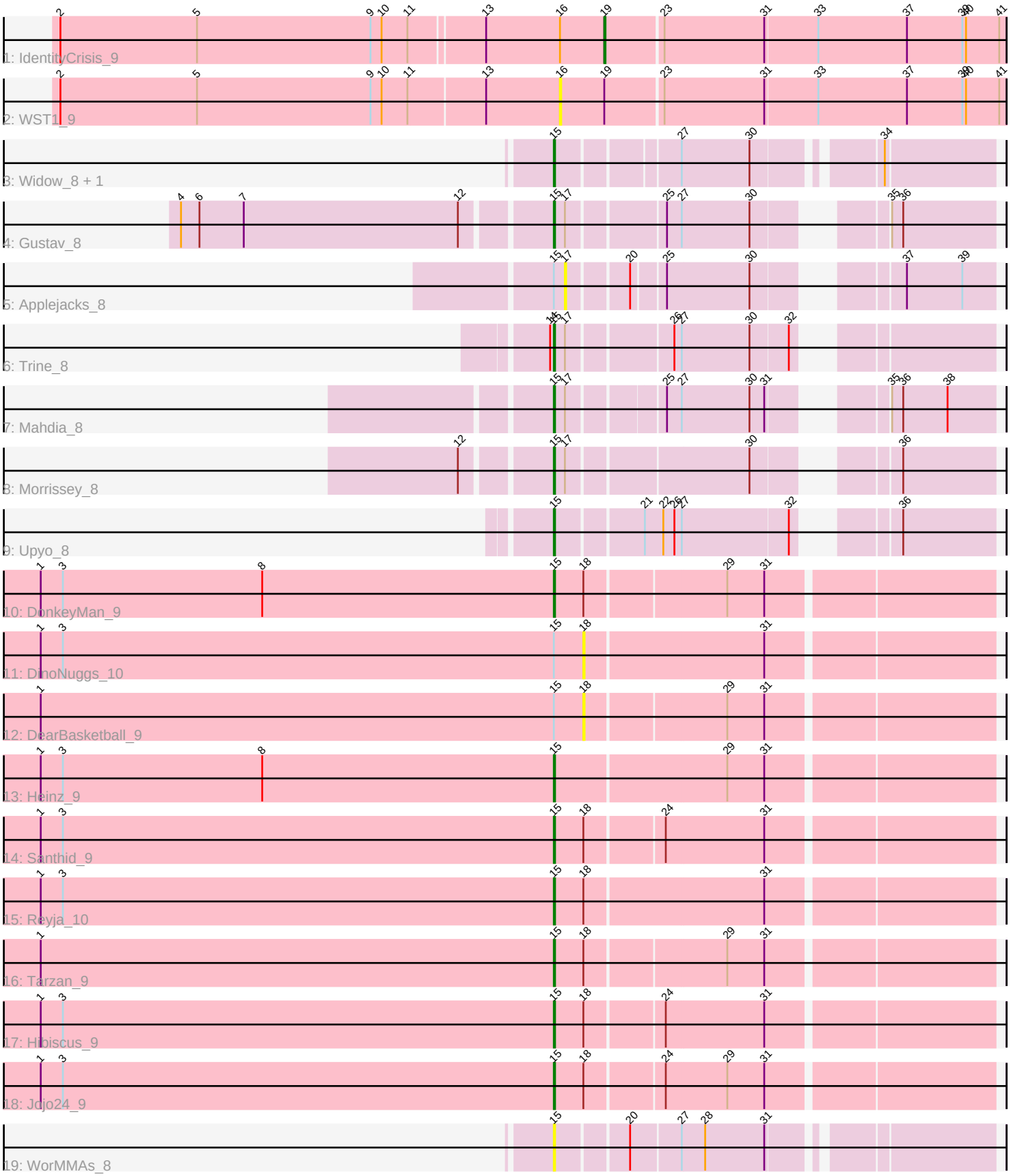
Pham 344416


1: IdentityCrisis_9
2: WST1_9
3: Widow_8 + 1
4: Gustav_8
5: Applejacks_8
6: Trine_8
7: Mahdia_8
8: Morrissey_8
9: Upyo_8
10: DonkeyMan_9
11: DinoNuggs_10
12: DearBasketball_9
13: Heinz_9
14: Santhid_9
15: Reyja_10
16: Tarzan_9
17: Hibiscus_9
18: Jojo24_9
19: WorMMAs_8

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 344416 Report

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

Pham number 344416 has 20 members, 5 are drafts.

Phages represented in each track:
• Track 1 : IdentityCrisis_9
• Track 2 : WST1_9
• Track 3 : Widow_8, Puppers_8
• Track 4 : Gustav_8
• Track 5 : Applejacks_8
• Track 6 : Trine_8
• Track 7 : Mahdia_8
• Track 8 : Morrissey_8
• Track 9 : Upyo_8
• Track 10 : DonkeyMan_9
• Track 11 : DinoNuggs_10
• Track 12 : DearBasketball_9
• Track 13 : Heinz_9
• Track 14 : Santhid_9
• Track 15 : Reyja_10
• Track 16 : Tarzan_9
• Track 17 : Hibiscus_9
• Track 18 : Jojo24_9
• Track 19 : WorMMAs_8

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 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DonkeyMan_9, Gustav_8, Heinz_9, Hibiscus_9, Jojo24_9, Mahdia_8, Morrissey_8, Puppers_8, Reyja_10, Santhid_9, Tarzan_9, Trine_8, Upyo_8, Widow_8, WorMMAs_8,

Genes that have the "Most Annotated" start but do not call it:
• Applejacks_8, DearBasketball_9, DinoNuggs_10,

Genes that do not have the "Most Annotated" start:

• IdentityCrisis_9, WST1_9,

Summary by start number:

Start 15:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 83.3% of time when present
• Phage (with cluster) where this start called: DonkeyMan_9 (DY), Gustav_8 (CD), Heinz_9 (DY), Hibiscus_9 (DY), Jojo24_9 (DY), Mahdia_8 (CD), Morrissey_8 (CD), Puppers_8 (CD), Reyja_10 (DY), Santhid_9 (DY), Tarzan_9 (DY), Trine_8 (CD), Upyo_8 (CD), Widow_8 (CD), WorMMAs_8 (UNK),

Start 16:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: WST1_9 (AJ),

Start 17:
• Found in 5 of 20 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Applejacks_8 (CD),

Start 18:
• Found in 8 of 20 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_9 (DY), DinoNuggs_10 (DY),

Start 19:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_9 (AJ),

Summary by clusters:

There are 4 clusters represented in this pham: UNK, CD, AJ, DY,

Info for manual annotations of cluster AJ:
•Start number 19 was manually annotated 1 time for cluster AJ.

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 15 was manually annotated 7 times for cluster DY.

Gene Information:

Gene: Applejacks_8 Start: 6532, Stop: 6825, Start Num: 17
Candidate Starts for Applejacks_8:
(Start: 15 @6523 has 14 MA's), (17, 6532), (20, 6577), (25, 6601), (30, 6667), (37, 6754), (39, 6799),

Gene: DearBasketball_9 Start: 6838, Stop: 7152, Start Num: 18
Candidate Starts for DearBasketball_9:
(1, 6397), (Start: 15 @6814 has 14 MA's), (18, 6838), (29, 6946), (31, 6976),

Gene: DinoNuggs_10 Start: 6978, Stop: 7295, Start Num: 18
Candidate Starts for DinoNuggs_10:
(1, 6537), (3, 6555), (Start: 15 @6954 has 14 MA's), (18, 6978), (31, 7119),

Gene: DonkeyMan_9 Start: 6808, Stop: 7146, Start Num: 15
Candidate Starts for DonkeyMan_9:
(1, 6391), (3, 6409), (8, 6571), (Start: 15 @6808 has 14 MA's), (18, 6832), (29, 6940), (31, 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 14 MA's), (17, 6596), (25, 6668), (27, 6680), (30, 6734), (35, 6809), (36, 6818),

Gene: Heinz_9 Start: 6844, Stop: 7185, Start Num: 15
Candidate Starts for Heinz_9:
(1, 6427), (3, 6445), (8, 6607), (Start: 15 @6844 has 14 MA's), (29, 6979), (31, 7009),

Gene: Hibiscus_9 Start: 6818, Stop: 7156, Start Num: 15
Candidate Starts for Hibiscus_9:
(1, 6401), (3, 6419), (Start: 15 @6818 has 14 MA's), (18, 6842), (24, 6902), (31, 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), (16, 7422), (Start: 19 @7458 has 1 MA's), (23, 7503), (31, 7584), (33, 7626), (37, 7698), (39, 7743), (40, 7746), (41, 7773),

Gene: Jojo24_9 Start: 6813, Stop: 7151, Start Num: 15
Candidate Starts for Jojo24_9:
(1, 6396), (3, 6414), (Start: 15 @6813 has 14 MA's), (18, 6837), (24, 6897), (29, 6945), (31, 6975),

Gene: Mahdia_8 Start: 6589, Stop: 6891, Start Num: 15
Candidate Starts for Mahdia_8:
(Start: 15 @6589 has 14 MA's), (17, 6598), (25, 6667), (27, 6679), (30, 6733), (31, 6745), (35, 6808), (36, 6817), (38, 6853),

Gene: Morrissey_8 Start: 6562, Stop: 6867, Start Num: 15
Candidate Starts for Morrissey_8:
(12, 6496), (Start: 15 @6562 has 14 MA's), (17, 6571), (30, 6709), (36, 6793),

Gene: Puppers_8 Start: 6487, Stop: 6804, Start Num: 15
Candidate Starts for Puppers_8:
(Start: 15 @6487 has 14 MA's), (27, 6577), (30, 6631), (34, 6718),

Gene: Reyja_10 Start: 6954, Stop: 7295, Start Num: 15
Candidate Starts for Reyja_10:
(1, 6537), (3, 6555), (Start: 15 @6954 has 14 MA's), (18, 6978), (31, 7119),

Gene: Santhid_9 Start: 6822, Stop: 7160, Start Num: 15
Candidate Starts for Santhid_9:
(1, 6405), (3, 6423), (Start: 15 @6822 has 14 MA's), (18, 6846), (24, 6906), (31, 6984),

Gene: Tarzan_9 Start: 6813, Stop: 7151, Start Num: 15
Candidate Starts for Tarzan_9:
(1, 6396), (Start: 15 @6813 has 14 MA's), (18, 6837), (29, 6945), (31, 6975),

Gene: Trine_8 Start: 6505, Stop: 6810, Start Num: 15
Candidate Starts for Trine_8:
(14, 6502), (Start: 15 @6505 has 14 MA's), (17, 6514), (26, 6592), (27, 6598), (30, 6652), (32, 6682),

Gene: Upyo_8 Start: 6522, Stop: 6830, Start Num: 15
Candidate Starts for Upyo_8:
(Start: 15 @6522 has 14 MA's), (21, 6588), (22, 6603), (26, 6612), (27, 6618), (32, 6702), (36, 6756),

Gene: WST1_9 Start: 7425, Stop: 7781, Start Num: 16
Candidate Starts for WST1_9:
(2, 7023), (5, 7134), (9, 7275), (10, 7284), (11, 7305), (13, 7365), (16, 7425), (Start: 19 @7461 has 1 MA's), (23, 7506), (31, 7587), (33, 7629), (37, 7701), (39, 7746), (40, 7749), (41, 7776),

Gene: Widow_8 Start: 6478, Stop: 6795, Start Num: 15
Candidate Starts for Widow_8:
(Start: 15 @6478 has 14 MA's), (27, 6568), (30, 6622), (34, 6709),

Gene: WorMMAs_8 Start: 6422, Stop: 6742, Start Num: 15
Candidate Starts for WorMMAs_8:
(Start: 15 @6422 has 14 MA's), (20, 6476), (27, 6515), (28, 6533), (31, 6581),