Pham 196933


1: Tonenili_21
2: LolaVinca_10
3: Suerte_55
4: Moonbeam_89
5: Phatniss_83
6: NormanBulbieJr_83 + 2
7: Ibhubesi_81
8: Rialto_92
9: Sparkdehlily_95 + 1
10: Harley_91
11: Sabbb_90
12: Ryadel_104

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 196933 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196933 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tonenili_21
• Track 2 : LolaVinca_10
• Track 3 : Suerte_55
• Track 4 : Moonbeam_89
• Track 5 : Phatniss_83
• Track 6 : NormanBulbieJr_83, Koella_77, Priscilla_85
• Track 7 : Ibhubesi_81
• Track 8 : Rialto_92
• Track 9 : Sparkdehlily_95, TDanisky_96
• Track 10 : Harley_91
• Track 11 : Sabbb_90
• Track 12 : Ryadel_104

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

The start number called the most often in the published annotations is 15, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Harley_91, Koella_77, NormanBulbieJr_83, Phatniss_83, Priscilla_85, Ryadel_104, Sabbb_90, Suerte_55, Tonenili_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:
• Ibhubesi_81, LolaVinca_10, Moonbeam_89, Rialto_92, Sparkdehlily_95, TDanisky_96,

Summary by start number:

Start 13:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: LolaVinca_10 (C1),

Start 14:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibhubesi_81 (F1),

Start 15:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Harley_91 (F1), Koella_77 (F1), NormanBulbieJr_83 (F1), Phatniss_83 (F1), Priscilla_85 (F1), Ryadel_104 (O), Sabbb_90 (F1), Suerte_55 (CZ4), Tonenili_21 (C1),

Start 16:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sparkdehlily_95 (F1), TDanisky_96 (F1),

Start 17:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Moonbeam_89 (F1),

Start 19:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Rialto_92 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, C1, O, CZ4,

Info for manual annotations of cluster C1:
•Start number 13 was manually annotated 1 time for cluster C1.
•Start number 15 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CZ4:
•Start number 15 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster F1:
•Start number 14 was manually annotated 1 time for cluster F1.
•Start number 15 was manually annotated 6 times for cluster F1.
•Start number 16 was manually annotated 2 times for cluster F1.
•Start number 17 was manually annotated 1 time for cluster F1.
•Start number 19 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster O:
•Start number 15 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Harley_91 Start: 51213, Stop: 51740, Start Num: 15
Candidate Starts for Harley_91:
(11, 51174), (Start: 15 @51213 has 9 MA's), (29, 51351), (33, 51375), (35, 51399), (36, 51429), (38, 51441), (40, 51474), (46, 51537), (53, 51615), (54, 51630),

Gene: Ibhubesi_81 Start: 47329, Stop: 47838, Start Num: 14
Candidate Starts for Ibhubesi_81:
(Start: 14 @47329 has 1 MA's), (23, 47413), (25, 47422), (31, 47458), (38, 47539), (40, 47572), (46, 47635), (53, 47713), (54, 47728),

Gene: Koella_77 Start: 46451, Stop: 46915, Start Num: 15
Candidate Starts for Koella_77:
(Start: 15 @46451 has 9 MA's), (18, 46460), (26, 46562), (29, 46571), (36, 46643), (38, 46655), (39, 46697), (49, 46799),

Gene: LolaVinca_10 Start: 2977, Stop: 3399, Start Num: 13
Candidate Starts for LolaVinca_10:
(5, 2860), (7, 2890), (8, 2917), (12, 2953), (Start: 13 @2977 has 1 MA's), (24, 3064), (27, 3079), (32, 3106), (34, 3112), (36, 3157), (38, 3169), (41, 3220), (42, 3223), (44, 3253), (47, 3295), (51, 3334),

Gene: Moonbeam_89 Start: 51150, Stop: 51629, Start Num: 17
Candidate Starts for Moonbeam_89:
(Start: 17 @51150 has 1 MA's), (Start: 19 @51153 has 1 MA's), (25, 51222), (27, 51234), (32, 51261), (34, 51267), (36, 51312), (38, 51324), (41, 51375), (42, 51378), (44, 51408), (47, 51450), (57, 51576),

Gene: NormanBulbieJr_83 Start: 50465, Stop: 50929, Start Num: 15
Candidate Starts for NormanBulbieJr_83:
(Start: 15 @50465 has 9 MA's), (18, 50474), (26, 50576), (29, 50585), (36, 50657), (38, 50669), (39, 50711), (49, 50813),

Gene: Phatniss_83 Start: 49365, Stop: 49781, Start Num: 15
Candidate Starts for Phatniss_83:
(Start: 15 @49365 has 9 MA's), (23, 49449), (25, 49458), (31, 49494), (36, 49563), (38, 49575), (40, 49608), (50, 49707),

Gene: Priscilla_85 Start: 50563, Stop: 51027, Start Num: 15
Candidate Starts for Priscilla_85:
(Start: 15 @50563 has 9 MA's), (18, 50572), (26, 50674), (29, 50683), (36, 50755), (38, 50767), (39, 50809), (49, 50911),

Gene: Rialto_92 Start: 51249, Stop: 51725, Start Num: 19
Candidate Starts for Rialto_92:
(Start: 17 @51246 has 1 MA's), (Start: 19 @51249 has 1 MA's), (25, 51318), (27, 51330), (32, 51357), (34, 51363), (36, 51408), (38, 51420), (41, 51471), (42, 51474), (44, 51504), (47, 51546), (57, 51672),

Gene: Ryadel_104 Start: 63381, Stop: 62932, Start Num: 15

Candidate Starts for Ryadel_104:
(9, 63432), (Start: 15 @63381 has 9 MA's), (20, 63369), (22, 63303), (28, 63240), (30, 63216), (36, 63132), (38, 63120), (40, 63087), (55, 62937),

Gene: Sabbb_90 Start: 48794, Stop: 49228, Start Num: 15
Candidate Starts for Sabbb_90:
(11, 48755), (Start: 15 @48794 has 9 MA's), (20, 48806), (24, 48869), (27, 48884), (32, 48911), (34, 48917), (36, 48962), (38, 48974), (41, 49025), (42, 49028), (44, 49058), (47, 49100),

Gene: Sparkdehlily_95 Start: 49514, Stop: 49996, Start Num: 16
Candidate Starts for Sparkdehlily_95:
(Start: 16 @49514 has 2 MA's), (Start: 17 @49517 has 1 MA's), (Start: 19 @49520 has 1 MA's), (25, 49589), (27, 49601), (32, 49628), (34, 49634), (36, 49679), (38, 49691), (41, 49742), (42, 49745), (44, 49775), (47, 49817), (57, 49943),

Gene: Suerte_55 Start: 39354, Stop: 39890, Start Num: 15
Candidate Starts for Suerte_55:
(2, 39168), (3, 39201), (10, 39300), (Start: 15 @39354 has 9 MA's), (20, 39366), (21, 39429), (37, 39597), (41, 39660), (45, 39711), (52, 39783), (56, 39825),

Gene: TDanisky_96 Start: 49514, Stop: 49996, Start Num: 16
Candidate Starts for TDanisky_96:
(Start: 16 @49514 has 2 MA's), (Start: 17 @49517 has 1 MA's), (Start: 19 @49520 has 1 MA's), (25, 49589), (27, 49601), (32, 49628), (34, 49634), (36, 49679), (38, 49691), (41, 49742), (42, 49745), (44, 49775), (47, 49817), (57, 49943),

Gene: Tonenili_21 Start: 6415, Stop: 6846, Start Num: 15
Candidate Starts for Tonenili_21:
(1, 6136), (4, 6280), (6, 6283), (Start: 15 @6415 has 9 MA's), (20, 6427), (27, 6535), (29, 6553), (33, 6577), (35, 6601), (36, 6631), (38, 6643), (43, 6715), (48, 6769),