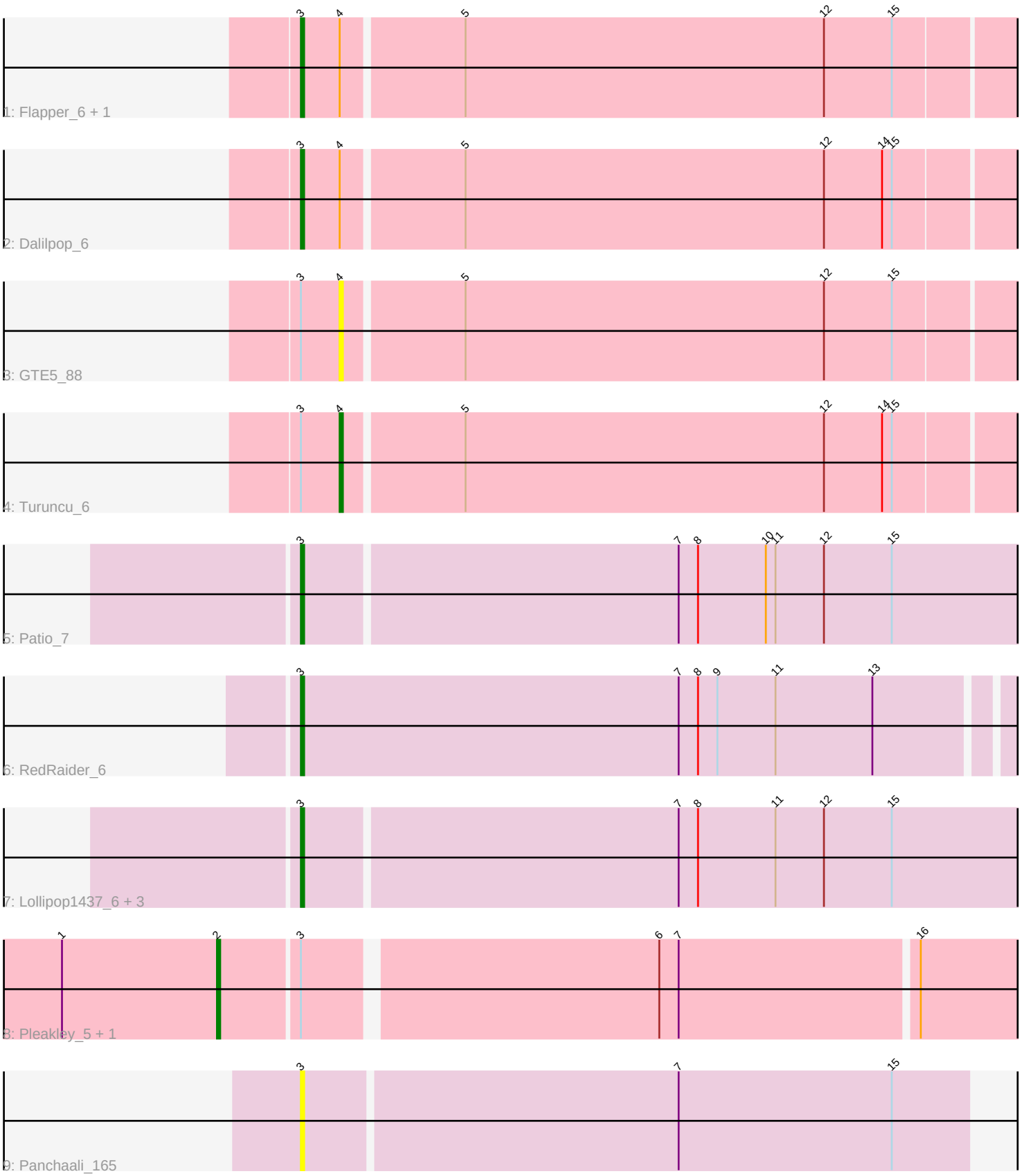
Pham 225005


1: Flapper_6 + 1
2: Dalilpop_6
3: GTE5_88
4: Turuncu_6
5: Patio_7
6: RedRaider_6
7: Lollipop1437_6 + 3
8: Pleakley_5 + 1
9: Panchaali_165

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 225005 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225005 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Flapper_6, GRU1_89
• Track 2 : Dalilpop_6
• Track 3 : GTE5_88
• Track 4 : Turuncu_6
• Track 5 : Patio_7
• Track 6 : RedRaider_6
• Track 7 : Lollipop1437_6, Ennea_6, Float294_6, Skysand_6
• Track 8 : Pleakley_5, Fury_5
• Track 9 : Panchaali_165

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 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dalilpop_6, Ennea_6, Flapper_6, Float294_6, GRU1_89, Lollipop1437_6, Panchaali_165, Patio_7, RedRaider_6, Skysand_6,

Genes that have the "Most Annotated" start but do not call it:
• Fury_5, GTE5_88, Pleakley_5, Turuncu_6,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 2:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fury_5 (CR5), Pleakley_5 (CR5),

Start 3:

• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Dalilpop_6 (CR1), Ennea_6 (CR3), Flapper_6 (CR1), Float294_6 (CR3), GRU1_89 (CR1), Lollipop1437_6 (CR3), Panchaali_165 (FC), Patio_7 (CR3), RedRaider_6 (CR3), Skysand_6 (CR3),

Start 4:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 40.0% of time when present
• Phage (with cluster) where this start called: GTE5_88 (CR1), Turuncu_6 (CR1),

Summary by clusters:

There are 4 clusters represented in this pham: FC, CR3, CR1, CR5,

Info for manual annotations of cluster CR1:
•Start number 3 was manually annotated 2 times for cluster CR1.
•Start number 4 was manually annotated 1 time for cluster CR1.

Info for manual annotations of cluster CR3:
•Start number 3 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR5:
•Start number 2 was manually annotated 2 times for cluster CR5.

Gene Information:

Gene: Dalilpop_6 Start: 4569, Stop: 4790, Start Num: 3
Candidate Starts for Dalilpop_6:
(Start: 3 @4569 has 8 MA's), (Start: 4 @4581 has 1 MA's), (5, 4617), (12, 4728), (14, 4746), (15, 4749),

Gene: Ennea_6 Start: 4376, Stop: 4606, Start Num: 3
Candidate Starts for Ennea_6:
(Start: 3 @4376 has 8 MA's), (7, 4490), (8, 4496), (11, 4520), (12, 4535), (15, 4556),

Gene: Flapper_6 Start: 3864, Stop: 4085, Start Num: 3
Candidate Starts for Flapper_6:
(Start: 3 @3864 has 8 MA's), (Start: 4 @3876 has 1 MA's), (5, 3912), (12, 4023), (15, 4044),

Gene: Float294_6 Start: 4362, Stop: 4592, Start Num: 3
Candidate Starts for Float294_6:
(Start: 3 @4362 has 8 MA's), (7, 4476), (8, 4482), (11, 4506), (12, 4521), (15, 4542),

Gene: Fury_5 Start: 2948, Stop: 3193, Start Num: 2
Candidate Starts for Fury_5:
(1, 2900), (Start: 2 @2948 has 2 MA's), (Start: 3 @2972 has 8 MA's), (6, 3077), (7, 3083), (16, 3155),

Gene: GRU1_89 Start: 62882, Stop: 63103, Start Num: 3
Candidate Starts for GRU1_89:
(Start: 3 @62882 has 8 MA's), (Start: 4 @62894 has 1 MA's), (5, 62930), (12, 63041), (15, 63062),

Gene: GTE5_88 Start: 63789, Stop: 63998, Start Num: 4
Candidate Starts for GTE5_88:
(Start: 3 @63777 has 8 MA's), (Start: 4 @63789 has 1 MA's), (5, 63825), (12, 63936), (15, 63957),

Gene: Lollipop1437_6 Start: 4364, Stop: 4594, Start Num: 3
Candidate Starts for Lollipop1437_6:
(Start: 3 @4364 has 8 MA's), (7, 4478), (8, 4484), (11, 4508), (12, 4523), (15, 4544),

Gene: Panchaali_165 Start: 107904, Stop: 108107, Start Num: 3
Candidate Starts for Panchaali_165:
(Start: 3 @107904 has 8 MA's), (7, 108018), (15, 108084),

Gene: Patio_7 Start: 5032, Stop: 5262, Start Num: 3
Candidate Starts for Patio_7:
(Start: 3 @5032 has 8 MA's), (7, 5146), (8, 5152), (10, 5173), (11, 5176), (12, 5191), (15, 5212),

Gene: Pleakley_5 Start: 2948, Stop: 3193, Start Num: 2
Candidate Starts for Pleakley_5:
(1, 2900), (Start: 2 @2948 has 2 MA's), (Start: 3 @2972 has 8 MA's), (6, 3077), (7, 3083), (16, 3155),

Gene: RedRaider_6 Start: 4303, Stop: 4524, Start Num: 3
Candidate Starts for RedRaider_6:
(Start: 3 @4303 has 8 MA's), (7, 4420), (8, 4426), (9, 4432), (11, 4450), (13, 4480),

Gene: Skysand_6 Start: 4364, Stop: 4594, Start Num: 3
Candidate Starts for Skysand_6:
(Start: 3 @4364 has 8 MA's), (7, 4478), (8, 4484), (11, 4508), (12, 4523), (15, 4544),

Gene: Turuncu_6 Start: 3772, Stop: 3981, Start Num: 4
Candidate Starts for Turuncu_6:
(Start: 3 @3760 has 8 MA's), (Start: 4 @3772 has 1 MA's), (5, 3808), (12, 3919), (14, 3937), (15, 3940),