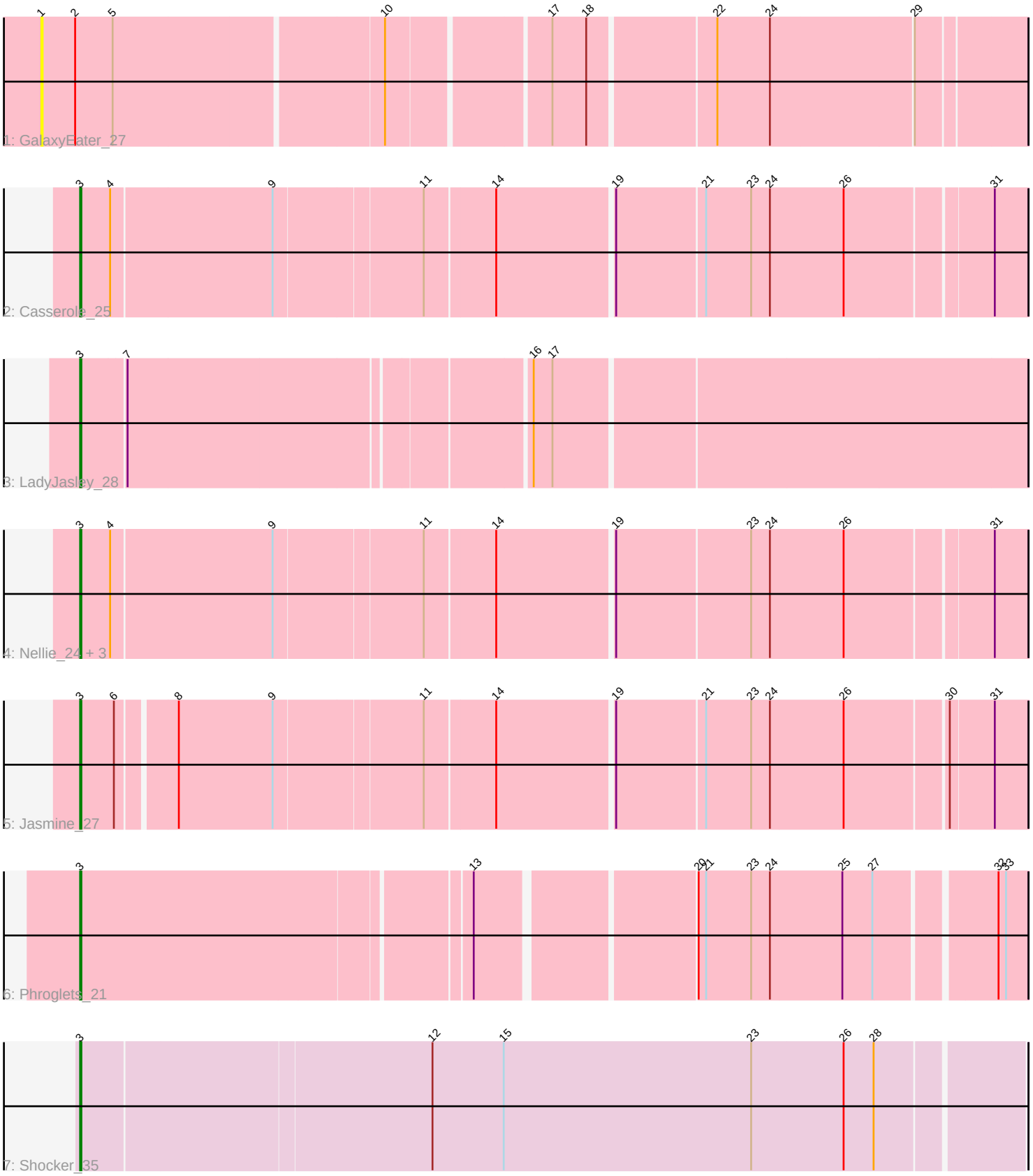
Pham 309804


1
2
5
10
17
18
22
24
29
1: GalaxyEater_27
3
4
9
11
14
19
21
23
24
26
31
2: Casserole_25
3
7
16
17
3: LadyJasley_28
3
4
9
11
14
19
23
24
26
31
4: Nellie_24 + 3
3
6
8
9
11
14
19
21
23
24
26
30
31
5: Jasmine_27
3
13
20
21
23
24
25
27
32
33
6: Phroglets_21
3
12
15
23
26
28
7: Shocker_35

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 309804 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309804 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GalaxyEater_27
• Track 2 : Casserole_25
• Track 3 : LadyJasley_28
• Track 4 : Nellie_24, Adat_24, Brad_24, GurgleFerb_24
• Track 5 : Jasmine_27
• Track 6 : Phroglets_21
• Track 7 : Shocker_35

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adat_24, Brad_24, Casserole_25, GurgleFerb_24, Jasmine_27, LadyJasley_28, Nellie_24, Phroglets_21, Shocker_35,

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

Genes that do not have the "Most Annotated" start:
• GalaxyEater_27,

Summary by start number:

Start 1:
• Found in 1 of 10 (10.0%) 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_27 (AV),

Start 3:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 9 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_24 (AV), Brad_24 (AV), Casserole_25 (AV), GurgleFerb_24 (AV), Jasmine_27 (AV), LadyJasley_28 (AV), Nellie_24 (AV), Phroglets_21 (AV), Shocker_35 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, AV,

Info for manual annotations of cluster AV:
•Start number 3 was manually annotated 8 times for cluster AV.

Gene Information:

Gene: Adat_24 Start: 18463, Stop: 19185, Start Num: 3
Candidate Starts for Adat_24:
(Start: 3 @18463 has 9 MA's), (4, 18487), (9, 18613), (11, 18727), (14, 18781), (19, 18871), (23, 18976), (24, 18991), (26, 19048), (31, 19159),

Gene: Brad_24 Start: 18461, Stop: 19183, Start Num: 3
Candidate Starts for Brad_24:
(Start: 3 @18461 has 9 MA's), (4, 18485), (9, 18611), (11, 18725), (14, 18779), (19, 18869), (23, 18974), (24, 18989), (26, 19046), (31, 19157),

Gene: Casserole_25 Start: 19751, Stop: 20473, Start Num: 3
Candidate Starts for Casserole_25:
(Start: 3 @19751 has 9 MA's), (4, 19775), (9, 19901), (11, 20015), (14, 20069), (19, 20159), (21, 20228), (23, 20264), (24, 20279), (26, 20336), (31, 20447),

Gene: GalaxyEater_27 Start: 19613, Stop: 20356, Start Num: 1
Candidate Starts for GalaxyEater_27:
(1, 19613), (2, 19640), (5, 19670), (10, 19877), (17, 19997), (18, 20024), (22, 20120), (24, 20162), (29, 20273),

Gene: GurgleFerb_24 Start: 18462, Stop: 19184, Start Num: 3
Candidate Starts for GurgleFerb_24:
(Start: 3 @18462 has 9 MA's), (4, 18486), (9, 18612), (11, 18726), (14, 18780), (19, 18870), (23, 18975), (24, 18990), (26, 19047), (31, 19158),

Gene: Jasmine_27 Start: 20346, Stop: 21062, Start Num: 3
Candidate Starts for Jasmine_27:
(Start: 3 @20346 has 9 MA's), (6, 20373), (8, 20415), (9, 20490), (11, 20604), (14, 20658), (19, 20748), (21, 20817), (23, 20853), (24, 20868), (26, 20925), (30, 21003), (31, 21036),

Gene: LadyJasley_28 Start: 18626, Stop: 19345, Start Num: 3
Candidate Starts for LadyJasley_28:
(Start: 3 @18626 has 9 MA's), (7, 18659), (16, 18962), (17, 18977),

Gene: Nellie_24 Start: 18463, Stop: 19185, Start Num: 3
Candidate Starts for Nellie_24:

(Start: 3 @18463 has 9 MA's), (4, 18487), (9, 18613), (11, 18727), (14, 18781), (19, 18871), (23, 18976), (24, 18991), (26, 19048), (31, 19159),

Gene: Phroglets_21 Start: 18624, Stop: 19331, Start Num: 3
Candidate Starts for Phroglets_21:
(Start: 3 @18624 has 9 MA's), (13, 18921), (20, 19083), (21, 19089), (23, 19125), (24, 19140), (25, 19197), (27, 19221), (32, 19308), (33, 19314),

Gene: Shocker_35 Start: 21434, Stop: 22168, Start Num: 3
Candidate Starts for Shocker_35:
(Start: 3 @21434 has 9 MA's), (12, 21707), (15, 21764), (23, 21962), (26, 22034), (28, 22058),