Pham 10542


6
1: Chickaboom_37 + 1
6
8
9
2: Leona_34
6
8
9
3: Renna12_34
1
2
3
4
5
6
8
9
4: FluffyCoco_35
6
8
9
5: Juno112_35
1
2
3
4
5
6
8
9
6: RedFox_35 + 1

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 10542 Report

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

Pham number 10542 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Chickaboom_37, Abidatro_33
• Track 2 : Leona_34
• Track 3 : Renna12_34
• Track 4 : PhluffyCoco_35
• Track 5 : Juno112_35
• Track 6 : RedFox_35, KHumphrey_34

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abidatro_33, Chickaboom_37, Juno112_35, KHumphrey_34, Leona_34, PhluffyCoco_35, RedFox_35, Renna12_34,

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

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

Summary by start number:

Start 6:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_33 (AS1), Chickaboom_37 (AS1), Juno112_35 (AS3), KHumphrey_34 (AS3), Leona_34 (AS3), PhluffyCoco_35 (AS3), RedFox_35 (AS3), Renna12_34 (AS3),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS1,

Info for manual annotations of cluster AS1:
•Start number 6 was manually annotated 1 time for cluster AS1.

Info for manual annotations of cluster AS3:
•Start number 6 was manually annotated 3 times for cluster AS3.

Gene Information:

Gene: Abidatro_33 Start: 22982, Stop: 22722, Start Num: 6
Candidate Starts for Abidatro_33:
(Start: 6 @22982 has 4 MA's),

Gene: Chickaboom_37 Start: 22952, Stop: 22692, Start Num: 6
Candidate Starts for Chickaboom_37:
(Start: 6 @22952 has 4 MA's),

Gene: Juno112_35 Start: 22621, Stop: 22361, Start Num: 6
Candidate Starts for Juno112_35:
(Start: 6 @22621 has 4 MA's), (8, 22492), (9, 22477),

Gene: KHumphrey_34 Start: 22620, Stop: 22360, Start Num: 6
Candidate Starts for KHumphrey_34:
(1, 23673), (2, 23661), (3, 23568), (4, 23496), (5, 23208), (Start: 6 @22620 has 4 MA's), (8, 22491), (9, 22476),

Gene: Leona_34 Start: 22689, Stop: 22429, Start Num: 6
Candidate Starts for Leona_34:
(Start: 6 @22689 has 4 MA's), (8, 22560), (9, 22545),

Gene: PhluffyCoco_35 Start: 22617, Stop: 22357, Start Num: 6
Candidate Starts for PhluffyCoco_35:
(1, 23670), (2, 23658), (3, 23565), (4, 23493), (5, 23205), (Start: 6 @22617 has 4 MA's), (7, 22491), (8, 22488), (9, 22473),

Gene: RedFox_35 Start: 22616, Stop: 22356, Start Num: 6
Candidate Starts for RedFox_35:
(1, 23669), (2, 23657), (3, 23564), (4, 23492), (5, 23204), (Start: 6 @22616 has 4 MA's), (8, 22487), (9, 22472),

Gene: Renna12_34 Start: 22658, Stop: 22398, Start Num: 6
Candidate Starts for Renna12_34:
(Start: 6 @22658 has 4 MA's), (8, 22529), (9, 22514),