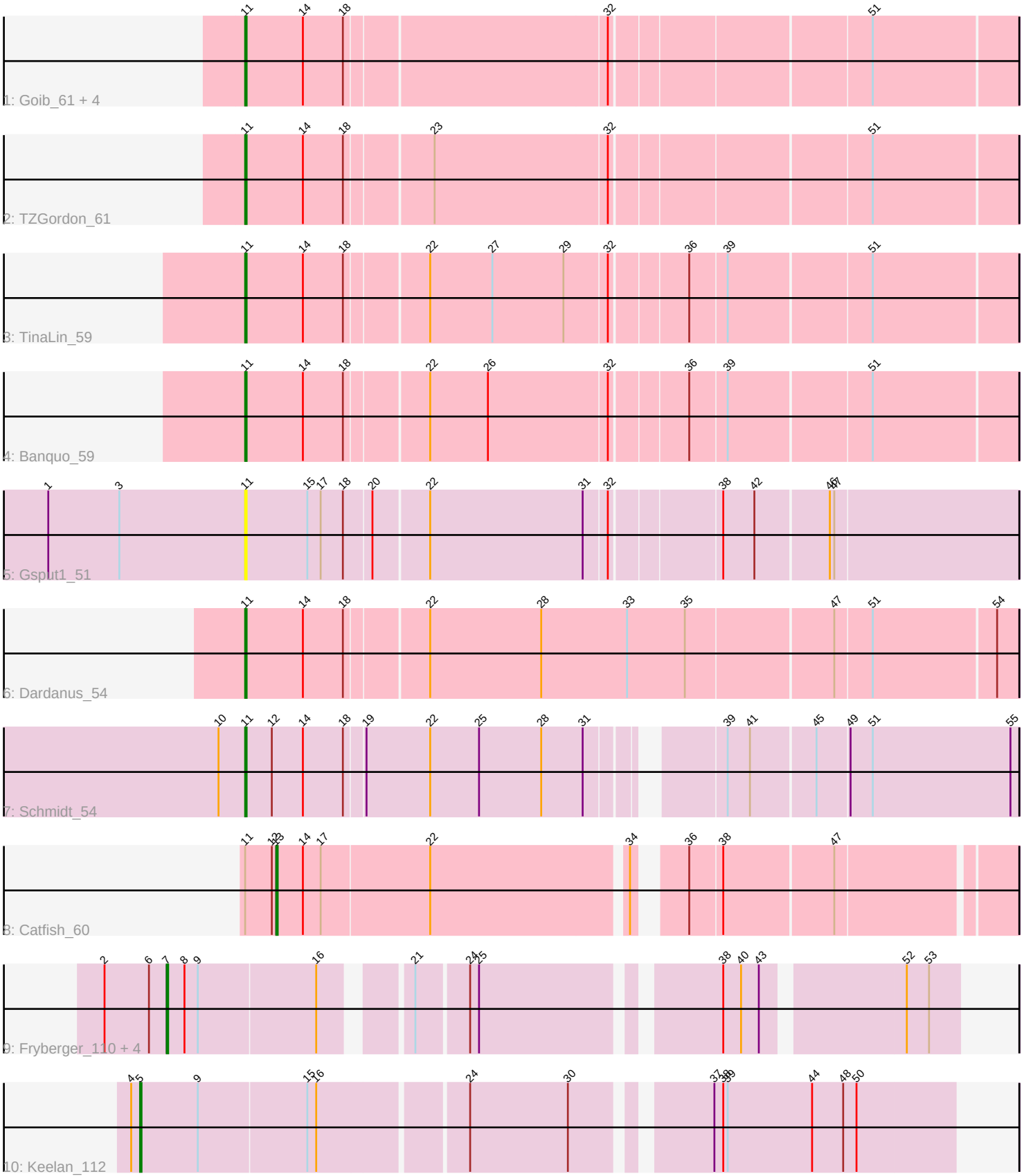
Pham 348089


1: Goib_61 + 4
2: TZGordon_61
3: TinaLin_59
4: Banquo_59
5: Gsput1_51
6: Dardanus_54
7: Schmidt_54
8: Catfish_60
9: Fryberger_110 + 4
10: Keelan_112

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 348089 Report

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

Pham number 348089 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Goib_61, Huffy_60, Splinter_60, Vendetta_60, DinoDaryn_60
• Track 2 : TZGordon_61
• Track 3 : TinaLin_59
• Track 4 : Banquo_59
• Track 5 : Gsput1_51
• Track 6 : Dardanus_54
• Track 7 : Schmidt_54
• Track 8 : Catfish_60
• Track 9 : Fryberger_110, Volt_114, Guey18_115, Ziko_113, Ronaldo_112
• Track 10 : Keelan_112

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

The start number called the most often in the published annotations is 11, it was called in 10 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Banquo_59, Dardanus_54, DinoDaryn_60, Goib_61, Gsput1_51, Huffy_60, Schmidt_54, Splinter_60, TZGordon_61, TinaLin_59, Vendetta_60,

Genes that have the "Most Annotated" start but do not call it:
• Catfish_60,

Genes that do not have the "Most Annotated" start:
• Fryberger_110, Guey18_115, Keelan_112, Ronaldo_112, Volt_114, Ziko_113,

Summary by start number:

Start 5:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_112 (DP),

Start 7:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_110 (DP), Guey18_115 (DP), Ronaldo_112 (DP), Volt_114 (DP), Ziko_113 (DP),

Start 11:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 10 of 17
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Banquo_59 (CU1), Dardanus_54 (CU3), DinoDaryn_60 (CU1), Goib_61 (CU1), Gsput1_51 (CU2), Huffy_60 (CU1), Schmidt_54 (CU4), Splinter_60 (CU1), TZGordon_61 (CU1), TinaLin_59 (CU1), Vendetta_60 (CU1),

Start 13:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_60 (CU5),

Summary by clusters:

There are 6 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1, DP,

Info for manual annotations of cluster CU1:
•Start number 11 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 11 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 11 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 13 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DP:
•Start number 5 was manually annotated 1 time for cluster DP.
•Start number 7 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: Banquo_59 Start: 37784, Stop: 38278, Start Num: 11
Candidate Starts for Banquo_59:
(Start: 11 @37784 has 10 MA's), (14, 37823), (18, 37850), (22, 37901), (26, 37940), (32, 38018), (36, 38066), (39, 38090), (51, 38183),

Gene: Catfish_60 Start: 39828, Stop: 40286, Start Num: 13

Candidate Starts for Catfish_60:
(Start: 11 @39807 has 10 MA's), (12, 39825), (Start: 13 @39828 has 1 MA's), (14, 39846), (17, 39858), (22, 39930), (34, 40056), (36, 40080), (38, 40101), (47, 40173),

Gene: Dardanus_54 Start: 36041, Stop: 36544, Start Num: 11
Candidate Starts for Dardanus_54:
(Start: 11 @36041 has 10 MA's), (14, 36080), (18, 36107), (22, 36158), (28, 36233), (33, 36290), (35, 36329), (47, 36425), (51, 36449), (54, 36530),

Gene: DinoDaryn_60 Start: 37869, Stop: 38363, Start Num: 11
Candidate Starts for DinoDaryn_60:
(Start: 11 @37869 has 10 MA's), (14, 37908), (18, 37935), (32, 38103), (51, 38268),

Gene: Fryberger_110 Start: 53670, Stop: 54146, Start Num: 7
Candidate Starts for Fryberger_110:
(2, 53628), (6, 53658), (Start: 7 @53670 has 5 MA's), (8, 53682), (9, 53691), (16, 53769), (21, 53817), (24, 53850), (25, 53856), (38, 54000), (40, 54012), (43, 54024), (52, 54111), (53, 54126),

Gene: Goib_61 Start: 38985, Stop: 39479, Start Num: 11
Candidate Starts for Goib_61:
(Start: 11 @38985 has 10 MA's), (14, 39024), (18, 39051), (32, 39219), (51, 39384),

Gene: Gsput1_51 Start: 35855, Stop: 36355, Start Num: 11
Candidate Starts for Gsput1_51:
(1, 35723), (3, 35771), (Start: 11 @35855 has 10 MA's), (15, 35897), (17, 35906), (18, 35921), (20, 35939), (22, 35975), (31, 36077), (32, 36092), (38, 36161), (42, 36182), (46, 36230), (47, 36233),

Gene: Guey18_115 Start: 54993, Stop: 55469, Start Num: 7
Candidate Starts for Guey18_115:
(2, 54951), (6, 54981), (Start: 7 @54993 has 5 MA's), (8, 55005), (9, 55014), (16, 55092), (21, 55140), (24, 55173), (25, 55179), (38, 55323), (40, 55335), (43, 55347), (52, 55434), (53, 55449),

Gene: Huffy_60 Start: 37869, Stop: 38363, Start Num: 11
Candidate Starts for Huffy_60:
(Start: 11 @37869 has 10 MA's), (14, 37908), (18, 37935), (32, 38103), (51, 38268),

Gene: Keelan_112 Start: 54730, Stop: 55245, Start Num: 5
Candidate Starts for Keelan_112:
(4, 54724), (Start: 5 @54730 has 1 MA's), (9, 54769), (15, 54841), (16, 54847), (24, 54940), (30, 55006), (37, 55084), (38, 55090), (39, 55093), (44, 55150), (48, 55171), (50, 55180),

Gene: Ronaldo_112 Start: 54575, Stop: 55051, Start Num: 7
Candidate Starts for Ronaldo_112:
(2, 54533), (6, 54563), (Start: 7 @54575 has 5 MA's), (8, 54587), (9, 54596), (16, 54674), (21, 54722), (24, 54755), (25, 54761), (38, 54905), (40, 54917), (43, 54929), (52, 55016), (53, 55031),

Gene: Schmidt_54 Start: 35488, Stop: 35973, Start Num: 11
Candidate Starts for Schmidt_54:
(10, 35470), (Start: 11 @35488 has 10 MA's), (12, 35506), (14, 35527), (18, 35554), (19, 35566), (22, 35608), (25, 35641), (28, 35683), (31, 35710), (39, 35782), (41, 35797), (45, 35839), (49, 35860), (51, 35875), (55, 35968),

Gene: Splinter_60 Start: 38956, Stop: 39450, Start Num: 11

Candidate Starts for Splinter_60:
(Start: 11 @38956 has 10 MA's), (14, 38995), (18, 39022), (32, 39190), (51, 39355),

Gene: TZGordon_61 Start: 37845, Stop: 38339, Start Num: 11
Candidate Starts for TZGordon_61:
(Start: 11 @37845 has 10 MA's), (14, 37884), (18, 37911), (23, 37965), (32, 38079), (51, 38244),

Gene: TinaLin_59 Start: 37708, Stop: 38202, Start Num: 11
Candidate Starts for TinaLin_59:
(Start: 11 @37708 has 10 MA's), (14, 37747), (18, 37774), (22, 37825), (27, 37867), (29, 37915), (32, 37942), (36, 37990), (39, 38014), (51, 38107),

Gene: Vendetta_60 Start: 38956, Stop: 39450, Start Num: 11
Candidate Starts for Vendetta_60:
(Start: 11 @38956 has 10 MA's), (14, 38995), (18, 39022), (32, 39190), (51, 39355),

Gene: Volt_114 Start: 54739, Stop: 55215, Start Num: 7
Candidate Starts for Volt_114:
(2, 54697), (6, 54727), (Start: 7 @54739 has 5 MA's), (8, 54751), (9, 54760), (16, 54838), (21, 54886), (24, 54919), (25, 54925), (38, 55069), (40, 55081), (43, 55093), (52, 55180), (53, 55195),

Gene: Ziko_113 Start: 54581, Stop: 55057, Start Num: 7
Candidate Starts for Ziko_113:
(2, 54539), (6, 54569), (Start: 7 @54581 has 5 MA's), (8, 54593), (9, 54602), (16, 54680), (21, 54728), (24, 54761), (25, 54767), (38, 54911), (40, 54923), (43, 54935), (52, 55022), (53, 55037),