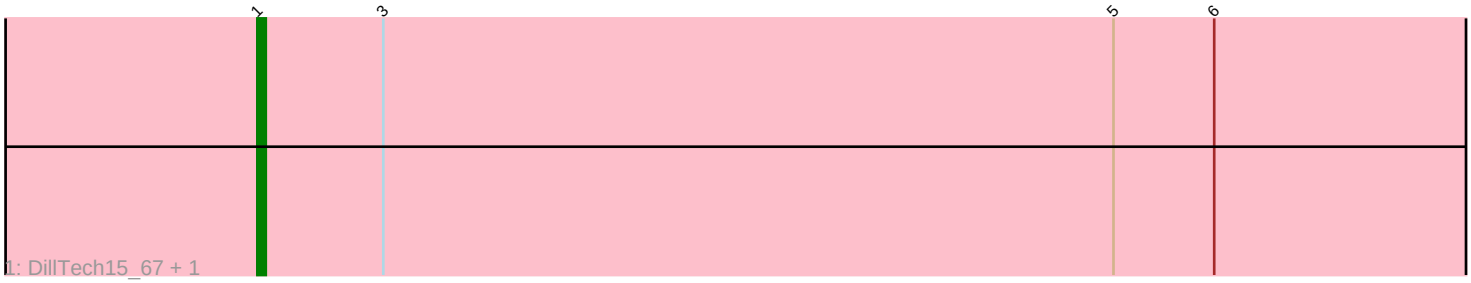
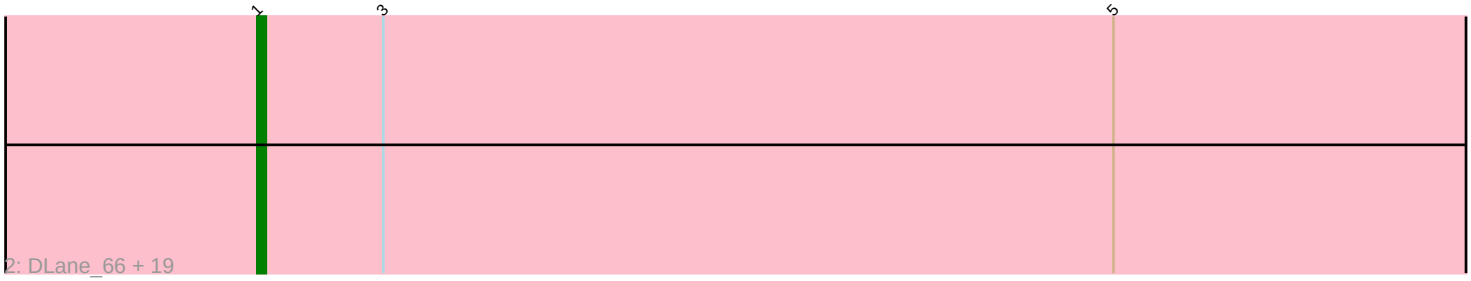
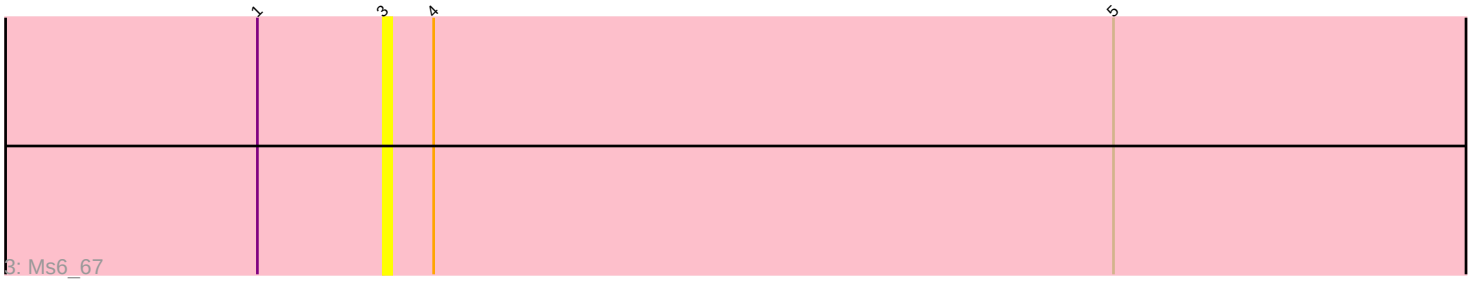
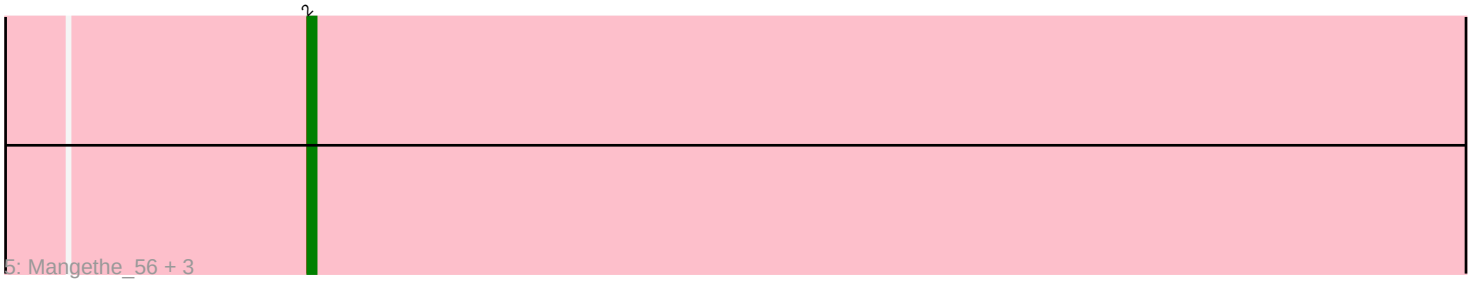
Pham 194261


1
3
5
6
1: DillTech15_67 + 1


1
3
5
2: DLane_66 + 19


1
3
4
5
3: Ms6_67


1
3
5
4: Philonius_56


2
5: Mangethe_56 + 3

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 194261 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194261 has 28 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DillTech15_67, Madiba_72
• Track 2 : DLane_66, FreddyB_74, Babsiella_56, Seagreen_69, Akhila_61, Ovechkin_71, MilanaBonita_60, Filuzino_69, Kingsley_72, Batiatus_67, Quico_78, Girafales_78, Ramsey_70, Kenuha5_67, Florinda_81, DotProduct_65, Phanphagia_67, Shauna1_68, DaddyRickover_73, Hamulus_69
• Track 3 : Ms6_67
• Track 4 : Philonius_56
• Track 5 : Mangethe_56, Majeke_56, Zilizebeth_56, Phegasus_56

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 22 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_61, Babsiella_56, Batiatus_67, DLane_66, DaddyRickover_73, DillTech15_67, DotProduct_65, Filuzino_69, Florinda_81, FreddyB_74, Girafales_78, Hamulus_69, Kenuha5_67, Kingsley_72, Madiba_72, MilanaBonita_60, Ovechkin_71, Phanphagia_67, Philonius_56, Quico_78, Ramsey_70, Seagreen_69, Shauna1_68,

Genes that have the "Most Annotated" start but do not call it:
• Ms6_67,

Genes that do not have the "Most Annotated" start:
• Majeke_56, Mangethe_56, Phegasus_56, Zilizebeth_56,

Summary by start number:

Start 1:
• Found in 24 of 28 (85.7%) of genes in pham
• Manual Annotations of this start: 22 of 26
• Called 95.8% of time when present

• Phage (with cluster) where this start called: Akhila_61 (F1), Babsiella_56 (I1), Batiatus_67 (F1), DLane_66 (F1), DaddyRickover_73 (F1), DillTech15_67 (F1), DotProduct_65 (F1), Filuzino_69 (F1), Florinda_81 (F1), FreddyB_74 (F1), Girafales_78 (F1), Hamulus_69 (F1), Kenuha5_67 (F1), Kingsley_72 (F1), Madiba_72 (F1), MilanaBonita_60 (F1), Ovechkin_71 (F1), Phanphagia_67 (F1), Philonius_56 (N), Quico_78 (F1), Ramsey_70 (F1), Seagreen_69 (F1), Shauna1_68 (F1),

Start 2:
• Found in 4 of 28 (14.3%) of genes in pham
• Manual Annotations of this start: 4 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Majeke_56 (P1), Mangethe_56 (P1), Phegasus_56 (P1), Zilizebeth_56 (P1),

Start 3:
• Found in 24 of 28 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Ms6_67 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: I1, F1, P1, N,

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.

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

Info for manual annotations of cluster P1:
•Start number 2 was manually annotated 4 times for cluster P1.

Gene Information:

Gene: Akhila_61 Start: 40673, Stop: 40512, Start Num: 1
Candidate Starts for Akhila_61:
(Start: 1 @40673 has 22 MA's), (3, 40658), (5, 40571),

Gene: Babsiella_56 Start: 38691, Stop: 38530, Start Num: 1
Candidate Starts for Babsiella_56:
(Start: 1 @38691 has 22 MA's), (3, 38676), (5, 38589),

Gene: Batiatus_67 Start: 44226, Stop: 44065, Start Num: 1
Candidate Starts for Batiatus_67:
(Start: 1 @44226 has 22 MA's), (3, 44211), (5, 44124),

Gene: DLane_66 Start: 44160, Stop: 43999, Start Num: 1
Candidate Starts for DLane_66:
(Start: 1 @44160 has 22 MA's), (3, 44145), (5, 44058),

Gene: DaddyRickover_73 Start: 46759, Stop: 46598, Start Num: 1
Candidate Starts for DaddyRickover_73:
(Start: 1 @46759 has 22 MA's), (3, 46744), (5, 46657),

Gene: DillTech15_67 Start: 43001, Stop: 42840, Start Num: 1
Candidate Starts for DillTech15_67:
(Start: 1 @43001 has 22 MA's), (3, 42986), (5, 42899), (6, 42887),

Gene: DotProduct_65 Start: 43940, Stop: 43779, Start Num: 1
Candidate Starts for DotProduct_65:
(Start: 1 @43940 has 22 MA's), (3, 43925), (5, 43838),

Gene: Filuzino_69 Start: 44711, Stop: 44550, Start Num: 1
Candidate Starts for Filuzino_69:
(Start: 1 @44711 has 22 MA's), (3, 44696), (5, 44609),

Gene: Florinda_81 Start: 46866, Stop: 46705, Start Num: 1
Candidate Starts for Florinda_81:
(Start: 1 @46866 has 22 MA's), (3, 46851), (5, 46764),

Gene: FreddyB_74 Start: 46101, Stop: 45940, Start Num: 1
Candidate Starts for FreddyB_74:
(Start: 1 @46101 has 22 MA's), (3, 46086), (5, 45999),

Gene: Girafales_78 Start: 46657, Stop: 46496, Start Num: 1
Candidate Starts for Girafales_78:
(Start: 1 @46657 has 22 MA's), (3, 46642), (5, 46555),

Gene: Hamulus_69 Start: 44779, Stop: 44618, Start Num: 1
Candidate Starts for Hamulus_69:
(Start: 1 @44779 has 22 MA's), (3, 44764), (5, 44677),

Gene: Kenuha5_67 Start: 45969, Stop: 45808, Start Num: 1
Candidate Starts for Kenuha5_67:
(Start: 1 @45969 has 22 MA's), (3, 45954), (5, 45867),

Gene: Kingsley_72 Start: 47621, Stop: 47460, Start Num: 1
Candidate Starts for Kingsley_72:
(Start: 1 @47621 has 22 MA's), (3, 47606), (5, 47519),

Gene: Madiba_72 Start: 46532, Stop: 46371, Start Num: 1
Candidate Starts for Madiba_72:
(Start: 1 @46532 has 22 MA's), (3, 46517), (5, 46430), (6, 46418),

Gene: Majeke_56 Start: 37433, Stop: 37278, Start Num: 2
Candidate Starts for Majeke_56:
(Start: 2 @37433 has 4 MA's),

Gene: Mangethe_56 Start: 37433, Stop: 37278, Start Num: 2

Candidate Starts for Mangethe_56:
(Start: 2 @37433 has 4 MA's),

Gene: MilanaBonita_60 Start: 40673, Stop: 40512, Start Num: 1
Candidate Starts for MilanaBonita_60:
(Start: 1 @40673 has 22 MA's), (3, 40658), (5, 40571),

Gene: Ms6_67 Start: 40374, Stop: 40228, Start Num: 3
Candidate Starts for Ms6_67:
(Start: 1 @40389 has 22 MA's), (3, 40374), (4, 40368), (5, 40287),

Gene: Ovechkin_71 Start: 45449, Stop: 45288, Start Num: 1
Candidate Starts for Ovechkin_71:
(Start: 1 @45449 has 22 MA's), (3, 45434), (5, 45347),

Gene: Phanphagia_67 Start: 44407, Stop: 44246, Start Num: 1
Candidate Starts for Phanphagia_67:
(Start: 1 @44407 has 22 MA's), (3, 44392), (5, 44305),

Gene: Phegasus_56 Start: 37400, Stop: 37245, Start Num: 2
Candidate Starts for Phegasus_56:
(Start: 2 @37400 has 4 MA's),

Gene: Philonius_56 Start: 37045, Stop: 36884, Start Num: 1
Candidate Starts for Philonius_56:
(Start: 1 @37045 has 22 MA's), (3, 37030), (5, 36943),

Gene: Quico_78 Start: 46686, Stop: 46525, Start Num: 1
Candidate Starts for Quico_78:
(Start: 1 @46686 has 22 MA's), (3, 46671), (5, 46584),

Gene: Ramsey_70 Start: 46837, Stop: 46676, Start Num: 1
Candidate Starts for Ramsey_70:
(Start: 1 @46837 has 22 MA's), (3, 46822), (5, 46735),

Gene: Seagreen_69 Start: 44285, Stop: 44124, Start Num: 1
Candidate Starts for Seagreen_69:
(Start: 1 @44285 has 22 MA's), (3, 44270), (5, 44183),

Gene: Shauna1_68 Start: 44657, Stop: 44496, Start Num: 1
Candidate Starts for Shauna1_68:
(Start: 1 @44657 has 22 MA's), (3, 44642), (5, 44555),

Gene: Zilizebeth_56 Start: 37424, Stop: 37269, Start Num: 2
Candidate Starts for Zilizebeth_56:
(Start: 2 @37424 has 4 MA's),