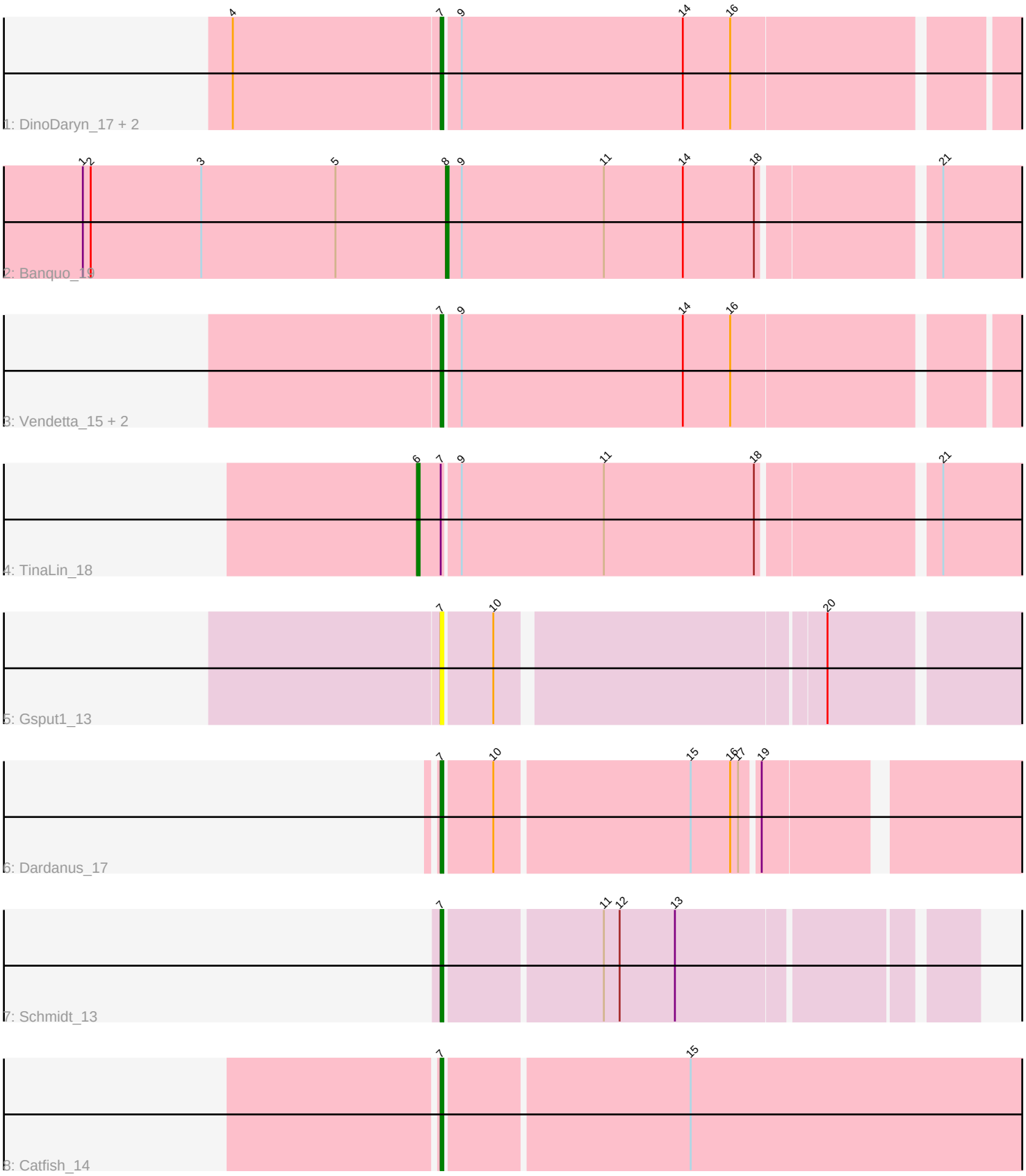
Pham 158288


4
7
9
14
16
1: DinoDaryn_17 + 2
12
3
5
8
9
11
14
18
21
2: Banquo_19
7
9
14
16
3: Vendetta_15 + 2
6
7
9
11
18
21
4: TinaLin_18
7
10
20
5: Gsput1_13
7
10
15
16
17
19
6: Dardanus_17
7
11
12
13
7: Schmidt_13
7
15
8: Catfish_14

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 158288 Report

This analysis was run 04/13/24 on database version 558.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 158288 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : DinoDaryn_17, Huffy_17, TZGordon_17
• Track 2 : Banquo_19
• Track 3 : Vendetta_15, Splinter_15, Goib_16
• Track 4 : TinaLin_18
• Track 5 : Gsput1_13
• Track 6 : Dardanus_17
• Track 7 : Schmidt_13
• Track 8 : Catfish_14

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catfish_14, Dardanus_17, DinoDaryn_17, Goib_16, Gsput1_13, Huffy_17, Schmidt_13, Splinter_15, TZGordon_17, Vendetta_15,

Genes that have the "Most Annotated" start but do not call it:
• TinaLin_18,

Genes that do not have the "Most Annotated" start:
• Banquo_19,

Summary by start number:

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: TinaLin_18 (CU1),

Start 7:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Catfish_14 (CU5), Dardanus_17 (CU3), DinoDaryn_17 (CU1), Goib_16 (CU1), Gsput1_13 (CU2), Huffy_17 (CU1), Schmidt_13 (CU4), Splinter_15 (CU1), TZGordon_17 (CU1), Vendetta_15 (CU1),

Start 8:
• 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: Banquo_19 (CU1),

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 6 was manually annotated 1 time for cluster CU1.
•Start number 7 was manually annotated 6 times for cluster CU1.
•Start number 8 was manually annotated 1 time 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 7 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_19 Start: 11130, Stop: 11342, Start Num: 8
Candidate Starts for Banquo_19:
(1, 10992), (2, 10995), (3, 11037), (5, 11088), (Start: 8 @11130 has 1 MA's), (9, 11136), (11, 11190), (14, 11220), (18, 11247), (21, 11310),

Gene: Catfish_14 Start: 9077, Stop: 9316, Start Num: 7
Candidate Starts for Catfish_14:
(Start: 7 @9077 has 9 MA's), (15, 9167),

Gene: Dardanus_17 Start: 10179, Stop: 10391, Start Num: 7
Candidate Starts for Dardanus_17:
(Start: 7 @10179 has 9 MA's), (10, 10197), (15, 10269), (16, 10284), (17, 10287), (19, 10293),

Gene: DinoDaryn_17 Start: 10264, Stop: 10476, Start Num: 7

Candidate Starts for DinoDaryn_17:
(4, 10186), (Start: 7 @10264 has 9 MA's), (9, 10270), (14, 10354), (16, 10372),

Gene: Goib_16 Start: 10039, Stop: 10251, Start Num: 7
Candidate Starts for Goib_16:
(Start: 7 @10039 has 9 MA's), (9, 10045), (14, 10129), (16, 10147),

Gene: Gsput1_13 Start: 8489, Stop: 8701, Start Num: 7
Candidate Starts for Gsput1_13:
(Start: 7 @8489 has 9 MA's), (10, 8507), (20, 8624),

Gene: Huffy_17 Start: 10264, Stop: 10476, Start Num: 7
Candidate Starts for Huffy_17:
(4, 10186), (Start: 7 @10264 has 9 MA's), (9, 10270), (14, 10354), (16, 10372),

Gene: Schmidt_13 Start: 8491, Stop: 8679, Start Num: 7
Candidate Starts for Schmidt_13:
(Start: 7 @8491 has 9 MA's), (11, 8548), (12, 8554), (13, 8575),

Gene: Splinter_15 Start: 10039, Stop: 10251, Start Num: 7
Candidate Starts for Splinter_15:
(Start: 7 @10039 has 9 MA's), (9, 10045), (14, 10129), (16, 10147),

Gene: TZGordon_17 Start: 10181, Stop: 10393, Start Num: 7
Candidate Starts for TZGordon_17:
(4, 10103), (Start: 7 @10181 has 9 MA's), (9, 10187), (14, 10271), (16, 10289),

Gene: TinaLin_18 Start: 10742, Stop: 10963, Start Num: 6
Candidate Starts for TinaLin_18:
(Start: 6 @10742 has 1 MA's), (Start: 7 @10751 has 9 MA's), (9, 10757), (11, 10811), (18, 10868),
(21, 10931),

Gene: Vendetta_15 Start: 10039, Stop: 10251, Start Num: 7
Candidate Starts for Vendetta_15:
(Start: 7 @10039 has 9 MA's), (9, 10045), (14, 10129), (16, 10147),