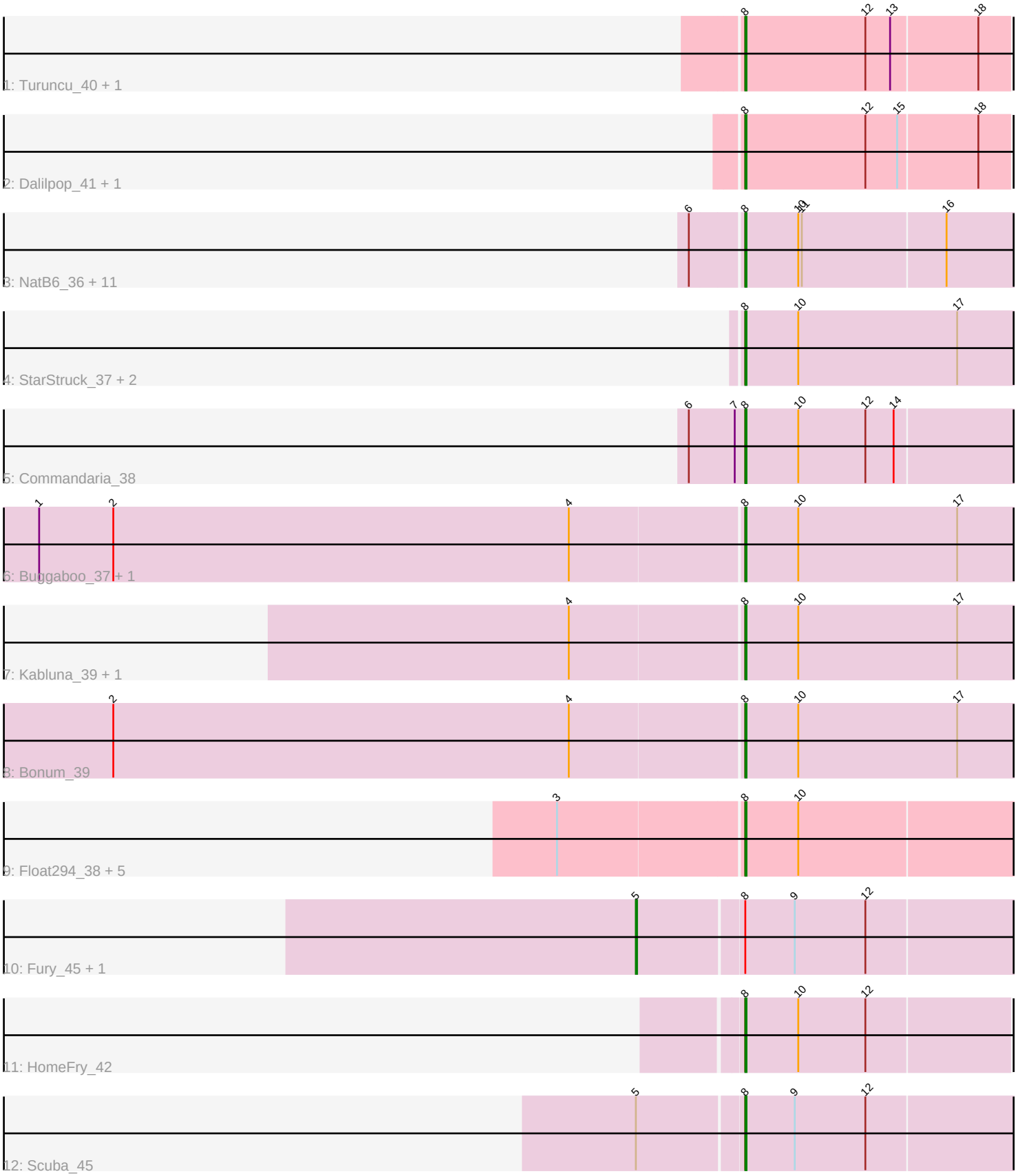
Pham 334967


8
12
13
18
1: Turuncu_40 + 1
8
12
15
18
2: Dalilpop_41 + 1
6
8
10
11
16
3: NatB6_36 + 11
8
10
17
4: StarStruck_37 + 2
6
7
8
10
12
14
5: Commandaria_38
1
2
4
8
10
17
6: Buggaboo_37 + 1
4
8
10
17
7: Kabluna_39 + 1
2
4
8
10
17
8: Bonum_39
3
8
10
9: Float294_38 + 5
5
8
9
12
10: Fury_45 + 1
8
10
12
11: HomeFry_42
5
8
9
12
12: Scuba_45

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 334967 Report

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

Pham number 334967 has 35 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Turuncu_40, Flapper_40
• Track 2 : Dalilpop_41, GRU1_26
• Track 3 : NatB6_36, Kurt_36, KidneyBean_36, Wheezy_36, NovumRegina_36, GrootJr_38, Jifall16_35, Tracker_36, Arti_36, Phomeo_35, Emianna_36, Foxboro_37
• Track 4 : StarStruck_37, Outis_37, MerCougar_37
• Track 5 : Commandaria_38
• Track 6 : Buggaboo_37, SuperSulley_37
• Track 7 : Kabluna_39, NosilaM_39
• Track 8 : Bonum_39
• Track 9 : Float294_38, Patio_39, Skysand_38, Lollipop1437_41, Ennea_42, RedRaider_43
• Track 10 : Fury_45, Pleakley_45
• Track 11 : HomeFry_42
• Track 12 : Scuba_45

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 32 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_36, Bonum_39, Buggaboo_37, Commandaria_38, Dalilpop_41, Emianna_36, Ennea_42, Flapper_40, Float294_38, Foxboro_37, GRU1_26, GrootJr_38, HomeFry_42, Jifall16_35, Kabluna_39, KidneyBean_36, Kurt_36, Lollipop1437_41, MerCougar_37, NatB6_36, NosilaM_39, NovumRegina_36, Outis_37, Patio_39, Phomeo_35, RedRaider_43, Scuba_45, Skysand_38, StarStruck_37, SuperSulley_37, Tracker_36, Turuncu_40, Wheezy_36,

Genes that have the "Most Annotated" start but do not call it:
• Fury_45, Pleakley_45,

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

Summary by start number:

Start 5:
• Found in 3 of 35 (8.6%) of genes in pham
• Manual Annotations of this start: 2 of 34
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Fury_45 (CR5), Pleakley_45 (CR5),

Start 8:
• Found in 35 of 35 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 34
• Called 94.3% of time when present
• Phage (with cluster) where this start called: Arti_36 (CR2), Bonum_39 (CR2), Buggaboo_37 (CR2), Commandaria_38 (CR2), Dalilpop_41 (CR1), Emianna_36 (CR2), Ennea_42 (CR3), Flapper_40 (CR1), Float294_38 (CR3), Foxboro_37 (CR2), GRU1_26 (CR1), GrootJr_38 (CR2), HomeFry_42 (CR5), Jifall16_35 (CR2), Kabluna_39 (CR2), KidneyBean_36 (CR2), Kurt_36 (CR2), Lollipop1437_41 (CR3), MerCougar_37 (CR2), NatB6_36 (CR2), NosilaM_39 (CR2), NovumRegina_36 (CR2), Outis_37 (CR2), Patio_39 (CR3), Phomeo_35 (CR2), RedRaider_43 (CR3), Scuba_45 (CR5), Skysand_38 (CR3), StarStruck_37 (CR2), SuperSulley_37 (CR2), Tracker_36 (CR2), Turuncu_40 (CR1), Wheezy_36 (CR2),

Summary by clusters:

There are 4 clusters represented in this pham: CR2, 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 CR2:
•Start number 8 was manually annotated 21 times for cluster CR2.

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 5 was manually annotated 2 times for cluster CR5.
•Start number 8 was manually annotated 2 times for cluster CR5.

Gene Information:

Gene: Arti_36 Start: 22150, Stop: 22548, Start Num: 8
Candidate Starts for Arti_36:
(6, 22108), (Start: 8 @22150 has 32 MA's), (10, 22195), (11, 22198), (16, 22318),

Gene: Bonum_39 Start: 22470, Stop: 22886, Start Num: 8
Candidate Starts for Bonum_39:
(2, 21939), (4, 22326), (Start: 8 @22470 has 32 MA's), (10, 22515), (17, 22650),

Gene: Buggaboo_37 Start: 22955, Stop: 23371, Start Num: 8
Candidate Starts for Buggaboo_37:

(1, 22361), (2, 22424), (4, 22811), (Start: 8 @22955 has 32 MA's), (10, 23000), (17, 23135),

Gene: Commandaria_38 Start: 23481, Stop: 23867, Start Num: 8
Candidate Starts for Commandaria_38:
(6, 23433), (7, 23472), (Start: 8 @23481 has 32 MA's), (10, 23526), (12, 23583), (14, 23607),

Gene: Dalilpop_41 Start: 24462, Stop: 24881, Start Num: 8
Candidate Starts for Dalilpop_41:
(Start: 8 @24462 has 32 MA's), (12, 24564), (15, 24591), (18, 24657),

Gene: Emianna_36 Start: 23187, Stop: 23564, Start Num: 8
Candidate Starts for Emianna_36:
(6, 23145), (Start: 8 @23187 has 32 MA's), (10, 23232), (11, 23235), (16, 23355),

Gene: Ennea_42 Start: 23792, Stop: 24199, Start Num: 8
Candidate Starts for Ennea_42:
(3, 23639), (Start: 8 @23792 has 32 MA's), (10, 23837),

Gene: Flapper_40 Start: 23544, Stop: 23942, Start Num: 8
Candidate Starts for Flapper_40:
(Start: 8 @23544 has 32 MA's), (12, 23646), (13, 23667), (18, 23739),

Gene: Float294_38 Start: 23231, Stop: 23638, Start Num: 8
Candidate Starts for Float294_38:
(3, 23078), (Start: 8 @23231 has 32 MA's), (10, 23276),

Gene: Foxboro_37 Start: 23693, Stop: 24070, Start Num: 8
Candidate Starts for Foxboro_37:
(6, 23651), (Start: 8 @23693 has 32 MA's), (10, 23738), (11, 23741), (16, 23861),

Gene: Fury_45 Start: 22755, Stop: 23225, Start Num: 5
Candidate Starts for Fury_45:
(Start: 5 @22755 has 2 MA's), (Start: 8 @22842 has 32 MA's), (9, 22884), (12, 22944),

Gene: GRU1_26 Start: 15429, Stop: 15830, Start Num: 8
Candidate Starts for GRU1_26:
(Start: 8 @15429 has 32 MA's), (12, 15531), (15, 15558), (18, 15624),

Gene: GrootJr_38 Start: 22545, Stop: 22943, Start Num: 8
Candidate Starts for GrootJr_38:
(6, 22503), (Start: 8 @22545 has 32 MA's), (10, 22590), (11, 22593), (16, 22713),

Gene: HomeFry_42 Start: 21487, Stop: 21864, Start Num: 8
Candidate Starts for HomeFry_42:
(Start: 8 @21487 has 32 MA's), (10, 21532), (12, 21589),

Gene: Jifall16_35 Start: 22814, Stop: 23218, Start Num: 8
Candidate Starts for Jifall16_35:
(6, 22772), (Start: 8 @22814 has 32 MA's), (10, 22859), (11, 22862), (16, 22982),

Gene: Kabluna_39 Start: 21870, Stop: 22286, Start Num: 8
Candidate Starts for Kabluna_39:
(4, 21726), (Start: 8 @21870 has 32 MA's), (10, 21915), (17, 22050),

Gene: KidneyBean_36 Start: 22962, Stop: 23342, Start Num: 8
Candidate Starts for KidneyBean_36:
(6, 22920), (Start: 8 @22962 has 32 MA's), (10, 23007), (11, 23010), (16, 23130),

Gene: Kurt_36 Start: 23202, Stop: 23579, Start Num: 8
Candidate Starts for Kurt_36:
(6, 23160), (Start: 8 @23202 has 32 MA's), (10, 23247), (11, 23250), (16, 23370),

Gene: Lollipop1437_41 Start: 23780, Stop: 24187, Start Num: 8
Candidate Starts for Lollipop1437_41:
(3, 23627), (Start: 8 @23780 has 32 MA's), (10, 23825),

Gene: MerCougar_37 Start: 23077, Stop: 23484, Start Num: 8
Candidate Starts for MerCougar_37:
(Start: 8 @23077 has 32 MA's), (10, 23122), (17, 23257),

Gene: NatB6_36 Start: 22211, Stop: 22615, Start Num: 8
Candidate Starts for NatB6_36:
(6, 22169), (Start: 8 @22211 has 32 MA's), (10, 22256), (11, 22259), (16, 22379),

Gene: NosilaM_39 Start: 22767, Stop: 23183, Start Num: 8
Candidate Starts for NosilaM_39:
(4, 22623), (Start: 8 @22767 has 32 MA's), (10, 22812), (17, 22947),

Gene: NovumRegina_36 Start: 22544, Stop: 22942, Start Num: 8
Candidate Starts for NovumRegina_36:
(6, 22502), (Start: 8 @22544 has 32 MA's), (10, 22589), (11, 22592), (16, 22712),

Gene: Outis_37 Start: 22771, Stop: 23172, Start Num: 8
Candidate Starts for Outis_37:
(Start: 8 @22771 has 32 MA's), (10, 22816), (17, 22951),

Gene: Patio_39 Start: 23016, Stop: 23423, Start Num: 8
Candidate Starts for Patio_39:
(3, 22863), (Start: 8 @23016 has 32 MA's), (10, 23061),

Gene: Phomeo_35 Start: 22837, Stop: 23214, Start Num: 8
Candidate Starts for Phomeo_35:
(6, 22795), (Start: 8 @22837 has 32 MA's), (10, 22882), (11, 22885), (16, 23005),

Gene: Pleakley_45 Start: 22756, Stop: 23226, Start Num: 5
Candidate Starts for Pleakley_45:
(Start: 5 @22756 has 2 MA's), (Start: 8 @22843 has 32 MA's), (9, 22885), (12, 22945),

Gene: RedRaider_43 Start: 25020, Stop: 25448, Start Num: 8
Candidate Starts for RedRaider_43:
(3, 24867), (Start: 8 @25020 has 32 MA's), (10, 25065),

Gene: Scuba_45 Start: 22933, Stop: 23316, Start Num: 8
Candidate Starts for Scuba_45:
(Start: 5 @22846 has 2 MA's), (Start: 8 @22933 has 32 MA's), (9, 22975), (12, 23035),

Gene: Skysand_38 Start: 23233, Stop: 23640, Start Num: 8
Candidate Starts for Skysand_38:
(3, 23080), (Start: 8 @23233 has 32 MA's), (10, 23278),

Gene: StarStruck_37 Start: 22771, Stop: 23172, Start Num: 8
Candidate Starts for StarStruck_37:
(Start: 8 @22771 has 32 MA's), (10, 22816), (17, 22951),

Gene: SuperSulley_37 Start: 22955, Stop: 23371, Start Num: 8
Candidate Starts for SuperSulley_37:
(1, 22361), (2, 22424), (4, 22811), (Start: 8 @22955 has 32 MA's), (10, 23000), (17, 23135),

Gene: Tracker_36 Start: 21965, Stop: 22342, Start Num: 8
Candidate Starts for Tracker_36:
(6, 21923), (Start: 8 @21965 has 32 MA's), (10, 22010), (11, 22013), (16, 22133),

Gene: Turuncu_40 Start: 23237, Stop: 23647, Start Num: 8
Candidate Starts for Turuncu_40:
(Start: 8 @23237 has 32 MA's), (12, 23339), (13, 23360), (18, 23432),

Gene: Wheezy_36 Start: 22170, Stop: 22547, Start Num: 8
Candidate Starts for Wheezy_36:
(6, 22128), (Start: 8 @22170 has 32 MA's), (10, 22215), (11, 22218), (16, 22338),