Pham 331400


1: ClamChowder_79 + 2
2: Twister6_77 + 4
3: PullumCavea_75 + 1
4: JohnPork_78 + 1
5: Arri_77 + 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 331400 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331400 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ClamChowder_79, Fugax_80, Barb_79
• Track 2 : Twister6_77, Salvador_76, Togo_76, Evamon_76, SmokingBunny_77
• Track 3 : PullumCavea_75, Phlop_74
• Track 4 : JohnPork_78, Portcullis_77
• Track 5 : Arri_77, VanDeWege_78

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 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_77, Barb_79, ClamChowder_79, Evamon_76, Fugax_80, JohnPork_78, Phlop_74, Portcullis_77, PullumCavea_75, Salvador_76, SmokingBunny_77, Togo_76, Twister6_77, VanDeWege_78,

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 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_77 (DC1), Barb_79 (DC1), ClamChowder_79 (DC1), Evamon_76 (DC1), Fugax_80 (DC1), JohnPork_78 (DC1), Phlop_74 (DC1), Portcullis_77 (DC1), PullumCavea_75 (DC1), Salvador_76 (DC1), SmokingBunny_77 (DC1), Togo_76 (DC1), Twister6_77 (DC1), VanDeWege_78 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:
•Start number 3 was manually annotated 13 times for cluster DC1.

Gene Information:

Gene: Arri_77 Start: 51472, Stop: 52107, Start Num: 3
Candidate Starts for Arri_77:
(Start: 3 @51472 has 13 MA's), (4, 51604), (5, 51613), (11, 51889), (14, 51949), (16, 52000), (17, 52003),

Gene: Barb_79 Start: 51582, Stop: 52301, Start Num: 3
Candidate Starts for Barb_79:
(Start: 3 @51582 has 13 MA's), (4, 51714), (6, 51822), (7, 51861), (8, 51960), (9, 51972), (10, 52017), (13, 52083), (15, 52125), (18, 52224), (19, 52239),

Gene: ClamChowder_79 Start: 51582, Stop: 52301, Start Num: 3
Candidate Starts for ClamChowder_79:
(Start: 3 @51582 has 13 MA's), (4, 51714), (6, 51822), (7, 51861), (8, 51960), (9, 51972), (10, 52017), (13, 52083), (15, 52125), (18, 52224), (19, 52239),

Gene: Evamon_76 Start: 51207, Stop: 51866, Start Num: 3
Candidate Starts for Evamon_76:
(Start: 3 @51207 has 13 MA's), (4, 51339), (5, 51348), (11, 51624), (12, 51633), (14, 51684), (18, 51789), (19, 51804),

Gene: Fugax_80 Start: 51574, Stop: 52293, Start Num: 3
Candidate Starts for Fugax_80:
(Start: 3 @51574 has 13 MA's), (4, 51706), (6, 51814), (7, 51853), (8, 51952), (9, 51964), (10, 52009), (13, 52075), (15, 52117), (18, 52216), (19, 52231),

Gene: JohnPork_78 Start: 51178, Stop: 51966, Start Num: 3
Candidate Starts for JohnPork_78:
(1, 50446), (2, 50764), (Start: 3 @51178 has 13 MA's), (4, 51439), (5, 51448), (11, 51724), (12, 51733), (14, 51784), (18, 51889), (19, 51904),

Gene: Phlop_74 Start: 51091, Stop: 51750, Start Num: 3
Candidate Starts for Phlop_74:
(Start: 3 @51091 has 13 MA's), (4, 51223), (5, 51232), (11, 51508), (12, 51517), (14, 51568), (18, 51673), (19, 51688),

Gene: Portcullis_77 Start: 51178, Stop: 51966, Start Num: 3
Candidate Starts for Portcullis_77:
(1, 50446), (2, 50764), (Start: 3 @51178 has 13 MA's), (4, 51439), (5, 51448), (11, 51724), (12, 51733), (14, 51784), (18, 51889), (19, 51904),

Gene: PullumCavea_75 Start: 51268, Stop: 51927, Start Num: 3
Candidate Starts for PullumCavea_75:

(Start: 3 @51268 has 13 MA's), (4, 51400), (5, 51409), (11, 51685), (12, 51694), (14, 51745), (18, 51850), (19, 51865),

Gene: Salvador_76 Start: 51205, Stop: 51864, Start Num: 3
Candidate Starts for Salvador_76:
(Start: 3 @51205 has 13 MA's), (4, 51337), (5, 51346), (11, 51622), (12, 51631), (14, 51682), (18, 51787), (19, 51802),

Gene: SmokingBunny_77 Start: 52201, Stop: 52860, Start Num: 3
Candidate Starts for SmokingBunny_77:
(Start: 3 @52201 has 13 MA's), (4, 52333), (5, 52342), (11, 52618), (12, 52627), (14, 52678), (18, 52783), (19, 52798),

Gene: Togo_76 Start: 52201, Stop: 52860, Start Num: 3
Candidate Starts for Togo_76:
(Start: 3 @52201 has 13 MA's), (4, 52333), (5, 52342), (11, 52618), (12, 52627), (14, 52678), (18, 52783), (19, 52798),

Gene: Twister6_77 Start: 50550, Stop: 51209, Start Num: 3
Candidate Starts for Twister6_77:
(Start: 3 @50550 has 13 MA's), (4, 50682), (5, 50691), (11, 50967), (12, 50976), (14, 51027), (18, 51132), (19, 51147),

Gene: VanDeWege_78 Start: 51535, Stop: 52170, Start Num: 3
Candidate Starts for VanDeWege_78:
(Start: 3 @51535 has 13 MA's), (4, 51667), (5, 51676), (11, 51952), (14, 52012), (16, 52063), (17, 52066),