Pham 106467

1
2
3
4
5
8
9
1: Xerxes_44 + 18
4
5
6
8
9
10
2: Butters_47 + 3
4
5
7
8
9
10
11
3: Rebel_40 + 8
4
5
7
8
9
4: Bosection6_44
1
2
3
4
5
8
9
12
5: Phloss_42
4
5
8
9
10
11
6: Aggie_42 + 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 106467 Report

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

Pham number 106467 has 36 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Xerxes_44, Melville_48, Magsby_44, Scitech_41, Parmesanjohn_44, Pipsqueaks_44, Chewbacca_46, Smurph_44, Snekmaggedon_42, SpongeBob_42, Panchino_41, Fulbright_43, Silvafighter_45, Tapioca_46, Duplicity_44, Jamie19_42, Schnauzer_45, Carcharodon_44, Gex_44
• Track 2 : Butters_47, Kevin1_46, MichelleMyBell_44, Rubeelu_47
• Track 3 : Rebel_40, Nenae_48, Redi_48, Andies_42, Raymond7_42, Purgamenstris_48, BabeRuth_49, ShrimpFriedEgg_48, PhancyPhin_48
• Track 4 : Bosection6_44
• Track 5 : Phloss_42
• Track 6 : Aggie_42, Silvy_44

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

The start number called the most often in the published annotations is 4, it was called in 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_42, Andies_42, BabeRuth_49, Bosection6_44, Butters_47, Carcharodon_44, Chewbacca_46, Duplicity_44, Fulbright_43, Gex_44, Jamie19_42, Kevin1_46, Magsby_44, Melville_48, MichelleMyBell_44, Nenae_48, Panchino_41, Parmesanjohn_44, PhancyPhin_48, Phloss_42, Pipsqueaks_44, Purgamenstris_48, Raymond7_42, Rebel_40, Redi_48, Rubeelu_47, Schnauzer_45, Scitech_41, ShrimpFriedEgg_48, Silvafighter_45, Silvy_44, Smurph_44, Snekmaggedon_42, SpongeBob_42, Tapioca_46, Xerxes_44,

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 4:

• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_42 (N), Andies_42 (N), BabeRuth_49 (N), Bosection6_44 (N), Butters_47 (N), Carcharodon_44 (N), Chewbacca_46 (N), Duplicity_44 (N), Fulbright_43 (N), Gex_44 (N), Jamie19_42 (N), Kevin1_46 (N), Magsby_44 (N), Melville_48 (N), MichelleMyBell_44 (N), Nenae_48 (N), Panchino_41 (N), Parmesanjohn_44 (N), PhancyPhin_48 (N), Phloss_42 (N), Pipsqueaks_44 (N), Purgamenstris_48 (N), Raymond7_42 (N), Rebel_40 (N), Redi_48 (N), Rubeelu_47 (N), Schnauzer_45 (N), Scitech_41 (N), ShrimpFriedEgg_48 (N), Silvafighter_45 (N), Silvy_44 (N), Smurph_44 (N), Snekmaggedon_42 (N), SpongeBob_42 (N), Tapioca_46 (N), Xerxes_44 (N),

Summary by clusters:

There is one cluster represented in this pham: N

Info for manual annotations of cluster N:
•Start number 4 was manually annotated 32 times for cluster N.

Gene Information:

Gene: Aggie_42 Start: 30213, Stop: 30485, Start Num: 4
Candidate Starts for Aggie_42:
(Start: 4 @30213 has 32 MA's), (5, 30234), (8, 30378), (9, 30465), (10, 30468), (11, 30474),

Gene: Andies_42 Start: 30729, Stop: 31001, Start Num: 4
Candidate Starts for Andies_42:
(Start: 4 @30729 has 32 MA's), (5, 30750), (7, 30846), (8, 30894), (9, 30981), (10, 30984), (11, 30990),

Gene: BabeRuth_49 Start: 32358, Stop: 32630, Start Num: 4
Candidate Starts for BabeRuth_49:
(Start: 4 @32358 has 32 MA's), (5, 32379), (7, 32475), (8, 32523), (9, 32610), (10, 32613), (11, 32619),

Gene: Bosection6_44 Start: 30103, Stop: 30375, Start Num: 4
Candidate Starts for Bosection6_44:
(Start: 4 @30103 has 32 MA's), (5, 30124), (7, 30220), (8, 30268), (9, 30355),

Gene: Butters_47 Start: 32157, Stop: 32429, Start Num: 4
Candidate Starts for Butters_47:
(Start: 4 @32157 has 32 MA's), (5, 32178), (6, 32226), (8, 32322), (9, 32409), (10, 32412),

Gene: Carcharodon_44 Start: 31452, Stop: 31724, Start Num: 4
Candidate Starts for Carcharodon_44:
(1, 31362), (2, 31383), (3, 31407), (Start: 4 @31452 has 32 MA's), (5, 31473), (8, 31617), (9, 31704),

Gene: Chewbacca_46 Start: 31452, Stop: 31724, Start Num: 4
Candidate Starts for Chewbacca_46:
(1, 31362), (2, 31383), (3, 31407), (Start: 4 @31452 has 32 MA's), (5, 31473), (8, 31617), (9, 31704),

Gene: Duplicity_44 Start: 31461, Stop: 31733, Start Num: 4
Candidate Starts for Duplicity_44:
(1, 31371), (2, 31392), (3, 31416), (Start: 4 @31461 has 32 MA's), (5, 31482), (8, 31626), (9, 31713),

Gene: Fulbright_43 Start: 30541, Stop: 30813, Start Num: 4
Candidate Starts for Fulbright_43:
(1, 30451), (2, 30472), (3, 30496), (Start: 4 @30541 has 32 MA's), (5, 30562), (8, 30706), (9, 30793),

Gene: Gex_44 Start: 31468, Stop: 31740, Start Num: 4
Candidate Starts for Gex_44:
(1, 31378), (2, 31399), (3, 31423), (Start: 4 @31468 has 32 MA's), (5, 31489), (8, 31633), (9, 31720),

Gene: Jamie19_42 Start: 30649, Stop: 30921, Start Num: 4
Candidate Starts for Jamie19_42:
(1, 30559), (2, 30580), (3, 30604), (Start: 4 @30649 has 32 MA's), (5, 30670), (8, 30814), (9, 30901),

Gene: Kevin1_46 Start: 31593, Stop: 31865, Start Num: 4
Candidate Starts for Kevin1_46:
(Start: 4 @31593 has 32 MA's), (5, 31614), (6, 31662), (8, 31758), (9, 31845), (10, 31848),

Gene: Magsby_44 Start: 31469, Stop: 31741, Start Num: 4
Candidate Starts for Magsby_44:
(1, 31379), (2, 31400), (3, 31424), (Start: 4 @31469 has 32 MA's), (5, 31490), (8, 31634), (9, 31721),

Gene: Melville_48 Start: 31453, Stop: 31725, Start Num: 4
Candidate Starts for Melville_48:
(1, 31363), (2, 31384), (3, 31408), (Start: 4 @31453 has 32 MA's), (5, 31474), (8, 31618), (9, 31705),

Gene: MichelleMyBell_44 Start: 30404, Stop: 30676, Start Num: 4
Candidate Starts for MichelleMyBell_44:
(Start: 4 @30404 has 32 MA's), (5, 30425), (6, 30473), (8, 30569), (9, 30656), (10, 30659),

Gene: Nenae_48 Start: 32360, Stop: 32632, Start Num: 4
Candidate Starts for Nenae_48:
(Start: 4 @32360 has 32 MA's), (5, 32381), (7, 32477), (8, 32525), (9, 32612), (10, 32615), (11, 32621),

Gene: Panchino_41 Start: 31995, Stop: 32267, Start Num: 4
Candidate Starts for Panchino_41:
(1, 31905), (2, 31926), (3, 31950), (Start: 4 @31995 has 32 MA's), (5, 32016), (8, 32160), (9, 32247),

Gene: Parmesanjohn_44 Start: 31472, Stop: 31744, Start Num: 4
Candidate Starts for Parmesanjohn_44:
(1, 31382), (2, 31403), (3, 31427), (Start: 4 @31472 has 32 MA's), (5, 31493), (8, 31637), (9, 31724),

Gene: PhancyPhin_48 Start: 32354, Stop: 32626, Start Num: 4
Candidate Starts for PhancyPhin_48:
(Start: 4 @32354 has 32 MA's), (5, 32375), (7, 32471), (8, 32519), (9, 32606), (10, 32609), (11, 32615),

Gene: Phloss_42 Start: 30879, Stop: 31151, Start Num: 4
Candidate Starts for Phloss_42:

(1, 30789), (2, 30810), (3, 30834), (Start: 4 @30879 has 32 MA's), (5, 30900), (8, 31044), (9, 31131), (12, 31143),

Gene: Pipsqueaks_44 Start: 31449, Stop: 31721, Start Num: 4
Candidate Starts for Pipsqueaks_44:
(1, 31359), (2, 31380), (3, 31404), (Start: 4 @31449 has 32 MA's), (5, 31470), (8, 31614), (9, 31701),

Gene: Purgamenstris_48 Start: 32358, Stop: 32630, Start Num: 4
Candidate Starts for Purgamenstris_48:
(Start: 4 @32358 has 32 MA's), (5, 32379), (7, 32475), (8, 32523), (9, 32610), (10, 32613), (11, 32619),

Gene: Raymond7_42 Start: 32146, Stop: 32418, Start Num: 4
Candidate Starts for Raymond7_42:
(Start: 4 @32146 has 32 MA's), (5, 32167), (7, 32263), (8, 32311), (9, 32398), (10, 32401), (11, 32407),

Gene: Rebel_40 Start: 28488, Stop: 28760, Start Num: 4
Candidate Starts for Rebel_40:
(Start: 4 @28488 has 32 MA's), (5, 28509), (7, 28605), (8, 28653), (9, 28740), (10, 28743), (11, 28749),

Gene: Redi_48 Start: 32357, Stop: 32629, Start Num: 4
Candidate Starts for Redi_48:
(Start: 4 @32357 has 32 MA's), (5, 32378), (7, 32474), (8, 32522), (9, 32609), (10, 32612), (11, 32618),

Gene: Rubeelu_47 Start: 32157, Stop: 32429, Start Num: 4
Candidate Starts for Rubeelu_47:
(Start: 4 @32157 has 32 MA's), (5, 32178), (6, 32226), (8, 32322), (9, 32409), (10, 32412),

Gene: Schnauzer_45 Start: 31472, Stop: 31744, Start Num: 4
Candidate Starts for Schnauzer_45:
(1, 31382), (2, 31403), (3, 31427), (Start: 4 @31472 has 32 MA's), (5, 31493), (8, 31637), (9, 31724),

Gene: Scitech_41 Start: 29488, Stop: 29760, Start Num: 4
Candidate Starts for Scitech_41:
(1, 29398), (2, 29419), (3, 29443), (Start: 4 @29488 has 32 MA's), (5, 29509), (8, 29653), (9, 29740),

Gene: ShrimpFriedEgg_48 Start: 32357, Stop: 32629, Start Num: 4
Candidate Starts for ShrimpFriedEgg_48:
(Start: 4 @32357 has 32 MA's), (5, 32378), (7, 32474), (8, 32522), (9, 32609), (10, 32612), (11, 32618),

Gene: Silvafighter_45 Start: 31445, Stop: 31717, Start Num: 4
Candidate Starts for Silvafighter_45:
(1, 31355), (2, 31376), (3, 31400), (Start: 4 @31445 has 32 MA's), (5, 31466), (8, 31610), (9, 31697),

Gene: Silvy_44 Start: 30213, Stop: 30485, Start Num: 4
Candidate Starts for Silvy_44:
(Start: 4 @30213 has 32 MA's), (5, 30234), (8, 30378), (9, 30465), (10, 30468), (11, 30474),

Gene: Smurph_44 Start: 31472, Stop: 31744, Start Num: 4

Candidate Starts for Smurph_44:
(1, 31382), (2, 31403), (3, 31427), (Start: 4 @31472 has 32 MA's), (5, 31493), (8, 31637), (9, 31724),

Gene: Snekmaggedon_42 Start: 30649, Stop: 30921, Start Num: 4
Candidate Starts for Snekmaggedon_42:
(1, 30559), (2, 30580), (3, 30604), (Start: 4 @30649 has 32 MA's), (5, 30670), (8, 30814), (9, 30901),

Gene: SpongeBob_42 Start: 30649, Stop: 30921, Start Num: 4
Candidate Starts for SpongeBob_42:
(1, 30559), (2, 30580), (3, 30604), (Start: 4 @30649 has 32 MA's), (5, 30670), (8, 30814), (9, 30901),

Gene: Tapioca_46 Start: 31438, Stop: 31710, Start Num: 4
Candidate Starts for Tapioca_46:
(1, 31348), (2, 31369), (3, 31393), (Start: 4 @31438 has 32 MA's), (5, 31459), (8, 31603), (9, 31690),

Gene: Xerxes_44 Start: 31469, Stop: 31741, Start Num: 4
Candidate Starts for Xerxes_44:
(1, 31379), (2, 31400), (3, 31424), (Start: 4 @31469 has 32 MA's), (5, 31490), (8, 31634), (9, 31721),