Pham 239375


1: Raphaella_44 + 1
2: Satrap_45 + 4
3: Lawnathon_46
4: Faja_43 + 2
5: Richie_46
6: ThayneTheZag_45
7: SonDevVon_45 + 1
8: LeBruni_45
9: Persistence_40
10: Sashimi_45
11: RootBeer_28
12: Alatato_30

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 239375 Report

This analysis was run 02/07/26 on database version 634.

Pham number 239375 has 20 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Raphaella_44, Globfish_44
• Track 2 : Satrap_45, AbbyDaisy_41, Anekin_40, Crescenzo_44, DarwinJr_47
• Track 3 : Lawnathon_46
• Track 4 : Faja_43, Sporco_46, BasketStar_45
• Track 5 : Richie_46
• Track 6 : ThayneTheZag_45
• Track 7 : SonDevVon_45, CookieBear_45
• Track 8 : LeBruni_45
• Track 9 : Persistence_40
• Track 10 : Sashimi_45
• Track 11 : RootBeer_28
• Track 12 : Alatato_30

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_30, CookieBear_45, Lawnathon_46, Persistence_40, RootBeer_28, Sashimi_45, SonDevVon_45, ThayneTheZag_45,

Genes that have the "Most Annotated" start but do not call it:
• AbbyDaisy_41, Anekin_40, BasketStar_45, Crescenzo_44, DarwinJr_47, Faja_43, Globfish_44, LeBruni_45, Raphaella_44, Richie_46, Satrap_45, Sporco_46,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 2:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 13

• Called 40.0% of time when present
• Phage (with cluster) where this start called: Alatato_30 (FB), CookieBear_45 (AY), Lawnathon_46 (AY), Persistence_40 (AY), RootBeer_28 (FA), Sashimi_45 (AY), SonDevVon_45 (AY), ThayneTheZag_45 (AY),

Start 3:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 44.4% of time when present
• Phage (with cluster) where this start called: BasketStar_45 (AY), Faja_43 (AY), Richie_46 (AY), Sporco_46 (AY),

Start 4:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 55.6% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_41 (AY), Anekin_40 (AY), Crescenzo_44 (AY), DarwinJr_47 (AY), Satrap_45 (AY),

Start 7:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Globfish_44 (AY), Raphaella_44 (AY),

Start 8:
• Found in 13 of 20 (65.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.7% of time when present
• Phage (with cluster) where this start called: LeBruni_45 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FA, FB,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 5 times for cluster AY.
•Start number 3 was manually annotated 2 times for cluster AY.
•Start number 4 was manually annotated 2 times for cluster AY.
•Start number 7 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FA:
•Start number 2 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FB:
•Start number 2 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: AbbyDaisy_41 Start: 28747, Stop: 28574, Start Num: 4
Candidate Starts for AbbyDaisy_41:

(Start: 2 @28783 has 7 MA's), (Start: 4 @28747 has 2 MA's), (11, 28585),

Gene: Alatato_30 Start: 24025, Stop: 23813, Start Num: 2
Candidate Starts for Alatato_30:
(Start: 2 @24025 has 7 MA's), (Start: 4 @23989 has 2 MA's), (5, 23986), (8, 23965), (11, 23827),

Gene: Anekin_40 Start: 28238, Stop: 28065, Start Num: 4
Candidate Starts for Anekin_40:
(Start: 2 @28274 has 7 MA's), (Start: 4 @28238 has 2 MA's), (11, 28076),

Gene: BasketStar_45 Start: 29266, Stop: 29093, Start Num: 3
Candidate Starts for BasketStar_45:
(Start: 2 @29293 has 7 MA's), (Start: 3 @29266 has 2 MA's), (8, 29242), (11, 29104),

Gene: CookieBear_45 Start: 29148, Stop: 28948, Start Num: 2
Candidate Starts for CookieBear_45:
(Start: 2 @29148 has 7 MA's), (Start: 3 @29121 has 2 MA's), (8, 29097), (11, 28959),

Gene: Crescenzo_44 Start: 29406, Stop: 29233, Start Num: 4
Candidate Starts for Crescenzo_44:
(Start: 2 @29442 has 7 MA's), (Start: 4 @29406 has 2 MA's), (11, 29244),

Gene: DarwinJr_47 Start: 29949, Stop: 29776, Start Num: 4
Candidate Starts for DarwinJr_47:
(Start: 2 @29985 has 7 MA's), (Start: 4 @29949 has 2 MA's), (11, 29787),

Gene: Faja_43 Start: 30063, Stop: 29890, Start Num: 3
Candidate Starts for Faja_43:
(Start: 2 @30090 has 7 MA's), (Start: 3 @30063 has 2 MA's), (8, 30039), (11, 29901),

Gene: Globfish_44 Start: 28766, Stop: 28602, Start Num: 7
Candidate Starts for Globfish_44:
(Start: 2 @28802 has 7 MA's), (Start: 3 @28775 has 2 MA's), (Start: 7 @28766 has 2 MA's), (8, 28751), (11, 28613),

Gene: Lawnathon_46 Start: 29210, Stop: 29010, Start Num: 2
Candidate Starts for Lawnathon_46:
(Start: 2 @29210 has 7 MA's), (Start: 3 @29183 has 2 MA's), (Start: 7 @29174 has 2 MA's), (8, 29159), (11, 29021),

Gene: LeBruni_45 Start: 28334, Stop: 28185, Start Num: 8
Candidate Starts for LeBruni_45:
(Start: 2 @28394 has 7 MA's), (Start: 4 @28358 has 2 MA's), (8, 28334), (9, 28256), (11, 28196),

Gene: Persistence_40 Start: 27604, Stop: 27395, Start Num: 2
Candidate Starts for Persistence_40:
(Start: 2 @27604 has 7 MA's), (Start: 4 @27568 has 2 MA's), (11, 27406),

Gene: Raphaella_44 Start: 28714, Stop: 28550, Start Num: 7
Candidate Starts for Raphaella_44:
(Start: 2 @28750 has 7 MA's), (Start: 3 @28723 has 2 MA's), (Start: 7 @28714 has 2 MA's), (8, 28699), (11, 28561),

Gene: Richie_46 Start: 29344, Stop: 29171, Start Num: 3
Candidate Starts for Richie_46:
(Start: 2 @29371 has 7 MA's), (Start: 3 @29344 has 2 MA's), (Start: 7 @29335 has 2 MA's), (8, 29320), (11, 29182),

Gene: RootBeer_28 Start: 22736, Stop: 22948, Start Num: 2
Candidate Starts for RootBeer_28:
(1, 22724), (Start: 2 @22736 has 7 MA's), (Start: 4 @22772 has 2 MA's), (5, 22775), (6, 22778), (8, 22796), (9, 22874), (10, 22904), (11, 22934),

Gene: Sashimi_45 Start: 30163, Stop: 29963, Start Num: 2
Candidate Starts for Sashimi_45:
(Start: 2 @30163 has 7 MA's), (11, 29974),

Gene: Satrap_45 Start: 29418, Stop: 29245, Start Num: 4
Candidate Starts for Satrap_45:
(Start: 2 @29454 has 7 MA's), (Start: 4 @29418 has 2 MA's), (11, 29256),

Gene: SonDevVon_45 Start: 29359, Stop: 29159, Start Num: 2
Candidate Starts for SonDevVon_45:
(Start: 2 @29359 has 7 MA's), (Start: 3 @29332 has 2 MA's), (8, 29308), (11, 29170),

Gene: Sporco_46 Start: 29531, Stop: 29358, Start Num: 3
Candidate Starts for Sporco_46:
(Start: 2 @29558 has 7 MA's), (Start: 3 @29531 has 2 MA's), (8, 29507), (11, 29369),

Gene: ThayneTheZag_45 Start: 29073, Stop: 28873, Start Num: 2
Candidate Starts for ThayneTheZag_45:
(Start: 2 @29073 has 7 MA's), (8, 29022), (11, 28884),