Pham 27986

6 10 11 13 14 17 19 20 21 22 23 24 25 26
1: Beckerton_49 + 2
6 10 11 13 14 17 20 21 22 23 24 25 26
2: Oaker_49 + 4
6 8 9 10 13 14 16 17 20 21 22 23 24 25 26
3: Puissant_50
1 2 3 4 5 7 9 11 12 15 18 21
4: Predator_48

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 27986 Report

This analysis was run 04/28/24 on database version 559.

Pham number 27986 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Beckerton_49, Phreeze_48, Konstantine_53
• Track 2 : Oaker_49, Cborch11_51, Megatron06_53, Thumb_50, Damien_50
• Track 3 : Puissant_50
• Track 4 : Predator_48

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_49, Cborch11_51, Damien_50, Konstantine_53, Megatron06_53, Oaker_49, Phreeze_48, Puissant_50, Thumb_50,

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:
• Predator_48,

Summary by start number:

Start 6:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_49 (H1), Cborch11_51 (H1), Damien_50 (H1), Konstantine_53 (H1), Megatron06_53 (H1), Oaker_49 (H1), Phreeze_48 (H1), Puissant_50 (H1), Thumb_50 (H1),

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Predator_48 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 6 was manually annotated 7 times for cluster H1.
•Start number 7 was manually annotated 1 time for cluster H1.

Gene Information:

Gene: Beckerton_49 Start: 41413, Stop: 41799, Start Num: 6
Candidate Starts for Beckerton_49:
(Start: 6 @41413 has 7 MA's), (10, 41461), (11, 41485), (13, 41518), (14, 41557), (17, 41602), (19, 41644), (20, 41650), (21, 41659), (22, 41662), (23, 41680), (24, 41686), (25, 41704), (26, 41746),

Gene: Cborch11_51 Start: 40929, Stop: 41315, Start Num: 6
Candidate Starts for Cborch11_51:
(Start: 6 @40929 has 7 MA's), (10, 40977), (11, 41001), (13, 41034), (14, 41073), (17, 41118), (20, 41166), (21, 41175), (22, 41178), (23, 41196), (24, 41202), (25, 41220), (26, 41262),

Gene: Damien_50 Start: 40892, Stop: 41278, Start Num: 6
Candidate Starts for Damien_50:
(Start: 6 @40892 has 7 MA's), (10, 40940), (11, 40964), (13, 40997), (14, 41036), (17, 41081), (20, 41129), (21, 41138), (22, 41141), (23, 41159), (24, 41165), (25, 41183), (26, 41225),

Gene: Konstantine_53 Start: 41723, Stop: 42109, Start Num: 6
Candidate Starts for Konstantine_53:
(Start: 6 @41723 has 7 MA's), (10, 41771), (11, 41795), (13, 41828), (14, 41867), (17, 41912), (19, 41954), (20, 41960), (21, 41969), (22, 41972), (23, 41990), (24, 41996), (25, 42014), (26, 42056),

Gene: Megatron06_53 Start: 41468, Stop: 41854, Start Num: 6
Candidate Starts for Megatron06_53:
(Start: 6 @41468 has 7 MA's), (10, 41516), (11, 41540), (13, 41573), (14, 41612), (17, 41657), (20, 41705), (21, 41714), (22, 41717), (23, 41735), (24, 41741), (25, 41759), (26, 41801),

Gene: Oaker_49 Start: 41183, Stop: 41569, Start Num: 6
Candidate Starts for Oaker_49:
(Start: 6 @41183 has 7 MA's), (10, 41231), (11, 41255), (13, 41288), (14, 41327), (17, 41372), (20, 41420), (21, 41429), (22, 41432), (23, 41450), (24, 41456), (25, 41474), (26, 41516),

Gene: Phreeze_48 Start: 40489, Stop: 40875, Start Num: 6
Candidate Starts for Phreeze_48:
(Start: 6 @40489 has 7 MA's), (10, 40537), (11, 40561), (13, 40594), (14, 40633), (17, 40678), (19, 40720), (20, 40726), (21, 40735), (22, 40738), (23, 40756), (24, 40762), (25, 40780), (26, 40822),

Gene: Predator_48 Start: 38724, Stop: 39059, Start Num: 7
Candidate Starts for Predator_48:
(1, 38535), (2, 38538), (3, 38541), (4, 38544), (5, 38547), (Start: 7 @38724 has 1 MA's), (9, 38760), (11, 38787), (12, 38817), (15, 38865), (18, 38931), (21, 38961),

Gene: Puissant_50 Start: 40895, Stop: 41281, Start Num: 6
Candidate Starts for Puissant_50:
(Start: 6 @40895 has 7 MA's), (8, 40919), (9, 40940), (10, 40943), (13, 41000), (14, 41039), (16, 41081), (17, 41084), (20, 41132), (21, 41141), (22, 41144), (23, 41162), (24, 41168), (25, 41186), (26, 41228),

Gene: Thumb_50 Start: 40924, Stop: 41310, Start Num: 6
Candidate Starts for Thumb_50:
(Start: 6 @40924 has 7 MA's), (10, 40972), (11, 40996), (13, 41029), (14, 41068), (17, 41113), (20, 41161), (21, 41170), (22, 41173), (23, 41191), (24, 41197), (25, 41215), (26, 41257),