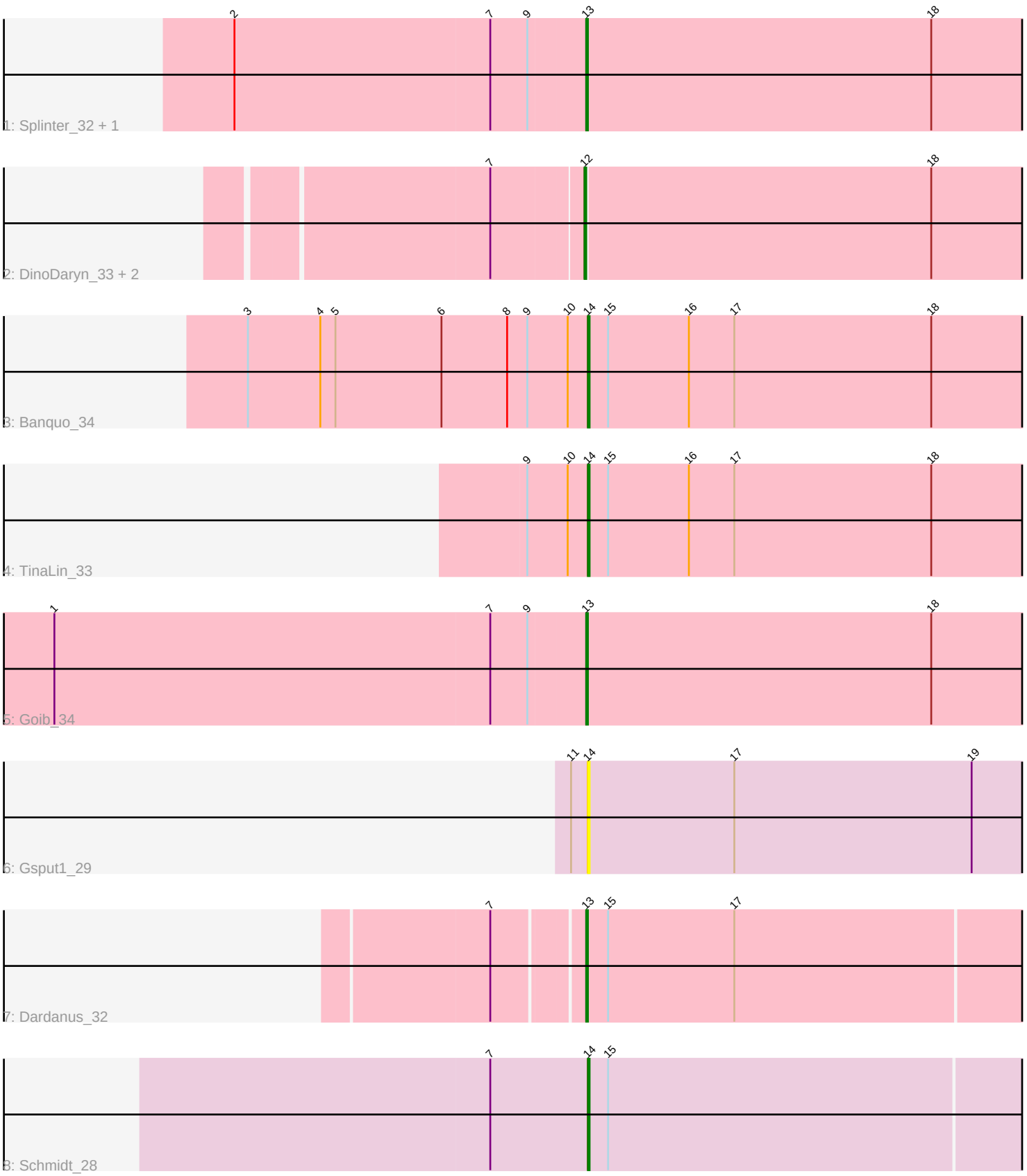
Pham 127028


2
7
9
13
18
1: Splinter_32 + 1
7
12
18
2: DinoDaryn_33 + 2
3
4
5
6
8
9
10
14
15
16
17
18
3: Banquo_34
9
10
14
15
16
17
18
4: TinaLin_33
1
7
9
13
18
5: Goib_34
11
14
17
19
6: Gsput1_29
7
13
15
17
7: Dardanus_32
7
14
15
8: Schmidt_28

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 127028 Report

This analysis was run 04/28/24 on database version 559.

Pham number 127028 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Splinter_32, Vendetta_32
• Track 2 : DinoDaryn_33, TZGordon_34, Huffy_33
• Track 3 : Banquo_34
• Track 4 : TinaLin_33
• Track 5 : Goib_34
• Track 6 : Gsput1_29
• Track 7 : Dardanus_32
• Track 8 : Schmidt_28

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dardanus_32, Goib_34, Splinter_32, Vendetta_32,

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

Genes that do not have the "Most Annotated" start:
• Banquo_34, DinoDaryn_33, Gsput1_29, Huffy_33, Schmidt_28, TZGordon_34, TinaLin_33,

Summary by start number:

Start 12:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DinoDaryn_33 (CU1), Huffy_33 (CU1), TZGordon_34 (CU1),

Start 13:

• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_32 (CU3), Goib_34 (CU1), Splinter_32 (CU1), Vendetta_32 (CU1),

Start 14:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_34 (CU1), Gsput1_29 (CU2), Schmidt_28 (CU4), TinaLin_33 (CU1),

Summary by clusters:

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

Info for manual annotations of cluster CU1:
•Start number 12 was manually annotated 3 times for cluster CU1.
•Start number 13 was manually annotated 3 times for cluster CU1.
•Start number 14 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 13 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 14 was manually annotated 1 time for cluster CU4.

Gene Information:

Gene: Banquo_34 Start: 24786, Stop: 24496, Start Num: 14
Candidate Starts for Banquo_34:
(3, 24987), (4, 24945), (5, 24936), (6, 24873), (8, 24834), (9, 24822), (10, 24798), (Start: 14 @24786 has 3 MA's), (15, 24774), (16, 24726), (17, 24699), (18, 24582),

Gene: Dardanus_32 Start: 24729, Stop: 24442, Start Num: 13
Candidate Starts for Dardanus_32:
(7, 24777), (Start: 13 @24729 has 4 MA's), (15, 24717), (17, 24642),

Gene: DinoDaryn_33 Start: 24667, Stop: 24377, Start Num: 12
Candidate Starts for DinoDaryn_33:
(7, 24718), (Start: 12 @24667 has 3 MA's), (18, 24463),

Gene: Goib_34 Start: 24789, Stop: 24499, Start Num: 13
Candidate Starts for Goib_34:
(1, 25101), (7, 24843), (9, 24822), (Start: 13 @24789 has 4 MA's), (18, 24585),

Gene: Gsput1_29 Start: 24849, Stop: 24547, Start Num: 14
Candidate Starts for Gsput1_29:
(11, 24858), (Start: 14 @24849 has 3 MA's), (17, 24762), (19, 24621),

Gene: Huffy_33 Start: 24667, Stop: 24377, Start Num: 12
Candidate Starts for Huffy_33:
(7, 24718), (Start: 12 @24667 has 3 MA's), (18, 24463),

Gene: Schmidt_28 Start: 21959, Stop: 21672, Start Num: 14
Candidate Starts for Schmidt_28:
(7, 22016), (Start: 14 @21959 has 3 MA's), (15, 21947),

Gene: Splinter_32 Start: 24782, Stop: 24492, Start Num: 13
Candidate Starts for Splinter_32:
(2, 24986), (7, 24836), (9, 24815), (Start: 13 @24782 has 4 MA's), (18, 24578),

Gene: TZGordon_34 Start: 24590, Stop: 24300, Start Num: 12
Candidate Starts for TZGordon_34:
(7, 24641), (Start: 12 @24590 has 3 MA's), (18, 24386),

Gene: TinaLin_33 Start: 24463, Stop: 24173, Start Num: 14
Candidate Starts for TinaLin_33:
(9, 24499), (10, 24475), (Start: 14 @24463 has 3 MA's), (15, 24451), (16, 24403), (17, 24376), (18, 24259),

Gene: Vendetta_32 Start: 24782, Stop: 24492, Start Num: 13
Candidate Starts for Vendetta_32:
(2, 24986), (7, 24836), (9, 24815), (Start: 13 @24782 has 4 MA's), (18, 24578),