Pham 347966


1: PeggyLeg03_24 + 1
2: NidoQ_24
3: JeanClaude_21
4: Alatato_20
5: Pigu_20
6: Rooter_20
7: BrayBeast_21
8: Shoya_20
9: Sarge_21
10: Zaheen_24 + 2
11: GoodLuckBabe_24
12: IsHungry_24
13: Popper_22
14: Cassini_22
15: BlackSpider_22
16: BellaJr_24
17: CocoCinnamon_25
18: Skitty_21 + 1
19: Merpity_23
20: Ball_20
21: DillyDally_20

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 347966 Report

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

Pham number 347966 has 25 members, 5 are drafts.

Phages represented in each track:
• Track 1 : PeggyLeg03_24, Constance_24
• Track 2 : NidoQ_24
• Track 3 : JeanClaude_21
• Track 4 : Alatato_20
• Track 5 : Pigu_20
• Track 6 : Rooter_20
• Track 7 : BrayBeast_21
• Track 8 : Shoya_20
• Track 9 : Sarge_21
• Track 10 : Zaheer_24, Yonex_24, Ryan_24
• Track 11 : GoodLuckBabe_24
• Track 12 : IsHungry_24
• Track 13 : Popper_22
• Track 14 : Cassini_22
• Track 15 : BlackSpider_22
• Track 16 : BellaJr_24
• Track 17 : CocoCinnamon_25
• Track 18 : Skitty_21, MrSmee_21
• Track 19 : Merpity_23
• Track 20 : Ball_20
• Track 21 : DillyDally_20

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

The start number called the most often in the published annotations is 14, it was called in 11 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ball_20, BellaJr_24, BrayBeast_21, Cassini_22, CocoCinnamon_25, DillyDally_20, JeanClaude_21, Merpity_23, MrSmee_21, Pigu_20, Popper_22, Rooter_20, Sarge_21, Shoya_20, Skitty_21,

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:
• Alatato_20, BlackSpider_22, Constance_24, GoodLuckBabe_24, IsHungry_24, NidoQ_24, PeggyLeg03_24, Ryan_24, Yonex_24, Zaheer_24,

Summary by start number:

Start 12:
• Found in 6 of 25 (24.0%) 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: Alatato_20 (FB), GoodLuckBabe_24 (FF), IsHungry_24 (FF), Ryan_24 (FF), Yonex_24 (FF), Zaheer_24 (FF),

Start 13:
• Found in 4 of 25 (16.0%) of genes in pham
• Manual Annotations of this start: 4 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackSpider_22 (FN), Constance_24 (FA), NidoQ_24 (FA), PeggyLeg03_24 (FA),

Start 14:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 11 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ball_20 (singleton), BellaJr_24 (FN), BrayBeast_21 (FB), Cassini_22 (FN), CocoCinnamon_25 (FO), DillyDally_20 (singleton), JeanClaude_21 (FB), Merpity_23 (FQ1), MrSmee_21 (FQ1), Pigu_20 (FB), Popper_22 (FF), Rooter_20 (FB), Sarge_21 (FB), Shoya_20 (FB), Skitty_21 (FQ1),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, FA, FB, FF, FQ1, FN, FO,

Info for manual annotations of cluster FA:
•Start number 13 was manually annotated 3 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 12 was manually annotated 1 time for cluster FB.
•Start number 14 was manually annotated 5 times for cluster FB.

Info for manual annotations of cluster FF:
•Start number 12 was manually annotated 4 times for cluster FF.
•Start number 14 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster FN:
•Start number 13 was manually annotated 1 time for cluster FN.
•Start number 14 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FO:
•Start number 14 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FQ1:
•Start number 14 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: Alatato_20 Start: 15782, Stop: 16714, Start Num: 12
Candidate Starts for Alatato_20:
(Start: 12 @15782 has 5 MA's), (22, 15884), (24, 15893), (28, 15908), (36, 16019), (38, 16094), (44, 16232), (48, 16355), (49, 16358), (54, 16478), (64, 16703),

Gene: Ball_20 Start: 16577, Stop: 17452, Start Num: 14
Candidate Starts for Ball_20:
(4, 16514), (Start: 14 @16577 has 11 MA's), (27, 16697), (32, 16715), (34, 16721), (40, 16913), (41, 16919), (44, 17036), (48, 17138), (56, 17273), (65, 17444),

Gene: BellaJr_24 Start: 19206, Stop: 20150, Start Num: 14
Candidate Starts for BellaJr_24:
(1, 19107), (Start: 14 @19206 has 11 MA's), (21, 19308), (28, 19335), (29, 19338), (31, 19347), (39, 19530), (44, 19668), (48, 19809), (51, 19824), (52, 19830), (64, 20139),

Gene: BlackSpider_22 Start: 18049, Stop: 19008, Start Num: 13
Candidate Starts for BlackSpider_22:
(Start: 13 @18049 has 4 MA's), (17, 18142), (18, 18145), (19, 18148), (25, 18169), (40, 18391), (42, 18418), (44, 18514), (47, 18634), (48, 18652), (60, 18862), (64, 18997),

Gene: BrayBeast_21 Start: 16427, Stop: 17380, Start Num: 14
Candidate Starts for BrayBeast_21:
(3, 16355), (8, 16385), (10, 16421), (Start: 14 @16427 has 11 MA's), (19, 16523), (21, 16529), (29, 16559), (30, 16565), (37, 16721), (40, 16766), (44, 16889), (45, 16922), (48, 17039), (51, 17054), (64, 17369),

Gene: Cassini_22 Start: 18289, Stop: 19245, Start Num: 14
Candidate Starts for Cassini_22:
(1, 18190), (Start: 14 @18289 has 11 MA's), (21, 18391), (28, 18418), (29, 18421), (31, 18430), (40, 18628), (42, 18655), (44, 18751), (47, 18871), (48, 18889), (60, 19099), (64, 19234),

Gene: CocoCinnamon_25 Start: 18021, Stop: 18956, Start Num: 14
Candidate Starts for CocoCinnamon_25:
(Start: 14 @18021 has 11 MA's), (18, 18114), (25, 18138), (40, 18357), (44, 18477), (48, 18615), (49, 18618), (63, 18936),

Gene: Constance_24 Start: 18878, Stop: 19768, Start Num: 13
Candidate Starts for Constance_24:
(4, 18818), (8, 18836), (Start: 13 @18878 has 4 MA's), (21, 18974), (54, 19547),

Gene: DillyDally_20 Start: 17117, Stop: 18055, Start Num: 14
Candidate Starts for DillyDally_20:
(3, 17042), (8, 17072), (Start: 14 @17117 has 11 MA's), (19, 17213), (21, 17219), (36, 17360), (43, 17483), (44, 17573), (48, 17711), (57, 17846), (58, 17855),

Gene: GoodLuckBabe_24 Start: 18113, Stop: 19042, Start Num: 12

Candidate Starts for GoodLuckBabe_24:
(7, 18071), (9, 18080), (Start: 12 @18113 has 5 MA's), (15, 18170), (22, 18227), (24, 18236), (43, 18485), (44, 18575), (48, 18698), (55, 18809),

Gene: IsHungry_24 Start: 18089, Stop: 19024, Start Num: 12
Candidate Starts for IsHungry_24:
(7, 18050), (9, 18059), (Start: 12 @18089 has 5 MA's), (22, 18191), (24, 18200), (33, 18233), (48, 18677), (49, 18680),

Gene: JeanClaude_21 Start: 16337, Stop: 17293, Start Num: 14
Candidate Starts for JeanClaude_21:
(2, 16241), (3, 16262), (6, 16286), (Start: 14 @16337 has 11 MA's), (18, 16430), (19, 16433), (20, 16436), (29, 16469), (40, 16676), (44, 16799), (48, 16937), (54, 17042), (60, 17147), (64, 17282),

Gene: Merpity_23 Start: 16139, Stop: 17095, Start Num: 14
Candidate Starts for Merpity_23:
(11, 16133), (Start: 14 @16139 has 11 MA's), (16, 16217), (17, 16229), (18, 16232), (26, 16259), (28, 16268), (37, 16433), (40, 16478), (42, 16505), (44, 16601), (47, 16721), (48, 16739), (60, 16949), (61, 16958), (64, 17084),

Gene: MrSmee_21 Start: 16139, Stop: 17095, Start Num: 14
Candidate Starts for MrSmee_21:
(11, 16133), (Start: 14 @16139 has 11 MA's), (16, 16217), (17, 16229), (18, 16232), (26, 16259), (28, 16268), (40, 16478), (42, 16505), (44, 16601), (47, 16721), (48, 16739), (60, 16949), (64, 17084),

Gene: NidoQ_24 Start: 18892, Stop: 19782, Start Num: 13
Candidate Starts for NidoQ_24:
(8, 18850), (Start: 13 @18892 has 4 MA's), (21, 18988), (54, 19561),

Gene: PeggyLeg03_24 Start: 18878, Stop: 19768, Start Num: 13
Candidate Starts for PeggyLeg03_24:
(4, 18818), (8, 18836), (Start: 13 @18878 has 4 MA's), (21, 18974), (54, 19547),

Gene: Pigu_20 Start: 16095, Stop: 17036, Start Num: 14
Candidate Starts for Pigu_20:
(Start: 14 @16095 has 11 MA's), (18, 16188), (20, 16194), (23, 16206), (29, 16227), (36, 16338), (39, 16419), (44, 16554), (48, 16692), (53, 16725), (59, 16878), (64, 17025),

Gene: Popper_22 Start: 17632, Stop: 18537, Start Num: 14
Candidate Starts for Popper_22:
(8, 17587), (Start: 14 @17632 has 11 MA's), (23, 17743), (34, 17782), (43, 17998), (44, 18088), (48, 18208), (50, 18214), (58, 18352), (62, 18505),

Gene: Rooter_20 Start: 15971, Stop: 16915, Start Num: 14
Candidate Starts for Rooter_20:
(5, 15920), (8, 15929), (10, 15965), (Start: 14 @15971 has 11 MA's), (21, 16073), (30, 16109), (35, 16145), (44, 16433), (46, 16514), (48, 16565), (49, 16568), (59, 16754), (64, 16904),

Gene: Ryan_24 Start: 18293, Stop: 19222, Start Num: 12
Candidate Starts for Ryan_24:
(7, 18251), (9, 18260), (Start: 12 @18293 has 5 MA's), (15, 18350), (22, 18407), (24, 18416), (43, 18665), (44, 18755), (48, 18878),

Gene: Sarge_21 Start: 16338, Stop: 17294, Start Num: 14
Candidate Starts for Sarge_21:
(8, 16296), (10, 16332), (Start: 14 @16338 has 11 MA's), (21, 16452), (35, 16524), (36, 16593), (44, 16812), (46, 16893), (48, 16944), (49, 16947), (59, 17133), (64, 17283),

Gene: Shoya_20 Start: 15977, Stop: 16933, Start Num: 14
Candidate Starts for Shoya_20:
(2, 15881), (3, 15902), (6, 15926), (Start: 14 @15977 has 11 MA's), (18, 16070), (19, 16073), (20, 16076), (29, 16109), (37, 16271), (40, 16316), (44, 16439), (48, 16577), (54, 16682), (60, 16787), (64, 16922),

Gene: Skitty_21 Start: 16139, Stop: 17095, Start Num: 14
Candidate Starts for Skitty_21:
(11, 16133), (Start: 14 @16139 has 11 MA's), (16, 16217), (17, 16229), (18, 16232), (26, 16259), (28, 16268), (40, 16478), (42, 16505), (44, 16601), (47, 16721), (48, 16739), (60, 16949), (64, 17084),

Gene: Yonex_24 Start: 18293, Stop: 19222, Start Num: 12
Candidate Starts for Yonex_24:
(7, 18251), (9, 18260), (Start: 12 @18293 has 5 MA's), (15, 18350), (22, 18407), (24, 18416), (43, 18665), (44, 18755), (48, 18878),

Gene: Zaheer_24 Start: 18382, Stop: 19311, Start Num: 12
Candidate Starts for Zaheer_24:
(7, 18340), (9, 18349), (Start: 12 @18382 has 5 MA's), (15, 18439), (22, 18496), (24, 18505), (43, 18754), (44, 18844), (48, 18967),