Pham 196865

1
2
3
6
8
9
12
14
15
16
1: Glaske16_18 + 9
2: PegLeg_17
5
7
13
11
4
10
3: Reindeer_15
4: Skinny_18
5: MrMagoo_21 + 2
6: GenevaB15_21 + 1
7: Nanosmite_21

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 196865 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196865 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Glaske16_18, LilhomieP_16, Bricole_17, IPhane7_17, Bongo_17, Diminimus_18, TyDawg_17, Auspice_17, SlimJimmy_16, Dulcita_18
• Track 2 : PegLeg_17
• Track 3 : Reindeer_15
• Track 4 : Skinny_18
• Track 5 : MrMagoo_21, Estes_22, GardenSalsa_21
• Track 6 : GenevaB15_21, Aziz_21
• Track 7 : Nanosmite_21

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

The start number called the most often in the published annotations is 3, it was called in 17 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_17, Aziz_21, Bongo_17, Bricole_17, Diminimus_18, Dulcita_18, Estes_22, GardenSalsa_21, GenevaB15_21, Glaske16_18, IPhane7_17, LilhomieP_16, MrMagoo_21, Nanosmite_21, Skinny_18, SlimJimmy_16, TyDawg_17,

Genes that have the "Most Annotated" start but do not call it:
• PegLeg_17, Reindeer_15,

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

Summary by start number:

Start 2:
• Found in 13 of 19 (68.4%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 15.4% of time when present
• Phage (with cluster) where this start called: PegLeg_17 (M1), Reindeer_15 (M1),

Start 3:

• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 19
• Called 89.5% of time when present
• Phage (with cluster) where this start called: Auspice_17 (M1), Aziz_21 (M2), Bongo_17 (M1), Bricole_17 (M1), Diminimus_18 (M1), Dulcita_18 (M1), Estes_22 (M2), GardenSalsa_21 (M2), GenevaB15_21 (M2), Glaske16_18 (M1), IPhane7_17 (M1), LilhomieP_16 (M1), MrMagoo_21 (M2), Nanosmite_21 (M3), Skinny_18 (M1), SlimJimmy_16 (M1), TyDawg_17 (M1),

Summary by clusters:

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:
•Start number 2 was manually annotated 2 times for cluster M1.
•Start number 3 was manually annotated 11 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 3 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 3 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_17 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for Auspice_17:
(1, 9006), (Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),

Gene: Aziz_21 Start: 9693, Stop: 10367, Start Num: 3
Candidate Starts for Aziz_21:
(Start: 3 @9693 has 17 MA's), (7, 9870), (9, 9960), (11, 10023), (13, 10068),

Gene: Bongo_17 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for Bongo_17:
(1, 9006), (Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),

Gene: Bricole_17 Start: 9092, Stop: 9808, Start Num: 3
Candidate Starts for Bricole_17:
(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: Diminimus_18 Start: 9092, Stop: 9808, Start Num: 3
Candidate Starts for Diminimus_18:
(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: Dulcita_18 Start: 9092, Stop: 9808, Start Num: 3
Candidate Starts for Dulcita_18:

(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: Estes_22 Start: 9832, Stop: 10506, Start Num: 3
Candidate Starts for Estes_22:
(Start: 3 @9832 has 17 MA's), (7, 10009), (9, 10099), (13, 10207),

Gene: GardenSalsa_21 Start: 9666, Stop: 10340, Start Num: 3
Candidate Starts for GardenSalsa_21:
(Start: 3 @9666 has 17 MA's), (7, 9843), (9, 9933), (13, 10041),

Gene: GenevaB15_21 Start: 9693, Stop: 10367, Start Num: 3
Candidate Starts for GenevaB15_21:
(Start: 3 @9693 has 17 MA's), (7, 9870), (9, 9960), (11, 10023), (13, 10068),

Gene: Glaske16_18 Start: 9092, Stop: 9808, Start Num: 3
Candidate Starts for Glaske16_18:
(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: IPhane7_17 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for IPhane7_17:
(1, 9006), (Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),

Gene: LilhomieP_16 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for LilhomieP_16:
(1, 9006), (Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),

Gene: MrMagoo_21 Start: 9666, Stop: 10340, Start Num: 3
Candidate Starts for MrMagoo_21:
(Start: 3 @9666 has 17 MA's), (7, 9843), (9, 9933), (13, 10041),

Gene: Nanosmite_21 Start: 9886, Stop: 10557, Start Num: 3
Candidate Starts for Nanosmite_21:
(Start: 3 @9886 has 17 MA's), (4, 9913), (6, 10039), (7, 10060), (8, 10093), (9, 10150), (10, 10201),

Gene: PegLeg_17 Start: 9074, Stop: 9808, Start Num: 2
Candidate Starts for PegLeg_17:
(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: Reindeer_15 Start: 8937, Stop: 9662, Start Num: 2
Candidate Starts for Reindeer_15:
(1, 8868), (Start: 2 @8937 has 2 MA's), (Start: 3 @8955 has 17 MA's), (5, 9138), (6, 9141), (7, 9162), (8, 9195), (9, 9252), (12, 9351), (14, 9363), (16, 9477),

Gene: Skinny_18 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for Skinny_18:
(Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),

Gene: SlimJimmy_16 Start: 9092, Stop: 9808, Start Num: 3
Candidate Starts for SlimJimmy_16:
(1, 9005), (Start: 2 @9074 has 2 MA's), (Start: 3 @9092 has 17 MA's), (6, 9287), (8, 9341), (9, 9398), (12, 9497), (14, 9509), (15, 9518), (16, 9623),

Gene: TyDawg_17 Start: 9093, Stop: 9809, Start Num: 3
Candidate Starts for TyDawg_17:
(1, 9006), (Start: 2 @9075 has 2 MA's), (Start: 3 @9093 has 17 MA's), (6, 9288), (8, 9342), (9, 9399), (12, 9498), (14, 9510), (15, 9519), (16, 9624),