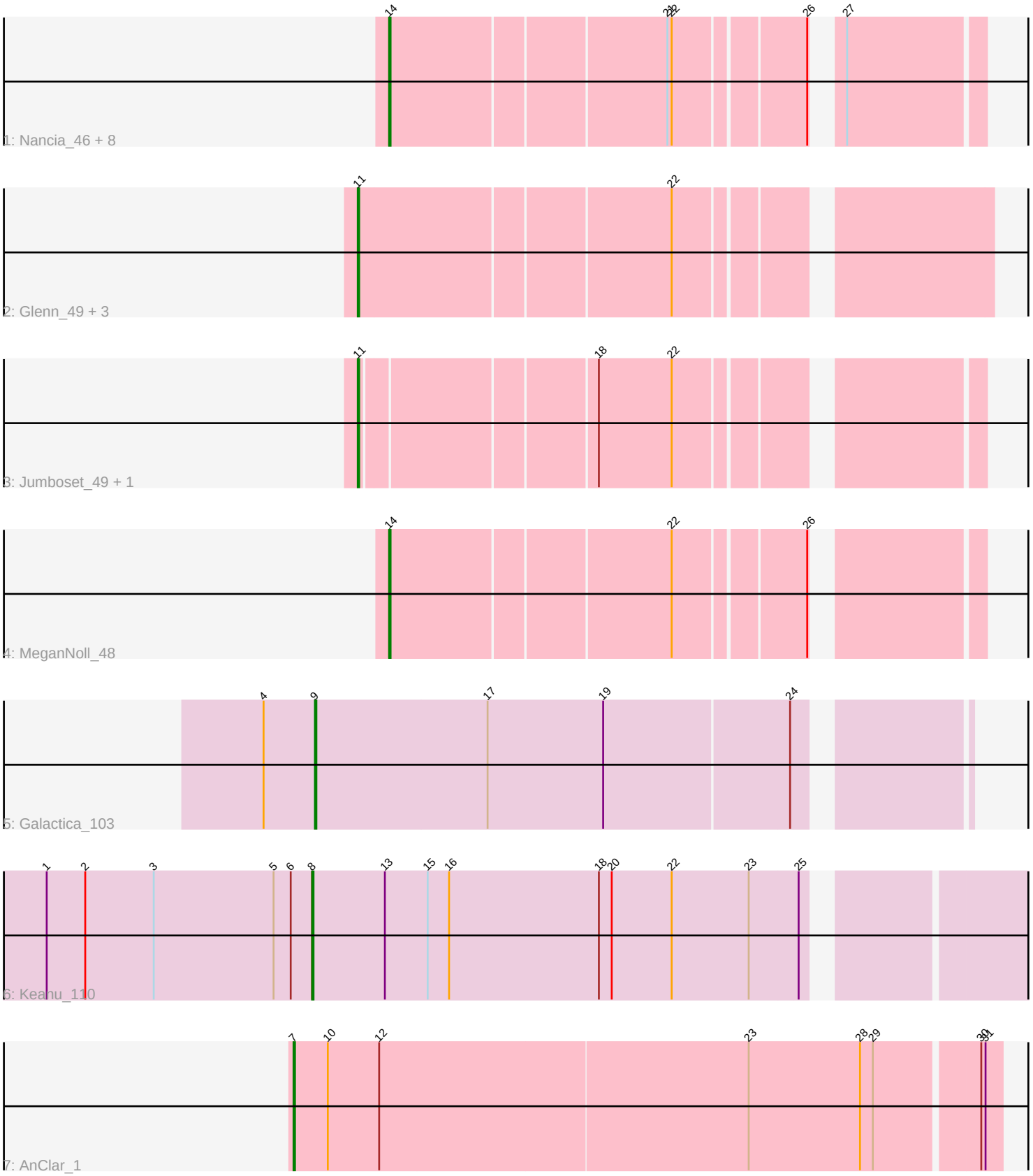
Pham 309344


14
22
22
26
27
1: Nancia_46 + 8
11
22
2: Glenn_49 + 3
11
18
22
3: Jumboset_49 + 1
14
22
26
4: MeganNoll_48
4
9
17
19
24
5: Galactica_103
1
2
3
5
6
8
13
15
16
18
20
22
23
25
6: Keanu_110
7
10
12
23
28
29
30
31
7: AnClar_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 309344 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309344 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nancia_46, Bodacious_46, AppleCider_48, BigMack_46, Wawa_48, Canowicakte_48, Suppi_48, CristinaYang_46, ChewChew_46
• Track 2 : Glenn_49, PinkFriday_46, Wayne_49, Kittykat_49
• Track 3 : Jumboset_49, Pterodactyl_46
• Track 4 : MeganNoll_48
• Track 5 : Galactica_103
• Track 6 : Keanu_110
• Track 7 : AnClar_1

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

The start number called the most often in the published annotations is 14, it was called in 10 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AppleCider_48, BigMack_46, Bodacious_46, Canowicakte_48, ChewChew_46, CristinaYang_46, MeganNoll_48, Nancia_46, Suppi_48, Wawa_48,

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

Genes that do not have the "Most Annotated" start:
• AnClar_1, Galactica_103, Glenn_49, Jumboset_49, Keanu_110, Kittykat_49, PinkFriday_46, Pterodactyl_46, Wayne_49,

Summary by start number:

Start 7:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_1 (DR),

Start 8:

• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keanu_110 (BQ),

Start 9:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_103 (BQ),

Start 11:
• Found in 6 of 19 (31.6%) of genes in pham
• Manual Annotations of this start: 6 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Glenn_49 (AK), Jumboset_49 (AK), Kittykat_49 (AK), PinkFriday_46 (AK), Pterodactyl_46 (AK), Wayne_49 (AK),

Start 14:
• Found in 10 of 19 (52.6%) of genes in pham
• Manual Annotations of this start: 10 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AppleCider_48 (AK), BigMack_46 (AK), Bodacious_46 (AK), Canowicakte_48 (AK), ChewChew_46 (AK), CristinaYang_46 (AK), MeganNoll_48 (AK), Nancia_46 (AK), Suppi_48 (AK), Wawa_48 (AK),

Summary by clusters:

There are 3 clusters represented in this pham: AK, DR, BQ,

Info for manual annotations of cluster AK:
•Start number 11 was manually annotated 6 times for cluster AK.
•Start number 14 was manually annotated 10 times for cluster AK.

Info for manual annotations of cluster BQ:
•Start number 8 was manually annotated 1 time for cluster BQ.
•Start number 9 was manually annotated 1 time for cluster BQ.

Info for manual annotations of cluster DR:
•Start number 7 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: AnClar_1 Start: 604, Stop: 1089, Start Num: 7
Candidate Starts for AnClar_1:
(Start: 7 @604 has 1 MA's), (10, 628), (12, 664), (23, 919), (28, 997), (29, 1006), (30, 1075), (31, 1078),

Gene: AppleCider_48 Start: 35943, Stop: 36317, Start Num: 14
Candidate Starts for AppleCider_48:
(Start: 14 @35943 has 10 MA's), (21, 36129), (22, 36132), (26, 36216), (27, 36225),

Gene: BigMack_46 Start: 34816, Stop: 35190, Start Num: 14
Candidate Starts for BigMack_46:
(Start: 14 @34816 has 10 MA's), (21, 35002), (22, 35005), (26, 35089), (27, 35098),

Gene: Bodacious_46 Start: 34773, Stop: 35147, Start Num: 14
Candidate Starts for Bodacious_46:
(Start: 14 @34773 has 10 MA's), (21, 34959), (22, 34962), (26, 35046), (27, 35055),

Gene: Canowicakte_48 Start: 35978, Stop: 36352, Start Num: 14
Candidate Starts for Canowicakte_48:
(Start: 14 @35978 has 10 MA's), (21, 36164), (22, 36167), (26, 36251), (27, 36260),

Gene: ChewChew_46 Start: 34904, Stop: 35278, Start Num: 14
Candidate Starts for ChewChew_46:
(Start: 14 @34904 has 10 MA's), (21, 35090), (22, 35093), (26, 35177), (27, 35186),

Gene: CristinaYang_46 Start: 34900, Stop: 35274, Start Num: 14
Candidate Starts for CristinaYang_46:
(Start: 14 @34900 has 10 MA's), (21, 35086), (22, 35089), (26, 35173), (27, 35182),

Gene: Galactica_103 Start: 72510, Stop: 72941, Start Num: 9
Candidate Starts for Galactica_103:
(4, 72474), (Start: 9 @72510 has 1 MA's), (17, 72630), (19, 72711), (24, 72837),

Gene: Glenn_49 Start: 36170, Stop: 36574, Start Num: 11
Candidate Starts for Glenn_49:
(Start: 11 @36170 has 6 MA's), (22, 36380),

Gene: Jumboset_49 Start: 36068, Stop: 36457, Start Num: 11
Candidate Starts for Jumboset_49:
(Start: 11 @36068 has 6 MA's), (18, 36221), (22, 36272),

Gene: Keanu_110 Start: 78255, Stop: 78767, Start Num: 8
Candidate Starts for Keanu_110:
(1, 78069), (2, 78096), (3, 78144), (5, 78228), (6, 78240), (Start: 8 @78255 has 1 MA's), (13, 78306),
(15, 78336), (16, 78351), (18, 78456), (20, 78465), (22, 78507), (23, 78561), (25, 78594),

Gene: Kittykat_49 Start: 35170, Stop: 35559, Start Num: 11
Candidate Starts for Kittykat_49:
(Start: 11 @35170 has 6 MA's), (22, 35374),

Gene: MeganNoll_48 Start: 36135, Stop: 36509, Start Num: 14
Candidate Starts for MeganNoll_48:
(Start: 14 @36135 has 10 MA's), (22, 36324), (26, 36408),

Gene: Nancia_46 Start: 34773, Stop: 35147, Start Num: 14
Candidate Starts for Nancia_46:
(Start: 14 @34773 has 10 MA's), (21, 34959), (22, 34962), (26, 35046), (27, 35055),

Gene: PinkFriday_46 Start: 35018, Stop: 35407, Start Num: 11
Candidate Starts for PinkFriday_46:
(Start: 11 @35018 has 6 MA's), (22, 35222),

Gene: Pterodactyl_46 Start: 34733, Stop: 35122, Start Num: 11
Candidate Starts for Pterodactyl_46:
(Start: 11 @34733 has 6 MA's), (18, 34886), (22, 34937),

Gene: Suppi_48 Start: 35978, Stop: 36352, Start Num: 14
Candidate Starts for Suppi_48:
(Start: 14 @35978 has 10 MA's), (21, 36164), (22, 36167), (26, 36251), (27, 36260),

Gene: Wawa_48 Start: 35937, Stop: 36311, Start Num: 14
Candidate Starts for Wawa_48:
(Start: 14 @35937 has 10 MA's), (21, 36123), (22, 36126), (26, 36210), (27, 36219),

Gene: Wayne_49 Start: 36024, Stop: 36443, Start Num: 11
Candidate Starts for Wayne_49:
(Start: 11 @36024 has 6 MA's), (22, 36234),