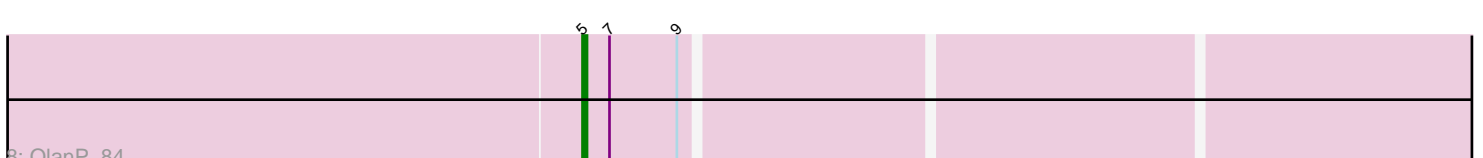
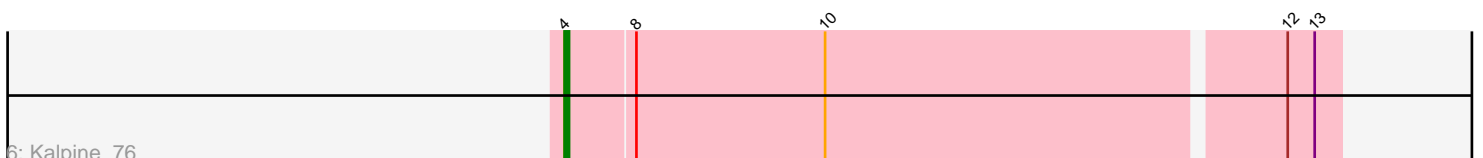
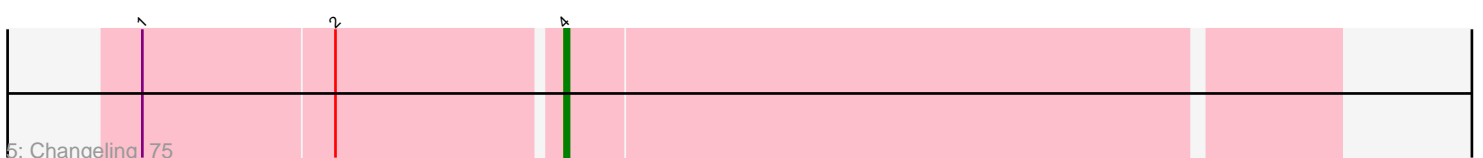
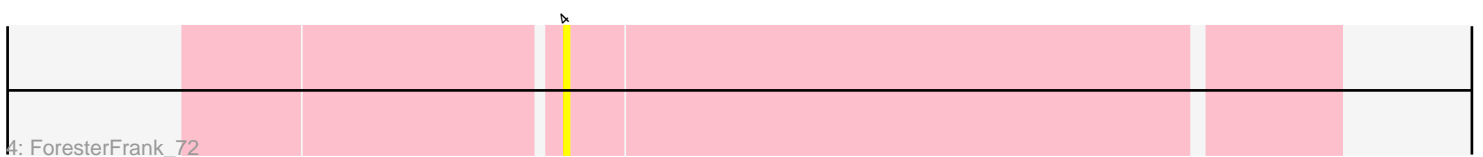
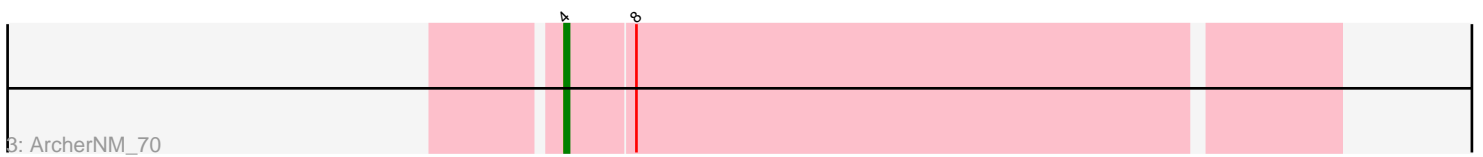
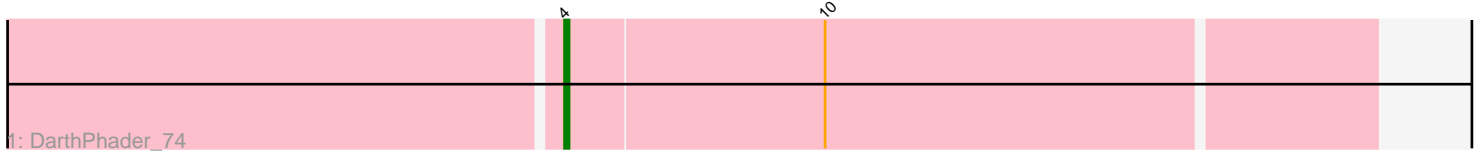


Pham 295028



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 295028 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295028 has 25 members, 4 are drafts.

Phages represented in each track:

- Track 1 : DarthPhader_74
- Track 2 : Sunhee_78
- Track 3 : ArcherNM_70
- Track 4 : ForesterFrank_72
- Track 5 : Changeling_75
- Track 6 : Kalpine_76
- Track 7 : Kalnoky_86, Phranny_78, Groupthink_86, Gemma_83, Pawn_84, PhishRPhriends_82, Marius_86, ClownCar_83, Heliosoles_83, Manu_85, HaveUMetTed_86, Kalb97_86, Reba_81, JeppNRM_86, Calvinny_83
- Track 8 : OlanP_84
- Track 9 : Priamo_81, Blinn1_83
- Track 10 : Toaka_78

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

Genes that call this "Most Annotated" start:

- Calvinny_83, ClownCar_83, Gemma_83, Groupthink_86, HaveUMetTed_86, Heliosoles_83, JeppNRM_86, Kalb97_86, Kalnoky_86, Manu_85, Marius_86, Pawn_84, PhishRPhriends_82, Phranny_78, Reba_81,

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

- OlanP_84,

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

- ArcherNM_70, Blinn1_83, Changeling_75, DarthPhader_74, ForesterFrank_72, Kalpine_76, Priamo_81, Sunhee_78, Toaka_78,

Summary by start number:

Start 3:

- Found in 1 of 25 (4.0%) 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: Toaka_78 (A9),

Start 4:

- Found in 9 of 25 (36.0%) of genes in pham
- Manual Annotations of this start: 6 of 21
- Called 88.9% of time when present
- Phage (with cluster) where this start called: ArcherNM_70 (A2), Blinn1_83 (A6), Changeling_75 (A2), DarthPhader_74 (A12), ForesterFrank_72 (A2), Kalpine_76 (A2), Priamo_81 (A6), Sunhee_78 (A14),

Start 5:

- Found in 16 of 25 (64.0%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 6.2% of time when present
- Phage (with cluster) where this start called: OlanP_84 (A3),

Start 7:

- Found in 16 of 25 (64.0%) of genes in pham
- Manual Annotations of this start: 13 of 21
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Calvinny_83 (A3), ClownCar_83 (A3), Gemma_83 (A3), Groupthink_86 (A3), HaveUMetTed_86 (A3), Heliosoles_83 (A3), JeppNRM_86 (A3), Kalb97_86 (A3), Kalnoky_86 (A3), Manu_85 (A3), Marius_86 (A3), Pawn_84 (A3), PhishRPhriends_82 (A3), Phranny_78 (A3), Reba_81 (A3),

Summary by clusters:

There are 6 clusters represented in this pham: A14, A12, A3, A2, A6, A9,

Info for manual annotations of cluster A12:

- Start number 4 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A2:

- Start number 4 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 5 was manually annotated 1 time for cluster A3.
- Start number 7 was manually annotated 13 times for cluster A3.

Info for manual annotations of cluster A6:

- Start number 4 was manually annotated 2 times for cluster A6.

Info for manual annotations of cluster A9:

- Start number 3 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: ArcherNM_70 Start: 45375, Stop: 45208, Start Num: 4

Candidate Starts for ArcherNM_70:
(Start: 4 @45375 has 6 MA's), (8, 45360),

Gene: Blinn1_83 Start: 45509, Stop: 45342, Start Num: 4
Candidate Starts for Blinn1_83:
(Start: 4 @45509 has 6 MA's), (6, 45503), (8, 45494),

Gene: Calvinny_83 Start: 47436, Stop: 47215, Start Num: 7
Candidate Starts for Calvinny_83:
(Start: 5 @47442 has 1 MA's), (Start: 7 @47436 has 13 MA's), (9, 47421),

Gene: Changeling_75 Start: 46099, Stop: 45932, Start Num: 4
Candidate Starts for Changeling_75:
(1, 46189), (2, 46147), (Start: 4 @46099 has 6 MA's),

Gene: ClownCar_83 Start: 47430, Stop: 47209, Start Num: 7
Candidate Starts for ClownCar_83:
(Start: 5 @47436 has 1 MA's), (Start: 7 @47430 has 13 MA's), (9, 47415),

Gene: DarthPhader_74 Start: 46216, Stop: 46040, Start Num: 4
Candidate Starts for DarthPhader_74:
(Start: 4 @46216 has 6 MA's), (10, 46159),

Gene: ForesterFrank_72 Start: 45901, Stop: 45734, Start Num: 4
Candidate Starts for ForesterFrank_72:
(Start: 4 @45901 has 6 MA's),

Gene: Gemma_83 Start: 47433, Stop: 47212, Start Num: 7
Candidate Starts for Gemma_83:
(Start: 5 @47439 has 1 MA's), (Start: 7 @47433 has 13 MA's), (9, 47418),

Gene: Groupthink_86 Start: 47435, Stop: 47214, Start Num: 7
Candidate Starts for Groupthink_86:
(Start: 5 @47441 has 1 MA's), (Start: 7 @47435 has 13 MA's), (9, 47420),

Gene: HaveUMetTed_86 Start: 47423, Stop: 47202, Start Num: 7
Candidate Starts for HaveUMetTed_86:
(Start: 5 @47429 has 1 MA's), (Start: 7 @47423 has 13 MA's), (9, 47408),

Gene: Heliosoles_83 Start: 47439, Stop: 47218, Start Num: 7
Candidate Starts for Heliosoles_83:
(Start: 5 @47445 has 1 MA's), (Start: 7 @47439 has 13 MA's), (9, 47424),

Gene: JeppNRM_86 Start: 47437, Stop: 47216, Start Num: 7
Candidate Starts for JeppNRM_86:
(Start: 5 @47443 has 1 MA's), (Start: 7 @47437 has 13 MA's), (9, 47422),

Gene: Kalb97_86 Start: 46805, Stop: 46584, Start Num: 7
Candidate Starts for Kalb97_86:
(Start: 5 @46811 has 1 MA's), (Start: 7 @46805 has 13 MA's), (9, 46790),

Gene: Kalnoky_86 Start: 47432, Stop: 47211, Start Num: 7
Candidate Starts for Kalnoky_86:

(Start: 5 @47438 has 1 MA's), (Start: 7 @47432 has 13 MA's), (9, 47417),

Gene: Kalpine_76 Start: 46163, Stop: 45996, Start Num: 4

Candidate Starts for Kalpine_76:

(Start: 4 @46163 has 6 MA's), (8, 46148), (10, 46106), (12, 46007), (13, 46001),

Gene: Manu_85 Start: 47439, Stop: 47218, Start Num: 7

Candidate Starts for Manu_85:

(Start: 5 @47445 has 1 MA's), (Start: 7 @47439 has 13 MA's), (9, 47424),

Gene: Marius_86 Start: 47432, Stop: 47211, Start Num: 7

Candidate Starts for Marius_86:

(Start: 5 @47438 has 1 MA's), (Start: 7 @47432 has 13 MA's), (9, 47417),

Gene: OlanP_84 Start: 47616, Stop: 47389, Start Num: 5

Candidate Starts for OlanP_84:

(Start: 5 @47616 has 1 MA's), (Start: 7 @47610 has 13 MA's), (9, 47595),

Gene: Pawn_84 Start: 47439, Stop: 47218, Start Num: 7

Candidate Starts for Pawn_84:

(Start: 5 @47445 has 1 MA's), (Start: 7 @47439 has 13 MA's), (9, 47424),

Gene: PhishRPhriends_82 Start: 46619, Stop: 46398, Start Num: 7

Candidate Starts for PhishRPhriends_82:

(Start: 5 @46625 has 1 MA's), (Start: 7 @46619 has 13 MA's), (9, 46604),

Gene: Phranny_78 Start: 44887, Stop: 44666, Start Num: 7

Candidate Starts for Phranny_78:

(Start: 5 @44893 has 1 MA's), (Start: 7 @44887 has 13 MA's), (9, 44872),

Gene: Priamo_81 Start: 44855, Stop: 44688, Start Num: 4

Candidate Starts for Priamo_81:

(Start: 4 @44855 has 6 MA's), (6, 44849), (8, 44840),

Gene: Reba_81 Start: 46275, Stop: 46054, Start Num: 7

Candidate Starts for Reba_81:

(Start: 5 @46281 has 1 MA's), (Start: 7 @46275 has 13 MA's), (9, 46260),

Gene: Sunhee_78 Start: 44429, Stop: 44244, Start Num: 4

Candidate Starts for Sunhee_78:

(Start: 4 @44429 has 6 MA's), (8, 44414), (10, 44372), (11, 44336),

Gene: Toaka_78 Start: 45406, Stop: 45206, Start Num: 3

Candidate Starts for Toaka_78:

(Start: 3 @45406 has 1 MA's), (Start: 4 @45391 has 6 MA's), (8, 45376), (14, 45220),