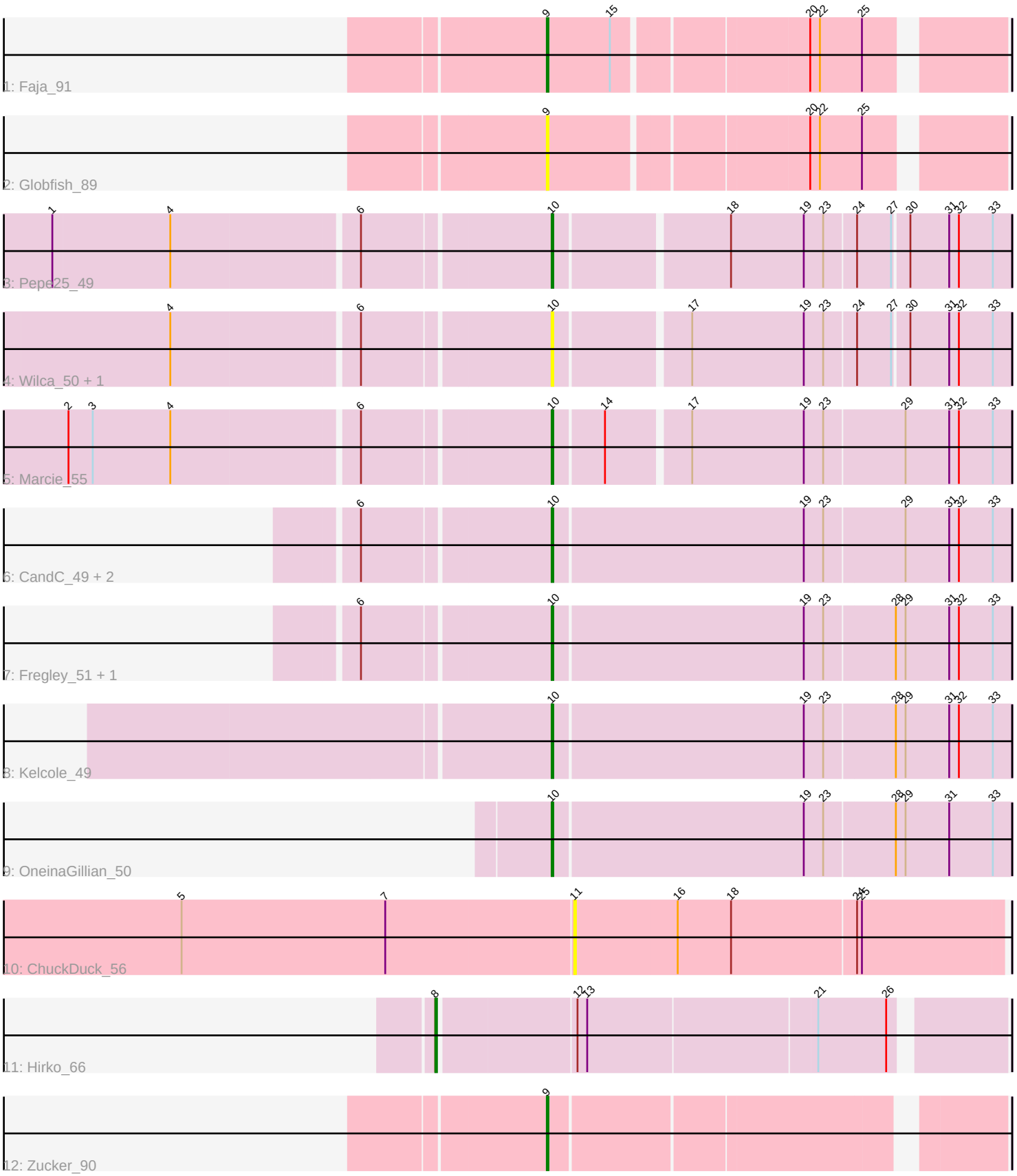
Pham 163993


9
15
20
22
25
1: Faja_91
9
20
22
25
2: Globfish_89
1
4
6
10
18
19
23
24
27
30
31
32
33
3: Pepe25_49
4
6
10
17
19
23
24
27
30
31
32
33
4: Wilca_50 + 1
2
3
4
6
10
14
17
19
23
29
31
32
33
5: Marcie_55
6
10
19
23
29
31
32
33
6: CandC_49 + 2
6
10
19
23
28
29
31
32
33
7: Fregley_51 + 1
10
19
23
28
29
31
32
33
8: Kelcole_49
10
19
23
28
29
31
33
9: OneinaGillian_50
5
7
11
16
18
24
25
10: ChuckDuck_56
8
12
13
21
26
11: Hirko_66
9
12: Zucker_90

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 163993 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163993 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Faja_91
• Track 2 : Globfish_89
• Track 3 : Pepe25_49
• Track 4 : Wilca_50, BirdInFrench_50
• Track 5 : Marcie_55
• Track 6 : CandC_49, Romm_52, RobinRose_52
• Track 7 : Fregley_51, Tempo_50
• Track 8 : Kelcole_49
• Track 9 : OneinaGillian_50
• Track 10 : ChuckDuck_56
• Track 11 : Hirko_66
• Track 12 : Zucker_90

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 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_50, CandC_49, Fregley_51, Kelcole_49, Marcie_55, OneinaGillian_50, Pepe25_49, RobinRose_52, Romm_52, Tempo_50, Wilca_50,

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

Genes that do not have the "Most Annotated" start:
• ChuckDuck_56, Faja_91, Globfish_89, Hirko_66, Zucker_90,

Summary by start number:

Start 8:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Hirko_66 (FL),

Start 9:
• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faja_91 (AY), Globfish_89 (AY), Zucker_90 (FN),

Start 10:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_50 (EG), CandC_49 (EG), Fregley_51 (EG), Kelcole_49 (EG), Marcie_55 (EG), OneinaGillian_50 (EG), Pepe25_49 (EG), RobinRose_52 (EG), Romm_52 (EG), Tempo_50 (EG), Wilca_50 (EG),

Start 11:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChuckDuck_56 (FA),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FA, EG, FL, FN,

Info for manual annotations of cluster AY:
•Start number 9 was manually annotated 1 time for cluster AY.

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

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

Info for manual annotations of cluster FN:
•Start number 9 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: BirdInFrench_50 Start: 35488, Stop: 35219, Start Num: 10
Candidate Starts for BirdInFrench_50:
(4, 35710), (6, 35599), (Start: 10 @35488 has 8 MA's), (17, 35410), (19, 35341), (23, 35329), (24, 35311), (27, 35290), (30, 35281), (31, 35257), (32, 35251), (33, 35230),

Gene: CandC_49 Start: 35861, Stop: 35583, Start Num: 10
Candidate Starts for CandC_49:

(6, 35972), (Start: 10 @35861 has 8 MA's), (19, 35708), (23, 35696), (29, 35648), (31, 35621), (32, 35615), (33, 35594),

Gene: ChuckDuck_56 Start: 35927, Stop: 36187, Start Num: 11
Candidate Starts for ChuckDuck_56:
(5, 35687), (7, 35813), (11, 35927), (16, 35990), (18, 36023), (24, 36098), (25, 36101),

Gene: Faja_91 Start: 50148, Stop: 50402, Start Num: 9
Candidate Starts for Faja_91:
(Start: 9 @50148 has 2 MA's), (15, 50187), (20, 50298), (22, 50304), (25, 50328),

Gene: Fregley_51 Start: 36422, Stop: 36144, Start Num: 10
Candidate Starts for Fregley_51:
(6, 36533), (Start: 10 @36422 has 8 MA's), (19, 36269), (23, 36257), (28, 36215), (29, 36209), (31, 36182), (32, 36176), (33, 36155),

Gene: Globfish_89 Start: 48891, Stop: 49145, Start Num: 9
Candidate Starts for Globfish_89:
(Start: 9 @48891 has 2 MA's), (20, 49041), (22, 49047), (25, 49071),

Gene: Hirko_66 Start: 43378, Stop: 43707, Start Num: 8
Candidate Starts for Hirko_66:
(Start: 8 @43378 has 1 MA's), (12, 43459), (13, 43465), (21, 43603), (26, 43645),

Gene: Kelcole_49 Start: 36313, Stop: 36035, Start Num: 10
Candidate Starts for Kelcole_49:
(Start: 10 @36313 has 8 MA's), (19, 36160), (23, 36148), (28, 36106), (29, 36100), (31, 36073), (32, 36067), (33, 36046),

Gene: Marcie_55 Start: 36924, Stop: 36652, Start Num: 10
Candidate Starts for Marcie_55:
(2, 37209), (3, 37194), (4, 37146), (6, 37035), (Start: 10 @36924 has 8 MA's), (14, 36894), (17, 36846), (19, 36777), (23, 36765), (29, 36717), (31, 36690), (32, 36684), (33, 36663),

Gene: OneinaGillian_50 Start: 35958, Stop: 35680, Start Num: 10
Candidate Starts for OneinaGillian_50:
(Start: 10 @35958 has 8 MA's), (19, 35805), (23, 35793), (28, 35751), (29, 35745), (31, 35718), (33, 35691),

Gene: Pepe25_49 Start: 35500, Stop: 35231, Start Num: 10
Candidate Starts for Pepe25_49:
(1, 35794), (4, 35722), (6, 35611), (Start: 10 @35500 has 8 MA's), (18, 35398), (19, 35353), (23, 35341), (24, 35323), (27, 35302), (30, 35293), (31, 35269), (32, 35263), (33, 35242),

Gene: RobinRose_52 Start: 36467, Stop: 36189, Start Num: 10
Candidate Starts for RobinRose_52:
(6, 36578), (Start: 10 @36467 has 8 MA's), (19, 36314), (23, 36302), (29, 36254), (31, 36227), (32, 36221), (33, 36200),

Gene: Romm_52 Start: 36467, Stop: 36189, Start Num: 10
Candidate Starts for Romm_52:
(6, 36578), (Start: 10 @36467 has 8 MA's), (19, 36314), (23, 36302), (29, 36254), (31, 36227), (32, 36221), (33, 36200),

Gene: Tempo_50 Start: 36346, Stop: 36068, Start Num: 10
Candidate Starts for Tempo_50:
(6, 36457), (Start: 10 @36346 has 8 MA's), (19, 36193), (23, 36181), (28, 36139), (29, 36133), (31, 36106), (32, 36100), (33, 36079),

Gene: Wilca_50 Start: 35488, Stop: 35219, Start Num: 10
Candidate Starts for Wilca_50:
(4, 35710), (6, 35599), (Start: 10 @35488 has 8 MA's), (17, 35410), (19, 35341), (23, 35329), (24, 35311), (27, 35290), (30, 35281), (31, 35257), (32, 35251), (33, 35230),

Gene: Zucker_90 Start: 50853, Stop: 51107, Start Num: 9
Candidate Starts for Zucker_90:
(Start: 9 @50853 has 2 MA's),