Pham 347963


1: REQ1_28
2: Pons_59
3: Elinal_62 + 1
4: McDazzle_59 + 2
5: BigChungus_57 + 7
6: CherryonLim_58
7: MAnor_59
8: Guey13_34
9: Volt_31 + 2
10: Fryberger_29
11: Guey13_33
12: Keelan_107
13: Keelan_26

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 347963 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347963 has 25 members, 5 are drafts.

Phages represented in each track:
• Track 1 : REQ1_28
• Track 2 : Pons_59
• Track 3 : Elinal_62, KayGee_60
• Track 4 : McDazzle_59, SheckWes_61, ElJefes_59
• Track 5 : BigChungus_57, SummitAcademy_57, Vine_60, Yucky_60, PotPie_57, CocoaPuff_57, Feastonyeet_57, Balloona_56
• Track 6 : CherryonLim_58
• Track 7 : MAnor_59
• Track 8 : Guey18_34
• Track 9 : Volt_31, Ronaldo_32, Ziko_32
• Track 10 : Fryberger_29
• Track 11 : Guey18_33
• Track 12 : Keelan_107
• Track 13 : Keelan_26

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 13 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Balloona_56, BigChungus_57, CherryonLim_58, CocoaPuff_57, ElJefes_59, Elinal_62, Feastonyeet_57, KayGee_60, Keelan_107, MAnor_59, McDazzle_59, Pons_59, PotPie_57, SheckWes_61, SummitAcademy_57, Vine_60, Yucky_60,

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:
• Fryberger_29, Guey18_33, Guey18_34, Keelan_26, REQ1_28, Ronaldo_32, Volt_31, Ziko_32,

Summary by start number:

Start 1:
• Found in 5 of 25 (20.0%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_29 (DP), Guey18_34 (DP), Ronaldo_32 (DP), Volt_31 (DP), Ziko_32 (DP),

Start 3:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_26 (DP),

Start 4:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Guey18_33 (DP),

Start 6:
• Found in 17 of 25 (68.0%) of genes in pham
• Manual Annotations of this start: 13 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Balloona_56 (CT), BigChungus_57 (CT), CherryonLim_58 (CT), CocoaPuff_57 (CT), ElJefes_59 (CT), Elinal_62 (CT), Feastonyeet_57 (CT), KayGee_60 (CT), Keelan_107 (DP), MAnor_59 (CT), McDazzle_59 (CT), Pons_59 (CT), PotPie_57 (CT), SheckWes_61 (CT), SummitAcademy_57 (CT), Vine_60 (CT), Yucky_60 (CT),

Start 11:
• Found in 1 of 25 (4.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ1_28 (CF),

Summary by clusters:

There are 3 clusters represented in this pham: CF, DP, CT,

Info for manual annotations of cluster CT:
•Start number 6 was manually annotated 12 times for cluster CT.

Info for manual annotations of cluster DP:
•Start number 1 was manually annotated 5 times for cluster DP.
•Start number 3 was manually annotated 1 time for cluster DP.
•Start number 4 was manually annotated 1 time for cluster DP.
•Start number 6 was manually annotated 1 time for cluster DP.

Gene Information:

Gene: Balloona_56 Start: 41140, Stop: 40739, Start Num: 6
Candidate Starts for Balloona_56:
(Start: 6 @41140 has 13 MA's), (13, 41062), (18, 40990), (19, 40987), (22, 40969), (23, 40963), (28, 40933), (32, 40900), (37, 40828), (39, 40786),

Gene: BigChungus_57 Start: 40681, Stop: 40280, Start Num: 6
Candidate Starts for BigChungus_57:
(Start: 6 @40681 has 13 MA's), (13, 40603), (18, 40531), (19, 40528), (22, 40510), (23, 40504), (28, 40474), (32, 40441), (37, 40369), (39, 40327),

Gene: CherryonLim_58 Start: 42157, Stop: 41738, Start Num: 6
Candidate Starts for CherryonLim_58:
(Start: 6 @42157 has 13 MA's), (8, 42124), (19, 41986), (20, 41983), (26, 41941), (30, 41914), (31, 41905), (32, 41896), (36, 41839),

Gene: CocoaPuff_57 Start: 40686, Stop: 40285, Start Num: 6
Candidate Starts for CocoaPuff_57:
(Start: 6 @40686 has 13 MA's), (13, 40608), (18, 40536), (19, 40533), (22, 40515), (23, 40509), (28, 40479), (32, 40446), (37, 40374), (39, 40332),

Gene: ElJefes_59 Start: 41219, Stop: 40824, Start Num: 6
Candidate Starts for ElJefes_59:
(Start: 6 @41219 has 13 MA's), (8, 41186), (19, 41069), (22, 41051), (26, 41027), (31, 40991), (32, 40982), (36, 40925),

Gene: Elinal_62 Start: 41462, Stop: 41016, Start Num: 6
Candidate Starts for Elinal_62:
(Start: 6 @41462 has 13 MA's), (13, 41357), (14, 41315), (19, 41261), (22, 41243), (23, 41237), (28, 41207), (32, 41174), (37, 41102), (39, 41060),

Gene: Feastonyeet_57 Start: 40681, Stop: 40280, Start Num: 6
Candidate Starts for Feastonyeet_57:
(Start: 6 @40681 has 13 MA's), (13, 40603), (18, 40531), (19, 40528), (22, 40510), (23, 40504), (28, 40474), (32, 40441), (37, 40369), (39, 40327),

Gene: Fryberger_29 Start: 8784, Stop: 8455, Start Num: 1
Candidate Starts for Fryberger_29:
(Start: 1 @8784 has 5 MA's), (5, 8769), (7, 8739), (17, 8658), (21, 8637),

Gene: Guey18_34 Start: 9973, Stop: 9644, Start Num: 1
Candidate Starts for Guey18_34:
(Start: 1 @9973 has 5 MA's), (9, 9898), (25, 9814),

Gene: Guey18_33 Start: 9651, Stop: 9316, Start Num: 4
Candidate Starts for Guey18_33:
(2, 9657), (Start: 4 @9651 has 1 MA's), (5, 9639), (7, 9609), (17, 9531),

Gene: KayGee_60 Start: 41462, Stop: 41016, Start Num: 6
Candidate Starts for KayGee_60:
(Start: 6 @41462 has 13 MA's), (13, 41357), (14, 41315), (19, 41261), (22, 41243), (23, 41237), (28, 41207), (32, 41174), (37, 41102), (39, 41060),

Gene: Keelan_107 Start: 53290, Stop: 53652, Start Num: 6

Candidate Starts for Keelan_107:
(Start: 6 @53290 has 13 MA's), (16, 53383), (26, 53449), (28, 53461), (33, 53524), (34, 53527), (38, 53581), (40, 53623),

Gene: Keelan_26 Start: 8252, Stop: 7875, Start Num: 3
Candidate Starts for Keelan_26:
(Start: 3 @8252 has 1 MA's), (20, 8120), (21, 8114), (24, 8090), (27, 8075), (29, 8051), (35, 7988), (41, 7892),

Gene: MAnor_59 Start: 41593, Stop: 41144, Start Num: 6
Candidate Starts for MAnor_59:
(Start: 6 @41593 has 13 MA's), (12, 41497), (14, 41449), (15, 41443), (19, 41395), (23, 41371), (28, 41341), (32, 41308), (37, 41236), (39, 41194),

Gene: McDazzle_59 Start: 41213, Stop: 40818, Start Num: 6
Candidate Starts for McDazzle_59:
(Start: 6 @41213 has 13 MA's), (8, 41180), (19, 41063), (22, 41045), (26, 41021), (31, 40985), (32, 40976), (36, 40919),

Gene: Pons_59 Start: 41198, Stop: 40776, Start Num: 6
Candidate Starts for Pons_59:
(Start: 6 @41198 has 13 MA's), (18, 41030), (19, 41027), (23, 41003), (28, 40973), (32, 40940), (37, 40868), (39, 40826),

Gene: PotPie_57 Start: 41716, Stop: 41315, Start Num: 6
Candidate Starts for PotPie_57:
(Start: 6 @41716 has 13 MA's), (13, 41638), (18, 41566), (19, 41563), (22, 41545), (23, 41539), (28, 41509), (32, 41476), (37, 41404), (39, 41362),

Gene: REQ1_28 Start: 11269, Stop: 11631, Start Num: 11
Candidate Starts for REQ1_28:
(10, 11257), (11, 11269), (37, 11554), (39, 11596),

Gene: Ronaldo_32 Start: 9713, Stop: 9384, Start Num: 1
Candidate Starts for Ronaldo_32:
(Start: 1 @9713 has 5 MA's), (5, 9698), (17, 9587), (21, 9566),

Gene: SheckWes_61 Start: 40759, Stop: 40364, Start Num: 6
Candidate Starts for SheckWes_61:
(Start: 6 @40759 has 13 MA's), (8, 40726), (19, 40609), (22, 40591), (26, 40567), (31, 40531), (32, 40522), (36, 40465),

Gene: SummitAcademy_57 Start: 40859, Stop: 40458, Start Num: 6
Candidate Starts for SummitAcademy_57:
(Start: 6 @40859 has 13 MA's), (13, 40781), (18, 40709), (19, 40706), (22, 40688), (23, 40682), (28, 40652), (32, 40619), (37, 40547), (39, 40505),

Gene: Vine_60 Start: 41482, Stop: 41081, Start Num: 6
Candidate Starts for Vine_60:
(Start: 6 @41482 has 13 MA's), (13, 41404), (18, 41332), (19, 41329), (22, 41311), (23, 41305), (28, 41275), (32, 41242), (37, 41170), (39, 41128),

Gene: Volt_31 Start: 9713, Stop: 9384, Start Num: 1

Candidate Starts for Volt_31:
(Start: 1 @9713 has 5 MA's), (5, 9698), (17, 9587), (21, 9566),

Gene: Yucky_60 Start: 41274, Stop: 40873, Start Num: 6
Candidate Starts for Yucky_60:
(Start: 6 @41274 has 13 MA's), (13, 41196), (18, 41124), (19, 41121), (22, 41103), (23, 41097), (28, 41067), (32, 41034), (37, 40962), (39, 40920),

Gene: Ziko_32 Start: 9653, Stop: 9324, Start Num: 1
Candidate Starts for Ziko_32:
(Start: 1 @9653 has 5 MA's), (5, 9638), (17, 9527), (21, 9506),