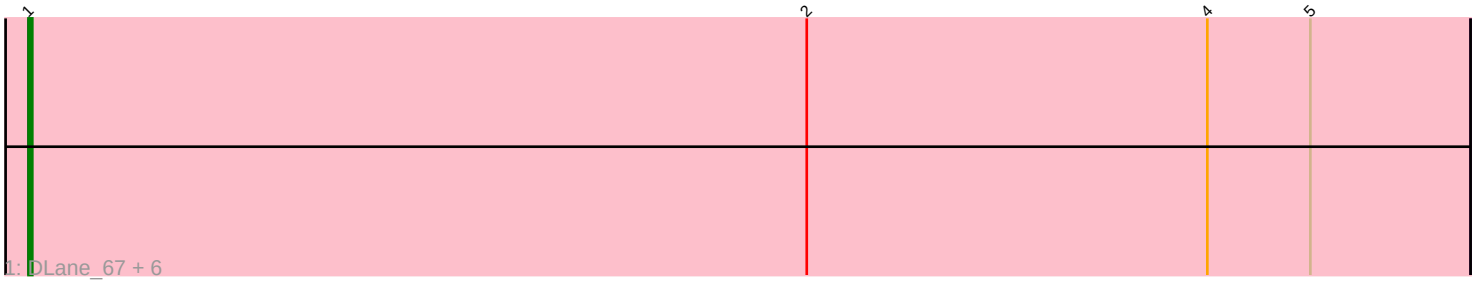
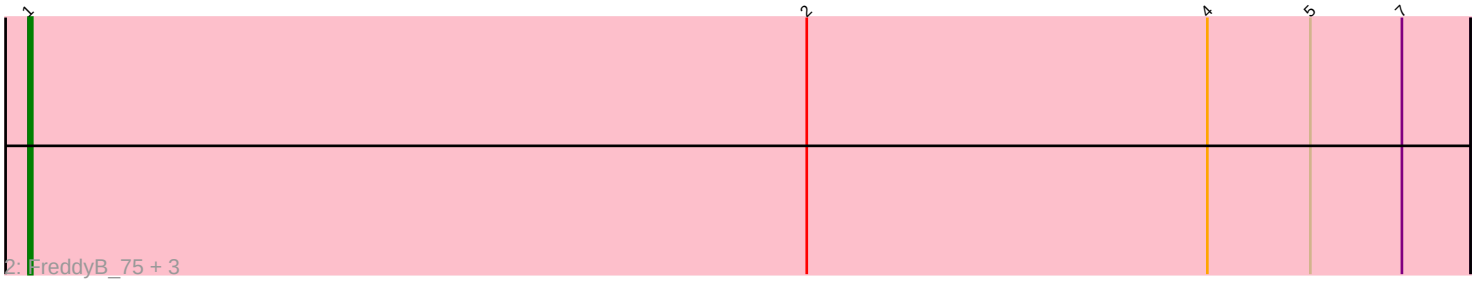
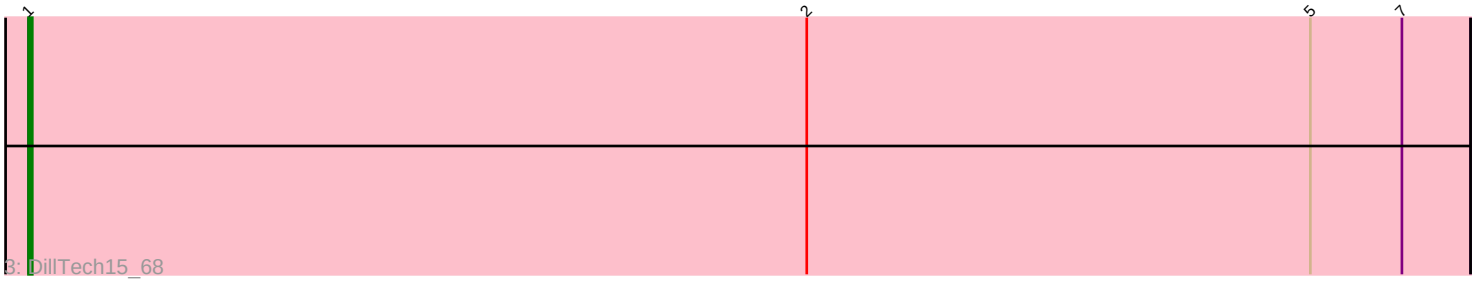
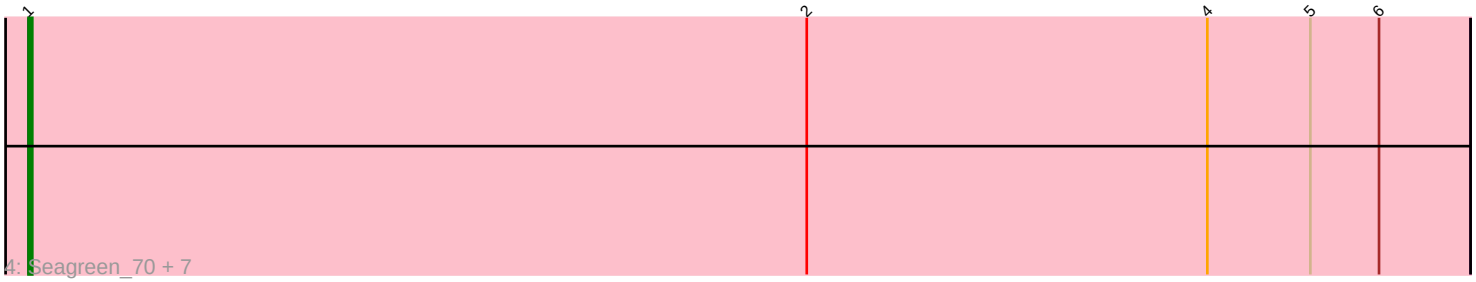
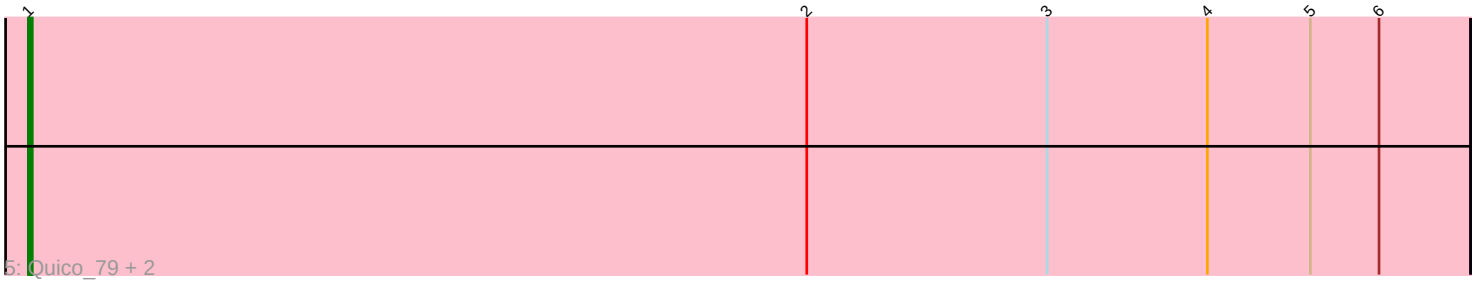
Pham 3677


1
2
4
5
1: DLane_67 + 6


1
2
4
5
7
2: FreddyB_75 + 3


1
2
5
7
3: DillTech15_68


1
2
4
5
6
4: Seagreen_70 + 7


1
2
3
4
5
6
5: Quico_79 + 2

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 3677 Report

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

Pham number 3677 has 23 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DLane_67, Babsiella_57, Akhila_62, MilanaBonita_61, Hamulus_70, Filuzino_70, DotProduct_66
• Track 2 : FreddyB_75, Kenuha5_68, Ramsey_71, Madiba_73
• Track 3 : DillTech15_68
• Track 4 : Seagreen_70, Ovechkin_72, Kingsley_73, Batiatus_68, Ms6_68, Phanphagia_68, Shauna1_69, DaddyRickover_74
• Track 5 : Quico_79, Girafales_79, Florinda_82

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_62, Babsiella_57, Batiatus_68, DLane_67, DaddyRickover_74, DillTech15_68, DotProduct_66, Filuzino_70, Florinda_82, FreddyB_75, Girafales_79, Hamulus_70, Kenuha5_68, Kingsley_73, Madiba_73, MilanaBonita_61, Ms6_68, Ovechkin_72, Phanphagia_68, Quico_79, Ramsey_71, Seagreen_70, Shauna1_69,

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

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

Summary by start number:

Start 1:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akhila_62 (F1), Babsiella_57 (I1), Batiatus_68 (F1), DLane_67 (F1), DaddyRickover_74 (F1), DillTech15_68 (F1), DotProduct_66 (F1), Filuzino_70 (F1), Florinda_82 (F1), FreddyB_75 (F1),

Girafales_79 (F1), Hamulus_70 (F1), Kenuha5_68 (F1), Kingsley_73 (F1), Madiba_73 (F1), MilanaBonita_61 (F1), Ms6_68 (F1), Ovechkin_72 (F1), Phanphagia_68 (F1), Quico_79 (F1), Ramsey_71 (F1), Seagreen_70 (F1), Shauna1_69 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: I1, F1,

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 20 times for cluster F1.

Info for manual annotations of cluster I1:
•Start number 1 was manually annotated 1 time for cluster I1.

Gene Information:

Gene: Akhila_62 Start: 41043, Stop: 40666, Start Num: 1
Candidate Starts for Akhila_62:
(Start: 1 @41043 has 21 MA's), (2, 40839), (4, 40734), (5, 40707),

Gene: Babsiella_57 Start: 39061, Stop: 38684, Start Num: 1
Candidate Starts for Babsiella_57:
(Start: 1 @39061 has 21 MA's), (2, 38857), (4, 38752), (5, 38725),

Gene: Batiatus_68 Start: 44596, Stop: 44219, Start Num: 1
Candidate Starts for Batiatus_68:
(Start: 1 @44596 has 21 MA's), (2, 44392), (4, 44287), (5, 44260), (6, 44242),

Gene: DLane_67 Start: 44530, Stop: 44153, Start Num: 1
Candidate Starts for DLane_67:
(Start: 1 @44530 has 21 MA's), (2, 44326), (4, 44221), (5, 44194),

Gene: DaddyRickover_74 Start: 47129, Stop: 46752, Start Num: 1
Candidate Starts for DaddyRickover_74:
(Start: 1 @47129 has 21 MA's), (2, 46925), (4, 46820), (5, 46793), (6, 46775),

Gene: DillTech15_68 Start: 43371, Stop: 42994, Start Num: 1
Candidate Starts for DillTech15_68:
(Start: 1 @43371 has 21 MA's), (2, 43167), (5, 43035), (7, 43011),

Gene: DotProduct_66 Start: 44310, Stop: 43933, Start Num: 1
Candidate Starts for DotProduct_66:
(Start: 1 @44310 has 21 MA's), (2, 44106), (4, 44001), (5, 43974),

Gene: Filuzino_70 Start: 45081, Stop: 44704, Start Num: 1
Candidate Starts for Filuzino_70:
(Start: 1 @45081 has 21 MA's), (2, 44877), (4, 44772), (5, 44745),

Gene: Florinda_82 Start: 47236, Stop: 46859, Start Num: 1
Candidate Starts for Florinda_82:

(Start: 1 @47236 has 21 MA's), (2, 47032), (3, 46969), (4, 46927), (5, 46900), (6, 46882),

Gene: FreddyB_75 Start: 46471, Stop: 46094, Start Num: 1
Candidate Starts for FreddyB_75:
(Start: 1 @46471 has 21 MA's), (2, 46267), (4, 46162), (5, 46135), (7, 46111),

Gene: Girafales_79 Start: 47027, Stop: 46650, Start Num: 1
Candidate Starts for Girafales_79:
(Start: 1 @47027 has 21 MA's), (2, 46823), (3, 46760), (4, 46718), (5, 46691), (6, 46673),

Gene: Hamulus_70 Start: 45149, Stop: 44772, Start Num: 1
Candidate Starts for Hamulus_70:
(Start: 1 @45149 has 21 MA's), (2, 44945), (4, 44840), (5, 44813),

Gene: Kenuha5_68 Start: 46339, Stop: 45962, Start Num: 1
Candidate Starts for Kenuha5_68:
(Start: 1 @46339 has 21 MA's), (2, 46135), (4, 46030), (5, 46003), (7, 45979),

Gene: Kingsley_73 Start: 47991, Stop: 47614, Start Num: 1
Candidate Starts for Kingsley_73:
(Start: 1 @47991 has 21 MA's), (2, 47787), (4, 47682), (5, 47655), (6, 47637),

Gene: Madiba_73 Start: 46902, Stop: 46525, Start Num: 1
Candidate Starts for Madiba_73:
(Start: 1 @46902 has 21 MA's), (2, 46698), (4, 46593), (5, 46566), (7, 46542),

Gene: MilanaBonita_61 Start: 41043, Stop: 40666, Start Num: 1
Candidate Starts for MilanaBonita_61:
(Start: 1 @41043 has 21 MA's), (2, 40839), (4, 40734), (5, 40707),

Gene: Ms6_68 Start: 40759, Stop: 40382, Start Num: 1
Candidate Starts for Ms6_68:
(Start: 1 @40759 has 21 MA's), (2, 40555), (4, 40450), (5, 40423), (6, 40405),

Gene: Ovechkin_72 Start: 45819, Stop: 45442, Start Num: 1
Candidate Starts for Ovechkin_72:
(Start: 1 @45819 has 21 MA's), (2, 45615), (4, 45510), (5, 45483), (6, 45465),

Gene: Phanphagia_68 Start: 44777, Stop: 44400, Start Num: 1
Candidate Starts for Phanphagia_68:
(Start: 1 @44777 has 21 MA's), (2, 44573), (4, 44468), (5, 44441), (6, 44423),

Gene: Quico_79 Start: 47056, Stop: 46679, Start Num: 1
Candidate Starts for Quico_79:
(Start: 1 @47056 has 21 MA's), (2, 46852), (3, 46789), (4, 46747), (5, 46720), (6, 46702),

Gene: Ramsey_71 Start: 47207, Stop: 46830, Start Num: 1
Candidate Starts for Ramsey_71:
(Start: 1 @47207 has 21 MA's), (2, 47003), (4, 46898), (5, 46871), (7, 46847),

Gene: Seagreen_70 Start: 44655, Stop: 44278, Start Num: 1
Candidate Starts for Seagreen_70:
(Start: 1 @44655 has 21 MA's), (2, 44451), (4, 44346), (5, 44319), (6, 44301),

Gene: Shauna1_69 Start: 45027, Stop: 44650, Start Num: 1
Candidate Starts for Shauna1_69:
(Start: 1 @45027 has 21 MA's), (2, 44823), (4, 44718), (5, 44691), (6, 44673),