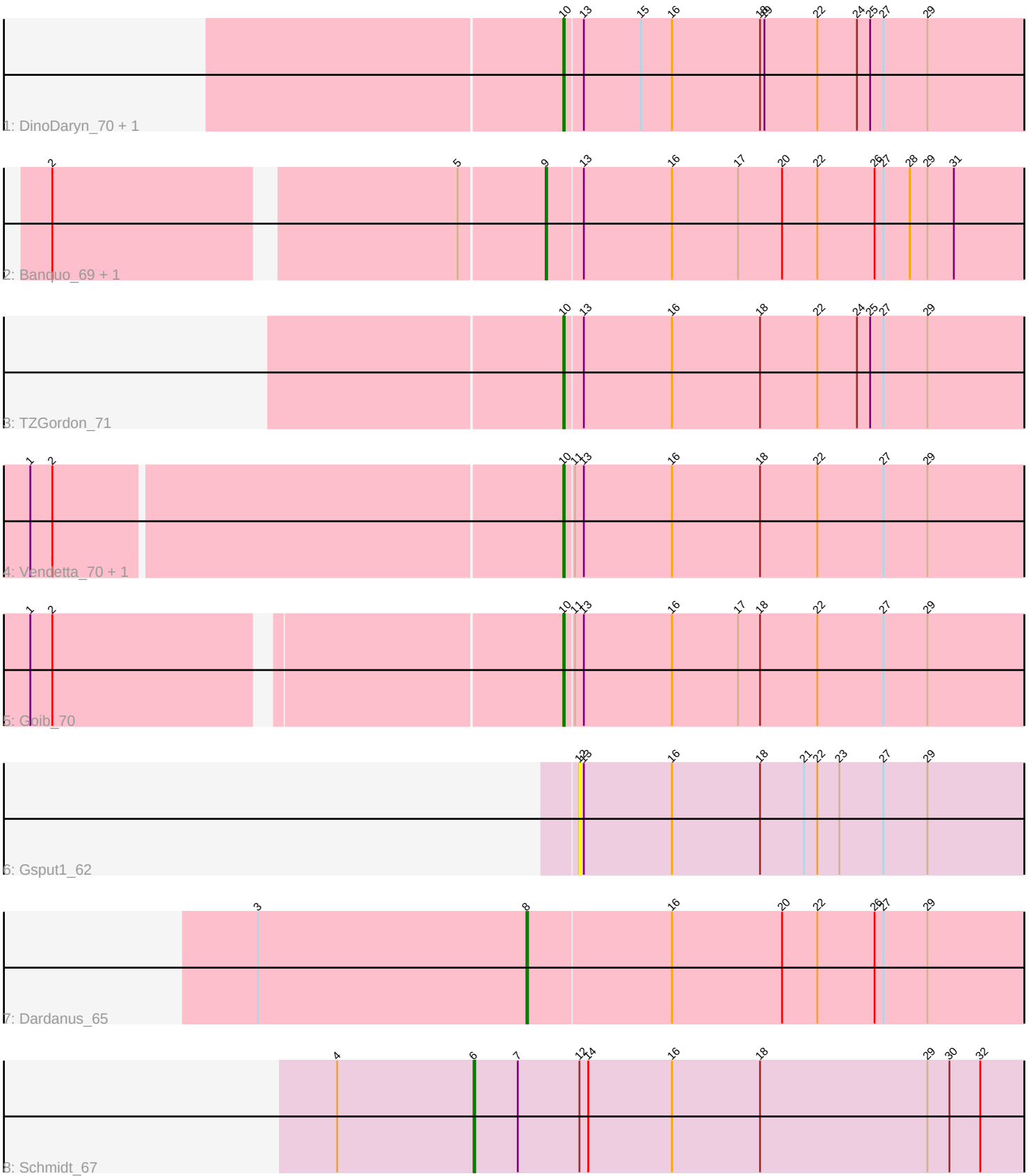
Pham 5516


1: DinoDaryn_70 + 1
2: Banquo_69 + 1
3: TZGordon_71
4: Vendetta_70 + 1
5: Goib_70
6: Gsput1_62
7: Dardanus_65
8: Schmidt_67

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 5516 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5516 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DinoDaryn_70, Huffy_70
• Track 2 : Banquo_69, TinaLin_69
• Track 3 : TZGordon_71
• Track 4 : Vendetta_70, Splinter_70
• Track 5 : Goib_70
• Track 6 : Gsput1_62
• Track 7 : Dardanus_65
• Track 8 : Schmidt_67

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DinoDaryn_70, Goib_70, Huffy_70, Splinter_70, TZGordon_71, Vendetta_70,

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

Genes that do not have the "Most Annotated" start:
• Banquo_69, Dardanus_65, Gsput1_62, Schmidt_67, TinaLin_69,

Summary by start number:

Start 6:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_67 (CU4),

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_65 (CU3),

Start 9:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_69 (CU1), TinaLin_69 (CU1),

Start 10:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DinoDaryn_70 (CU1), Goib_70 (CU1), Huffy_70 (CU1), Splinter_70 (CU1), TZGordon_71 (CU1), Vendetta_70 (CU1),

Start 12:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gsput1_62 (CU2),

Summary by clusters:

There are 4 clusters represented in this pham: CU4, CU3, CU2, CU1,

Info for manual annotations of cluster CU1:
•Start number 9 was manually annotated 2 times for cluster CU1.
•Start number 10 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 8 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 6 was manually annotated 1 time for cluster CU4.

Gene Information:

Gene: Banquo_69 Start: 41536, Stop: 41874, Start Num: 9
Candidate Starts for Banquo_69:
(2, 41221), (5, 41479), (Start: 9 @41536 has 2 MA's), (13, 41560), (16, 41620), (17, 41665), (20, 41695), (22, 41719), (26, 41758), (27, 41764), (28, 41782), (29, 41794), (31, 41812),

Gene: Dardanus_65 Start: 40369, Stop: 40725, Start Num: 8
Candidate Starts for Dardanus_65:
(3, 40186), (Start: 8 @40369 has 1 MA's), (16, 40465), (20, 40540), (22, 40564), (26, 40603), (27, 40609), (29, 40639),

Gene: DinoDaryn_70 Start: 41826, Stop: 42152, Start Num: 10
Candidate Starts for DinoDaryn_70:

(Start: 10 @41826 has 6 MA's), (13, 41838), (15, 41877), (16, 41898), (18, 41958), (19, 41961), (22, 41997), (24, 42024), (25, 42033), (27, 42042), (29, 42072),

Gene: Goib_70 Start: 42924, Stop: 43250, Start Num: 10
Candidate Starts for Goib_70:
(1, 42582), (2, 42597), (Start: 10 @42924 has 6 MA's), (11, 42930), (13, 42936), (16, 42996), (17, 43041), (18, 43056), (22, 43095), (27, 43140), (29, 43170),

Gene: Gsput1_62 Start: 40603, Stop: 40947, Start Num: 12
Candidate Starts for Gsput1_62:
(12, 40603), (13, 40606), (16, 40666), (18, 40726), (21, 40756), (22, 40765), (23, 40780), (27, 40810), (29, 40840),

Gene: Huffy_70 Start: 41826, Stop: 42152, Start Num: 10
Candidate Starts for Huffy_70:
(Start: 10 @41826 has 6 MA's), (13, 41838), (15, 41877), (16, 41898), (18, 41958), (19, 41961), (22, 41997), (24, 42024), (25, 42033), (27, 42042), (29, 42072),

Gene: Schmidt_67 Start: 40653, Stop: 41051, Start Num: 6
Candidate Starts for Schmidt_67:
(4, 40563), (Start: 6 @40653 has 1 MA's), (7, 40683), (12, 40725), (14, 40731), (16, 40788), (18, 40848), (29, 40962), (30, 40977), (32, 40998),

Gene: Splinter_70 Start: 42908, Stop: 43234, Start Num: 10
Candidate Starts for Splinter_70:
(1, 42554), (2, 42569), (Start: 10 @42908 has 6 MA's), (11, 42914), (13, 42920), (16, 42980), (18, 43040), (22, 43079), (27, 43124), (29, 43154),

Gene: TZGordon_71 Start: 41796, Stop: 42122, Start Num: 10
Candidate Starts for TZGordon_71:
(Start: 10 @41796 has 6 MA's), (13, 41808), (16, 41868), (18, 41928), (22, 41967), (24, 41994), (25, 42003), (27, 42012), (29, 42042),

Gene: TinaLin_69 Start: 41456, Stop: 41794, Start Num: 9
Candidate Starts for TinaLin_69:
(2, 41141), (5, 41399), (Start: 9 @41456 has 2 MA's), (13, 41480), (16, 41540), (17, 41585), (20, 41615), (22, 41639), (26, 41678), (27, 41684), (28, 41702), (29, 41714), (31, 41732),

Gene: Vendetta_70 Start: 42908, Stop: 43234, Start Num: 10
Candidate Starts for Vendetta_70:
(1, 42554), (2, 42569), (Start: 10 @42908 has 6 MA's), (11, 42914), (13, 42920), (16, 42980), (18, 43040), (22, 43079), (27, 43124), (29, 43154),