Pham 347805


1: Quartz_35 + 1
2: Mandalorian_34
3: Juanyo_35
4: Carostasia_34
5: HairyMan_33
6: Saratos_36 + 3
7: Kebius_36 + 8
8: Sansa_35
9: Finny_36
10: SirVictor_35 + 1
11: Bustleton_35 + 6
12: Jingles_35
13: Lucky3_35 + 1
14: KatChan_37 + 2
15: Morrigan_37
16: Jemerald_38 + 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 347805 Report

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

Pham number 347805 has 39 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Quartz_35, Nucci_34
• Track 2 : Mandalorian_34
• Track 3 : Juanyo_35
• Track 4 : Carostasia_34
• Track 5 : HairyMan_33
• Track 6 : Saratos_36, Phanita_36, Zenitsu_36, MCubed_36
• Track 7 : Xebius_36, PSirce_36, Andromedas_36, Shamu_36, Eleri_36, Glamour_35, ColaCorta_36, Orpington_36, ChikPic_36
• Track 8 : Sansa_35
• Track 9 : Finny_36
• Track 10 : SirVictor_35, Guetzie_35
• Track 11 : Bustleton_35, Sinatra_35, Kauala_35, PrincePhergus_35, Pherbot_35, Koji_35, RenegadeRaider_36
• Track 12 : Jingles_35
• Track 13 : Lucky3_35, Golden_35
• Track 14 : KatChan_37, Chepli_37, Luna18_37
• Track 15 : Morrigan_37
• Track 16 : Jemerald_38, Juicer_38

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 31 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andromedas_36, Bustleton_35, Chepli_37, ChikPic_36, ColaCorta_36, Eleri_36, Finny_36, Glamour_35, Golden_35, Guetzie_35, Jemerald_38, Jingles_35, Juicer_38, KatChan_37, Kauala_35, Koji_35, Lucky3_35, Luna18_37, MCubed_36, Morrigan_37, Orpington_36, PSirce_36, Phanita_36, Pherbot_35, PrincePhergus_35, RenegadeRaider_36, Sansa_35, Saratos_36, Shamu_36, Sinatra_35, SirVictor_35, Xebius_36, Zenitsu_36,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Carostasia_34, HairyMan_33, Juanyo_35, Mandalorian_34, Nucci_34, Quartz_35,

Summary by start number:

Start 4:
• Found in 33 of 39 (84.6%) of genes in pham
• Manual Annotations of this start: 31 of 37
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_36 (EA2), Bustleton_35 (EA4), Chepli_37 (EA6), ChikPic_36 (EA2), ColaCorta_36 (EA2), Eleri_36 (EA2), Finny_36 (EA2), Glamour_35 (EA2), Golden_35 (EA4), Guetzie_35 (EA4), Jemerald_38 (EA6), Jingles_35 (EA4), Juicer_38 (EA6), KatChan_37 (EA6), Kauala_35 (EA4), Koji_35 (EA4), Lucky3_35 (EA4), Luna18_37 (EA6), MCubed_36 (EA2), Morrigan_37 (EA6), Orpington_36 (EA2), PSirce_36 (EA2), Phanita_36 (EA2), Pherbot_35 (EA4), PrincePhergus_35 (EA4), RenegadeRaider_36 (EA4), Sansa_35 (EA2), Saratos_36 (EA2), Shamu_36 (EA2), Sinatra_35 (EA4), SirVictor_35 (EA4), Xebius_36 (EA2), Zenitsu_36 (EA2),

Start 5:
• Found in 6 of 39 (15.4%) of genes in pham
• Manual Annotations of this start: 5 of 37
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Carostasia_34 (EA10), HairyMan_33 (EA10), Juanyo_35 (EA10), Nucci_34 (EA10), Quartz_35 (EA10),

Start 6:
• Found in 5 of 39 (12.8%) of genes in pham
• Manual Annotations of this start: 1 of 37
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Mandalorian_34 (EA10),

Summary by clusters:

There are 4 clusters represented in this pham: EA2, EA10, EA6, EA4,

Info for manual annotations of cluster EA10:
•Start number 5 was manually annotated 5 times for cluster EA10.
•Start number 6 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA2:
•Start number 4 was manually annotated 14 times for cluster EA2.

Info for manual annotations of cluster EA4:
•Start number 4 was manually annotated 11 times for cluster EA4.

Info for manual annotations of cluster EA6:
•Start number 4 was manually annotated 6 times for cluster EA6.

Gene Information:

Gene: Andromedas_36 Start: 25645, Stop: 25508, Start Num: 4
Candidate Starts for Andromedas_36:
(1, 25813), (2, 25789), (3, 25774), (Start: 4 @25645 has 31 MA's), (8, 25582), (9, 25564),

Gene: Bustleton_35 Start: 25505, Stop: 25365, Start Num: 4
Candidate Starts for Bustleton_35:
(Start: 4 @25505 has 31 MA's),

Gene: Carostasia_34 Start: 25338, Stop: 25198, Start Num: 5
Candidate Starts for Carostasia_34:
(3, 25470), (Start: 5 @25338 has 5 MA's), (Start: 6 @25326 has 1 MA's),

Gene: Chepli_37 Start: 25149, Stop: 24997, Start Num: 4
Candidate Starts for Chepli_37:
(Start: 4 @25149 has 31 MA's), (10, 25041), (12, 25005),

Gene: ChikPic_36 Start: 25655, Stop: 25518, Start Num: 4
Candidate Starts for ChikPic_36:
(1, 25823), (2, 25799), (3, 25784), (Start: 4 @25655 has 31 MA's), (8, 25592), (9, 25574),

Gene: ColaCorta_36 Start: 25645, Stop: 25508, Start Num: 4
Candidate Starts for ColaCorta_36:
(1, 25813), (2, 25789), (3, 25774), (Start: 4 @25645 has 31 MA's), (8, 25582), (9, 25564),

Gene: Eleri_36 Start: 25646, Stop: 25509, Start Num: 4
Candidate Starts for Eleri_36:
(1, 25814), (2, 25790), (3, 25775), (Start: 4 @25646 has 31 MA's), (8, 25583), (9, 25565),

Gene: Finny_36 Start: 25686, Stop: 25549, Start Num: 4
Candidate Starts for Finny_36:
(2, 25830), (3, 25815), (Start: 4 @25686 has 31 MA's), (8, 25623), (9, 25605),

Gene: Glamour_35 Start: 25637, Stop: 25500, Start Num: 4
Candidate Starts for Glamour_35:
(1, 25805), (2, 25781), (3, 25766), (Start: 4 @25637 has 31 MA's), (8, 25574), (9, 25556),

Gene: Golden_35 Start: 25597, Stop: 25457, Start Num: 4
Candidate Starts for Golden_35:
(Start: 4 @25597 has 31 MA's),

Gene: Guetzie_35 Start: 25582, Stop: 25442, Start Num: 4
Candidate Starts for Guetzie_35:
(Start: 4 @25582 has 31 MA's), (11, 25471),

Gene: HairyMan_33 Start: 24938, Stop: 24801, Start Num: 5
Candidate Starts for HairyMan_33:
(Start: 5 @24938 has 5 MA's), (Start: 6 @24926 has 1 MA's), (7, 24920),

Gene: Jemerald_38 Start: 26309, Stop: 26160, Start Num: 4
Candidate Starts for Jemerald_38:
(Start: 4 @26309 has 31 MA's), (10, 26201),

Gene: Jingles_35 Start: 25499, Stop: 25359, Start Num: 4

Candidate Starts for Jingles_35:
(Start: 4 @25499 has 31 MA's),

Gene: Juanyo_35 Start: 25419, Stop: 25279, Start Num: 5
Candidate Starts for Juanyo_35:
(2, 25566), (3, 25551), (Start: 5 @25419 has 5 MA's),

Gene: Juicer_38 Start: 26309, Stop: 26160, Start Num: 4
Candidate Starts for Juicer_38:
(Start: 4 @26309 has 31 MA's), (10, 26201),

Gene: KatChan_37 Start: 25161, Stop: 25009, Start Num: 4
Candidate Starts for KatChan_37:
(Start: 4 @25161 has 31 MA's), (10, 25053), (12, 25017),

Gene: Kauala_35 Start: 25485, Stop: 25345, Start Num: 4
Candidate Starts for Kauala_35:
(Start: 4 @25485 has 31 MA's),

Gene: Koji_35 Start: 25678, Stop: 25538, Start Num: 4
Candidate Starts for Koji_35:
(Start: 4 @25678 has 31 MA's),

Gene: Lucky3_35 Start: 25597, Stop: 25457, Start Num: 4
Candidate Starts for Lucky3_35:
(Start: 4 @25597 has 31 MA's),

Gene: Luna18_37 Start: 25161, Stop: 25009, Start Num: 4
Candidate Starts for Luna18_37:
(Start: 4 @25161 has 31 MA's), (10, 25053), (12, 25017),

Gene: MCubed_36 Start: 25662, Stop: 25525, Start Num: 4
Candidate Starts for MCubed_36:
(2, 25806), (3, 25791), (Start: 4 @25662 has 31 MA's), (8, 25599), (9, 25581),

Gene: Mandalorian_34 Start: 25336, Stop: 25208, Start Num: 6
Candidate Starts for Mandalorian_34:
(2, 25495), (3, 25480), (Start: 5 @25348 has 5 MA's), (Start: 6 @25336 has 1 MA's),

Gene: Morrigan_37 Start: 25182, Stop: 25030, Start Num: 4
Candidate Starts for Morrigan_37:
(Start: 4 @25182 has 31 MA's), (10, 25074),

Gene: Nucci_34 Start: 25343, Stop: 25203, Start Num: 5
Candidate Starts for Nucci_34:
(2, 25490), (3, 25475), (Start: 5 @25343 has 5 MA's), (Start: 6 @25331 has 1 MA's),

Gene: Orpington_36 Start: 25652, Stop: 25515, Start Num: 4
Candidate Starts for Orpington_36:
(1, 25820), (2, 25796), (3, 25781), (Start: 4 @25652 has 31 MA's), (8, 25589), (9, 25571),

Gene: PSirce_36 Start: 25649, Stop: 25512, Start Num: 4
Candidate Starts for PSirce_36:

(1, 25817), (2, 25793), (3, 25778), (Start: 4 @25649 has 31 MA's), (8, 25586), (9, 25568),

Gene: Phanita_36 Start: 25629, Stop: 25492, Start Num: 4
Candidate Starts for Phanita_36:
(2, 25773), (3, 25758), (Start: 4 @25629 has 31 MA's), (8, 25566), (9, 25548),

Gene: Pherbot_35 Start: 25492, Stop: 25352, Start Num: 4
Candidate Starts for Pherbot_35:
(Start: 4 @25492 has 31 MA's),

Gene: PrincePhergus_35 Start: 25507, Stop: 25367, Start Num: 4
Candidate Starts for PrincePhergus_35:
(Start: 4 @25507 has 31 MA's),

Gene: Quartz_35 Start: 25461, Stop: 25321, Start Num: 5
Candidate Starts for Quartz_35:
(2, 25608), (3, 25593), (Start: 5 @25461 has 5 MA's), (Start: 6 @25449 has 1 MA's),

Gene: RenegadeRaider_36 Start: 25374, Stop: 25234, Start Num: 4
Candidate Starts for RenegadeRaider_36:
(Start: 4 @25374 has 31 MA's),

Gene: Sansa_35 Start: 25723, Stop: 25586, Start Num: 4
Candidate Starts for Sansa_35:
(2, 25867), (3, 25852), (Start: 4 @25723 has 31 MA's), (9, 25642),

Gene: Saratos_36 Start: 25631, Stop: 25494, Start Num: 4
Candidate Starts for Saratos_36:
(2, 25775), (3, 25760), (Start: 4 @25631 has 31 MA's), (8, 25568), (9, 25550),

Gene: Shamu_36 Start: 25652, Stop: 25515, Start Num: 4
Candidate Starts for Shamu_36:
(1, 25820), (2, 25796), (3, 25781), (Start: 4 @25652 has 31 MA's), (8, 25589), (9, 25571),

Gene: Sinatra_35 Start: 25503, Stop: 25363, Start Num: 4
Candidate Starts for Sinatra_35:
(Start: 4 @25503 has 31 MA's),

Gene: SirVictor_35 Start: 25582, Stop: 25442, Start Num: 4
Candidate Starts for SirVictor_35:
(Start: 4 @25582 has 31 MA's), (11, 25471),

Gene: Xebius_36 Start: 25634, Stop: 25497, Start Num: 4
Candidate Starts for Xebius_36:
(1, 25802), (2, 25778), (3, 25763), (Start: 4 @25634 has 31 MA's), (8, 25571), (9, 25553),

Gene: Zenitsu_36 Start: 25667, Stop: 25530, Start Num: 4
Candidate Starts for Zenitsu_36:
(2, 25811), (3, 25796), (Start: 4 @25667 has 31 MA's), (8, 25604), (9, 25586),