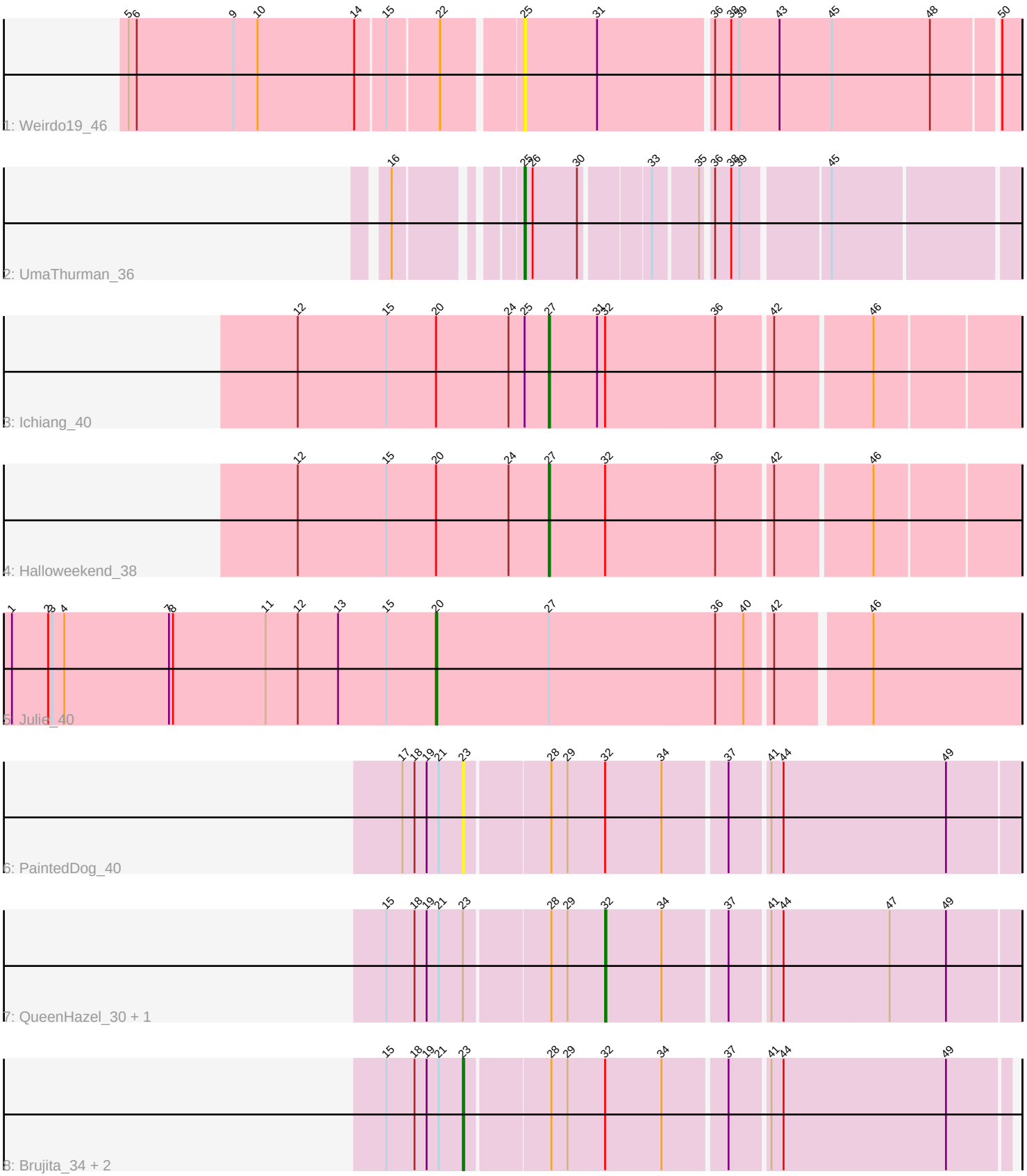
Pham 291730


1: Weirdo19_46
2: UmaThurman_36
3: Ichiang_40
4: Halloweekend_38
5: Julie_40
6: PaintedDog_40
7: QueenHazel_30 + 1
8: Brujita_34 + 2

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 291730 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291730 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_46
• Track 2 : UmaThurman_36
• Track 3 : Ichiang_40
• Track 4 : Halloweekend_38
• Track 5 : Julie_40
• Track 6 : PaintedDog_40
• Track 7 : QueenHazel_30, Xula_29
• Track 8 : Brujita_34, Island3_34, Babsiella_34

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

The start number called the most often in the published annotations is 23, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Babsiella_34, Brujita_34, Island3_34, PaintedDog_40,

Genes that have the "Most Annotated" start but do not call it:
• QueenHazel_30, Xula_29,

Genes that do not have the "Most Annotated" start:
• Halloweekend_38, Ichiang_40, Julie_40, UmaThurman_36, Weirdo19_46,

Summary by start number:

Start 20:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Julie_40 (FF),

Start 23:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 3 of 9

• Called 66.7% of time when present
• Phage (with cluster) where this start called: Babsiella_34 (I1), Brujita_34 (I1), Island3_34 (I1), PaintedDog_40 (I1),

Start 25:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 66.7% of time when present
• Phage (with cluster) where this start called: UmaThurman_36 (CV), Weirdo19_46 (AH),

Start 27:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Halloweekend_38 (FF), Ichiang_40 (FF),

Start 32:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: QueenHazel_30 (I1), Xula_29 (I1),

Summary by clusters:

There are 4 clusters represented in this pham: I1, AH, CV, FF,

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

Info for manual annotations of cluster FF:
•Start number 20 was manually annotated 1 time for cluster FF.
•Start number 27 was manually annotated 2 times for cluster FF.

Info for manual annotations of cluster I1:
•Start number 23 was manually annotated 3 times for cluster I1.
•Start number 32 was manually annotated 2 times for cluster I1.

Gene Information:

Gene: Babsiella_34 Start: 28570, Stop: 28175, Start Num: 23
Candidate Starts for Babsiella_34:
(15, 28627), (18, 28606), (19, 28597), (21, 28588), (Start: 23 @28570 has 3 MA's), (28, 28510), (29, 28498), (Start: 32 @28471 has 2 MA's), (34, 28429), (37, 28384), (41, 28357), (44, 28348), (49, 28228),

Gene: Brujita_34 Start: 29468, Stop: 29082, Start Num: 23
Candidate Starts for Brujita_34:
(15, 29525), (18, 29504), (19, 29495), (21, 29486), (Start: 23 @29468 has 3 MA's), (28, 29408), (29, 29396), (Start: 32 @29369 has 2 MA's), (34, 29327), (37, 29282), (41, 29255), (44, 29246), (49,

29126),

Gene: Halloweekend_38 Start: 29380, Stop: 29045, Start Num: 27
Candidate Starts for Halloweekend_38:
(12, 29566), (15, 29500), (Start: 20 @29464 has 1 MA's), (24, 29410), (Start: 27 @29380 has 2 MA's), (Start: 32 @29338 has 2 MA's), (36, 29257), (42, 29218), (46, 29149),

Gene: Ichiang_40 Start: 29399, Stop: 29064, Start Num: 27
Candidate Starts for Ichiang_40:
(12, 29585), (15, 29519), (Start: 20 @29483 has 1 MA's), (24, 29429), (Start: 25 @29417 has 1 MA's), (Start: 27 @29399 has 2 MA's), (31, 29363), (Start: 32 @29357 has 2 MA's), (36, 29276), (42, 29237), (46, 29168),

Gene: Island3_34 Start: 29468, Stop: 29082, Start Num: 23
Candidate Starts for Island3_34:
(15, 29525), (18, 29504), (19, 29495), (21, 29486), (Start: 23 @29468 has 3 MA's), (28, 29408), (29, 29396), (Start: 32 @29369 has 2 MA's), (34, 29327), (37, 29282), (41, 29255), (44, 29246), (49, 29126),

Gene: Julie_40 Start: 30481, Stop: 30059, Start Num: 20
Candidate Starts for Julie_40:
(1, 30796), (2, 30769), (3, 30766), (4, 30757), (7, 30679), (8, 30676), (11, 30607), (12, 30583), (13, 30553), (15, 30517), (Start: 20 @30481 has 1 MA's), (Start: 27 @30397 has 2 MA's), (36, 30274), (40, 30253), (42, 30235), (46, 30169),

Gene: PaintedDog_40 Start: 31112, Stop: 30717, Start Num: 23
Candidate Starts for PaintedDog_40:
(17, 31157), (18, 31148), (19, 31139), (21, 31130), (Start: 23 @31112 has 3 MA's), (28, 31052), (29, 31040), (Start: 32 @31013 has 2 MA's), (34, 30971), (37, 30926), (41, 30899), (44, 30890), (49, 30770),

Gene: QueenHazel_30 Start: 27405, Stop: 27109, Start Num: 32
Candidate Starts for QueenHazel_30:
(15, 27561), (18, 27540), (19, 27531), (21, 27522), (Start: 23 @27504 has 3 MA's), (28, 27444), (29, 27432), (Start: 32 @27405 has 2 MA's), (34, 27363), (37, 27318), (41, 27291), (44, 27282), (47, 27204), (49, 27162),

Gene: UmaThurman_36 Start: 31566, Stop: 31237, Start Num: 25
Candidate Starts for UmaThurman_36:
(16, 31641), (Start: 25 @31566 has 1 MA's), (26, 31560), (30, 31527), (33, 31482), (35, 31452), (36, 31446), (38, 31434), (39, 31428), (45, 31368),

Gene: Weirdo19_46 Start: 34933, Stop: 34580, Start Num: 25
Candidate Starts for Weirdo19_46:
(5, 35212), (6, 35206), (9, 35134), (10, 35116), (14, 35044), (15, 35023), (22, 34987), (Start: 25 @34933 has 1 MA's), (31, 34879), (36, 34798), (38, 34786), (39, 34780), (43, 34750), (45, 34711), (48, 34639), (50, 34594),

Gene: Xula_29 Start: 26929, Stop: 26633, Start Num: 32
Candidate Starts for Xula_29:
(15, 27085), (18, 27064), (19, 27055), (21, 27046), (Start: 23 @27028 has 3 MA's), (28, 26968), (29, 26956), (Start: 32 @26929 has 2 MA's), (34, 26887), (37, 26842), (41, 26815), (44, 26806), (47, 26728), (49, 26686),