Pham 4482

1: SqueakyClean_74 + 2

2: Haizum_76 + 3

3: Paedore_78

4: Amethyst_75

5: Triumph_80

6: Superstar_81 + 1

7: R4_78

8: Andris_78

9: Loofah_81

10: Pablito_73

11: Animus_73

12: Daudau_77

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 4482 Report

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

Pham number 4482 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : SqueakyClean_74, GirlDinner_76, Janus_74
• Track 2 : Haizum_76, Nishikigoi_77, Tefunt_76, Diane_75
• Track 3 : Paedore_78
• Track 4 : Amethyst_75
• Track 5 : Triumph_80
• Track 6 : Superstar_81, ELB20_75
• Track 7 : R4_78
• Track 8 : Andris_78
• Track 9 : Loofah_81
• Track 10 : Pablito_73
• Track 11 : Animus_73
• Track 12 : Daudau_77

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amethyst_75, Andris_78, Daudau_77, Diane_75, ELB20_75, Haizum_76, Loofah_81, Nishikigoi_77, Pablito_73, Paedore_78, R4_78, Superstar_81, Tefunt_76, Triumph_80,

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

Genes that do not have the "Most Annotated" start:
• Animus_73, GirlDinner_76, Janus_74, SqueakyClean_74,

Summary by start number:

Start 8:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 3 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Animus_73 (BD2), GirlDinner_76 (BD2), Janus_74 (BD2), SqueakyClean_74 (BD2),

Start 9:
• Found in 14 of 18 (77.8%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amethyst_75 (BD2), Andris_78 (BD2), Daudau_77 (BD2), Diane_75 (BD2), ELB20_75 (BD2), Haizum_76 (BD2), Loofah_81 (BD2), Nishikigoi_77 (BD2), Pablito_73 (BD2), Paedore_78 (BD2), R4_78 (BD2), Superstar_81 (BD2), Tefunt_76 (BD2), Triumph_80 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:
•Start number 8 was manually annotated 3 times for cluster BD2.
•Start number 9 was manually annotated 12 times for cluster BD2.

Gene Information:
Gene: Amethyst_75 Start: 47045, Stop: 46914, Start Num: 9
Candidate Starts for Amethyst_75:
(Start: 9 @47045 has 12 MA's),

Gene: Andris_78 Start: 48177, Stop: 48049, Start Num: 9
Candidate Starts for Andris_78:
(Start: 9 @48177 has 12 MA's), (10, 48135),

Gene: Animus_73 Start: 48298, Stop: 48158, Start Num: 8
Candidate Starts for Animus_73:
(Start: 8 @48298 has 3 MA's), (10, 48247),

Gene: Daudau_77 Start: 47818, Stop: 47687, Start Num: 9
Candidate Starts for Daudau_77:
(4, 47932), (Start: 9 @47818 has 12 MA's),

Gene: Diane_75 Start: 48177, Stop: 48046, Start Num: 9
Candidate Starts for Diane_75:
(Start: 9 @48177 has 12 MA's),

Gene: ELB20_75 Start: 48242, Stop: 48111, Start Num: 9
Candidate Starts for ELB20_75:
(Start: 9 @48242 has 12 MA's),

Gene: GirlDinner_76 Start: 47796, Stop: 47659, Start Num: 8
Candidate Starts for GirlDinner_76:
(Start: 8 @47796 has 3 MA's),

Gene: Haizum_76 Start: 48176, Stop: 48045, Start Num: 9
Candidate Starts for Haizum_76:
(Start: 9 @48176 has 12 MA's),

Gene: Janus_74 Start: 48133, Stop: 47996, Start Num: 8
Candidate Starts for Janus_74:
(Start: 8 @48133 has 3 MA's),

Gene: Loofah_81 Start: 49397, Stop: 49260, Start Num: 9
Candidate Starts for Loofah_81:
(2, 49691), (Start: 9 @49397 has 12 MA's), (11, 49304),

Gene: Nishikigoi_77 Start: 48176, Stop: 48045, Start Num: 9
Candidate Starts for Nishikigoi_77:
(Start: 9 @48176 has 12 MA's),

Gene: Pablito_73 Start: 47223, Stop: 47092, Start Num: 9
Candidate Starts for Pablito_73:
(Start: 9 @47223 has 12 MA's), (10, 47181),

Gene: Paedore_78 Start: 49566, Stop: 49429, Start Num: 9
Candidate Starts for Paedore_78:
(1, 50037), (2, 49860), (Start: 9 @49566 has 12 MA's), (11, 49473),

Gene: R4_78 Start: 48416, Stop: 48279, Start Num: 9
Candidate Starts for R4_78:
(3, 48629), (6, 48452), (Start: 9 @48416 has 12 MA's), (11, 48323),

Gene: SqueakyClean_74 Start: 48310, Stop: 48170, Start Num: 8
Candidate Starts for SqueakyClean_74:
(Start: 8 @48310 has 3 MA's),

Gene: Superstar_81 Start: 47720, Stop: 47589, Start Num: 9
Candidate Starts for Superstar_81:
(Start: 9 @47720 has 12 MA's),

Gene: Tefunt_76 Start: 48090, Stop: 47959, Start Num: 9
Candidate Starts for Tefunt_76:
(Start: 9 @48090 has 12 MA's),

Gene: Triumph_80 Start: 48945, Stop: 48817, Start Num: 9
Candidate Starts for Triumph_80:
(5, 48999), (7, 48972), (Start: 9 @48945 has 12 MA's),