Pham 203479


4
1: DrManhattan_9 + 1
1
2: Sue2_9
4
3: Adolin_9
2
5
4: Liebe_8 + 2
3
5: Tweety19_9 + 1
4
6
6: LadyAstra_8
4
7: JasmineDragon_8 + 1
4
7
8: VroomVroom_8

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 203479 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203479 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DrManhattan_9, MissSwiss_9
• Track 2 : Sue2_9
• Track 3 : Adolin_9
• Track 4 : Liebe_8, Maureen_8, MaGuCo_8
• Track 5 : Tweety19_9, Snek_9
• Track 6 : LadyAstra_8
• Track 7 : JasmineDragon_8, ShakeItOph_8
• Track 8 : VroomVroom_8

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 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_9, DrManhattan_9, JasmineDragon_8, LadyAstra_8, MissSwiss_9, ShakeItOph_8, VroomVroom_8,

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

Genes that do not have the "Most Annotated" start:
• Liebe_8, MaGuCo_8, Maureen_8, Snek_9, Sue2_9, Tweety19_9,

Summary by start number:

Start 1:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_9 (AZ1),

Start 2:
• Found in 3 of 13 (23.1%) of genes in pham

• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Liebe_8 (AZ2), MaGuCo_8 (AZ2), Maureen_8 (AZ2),

Start 3:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_9 (AZ3), Tweety19_9 (AZ3),

Start 4:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_9 (AZ1), DrManhattan_9 (AZ1), JasmineDragon_8 (AZ4), LadyAstra_8 (AZ4), MissSwiss_9 (AZ1), ShakeItOph_8 (AZ4), VroomVroom_8 (AZ4),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, AZ2, AZ3, AZ4,

Info for manual annotations of cluster AZ1:
•Start number 1 was manually annotated 1 time for cluster AZ1.
•Start number 4 was manually annotated 3 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 2 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 3 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 4 was manually annotated 2 times for cluster AZ4.

Gene Information:

Gene: Adolin_9 Start: 8255, Stop: 8371, Start Num: 4
Candidate Starts for Adolin_9:
(Start: 4 @8255 has 5 MA's),

Gene: DrManhattan_9 Start: 8245, Stop: 8361, Start Num: 4
Candidate Starts for DrManhattan_9:
(Start: 4 @8245 has 5 MA's),

Gene: JasmineDragon_8 Start: 6570, Stop: 6671, Start Num: 4
Candidate Starts for JasmineDragon_8:
(Start: 4 @6570 has 5 MA's),

Gene: LadyAstra_8 Start: 6566, Stop: 6658, Start Num: 4

Candidate Starts for LadyAstra_8:
(Start: 4 @6566 has 5 MA's), (6, 6593),

Gene: Liebe_8 Start: 6731, Stop: 6844, Start Num: 2
Candidate Starts for Liebe_8:
(Start: 2 @6731 has 3 MA's), (5, 6749),

Gene: MaGuCo_8 Start: 6590, Stop: 6703, Start Num: 2
Candidate Starts for MaGuCo_8:
(Start: 2 @6590 has 3 MA's), (5, 6608),

Gene: Maureen_8 Start: 6731, Stop: 6844, Start Num: 2
Candidate Starts for Maureen_8:
(Start: 2 @6731 has 3 MA's), (5, 6749),

Gene: MissSwiss_9 Start: 8258, Stop: 8365, Start Num: 4
Candidate Starts for MissSwiss_9:
(Start: 4 @8258 has 5 MA's),

Gene: ShakeItOph_8 Start: 6570, Stop: 6671, Start Num: 4
Candidate Starts for ShakeItOph_8:
(Start: 4 @6570 has 5 MA's),

Gene: Snek_9 Start: 7366, Stop: 7482, Start Num: 3
Candidate Starts for Snek_9:
(Start: 3 @7366 has 2 MA's),

Gene: Sue2_9 Start: 8280, Stop: 8396, Start Num: 1
Candidate Starts for Sue2_9:
(Start: 1 @8280 has 1 MA's),

Gene: Tweety19_9 Start: 7365, Stop: 7481, Start Num: 3
Candidate Starts for Tweety19_9:
(Start: 3 @7365 has 2 MA's),

Gene: VroomVroom_8 Start: 6582, Stop: 6683, Start Num: 4
Candidate Starts for VroomVroom_8:
(Start: 4 @6582 has 5 MA's), (7, 6639),