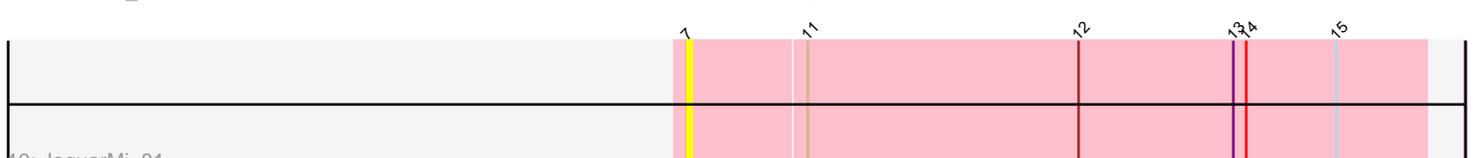
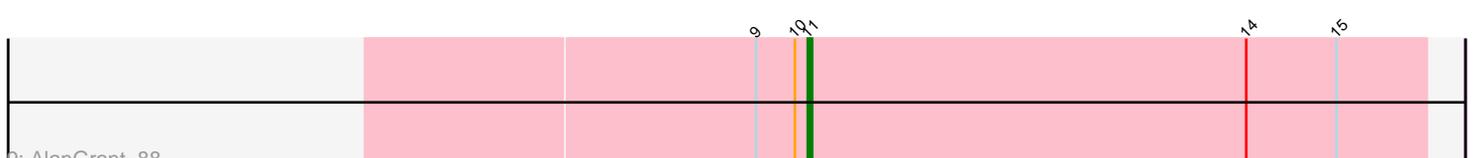
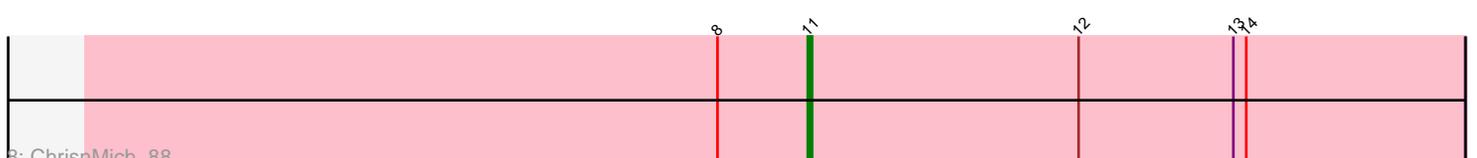
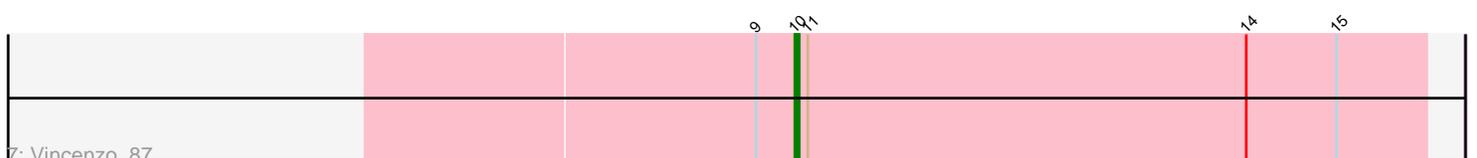
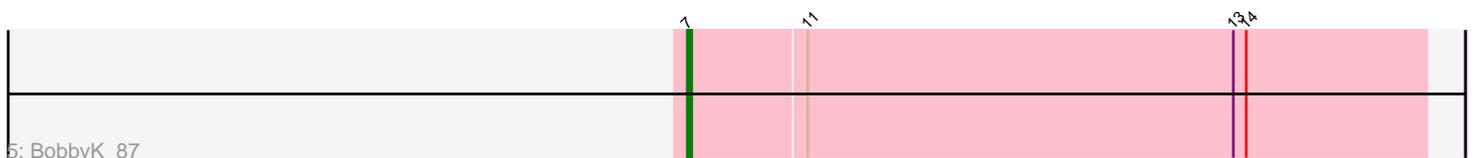
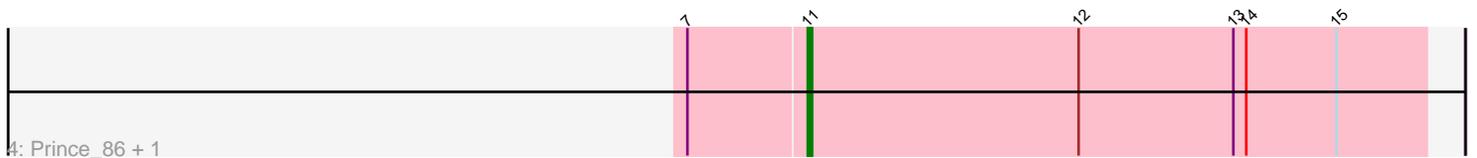
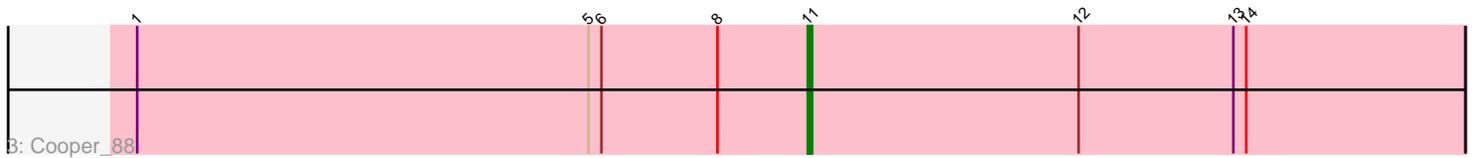
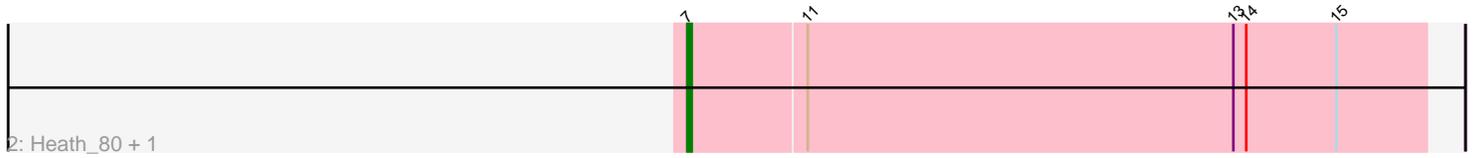
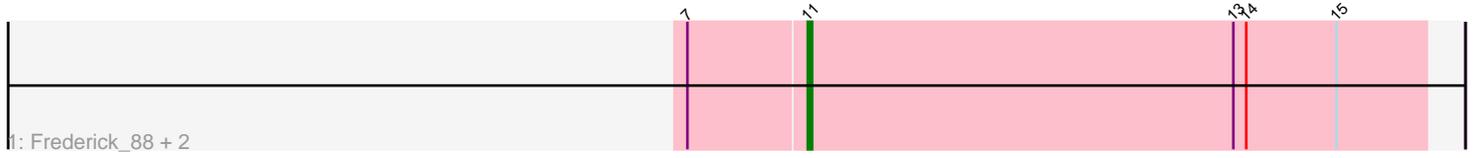


Pham 284308



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 284308 Report

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

Pham number 284308 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Frederick_88, Apex_88, Mudslide_87
- Track 2 : Heath_80, Lolalove_88
- Track 3 : Cooper_88
- Track 4 : Prince_86, VioletZ_89
- Track 5 : BobbyK_87
- Track 6 : JAMaL_86
- Track 7 : Vincenzo_87
- Track 8 : ChrisnMich_88
- Track 9 : AlanGrant_88
- Track 10 : JaguarMi_81

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

The start number called the most often in the published annotations is 11, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlanGrant_88, Apex_88, ChrisnMich_88, Cooper_88, Frederick_88, JAMaL_86, Mudslide_87, Prince_86, VioletZ_89,

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

- BobbyK_87, Heath_80, JaguarMi_81, Lolalove_88, Vincenzo_87,

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

-

Summary by start number:

Start 7:

- Found in 9 of 14 (64.3%) of genes in pham
- Manual Annotations of this start: 3 of 13
- Called 44.4% of time when present
- Phage (with cluster) where this start called: BobbyK_87 (B4), Heath_80 (B4), JaguarMi_81 (B4), Lolalove_88 (B4),

Start 10:

- Found in 2 of 14 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Vincenzo_87 (B4),

Start 11:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 13
- Called 64.3% of time when present
- Phage (with cluster) where this start called: AlanGrant_88 (B4), Apex_88 (B4), ChrisnMich_88 (B4), Cooper_88 (B4), Frederick_88 (B4), JAMaL_86 (B4), Mudslide_87 (B4), Prince_86 (B4), VioletZ_89 (B4),

Summary by clusters:

There is one cluster represented in this pham: B4

Info for manual annotations of cluster B4:

- Start number 7 was manually annotated 3 times for cluster B4.
- Start number 10 was manually annotated 1 time for cluster B4.
- Start number 11 was manually annotated 9 times for cluster B4.

Gene Information:

Gene: AlanGrant_88 Start: 66948, Stop: 66805, Start Num: 11

Candidate Starts for AlanGrant_88:

(9, 66960), (Start: 10 @66951 has 1 MA's), (Start: 11 @66948 has 9 MA's), (14, 66846), (15, 66825),

Gene: Apex_88 Start: 66270, Stop: 66127, Start Num: 11

Candidate Starts for Apex_88:

(Start: 7 @66297 has 3 MA's), (Start: 11 @66270 has 9 MA's), (13, 66171), (14, 66168), (15, 66147),

Gene: BobbyK_87 Start: 65805, Stop: 65635, Start Num: 7

Candidate Starts for BobbyK_87:

(Start: 7 @65805 has 3 MA's), (Start: 11 @65778 has 9 MA's), (13, 65679), (14, 65676),

Gene: ChrisnMich_88 Start: 65061, Stop: 64909, Start Num: 11

Candidate Starts for ChrisnMich_88:

(8, 65082), (Start: 11 @65061 has 9 MA's), (12, 64998), (13, 64962), (14, 64959),

Gene: Cooper_88 Start: 65574, Stop: 65422, Start Num: 11

Candidate Starts for Cooper_88:

(1, 65730), (5, 65625), (6, 65622), (8, 65595), (Start: 11 @65574 has 9 MA's), (12, 65511), (13, 65475), (14, 65472),

Gene: Frederick_88 Start: 66084, Stop: 65941, Start Num: 11

Candidate Starts for Frederick_88:

(Start: 7 @66111 has 3 MA's), (Start: 11 @66084 has 9 MA's), (13, 65985), (14, 65982), (15, 65961),

Gene: Heath_80 Start: 64111, Stop: 63941, Start Num: 7
Candidate Starts for Heath_80:
(Start: 7 @64111 has 3 MA's), (Start: 11 @64084 has 9 MA's), (13, 63985), (14, 63982), (15, 63961),

Gene: JAMaL_86 Start: 65643, Stop: 65500, Start Num: 11
Candidate Starts for JAMaL_86:
(2, 65790), (3, 65775), (4, 65730), (Start: 11 @65643 has 9 MA's), (12, 65580), (13, 65544), (14, 65541), (15, 65520),

Gene: JaguarMi_81 Start: 66176, Stop: 66006, Start Num: 7
Candidate Starts for JaguarMi_81:
(Start: 7 @66176 has 3 MA's), (Start: 11 @66149 has 9 MA's), (12, 66086), (13, 66050), (14, 66047), (15, 66026),

Gene: Lolalove_88 Start: 66142, Stop: 65972, Start Num: 7
Candidate Starts for Lolalove_88:
(Start: 7 @66142 has 3 MA's), (Start: 11 @66115 has 9 MA's), (13, 66016), (14, 66013), (15, 65992),

Gene: Mudslide_87 Start: 66345, Stop: 66202, Start Num: 11
Candidate Starts for Mudslide_87:
(Start: 7 @66372 has 3 MA's), (Start: 11 @66345 has 9 MA's), (13, 66246), (14, 66243), (15, 66222),

Gene: Prince_86 Start: 66212, Stop: 66069, Start Num: 11
Candidate Starts for Prince_86:
(Start: 7 @66239 has 3 MA's), (Start: 11 @66212 has 9 MA's), (12, 66149), (13, 66113), (14, 66110), (15, 66089),

Gene: Vincenzo_87 Start: 66981, Stop: 66835, Start Num: 10
Candidate Starts for Vincenzo_87:
(9, 66990), (Start: 10 @66981 has 1 MA's), (Start: 11 @66978 has 9 MA's), (14, 66876), (15, 66855),

Gene: VioletZ_89 Start: 66302, Stop: 66159, Start Num: 11
Candidate Starts for VioletZ_89:
(Start: 7 @66329 has 3 MA's), (Start: 11 @66302 has 9 MA's), (12, 66239), (13, 66203), (14, 66200), (15, 66179),