Pham 203501


1: AlpineSix_13 + 1
2: Boomer_14
3: Toron_14
4: Firecracker_53 + 5
5: Dylan_53
6: Wildflower_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 203501 Report

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

Pham number 203501 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AlpineSix_13, Oksu_14
• Track 2 : Boomer_14
• Track 3 : Toron_14
• Track 4 : Firecracker_53, Ashwin_54, Idergollasper_53, FoulBall_53, Schuy_54, Corndog_55
• Track 5 : Dylan_53
• Track 6 : Wildflower_53

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

The start number called the most often in the published annotations is 12, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlpineSix_13, Ashwin_54, Corndog_55, Dylan_53, Firecracker_53, FoulBall_53, Idergollasper_53, Oksu_14, Schuy_54, Toron_14, Wildflower_53,

Genes that have the "Most Annotated" start but do not call it:
• Boomer_14,

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

Summary by start number:

Start 9:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Boomer_14 (F1),

Start 12:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10

• Called 91.7% of time when present
• Phage (with cluster) where this start called: AlpineSix_13 (F1), Ashwin_54 (O), Corndog_55 (O), Dylan_53 (O), Firecracker_53 (O), FoulBall_53 (O), Idergollasper_53 (O), Oksu_14 (F1), Schuy_54 (O), Toron_14 (F6), Wildflower_53 (O),

Summary by clusters:

There are 3 clusters represented in this pham: F1, F6, O,

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 1 time for cluster F1.
•Start number 12 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster O:
•Start number 12 was manually annotated 8 times for cluster O.

Gene Information:

Gene: AlpineSix_13 Start: 9037, Stop: 9471, Start Num: 12
Candidate Starts for AlpineSix_13:
(3, 8860), (4, 8875), (7, 8944), (Start: 9 @8968 has 1 MA's), (11, 9034), (Start: 12 @9037 has 9 MA's), (13, 9106), (15, 9145), (16, 9151), (17, 9169), (20, 9178), (21, 9208), (22, 9214), (23, 9241), (25, 9283), (29, 9397), (31, 9433),

Gene: Ashwin_54 Start: 26165, Stop: 26608, Start Num: 12
Candidate Starts for Ashwin_54:
(2, 25997), (5, 26060), (11, 26162), (Start: 12 @26165 has 9 MA's), (14, 26264), (19, 26300), (24, 26393), (26, 26447), (33, 26600),

Gene: Boomer_14 Start: 8822, Stop: 9325, Start Num: 9
Candidate Starts for Boomer_14:
(1, 8633), (3, 8714), (4, 8729), (7, 8798), (8, 8804), (Start: 9 @8822 has 1 MA's), (11, 8888), (Start: 12 @8891 has 9 MA's), (14, 8990), (15, 8999), (16, 9005), (20, 9032), (21, 9062), (22, 9068), (23, 9095), (25, 9137), (29, 9251), (31, 9287),

Gene: Corndog_55 Start: 26715, Stop: 27158, Start Num: 12
Candidate Starts for Corndog_55:
(2, 26547), (5, 26610), (11, 26712), (Start: 12 @26715 has 9 MA's), (14, 26814), (19, 26850), (24, 26943), (26, 26997), (33, 27150),

Gene: Dylan_53 Start: 26379, Stop: 26822, Start Num: 12
Candidate Starts for Dylan_53:
(2, 26211), (5, 26274), (7, 26292), (11, 26376), (Start: 12 @26379 has 9 MA's), (14, 26478), (19, 26514), (24, 26607), (26, 26661), (33, 26814),

Gene: Firecracker_53 Start: 25868, Stop: 26311, Start Num: 12
Candidate Starts for Firecracker_53:
(2, 25700), (5, 25763), (11, 25865), (Start: 12 @25868 has 9 MA's), (14, 25967), (19, 26003), (24, 26096), (26, 26150), (33, 26303),

Gene: FoulBall_53 Start: 26255, Stop: 26698, Start Num: 12
Candidate Starts for FoulBall_53:
(2, 26087), (5, 26150), (11, 26252), (Start: 12 @26255 has 9 MA's), (14, 26354), (19, 26390), (24, 26483), (26, 26537), (33, 26690),

Gene: Idergollasper_53 Start: 26255, Stop: 26698, Start Num: 12
Candidate Starts for Idergollasper_53:
(2, 26087), (5, 26150), (11, 26252), (Start: 12 @26255 has 9 MA's), (14, 26354), (19, 26390), (24, 26483), (26, 26537), (33, 26690),

Gene: Oksu_14 Start: 8900, Stop: 9334, Start Num: 12
Candidate Starts for Oksu_14:
(3, 8723), (4, 8738), (7, 8807), (Start: 9 @8831 has 1 MA's), (11, 8897), (Start: 12 @8900 has 9 MA's), (13, 8969), (15, 9008), (16, 9014), (17, 9032), (20, 9041), (21, 9071), (22, 9077), (23, 9104), (25, 9146), (29, 9260), (31, 9296),

Gene: Schuy_54 Start: 26191, Stop: 26634, Start Num: 12
Candidate Starts for Schuy_54:
(2, 26023), (5, 26086), (11, 26188), (Start: 12 @26191 has 9 MA's), (14, 26290), (19, 26326), (24, 26419), (26, 26473), (33, 26626),

Gene: Toron_14 Start: 9495, Stop: 9914, Start Num: 12
Candidate Starts for Toron_14:
(10, 9477), (11, 9492), (Start: 12 @9495 has 9 MA's), (18, 9618), (23, 9672), (27, 9771), (28, 9813), (30, 9834), (31, 9867), (32, 9891),

Gene: Wildflower_53 Start: 25830, Stop: 26273, Start Num: 12
Candidate Starts for Wildflower_53:
(2, 25662), (5, 25725), (6, 25737), (11, 25827), (Start: 12 @25830 has 9 MA's), (14, 25929), (19, 25965), (24, 26058), (26, 26112), (33, 26265),