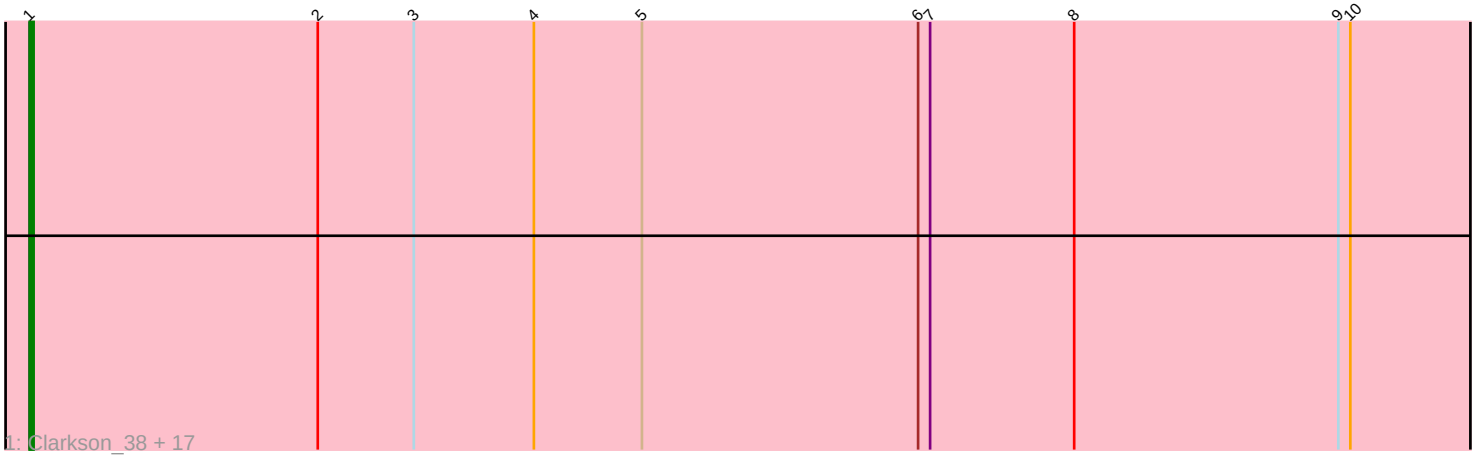
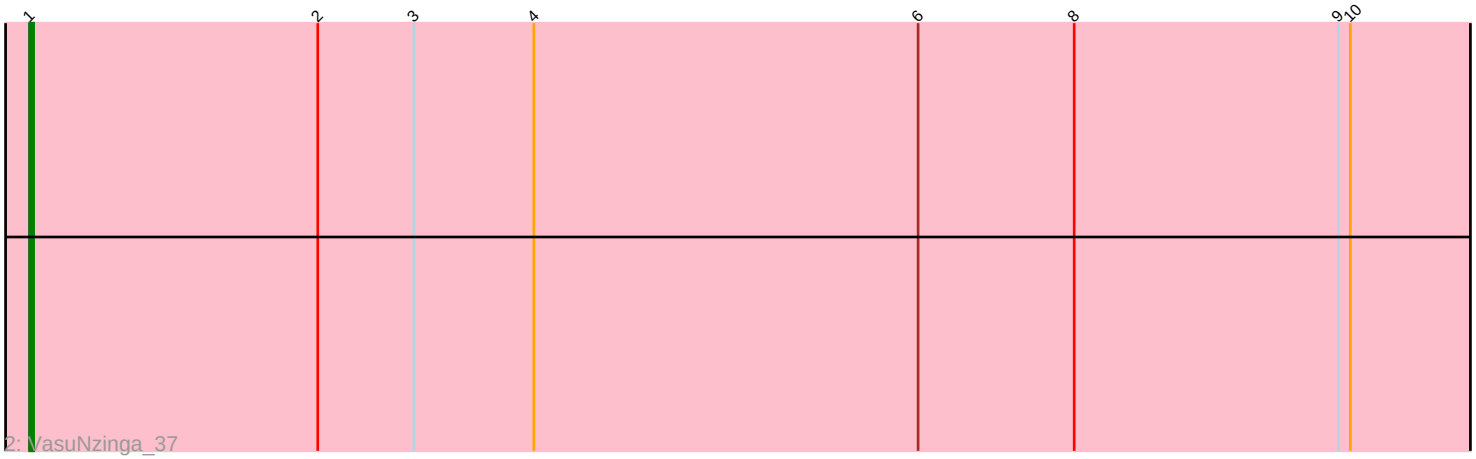
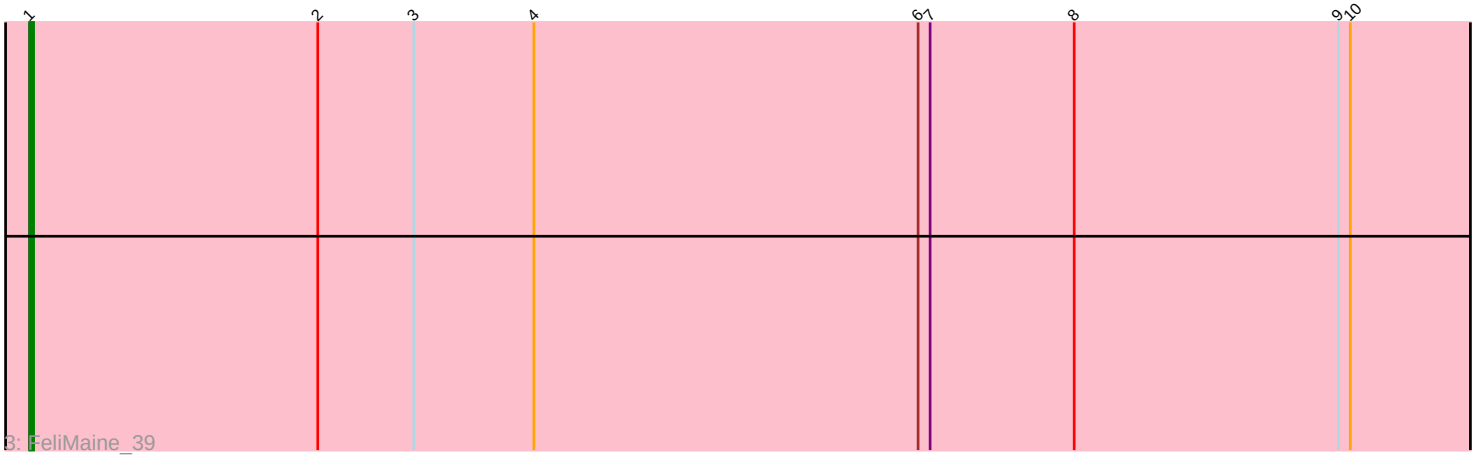
Pham 344405


1
2
3
4
5
6
7
8
9
10
1: Clarkson_38 + 17


1
2
3
4
6
8
9
10
2: VasuNzinga_37


1
2
3
4
6
7
8
9
10
3: FeliMaine_39

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 344405 Report

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

Pham number 344405 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Clarkson_38, MosMoris_35, Gattaca_36, JoieB_38, Huphlepuff_39, Tesla_36, Blackbeetle_37, RedRaider77_37, Marvin_35, Raela_37, Beelzebub_41, Poise_37, Caprice_36, LittleLaf_37, Lilbit_36, Corazon_35, GoongGoong_36, Pringar_37
• Track 2 : VasuNzinga_37
• Track 3 : FeliMaine_39

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

The start number called the most often in the published annotations is 1, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_41, Blackbeetle_37, Caprice_36, Clarkson_38, Corazon_35, FeliMaine_39, Gattaca_36, GoongGoong_36, Huphlepuff_39, JoieB_38, Lilbit_36, LittleLaf_37, Marvin_35, MosMoris_35, Poise_37, Pringar_37, Raela_37, RedRaider77_37, Tesla_36, VasuNzinga_37,

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 1:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_41 (S), Blackbeetle_37 (S), Caprice_36 (S), Clarkson_38 (S), Corazon_35 (S), FeliMaine_39 (S), Gattaca_36 (S), GoongGoong_36 (S), Huphlepuff_39 (S), JoieB_38 (S), Lilbit_36 (S), LittleLaf_37 (S), Marvin_35 (S), MosMoris_35 (S), Poise_37 (S), Pringar_37 (S), Raela_37 (S),

RedRaider77_37 (S), Tesla_36 (S), VasuNzinga_37 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:
•Start number 1 was manually annotated 20 times for cluster S.

Gene Information:

Gene: Beelzebub_41 Start: 14720, Stop: 15364, Start Num: 1
Candidate Starts for Beelzebub_41:
(Start: 1 @14720 has 20 MA's), (2, 14792), (3, 14816), (4, 14846), (5, 14873), (6, 14942), (7, 14945), (8, 14981), (9, 15047), (10, 15050),

Gene: Blackbeetle_37 Start: 13739, Stop: 14383, Start Num: 1
Candidate Starts for Blackbeetle_37:
(Start: 1 @13739 has 20 MA's), (2, 13811), (3, 13835), (4, 13865), (5, 13892), (6, 13961), (7, 13964), (8, 14000), (9, 14066), (10, 14069),

Gene: Caprice_36 Start: 13809, Stop: 14453, Start Num: 1
Candidate Starts for Caprice_36:
(Start: 1 @13809 has 20 MA's), (2, 13881), (3, 13905), (4, 13935), (5, 13962), (6, 14031), (7, 14034), (8, 14070), (9, 14136), (10, 14139),

Gene: Clarkson_38 Start: 14421, Stop: 15065, Start Num: 1
Candidate Starts for Clarkson_38:
(Start: 1 @14421 has 20 MA's), (2, 14493), (3, 14517), (4, 14547), (5, 14574), (6, 14643), (7, 14646), (8, 14682), (9, 14748), (10, 14751),

Gene: Corazon_35 Start: 14374, Stop: 15018, Start Num: 1
Candidate Starts for Corazon_35:
(Start: 1 @14374 has 20 MA's), (2, 14446), (3, 14470), (4, 14500), (5, 14527), (6, 14596), (7, 14599), (8, 14635), (9, 14701), (10, 14704),

Gene: FeliMaine_39 Start: 14422, Stop: 15066, Start Num: 1
Candidate Starts for FeliMaine_39:
(Start: 1 @14422 has 20 MA's), (2, 14494), (3, 14518), (4, 14548), (6, 14644), (7, 14647), (8, 14683), (9, 14749), (10, 14752),

Gene: Gattaca_36 Start: 13601, Stop: 14245, Start Num: 1
Candidate Starts for Gattaca_36:
(Start: 1 @13601 has 20 MA's), (2, 13673), (3, 13697), (4, 13727), (5, 13754), (6, 13823), (7, 13826), (8, 13862), (9, 13928), (10, 13931),

Gene: GoongGoong_36 Start: 13641, Stop: 14285, Start Num: 1
Candidate Starts for GoongGoong_36:
(Start: 1 @13641 has 20 MA's), (2, 13713), (3, 13737), (4, 13767), (5, 13794), (6, 13863), (7, 13866), (8, 13902), (9, 13968), (10, 13971),

Gene: Huphlepuff_39 Start: 14226, Stop: 14870, Start Num: 1
Candidate Starts for Huphlepuff_39:
(Start: 1 @14226 has 20 MA's), (2, 14298), (3, 14322), (4, 14352), (5, 14379), (6, 14448), (7, 14451), (8, 14487), (9, 14553), (10, 14556),

Gene: JoieB_38 Start: 14445, Stop: 15089, Start Num: 1
Candidate Starts for JoieB_38:
(Start: 1 @14445 has 20 MA's), (2, 14517), (3, 14541), (4, 14571), (5, 14598), (6, 14667), (7, 14670), (8, 14706), (9, 14772), (10, 14775),

Gene: Lilbit_36 Start: 14422, Stop: 15066, Start Num: 1
Candidate Starts for Lilbit_36:
(Start: 1 @14422 has 20 MA's), (2, 14494), (3, 14518), (4, 14548), (5, 14575), (6, 14644), (7, 14647), (8, 14683), (9, 14749), (10, 14752),

Gene: LittleLaf_37 Start: 14151, Stop: 14795, Start Num: 1
Candidate Starts for LittleLaf_37:
(Start: 1 @14151 has 20 MA's), (2, 14223), (3, 14247), (4, 14277), (5, 14304), (6, 14373), (7, 14376), (8, 14412), (9, 14478), (10, 14481),

Gene: Marvin_35 Start: 14421, Stop: 15065, Start Num: 1
Candidate Starts for Marvin_35:
(Start: 1 @14421 has 20 MA's), (2, 14493), (3, 14517), (4, 14547), (5, 14574), (6, 14643), (7, 14646), (8, 14682), (9, 14748), (10, 14751),

Gene: MosMoris_35 Start: 13601, Stop: 14245, Start Num: 1
Candidate Starts for MosMoris_35:
(Start: 1 @13601 has 20 MA's), (2, 13673), (3, 13697), (4, 13727), (5, 13754), (6, 13823), (7, 13826), (8, 13862), (9, 13928), (10, 13931),

Gene: Poise_37 Start: 13739, Stop: 14383, Start Num: 1
Candidate Starts for Poise_37:
(Start: 1 @13739 has 20 MA's), (2, 13811), (3, 13835), (4, 13865), (5, 13892), (6, 13961), (7, 13964), (8, 14000), (9, 14066), (10, 14069),

Gene: Pringar_37 Start: 14051, Stop: 14695, Start Num: 1
Candidate Starts for Pringar_37:
(Start: 1 @14051 has 20 MA's), (2, 14123), (3, 14147), (4, 14177), (5, 14204), (6, 14273), (7, 14276), (8, 14312), (9, 14378), (10, 14381),

Gene: Raela_37 Start: 14294, Stop: 14938, Start Num: 1
Candidate Starts for Raela_37:
(Start: 1 @14294 has 20 MA's), (2, 14366), (3, 14390), (4, 14420), (5, 14447), (6, 14516), (7, 14519), (8, 14555), (9, 14621), (10, 14624),

Gene: RedRaider77_37 Start: 14195, Stop: 14839, Start Num: 1
Candidate Starts for RedRaider77_37:
(Start: 1 @14195 has 20 MA's), (2, 14267), (3, 14291), (4, 14321), (5, 14348), (6, 14417), (7, 14420), (8, 14456), (9, 14522), (10, 14525),

Gene: Tesla_36 Start: 14044, Stop: 14688, Start Num: 1
Candidate Starts for Tesla_36:

(Start: 1 @14044 has 20 MA's), (2, 14116), (3, 14140), (4, 14170), (5, 14197), (6, 14266), (7, 14269), (8, 14305), (9, 14371), (10, 14374),

Gene: VasuNzinga_37 Start: 13628, Stop: 14272, Start Num: 1
Candidate Starts for VasuNzinga_37:
(Start: 1 @13628 has 20 MA's), (2, 13700), (3, 13724), (4, 13754), (6, 13850), (8, 13889), (9, 13955), (10, 13958),