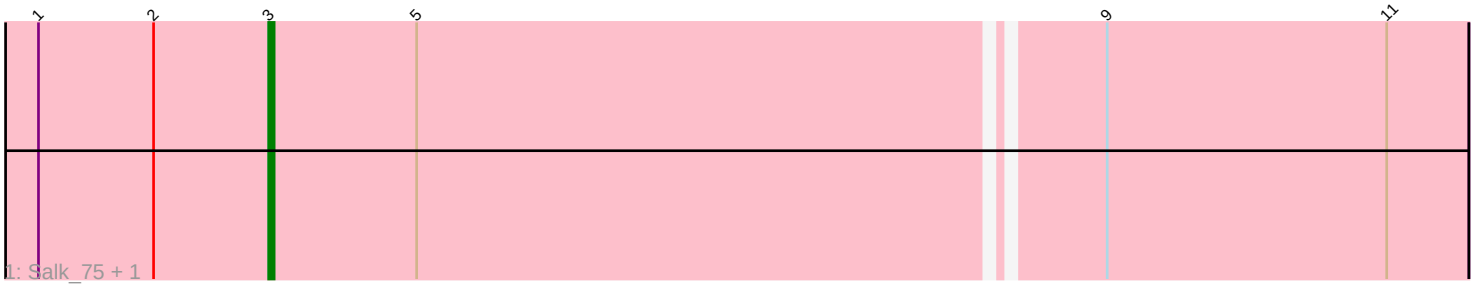
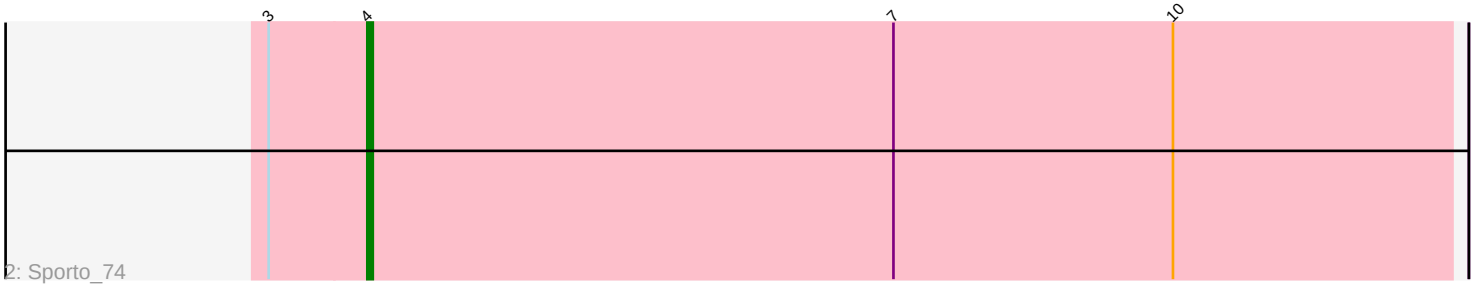
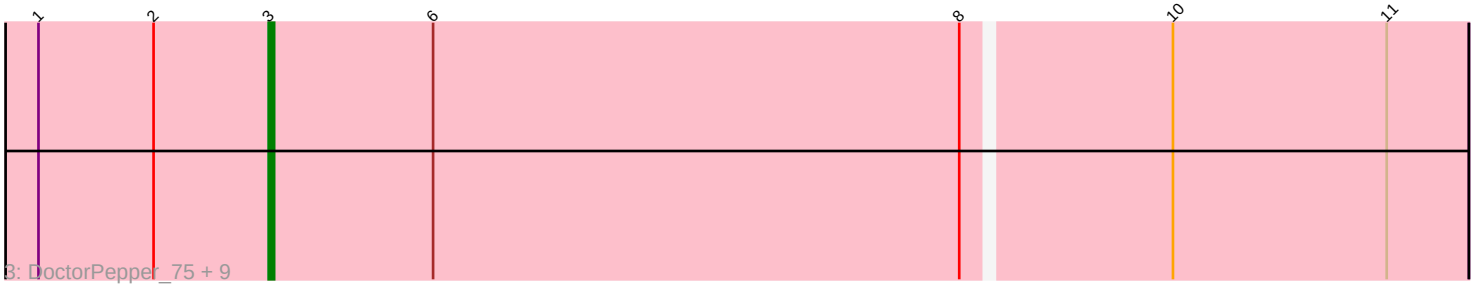
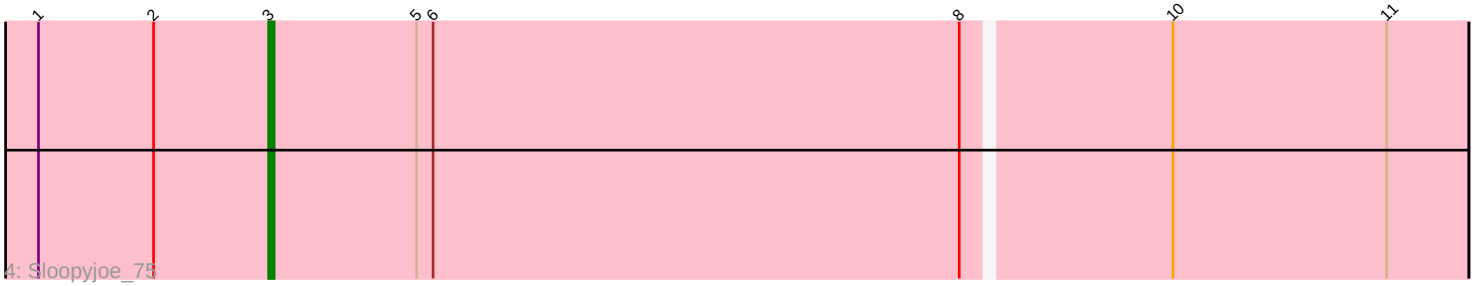
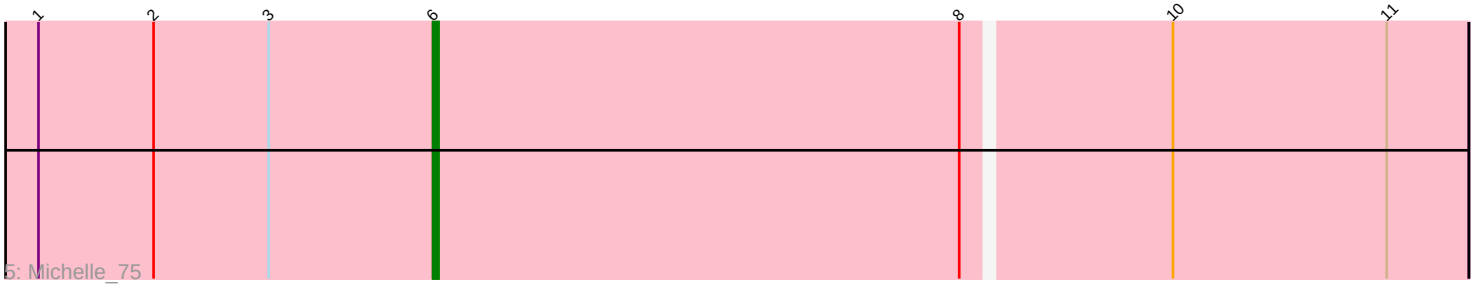
Pham 5634


1
2
3
5
9
11
1: Salk_75 + 1


3
4
7
10
2: Sporto_74


1
2
3
6
8
10
11
3: DoctorPepper_75 + 9


1
2
3
5
6
8
10
11
4: Sloopyjoe_75


1
2
3
6
8
10
11
5: Michelle_75

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 5634 Report

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

Pham number 5634 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Salk_75, Linda_75
• Track 2 : Sporto_74
• Track 3 : DoctorPepper_75, Djungelskog_74, BronxBay_75, MrAaronian_75, Shiba_74, Stayer_75, Raunak_76, StarLord_75, Egad_75, ProfFrink_76
• Track 4 : Sloopyjoe_75
• Track 5 : Michelle_75

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_75, Djungelskog_74, DoctorPepper_75, Egad_75, Linda_75, MrAaronian_75, ProfFrink_76, Raunak_76, Salk_75, Shiba_74, Sloopyjoe_75, StarLord_75, Stayer_75,

Genes that have the "Most Annotated" start but do not call it:
• Michelle_75, Sporto_74,

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

Summary by start number:

Start 3:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 86.7% of time when present
• Phage (with cluster) where this start called: BronxBay_75 (AW), Djungelskog_74 (AW), DoctorPepper_75 (AW), Egad_75 (AW), Linda_75 (AW), MrAaronian_75 (AW), ProfFrink_76 (AW), Raunak_76 (AW), Salk_75 (AW), Shiba_74 (AW), Sloopyjoe_75 (AW), StarLord_75 (AW), Stayer_75 (AW),

Start 4:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sporto_74 (AW),

Start 6:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Michelle_75 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:
•Start number 3 was manually annotated 10 times for cluster AW.
•Start number 4 was manually annotated 1 time for cluster AW.
•Start number 6 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: BronxBay_75 Start: 47373, Stop: 47588, Start Num: 3
Candidate Starts for BronxBay_75:
(1, 47331), (2, 47352), (Start: 3 @47373 has 10 MA's), (Start: 6 @47403 has 1 MA's), (8, 47499), (10, 47535), (11, 47574),

Gene: Djungelskog_74 Start: 47375, Stop: 47590, Start Num: 3
Candidate Starts for Djungelskog_74:
(1, 47333), (2, 47354), (Start: 3 @47375 has 10 MA's), (Start: 6 @47405 has 1 MA's), (8, 47501), (10, 47537), (11, 47576),

Gene: DoctorPepper_75 Start: 47068, Stop: 47283, Start Num: 3
Candidate Starts for DoctorPepper_75:
(1, 47026), (2, 47047), (Start: 3 @47068 has 10 MA's), (Start: 6 @47098 has 1 MA's), (8, 47194), (10, 47230), (11, 47269),

Gene: Egad_75 Start: 47342, Stop: 47557, Start Num: 3
Candidate Starts for Egad_75:
(1, 47300), (2, 47321), (Start: 3 @47342 has 10 MA's), (Start: 6 @47372 has 1 MA's), (8, 47468), (10, 47504), (11, 47543),

Gene: Linda_75 Start: 47358, Stop: 47570, Start Num: 3
Candidate Starts for Linda_75:
(1, 47316), (2, 47337), (Start: 3 @47358 has 10 MA's), (5, 47385), (9, 47505), (11, 47556),

Gene: Michelle_75 Start: 47402, Stop: 47587, Start Num: 6
Candidate Starts for Michelle_75:
(1, 47330), (2, 47351), (Start: 3 @47372 has 10 MA's), (Start: 6 @47402 has 1 MA's), (8, 47498), (10, 47534), (11, 47573),

Gene: MrAaronian_75 Start: 47372, Stop: 47587, Start Num: 3
Candidate Starts for MrAaronian_75:
(1, 47330), (2, 47351), (Start: 3 @47372 has 10 MA's), (Start: 6 @47402 has 1 MA's), (8, 47498), (10, 47534), (11, 47573),

Gene: ProfFrink_76 Start: 47341, Stop: 47556, Start Num: 3
Candidate Starts for ProfFrink_76:
(1, 47299), (2, 47320), (Start: 3 @47341 has 10 MA's), (Start: 6 @47371 has 1 MA's), (8, 47467), (10, 47503), (11, 47542),

Gene: Raunak_76 Start: 47051, Stop: 47266, Start Num: 3
Candidate Starts for Raunak_76:
(1, 47009), (2, 47030), (Start: 3 @47051 has 10 MA's), (Start: 6 @47081 has 1 MA's), (8, 47177), (10, 47213), (11, 47252),

Gene: Salk_75 Start: 47358, Stop: 47570, Start Num: 3
Candidate Starts for Salk_75:
(1, 47316), (2, 47337), (Start: 3 @47358 has 10 MA's), (5, 47385), (9, 47505), (11, 47556),

Gene: Shiba_74 Start: 47067, Stop: 47282, Start Num: 3
Candidate Starts for Shiba_74:
(1, 47025), (2, 47046), (Start: 3 @47067 has 10 MA's), (Start: 6 @47097 has 1 MA's), (8, 47193), (10, 47229), (11, 47268),

Gene: Sloopyjoe_75 Start: 47374, Stop: 47589, Start Num: 3
Candidate Starts for Sloopyjoe_75:
(1, 47332), (2, 47353), (Start: 3 @47374 has 10 MA's), (5, 47401), (Start: 6 @47404 has 1 MA's), (8, 47500), (10, 47536), (11, 47575),

Gene: Sporto_74 Start: 48408, Stop: 48605, Start Num: 4
Candidate Starts for Sporto_74:
(Start: 3 @48396 has 10 MA's), (Start: 4 @48408 has 1 MA's), (7, 48504), (10, 48555),

Gene: StarLord_75 Start: 47367, Stop: 47582, Start Num: 3
Candidate Starts for StarLord_75:
(1, 47325), (2, 47346), (Start: 3 @47367 has 10 MA's), (Start: 6 @47397 has 1 MA's), (8, 47493), (10, 47529), (11, 47568),

Gene: Stayer_75 Start: 47370, Stop: 47585, Start Num: 3
Candidate Starts for Stayer_75:
(1, 47328), (2, 47349), (Start: 3 @47370 has 10 MA's), (Start: 6 @47400 has 1 MA's), (8, 47496), (10, 47532), (11, 47571),