Pham 3062

1: Blueberry_45 + 3

2: JuJu_49 + 2

3: PCoral7_45 + 2

4: Mellie_42 + 6

5: Fairfaxidum_46

6: Frokostdame_46

7: Fenry_42

8: Wocket_44 + 1

9: Murp_46

10: Jalammah_47

11: William_46

12: Lysidious_43

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 3062 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3062 has 26 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Blueberry_45, Gambino_48, Azula_46, MissRona_46
• Track 2 : JuJu_49, CarolAnn_47, Blino_48
• Track 3 : PCoral7_45, PrincePatrick_44, Toast_45
• Track 4 : Mellie_42, ZiggyZoo_45, Samba_43, Malachai_43, Begonia_43, Utz_38, Wisp_42
• Track 5 : Fairfaxidum_46
• Track 6 : Frokostdame_46
• Track 7 : Fenry_42
• Track 8 : Wocket_44, KappaFarmDelta_45
• Track 9 : Murp_46
• Track 10 : Jalammah_47
• Track 11 : William_46
• Track 12 : Lysidious_43

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azula_46, Blino_48, Blueberry_45, CarolAnn_47, Fenry_42, Frokostdame_46, Gambino_48, Jalammah_47, JuJu_49, KappaFarmDelta_45, Lysidious_43, MissRona_46, Wocket_44,

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

Genes that do not have the "Most Annotated" start:
• Begonia_43, Fairfaxidum_46, Malachai_43, Mellie_42, Murp_46, PCoral7_45, PrincePatrick_44, Samba_43, Toast_45, Utz_38, William_46, Wisp_42, ZiggyZoo_45,

Summary by start number:

Start 7:

• Found in 7 of 26 (26.9%) of genes in pham
• Manual Annotations of this start: 6 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Begonia_43 (CV), Malachai_43 (CV), Mellie_42 (CV), Samba_43 (CV), Utz_38 (CV), Wisp_42 (CV), ZiggyZoo_45 (CV),

Start 8:
• Found in 13 of 26 (50.0%) of genes in pham
• Manual Annotations of this start: 13 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azula_46 (CV), Blino_48 (CV), Blueberry_45 (CV), CarolAnn_47 (CV), Fenry_42 (CV), Frokostdame_46 (CV), Gambino_48 (CV), Jalammah_47 (CV), JuJu_49 (CV), KappaFarmDelta_45 (CV), Lysidious_43 (CV), MissRona_46 (CV), Wocket_44 (CV),

Start 9:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Murp_46 (CV),

Start 10:
• Found in 5 of 26 (19.2%) of genes in pham
• Manual Annotations of this start: 4 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fairfaxidum_46 (CV), PCoral7_45 (CV), PrincePatrick_44 (CV), Toast_45 (CV), William_46 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 7 was manually annotated 6 times for cluster CV.
•Start number 8 was manually annotated 13 times for cluster CV.
•Start number 9 was manually annotated 1 time for cluster CV.
•Start number 10 was manually annotated 4 times for cluster CV.

Gene Information:

Gene: Azula_46 Start: 35025, Stop: 35198, Start Num: 8
Candidate Starts for Azula_46:
(Start: 8 @35025 has 13 MA's),

Gene: Begonia_43 Start: 35129, Stop: 35308, Start Num: 7
Candidate Starts for Begonia_43:
(Start: 7 @35129 has 6 MA's),

Gene: Blino_48 Start: 38318, Stop: 38494, Start Num: 8
Candidate Starts for Blino_48:
(5, 38282), (Start: 8 @38318 has 13 MA's),

Gene: Blueberry_45 Start: 35025, Stop: 35198, Start Num: 8
Candidate Starts for Blueberry_45:
(Start: 8 @35025 has 13 MA's),

Gene: CarolAnn_47 Start: 38317, Stop: 38493, Start Num: 8
Candidate Starts for CarolAnn_47:
(5, 38281), (Start: 8 @38317 has 13 MA's),

Gene: Fairfaxidum_46 Start: 35753, Stop: 35917, Start Num: 10
Candidate Starts for Fairfaxidum_46:
(4, 35624), (6, 35708), (Start: 10 @35753 has 4 MA's), (12, 35819),

Gene: Fenry_42 Start: 34029, Stop: 34205, Start Num: 8
Candidate Starts for Fenry_42:
(Start: 8 @34029 has 13 MA's),

Gene: Frokostdame_46 Start: 34763, Stop: 34939, Start Num: 8
Candidate Starts for Frokostdame_46:
(1, 34346), (2, 34412), (Start: 8 @34763 has 13 MA's), (11, 34802),

Gene: Gambino_48 Start: 35025, Stop: 35198, Start Num: 8
Candidate Starts for Gambino_48:
(Start: 8 @35025 has 13 MA's),

Gene: Jalammah_47 Start: 35342, Stop: 35518, Start Num: 8
Candidate Starts for Jalammah_47:
(Start: 8 @35342 has 13 MA's),

Gene: JuJu_49 Start: 36104, Stop: 36280, Start Num: 8
Candidate Starts for JuJu_49:
(5, 36068), (Start: 8 @36104 has 13 MA's),

Gene: KappaFarmDelta_45 Start: 32970, Stop: 33143, Start Num: 8
Candidate Starts for KappaFarmDelta_45:
(Start: 8 @32970 has 13 MA's),

Gene: Lysidious_43 Start: 34068, Stop: 34247, Start Num: 8
Candidate Starts for Lysidious_43:
(Start: 8 @34068 has 13 MA's), (11, 34107),

Gene: Malachai_43 Start: 35129, Stop: 35308, Start Num: 7
Candidate Starts for Malachai_43:
(Start: 7 @35129 has 6 MA's),

Gene: Mellie_42 Start: 32848, Stop: 33027, Start Num: 7
Candidate Starts for Mellie_42:
(Start: 7 @32848 has 6 MA's),

Gene: MissRona_46 Start: 35026, Stop: 35199, Start Num: 8
Candidate Starts for MissRona_46:
(Start: 8 @35026 has 13 MA's),

Gene: Murp_46 Start: 36602, Stop: 36769, Start Num: 9
Candidate Starts for Murp_46:
(Start: 9 @36602 has 1 MA's),

Gene: PCoral7_45 Start: 35171, Stop: 35335, Start Num: 10
Candidate Starts for PCoral7_45:
(4, 35042), (Start: 10 @35171 has 4 MA's), (12, 35237),

Gene: PrincePatrick_44 Start: 33524, Stop: 33688, Start Num: 10
Candidate Starts for PrincePatrick_44:
(4, 33395), (Start: 10 @33524 has 4 MA's), (12, 33590),

Gene: Samba_43 Start: 35238, Stop: 35417, Start Num: 7
Candidate Starts for Samba_43:
(Start: 7 @35238 has 6 MA's),

Gene: Toast_45 Start: 35171, Stop: 35335, Start Num: 10
Candidate Starts for Toast_45:
(4, 35042), (Start: 10 @35171 has 4 MA's), (12, 35237),

Gene: Utz_38 Start: 33928, Stop: 34107, Start Num: 7
Candidate Starts for Utz_38:
(Start: 7 @33928 has 6 MA's),

Gene: William_46 Start: 35209, Stop: 35373, Start Num: 10
Candidate Starts for William_46:
(3, 35059), (4, 35080), (Start: 10 @35209 has 4 MA's), (12, 35275),

Gene: Wisp_42 Start: 33979, Stop: 34158, Start Num: 7
Candidate Starts for Wisp_42:
(Start: 7 @33979 has 6 MA's),

Gene: Wocket_44 Start: 33135, Stop: 33308, Start Num: 8
Candidate Starts for Wocket_44:
(Start: 8 @33135 has 13 MA's),

Gene: ZiggyZoo_45 Start: 35199, Stop: 35378, Start Num: 7
Candidate Starts for ZiggyZoo_45:
(Start: 7 @35199 has 6 MA's),