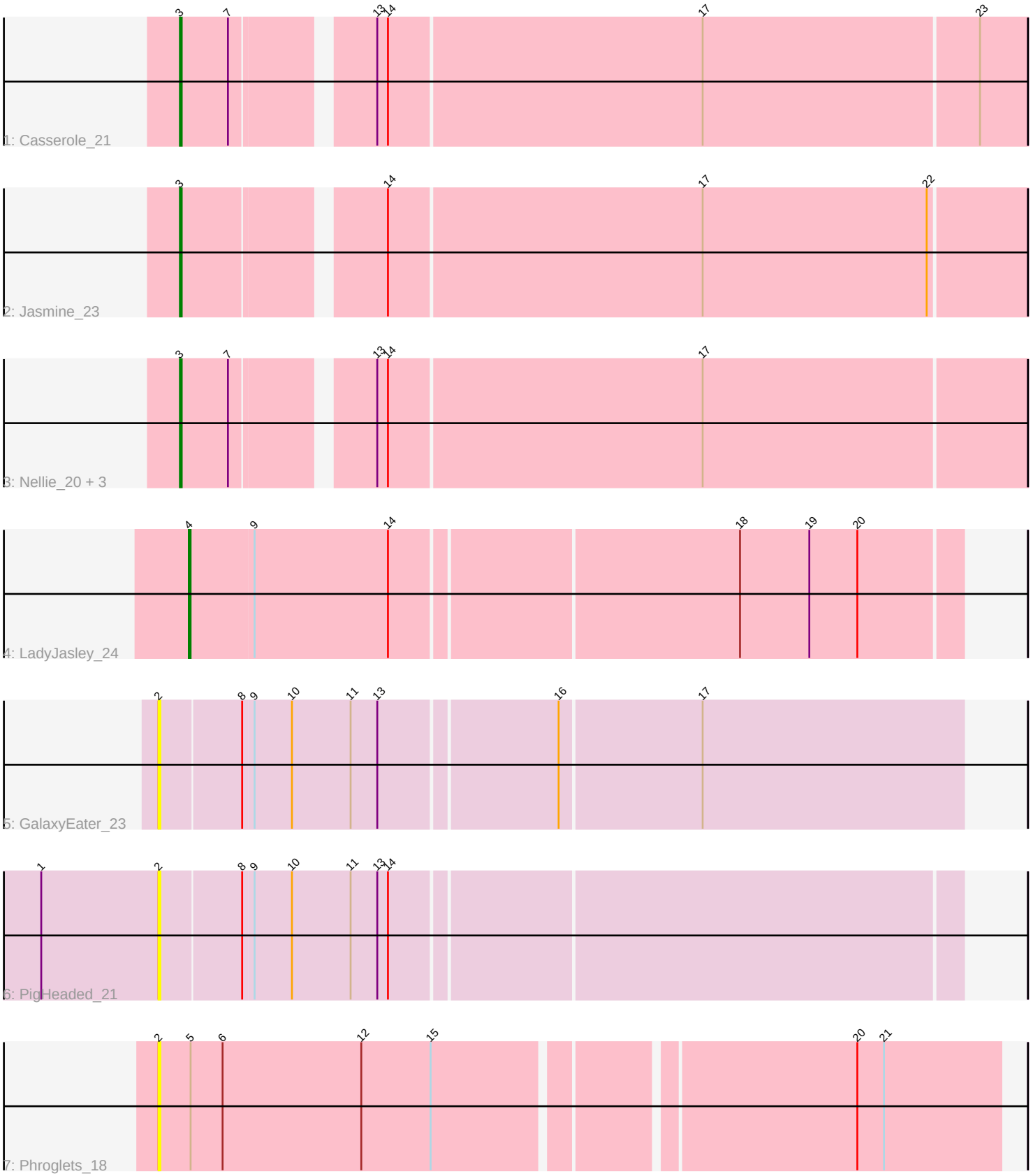
Pham 278848


3
7
13
14
17
23
1: Casserole_21
3
14
17
22
2: Jasmine_23
3
7
13
14
17
3: Nellie_20 + 3
4
9
14
18
19
20
4: LadyJasley_24
2
8
9
10
11
13
16
17
5: GalaxyEater_23
1
2
8
9
10
11
13
14
6: PigHeaded_21
2
5
6
12
15
20
21
7: Phroglets_18

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 278848 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278848 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Casserole_21
• Track 2 : Jasmine_23
• Track 3 : Nellie_20, Adat_20, Brad_20, GurgleFerb_20
• Track 4 : LadyJasley_24
• Track 5 : GalaxyEater_23
• Track 6 : PigHeaded_21
• Track 7 : Phroglets_18

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adat_20, Brad_20, Casserole_21, GurgleFerb_20, Jasmine_23, Nellie_20,

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

Genes that do not have the "Most Annotated" start:
• GalaxyEater_23, LadyJasley_24, Phroglets_18, PigHeaded_21,

Summary by start number:

Start 2:
• Found in 3 of 10 (30.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GalaxyEater_23 (UNK), Phroglets_18 (singleton), PigHeaded_21 (UNK),

Start 3:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 6 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_20 (AV), Brad_20 (AV), Casserole_21 (AV), GurgleFerb_20 (AV), Jasmine_23 (AV), Nellie_20 (AV),

Start 4:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LadyJasley_24 (AV),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, UNK, AV,

Info for manual annotations of cluster AV:
•Start number 3 was manually annotated 6 times for cluster AV.
•Start number 4 was manually annotated 1 time for cluster AV.

Gene Information:

Gene: Adat_20 Start: 14996, Stop: 15451, Start Num: 3
Candidate Starts for Adat_20:
(Start: 3 @14996 has 6 MA's), (7, 15023), (13, 15092), (14, 15098), (17, 15272),

Gene: Brad_20 Start: 14994, Stop: 15449, Start Num: 3
Candidate Starts for Brad_20:
(Start: 3 @14994 has 6 MA's), (7, 15021), (13, 15090), (14, 15096), (17, 15270),

Gene: Casserole_21 Start: 16284, Stop: 16739, Start Num: 3
Candidate Starts for Casserole_21:
(Start: 3 @16284 has 6 MA's), (7, 16311), (13, 16380), (14, 16386), (17, 16560), (23, 16713),

Gene: GalaxyEater_23 Start: 16197, Stop: 16637, Start Num: 2
Candidate Starts for GalaxyEater_23:
(2, 16197), (8, 16242), (9, 16248), (10, 16269), (11, 16302), (13, 16317), (16, 16413), (17, 16491),

Gene: GurgleFerb_20 Start: 14995, Stop: 15450, Start Num: 3
Candidate Starts for GurgleFerb_20:
(Start: 3 @14995 has 6 MA's), (7, 15022), (13, 15091), (14, 15097), (17, 15271),

Gene: Jasmine_23 Start: 16882, Stop: 17337, Start Num: 3
Candidate Starts for Jasmine_23:
(Start: 3 @16882 has 6 MA's), (14, 16984), (17, 17158), (22, 17284),

Gene: LadyJasley_24 Start: 15238, Stop: 15660, Start Num: 4
Candidate Starts for LadyJasley_24:
(Start: 4 @15238 has 1 MA's), (9, 15274), (14, 15349), (18, 15538), (19, 15577), (20, 15604),

Gene: Nellie_20 Start: 14996, Stop: 15451, Start Num: 3
Candidate Starts for Nellie_20:

(Start: 3 @14996 has 6 MA's), (7, 15023), (13, 15092), (14, 15098), (17, 15272),

Gene: Phroglets_18 Start: 15184, Stop: 15639, Start Num: 2
Candidate Starts for Phroglets_18:
(2, 15184), (5, 15202), (6, 15220), (12, 15298), (15, 15337), (20, 15559), (21, 15574),

Gene: PigHeaded_21 Start: 14529, Stop: 14966, Start Num: 2
Candidate Starts for PigHeaded_21:
(1, 14463), (2, 14529), (8, 14574), (9, 14580), (10, 14601), (11, 14634), (13, 14649), (14, 14655),