Pham 288085

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 288085 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288085 has 33 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lannister_1
• Track 2 : Daudau_1
• Track 3 : TinaBelcher_1, Alvy_1, Paedore_1, Omar_1, Thestral_1, TrvxScott_1, Bowden_1, BartholomewSD_1, Loofah_1
• Track 4 : Jevington_1, Paolo_1, Puginator_1
• Track 5 : Caelum_1, ELB20_01
• Track 6 : Nishikigoi_1, Haizum_1, Tefunt_1
• Track 7 : Zainub_1, Marav_1
• Track 8 : Issmi_1
• Track 9 : Amethyst_1, Diane_1
• Track 10 : SqueakyClean_1
• Track 11 : Axiom_1, Animus_1, Triumph_1, GirlDinner_1
• Track 12 : Pablito_1
• Track 13 : Superstar_1
• Track 14 : Janus_1
• Track 15 : Hank144_1

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

The start number called the most often in the published annotations is 9, it was called in 25 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alvy_1, Amethyst_1, Animus_1, Axiom_1, BartholomewSD_1, Bowden_1, Caelum_1, Diane_1, ELB20_01, GirlDinner_1, Haizum_1, Issmi_1, Janus_1, Loofah_1, Marav_1, Nishikigoi_1, Omar_1, Pablito_1, Paedore_1, Superstar_1, Tefunt_1, Thestral_1, TinaBelcher_1, Triumph_1, TrvxScott_1, Zainub_1,

Genes that have the "Most Annotated" start but do not call it:
• Daudau_1, Hank144_1, Jevington_1, Paolo_1, Puginator_1, SqueakyClean_1,

Genes that do not have the "Most Annotated" start:
• Lannister_1,

Summary by start number:

Start 3:
• Found in 7 of 33 (21.2%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Daudau_1 (BD2),

Start 4:
• Found in 5 of 33 (15.2%) of genes in pham
• Manual Annotations of this start: 3 of 32
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Jevington_1 (BD2), Paolo_1 (BD2), Puginator_1 (BD2),

Start 6:
• Found in 2 of 33 (6.1%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 50.0% of time when present
• Phage (with cluster) where this start called: SqueakyClean_1 (BD2),

Start 8:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hank144_1 (BD2),

Start 9:
• Found in 32 of 33 (97.0%) of genes in pham
• Manual Annotations of this start: 25 of 32
• Called 81.2% of time when present
• Phage (with cluster) where this start called: Alvy_1 (BD2), Amethyst_1 (BD2), Animus_1 (BD2), Axiom_1 (BD2), BartholomewSD_1 (BD2), Bowden_1 (BD2), Caelum_1 (BD2), Diane_1 (BD2), ELB20_01 (BD2), GirlDinner_1 (BD2), Haizum_1 (BD2), Issmi_1 (BD2), Janus_1 (BD2), Loofah_1 (BD2), Marav_1 (BD2), Nishikigoi_1 (BD2), Omar_1 (BD2), Pablito_1 (BD2), Paedore_1 (BD2), Superstar_1 (BD2), Tefunt_1 (BD2), Thestral_1 (BD2), TinaBelcher_1 (BD2), Triumph_1 (BD2), TrvxScott_1 (BD2), Zainub_1 (BD2),

Start 10:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lannister_1 (BD1),

Summary by clusters:

There are 2 clusters represented in this pham: BD1, BD2,

Info for manual annotations of cluster BD1:
•Start number 10 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:

•Start number 3 was manually annotated 1 time for cluster BD2.
•Start number 4 was manually annotated 3 times for cluster BD2.
•Start number 6 was manually annotated 1 time for cluster BD2.
•Start number 8 was manually annotated 1 time for cluster BD2.
•Start number 9 was manually annotated 25 times for cluster BD2.

Gene Information:

Gene: Alvy_1 Start: 311, Stop: 120, Start Num: 9
Candidate Starts for Alvy_1:
(Start: 9 @311 has 25 MA's),

Gene: Amethyst_1 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for Amethyst_1:
(Start: 3 @256 has 1 MA's), (Start: 9 @220 has 25 MA's), (11, 184), (16, 97),

Gene: Animus_1 Start: 250, Stop: 74, Start Num: 9
Candidate Starts for Animus_1:
(Start: 9 @250 has 25 MA's), (17, 118), (18, 91),

Gene: Axiom_1 Start: 249, Stop: 73, Start Num: 9
Candidate Starts for Axiom_1:
(Start: 9 @249 has 25 MA's), (17, 117), (18, 90),

Gene: BartholomewSD_1 Start: 311, Stop: 120, Start Num: 9
Candidate Starts for BartholomewSD_1:
(Start: 9 @311 has 25 MA's),

Gene: Bowden_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Bowden_1:
(Start: 9 @219 has 25 MA's),

Gene: Caelum_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Caelum_1:
(Start: 9 @219 has 25 MA's), (11, 183), (16, 96),

Gene: Daudau_1 Start: 259, Stop: 35, Start Num: 3
Candidate Starts for Daudau_1:
(Start: 3 @259 has 1 MA's), (Start: 9 @223 has 25 MA's), (16, 97),

Gene: Diane_1 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for Diane_1:
(Start: 3 @256 has 1 MA's), (Start: 9 @220 has 25 MA's), (11, 184), (16, 97),

Gene: ELB20_01 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for ELB20_01:
(Start: 9 @220 has 25 MA's), (11, 184), (16, 97),

Gene: GirlDinner_1 Start: 250, Stop: 74, Start Num: 9
Candidate Starts for GirlDinner_1:
(Start: 9 @250 has 25 MA's), (17, 118), (18, 91),

Gene: Haizum_1 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for Haizum_1:
(Start: 3 @256 has 1 MA's), (Start: 9 @220 has 25 MA's), (11, 184),

Gene: Hank144_1 Start: 259, Stop: 74, Start Num: 8
Candidate Starts for Hank144_1:
(Start: 8 @259 has 1 MA's), (Start: 9 @250 has 25 MA's), (17, 118),

Gene: Issmi_1 Start: 216, Stop: 25, Start Num: 9
Candidate Starts for Issmi_1:
(Start: 3 @252 has 1 MA's), (Start: 9 @216 has 25 MA's), (11, 183), (14, 111), (16, 96),

Gene: Janus_1 Start: 250, Stop: 74, Start Num: 9
Candidate Starts for Janus_1:
(Start: 6 @274 has 1 MA's), (Start: 9 @250 has 25 MA's), (17, 118), (18, 91),

Gene: Jevington_1 Start: 255, Stop: 25, Start Num: 4
Candidate Starts for Jevington_1:
(2, 261), (Start: 4 @255 has 3 MA's), (Start: 9 @219 has 25 MA's),

Gene: Lannister_1 Start: 273, Stop: 103, Start Num: 10
Candidate Starts for Lannister_1:
(1, 357), (7, 297), (Start: 10 @273 has 1 MA's), (12, 231), (15, 174),

Gene: Loofah_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Loofah_1:
(Start: 9 @219 has 25 MA's),

Gene: Marav_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Marav_1:
(2, 261), (Start: 4 @255 has 3 MA's), (Start: 9 @219 has 25 MA's),

Gene: Nishikigoi_1 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for Nishikigoi_1:
(Start: 3 @256 has 1 MA's), (Start: 9 @220 has 25 MA's), (11, 184),

Gene: Omar_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Omar_1:
(Start: 9 @219 has 25 MA's),

Gene: Pablito_1 Start: 250, Stop: 74, Start Num: 9
Candidate Starts for Pablito_1:
(5, 277), (Start: 9 @250 has 25 MA's), (17, 118), (18, 91),

Gene: Paedore_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Paedore_1:
(Start: 9 @219 has 25 MA's),

Gene: Paolo_1 Start: 255, Stop: 25, Start Num: 4
Candidate Starts for Paolo_1:
(2, 261), (Start: 4 @255 has 3 MA's), (Start: 9 @219 has 25 MA's),

Gene: Puginator_1 Start: 255, Stop: 25, Start Num: 4
Candidate Starts for Puginator_1:
(2, 261), (Start: 4 @255 has 3 MA's), (Start: 9 @219 has 25 MA's),

Gene: SqueakyClean_1 Start: 274, Stop: 74, Start Num: 6
Candidate Starts for SqueakyClean_1:
(Start: 6 @274 has 1 MA's), (Start: 9 @250 has 25 MA's), (17, 118), (18, 91),

Gene: Superstar_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Superstar_1:
(Start: 9 @219 has 25 MA's), (13, 129), (16, 96),

Gene: Tefunt_1 Start: 220, Stop: 35, Start Num: 9
Candidate Starts for Tefunt_1:
(Start: 3 @256 has 1 MA's), (Start: 9 @220 has 25 MA's), (11, 184),

Gene: Thestral_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Thestral_1:
(Start: 9 @219 has 25 MA's),

Gene: TinaBelcher_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for TinaBelcher_1:
(Start: 9 @219 has 25 MA's),

Gene: Triumph_1 Start: 249, Stop: 73, Start Num: 9
Candidate Starts for Triumph_1:
(Start: 9 @249 has 25 MA's), (17, 117), (18, 90),

Gene: TrvxScott_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for TrvxScott_1:
(Start: 9 @219 has 25 MA's),

Gene: Zainub_1 Start: 219, Stop: 25, Start Num: 9
Candidate Starts for Zainub_1:
(2, 261), (Start: 4 @255 has 3 MA's), (Start: 9 @219 has 25 MA's),