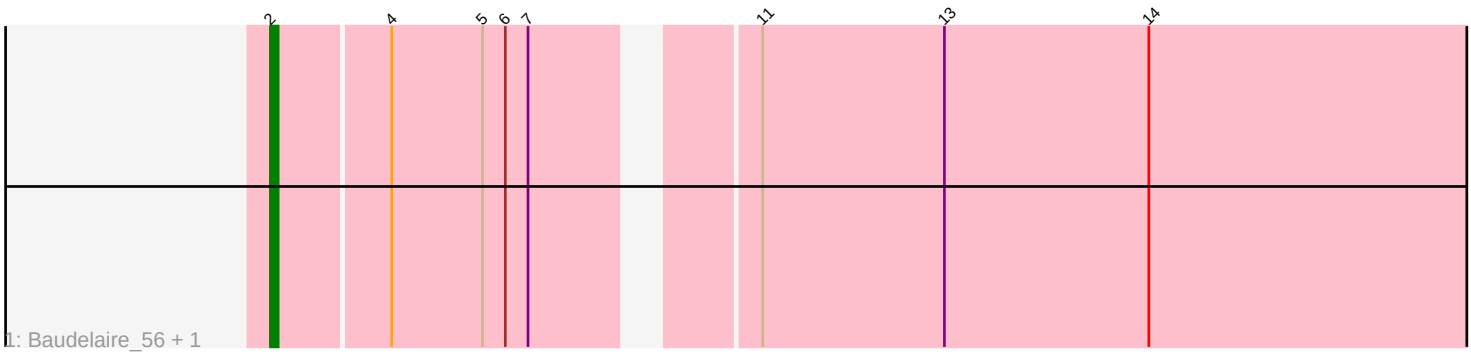
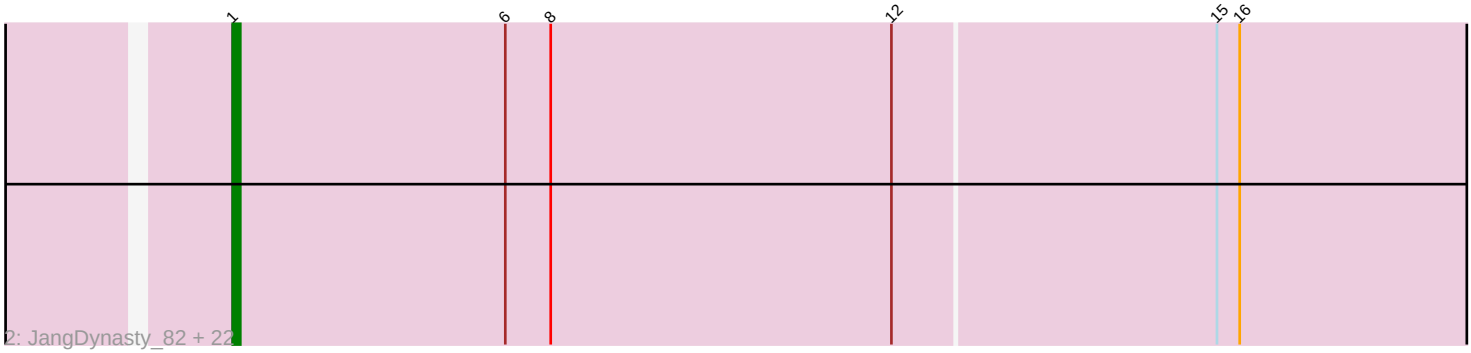
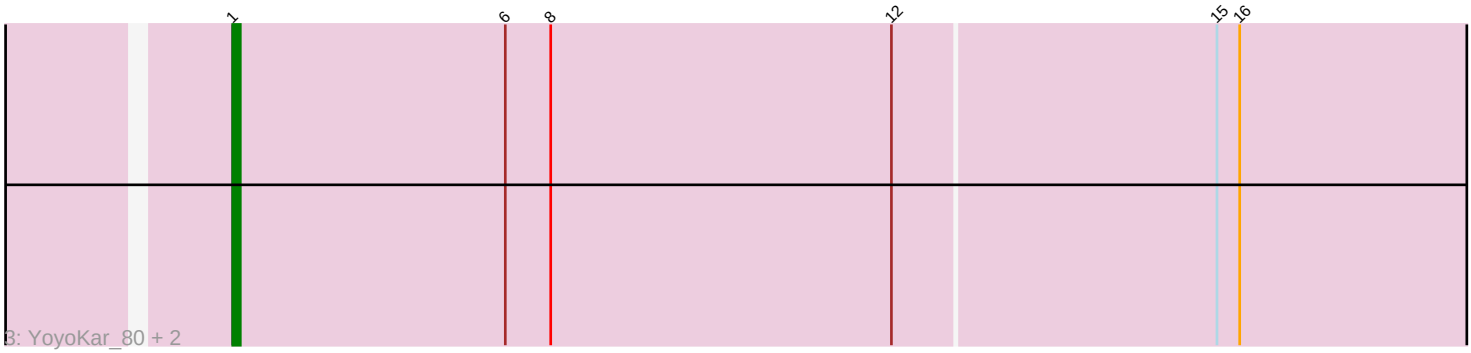
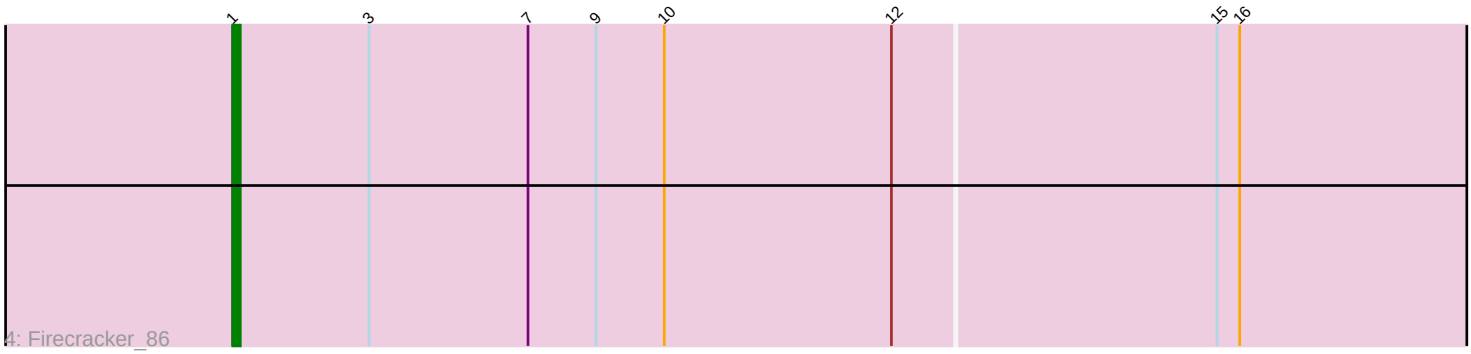
Pham 335145


2
4
5
6
7
11
13
14
1: Baudelaire_56 + 1


1
6
8
12
15
16
2: JangDynasty_82 + 22


1
6
8
12
15
16
3: YoyoKar_80 + 2


1
3
7
9
10
12
15
16
4: Firecracker_86

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 335145 Report

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

Pham number 335145 has 29 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Baudelaire_56, Aegeus_56
• Track 2 : JangDynasty_82, Blessica_83, Idergollasper_82, Alkhayr_83, Winget_83, Vorrps_83, Familton_83, Bora_80, Imara_83, NiebruSaylor_82, MadKillah_84, SchoolBus_82, FoulBall_83, Vagabond_83, Murai_83, Shida_82, Wogge42_82, Schuy_84, Krili_82, Ryadel_86, Catdawg_82, TelAviv_79, Mori_83
• Track 3 : YoyoKar_80, KingPhillip3_82, Zebo_82
• Track 4 : Firecracker_86

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 25 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_83, Blessica_83, Bora_80, Catdawg_82, Familton_83, Firecracker_86, FoulBall_83, Idergollasper_82, Imara_83, JangDynasty_82, KingPhillip3_82, Krili_82, MadKillah_84, Mori_83, Murai_83, NiebruSaylor_82, Ryadel_86, SchoolBus_82, Schuy_84, Shida_82, TelAviv_79, Vagabond_83, Vorrps_83, Winget_83, Wogge42_82, YoyoKar_80, Zebo_82,

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

Genes that do not have the "Most Annotated" start:
• Aegeus_56, Baudelaire_56,

Summary by start number:

Start 1:
• Found in 27 of 29 (93.1%) of genes in pham
• Manual Annotations of this start: 25 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_83 (O), Blessica_83 (O), Bora_80 (O), Catdawg_82 (O), Familton_83 (O), Firecracker_86 (O), FoulBall_83 (O),

Idergollasper_82 (O), Imara_83 (O), JangDynasty_82 (O), KingPhillip3_82 (O), Krili_82 (O), MadKillah_84 (O), Mori_83 (O), Murai_83 (O), NiebruSaylor_82 (O), Ryadel_86 (O), SchoolBus_82 (O), Schuy_84 (O), Shida_82 (O), TelAviv_79 (O), Vagabond_83 (O), Vorrps_83 (O), Winget_83 (O), Wogge42_82 (O), YoyoKar_80 (O), Zebo_82 (O),

Start 2:
• Found in 2 of 29 (6.9%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_56 (L5), Baudelaire_56 (L5),

Summary by clusters:

There are 2 clusters represented in this pham: L5, O,

Info for manual annotations of cluster L5:
•Start number 2 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster O:
•Start number 1 was manually annotated 25 times for cluster O.

Gene Information:

Gene: Aegeus_56 Start: 39821, Stop: 40090, Start Num: 2
Candidate Starts for Aegeus_56:
(Start: 2 @39821 has 2 MA's), (4, 39836), (5, 39848), (6, 39851), (7, 39854), (11, 39878), (13, 39902), (14, 39929),

Gene: Alkhayr_83 Start: 52169, Stop: 51903, Start Num: 1
Candidate Starts for Alkhayr_83:
(Start: 1 @52169 has 25 MA's), (6, 52133), (8, 52127), (12, 52082), (15, 52040), (16, 52037),

Gene: Baudelaire_56 Start: 39821, Stop: 40090, Start Num: 2
Candidate Starts for Baudelaire_56:
(Start: 2 @39821 has 2 MA's), (4, 39836), (5, 39848), (6, 39851), (7, 39854), (11, 39878), (13, 39902), (14, 39929),

Gene: Blessica_83 Start: 52717, Stop: 52451, Start Num: 1
Candidate Starts for Blessica_83:
(Start: 1 @52717 has 25 MA's), (6, 52681), (8, 52675), (12, 52630), (15, 52588), (16, 52585),

Gene: Bora_80 Start: 52098, Stop: 51832, Start Num: 1
Candidate Starts for Bora_80:
(Start: 1 @52098 has 25 MA's), (6, 52062), (8, 52056), (12, 52011), (15, 51969), (16, 51966),

Gene: Catdawg_82 Start: 52453, Stop: 52187, Start Num: 1
Candidate Starts for Catdawg_82:
(Start: 1 @52453 has 25 MA's), (6, 52417), (8, 52411), (12, 52366), (15, 52324), (16, 52321),

Gene: Familton_83 Start: 52410, Stop: 52144, Start Num: 1

Candidate Starts for Familton_83:
(Start: 1 @52410 has 25 MA's), (6, 52374), (8, 52368), (12, 52323), (15, 52281), (16, 52278),

Gene: Firecracker_86 Start: 53800, Stop: 53534, Start Num: 1
Candidate Starts for Firecracker_86:
(Start: 1 @53800 has 25 MA's), (3, 53782), (7, 53761), (9, 53752), (10, 53743), (12, 53713), (15, 53671), (16, 53668),

Gene: FoulBall_83 Start: 52452, Stop: 52186, Start Num: 1
Candidate Starts for FoulBall_83:
(Start: 1 @52452 has 25 MA's), (6, 52416), (8, 52410), (12, 52365), (15, 52323), (16, 52320),

Gene: Idergollasper_82 Start: 52404, Stop: 52138, Start Num: 1
Candidate Starts for Idergollasper_82:
(Start: 1 @52404 has 25 MA's), (6, 52368), (8, 52362), (12, 52317), (15, 52275), (16, 52272),

Gene: Imara_83 Start: 52255, Stop: 51989, Start Num: 1
Candidate Starts for Imara_83:
(Start: 1 @52255 has 25 MA's), (6, 52219), (8, 52213), (12, 52168), (15, 52126), (16, 52123),

Gene: JangDynasty_82 Start: 52471, Stop: 52205, Start Num: 1
Candidate Starts for JangDynasty_82:
(Start: 1 @52471 has 25 MA's), (6, 52435), (8, 52429), (12, 52384), (15, 52342), (16, 52339),

Gene: KingPhillip3_82 Start: 52419, Stop: 52153, Start Num: 1
Candidate Starts for KingPhillip3_82:
(Start: 1 @52419 has 25 MA's), (6, 52383), (8, 52377), (12, 52332), (15, 52290), (16, 52287),

Gene: Krili_82 Start: 51965, Stop: 51699, Start Num: 1
Candidate Starts for Krili_82:
(Start: 1 @51965 has 25 MA's), (6, 51929), (8, 51923), (12, 51878), (15, 51836), (16, 51833),

Gene: MadKillah_84 Start: 52234, Stop: 51968, Start Num: 1
Candidate Starts for MadKillah_84:
(Start: 1 @52234 has 25 MA's), (6, 52198), (8, 52192), (12, 52147), (15, 52105), (16, 52102),

Gene: Mori_83 Start: 52493, Stop: 52227, Start Num: 1
Candidate Starts for Mori_83:
(Start: 1 @52493 has 25 MA's), (6, 52457), (8, 52451), (12, 52406), (15, 52364), (16, 52361),

Gene: Murai_83 Start: 52626, Stop: 52360, Start Num: 1
Candidate Starts for Murai_83:
(Start: 1 @52626 has 25 MA's), (6, 52590), (8, 52584), (12, 52539), (15, 52497), (16, 52494),

Gene: NiebruSaylor_82 Start: 51884, Stop: 51618, Start Num: 1
Candidate Starts for NiebruSaylor_82:
(Start: 1 @51884 has 25 MA's), (6, 51848), (8, 51842), (12, 51797), (15, 51755), (16, 51752),

Gene: Ryadel_86 Start: 53240, Stop: 52974, Start Num: 1
Candidate Starts for Ryadel_86:
(Start: 1 @53240 has 25 MA's), (6, 53204), (8, 53198), (12, 53153), (15, 53111), (16, 53108),

Gene: SchoolBus_82 Start: 52388, Stop: 52122, Start Num: 1

Candidate Starts for SchoolBus_82:
(Start: 1 @52388 has 25 MA's), (6, 52352), (8, 52346), (12, 52301), (15, 52259), (16, 52256),

Gene: Schuy_84 Start: 52237, Stop: 51971, Start Num: 1
Candidate Starts for Schuy_84:
(Start: 1 @52237 has 25 MA's), (6, 52201), (8, 52195), (12, 52150), (15, 52108), (16, 52105),

Gene: Shida_82 Start: 52077, Stop: 51811, Start Num: 1
Candidate Starts for Shida_82:
(Start: 1 @52077 has 25 MA's), (6, 52041), (8, 52035), (12, 51990), (15, 51948), (16, 51945),

Gene: TelAviv_79 Start: 52371, Stop: 52105, Start Num: 1
Candidate Starts for TelAviv_79:
(Start: 1 @52371 has 25 MA's), (6, 52335), (8, 52329), (12, 52284), (15, 52242), (16, 52239),

Gene: Vagabond_83 Start: 52285, Stop: 52019, Start Num: 1
Candidate Starts for Vagabond_83:
(Start: 1 @52285 has 25 MA's), (6, 52249), (8, 52243), (12, 52198), (15, 52156), (16, 52153),

Gene: Vorrps_83 Start: 52494, Stop: 52228, Start Num: 1
Candidate Starts for Vorrps_83:
(Start: 1 @52494 has 25 MA's), (6, 52458), (8, 52452), (12, 52407), (15, 52365), (16, 52362),

Gene: Winget_83 Start: 52664, Stop: 52398, Start Num: 1
Candidate Starts for Winget_83:
(Start: 1 @52664 has 25 MA's), (6, 52628), (8, 52622), (12, 52577), (15, 52535), (16, 52532),

Gene: Wogge42_82 Start: 52156, Stop: 51890, Start Num: 1
Candidate Starts for Wogge42_82:
(Start: 1 @52156 has 25 MA's), (6, 52120), (8, 52114), (12, 52069), (15, 52027), (16, 52024),

Gene: YoyoKar_80 Start: 51950, Stop: 51684, Start Num: 1
Candidate Starts for YoyoKar_80:
(Start: 1 @51950 has 25 MA's), (6, 51914), (8, 51908), (12, 51863), (15, 51821), (16, 51818),

Gene: Zebo_82 Start: 52397, Stop: 52131, Start Num: 1
Candidate Starts for Zebo_82:
(Start: 1 @52397 has 25 MA's), (6, 52361), (8, 52355), (12, 52310), (15, 52268), (16, 52265),