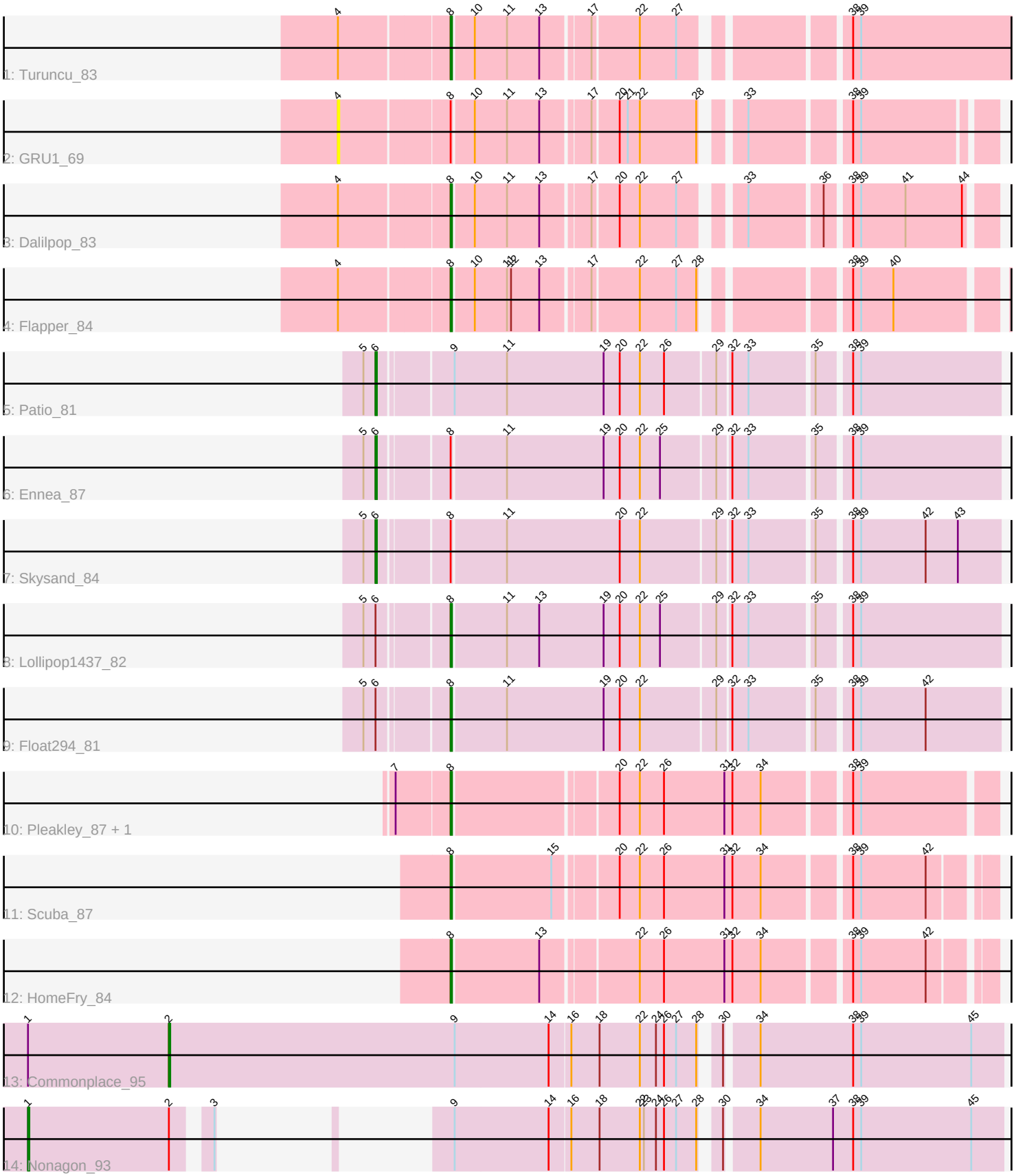
Pham 309502


1: Turuncu_83
2: GRU1_69
3: Dalilpop_83
4: Flapper_84
5: Patio_81
6: Ennea_87
7: Skysand_84
8: Lollipop1437_82
9: Float294_81
10: Pleakley_87 + 1
11: Scuba_87
12: HomeFry_84
13: Commonplace_95
14: Nonagon_93

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 309502 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309502 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Turuncu_83
• Track 2 : GRU1_69
• Track 3 : Dalilpop_83
• Track 4 : Flapper_84
• Track 5 : Patio_81
• Track 6 : Ennea_87
• Track 7 : Skysand_84
• Track 8 : Lollipop1437_82
• Track 9 : Float294_81
• Track 10 : Pleakley_87, Fury_87
• Track 11 : Scuba_87
• Track 12 : HomeFry_84
• Track 13 : Commonplace_95
• Track 14 : Nonagon_93

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 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dalilpop_83, Flapper_84, Float294_81, Fury_87, HomeFry_84, Lollipop1437_82, Pleakley_87, Scuba_87, Turuncu_83,

Genes that have the "Most Annotated" start but do not call it:
• Ennea_87, GRU1_69, Skysand_84,

Genes that do not have the "Most Annotated" start:
• Commonplace_95, Nonagon_93, Patio_81,

Summary by start number:

Start 1:
• Found in 2 of 15 (13.3%) of genes in pham

• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nonagon_93 (JD),

Start 2:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Commonplace_95 (JD),

Start 4:
• Found in 4 of 15 (26.7%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: GRU1_69 (CR1),

Start 6:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Ennea_87 (CR3), Patio_81 (CR3), Skysand_84 (CR3),

Start 8:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Dalilpop_83 (CR1), Flapper_84 (CR1), Float294_81 (CR3), Fury_87 (CR5), HomeFry_84 (CR5), Lollipop1437_82 (CR3), Pleakley_87 (CR5), Scuba_87 (CR5), Turuncu_83 (CR1),

Summary by clusters:

There are 4 clusters represented in this pham: JD, 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 6 was manually annotated 3 times for cluster CR3.
•Start number 8 was manually annotated 2 times for cluster CR3.

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

Info for manual annotations of cluster JD:
•Start number 1 was manually annotated 1 time for cluster JD.
•Start number 2 was manually annotated 1 time for cluster JD.

Gene Information:

Gene: Commonplace_95 Start: 53226, Stop: 52627, Start Num: 2
Candidate Starts for Commonplace_95:
(Start: 1 @53331 has 1 MA's), (Start: 2 @53226 has 1 MA's), (9, 53013), (14, 52944), (16, 52929), (18, 52908), (22, 52878), (24, 52866), (26, 52860), (27, 52851), (28, 52836), (30, 52827), (34, 52806), (38, 52737), (39, 52731), (45, 52650),

Gene: Dalilpop_83 Start: 60706, Stop: 61104, Start Num: 8
Candidate Starts for Dalilpop_83:
(4, 60628), (Start: 8 @60706 has 9 MA's), (10, 60721), (11, 60745), (13, 60769), (17, 60802), (20, 60820), (22, 60835), (27, 60862), (33, 60898), (36, 60949), (38, 60964), (39, 60970), (41, 61003), (44, 61045),

Gene: Ennea_87 Start: 61033, Stop: 61512, Start Num: 6
Candidate Starts for Ennea_87:
(5, 61024), (Start: 6 @61033 has 3 MA's), (Start: 8 @61081 has 9 MA's), (11, 61120), (19, 61192), (20, 61204), (22, 61219), (25, 61234), (29, 61273), (32, 61282), (33, 61294), (35, 61339), (38, 61360), (39, 61366),

Gene: Flapper_84 Start: 60777, Stop: 61178, Start Num: 8
Candidate Starts for Flapper_84:
(4, 60699), (Start: 8 @60777 has 9 MA's), (10, 60792), (11, 60816), (12, 60819), (13, 60840), (17, 60873), (22, 60906), (27, 60933), (28, 60948), (38, 61035), (39, 61041), (40, 61065),

Gene: Float294_81 Start: 60985, Stop: 61416, Start Num: 8
Candidate Starts for Float294_81:
(5, 60928), (Start: 6 @60937 has 3 MA's), (Start: 8 @60985 has 9 MA's), (11, 61024), (19, 61096), (20, 61108), (22, 61123), (29, 61177), (32, 61186), (33, 61198), (35, 61243), (38, 61264), (39, 61270), (42, 61318),

Gene: Fury_87 Start: 58525, Stop: 58941, Start Num: 8
Candidate Starts for Fury_87:
(7, 58486), (Start: 8 @58525 has 9 MA's), (20, 58639), (22, 58654), (26, 58672), (31, 58717), (32, 58723), (34, 58744), (38, 58801), (39, 58807),

Gene: GRU1_69 Start: 52084, Stop: 52557, Start Num: 4
Candidate Starts for GRU1_69:
(4, 52084), (Start: 8 @52162 has 9 MA's), (10, 52177), (11, 52201), (13, 52225), (17, 52258), (20, 52276), (21, 52282), (22, 52291), (28, 52333), (33, 52354), (38, 52420), (39, 52426),

Gene: HomeFry_84 Start: 57628, Stop: 58038, Start Num: 8
Candidate Starts for HomeFry_84:
(Start: 8 @57628 has 9 MA's), (13, 57691), (22, 57757), (26, 57775), (31, 57820), (32, 57826), (34, 57847), (38, 57904), (39, 57910), (42, 57958),

Gene: Lollipop1437_82 Start: 60777, Stop: 61208, Start Num: 8
Candidate Starts for Lollipop1437_82:
(5, 60720), (Start: 6 @60729 has 3 MA's), (Start: 8 @60777 has 9 MA's), (11, 60816), (13, 60840), (19, 60888), (20, 60900), (22, 60915), (25, 60930), (29, 60969), (32, 60978), (33, 60990), (35, 61035), (38, 61056), (39, 61062),

Gene: Nonagon_93 Start: 52668, Stop: 52135, Start Num: 1
Candidate Starts for Nonagon_93:

(Start: 1 @52668 has 1 MA's), (Start: 2 @52563 has 1 MA's), (3, 52542), (9, 52521), (14, 52452), (16, 52437), (18, 52416), (22, 52386), (23, 52383), (24, 52374), (26, 52368), (27, 52359), (28, 52344), (30, 52335), (34, 52314), (37, 52260), (38, 52245), (39, 52239), (45, 52158),

Gene: Patio_81 Start: 59924, Stop: 60406, Start Num: 6
Candidate Starts for Patio_81:
(5, 59915), (Start: 6 @59924 has 3 MA's), (9, 59975), (11, 60014), (19, 60086), (20, 60098), (22, 60113), (26, 60131), (29, 60167), (32, 60176), (33, 60188), (35, 60233), (38, 60254), (39, 60260),

Gene: Pleakley_87 Start: 58526, Stop: 58942, Start Num: 8
Candidate Starts for Pleakley_87:
(7, 58487), (Start: 8 @58526 has 9 MA's), (20, 58640), (22, 58655), (26, 58673), (31, 58718), (32, 58724), (34, 58745), (38, 58802), (39, 58808),

Gene: Scuba_87 Start: 58652, Stop: 59062, Start Num: 8
Candidate Starts for Scuba_87:
(Start: 8 @58652 has 9 MA's), (15, 58724), (20, 58766), (22, 58781), (26, 58799), (31, 58844), (32, 58850), (34, 58871), (38, 58928), (39, 58934), (42, 58982),

Gene: Skysand_84 Start: 60850, Stop: 61329, Start Num: 6
Candidate Starts for Skysand_84:
(5, 60841), (Start: 6 @60850 has 3 MA's), (Start: 8 @60898 has 9 MA's), (11, 60937), (20, 61021), (22, 61036), (29, 61090), (32, 61099), (33, 61111), (35, 61156), (38, 61177), (39, 61183), (42, 61231), (43, 61255),

Gene: Turuncu_83 Start: 60147, Stop: 60563, Start Num: 8
Candidate Starts for Turuncu_83:
(4, 60069), (Start: 8 @60147 has 9 MA's), (10, 60162), (11, 60186), (13, 60210), (17, 60243), (22, 60276), (27, 60303), (38, 60405), (39, 60411),