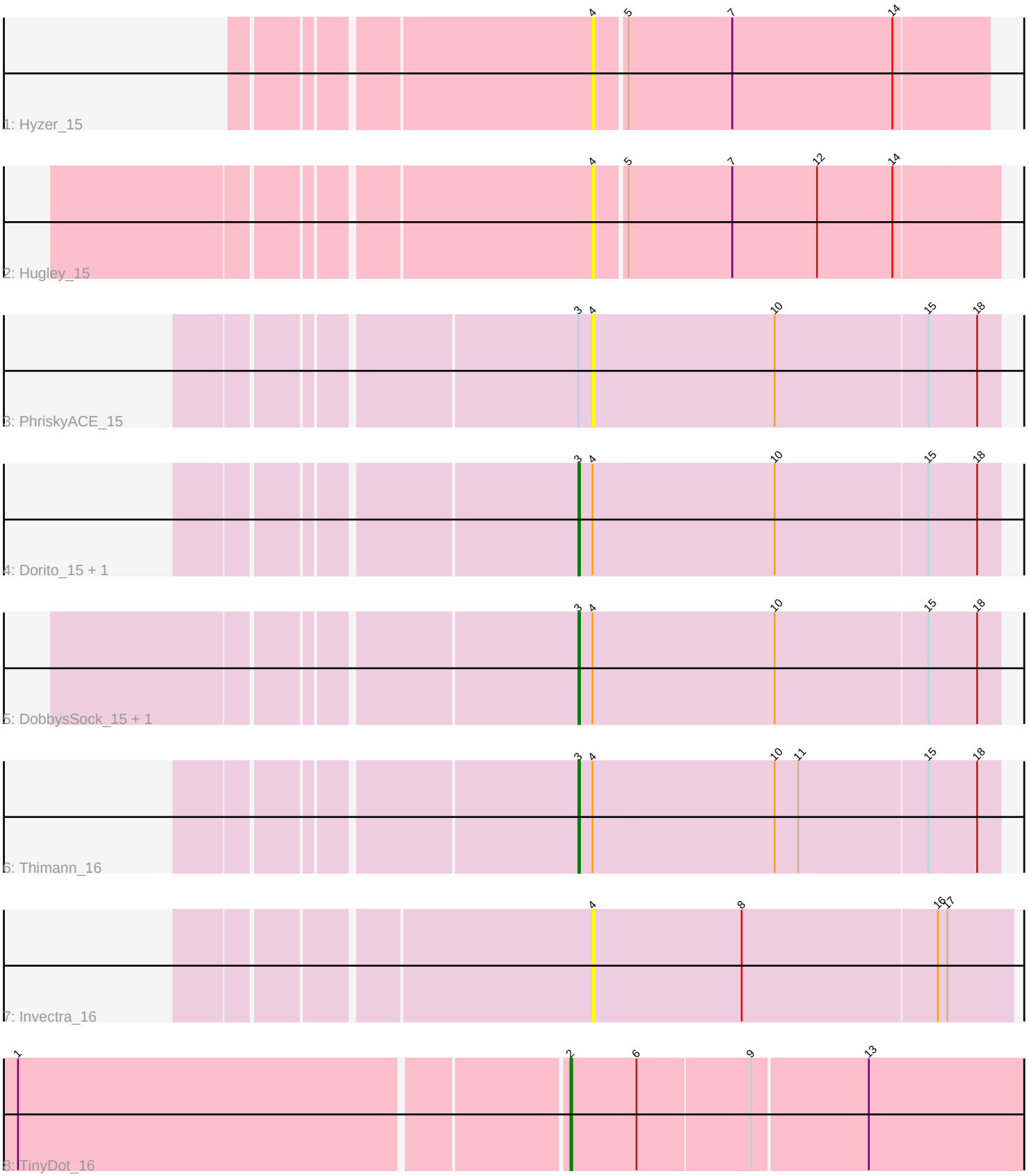
Pham 222022


4
5
7
14
1: Hyzer_15
4
5
7
12
14
2: Hugley_15
3
4
10
15
18
3: PhriskyACE_15
3
4
10
15
18
4: Dorito_15 + 1
3
4
10
15
18
5: DobbysSock_15 + 1
3
4
10
11
15
18
6: Thimann_16
4
8
16
17
7: Invectra_16
1
2
6
9
13
8: TinyDot_16

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 222022 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222022 has 10 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Hyzer_15
• Track 2 : Hugley_15
• Track 3 : PhriskyACE_15
• Track 4 : Dorito_15, Annalisa_16
• Track 5 : DobbysSock_15, WinkNick_16
• Track 6 : Thimann_16
• Track 7 : Invectra_16
• Track 8 : TinyDot_16

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annalisa_16, DobbysSock_15, Dorito_15, Thimann_16, WinkNick_16,

Genes that have the "Most Annotated" start but do not call it:
• PhriskyACE_15,

Genes that do not have the "Most Annotated" start:
• Hugley_15, Hyzer_15, Invectra_16, TinyDot_16,

Summary by start number:

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TinyDot_16 (singleton),

Start 3:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 5 of 6

• Called 83.3% of time when present
• Phage (with cluster) where this start called: Annalisa_16 (CZ4), DobbysSock_15 (CZ4), Dorito_15 (CZ4), Thimann_16 (CZ4), WinkNick_16 (CZ4),

Start 4:
• Found in 9 of 10 (90.0%) of genes in pham
• No Manual Annotations of this start.
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Hugley_15 (CZ1), Hyzer_15 (CZ1), Invectra_16 (CZ4), PhriskyACE_15 (CZ4),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CZ1, CZ4,

Info for manual annotations of cluster CZ4:
•Start number 3 was manually annotated 5 times for cluster CZ4.

Gene Information:

Gene: Annalisa_16 Start: 9500, Stop: 9763, Start Num: 3
Candidate Starts for Annalisa_16:
(Start: 3 @9500 has 5 MA's), (4, 9509), (10, 9623), (15, 9719), (18, 9749),

Gene: DobbysSock_15 Start: 8983, Stop: 9246, Start Num: 3
Candidate Starts for DobbysSock_15:
(Start: 3 @8983 has 5 MA's), (4, 8992), (10, 9106), (15, 9202), (18, 9232),

Gene: Dorito_15 Start: 8982, Stop: 9245, Start Num: 3
Candidate Starts for Dorito_15:
(Start: 3 @8982 has 5 MA's), (4, 8991), (10, 9105), (15, 9201), (18, 9231),

Gene: Hugley_15 Start: 9938, Stop: 10189, Start Num: 4
Candidate Starts for Hugley_15:
(4, 9938), (5, 9956), (7, 10022), (12, 10076), (14, 10124),

Gene: Hyzer_15 Start: 9938, Stop: 10183, Start Num: 4
Candidate Starts for Hyzer_15:
(4, 9938), (5, 9956), (7, 10022), (14, 10124),

Gene: Invectra_16 Start: 9499, Stop: 9762, Start Num: 4
Candidate Starts for Invectra_16:
(4, 9499), (8, 9592), (16, 9715), (17, 9721),

Gene: PhriskyACE_15 Start: 8991, Stop: 9245, Start Num: 4
Candidate Starts for PhriskyACE_15:
(Start: 3 @8982 has 5 MA's), (4, 8991), (10, 9105), (15, 9201), (18, 9231),

Gene: Thimann_16 Start: 9470, Stop: 9733, Start Num: 3
Candidate Starts for Thimann_16:

(Start: 3 @9470 has 5 MA's), (4, 9479), (10, 9593), (11, 9608), (15, 9689), (18, 9719),

Gene: TinyDot_16 Start: 9865, Stop: 10149, Start Num: 2
Candidate Starts for TinyDot_16:
(1, 9526), (Start: 2 @9865 has 1 MA's), (6, 9907), (9, 9976), (13, 10048),

Gene: WinkNick_16 Start: 9485, Stop: 9748, Start Num: 3
Candidate Starts for WinkNick_16:
(Start: 3 @9485 has 5 MA's), (4, 9494), (10, 9608), (15, 9704), (18, 9734),