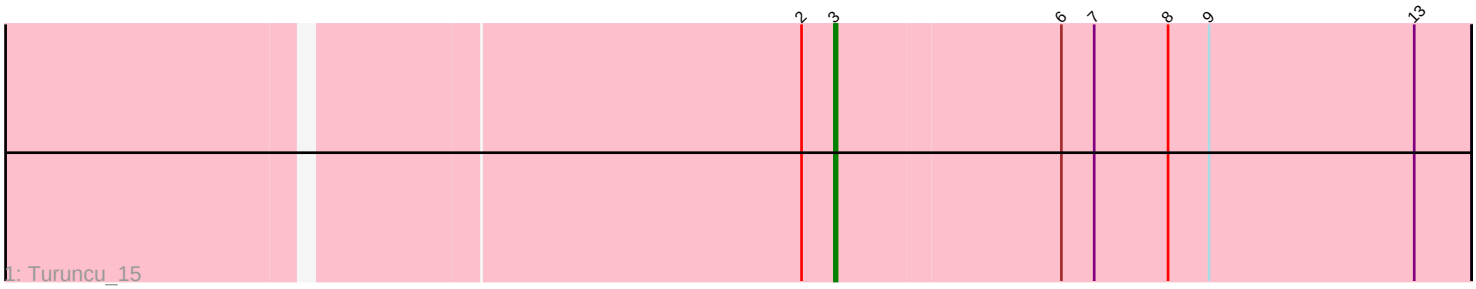
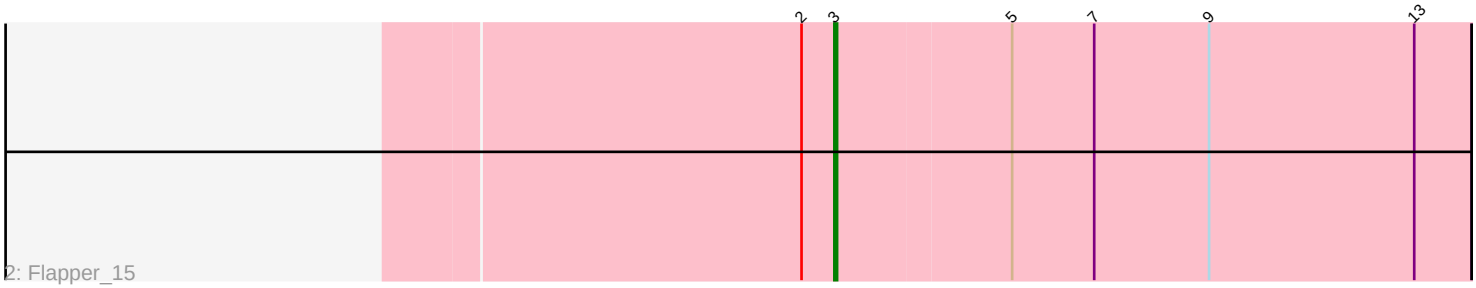
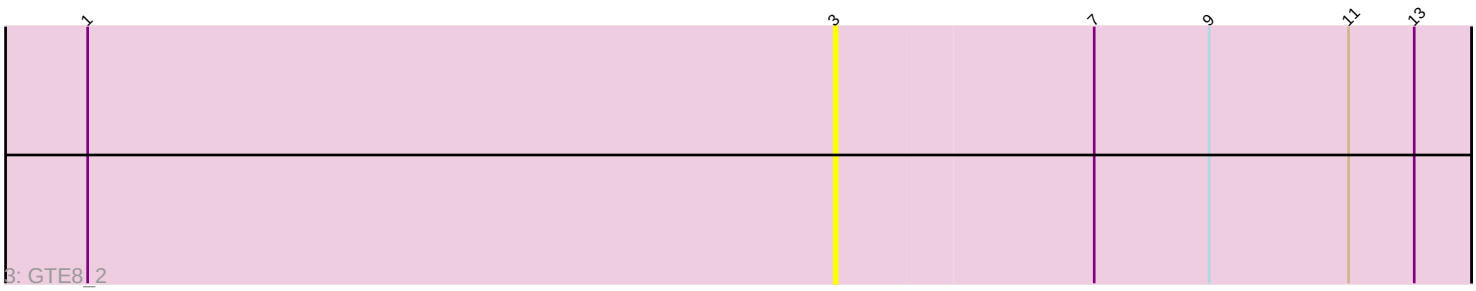
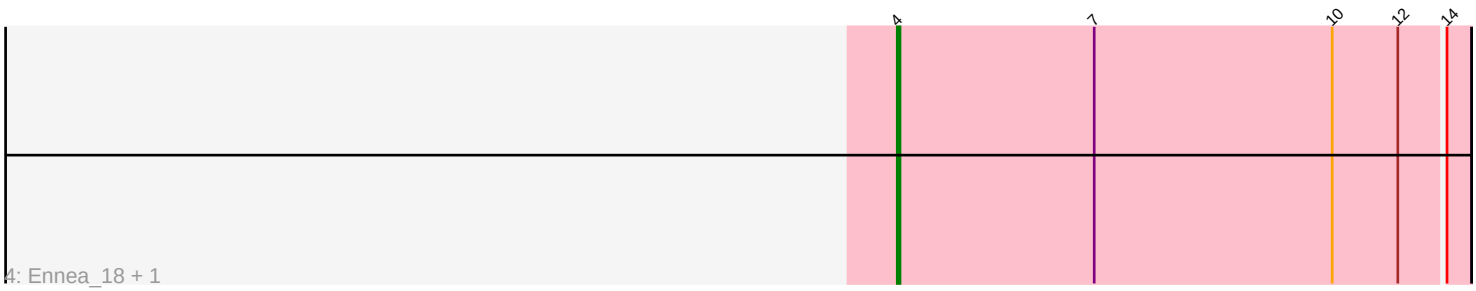
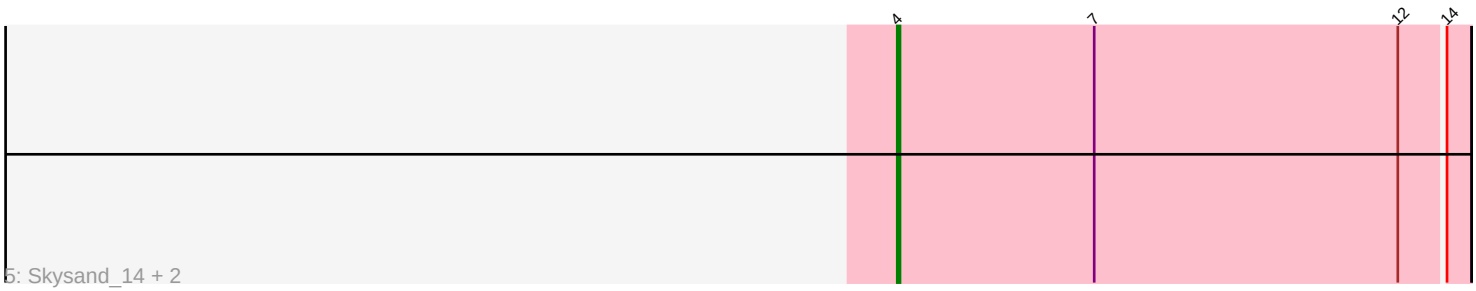
Pham 6609


2
3
6
7
8
9
13
1: Turuncu_15


2
3
5
7
9
13
2: Flapper_15


1
3
7
9
11
13
3: GTE8_2


4
7
10
12
14
4: Ennea_18 + 1


4
7
12
14
5: Skysand_14 + 2

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 6609 Report

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

Pham number 6609 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Turuncu_15
• Track 2 : Flapper_15
• Track 3 : GTE8_2
• Track 4 : Ennea_18, Lollipop1437_17
• Track 5 : Skysand_14, Float294_14, Patio_15

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ennea_18, Float294_14, Lollipop1437_17, Patio_15, Skysand_14,

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

Genes that do not have the "Most Annotated" start:
• Flapper_15, GTE8_2, Turuncu_15,

Summary by start number:

Start 3:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Flapper_15 (CR1), GTE8_2 (CR2), Turuncu_15 (CR1),

Start 4:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ennea_18 (CR3), Float294_14 (CR3), Lollipop1437_17 (CR3), Patio_15 (CR3), Skysand_14 (CR3),

Summary by clusters:

There are 3 clusters represented in this pham: CR2, CR3, CR1,

Info for manual annotations of cluster CR1:
•Start number 3 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR3:
•Start number 4 was manually annotated 5 times for cluster CR3.

Gene Information:

Gene: Ennea_18 Start: 8776, Stop: 8982, Start Num: 4
Candidate Starts for Ennea_18:
(Start: 4 @8776 has 5 MA's), (7, 8848), (10, 8935), (12, 8959), (14, 8974),

Gene: Flapper_15 Start: 7424, Stop: 7654, Start Num: 3
Candidate Starts for Flapper_15:
(2, 7412), (Start: 3 @7424 has 2 MA's), (5, 7487), (7, 7517), (9, 7559), (13, 7634),

Gene: Float294_14 Start: 7325, Stop: 7531, Start Num: 4
Candidate Starts for Float294_14:
(Start: 4 @7325 has 5 MA's), (7, 7397), (12, 7508), (14, 7523),

Gene: GTE8_2 Start: 515, Stop: 745, Start Num: 3
Candidate Starts for GTE8_2:
(1, 242), (Start: 3 @515 has 2 MA's), (7, 608), (9, 650), (11, 701), (13, 725),

Gene: Lollipop1437_17 Start: 8764, Stop: 8970, Start Num: 4
Candidate Starts for Lollipop1437_17:
(Start: 4 @8764 has 5 MA's), (7, 8836), (10, 8923), (12, 8947), (14, 8962),

Gene: Patio_15 Start: 8001, Stop: 8207, Start Num: 4
Candidate Starts for Patio_15:
(Start: 4 @8001 has 5 MA's), (7, 8073), (12, 8184), (14, 8199),

Gene: Skysand_14 Start: 7327, Stop: 7533, Start Num: 4
Candidate Starts for Skysand_14:
(Start: 4 @7327 has 5 MA's), (7, 7399), (12, 7510), (14, 7525),

Gene: Turuncu_15 Start: 6942, Stop: 7172, Start Num: 3
Candidate Starts for Turuncu_15:
(2, 6930), (Start: 3 @6942 has 2 MA's), (6, 7023), (7, 7035), (8, 7062), (9, 7077), (13, 7152),