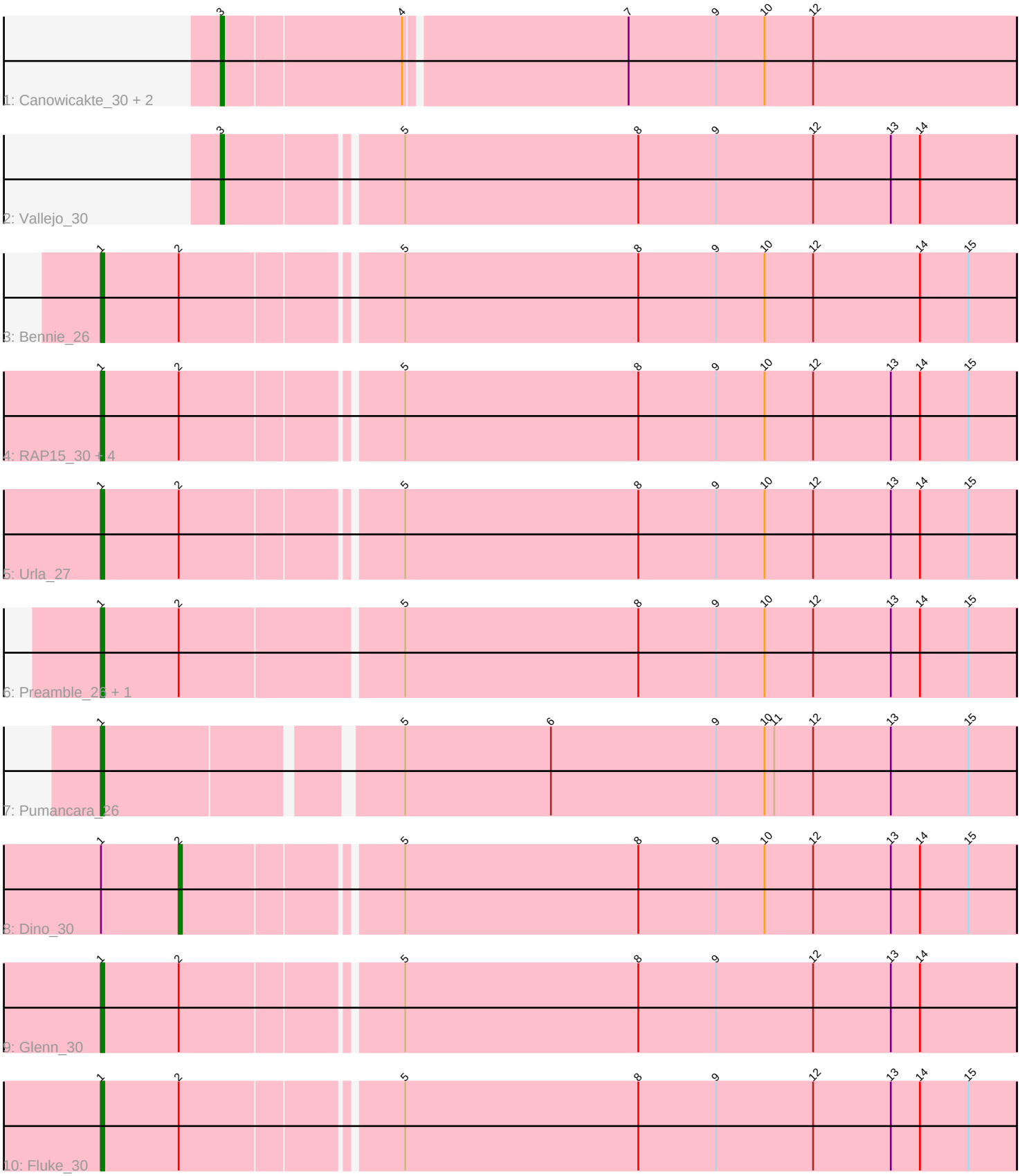
Pham 86851


3 4 7 9 10 12
1: Canowicakte_30 + 2
3 5 8 9 12 13 14
2: Vallejo_30
1 2 5 8 9 10 12 14 15
3: Bennie_26
1 2 5 8 9 10 12 13 14 15
4: RAP15_30 + 4
1 2 5 8 9 10 12 13 14 15
5: Urla_27
1 2 5 8 9 10 12 13 14 15
6: Preamble_26 + 1
1 5 6 9 10 11 12 13 15
7: Pumancara_26
1 2 5 8 9 10 12 13 14 15
8: Dino_30
1 2 5 8 9 12 13 14
9: Glenn_30
1 2 5 8 9 12 13 14 15
10: Fluke_30

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 86851 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86851 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Canowicakte_30, Wayne_30, Suppi_30
• Track 2 : Vallejo_30
• Track 3 : Bennie_26
• Track 4 : RAP15_30, Scuttle_30, Immaculata_30, Korra_31, MeganNoll_30
• Track 5 : Urla_27
• Track 6 : Preamble_26, Kittykat_26
• Track 7 : Pumancara_26
• Track 8 : Dino_30
• Track 9 : Glenn_30
• Track 10 : Fluke_30

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 12 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bennie_26, Fluke_30, Glenn_30, Immaculata_30, Kittykat_26, Korra_31, MeganNoll_30, Preamble_26, Pumancara_26, RAP15_30, Scuttle_30, Urla_27,

Genes that have the "Most Annotated" start but do not call it:
• Dino_30,

Genes that do not have the "Most Annotated" start:
• Canowicakte_30, Suppi_30, Vallejo_30, Wayne_30,

Summary by start number:

Start 1:
• Found in 13 of 17 (76.5%) of genes in pham
• Manual Annotations of this start: 12 of 17
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Bennie_26 (AK), Fluke_30 (AK), Glenn_30 (AK), Immaculata_30 (AK), Kittykat_26 (AK), Korra_31 (AK),

MeganNoll_30 (AK), Preamble_26 (AK), Pumancara_26 (AK), RAP15_30 (AK), Scuttle_30 (AK), Urla_27 (AK),

Start 2:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Dino_30 (AK),

Start 3:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 4 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Canowicakte_30 (AK), Suppi_30 (AK), Vallejo_30 (AK), Wayne_30 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 1 was manually annotated 12 times for cluster AK.
•Start number 2 was manually annotated 1 time for cluster AK.
•Start number 3 was manually annotated 4 times for cluster AK.

Gene Information:

Gene: Bennie_26 Start: 21979, Stop: 22254, Start Num: 1
Candidate Starts for Bennie_26:
(Start: 1 @21979 has 12 MA's), (Start: 2 @22003 has 1 MA's), (5, 22066), (8, 22138), (9, 22162), (10, 22177), (12, 22192), (14, 22225), (15, 22240),

Gene: Canowicakte_30 Start: 23624, Stop: 23863, Start Num: 3
Candidate Starts for Canowicakte_30:
(Start: 3 @23624 has 4 MA's), (4, 23678), (7, 23744), (9, 23771), (10, 23786), (12, 23801),

Gene: Dino_30 Start: 23593, Stop: 23844, Start Num: 2
Candidate Starts for Dino_30:
(Start: 1 @23569 has 12 MA's), (Start: 2 @23593 has 1 MA's), (5, 23656), (8, 23728), (9, 23752), (10, 23767), (12, 23782), (13, 23806), (14, 23815), (15, 23830),

Gene: Fluke_30 Start: 23612, Stop: 23887, Start Num: 1
Candidate Starts for Fluke_30:
(Start: 1 @23612 has 12 MA's), (Start: 2 @23636 has 1 MA's), (5, 23699), (8, 23771), (9, 23795), (12, 23825), (13, 23849), (14, 23858), (15, 23873),

Gene: Glenn_30 Start: 23621, Stop: 23896, Start Num: 1
Candidate Starts for Glenn_30:
(Start: 1 @23621 has 12 MA's), (Start: 2 @23645 has 1 MA's), (5, 23708), (8, 23780), (9, 23804), (12, 23834), (13, 23858), (14, 23867),

Gene: Immaculata_30 Start: 23616, Stop: 23891, Start Num: 1
Candidate Starts for Immaculata_30:
(Start: 1 @23616 has 12 MA's), (Start: 2 @23640 has 1 MA's), (5, 23703), (8, 23775), (9, 23799), (10, 23814), (12, 23829), (13, 23853), (14, 23862), (15, 23877),

Gene: Kittykat_26 Start: 22064, Stop: 22342, Start Num: 1
Candidate Starts for Kittykat_26:
(Start: 1 @22064 has 12 MA's), (Start: 2 @22088 has 1 MA's), (5, 22154), (8, 22226), (9, 22250), (10, 22265), (12, 22280), (13, 22304), (14, 22313), (15, 22328),

Gene: Korra_31 Start: 23569, Stop: 23844, Start Num: 1
Candidate Starts for Korra_31:
(Start: 1 @23569 has 12 MA's), (Start: 2 @23593 has 1 MA's), (5, 23656), (8, 23728), (9, 23752), (10, 23767), (12, 23782), (13, 23806), (14, 23815), (15, 23830),

Gene: MeganNoll_30 Start: 23621, Stop: 23896, Start Num: 1
Candidate Starts for MeganNoll_30:
(Start: 1 @23621 has 12 MA's), (Start: 2 @23645 has 1 MA's), (5, 23708), (8, 23780), (9, 23804), (10, 23819), (12, 23834), (13, 23858), (14, 23867), (15, 23882),

Gene: Preamble_26 Start: 22041, Stop: 22319, Start Num: 1
Candidate Starts for Preamble_26:
(Start: 1 @22041 has 12 MA's), (Start: 2 @22065 has 1 MA's), (5, 22131), (8, 22203), (9, 22227), (10, 22242), (12, 22257), (13, 22281), (14, 22290), (15, 22305),

Gene: Pumancara_26 Start: 22009, Stop: 22281, Start Num: 1
Candidate Starts for Pumancara_26:
(Start: 1 @22009 has 12 MA's), (5, 22093), (6, 22138), (9, 22189), (10, 22204), (11, 22207), (12, 22219), (13, 22243), (15, 22267),

Gene: RAP15_30 Start: 23621, Stop: 23896, Start Num: 1
Candidate Starts for RAP15_30:
(Start: 1 @23621 has 12 MA's), (Start: 2 @23645 has 1 MA's), (5, 23708), (8, 23780), (9, 23804), (10, 23819), (12, 23834), (13, 23858), (14, 23867), (15, 23882),

Gene: Scuttle_30 Start: 23620, Stop: 23895, Start Num: 1
Candidate Starts for Scuttle_30:
(Start: 1 @23620 has 12 MA's), (Start: 2 @23644 has 1 MA's), (5, 23707), (8, 23779), (9, 23803), (10, 23818), (12, 23833), (13, 23857), (14, 23866), (15, 23881),

Gene: Suppi_30 Start: 23624, Stop: 23863, Start Num: 3
Candidate Starts for Suppi_30:
(Start: 3 @23624 has 4 MA's), (4, 23678), (7, 23744), (9, 23771), (10, 23786), (12, 23801),

Gene: Urla_27 Start: 23206, Stop: 23481, Start Num: 1
Candidate Starts for Urla_27:
(Start: 1 @23206 has 12 MA's), (Start: 2 @23230 has 1 MA's), (5, 23293), (8, 23365), (9, 23389), (10, 23404), (12, 23419), (13, 23443), (14, 23452), (15, 23467),

Gene: Vallejo_30 Start: 23590, Stop: 23829, Start Num: 3
Candidate Starts for Vallejo_30:
(Start: 3 @23590 has 4 MA's), (5, 23641), (8, 23713), (9, 23737), (12, 23767), (13, 23791), (14, 23800),

Gene: Wayne_30 Start: 23670, Stop: 23909, Start Num: 3
Candidate Starts for Wayne_30:
(Start: 3 @23670 has 4 MA's), (4, 23724), (7, 23790), (9, 23817), (10, 23832), (12, 23847),