Pham 347951


6
8
17
1: Weirdo19_16
6
9
21
2: JustASigh_15
1
2
3
4
5
9
10
11
12
13
15
16
18
20
23
3: BloominB_18 + 18
1
3
4
5
9
12
13
15
16
18
20
23
4: Gravaillia_18
1
3
4
5
7
9
12
13
15
16
18
20
23
5: Gancho_17
1
2
3
4
5
9
10
11
12
13
15
16
18
20
23
6: Webster2_18
1
3
4
5
9
10
11
12
13
15
16
18
20
23
7: Daegal_19
5
11
12
14
19
22
8: NovoPizza_16
6
9: 32HC_23

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 347951 Report

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

Pham number 347951 has 27 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_16
• Track 2 : JustASigh_15
• Track 3 : BloominB_18, Kinbote_18, Evanesce_18, LilHazelnut_18, DeepSoil15_18, Hadrien_18, Amymech_18, Ein37_18, Dewey_18, OBUpride_18, Giles_18, Forge_18, Wishmaker_18, HH92_18, Amochick_18, Luke_18, Ubuntu_18, Hail_18, Luna22_18
• Track 4 : Gravaillia_18
• Track 5 : Gancho_17
• Track 6 : Webster2_18
• Track 7 : Daegal_19
• Track 8 : NovoPizza_16
• Track 9 : 32HC_23

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

The start number called the most often in the published annotations is 9, it was called in 20 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_18, Amymech_18, BloominB_18, DeepSoil15_18, Dewey_18, Ein37_18, Evanesce_18, Forge_18, Giles_18, Gravaillia_18, HH92_18, Hadrien_18, Hail_18, Kinbote_18, LilHazelnut_18, Luke_18, Luna22_18, OBUpride_18, Ubuntu_18, Wishmaker_18,

Genes that have the "Most Annotated" start but do not call it:
• Daegal_19, Gancho_17, JustASigh_15, Webster2_18,

Genes that do not have the "Most Annotated" start:
• 32HC_23, NovoPizza_16, Weirdo19_16,

Summary by start number:

Start 5:
• Found in 24 of 27 (88.9%) of genes in pham

• Manual Annotations of this start: 3 of 25
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Daegal_19 (Q), NovoPizza_16 (Q), Webster2_18 (Q),

Start 6:
• Found in 3 of 27 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_23 (Z), JustASigh_15 (AH), Weirdo19_16 (AH),

Start 7:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gancho_17 (Q),

Start 9:
• Found in 24 of 27 (88.9%) of genes in pham
• Manual Annotations of this start: 20 of 25
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Amochick_18 (Q), Amymech_18 (Q), BloominB_18 (Q), DeepSoil15_18 (Q), Dewey_18 (Q), Ein37_18 (Q), Evanesce_18 (Q), Forge_18 (Q), Giles_18 (Q), Gravaillia_18 (Q), HH92_18 (Q), Hadrien_18 (Q), Hail_18 (Q), Kinbote_18 (Q), LilHazelnut_18 (Q), Luke_18 (Q), Luna22_18 (Q), OBUpride_18 (Q), Ubuntu_18 (Q), Wishmaker_18 (Q),

Summary by clusters:

There are 3 clusters represented in this pham: Q, AH, Z,

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

Info for manual annotations of cluster Q:
•Start number 5 was manually annotated 3 times for cluster Q.
•Start number 7 was manually annotated 1 time for cluster Q.
•Start number 9 was manually annotated 20 times for cluster Q.

Gene Information:

Gene: 32HC_23 Start: 13491, Stop: 13799, Start Num: 6
Candidate Starts for 32HC_23:
(Start: 6 @13491 has 1 MA's),

Gene: Amochick_18 Start: 11824, Stop: 12066, Start Num: 9
Candidate Starts for Amochick_18:
(1, 11359), (2, 11431), (3, 11461), (4, 11566), (Start: 5 @11710 has 3 MA's), (Start: 9 @11824 has 20 MA's), (10, 11848), (11, 11857), (12, 11884), (13, 11890), (15, 11935), (16, 11941), (18, 11968), (20,

11983), (23, 12043),

Gene: Amymech_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Amymech_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: BloominB_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for BloominB_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Daegal_19 Start: 12001, Stop: 12357, Start Num: 5
Candidate Starts for Daegal_19:
(1, 11650), (3, 11752), (4, 11857), (Start: 5 @12001 has 3 MA's), (Start: 9 @12115 has 20 MA's), (10, 12139), (11, 12148), (12, 12175), (13, 12181), (15, 12226), (16, 12232), (18, 12259), (20, 12274), (23, 12334),

Gene: DeepSoil15_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for DeepSoil15_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Dewey_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Dewey_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Ein37_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Ein37_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Evanesce_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Evanesce_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Forge_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Forge_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Gancho_17 Start: 11509, Stop: 11784, Start Num: 7
Candidate Starts for Gancho_17:

(1, 11062), (3, 11164), (4, 11269), (Start: 5 @11413 has 3 MA's), (Start: 7 @11509 has 1 MA's), (Start: 9 @11542 has 20 MA's), (12, 11602), (13, 11608), (15, 11653), (16, 11659), (18, 11686), (20, 11701), (23, 11761),

Gene: Giles_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Giles_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Gravaillia_18 Start: 11560, Stop: 11802, Start Num: 9
Candidate Starts for Gravaillia_18:
(1, 11095), (3, 11197), (4, 11302), (Start: 5 @11446 has 3 MA's), (Start: 9 @11560 has 20 MA's), (12, 11620), (13, 11626), (15, 11671), (16, 11677), (18, 11704), (20, 11719), (23, 11779),

Gene: HH92_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for HH92_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Hadrien_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Hadrien_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Hail_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Hail_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: JustASigh_15 Start: 10680, Stop: 10985, Start Num: 6
Candidate Starts for JustASigh_15:
(Start: 6 @10680 has 1 MA's), (Start: 9 @10758 has 20 MA's), (21, 10929),

Gene: Kinbote_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Kinbote_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: LilHazelnut_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for LilHazelnut_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Luke_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Luke_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20,

11986), (23, 12046),

Gene: Luna22_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Luna22_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: NovoPizza_16 Start: 11940, Stop: 12299, Start Num: 5
Candidate Starts for NovoPizza_16:
(Start: 5 @11940 has 3 MA's), (11, 12087), (12, 12114), (14, 12150), (19, 12201), (22, 12264),

Gene: OBUpride_18 Start: 11821, Stop: 12063, Start Num: 9
Candidate Starts for OBUpride_18:
(1, 11356), (2, 11428), (3, 11458), (4, 11563), (Start: 5 @11707 has 3 MA's), (Start: 9 @11821 has 20 MA's), (10, 11845), (11, 11854), (12, 11881), (13, 11887), (15, 11932), (16, 11938), (18, 11965), (20, 11980), (23, 12040),

Gene: Ubuntu_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Ubuntu_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Webster2_18 Start: 11713, Stop: 12069, Start Num: 5
Candidate Starts for Webster2_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),

Gene: Weirdo19_16 Start: 10478, Stop: 10810, Start Num: 6
Candidate Starts for Weirdo19_16:
(Start: 6 @10478 has 1 MA's), (8, 10580), (17, 10697),

Gene: Wishmaker_18 Start: 11827, Stop: 12069, Start Num: 9
Candidate Starts for Wishmaker_18:
(1, 11362), (2, 11434), (3, 11464), (4, 11569), (Start: 5 @11713 has 3 MA's), (Start: 9 @11827 has 20 MA's), (10, 11851), (11, 11860), (12, 11887), (13, 11893), (15, 11938), (16, 11944), (18, 11971), (20, 11986), (23, 12046),