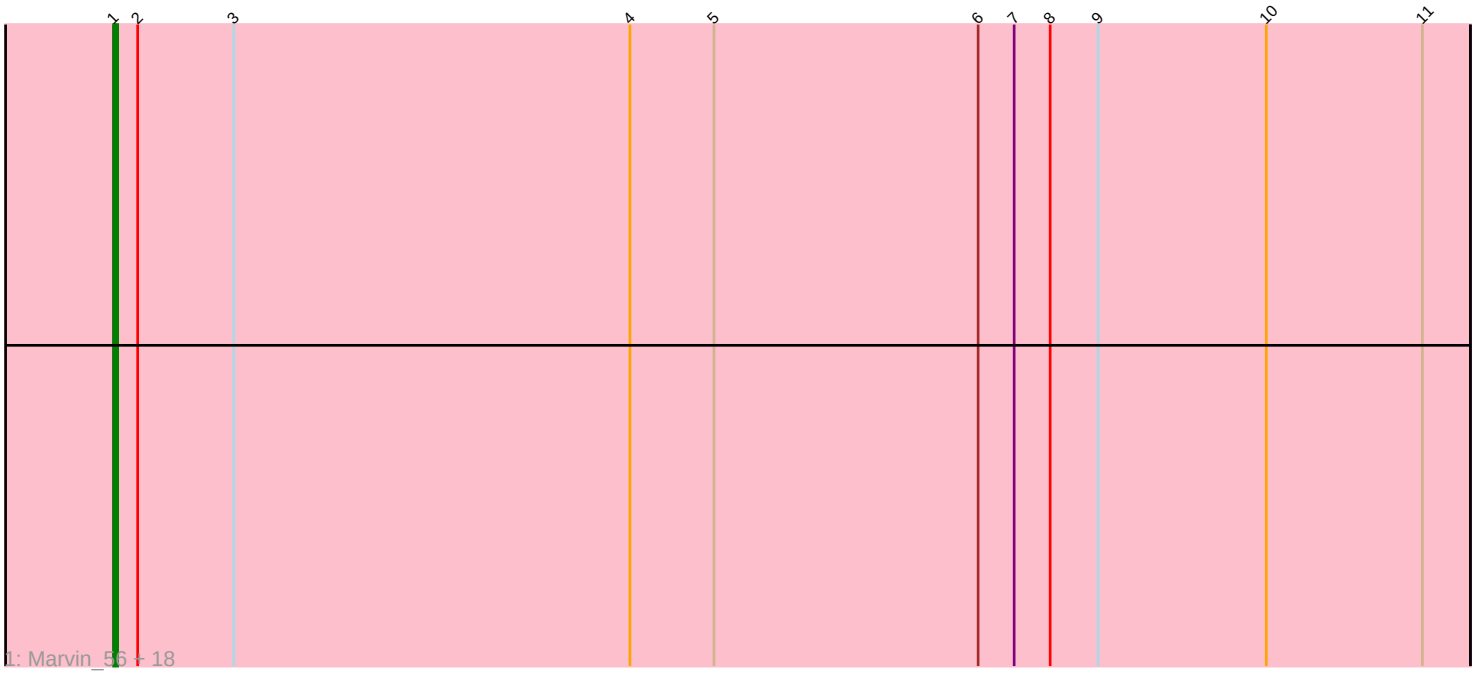
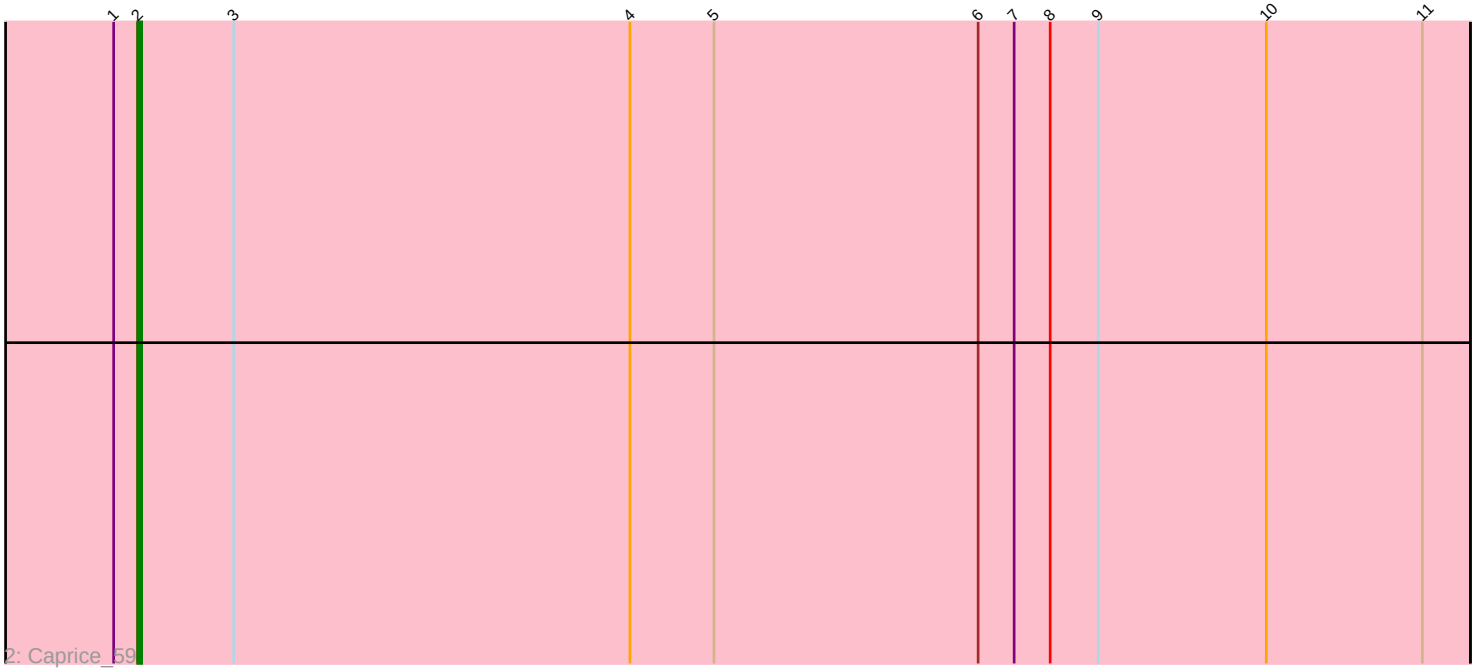
Pham 335318





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 335318 Report

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

Pham number 335318 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marvin_56, RedRaider77_59, GoongGoong_59, Blackbeetle_60, VasuNzinga_59, Beelzebub_64, Huphlepuff_62, Tesla_57, Gattaca_58, JoieB_61, LittleLaf_60, Raela_60, Lilbit_58, MosMoris_57, Pringar_59, FeliMaine_62, Poise_60, Clarkson_61, Corazon_58
• Track 2 : Caprice_59

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 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_64, Blackbeetle_60, Clarkson_61, Corazon_58, FeliMaine_62, Gattaca_58, GoongGoong_59, Huphlepuff_62, JoieB_61, Lilbit_58, LittleLaf_60, Marvin_56, MosMoris_57, Poise_60, Pringar_59, Raela_60, RedRaider77_59, Tesla_57, VasuNzinga_59,

Genes that have the "Most Annotated" start but do not call it:
• Caprice_59,

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: 19 of 20
• Called 95.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_64 (S), Blackbeetle_60 (S), Clarkson_61 (S), Corazon_58 (S), FeliMaine_62 (S), Gattaca_58 (S), GoongGoong_59 (S), Huphlepuff_62 (S), JoieB_61 (S), Lilbit_58 (S), LittleLaf_60 (S), Marvin_56 (S), MosMoris_57 (S), Poise_60 (S), Pringar_59 (S), Raela_60 (S), RedRaider77_59 (S), Tesla_57 (S), VasuNzinga_59 (S),

Start 2:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Caprice_59 (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 19 times for cluster S.
•Start number 2 was manually annotated 1 time for cluster S.

Gene Information:

Gene: Beelzebub_64 Start: 34993, Stop: 35331, Start Num: 1
Candidate Starts for Beelzebub_64:
(Start: 1 @34993 has 19 MA's), (Start: 2 @34999 has 1 MA's), (3, 35023), (4, 35122), (5, 35143), (6, 35209), (7, 35218), (8, 35227), (9, 35239), (10, 35281), (11, 35320),

Gene: Blackbeetle_60 Start: 34038, Stop: 34376, Start Num: 1
Candidate Starts for Blackbeetle_60:
(Start: 1 @34038 has 19 MA's), (Start: 2 @34044 has 1 MA's), (3, 34068), (4, 34167), (5, 34188), (6, 34254), (7, 34263), (8, 34272), (9, 34284), (10, 34326), (11, 34365),

Gene: Caprice_59 Start: 34358, Stop: 34690, Start Num: 2
Candidate Starts for Caprice_59:
(Start: 1 @34352 has 19 MA's), (Start: 2 @34358 has 1 MA's), (3, 34382), (4, 34481), (5, 34502), (6, 34568), (7, 34577), (8, 34586), (9, 34598), (10, 34640), (11, 34679),

Gene: Clarkson_61 Start: 34721, Stop: 35059, Start Num: 1
Candidate Starts for Clarkson_61:
(Start: 1 @34721 has 19 MA's), (Start: 2 @34727 has 1 MA's), (3, 34751), (4, 34850), (5, 34871), (6, 34937), (7, 34946), (8, 34955), (9, 34967), (10, 35009), (11, 35048),

Gene: Corazon_58 Start: 34915, Stop: 35253, Start Num: 1
Candidate Starts for Corazon_58:
(Start: 1 @34915 has 19 MA's), (Start: 2 @34921 has 1 MA's), (3, 34945), (4, 35044), (5, 35065), (6, 35131), (7, 35140), (8, 35149), (9, 35161), (10, 35203), (11, 35242),

Gene: FeliMaine_62 Start: 34963, Stop: 35301, Start Num: 1
Candidate Starts for FeliMaine_62:
(Start: 1 @34963 has 19 MA's), (Start: 2 @34969 has 1 MA's), (3, 34993), (4, 35092), (5, 35113), (6, 35179), (7, 35188), (8, 35197), (9, 35209), (10, 35251), (11, 35290),

Gene: Gattaca_58 Start: 34142, Stop: 34480, Start Num: 1
Candidate Starts for Gattaca_58:
(Start: 1 @34142 has 19 MA's), (Start: 2 @34148 has 1 MA's), (3, 34172), (4, 34271), (5, 34292), (6, 34358), (7, 34367), (8, 34376), (9, 34388), (10, 34430), (11, 34469),

Gene: GoongGoong_59 Start: 33941, Stop: 34279, Start Num: 1
Candidate Starts for GoongGoong_59:
(Start: 1 @33941 has 19 MA's), (Start: 2 @33947 has 1 MA's), (3, 33971), (4, 34070), (5, 34091), (6, 34157), (7, 34166), (8, 34175), (9, 34187), (10, 34229), (11, 34268),

Gene: Huphlepuff_62 Start: 34526, Stop: 34864, Start Num: 1
Candidate Starts for Huphlepuff_62:
(Start: 1 @34526 has 19 MA's), (Start: 2 @34532 has 1 MA's), (3, 34556), (4, 34655), (5, 34676), (6, 34742), (7, 34751), (8, 34760), (9, 34772), (10, 34814), (11, 34853),

Gene: JoieB_61 Start: 34959, Stop: 35297, Start Num: 1
Candidate Starts for JoieB_61:
(Start: 1 @34959 has 19 MA's), (Start: 2 @34965 has 1 MA's), (3, 34989), (4, 35088), (5, 35109), (6, 35175), (7, 35184), (8, 35193), (9, 35205), (10, 35247), (11, 35286),

Gene: Lilbit_58 Start: 34722, Stop: 35060, Start Num: 1
Candidate Starts for Lilbit_58:
(Start: 1 @34722 has 19 MA's), (Start: 2 @34728 has 1 MA's), (3, 34752), (4, 34851), (5, 34872), (6, 34938), (7, 34947), (8, 34956), (9, 34968), (10, 35010), (11, 35049),

Gene: LittleLaf_60 Start: 34451, Stop: 34789, Start Num: 1
Candidate Starts for LittleLaf_60:
(Start: 1 @34451 has 19 MA's), (Start: 2 @34457 has 1 MA's), (3, 34481), (4, 34580), (5, 34601), (6, 34667), (7, 34676), (8, 34685), (9, 34697), (10, 34739), (11, 34778),

Gene: Marvin_56 Start: 34209, Stop: 34547, Start Num: 1
Candidate Starts for Marvin_56:
(Start: 1 @34209 has 19 MA's), (Start: 2 @34215 has 1 MA's), (3, 34239), (4, 34338), (5, 34359), (6, 34425), (7, 34434), (8, 34443), (9, 34455), (10, 34497), (11, 34536),

Gene: MosMoris_57 Start: 34142, Stop: 34480, Start Num: 1
Candidate Starts for MosMoris_57:
(Start: 1 @34142 has 19 MA's), (Start: 2 @34148 has 1 MA's), (3, 34172), (4, 34271), (5, 34292), (6, 34358), (7, 34367), (8, 34376), (9, 34388), (10, 34430), (11, 34469),

Gene: Poise_60 Start: 34038, Stop: 34376, Start Num: 1
Candidate Starts for Poise_60:
(Start: 1 @34038 has 19 MA's), (Start: 2 @34044 has 1 MA's), (3, 34068), (4, 34167), (5, 34188), (6, 34254), (7, 34263), (8, 34272), (9, 34284), (10, 34326), (11, 34365),

Gene: Pringar_59 Start: 34327, Stop: 34665, Start Num: 1
Candidate Starts for Pringar_59:
(Start: 1 @34327 has 19 MA's), (Start: 2 @34333 has 1 MA's), (3, 34357), (4, 34456), (5, 34477), (6, 34543), (7, 34552), (8, 34561), (9, 34573), (10, 34615), (11, 34654),

Gene: Raela_60 Start: 34595, Stop: 34933, Start Num: 1
Candidate Starts for Raela_60:
(Start: 1 @34595 has 19 MA's), (Start: 2 @34601 has 1 MA's), (3, 34625), (4, 34724), (5, 34745), (6, 34811), (7, 34820), (8, 34829), (9, 34841), (10, 34883), (11, 34922),

Gene: RedRaider77_59 Start: 33983, Stop: 34321, Start Num: 1
Candidate Starts for RedRaider77_59:

(Start: 1 @33983 has 19 MA's), (Start: 2 @33989 has 1 MA's), (3, 34013), (4, 34112), (5, 34133), (6, 34199), (7, 34208), (8, 34217), (9, 34229), (10, 34271), (11, 34310),

Gene: Tesla_57 Start: 33832, Stop: 34170, Start Num: 1
Candidate Starts for Tesla_57:
(Start: 1 @33832 has 19 MA's), (Start: 2 @33838 has 1 MA's), (3, 33862), (4, 33961), (5, 33982), (6, 34048), (7, 34057), (8, 34066), (9, 34078), (10, 34120), (11, 34159),

Gene: VasuNzinga_59 Start: 33901, Stop: 34239, Start Num: 1
Candidate Starts for VasuNzinga_59:
(Start: 1 @33901 has 19 MA's), (Start: 2 @33907 has 1 MA's), (3, 33931), (4, 34030), (5, 34051), (6, 34117), (7, 34126), (8, 34135), (9, 34147), (10, 34189), (11, 34228),