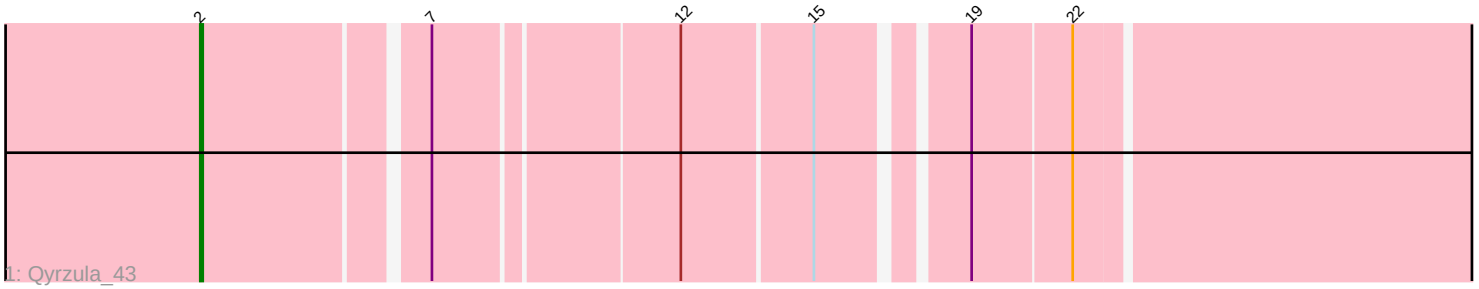
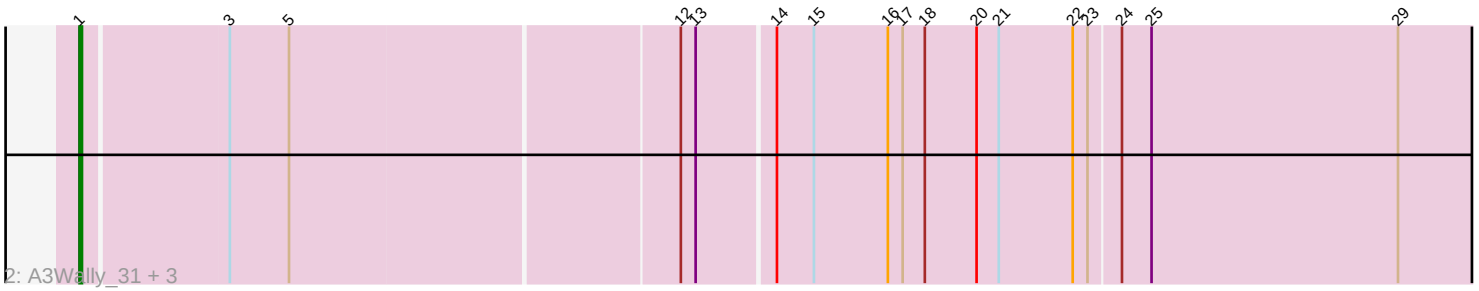
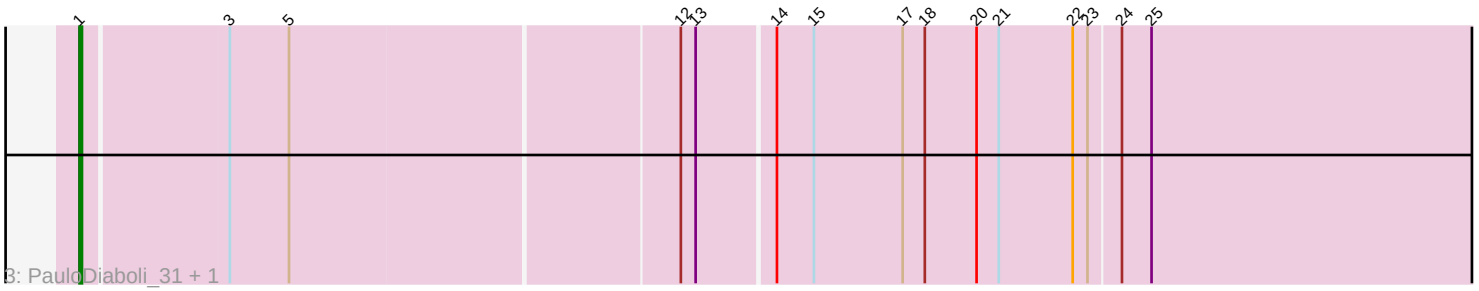
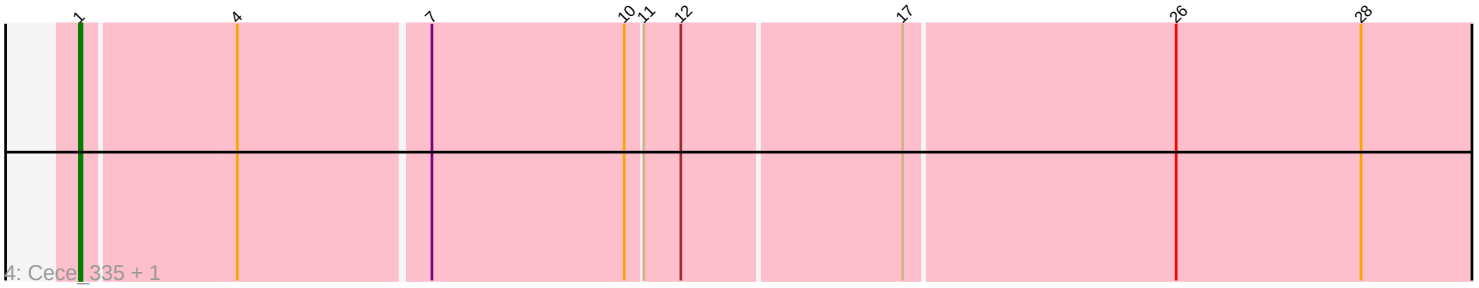
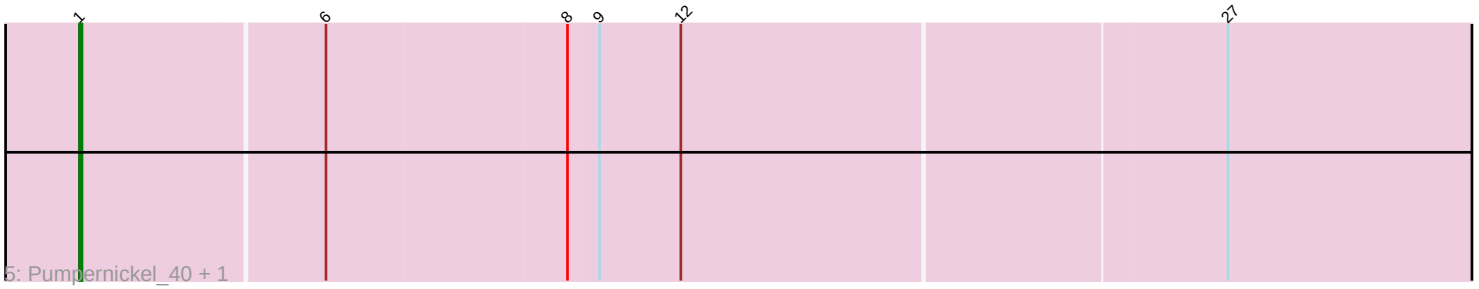
Pham 348226


2
7
12
15
19
22
1: Qyrzula_43


1
3
5
12
13
14
15
16
17
18
20
21
22
23
24
25
29
2: A3Wally_31 + 3


1
3
5
12
13
14
15
17
18
20
21
22
23
24
25
3: PauloDiaboli_31 + 1


1
4
7
10
11
12
17
26
28
4: Cece_335 + 1


1
6
8
9
12
27
5: Pumpernickel_40 + 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 348226 Report

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

Pham number 348226 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Qyrzula_43
• Track 2 : A3Wally_31, Dodo_32, A3Wally_384, Dodo_378
• Track 3 : PauloDiaboli_31, PauloDiaboli_386
• Track 4 : Cece_335, Cece_33
• Track 5 : Pumpernickel_40, Pumpernickel_341

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_31, A3Wally_384, Cece_33, Cece_335, Dodo_32, Dodo_378, PauloDiaboli_31, PauloDiaboli_386, Pumpernickel_341, Pumpernickel_40,

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

Genes that do not have the "Most Annotated" start:
• Qyrzula_43,

Summary by start number:

Start 1:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 10 of 11
• 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), Dodo_32 (GD1), Dodo_378 (GD1), PauloDiaboli_31 (GD1), PauloDiaboli_386 (GD1), Pumpernickel_341 (GD4), Pumpernickel_40 (GD4),

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham

• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Qyrzula_43 (B2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD3, GD4, B2,

Info for manual annotations of cluster B2:
•Start number 2 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster GD1:
•Start number 1 was manually annotated 6 times for cluster GD1.

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

Info for manual annotations of cluster GD4:
•Start number 1 was manually annotated 2 times for cluster GD4.

Gene Information:

Gene: A3Wally_31 Start: 10518, Stop: 11093, Start Num: 1
Candidate Starts for A3Wally_31:
(Start: 1 @10518 has 10 MA's), (3, 10575), (5, 10599), (12, 10752), (13, 10758), (14, 10788), (15, 10803), (16, 10833), (17, 10839), (18, 10848), (20, 10869), (21, 10878), (22, 10908), (23, 10914), (24, 10926), (25, 10938), (29, 11037),

Gene: A3Wally_384 Start: 189739, Stop: 190314, Start Num: 1
Candidate Starts for A3Wally_384:
(Start: 1 @189739 has 10 MA's), (3, 189796), (5, 189820), (12, 189973), (13, 189979), (14, 190009), (15, 190024), (16, 190054), (17, 190060), (18, 190069), (20, 190090), (21, 190099), (22, 190129), (23, 190135), (24, 190147), (25, 190159), (29, 190258),

Gene: Cece_335 Start: 181006, Stop: 181578, Start Num: 1
Candidate Starts for Cece_335:
(Start: 1 @181006 has 10 MA's), (4, 181066), (7, 181141), (10, 181219), (11, 181225), (12, 181240), (17, 181327), (26, 181435), (28, 181510),

Gene: Cece_33 Start: 12572, Stop: 13144, Start Num: 1
Candidate Starts for Cece_33:
(Start: 1 @12572 has 10 MA's), (4, 12632), (7, 12707), (10, 12785), (11, 12791), (12, 12806), (17, 12893), (26, 13001), (28, 13076),

Gene: Dodo_32 Start: 10365, Stop: 10940, Start Num: 1
Candidate Starts for Dodo_32:
(Start: 1 @10365 has 10 MA's), (3, 10422), (5, 10446), (12, 10599), (13, 10605), (14, 10635), (15, 10650), (16, 10680), (17, 10686), (18, 10695), (20, 10716), (21, 10725), (22, 10755), (23, 10761), (24, 10773), (25, 10785), (29, 10884),

Gene: Dodo_378 Start: 188565, Stop: 189140, Start Num: 1

Candidate Starts for Dodo_378:
(Start: 1 @188565 has 10 MA's), (3, 188622), (5, 188646), (12, 188799), (13, 188805), (14, 188835), (15, 188850), (16, 188880), (17, 188886), (18, 188895), (20, 188916), (21, 188925), (22, 188955), (23, 188961), (24, 188973), (25, 188985), (29, 189084),

Gene: PauloDiaboli_31 Start: 10358, Stop: 10933, Start Num: 1
Candidate Starts for PauloDiaboli_31:
(Start: 1 @10358 has 10 MA's), (3, 10415), (5, 10439), (12, 10592), (13, 10598), (14, 10628), (15, 10643), (17, 10679), (18, 10688), (20, 10709), (21, 10718), (22, 10748), (23, 10754), (24, 10766), (25, 10778),

Gene: PauloDiaboli_386 Start: 186987, Stop: 187562, Start Num: 1
Candidate Starts for PauloDiaboli_386:
(Start: 1 @186987 has 10 MA's), (3, 187044), (5, 187068), (12, 187221), (13, 187227), (14, 187257), (15, 187272), (17, 187308), (18, 187317), (20, 187338), (21, 187347), (22, 187377), (23, 187383), (24, 187395), (25, 187407),

Gene: Pumpernickel_40 Start: 14858, Stop: 15436, Start Num: 1
Candidate Starts for Pumpernickel_40:
(Start: 1 @14858 has 10 MA's), (6, 14954), (8, 15050), (9, 15062), (12, 15095), (27, 15311),

Gene: Pumpernickel_341 Start: 180990, Stop: 181568, Start Num: 1
Candidate Starts for Pumpernickel_341:
(Start: 1 @180990 has 10 MA's), (6, 181086), (8, 181182), (9, 181194), (12, 181227), (27, 181443),

Gene: Qyrzula_43 Start: 40579, Stop: 40082, Start Num: 2
Candidate Starts for Qyrzula_43:
(Start: 2 @40579 has 1 MA's), (7, 40495), (12, 40402), (15, 40351), (19, 40300), (22, 40261),