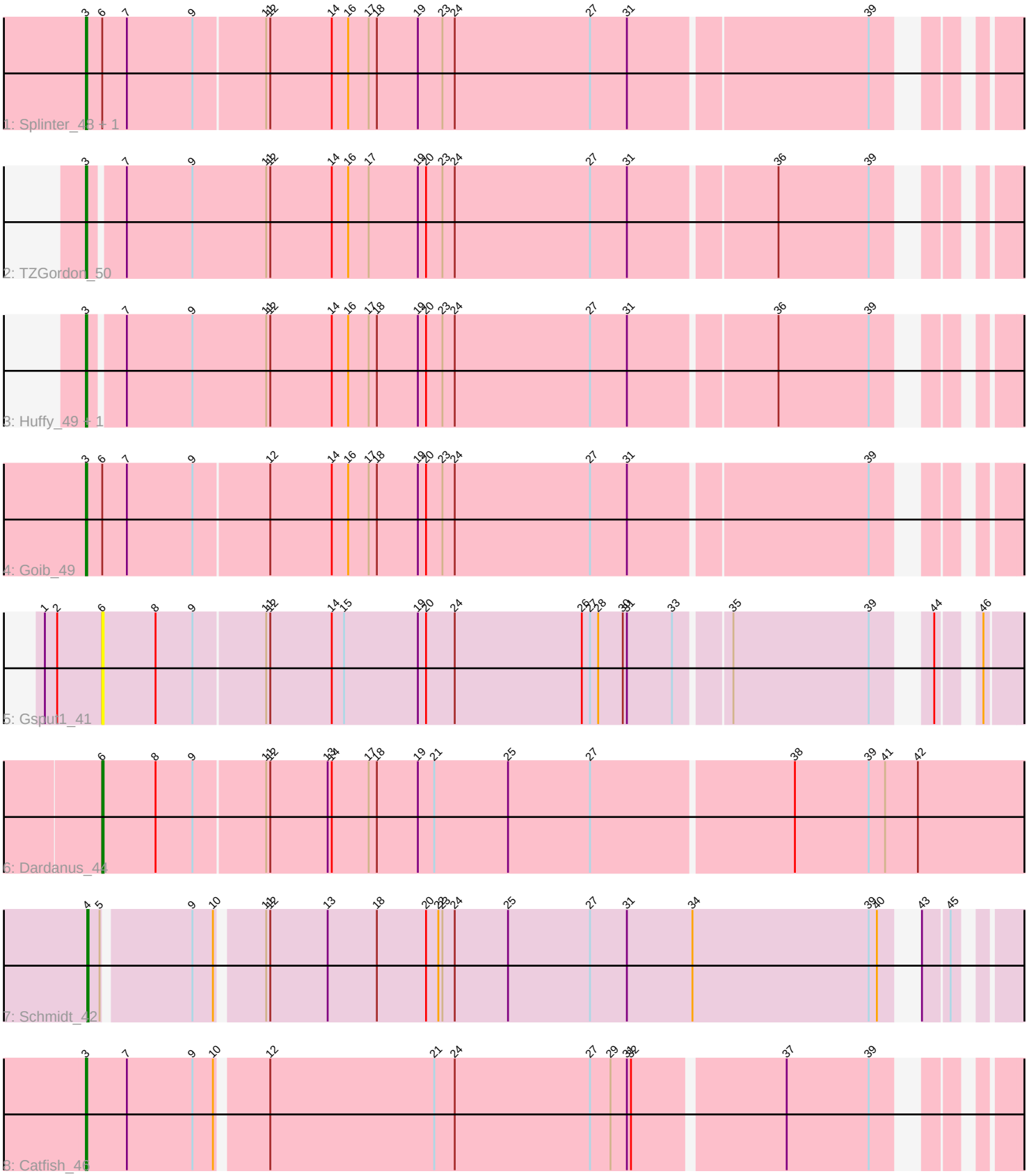
Pham 198598


1: Splinter_48 + 1
2: TZGordon1_50
3: Huffy_49 + 1
4: Goib_49
5: Gspud1_41
6: Dardanus_44
7: Schmidt_42
8: Catfish_46

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 198598 Report

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

Pham number 198598 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Splinter_48, Vendetta_48
• Track 2 : TZGordon_50
• Track 3 : Huffy_49, DinoDaryn_49
• Track 4 : Goib_49
• Track 5 : Gsput1_41
• Track 6 : Dardanus_44
• Track 7 : Schmidt_42
• Track 8 : Catfish_46

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catfish_46, DinoDaryn_49, Goib_49, Huffy_49, Splinter_48, TZGordon_50, Vendetta_48,

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

Genes that do not have the "Most Annotated" start:
• Dardanus_44, Gsput1_41, Schmidt_42,

Summary by start number:

Start 3:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_46 (CU5), DinoDaryn_49 (CU1), Goib_49 (CU1), Huffy_49 (CU1), Splinter_48 (CU1), TZGordon_50 (CU1), Vendetta_48 (CU1),

Start 4:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_42 (CU4),

Start 6:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Dardanus_44 (CU3), Gsput1_41 (CU2),

Summary by clusters:

There are 5 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1,

Info for manual annotations of cluster CU1:
•Start number 3 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 6 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 4 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 3 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Catfish_46 Start: 32718, Stop: 33347, Start Num: 3
Candidate Starts for Catfish_46:
(Start: 3 @32718 has 7 MA's), (7, 32748), (9, 32796), (10, 32811), (12, 32844), (21, 32964), (24, 32979), (27, 33078), (29, 33093), (31, 33105), (32, 33108), (37, 33213), (39, 33273),

Gene: Dardanus_44 Start: 30078, Stop: 30791, Start Num: 6
Candidate Starts for Dardanus_44:
(Start: 6 @30078 has 1 MA's), (8, 30117), (9, 30144), (11, 30195), (12, 30198), (13, 30240), (14, 30243), (17, 30270), (18, 30276), (19, 30306), (21, 30318), (25, 30372), (27, 30432), (38, 30576), (39, 30630), (41, 30642), (42, 30666),

Gene: DinoDaryn_49 Start: 31634, Stop: 32308, Start Num: 3
Candidate Starts for DinoDaryn_49:
(Start: 3 @31634 has 7 MA's), (7, 31658), (9, 31706), (11, 31760), (12, 31763), (14, 31808), (16, 31820), (17, 31835), (18, 31841), (19, 31871), (20, 31877), (23, 31889), (24, 31898), (27, 31997), (31, 32024), (36, 32126), (39, 32192),

Gene: Goib_49 Start: 32018, Stop: 32695, Start Num: 3
Candidate Starts for Goib_49:

(Start: 3 @32018 has 7 MA's), (Start: 6 @32030 has 1 MA's), (7, 32048), (9, 32096), (12, 32150), (14, 32195), (16, 32207), (17, 32222), (18, 32228), (19, 32258), (20, 32264), (23, 32276), (24, 32285), (27, 32384), (31, 32411), (39, 32579),

Gene: Gsput1_41 Start: 30846, Stop: 31469, Start Num: 6
Candidate Starts for Gsput1_41:
(1, 30804), (2, 30813), (Start: 6 @30846 has 1 MA's), (8, 30885), (9, 30912), (11, 30963), (12, 30966), (14, 31011), (15, 31020), (19, 31074), (20, 31080), (24, 31101), (26, 31194), (27, 31200), (28, 31206), (30, 31224), (31, 31227), (33, 31260), (35, 31296), (39, 31395), (44, 31422), (46, 31443),

Gene: Huffy_49 Start: 31634, Stop: 32308, Start Num: 3
Candidate Starts for Huffy_49:
(Start: 3 @31634 has 7 MA's), (7, 31658), (9, 31706), (11, 31760), (12, 31763), (14, 31808), (16, 31820), (17, 31835), (18, 31841), (19, 31871), (20, 31877), (23, 31889), (24, 31898), (27, 31997), (31, 32024), (36, 32126), (39, 32192),

Gene: Schmidt_42 Start: 29023, Stop: 29649, Start Num: 4
Candidate Starts for Schmidt_42:
(Start: 4 @29023 has 1 MA's), (5, 29032), (9, 29092), (10, 29107), (11, 29137), (12, 29140), (13, 29182), (18, 29218), (20, 29254), (22, 29263), (23, 29266), (24, 29275), (25, 29314), (27, 29374), (31, 29401), (34, 29449), (39, 29578), (40, 29584), (43, 29596), (45, 29614),

Gene: Splinter_48 Start: 32041, Stop: 32718, Start Num: 3
Candidate Starts for Splinter_48:
(Start: 3 @32041 has 7 MA's), (Start: 6 @32053 has 1 MA's), (7, 32071), (9, 32119), (11, 32170), (12, 32173), (14, 32218), (16, 32230), (17, 32245), (18, 32251), (19, 32281), (23, 32299), (24, 32308), (27, 32407), (31, 32434), (39, 32602),

Gene: TZGordon_50 Start: 31549, Stop: 32214, Start Num: 3
Candidate Starts for TZGordon_50:
(Start: 3 @31549 has 7 MA's), (7, 31573), (9, 31621), (11, 31675), (12, 31678), (14, 31723), (16, 31735), (17, 31750), (19, 31786), (20, 31792), (23, 31804), (24, 31813), (27, 31912), (31, 31939), (36, 32041), (39, 32107),

Gene: Vendetta_48 Start: 32041, Stop: 32718, Start Num: 3
Candidate Starts for Vendetta_48:
(Start: 3 @32041 has 7 MA's), (Start: 6 @32053 has 1 MA's), (7, 32071), (9, 32119), (11, 32170), (12, 32173), (14, 32218), (16, 32230), (17, 32245), (18, 32251), (19, 32281), (23, 32299), (24, 32308), (27, 32407), (31, 32434), (39, 32602),