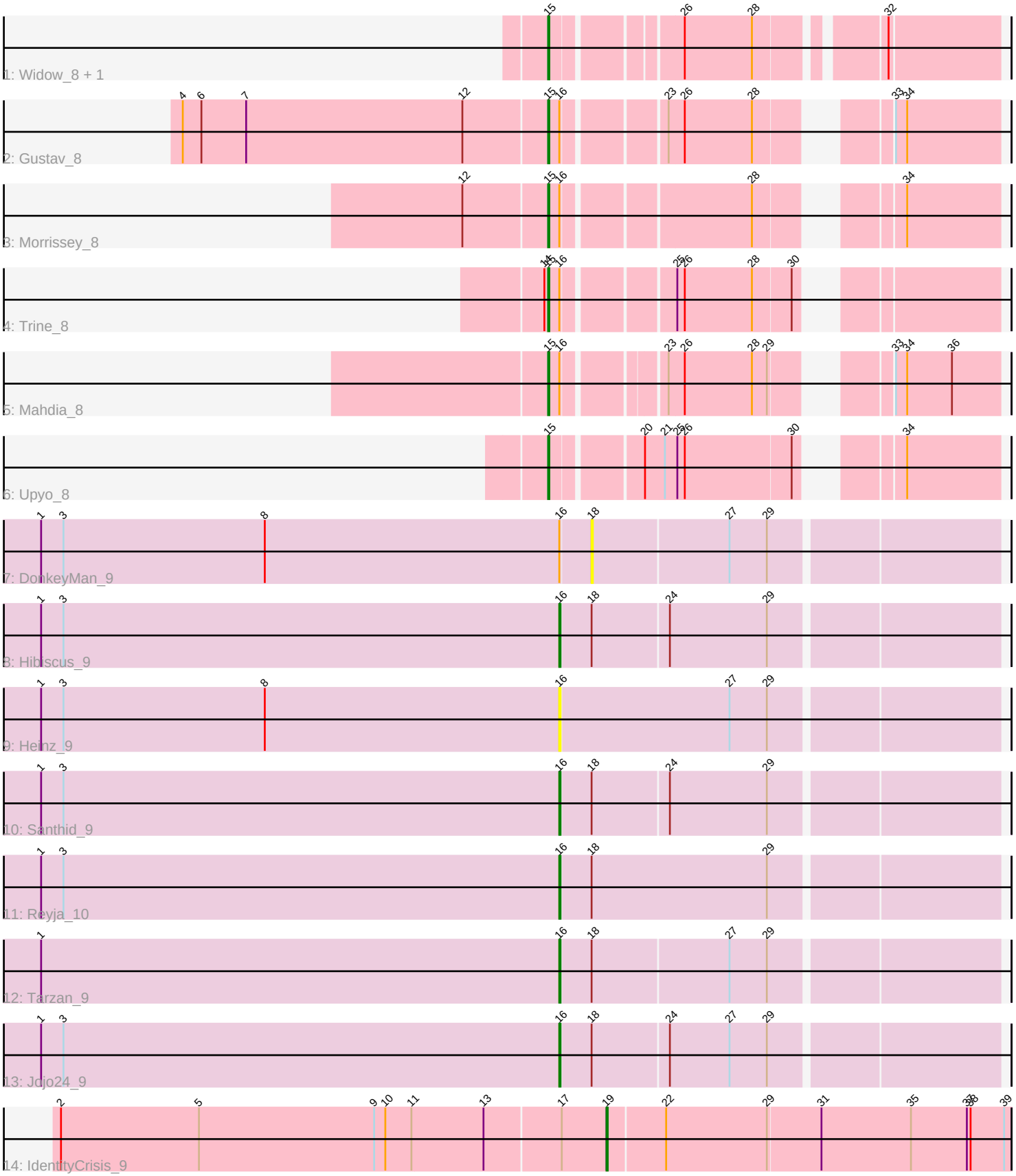
Pham 196939


1: Widow_8 + 1
2: Gustav_8
3: Morrissey_8
4: Trine_8
5: Mahdia_8
6: Upyo_8
7: DonkeyMan_9
8: Hibiscus_9
9: Heinz_9
10: Santhid_9
11: Reyja_10
12: Tarzan_9
13: Jojo24_9
14: IdentityCrisis_9

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 196939 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196939 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Widow_8, Puppers_8
• Track 2 : Gustav_8
• Track 3 : Morrissey_8
• Track 4 : Trine_8
• Track 5 : Mahdia_8
• Track 6 : Upyo_8
• Track 7 : DonkeyMan_9
• Track 8 : Hibiscus_9
• Track 9 : Heinz_9
• Track 10 : Santhid_9
• Track 11 : Reyja_10
• Track 12 : Tarzan_9
• Track 13 : Jojo24_9
• Track 14 : IdentityCrisis_9

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

The start number called the most often in the published annotations is 15, it was called in 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gustav_8, Mahdia_8, Morrissey_8, Puppers_8, Trine_8, Upyo_8, Widow_8,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• DonkeyMan_9, Heinz_9, Hibiscus_9, IdentityCrisis_9, Jojo24_9, Reyja_10, Santhid_9, Tarzan_9,

Summary by start number:

Start 15:
• Found in 7 of 15 (46.7%) of genes in pham

• Manual Annotations of this start: 7 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gustav_8 (CD), Mahdia_8 (CD), Morrissey_8 (CD), Puppers_8 (CD), Trine_8 (CD), Upyo_8 (CD), Widow_8 (CD),

Start 16:
• Found in 11 of 15 (73.3%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Heinz_9 (DY), Hibiscus_9 (DY), Jojo24_9 (DY), Reyja_10 (DY), Santhid_9 (DY), Tarzan_9 (DY),

Start 18:
• Found in 6 of 15 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: DonkeyMan_9 (DY),

Start 19:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_9 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CD, DY,

Info for manual annotations of cluster CD:
•Start number 15 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster DY:
•Start number 16 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: DonkeyMan_9 Start: 6832, Stop: 7146, Start Num: 18
Candidate Starts for DonkeyMan_9:
(1, 6391), (3, 6409), (8, 6571), (Start: 16 @6808 has 5 MA's), (18, 6832), (27, 6940), (29, 6970),

Gene: Gustav_8 Start: 6587, Stop: 6892, Start Num: 15
Candidate Starts for Gustav_8:
(4, 6296), (6, 6311), (7, 6347), (12, 6521), (Start: 15 @6587 has 7 MA's), (Start: 16 @6596 has 5 MA's), (23, 6668), (26, 6680), (28, 6734), (33, 6809), (34, 6818),

Gene: Heinz_9 Start: 6844, Stop: 7185, Start Num: 16
Candidate Starts for Heinz_9:
(1, 6427), (3, 6445), (8, 6607), (Start: 16 @6844 has 5 MA's), (27, 6979), (29, 7009),

Gene: Hibiscus_9 Start: 6818, Stop: 7156, Start Num: 16
Candidate Starts for Hibiscus_9:

(1, 6401), (3, 6419), (Start: 16 @6818 has 5 MA's), (18, 6842), (24, 6902), (29, 6980),

Gene: IdentityCrisis_9 Start: 7458, Stop: 7778, Start Num: 19
Candidate Starts for IdentityCrisis_9:
(2, 7023), (5, 7134), (9, 7275), (10, 7284), (11, 7305), (13, 7362), (17, 7422), (Start: 19 @7458 has 1 MA's), (22, 7503), (29, 7584), (31, 7626), (35, 7698), (37, 7743), (38, 7746), (39, 7773),

Gene: Jojo24_9 Start: 6813, Stop: 7151, Start Num: 16
Candidate Starts for Jojo24_9:
(1, 6396), (3, 6414), (Start: 16 @6813 has 5 MA's), (18, 6837), (24, 6897), (27, 6945), (29, 6975),

Gene: Mahdia_8 Start: 6589, Stop: 6891, Start Num: 15
Candidate Starts for Mahdia_8:
(Start: 15 @6589 has 7 MA's), (Start: 16 @6598 has 5 MA's), (23, 6667), (26, 6679), (28, 6733), (29, 6745), (33, 6808), (34, 6817), (36, 6853),

Gene: Morrissey_8 Start: 6562, Stop: 6867, Start Num: 15
Candidate Starts for Morrissey_8:
(12, 6496), (Start: 15 @6562 has 7 MA's), (Start: 16 @6571 has 5 MA's), (28, 6709), (34, 6793),

Gene: Puppers_8 Start: 6487, Stop: 6804, Start Num: 15
Candidate Starts for Puppers_8:
(Start: 15 @6487 has 7 MA's), (26, 6577), (28, 6631), (32, 6718),

Gene: Reyja_10 Start: 6954, Stop: 7295, Start Num: 16
Candidate Starts for Reyja_10:
(1, 6537), (3, 6555), (Start: 16 @6954 has 5 MA's), (18, 6978), (29, 7119),

Gene: Santhid_9 Start: 6822, Stop: 7160, Start Num: 16
Candidate Starts for Santhid_9:
(1, 6405), (3, 6423), (Start: 16 @6822 has 5 MA's), (18, 6846), (24, 6906), (29, 6984),

Gene: Tarzan_9 Start: 6813, Stop: 7151, Start Num: 16
Candidate Starts for Tarzan_9:
(1, 6396), (Start: 16 @6813 has 5 MA's), (18, 6837), (27, 6945), (29, 6975),

Gene: Trine_8 Start: 6505, Stop: 6810, Start Num: 15
Candidate Starts for Trine_8:
(14, 6502), (Start: 15 @6505 has 7 MA's), (Start: 16 @6514 has 5 MA's), (25, 6592), (26, 6598), (28, 6652), (30, 6682),

Gene: Upyo_8 Start: 6522, Stop: 6830, Start Num: 15
Candidate Starts for Upyo_8:
(Start: 15 @6522 has 7 MA's), (20, 6588), (21, 6603), (25, 6612), (26, 6618), (30, 6702), (34, 6756),

Gene: Widow_8 Start: 6478, Stop: 6795, Start Num: 15
Candidate Starts for Widow_8:
(Start: 15 @6478 has 7 MA's), (26, 6568), (28, 6622), (32, 6709),