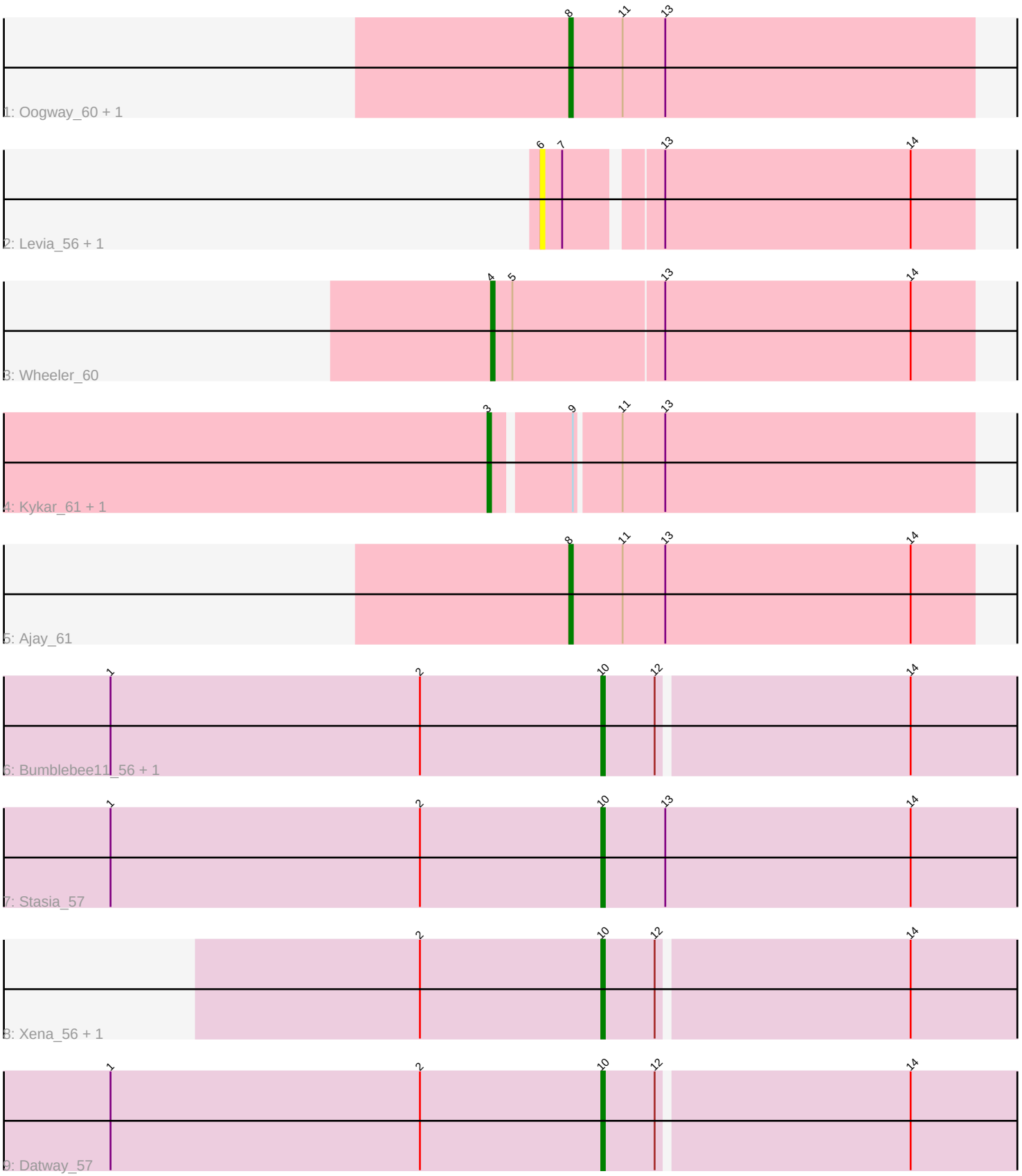
Pham 216695


8
11
13
1: Oogway_60 + 1
6
7
13
14
2: Levia_56 + 1
4
5
13
14
3: Wheeler_60
3
9
11
13
4: Kykar_61 + 1
8
11
13
14
5: Ajay_61
1
2
10
12
14
6: Bumblebee11_56 + 1
1
2
10
13
14
7: Stasia_57
2
10
12
14
8: Xena_56 + 1
1
2
10
12
14
9: Datway_57

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 216695 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216695 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Oogway_60, Adahisdi_61
• Track 2 : Levia_56, PhineBark_60
• Track 3 : Wheeler_60
• Track 4 : Kykar_61, Lamina13_64
• Track 5 : Ajay_61
• Track 6 : Bumblebee11_56, Backyardigan_55
• Track 7 : Stasia_57
• Track 8 : Xena_56, Noelle_58
• Track 9 : Datway_57

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Backyardigan_55, Bumblebee11_56, Datway_57, Noelle_58, Stasia_57, Xena_56,

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

Genes that do not have the "Most Annotated" start:
• Adahisdi_61, Ajay_61, Kykar_61, Lamina13_64, Levia_56, Oogway_60, PhineBark_60, Wheeler_60,

Summary by start number:

Start 3:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kykar_61 (A1), Lamina13_64 (A1),

Start 4:

• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wheeler_60 (A1),

Start 6:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Levia_56 (A1), PhineBark_60 (A1),

Start 8:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adahisdi_61 (A1), Ajay_61 (A1), Oogway_60 (A1),

Start 10:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Backyardigan_55 (A4), Bumblebee11_56 (A4), Datway_57 (A4), Noelle_58 (A4), Stasia_57 (A4), Xena_56 (A4),

Summary by clusters:

There are 2 clusters represented in this pham: A1, A4,

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 2 times for cluster A1.
•Start number 4 was manually annotated 1 time for cluster A1.
•Start number 8 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A4:
•Start number 10 was manually annotated 6 times for cluster A4.

Gene Information:

Gene: Adahisdi_61 Start: 42073, Stop: 41960, Start Num: 8
Candidate Starts for Adahisdi_61:
(Start: 8 @42073 has 3 MA's), (11, 42058), (13, 42046),

Gene: Ajay_61 Start: 41049, Stop: 40936, Start Num: 8
Candidate Starts for Ajay_61:
(Start: 8 @41049 has 3 MA's), (11, 41034), (13, 41022), (14, 40953),

Gene: Backyardigan_55 Start: 38930, Stop: 38814, Start Num: 10
Candidate Starts for Backyardigan_55:
(1, 39068), (2, 38981), (Start: 10 @38930 has 6 MA's), (12, 38915), (14, 38846),

Gene: Bumblebee11_56 Start: 38900, Stop: 38784, Start Num: 10
Candidate Starts for Bumblebee11_56:
(1, 39038), (2, 38951), (Start: 10 @38900 has 6 MA's), (12, 38885), (14, 38816),

Gene: Datway_57 Start: 38886, Stop: 38770, Start Num: 10
Candidate Starts for Datway_57:
(1, 39024), (2, 38937), (Start: 10 @38886 has 6 MA's), (12, 38871), (14, 38802),

Gene: Kykar_61 Start: 41163, Stop: 41032, Start Num: 3
Candidate Starts for Kykar_61:
(Start: 3 @41163 has 2 MA's), (9, 41142), (11, 41130), (13, 41118),

Gene: Lamina13_64 Start: 41951, Stop: 41820, Start Num: 3
Candidate Starts for Lamina13_64:
(Start: 3 @41951 has 2 MA's), (9, 41930), (11, 41918), (13, 41906),

Gene: Levia_56 Start: 40034, Stop: 39918, Start Num: 6
Candidate Starts for Levia_56:
(6, 40034), (7, 40028), (13, 40004), (14, 39935),

Gene: Noelle_58 Start: 39222, Stop: 39106, Start Num: 10
Candidate Starts for Noelle_58:
(2, 39273), (Start: 10 @39222 has 6 MA's), (12, 39207), (14, 39138),

Gene: Oogway_60 Start: 41660, Stop: 41547, Start Num: 8
Candidate Starts for Oogway_60:
(Start: 8 @41660 has 3 MA's), (11, 41645), (13, 41633),

Gene: PhineBark_60 Start: 41052, Stop: 40936, Start Num: 6
Candidate Starts for PhineBark_60:
(6, 41052), (7, 41046), (13, 41022), (14, 40953),

Gene: Stasia_57 Start: 38828, Stop: 38709, Start Num: 10
Candidate Starts for Stasia_57:
(1, 38966), (2, 38879), (Start: 10 @38828 has 6 MA's), (13, 38810), (14, 38741),

Gene: Wheeler_60 Start: 40218, Stop: 40084, Start Num: 4
Candidate Starts for Wheeler_60:
(Start: 4 @40218 has 1 MA's), (5, 40212), (13, 40170), (14, 40101),

Gene: Xena_56 Start: 38897, Stop: 38781, Start Num: 10
Candidate Starts for Xena_56:
(2, 38948), (Start: 10 @38897 has 6 MA's), (12, 38882), (14, 38813),