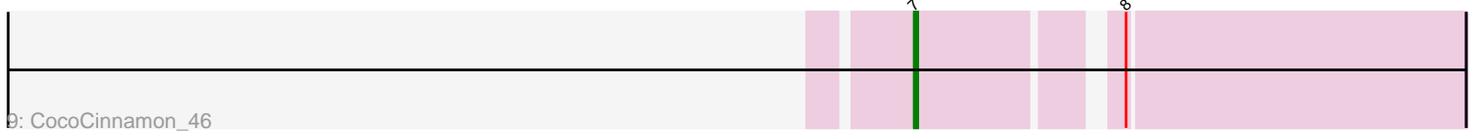
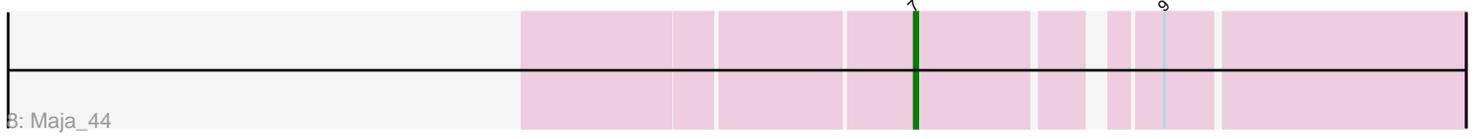
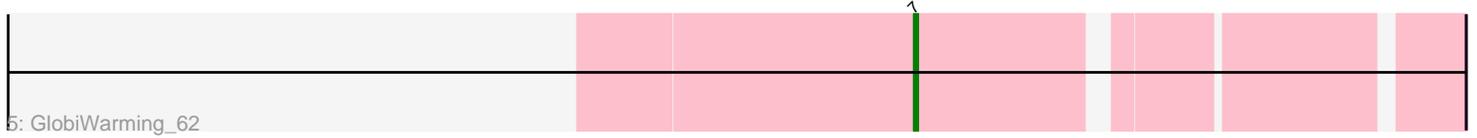
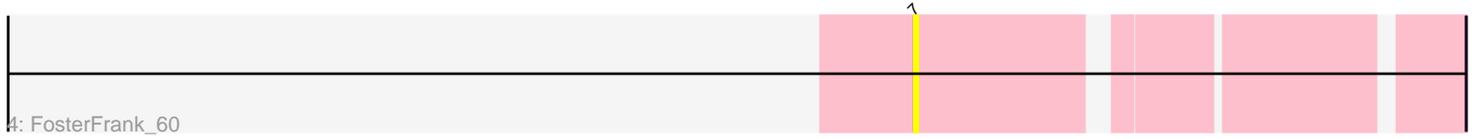
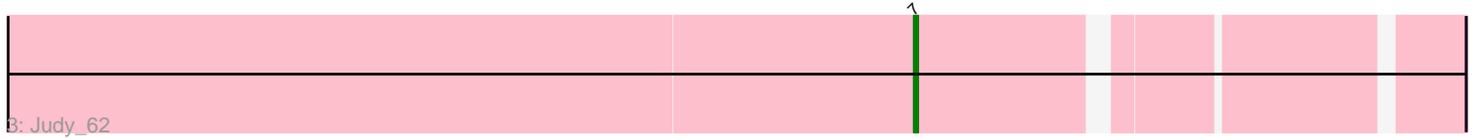
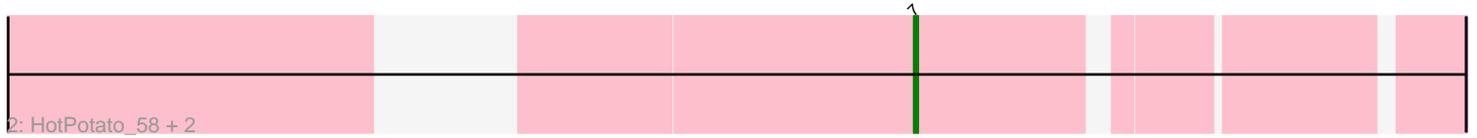
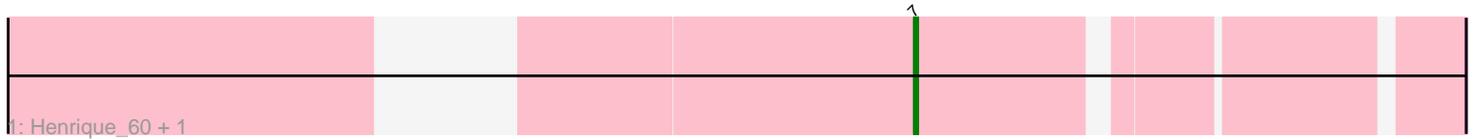


Pham 282561



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 282561 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282561 has 15 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Henrique_60, Peas_59
- Track 2 : HotPotato_58, Karkharias_57, Eileen_53
- Track 3 : Judy_62
- Track 4 : FosterFrank_60
- Track 5 : GlobiWarming_62
- Track 6 : Alatato_48, LeBruni_67
- Track 7 : PetriParty_78
- Track 8 : Maja_44
- Track 9 : CocoCinnamon_46
- Track 10 : Khuang_32
- Track 11 : Altostratus_32

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatato_48, Altostratus_32, CocoCinnamon_46, Eileen_53, FosterFrank_60, GlobiWarming_62, Henrique_60, HotPotato_58, Judy_62, Karkharias_57, Khuang_32, LeBruni_67, Maja_44, Peas_59, PetriParty_78,

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 7:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alatato_48 (FB), Altostratus_32 (FS), CocoCinnamon_46 (FO), Eileen_53 (FA), FosterFrank_60 (FA), GlobiWarming_62 (FA), Henrique_60 (FA), HotPotato_58 (FA), Judy_62 (FA), Karkharias_57 (FA), Khuang_32 (FS), LeBruni_67 (AY), Maja_44 (FO), Peas_59 (FA), PetriParty_78 (FJ),

Summary by clusters:

There are 6 clusters represented in this pham: FS, FA, FB, AY, FJ, FO,

Info for manual annotations of cluster FA:

- Start number 7 was manually annotated 5 times for cluster FA.

Info for manual annotations of cluster FB:

- Start number 7 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:

- Start number 7 was manually annotated 2 times for cluster FO.

Info for manual annotations of cluster FS:

- Start number 7 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Alatato_48 Start: 29479, Stop: 29622, Start Num: 7

Candidate Starts for Alatato_48:

(4, 29362), (Start: 7 @29479 has 9 MA's), (10, 29608),

Gene: Altostratus_32 Start: 23255, Stop: 23115, Start Num: 7

Candidate Starts for Altostratus_32:

(1, 23444), (3, 23366), (6, 23309), (Start: 7 @23255 has 9 MA's), (9, 23192),

Gene: CocoCinnamon_46 Start: 31408, Stop: 31554, Start Num: 7

Candidate Starts for CocoCinnamon_46:

(Start: 7 @31408 has 9 MA's), (8, 31459),

Gene: Eileen_53 Start: 34007, Stop: 34147, Start Num: 7

Candidate Starts for Eileen_53:

(Start: 7 @34007 has 9 MA's),

Gene: FosterFrank_60 Start: 35927, Stop: 36067, Start Num: 7

Candidate Starts for FosterFrank_60:

(Start: 7 @35927 has 9 MA's),

Gene: GlobiWarming_62 Start: 36338, Stop: 36478, Start Num: 7

Candidate Starts for GlobiWarming_62:

(Start: 7 @36338 has 9 MA's),

Gene: Henrique_60 Start: 35955, Stop: 36095, Start Num: 7

Candidate Starts for Henrique_60:

(Start: 7 @35955 has 9 MA's),

Gene: HotPotato_58 Start: 36668, Stop: 36808, Start Num: 7

Candidate Starts for HotPotato_58:

(Start: 7 @36668 has 9 MA's),

Gene: Judy_62 Start: 37292, Stop: 37432, Start Num: 7

Candidate Starts for Judy_62:

(Start: 7 @37292 has 9 MA's),

Gene: Karkharias_57 Start: 36158, Stop: 36298, Start Num: 7

Candidate Starts for Karkharias_57:

(Start: 7 @36158 has 9 MA's),

Gene: Khuang_32 Start: 23901, Stop: 23761, Start Num: 7

Candidate Starts for Khuang_32:

(Start: 7 @23901 has 9 MA's),

Gene: LeBruni_67 Start: 34896, Stop: 35039, Start Num: 7

Candidate Starts for LeBruni_67:

(4, 34779), (Start: 7 @34896 has 9 MA's), (10, 35025),

Gene: Maja_44 Start: 31812, Stop: 31955, Start Num: 7

Candidate Starts for Maja_44:

(Start: 7 @31812 has 9 MA's), (9, 31872),

Gene: Peas_59 Start: 37976, Stop: 38116, Start Num: 7

Candidate Starts for Peas_59:

(Start: 7 @37976 has 9 MA's),

Gene: PetriParty_78 Start: 42194, Stop: 42343, Start Num: 7

Candidate Starts for PetriParty_78:

(2, 42071), (5, 42128), (Start: 7 @42194 has 9 MA's),