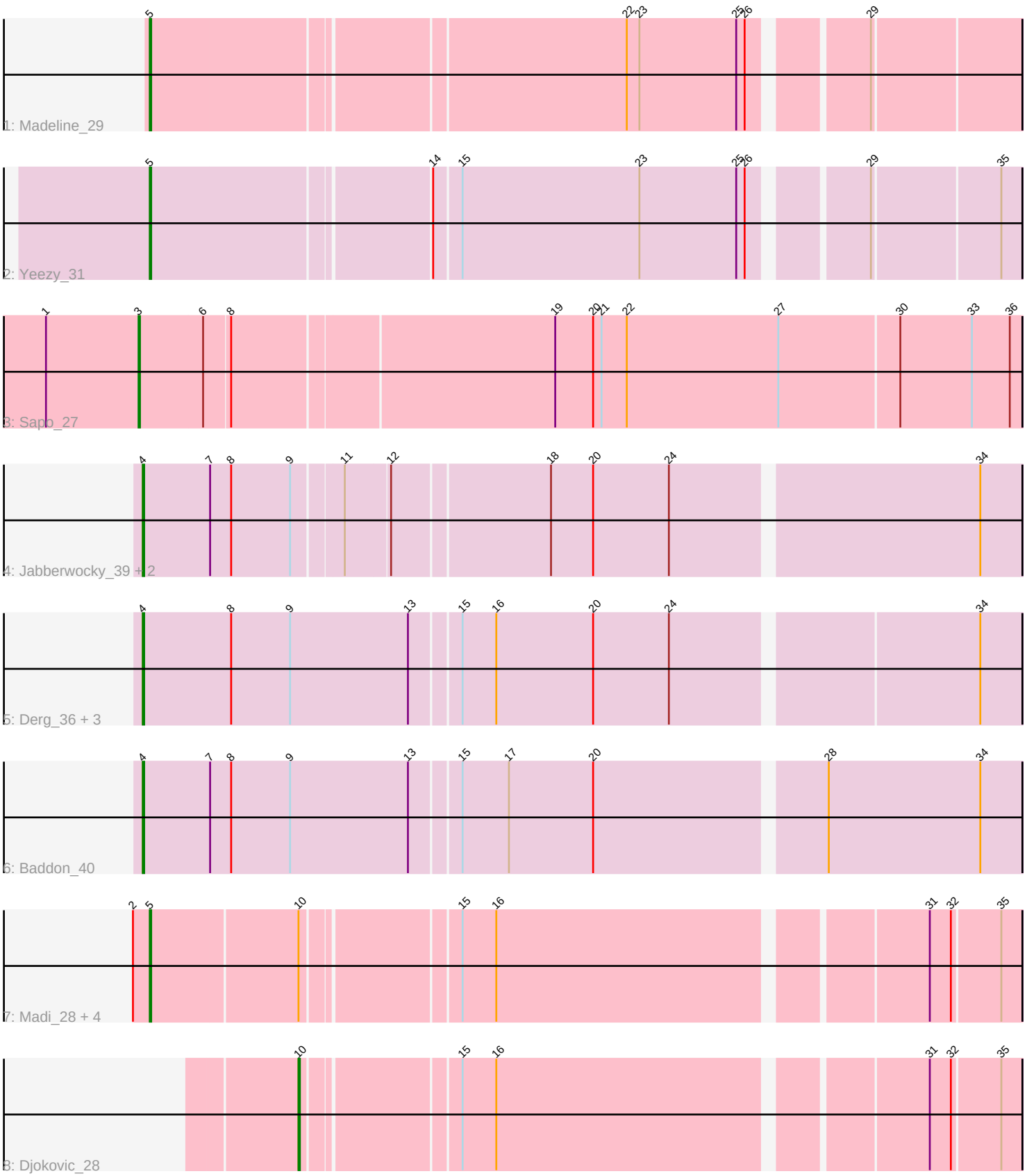
Pham 282528


5
22
23
25
26
29
1: Madeline_29
5
14
15
23
25
26
29
35
2: Yeezy_31
1
3
6
8
19
20
21
22
27
30
33
36
3: Sapo_27
4
7
8
9
11
12
18
20
24
34
4: Jabberwocky_39 + 2
4
8
9
13
15
16
20
24
34
5: Derg_36 + 3
4
7
8
9
13
15
17
20
28
34
6: Baddon_40
2
5
10
15
16
31
32
35
7: Madi_28 + 4
10
15
16
31
32
35
8: Djokovic_28

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 282528 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282528 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Madeline_29
• Track 2 : Yeezy_31
• Track 3 : Sapo_27
• Track 4 : Jabberwocky_39, Sanjuju_39, Fitzgerald_39
• Track 5 : Derg_36, Tangerine_40, Kroos_41, Flatwoods_41
• Track 6 : Baddon_40
• Track 7 : Madi_28, Terapin_29, BiteSize_28, Beyoncage_28, Sienna_28
• Track 8 : Djokovic_28

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 8 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baddon_40, Derg_36, Fitzgerald_39, Flatwoods_41, Jabberwocky_39, Kroos_41, Sanjuju_39, Tangerine_40,

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

Genes that do not have the "Most Annotated" start:
• Beyoncage_28, BiteSize_28, Djokovic_28, Madeline_29, Madi_28, Sapo_27, Sienna_28, Terapin_29, Yeezy_31,

Summary by start number:

Start 3:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sapo_27 (DA),

Start 4:

• Found in 8 of 17 (47.1%) of genes in pham
• Manual Annotations of this start: 8 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baddon_40 (DE1), Derg_36 (DE1), Fitzgerald_39 (DE1), Flatwoods_41 (DE1), Jabberwocky_39 (DE1), Kroos_41 (DE1), Sanjuju_39 (DE1), Tangerine_40 (DE1),

Start 5:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 7 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_28 (DG1), BiteSize_28 (DG1), Madeline_29 (CZ1), Madi_28 (DG1), Sienna_28 (DG1), Terapin_29 (DG1), Yeezy_31 (CZ3),

Start 10:
• Found in 6 of 17 (35.3%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Djokovic_28 (DG1),

Summary by clusters:

There are 5 clusters represented in this pham: CZ3, DE1, DG1, CZ1, DA,

Info for manual annotations of cluster CZ1:
•Start number 5 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ3:
•Start number 5 was manually annotated 1 time for cluster CZ3.

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

Info for manual annotations of cluster DE1:
•Start number 4 was manually annotated 8 times for cluster DE1.

Info for manual annotations of cluster DG1:
•Start number 5 was manually annotated 5 times for cluster DG1.
•Start number 10 was manually annotated 1 time for cluster DG1.

Gene Information:

Gene: Baddon_40 Start: 36537, Stop: 37145, Start Num: 4
Candidate Starts for Baddon_40:
(Start: 4 @36537 has 8 MA's), (7, 36585), (8, 36600), (9, 36642), (13, 36726), (15, 36759), (17, 36792), (20, 36852), (28, 37008), (34, 37116),

Gene: Beyoncage_28 Start: 25375, Stop: 25953, Start Num: 5
Candidate Starts for Beyoncage_28:

(2, 25363), (Start: 5 @25375 has 7 MA's), (Start: 10 @25477 has 1 MA's), (15, 25579), (16, 25603), (31, 25891), (32, 25906), (35, 25939),

Gene: BiteSize_28 Start: 25375, Stop: 25953, Start Num: 5
Candidate Starts for BiteSize_28:
(2, 25363), (Start: 5 @25375 has 7 MA's), (Start: 10 @25477 has 1 MA's), (15, 25579), (16, 25603), (31, 25891), (32, 25906), (35, 25939),

Gene: Derg_36 Start: 35289, Stop: 35894, Start Num: 4
Candidate Starts for Derg_36:
(Start: 4 @35289 has 8 MA's), (8, 35352), (9, 35394), (13, 35478), (15, 35511), (16, 35535), (20, 35604), (24, 35658), (34, 35865),

Gene: Djokovic_28 Start: 25476, Stop: 25952, Start Num: 10
Candidate Starts for Djokovic_28:
(Start: 10 @25476 has 1 MA's), (15, 25578), (16, 25602), (31, 25890), (32, 25905), (35, 25938),

Gene: Fitzgerald_39 Start: 36588, Stop: 37187, Start Num: 4
Candidate Starts for Fitzgerald_39:
(Start: 4 @36588 has 8 MA's), (7, 36636), (8, 36651), (9, 36693), (11, 36726), (12, 36756), (18, 36864), (20, 36894), (24, 36948), (34, 37158),

Gene: Flatwoods_41 Start: 35641, Stop: 36246, Start Num: 4
Candidate Starts for Flatwoods_41:
(Start: 4 @35641 has 8 MA's), (8, 35704), (9, 35746), (13, 35830), (15, 35863), (16, 35887), (20, 35956), (24, 36010), (34, 36217),

Gene: Jabberwocky_39 Start: 36992, Stop: 37591, Start Num: 4
Candidate Starts for Jabberwocky_39:
(Start: 4 @36992 has 8 MA's), (7, 37040), (8, 37055), (9, 37097), (11, 37130), (12, 37160), (18, 37268), (20, 37298), (24, 37352), (34, 37562),

Gene: Kroos_41 Start: 36197, Stop: 36802, Start Num: 4
Candidate Starts for Kroos_41:
(Start: 4 @36197 has 8 MA's), (8, 36260), (9, 36302), (13, 36386), (15, 36419), (16, 36443), (20, 36512), (24, 36566), (34, 36773),

Gene: Madeline_29 Start: 27349, Stop: 27930, Start Num: 5
Candidate Starts for Madeline_29:
(Start: 5 @27349 has 7 MA's), (22, 27673), (23, 27682), (25, 27751), (26, 27757), (29, 27829),

Gene: Madi_28 Start: 25375, Stop: 25953, Start Num: 5
Candidate Starts for Madi_28:
(2, 25363), (Start: 5 @25375 has 7 MA's), (Start: 10 @25477 has 1 MA's), (15, 25579), (16, 25603), (31, 25891), (32, 25906), (35, 25939),

Gene: Sanjuju_39 Start: 36721, Stop: 37320, Start Num: 4
Candidate Starts for Sanjuju_39:
(Start: 4 @36721 has 8 MA's), (7, 36769), (8, 36784), (9, 36826), (11, 36859), (12, 36889), (18, 36997), (20, 37027), (24, 37081), (34, 37291),

Gene: Sapo_27 Start: 24286, Stop: 24900, Start Num: 3
Candidate Starts for Sapo_27:

(1, 24220), (Start: 3 @24286 has 1 MA's), (6, 24331), (8, 24349), (19, 24571), (20, 24598), (21, 24604), (22, 24622), (27, 24730), (30, 24814), (33, 24865), (36, 24892),

Gene: Sienna_28 Start: 25375, Stop: 25953, Start Num: 5
Candidate Starts for Sienna_28:
(2, 25363), (Start: 5 @25375 has 7 MA's), (Start: 10 @25477 has 1 MA's), (15, 25579), (16, 25603), (31, 25891), (32, 25906), (35, 25939),

Gene: Tangerine_40 Start: 35329, Stop: 35934, Start Num: 4
Candidate Starts for Tangerine_40:
(Start: 4 @35329 has 8 MA's), (8, 35392), (9, 35434), (13, 35518), (15, 35551), (16, 35575), (20, 35644), (24, 35698), (34, 35905),

Gene: Terapin_29 Start: 25376, Stop: 25954, Start Num: 5
Candidate Starts for Terapin_29:
(2, 25364), (Start: 5 @25376 has 7 MA's), (Start: 10 @25478 has 1 MA's), (15, 25580), (16, 25604), (31, 25892), (32, 25907), (35, 25940),

Gene: Yeezy_31 Start: 26274, Stop: 26855, Start Num: 5
Candidate Starts for Yeezy_31:
(Start: 5 @26274 has 7 MA's), (14, 26463), (15, 26481), (23, 26607), (25, 26676), (26, 26682), (29, 26754), (35, 26841),