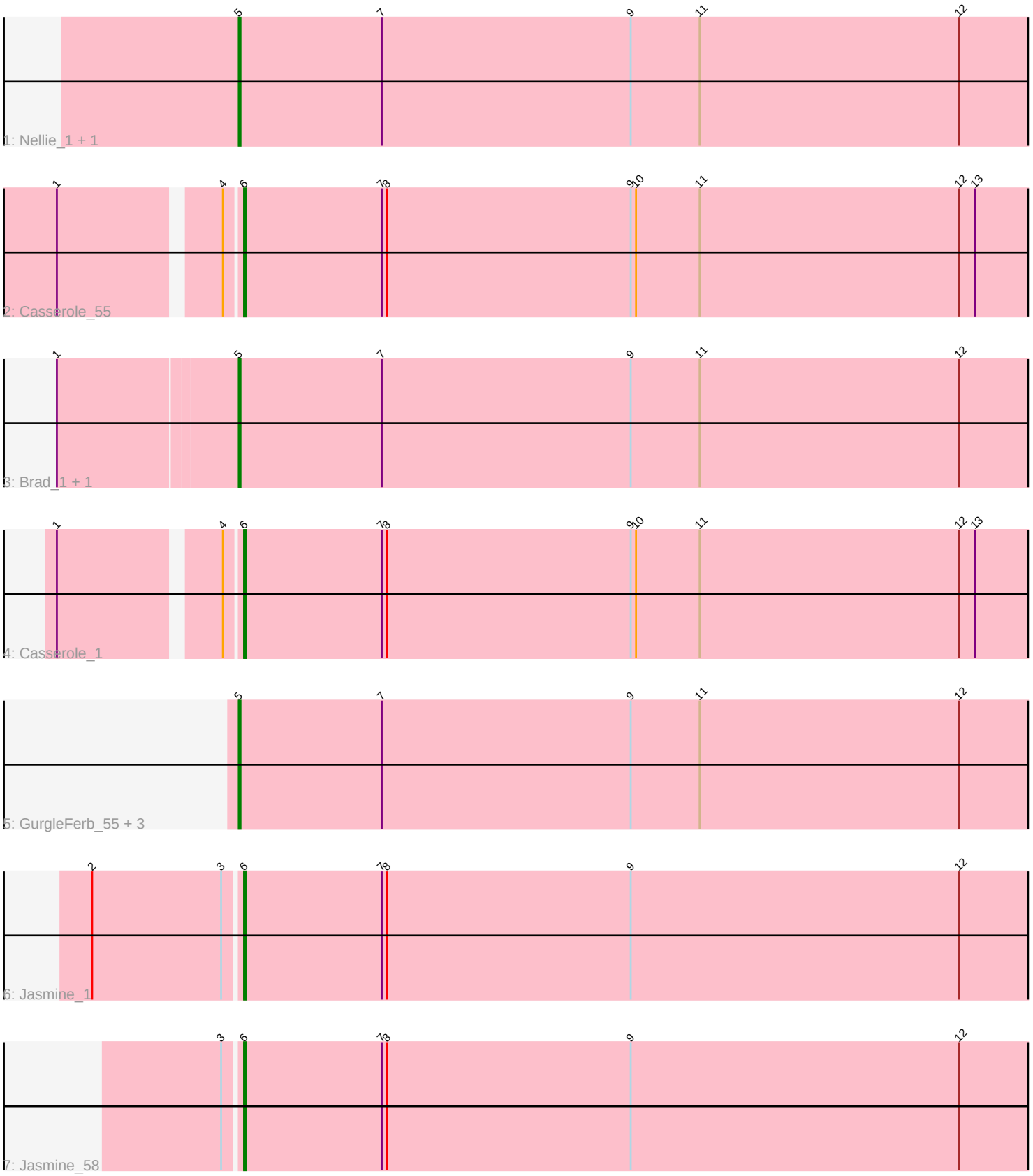
Pham 4984


5
7
9
11
12
1: Nellie_1 + 1
1
4
6
8
10
11
12
13
2: Casserole_55
1
5
7
9
11
12
3: Brad_1 + 1
1
4
6
8
10
11
12
13
4: Casserole_1
5
7
9
11
12
5: GurgleFerb_55 + 3
2
3
6
8
9
12
6: Jasmine_1
3
6
8
9
12
7: Jasmine_58

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 4984 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4984 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nellie_1, Adat_1
• Track 2 : Casserole_55
• Track 3 : Brad_1, GurgleFerb_1
• Track 4 : Casserole_1
• Track 5 : GurgleFerb_55, Brad_55, Nellie_55, Adat_55
• Track 6 : Jasmine_1
• Track 7 : Jasmine_58

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adat_1, Adat_55, Brad_1, Brad_55, GurgleFerb_1, GurgleFerb_55, Nellie_1, Nellie_55,

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

Genes that do not have the "Most Annotated" start:
• Casserole_1, Casserole_55, Jasmine_1, Jasmine_58,

Summary by start number:

Start 5:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 8 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_1 (AV), Adat_55 (AV), Brad_1 (AV), Brad_55 (AV), GurgleFerb_1 (AV), GurgleFerb_55 (AV), Nellie_1 (AV), Nellie_55 (AV),

Start 6:

• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Casserole_1 (AV), Casserole_55 (AV), Jasmine_1 (AV), Jasmine_58 (AV),

Summary by clusters:

There is one cluster represented in this pham: AV

Info for manual annotations of cluster AV:
•Start number 5 was manually annotated 8 times for cluster AV.
•Start number 6 was manually annotated 4 times for cluster AV.

Gene Information:

Gene: Adat_1 Start: 934, Stop: 377, Start Num: 5
Candidate Starts for Adat_1:
(Start: 5 @934 has 8 MA's), (7, 853), (9, 712), (11, 673), (12, 526),

Gene: Adat_55 Start: 44811, Stop: 44254, Start Num: 5
Candidate Starts for Adat_55:
(Start: 5 @44811 has 8 MA's), (7, 44730), (9, 44589), (11, 44550), (12, 44403),

Gene: Brad_1 Start: 934, Stop: 377, Start Num: 5
Candidate Starts for Brad_1:
(1, 1033), (Start: 5 @934 has 8 MA's), (7, 853), (9, 712), (11, 673), (12, 526),

Gene: Brad_55 Start: 44803, Stop: 44246, Start Num: 5
Candidate Starts for Brad_55:
(Start: 5 @44803 has 8 MA's), (7, 44722), (9, 44581), (11, 44542), (12, 44395),

Gene: Casserole_55 Start: 45927, Stop: 45373, Start Num: 6
Candidate Starts for Casserole_55:
(1, 46020), (4, 45936), (Start: 6 @45927 has 4 MA's), (7, 45849), (8, 45846), (9, 45708), (10, 45705), (11, 45669), (12, 45522), (13, 45513),

Gene: Casserole_1 Start: 929, Stop: 375, Start Num: 6
Candidate Starts for Casserole_1:
(1, 1022), (4, 938), (Start: 6 @929 has 4 MA's), (7, 851), (8, 848), (9, 710), (10, 707), (11, 671), (12, 524), (13, 515),

Gene: GurgleFerb_55 Start: 44810, Stop: 44253, Start Num: 5
Candidate Starts for GurgleFerb_55:
(Start: 5 @44810 has 8 MA's), (7, 44729), (9, 44588), (11, 44549), (12, 44402),

Gene: GurgleFerb_1 Start: 934, Stop: 377, Start Num: 5
Candidate Starts for GurgleFerb_1:
(1, 1033), (Start: 5 @934 has 8 MA's), (7, 853), (9, 712), (11, 673), (12, 526),

Gene: Jasmine_1 Start: 927, Stop: 373, Start Num: 6

Candidate Starts for Jasmine_1:
(2, 1008), (3, 936), (Start: 6 @927 has 4 MA's), (7, 849), (8, 846), (9, 708), (12, 522),

Gene: Jasmine_58 Start: 46320, Stop: 45766, Start Num: 6
Candidate Starts for Jasmine_58:
(3, 46329), (Start: 6 @46320 has 4 MA's), (7, 46242), (8, 46239), (9, 46101), (12, 45915),

Gene: Nellie_1 Start: 934, Stop: 377, Start Num: 5
Candidate Starts for Nellie_1:
(Start: 5 @934 has 8 MA's), (7, 853), (9, 712), (11, 673), (12, 526),

Gene: Nellie_55 Start: 44811, Stop: 44254, Start Num: 5
Candidate Starts for Nellie_55:
(Start: 5 @44811 has 8 MA's), (7, 44730), (9, 44589), (11, 44550), (12, 44403),