Pham 216781

1: BMoore_33
2: Malisha_31
3: BotCity_30 + 1
4: Ziko_58 + 2
5: Guey18_60 + 1
6: Keelan_53

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 216781 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216781 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : EMoore_33
• Track 2 : Malisha_31
• Track 3 : BotCity_30, BENtherdunthat_29
• Track 4 : Ziko_58, Volt_57, Ronaldo_58
• Track 5 : Guey18_60, Fryberger_55
• Track 6 : Keelan_53

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BENtherdunthat_29, BotCity_30, Fryberger_55, Guey18_60, Keelan_53, Malisha_31, Ronaldo_58, Volt_57, Ziko_58,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• EMoore_33,

Summary by start number:

Start 1:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BENtherdunthat_29 (DN1), BotCity_30 (DN), Fryberger_55 (DP), Guey18_60 (DP), Keelan_53 (DP), Malisha_31 (DN), Ronaldo_58 (DP), Volt_57 (DP), Ziko_58 (DP),

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham

• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EMoore_33 (DE2),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DE2, DN1, DP,

Info for manual annotations of cluster DE2:
•Start number 2 was manually annotated 1 time for cluster DE2.

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

Info for manual annotations of cluster DN1:
•Start number 1 was manually annotated 1 time for cluster DN1.

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

Gene Information:

Gene: BENtherdunthat_29 Start: 22118, Stop: 23152, Start Num: 1
Candidate Starts for BENtherdunthat_29:
(Start: 1 @22118 has 8 MA's), (4, 22202), (7, 22280), (9, 22298), (10, 22307), (15, 22403), (16, 22436), (20, 22514), (38, 22919),

Gene: BotCity_30 Start: 22119, Stop: 23153, Start Num: 1
Candidate Starts for BotCity_30:
(Start: 1 @22119 has 8 MA's), (4, 22203), (7, 22281), (9, 22299), (10, 22308), (15, 22404), (16, 22437), (20, 22515), (38, 22920),

Gene: EMoore_33 Start: 31941, Stop: 32933, Start Num: 2
Candidate Starts for EMoore_33:
(Start: 2 @31941 has 1 MA's), (5, 32031), (6, 32055), (15, 32202), (17, 32265), (18, 32298), (19, 32310), (30, 32514), (33, 32550), (35, 32631), (37, 32697), (38, 32712), (39, 32784), (41, 32910),

Gene: Fryberger_55 Start: 30064, Stop: 31128, Start Num: 1
Candidate Starts for Fryberger_55:
(Start: 1 @30064 has 8 MA's), (7, 30229), (8, 30241), (12, 30262), (14, 30283), (22, 30511), (23, 30535), (24, 30571), (28, 30667), (32, 30715),

Gene: Guey18_60 Start: 31256, Stop: 32320, Start Num: 1
Candidate Starts for Guey18_60:
(Start: 1 @31256 has 8 MA's), (7, 31421), (8, 31433), (12, 31454), (14, 31475), (22, 31703), (23, 31727), (24, 31763), (28, 31859), (32, 31907),

Gene: Keelan_53 Start: 30056, Stop: 31111, Start Num: 1
Candidate Starts for Keelan_53:
(Start: 1 @30056 has 8 MA's), (7, 30221), (12, 30254), (13, 30263), (14, 30275), (23, 30521), (25, 30569), (27, 30632), (32, 30701), (34, 30758), (40, 31040), (42, 31100),

Gene: Malisha_31 Start: 24660, Stop: 25736, Start Num: 1
Candidate Starts for Malisha_31:
(Start: 1 @24660 has 8 MA's), (7, 24822), (9, 24840), (11, 24852), (15, 24948), (16, 24981), (21, 25065), (26, 25203), (31, 25290),

Gene: Ronaldo_58 Start: 31021, Stop: 32073, Start Num: 1
Candidate Starts for Ronaldo_58:
(Start: 1 @31021 has 8 MA's), (3, 31078), (8, 31198), (12, 31219), (15, 31309), (25, 31534), (28, 31618), (29, 31642), (36, 31774), (42, 32062),

Gene: Volt_57 Start: 31021, Stop: 32073, Start Num: 1
Candidate Starts for Volt_57:
(Start: 1 @31021 has 8 MA's), (3, 31078), (8, 31198), (12, 31219), (15, 31309), (25, 31534), (28, 31618), (29, 31642), (36, 31774), (42, 32062),

Gene: Ziko_58 Start: 30961, Stop: 32013, Start Num: 1
Candidate Starts for Ziko_58:
(Start: 1 @30961 has 8 MA's), (3, 31018), (8, 31138), (12, 31159), (15, 31249), (25, 31474), (28, 31558), (29, 31582), (36, 31714), (42, 32002),