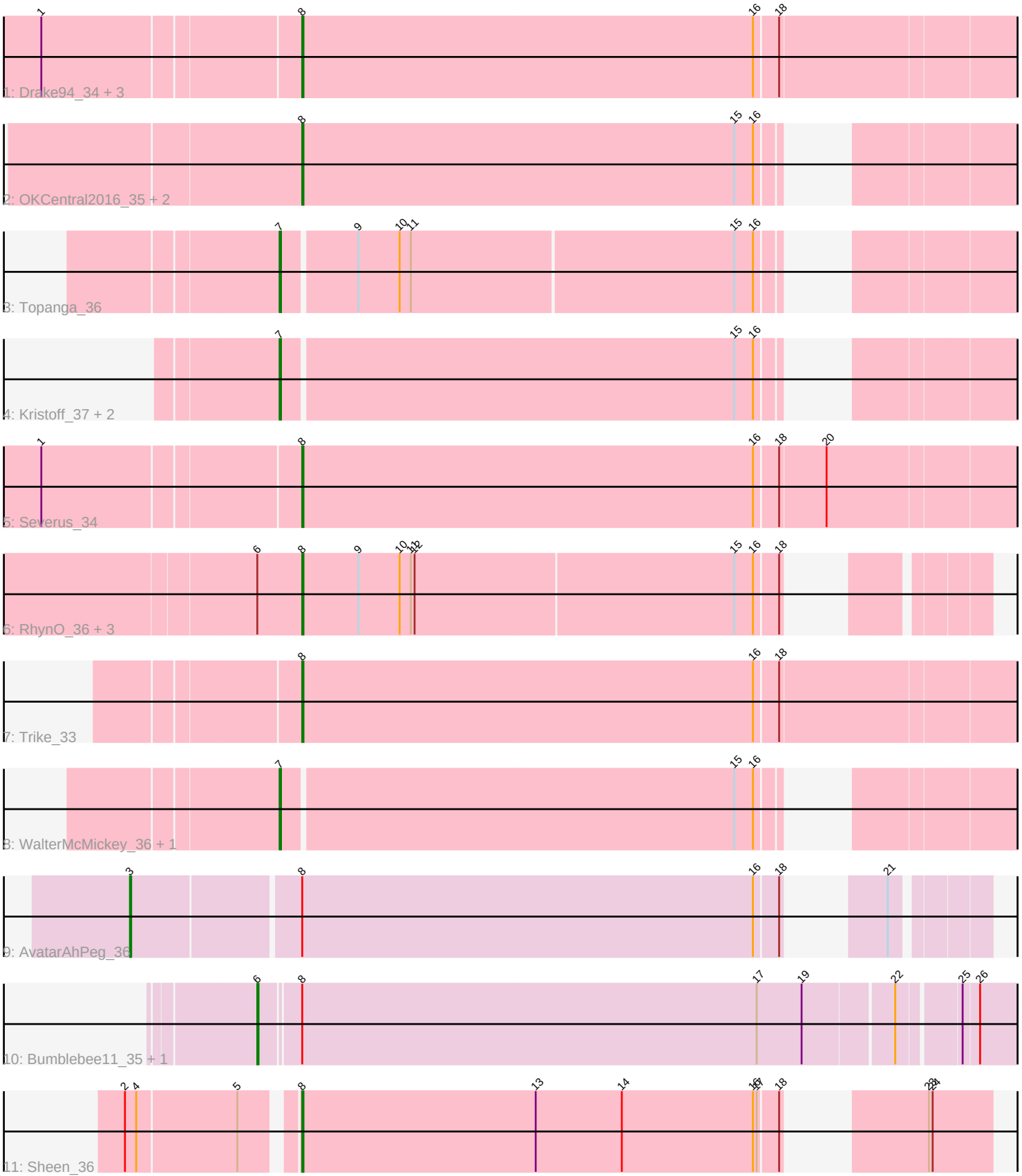
Pham 203280


1
8
16
18
1: Drake94_34 + 3
8
15
16
2: OKCentral2016_35 + 2
7
9
10
11
15
16
3: Topanga_36
7
15
16
4: Kristoff_37 + 2
1
8
16
18
20
5: Severus_34
6
8
9
10
12
15
16
18
6: RhynO_36 + 3
8
16
18
7: Trike_33
7
15
16
8: WalterMcMickey_36 + 1
3
8
16
18
21
9: AvatarAhPeg_36
6
8
17
19
22
25
26
10: Bumblebee11_35 + 1
2
4
5
8
13
14
16
17
18
23
24
11: Sheen_36

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 203280 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203280 has 23 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Drake94_34, Poompha_34, PeaceMeal1_34, KittenMittens_33
• Track 2 : OKCentral2016_35, Goose_36, Chupacabra_35
• Track 3 : Topanga_36
• Track 4 : Kristoff_37, Rebeuca_37, Edison31_36
• Track 5 : Severus_34
• Track 6 : RhynO_36, Shapes_39, Rowdy_39, DustyMartin_39
• Track 7 : Trike_33
• Track 8 : WalterMcMickey_36, Twister_36
• Track 9 : AvatarAhPeg_36
• Track 10 : Bumblebee11_35, Achebe_34
• Track 11 : Sheen_36

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

The start number called the most often in the published annotations is 8, it was called in 11 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chupacabra_35, Drake94_34, DustyMartin_39, Goose_36, KittenMittens_33, OKCentral2016_35, PeaceMeal1_34, Poompha_34, RhynO_36, Rowdy_39, Severus_34, Shapes_39, Sheen_36, Trike_33,

Genes that have the "Most Annotated" start but do not call it:
• Achebe_34, AvatarAhPeg_36, Bumblebee11_35,

Genes that do not have the "Most Annotated" start:
• Edison31_36, Kristoff_37, Rebeuca_37, Topanga_36, Twister_36, WalterMcMickey_36,

Summary by start number:

Start 3:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 20

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AvatarAhPeg_36 (A4),

Start 6:
• Found in 6 of 23 (26.1%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Achebe_34 (A4), Bumblebee11_35 (A4),

Start 7:
• Found in 6 of 23 (26.1%) of genes in pham
• Manual Annotations of this start: 6 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edison31_36 (A10), Kristoff_37 (A10), Rebeuca_37 (A10), Topanga_36 (A10), Twister_36 (A10), WalterMcMickey_36 (A10),

Start 8:
• Found in 17 of 23 (73.9%) of genes in pham
• Manual Annotations of this start: 11 of 20
• Called 82.4% of time when present
• Phage (with cluster) where this start called: Chupacabra_35 (A10), Drake94_34 (A10), DustyMartin_39 (A10), Goose_36 (A10), KittenMittens_33 (A10), OKCentral2016_35 (A10), PeaceMeal1_34 (A10), Poompha_34 (A10), RhynO_36 (A10), Rowdy_39 (A10), Severus_34 (A10), Shapes_39 (A10), Sheen_36 (A7), Trike_33 (A10),

Summary by clusters:

There are 3 clusters represented in this pham: A10, A7, A4,

Info for manual annotations of cluster A10:
•Start number 7 was manually annotated 6 times for cluster A10.
•Start number 8 was manually annotated 10 times for cluster A10.

Info for manual annotations of cluster A4:
•Start number 3 was manually annotated 1 time for cluster A4.
•Start number 6 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A7:
•Start number 8 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: Achebe_34 Start: 27864, Stop: 27259, Start Num: 6
Candidate Starts for Achebe_34:
(Start: 6 @27864 has 2 MA's), (Start: 8 @27834 has 11 MA's), (17, 27471), (19, 27435), (22, 27366), (25, 27321), (26, 27309),

Gene: AvatarAhPeg_36 Start: 28482, Stop: 27874, Start Num: 3
Candidate Starts for AvatarAhPeg_36:
(Start: 3 @28482 has 1 MA's), (Start: 8 @28353 has 11 MA's), (16, 27993), (18, 27975), (21, 27942),

Gene: Bumblebee11_35 Start: 27867, Stop: 27262, Start Num: 6
Candidate Starts for Bumblebee11_35:
(Start: 6 @27867 has 2 MA's), (Start: 8 @27837 has 11 MA's), (17, 27474), (19, 27438), (22, 27369), (25, 27324), (26, 27312),

Gene: Chupacabra_35 Start: 27785, Stop: 27258, Start Num: 8
Candidate Starts for Chupacabra_35:
(Start: 8 @27785 has 11 MA's), (15, 27440), (16, 27425),

Gene: Drake94_34 Start: 26656, Stop: 26072, Start Num: 8
Candidate Starts for Drake94_34:
(1, 26851), (Start: 8 @26656 has 11 MA's), (16, 26296), (18, 26278),

Gene: DustyMartin_39 Start: 27581, Stop: 27105, Start Num: 8
Candidate Starts for DustyMartin_39:
(Start: 6 @27617 has 2 MA's), (Start: 8 @27581 has 11 MA's), (9, 27536), (10, 27503), (11, 27494), (12, 27491), (15, 27239), (16, 27224), (18, 27206),

Gene: Edison31_36 Start: 28017, Stop: 27478, Start Num: 7
Candidate Starts for Edison31_36:
(Start: 7 @28017 has 6 MA's), (15, 27660), (16, 27645),

Gene: Goose_36 Start: 27589, Stop: 27062, Start Num: 8
Candidate Starts for Goose_36:
(Start: 8 @27589 has 11 MA's), (15, 27244), (16, 27229),

Gene: KittenMittens_33 Start: 26664, Stop: 26080, Start Num: 8
Candidate Starts for KittenMittens_33:
(1, 26859), (Start: 8 @26664 has 11 MA's), (16, 26304), (18, 26286),

Gene: Kristoff_37 Start: 28181, Stop: 27642, Start Num: 7
Candidate Starts for Kristoff_37:
(Start: 7 @28181 has 6 MA's), (15, 27824), (16, 27809),

Gene: OKCentral2016_35 Start: 27492, Stop: 26965, Start Num: 8
Candidate Starts for OKCentral2016_35:
(Start: 8 @27492 has 11 MA's), (15, 27147), (16, 27132),

Gene: PeaceMeal1_34 Start: 26665, Stop: 26081, Start Num: 8
Candidate Starts for PeaceMeal1_34:
(1, 26860), (Start: 8 @26665 has 11 MA's), (16, 26305), (18, 26287),

Gene: Poompha_34 Start: 26663, Stop: 26079, Start Num: 8
Candidate Starts for Poompha_34:
(1, 26858), (Start: 8 @26663 has 11 MA's), (16, 26303), (18, 26285),

Gene: Rebeuca_37 Start: 28182, Stop: 27643, Start Num: 7
Candidate Starts for Rebeuca_37:
(Start: 7 @28182 has 6 MA's), (15, 27825), (16, 27810),

Gene: RhynO_36 Start: 27673, Stop: 27197, Start Num: 8
Candidate Starts for RhynO_36:

(Start: 6 @27709 has 2 MA's), (Start: 8 @27673 has 11 MA's), (9, 27628), (10, 27595), (11, 27586), (12, 27583), (15, 27331), (16, 27316), (18, 27298),

Gene: Rowdy_39 Start: 27581, Stop: 27105, Start Num: 8
Candidate Starts for Rowdy_39:
(Start: 6 @27617 has 2 MA's), (Start: 8 @27581 has 11 MA's), (9, 27536), (10, 27503), (11, 27494), (12, 27491), (15, 27239), (16, 27224), (18, 27206),

Gene: Severus_34 Start: 26663, Stop: 26079, Start Num: 8
Candidate Starts for Severus_34:
(1, 26858), (Start: 8 @26663 has 11 MA's), (16, 26303), (18, 26285), (20, 26249),

Gene: Shapes_39 Start: 27581, Stop: 27105, Start Num: 8
Candidate Starts for Shapes_39:
(Start: 6 @27617 has 2 MA's), (Start: 8 @27581 has 11 MA's), (9, 27536), (10, 27503), (11, 27494), (12, 27491), (15, 27239), (16, 27224), (18, 27206),

Gene: Sheen_36 Start: 29802, Stop: 29311, Start Num: 8
Candidate Starts for Sheen_36:
(2, 29925), (4, 29916), (5, 29838), (Start: 8 @29802 has 11 MA's), (13, 29616), (14, 29547), (16, 29442), (17, 29439), (18, 29424), (23, 29361), (24, 29358),

Gene: Topanga_36 Start: 28017, Stop: 27481, Start Num: 7
Candidate Starts for Topanga_36:
(Start: 7 @28017 has 6 MA's), (9, 27960), (10, 27927), (11, 27918), (15, 27663), (16, 27648),

Gene: Trike_33 Start: 26496, Stop: 25912, Start Num: 8
Candidate Starts for Trike_33:
(Start: 8 @26496 has 11 MA's), (16, 26136), (18, 26118),

Gene: Twister_36 Start: 27928, Stop: 27389, Start Num: 7
Candidate Starts for Twister_36:
(Start: 7 @27928 has 6 MA's), (15, 27571), (16, 27556),

Gene: WalterMcMickey_36 Start: 27928, Stop: 27389, Start Num: 7
Candidate Starts for WalterMcMickey_36:
(Start: 7 @27928 has 6 MA's), (15, 27571), (16, 27556),