Pham 5898

1: Reindeer_138

2: SlimJimmy_134 + 11

3: Nanosmite_151

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 5898 Report

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

Pham number 5898 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Reindeer_138
• Track 2 : SlimJimmy_134, IPhane7_133, Bongo_134, Auspice_135, Skinny_141, Dulcita_135, TyDawg_130, LilhomieP_135, Glaske16_137, Diminimus_135, Bricole_137, PegLeg_138
• Track 3 : Nanosmite_151

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_135, Bongo_134, Bricole_137, Diminimus_135, Dulcita_135, Glaske16_137, IPhane7_133, LilhomieP_135, PegLeg_138, Reindeer_138, Skinny_141, SlimJimmy_134, TyDawg_130,

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

Genes that do not have the "Most Annotated" start:
• Nanosmite_151,

Summary by start number:

Start 3:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_135 (M1), Bongo_134 (M1), Bricole_137 (M1), Diminimus_135 (M1), Dulcita_135 (M1), Glaske16_137 (M1), IPhane7_133 (M1), LilhomieP_135 (M1), PegLeg_138 (M1), Reindeer_138 (M1), Skinny_141 (M1), SlimJimmy_134 (M1), TyDawg_130 (M1),

Start 4:

• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nanosmite_151 (M3),

Summary by clusters:

There are 2 clusters represented in this pham: M1, M3,

Info for manual annotations of cluster M1:
•Start number 3 was manually annotated 13 times for cluster M1.

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

Gene Information:
Gene: Auspice_135 Start: 70913, Stop: 70806, Start Num: 3
Candidate Starts for Auspice_135:
(Start: 3 @70913 has 13 MA's), (5, 70844),

Gene: Bongo_134 Start: 70532, Stop: 70425, Start Num: 3
Candidate Starts for Bongo_134:
(Start: 3 @70532 has 13 MA's), (5, 70463),

Gene: Bricole_137 Start: 70677, Stop: 70570, Start Num: 3
Candidate Starts for Bricole_137:
(Start: 3 @70677 has 13 MA's), (5, 70608),

Gene: Diminimus_135 Start: 70348, Stop: 70241, Start Num: 3
Candidate Starts for Diminimus_135:
(Start: 3 @70348 has 13 MA's), (5, 70279),

Gene: Dulcita_135 Start: 70349, Stop: 70242, Start Num: 3
Candidate Starts for Dulcita_135:
(Start: 3 @70349 has 13 MA's), (5, 70280),

Gene: Glaske16_137 Start: 71467, Stop: 71360, Start Num: 3
Candidate Starts for Glaske16_137:
(Start: 3 @71467 has 13 MA's), (5, 71398),

Gene: IPhane7_133 Start: 70529, Stop: 70422, Start Num: 3
Candidate Starts for IPhane7_133:
(Start: 3 @70529 has 13 MA's), (5, 70460),

Gene: LilhomieP_135 Start: 71378, Stop: 71271, Start Num: 3
Candidate Starts for LilhomieP_135:
(Start: 3 @71378 has 13 MA's), (5, 71309),

Gene: Nanosmite_151 Start: 73472, Stop: 73374, Start Num: 4
Candidate Starts for Nanosmite_151:

(1, 73610), (2, 73487), (Start: 4 @73472 has 1 MA's),

Gene: PegLeg_138 Start: 71262, Stop: 71155, Start Num: 3
Candidate Starts for PegLeg_138:
(Start: 3 @71262 has 13 MA's), (5, 71193),

Gene: Reindeer_138 Start: 72703, Stop: 72596, Start Num: 3
Candidate Starts for Reindeer_138:
(Start: 3 @72703 has 13 MA's),

Gene: Skinny_141 Start: 72379, Stop: 72272, Start Num: 3
Candidate Starts for Skinny_141:
(Start: 3 @72379 has 13 MA's), (5, 72310),

Gene: SlimJimmy_134 Start: 71088, Stop: 70981, Start Num: 3
Candidate Starts for SlimJimmy_134:
(Start: 3 @71088 has 13 MA's), (5, 71019),

Gene: TyDawg_130 Start: 70532, Stop: 70425, Start Num: 3
Candidate Starts for TyDawg_130:
(Start: 3 @70532 has 13 MA's), (5, 70463),