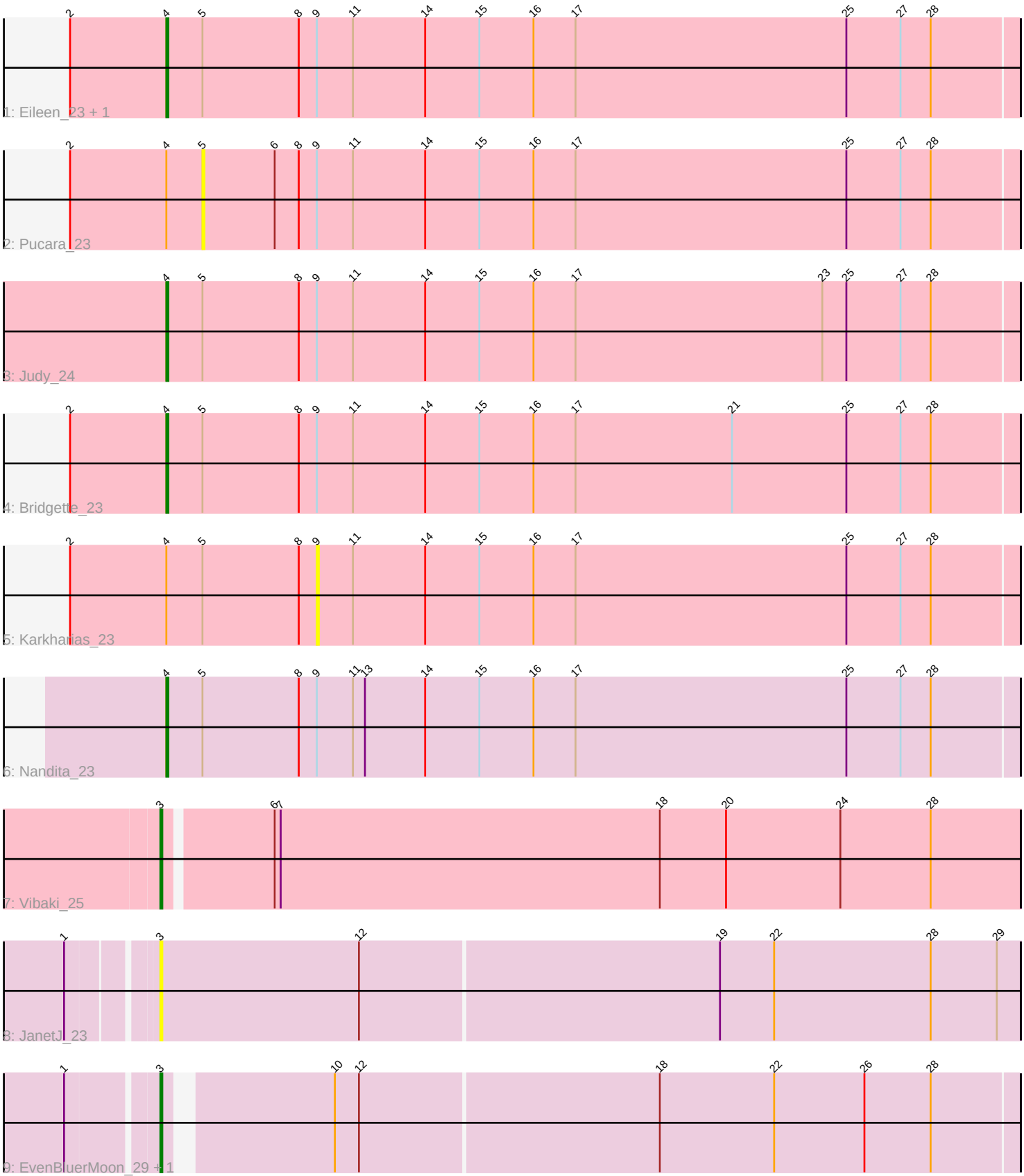
Pham 87914


2 4 5 8 9 11 14 15 16 17 25 27 28
1: Eileen_23 + 1
2 4 5 6 8 9 11 14 15 16 17 25 27 28
2: Pucara_23
4 5 8 9 11 14 15 16 17 23 25 27 28
3: Judy_24
2 4 5 8 9 11 14 15 16 17 21 25 27 28
4: Bridgette_23
2 4 5 8 9 11 14 15 16 17 25 27 28
5: Karkharias_23
4 5 8 9 11 13 14 15 16 17 25 27 28
6: Nandita_23
3 6 7 18 20 24 28
7: Vibaki_25
1 3 12 19 22 28 29
8: JanetJ_23
1 3 10 12 18 22 26 28
9: EvenBluerMoon_29 + 1

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 87914 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87914 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Eileen_23, Peas_23
• Track 2 : Pucara_23
• Track 3 : Judy_24
• Track 4 : Bridgette_23
• Track 5 : Karkharias_23
• Track 6 : Nandita_23
• Track 7 : Vibaki_25
• Track 8 : JanetJ_23
• Track 9 : EvenBluerMoon_29, Aoka_23

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bridgette_23, Eileen_23, Judy_24, Nandita_23, Peas_23,

Genes that have the "Most Annotated" start but do not call it:
• Karkharias_23, Pucara_23,

Genes that do not have the "Most Annotated" start:
• Aoka_23, EvenBluerMoon_29, JanetJ_23, Vibaki_25,

Summary by start number:

Start 3:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aoka_23 (FO), EvenBluerMoon_29 (FO), JanetJ_23 (FO), Vibaki_25 (FL),

Start 4:

• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Bridgette_23 (FA), Eileen_23 (FA), Judy_24 (FA), Nandita_23 (FF), Peas_23 (FA),

Start 5:
• Found in 7 of 11 (63.6%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Pucara_23 (FA),

Start 9:
• Found in 7 of 11 (63.6%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Karkharias_23 (FA),

Summary by clusters:

There are 4 clusters represented in this pham: FA, FL, FF, FO,

Info for manual annotations of cluster FA:
•Start number 4 was manually annotated 4 times for cluster FA.

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

Info for manual annotations of cluster FL:
•Start number 3 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FO:
•Start number 3 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Aoka_23 Start: 21429, Stop: 21839, Start Num: 3
Candidate Starts for Aoka_23:
(1, 21387), (Start: 3 @21429 has 2 MA's), (10, 21504), (12, 21516), (18, 21663), (22, 21720), (26, 21765), (28, 21798),

Gene: Bridgette_23 Start: 18606, Stop: 19028, Start Num: 4
Candidate Starts for Bridgette_23:
(2, 18558), (Start: 4 @18606 has 5 MA's), (5, 18624), (8, 18672), (9, 18681), (11, 18699), (14, 18735), (15, 18762), (16, 18789), (17, 18810), (21, 18888), (25, 18945), (27, 18972), (28, 18987),

Gene: Eileen_23 Start: 18544, Stop: 18966, Start Num: 4
Candidate Starts for Eileen_23:
(2, 18496), (Start: 4 @18544 has 5 MA's), (5, 18562), (8, 18610), (9, 18619), (11, 18637), (14, 18673), (15, 18700), (16, 18727), (17, 18748), (25, 18883), (27, 18910), (28, 18925),

Gene: EvenBluerMoon_29 Start: 21464, Stop: 21874, Start Num: 3
Candidate Starts for EvenBluerMoon_29:
(1, 21422), (Start: 3 @21464 has 2 MA's), (10, 21539), (12, 21551), (18, 21698), (22, 21755), (26, 21800), (28, 21833),

Gene: JanetJ_23 Start: 21553, Stop: 21978, Start Num: 3
Candidate Starts for JanetJ_23:
(1, 21514), (Start: 3 @21553 has 2 MA's), (12, 21652), (19, 21829), (22, 21856), (28, 21934), (29, 21967),

Gene: Judy_24 Start: 18856, Stop: 19278, Start Num: 4
Candidate Starts for Judy_24:
(Start: 4 @18856 has 5 MA's), (5, 18874), (8, 18922), (9, 18931), (11, 18949), (14, 18985), (15, 19012), (16, 19039), (17, 19060), (23, 19183), (25, 19195), (27, 19222), (28, 19237),

Gene: Karkharias_23 Start: 18621, Stop: 18968, Start Num: 9
Candidate Starts for Karkharias_23:
(2, 18498), (Start: 4 @18546 has 5 MA's), (5, 18564), (8, 18612), (9, 18621), (11, 18639), (14, 18675), (15, 18702), (16, 18729), (17, 18750), (25, 18885), (27, 18912), (28, 18927),

Gene: Nandita_23 Start: 17798, Stop: 18220, Start Num: 4
Candidate Starts for Nandita_23:
(Start: 4 @17798 has 5 MA's), (5, 17816), (8, 17864), (9, 17873), (11, 17891), (13, 17897), (14, 17927), (15, 17954), (16, 17981), (17, 18002), (25, 18137), (27, 18164), (28, 18179),

Gene: Peas_23 Start: 18544, Stop: 18966, Start Num: 4
Candidate Starts for Peas_23:
(2, 18496), (Start: 4 @18544 has 5 MA's), (5, 18562), (8, 18610), (9, 18619), (11, 18637), (14, 18673), (15, 18700), (16, 18727), (17, 18748), (25, 18883), (27, 18910), (28, 18925),

Gene: Pucara_23 Start: 18561, Stop: 18965, Start Num: 5
Candidate Starts for Pucara_23:
(2, 18495), (Start: 4 @18543 has 5 MA's), (5, 18561), (6, 18597), (8, 18609), (9, 18618), (11, 18636), (14, 18672), (15, 18699), (16, 18726), (17, 18747), (25, 18882), (27, 18909), (28, 18924),

Gene: Vibaki_25 Start: 24558, Stop: 24980, Start Num: 3
Candidate Starts for Vibaki_25:
(Start: 3 @24558 has 2 MA's), (6, 24609), (7, 24612), (18, 24801), (20, 24834), (24, 24891), (28, 24936),