Pham 87183


4
5
6
7
9
1: Bricole_12 + 8
2
3
4
5
6
8
9
2: GardenSalsa_16 + 4
1
2
4
5
6
8
9
3: Rey_16
4
5
6
8
9
4: Nanosmite_16

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 87183 Report

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

Pham number 87183 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bricole_12, IPhane7_12, Bongo_12, Glaske16_13, PegLeg_12, TyDawg_12, Dulcita_13, Diminimus_13, Auspice_12
• Track 2 : GardenSalsa_16, GenevaB15_16, Aziz_16, Estes_17, MrMagoo_16
• Track 3 : Rey_16
• Track 4 : Nanosmite_16

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

The start number called the most often in the published annotations is 4, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_12, Aziz_16, Bongo_12, Bricole_12, Diminimus_13, Dulcita_13, Estes_17, GardenSalsa_16, GenevaB15_16, Glaske16_13, IPhane7_12, MrMagoo_16, Nanosmite_16, PegLeg_12, TyDawg_12,

Genes that have the "Most Annotated" start but do not call it:
• Rey_16,

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

Summary by start number:

Start 2:
• Found in 6 of 16 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Rey_16 (M2),

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 16
• Called 93.8% of time when present

• Phage (with cluster) where this start called: Auspice_12 (M1), Aziz_16 (M2), Bongo_12 (M1), Bricole_12 (M1), Diminimus_13 (M1), Dulcita_13 (M1), Estes_17 (M2), GardenSalsa_16 (M2), GenevaB15_16 (M2), Glaske16_13 (M1), IPhane7_12 (M1), MrMagoo_16 (M2), Nanosmite_16 (M3), PegLeg_12 (M1), TyDawg_12 (M1),

Summary by clusters:

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

Info for manual annotations of cluster M1:
•Start number 4 was manually annotated 9 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 2 was manually annotated 1 time for cluster M2.
•Start number 4 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 4 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_12 Start: 4042, Stop: 4365, Start Num: 4
Candidate Starts for Auspice_12:
(Start: 4 @4042 has 15 MA's), (5, 4126), (6, 4129), (7, 4135), (9, 4348),

Gene: Aziz_16 Start: 4646, Stop: 4966, Start Num: 4
Candidate Starts for Aziz_16:
(Start: 2 @4613 has 1 MA's), (3, 4628), (Start: 4 @4646 has 15 MA's), (5, 4730), (6, 4733), (8, 4790), (9, 4949),

Gene: Bongo_12 Start: 4042, Stop: 4365, Start Num: 4
Candidate Starts for Bongo_12:
(Start: 4 @4042 has 15 MA's), (5, 4126), (6, 4129), (7, 4135), (9, 4348),

Gene: Bricole_12 Start: 4041, Stop: 4364, Start Num: 4
Candidate Starts for Bricole_12:
(Start: 4 @4041 has 15 MA's), (5, 4125), (6, 4128), (7, 4134), (9, 4347),

Gene: Diminimus_13 Start: 4041, Stop: 4364, Start Num: 4
Candidate Starts for Diminimus_13:
(Start: 4 @4041 has 15 MA's), (5, 4125), (6, 4128), (7, 4134), (9, 4347),

Gene: Dulcita_13 Start: 4041, Stop: 4364, Start Num: 4
Candidate Starts for Dulcita_13:
(Start: 4 @4041 has 15 MA's), (5, 4125), (6, 4128), (7, 4134), (9, 4347),

Gene: Estes_17 Start: 4791, Stop: 5111, Start Num: 4
Candidate Starts for Estes_17:
(Start: 2 @4758 has 1 MA's), (3, 4773), (Start: 4 @4791 has 15 MA's), (5, 4875), (6, 4878), (8, 4935), (9, 5094),

Gene: GardenSalsa_16 Start: 4625, Stop: 4945, Start Num: 4
Candidate Starts for GardenSalsa_16:
(Start: 2 @4592 has 1 MA's), (3, 4607), (Start: 4 @4625 has 15 MA's), (5, 4709), (6, 4712), (8, 4769), (9, 4928),

Gene: GenevaB15_16 Start: 4646, Stop: 4966, Start Num: 4
Candidate Starts for GenevaB15_16:
(Start: 2 @4613 has 1 MA's), (3, 4628), (Start: 4 @4646 has 15 MA's), (5, 4730), (6, 4733), (8, 4790), (9, 4949),

Gene: Glaske16_13 Start: 4041, Stop: 4364, Start Num: 4
Candidate Starts for Glaske16_13:
(Start: 4 @4041 has 15 MA's), (5, 4125), (6, 4128), (7, 4134), (9, 4347),

Gene: IPhane7_12 Start: 4042, Stop: 4365, Start Num: 4
Candidate Starts for IPhane7_12:
(Start: 4 @4042 has 15 MA's), (5, 4126), (6, 4129), (7, 4135), (9, 4348),

Gene: MrMagoo_16 Start: 4625, Stop: 4945, Start Num: 4
Candidate Starts for MrMagoo_16:
(Start: 2 @4592 has 1 MA's), (3, 4607), (Start: 4 @4625 has 15 MA's), (5, 4709), (6, 4712), (8, 4769), (9, 4928),

Gene: Nanosmite_16 Start: 4789, Stop: 5112, Start Num: 4
Candidate Starts for Nanosmite_16:
(Start: 4 @4789 has 15 MA's), (5, 4873), (6, 4876), (8, 4933), (9, 5095),

Gene: PegLeg_12 Start: 4041, Stop: 4364, Start Num: 4
Candidate Starts for PegLeg_12:
(Start: 4 @4041 has 15 MA's), (5, 4125), (6, 4128), (7, 4134), (9, 4347),

Gene: Rey_16 Start: 4823, Stop: 5176, Start Num: 2
Candidate Starts for Rey_16:
(1, 4802), (Start: 2 @4823 has 1 MA's), (Start: 4 @4856 has 15 MA's), (5, 4940), (6, 4943), (8, 5000), (9, 5159),

Gene: TyDawg_12 Start: 4042, Stop: 4365, Start Num: 4
Candidate Starts for TyDawg_12:
(Start: 4 @4042 has 15 MA's), (5, 4126), (6, 4129), (7, 4135), (9, 4348),