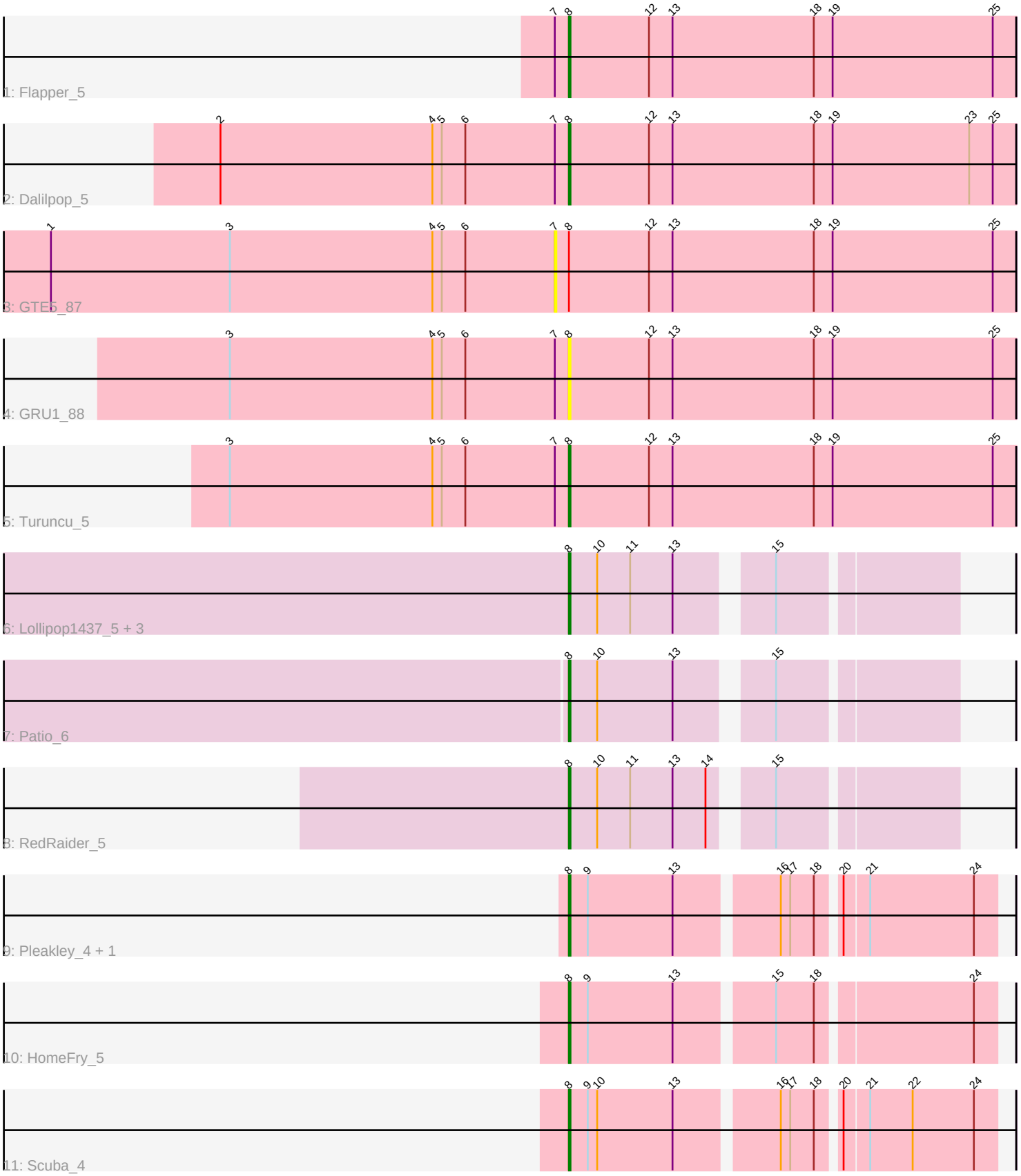
Pham 348142


1: Flapper_5
2: Dalilpop_5
3: GTE5_87
4: GRU1_88
5: Turuncu_5
6: Lollipop1437_5 + 3
7: Patio_6
8: RedRaider_5
9: Pleakley_4 + 1
10: HomeFry_5
11: Scuba_4

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 348142 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348142 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Flapper_5
• Track 2 : Dalilpop_5
• Track 3 : GTE5_87
• Track 4 : GRU1_88
• Track 5 : Turuncu_5
• Track 6 : Lollipop1437_5, Ennea_5, Float294_5, Skysand_5
• Track 7 : Patio_6
• Track 8 : RedRaider_5
• Track 9 : Pleakley_4, Fury_4
• Track 10 : HomeFry_5
• Track 11 : Scuba_4

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dalilpop_5, Ennea_5, Flapper_5, Float294_5, Fury_4, GRU1_88, HomeFry_5, Lollipop1437_5, Patio_6, Pleakley_4, RedRaider_5, Scuba_4, Skysand_5, Turuncu_5,

Genes that have the "Most Annotated" start but do not call it:
• GTE5_87,

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

Summary by start number:

Start 7:
• Found in 5 of 15 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present

• Phage (with cluster) where this start called: GTE5_87 (CR1),

Start 8:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Dalilpop_5 (CR1), Ennea_5 (CR3), Flapper_5 (CR1), Float294_5 (CR3), Fury_4 (CR5), GRU1_88 (CR1), HomeFry_5 (CR5), Lollipop1437_5 (CR3), Patio_6 (CR3), Pleakley_4 (CR5), RedRaider_5 (CR3), Scuba_4 (CR5), Skysand_5 (CR3), Turuncu_5 (CR1),

Summary by clusters:

There are 3 clusters represented in this pham: CR3, CR1, CR5,

Info for manual annotations of cluster CR1:
•Start number 8 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR3:
•Start number 8 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR5:
•Start number 8 was manually annotated 4 times for cluster CR5.

Gene Information:

Gene: Dalilpop_5 Start: 4263, Stop: 4547, Start Num: 8
Candidate Starts for Dalilpop_5:
(2, 4041), (4, 4176), (5, 4182), (6, 4197), (7, 4254), (Start: 8 @4263 has 13 MA's), (12, 4314), (13, 4329), (18, 4419), (19, 4431), (23, 4518), (25, 4533),

Gene: Ennea_5 Start: 4114, Stop: 4338, Start Num: 8
Candidate Starts for Ennea_5:
(Start: 8 @4114 has 13 MA's), (10, 4132), (11, 4153), (13, 4180), (15, 4231),

Gene: Flapper_5 Start: 3558, Stop: 3842, Start Num: 8
Candidate Starts for Flapper_5:
(7, 3549), (Start: 8 @3558 has 13 MA's), (12, 3609), (13, 3624), (18, 3714), (19, 3726), (25, 3828),

Gene: Float294_5 Start: 4100, Stop: 4324, Start Num: 8
Candidate Starts for Float294_5:
(Start: 8 @4100 has 13 MA's), (10, 4118), (11, 4139), (13, 4166), (15, 4217),

Gene: Fury_4 Start: 2697, Stop: 2951, Start Num: 8
Candidate Starts for Fury_4:
(Start: 8 @2697 has 13 MA's), (9, 2709), (13, 2763), (16, 2823), (17, 2829), (18, 2844), (20, 2856), (21, 2871), (24, 2937),

Gene: GRU1_88 Start: 62576, Stop: 62860, Start Num: 8
Candidate Starts for GRU1_88:

(3, 62360), (4, 62489), (5, 62495), (6, 62510), (7, 62567), (Start: 8 @62576 has 13 MA's), (12, 62627), (13, 62642), (18, 62732), (19, 62744), (25, 62846),

Gene: GTE5_87 Start: 63462, Stop: 63755, Start Num: 7
Candidate Starts for GTE5_87:
(1, 63141), (3, 63255), (4, 63384), (5, 63390), (6, 63405), (7, 63462), (Start: 8 @63471 has 13 MA's), (12, 63522), (13, 63537), (18, 63627), (19, 63639), (25, 63741),

Gene: HomeFry_5 Start: 2667, Stop: 2921, Start Num: 8
Candidate Starts for HomeFry_5:
(Start: 8 @2667 has 13 MA's), (9, 2679), (13, 2733), (15, 2790), (18, 2814), (24, 2907),

Gene: Lollipop1437_5 Start: 4102, Stop: 4326, Start Num: 8
Candidate Starts for Lollipop1437_5:
(Start: 8 @4102 has 13 MA's), (10, 4120), (11, 4141), (13, 4168), (15, 4219),

Gene: Patio_6 Start: 4770, Stop: 4994, Start Num: 8
Candidate Starts for Patio_6:
(Start: 8 @4770 has 13 MA's), (10, 4788), (13, 4836), (15, 4887),

Gene: Pleakley_4 Start: 2697, Stop: 2951, Start Num: 8
Candidate Starts for Pleakley_4:
(Start: 8 @2697 has 13 MA's), (9, 2709), (13, 2763), (16, 2823), (17, 2829), (18, 2844), (20, 2856), (21, 2871), (24, 2937),

Gene: RedRaider_5 Start: 4041, Stop: 4265, Start Num: 8
Candidate Starts for RedRaider_5:
(Start: 8 @4041 has 13 MA's), (10, 4059), (11, 4080), (13, 4107), (14, 4128), (15, 4158),

Gene: Scuba_4 Start: 2777, Stop: 3031, Start Num: 8
Candidate Starts for Scuba_4:
(Start: 8 @2777 has 13 MA's), (9, 2789), (10, 2795), (13, 2843), (16, 2903), (17, 2909), (18, 2924), (20, 2936), (21, 2951), (22, 2978), (24, 3017),

Gene: Skysand_5 Start: 4102, Stop: 4326, Start Num: 8
Candidate Starts for Skysand_5:
(Start: 8 @4102 has 13 MA's), (10, 4120), (11, 4141), (13, 4168), (15, 4219),

Gene: Turuncu_5 Start: 3454, Stop: 3738, Start Num: 8
Candidate Starts for Turuncu_5:
(3, 3238), (4, 3367), (5, 3373), (6, 3388), (7, 3445), (Start: 8 @3454 has 13 MA's), (12, 3505), (13, 3520), (18, 3610), (19, 3622), (25, 3724),