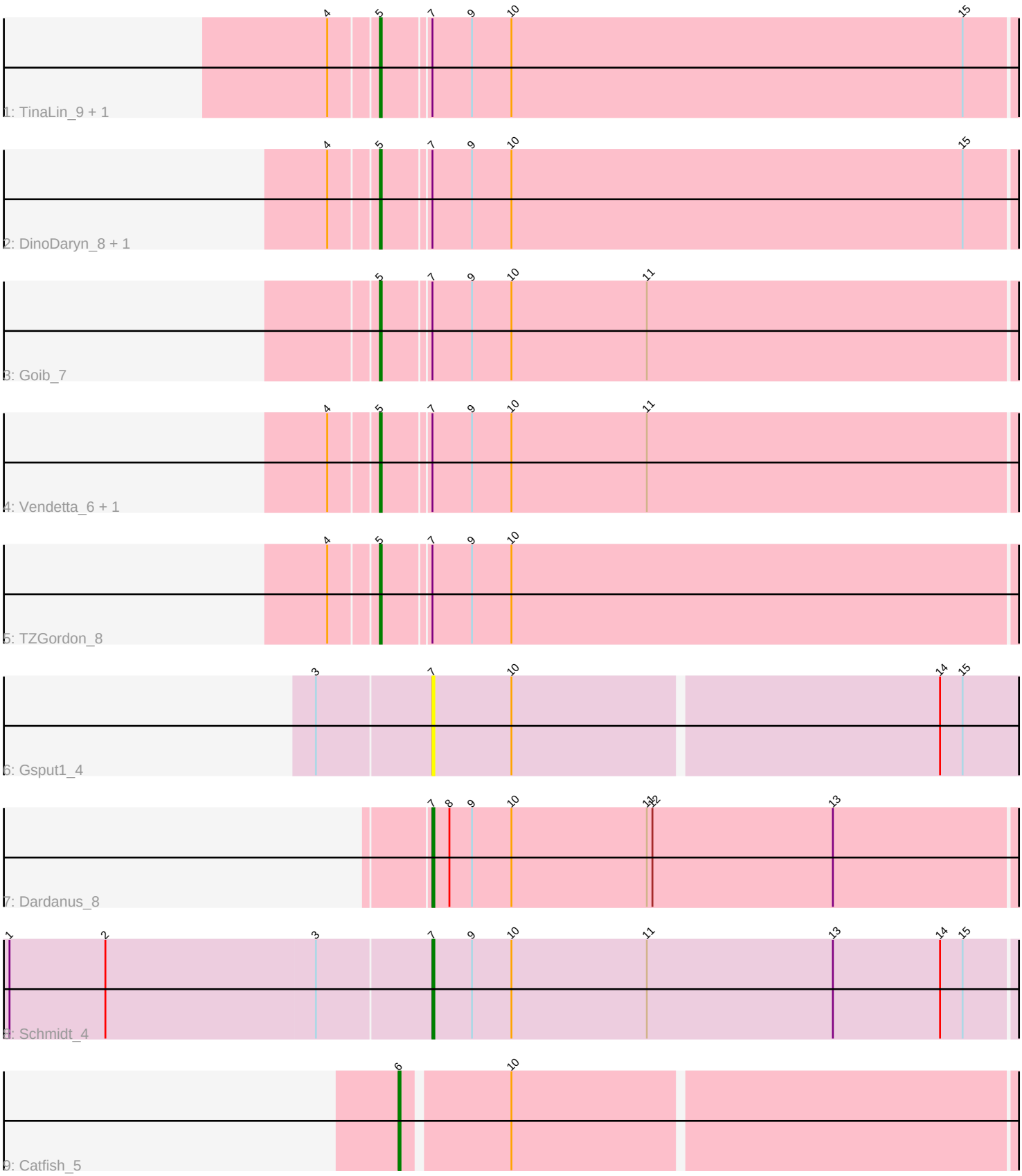
Pham 197000


4
5
7
9
10
15
1: TinaLin_9 + 1
4
5
7
9
10
15
2: DinoDaryn_8 + 1
5
7
9
10
11
3: Goib_7
4
5
7
9
10
11
4: Vendetta_6 + 1
4
5
7
9
10
5: TZGordon_8
3
7
10
14
15
6: Gsput1_4
7
8
9
10
11
12
13
7: Dardanus_8
1
2
3
7
9
10
11
13
14
15
8: Schmidt_4
6
10
9: Catfish_5

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 197000 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197000 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : TinaLin_9, Banquo_10
• Track 2 : DinoDaryn_8, Huffy_8
• Track 3 : Goib_7
• Track 4 : Vendetta_6, Splinter_6
• Track 5 : TZGordon_8
• Track 6 : Gsput1_4
• Track 7 : Dardanus_8
• Track 8 : Schmidt_4
• Track 9 : Catfish_5

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Banquo_10, DinoDaryn_8, Goib_7, Huffy_8, Splinter_6, TZGordon_8, TinaLin_9, Vendetta_6,

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

Genes that do not have the "Most Annotated" start:
• Catfish_5, Dardanus_8, Gsput1_4, Schmidt_4,

Summary by start number:

Start 5:
• Found in 8 of 12 (66.7%) 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: Banquo_10 (CU1), DinoDaryn_8 (CU1), Goib_7 (CU1), Huffy_8 (CU1), Splinter_6 (CU1), TZGordon_8 (CU1), TinaLin_9 (CU1), Vendetta_6 (CU1),

Start 6:
• Found in 1 of 12 (8.3%) 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: Catfish_5 (CU5),

Start 7:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Dardanus_8 (CU3), Gsput1_4 (CU2), Schmidt_4 (CU4),

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 5 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 7 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 7 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 6 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_10 Start: 4208, Stop: 4573, Start Num: 5
Candidate Starts for Banquo_10:
(4, 4184), (Start: 5 @4208 has 8 MA's), (Start: 7 @4232 has 2 MA's), (9, 4253), (10, 4274), (15, 4514),

Gene: Catfish_5 Start: 2214, Stop: 2552, Start Num: 6
Candidate Starts for Catfish_5:
(Start: 6 @2214 has 1 MA's), (10, 2268),

Gene: Dardanus_8 Start: 3256, Stop: 3600, Start Num: 7
Candidate Starts for Dardanus_8:
(Start: 7 @3256 has 2 MA's), (8, 3265), (9, 3277), (10, 3298), (11, 3370), (12, 3373), (13, 3469),

Gene: DinoDaryn_8 Start: 3297, Stop: 3662, Start Num: 5
Candidate Starts for DinoDaryn_8:
(4, 3273), (Start: 5 @3297 has 8 MA's), (Start: 7 @3321 has 2 MA's), (9, 3342), (10, 3363), (15, 3603),

Gene: Goib_7 Start: 3067, Stop: 3432, Start Num: 5
Candidate Starts for Goib_7:

(Start: 5 @3067 has 8 MA's), (Start: 7 @3091 has 2 MA's), (9, 3112), (10, 3133), (11, 3205),

Gene: Gsput1_4 Start: 1649, Stop: 1978, Start Num: 7
Candidate Starts for Gsput1_4:
(3, 1589), (Start: 7 @1649 has 2 MA's), (10, 1691), (14, 1913), (15, 1925),

Gene: Huffy_8 Start: 3297, Stop: 3662, Start Num: 5
Candidate Starts for Huffy_8:
(4, 3273), (Start: 5 @3297 has 8 MA's), (Start: 7 @3321 has 2 MA's), (9, 3342), (10, 3363), (15, 3603),

Gene: Schmidt_4 Start: 1599, Stop: 1931, Start Num: 7
Candidate Starts for Schmidt_4:
(1, 1377), (2, 1428), (3, 1539), (Start: 7 @1599 has 2 MA's), (9, 1620), (10, 1641), (11, 1713), (13, 1812), (14, 1869), (15, 1881),

Gene: Splinter_6 Start: 3067, Stop: 3432, Start Num: 5
Candidate Starts for Splinter_6:
(4, 3043), (Start: 5 @3067 has 8 MA's), (Start: 7 @3091 has 2 MA's), (9, 3112), (10, 3133), (11, 3205),

Gene: TZGordon_8 Start: 3212, Stop: 3577, Start Num: 5
Candidate Starts for TZGordon_8:
(4, 3188), (Start: 5 @3212 has 8 MA's), (Start: 7 @3236 has 2 MA's), (9, 3257), (10, 3278),

Gene: TinaLin_9 Start: 3831, Stop: 4196, Start Num: 5
Candidate Starts for TinaLin_9:
(4, 3807), (Start: 5 @3831 has 8 MA's), (Start: 7 @3855 has 2 MA's), (9, 3876), (10, 3897), (15, 4137),

Gene: Vendetta_6 Start: 3067, Stop: 3432, Start Num: 5
Candidate Starts for Vendetta_6:
(4, 3043), (Start: 5 @3067 has 8 MA's), (Start: 7 @3091 has 2 MA's), (9, 3112), (10, 3133), (11, 3205),