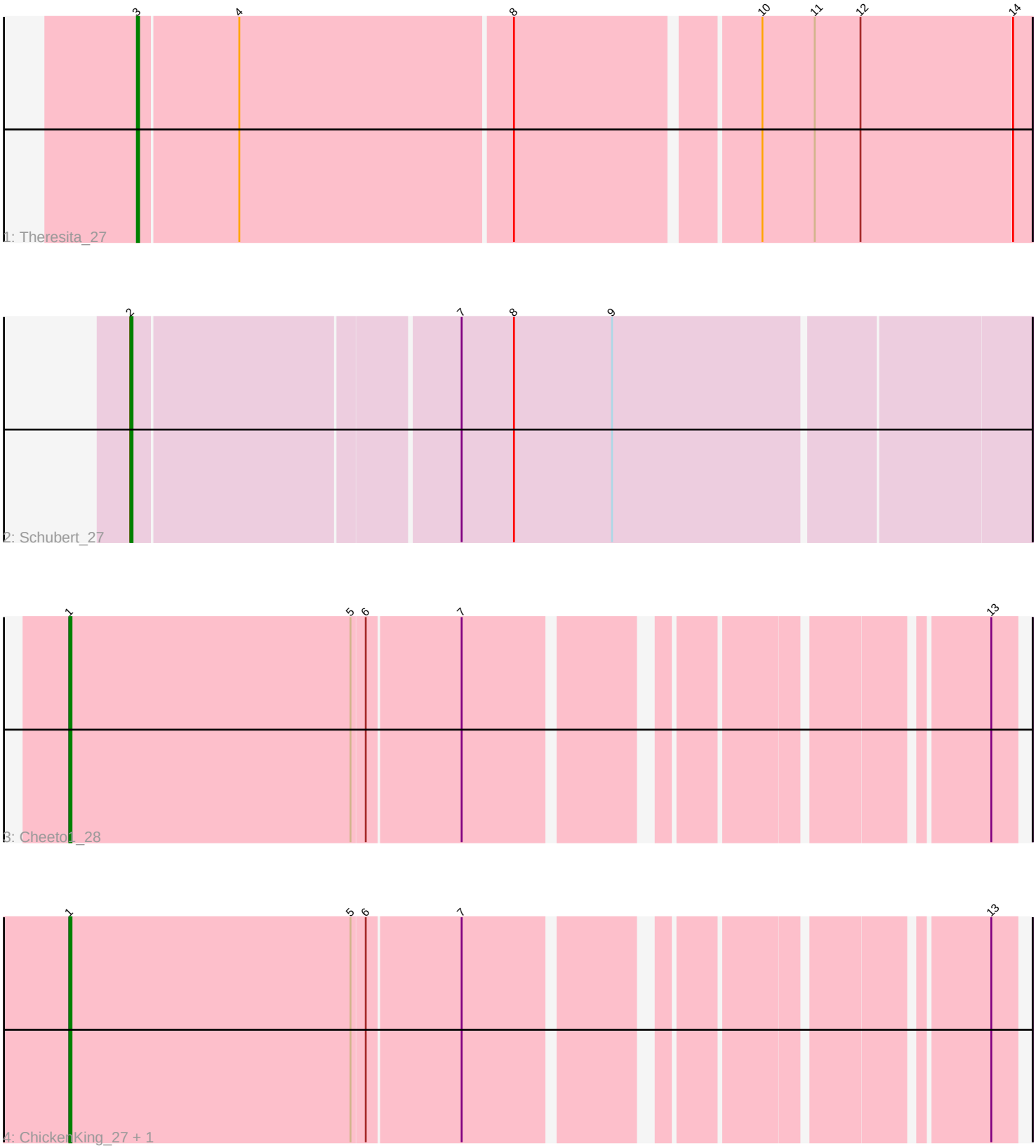
Pham 8850


3
4
8
10
11
12
14
1: Theresita_27
2
7
8
9
2: Schubert_27
1
5
6
7
13
3: Cheetoi_28
1
5
6
7
13
4: ChickenKing_27 + 1

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 8850 Report

This analysis was run 04/22/24 on database version 561.

Pham number 8850 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Theresita_27
• Track 2 : Schubert_27
• Track 3 : Cheeto1_28
• Track 4 : ChickenKing_27, GaeCeo_28

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cheeto1_28, ChickenKing_27, GaeCeo_28,

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

Genes that do not have the "Most Annotated" start:
• Schubert_27, Theresita_27,

Summary by start number:

Start 1:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cheeto1_28 (EA9), ChickenKing_27 (EA9), GaeCeo_28 (EA9),

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schubert_27 (EA8),

Start 3:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Theresita_27 (EA7),

Summary by clusters:

There are 3 clusters represented in this pham: EA9, EA8, EA7,

Info for manual annotations of cluster EA7:
•Start number 3 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:
•Start number 2 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:
•Start number 1 was manually annotated 3 times for cluster EA9.

Gene Information:

Gene: Cheeto1_28 Start: 20319, Stop: 20714, Start Num: 1
Candidate Starts for Cheeto1_28:
(Start: 1 @20319 has 3 MA's), (5, 20448), (6, 20454), (7, 20496), (13, 20703),

Gene: ChickenKing_27 Start: 20217, Stop: 20612, Start Num: 1
Candidate Starts for ChickenKing_27:
(Start: 1 @20217 has 3 MA's), (5, 20346), (6, 20352), (7, 20394), (13, 20601),

Gene: GaeCeo_28 Start: 20390, Stop: 20785, Start Num: 1
Candidate Starts for GaeCeo_28:
(Start: 1 @20390 has 3 MA's), (5, 20519), (6, 20525), (7, 20567), (13, 20774),

Gene: Schubert_27 Start: 20477, Stop: 20875, Start Num: 2
Candidate Starts for Schubert_27:
(Start: 2 @20477 has 1 MA's), (7, 20621), (8, 20645), (9, 20690),

Gene: Theresita_27 Start: 20010, Stop: 20405, Start Num: 3
Candidate Starts for Theresita_27:
(Start: 3 @20010 has 1 MA's), (4, 20055), (8, 20178), (10, 20283), (11, 20307), (12, 20328), (14, 20397),