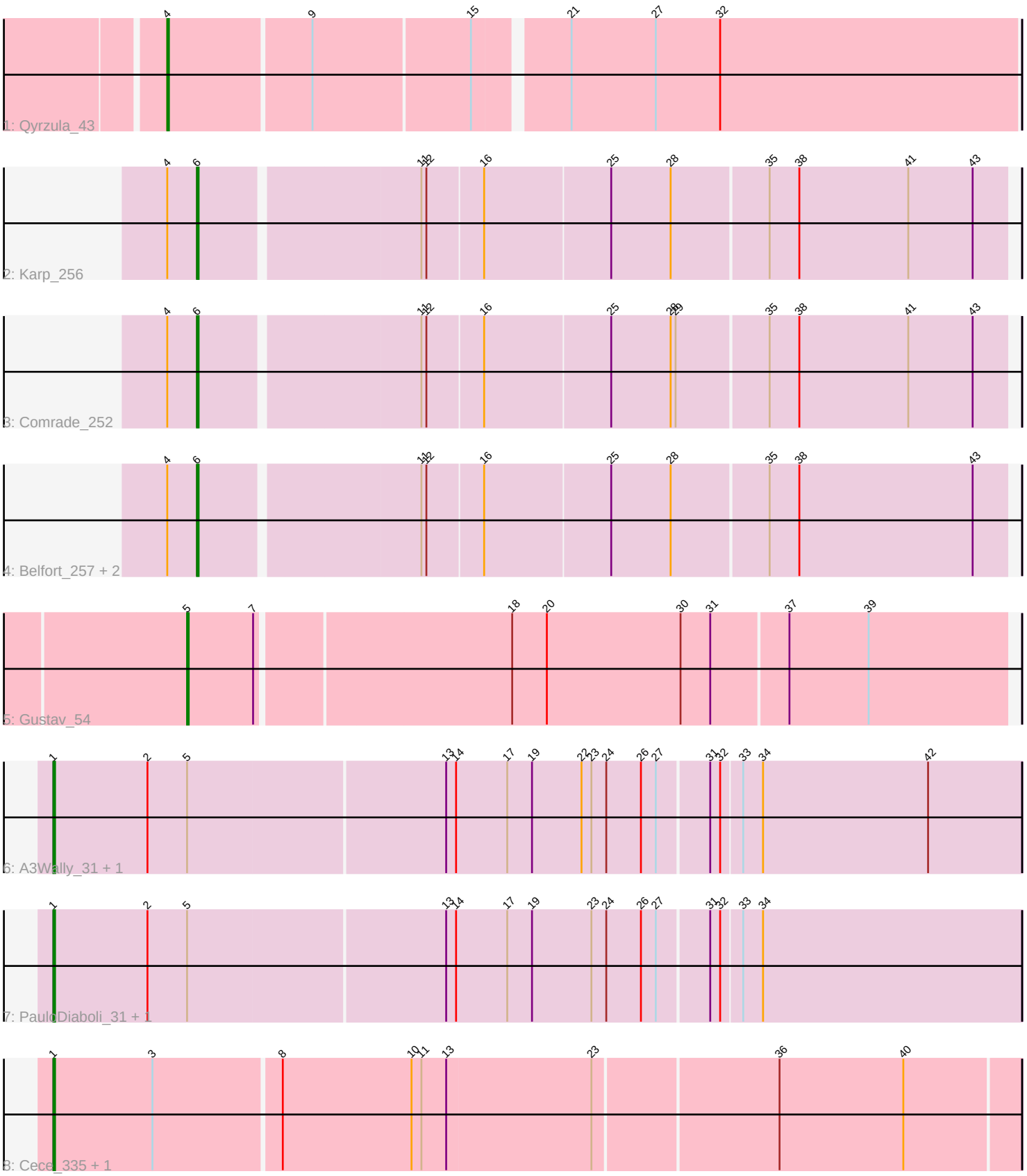
Pham 171887


4
9
15
21
27
32
1: Qyrzula_43
4
6
12
12
16
25
28
35
38
41
43
2: Karp_256
4
6
12
12
16
25
28
28
35
38
41
43
3: Comrade_252
4
6
12
12
16
25
28
35
38
43
4: Belfort_257 + 2
5
7
18
20
30
31
37
39
5: Gustav_54
1
2
5
13
14
17
19
22
23
24
26
27
31
32
33
34
42
6: A3Wally_31 + 1
1
2
5
13
14
17
19
23
24
26
27
31
32
33
34
7: PauloDiaboli_31 + 1
1
3
8
10
11
13
23
36
40
8: Cece_335 + 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 171887 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171887 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Qyrzula_43
• Track 2 : Karp_256
• Track 3 : Comrade_252
• Track 4 : Belfort_257, SparkleGoddess_256, Stigma_254
• Track 5 : Gustav_54
• Track 6 : A3Wally_31, A3Wally_384
• Track 7 : PauloDiaboli_31, PauloDiaboli_386
• Track 8 : Cece_335, Cece_33

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 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_31, A3Wally_384, Cece_33, Cece_335, PauloDiaboli_31, PauloDiaboli_386,

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

Genes that do not have the "Most Annotated" start:
• Belfort_257, Comrade_252, Gustav_54, Karp_256, Qyrzula_43, SparkleGoddess_256, Stigma_254,

Summary by start number:

Start 1:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 6 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_31 (GD1), A3Wally_384 (GD1), Cece_33 (GD3), Cece_335 (GD3), PauloDiaboli_31 (GD1), PauloDiaboli_386 (GD1),

Start 4:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Qyrzula_43 (B2),

Start 5:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Gustav_54 (CD),

Start 6:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_257 (BK1), Comrade_252 (BK1), Karp_256 (BK1), SparkleGoddess_256 (BK1), Stigma_254 (BK1),

Summary by clusters:

There are 5 clusters represented in this pham: GD1, GD3, BK1, B2, CD,

Info for manual annotations of cluster B2:
•Start number 4 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster BK1:
•Start number 6 was manually annotated 5 times for cluster BK1.

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

Info for manual annotations of cluster GD1:
•Start number 1 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD3:
•Start number 1 was manually annotated 2 times for cluster GD3.

Gene Information:

Gene: A3Wally_31 Start: 10518, Stop: 11093, Start Num: 1
Candidate Starts for A3Wally_31:
(Start: 1 @10518 has 6 MA's), (2, 10575), (Start: 5 @10599 has 1 MA's), (13, 10752), (14, 10758), (17, 10788), (19, 10803), (22, 10833), (23, 10839), (24, 10848), (26, 10869), (27, 10878), (31, 10908), (32, 10914), (33, 10926), (34, 10938), (42, 11037),

Gene: A3Wally_384 Start: 189739, Stop: 190314, Start Num: 1
Candidate Starts for A3Wally_384:
(Start: 1 @189739 has 6 MA's), (2, 189796), (Start: 5 @189820 has 1 MA's), (13, 189973), (14, 189979), (17, 190009), (19, 190024), (22, 190054), (23, 190060), (24, 190069), (26, 190090), (27,

190099), (31, 190129), (32, 190135), (33, 190147), (34, 190159), (42, 190258),

Gene: Belfort_257 Start: 123112, Stop: 123585, Start Num: 6
Candidate Starts for Belfort_257:
(Start: 4 @123094 has 1 MA's), (Start: 6 @123112 has 5 MA's), (11, 123238), (12, 123241), (16, 123274), (25, 123349), (28, 123385), (35, 123442), (38, 123460), (43, 123565),

Gene: Cece_335 Start: 181006, Stop: 181578, Start Num: 1
Candidate Starts for Cece_335:
(Start: 1 @181006 has 6 MA's), (3, 181066), (8, 181141), (10, 181219), (11, 181225), (13, 181240), (23, 181327), (36, 181435), (40, 181510),

Gene: Cece_33 Start: 12572, Stop: 13144, Start Num: 1
Candidate Starts for Cece_33:
(Start: 1 @12572 has 6 MA's), (3, 12632), (8, 12707), (10, 12785), (11, 12791), (13, 12806), (23, 12893), (36, 13001), (40, 13076),

Gene: Comrade_252 Start: 123254, Stop: 123727, Start Num: 6
Candidate Starts for Comrade_252:
(Start: 4 @123236 has 1 MA's), (Start: 6 @123254 has 5 MA's), (11, 123380), (12, 123383), (16, 123416), (25, 123491), (28, 123527), (29, 123530), (35, 123584), (38, 123602), (41, 123668), (43, 123707),

Gene: Gustav_54 Start: 38579, Stop: 38097, Start Num: 5
Candidate Starts for Gustav_54:
(Start: 5 @38579 has 1 MA's), (7, 38540), (18, 38393), (20, 38372), (30, 38291), (31, 38273), (37, 38228), (39, 38180),

Gene: Karp_256 Start: 124709, Stop: 125182, Start Num: 6
Candidate Starts for Karp_256:
(Start: 4 @124691 has 1 MA's), (Start: 6 @124709 has 5 MA's), (11, 124835), (12, 124838), (16, 124871), (25, 124946), (28, 124982), (35, 125039), (38, 125057), (41, 125123), (43, 125162),

Gene: PauloDiaboli_31 Start: 10358, Stop: 10933, Start Num: 1
Candidate Starts for PauloDiaboli_31:
(Start: 1 @10358 has 6 MA's), (2, 10415), (Start: 5 @10439 has 1 MA's), (13, 10592), (14, 10598), (17, 10628), (19, 10643), (23, 10679), (24, 10688), (26, 10709), (27, 10718), (31, 10748), (32, 10754), (33, 10766), (34, 10778),

Gene: PauloDiaboli_386 Start: 186987, Stop: 187562, Start Num: 1
Candidate Starts for PauloDiaboli_386:
(Start: 1 @186987 has 6 MA's), (2, 187044), (Start: 5 @187068 has 1 MA's), (13, 187221), (14, 187227), (17, 187257), (19, 187272), (23, 187308), (24, 187317), (26, 187338), (27, 187347), (31, 187377), (32, 187383), (33, 187395), (34, 187407),

Gene: Qyrzula_43 Start: 40579, Stop: 40082, Start Num: 4
Candidate Starts for Qyrzula_43:
(Start: 4 @40579 has 1 MA's), (9, 40495), (15, 40402), (21, 40351), (27, 40300), (32, 40261),

Gene: SparkleGoddess_256 Start: 123985, Stop: 124458, Start Num: 6
Candidate Starts for SparkleGoddess_256:
(Start: 4 @123967 has 1 MA's), (Start: 6 @123985 has 5 MA's), (11, 124111), (12, 124114), (16, 124147), (25, 124222), (28, 124258), (35, 124315), (38, 124333), (43, 124438),

Gene: Stigma_254 Start: 123698, Stop: 124171, Start Num: 6
Candidate Starts for Stigma_254:
(Start: 4 @123680 has 1 MA's), (Start: 6 @123698 has 5 MA's), (11, 123824), (12, 123827), (16, 123860), (25, 123935), (28, 123971), (35, 124028), (38, 124046), (43, 124151),