Pham 224975

7
10
11
13
14
15
1: Wilde_54
4
17
2: Kinny_40
2
7
8
12
18
19
3: Michelle_66 + 10
1
2
6
7
12
16
18
4: Sporto_65
3
5
7
9
5: Sonali_75
3
5
7
9
15
6: Sunshine23_77

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 224975 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224975 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wilde_54
• Track 2 : Kinny_40
• Track 3 : Michelle_66, Salk_66, BronxBay_66, DoctorPepper_65, StarLord_66, Sloopyjoe_66, Shiba_65, MrAaronian_66, Stayer_66, Linda_66, Djungelskog_65
• Track 4 : Sporto_65
• Track 5 : Sonali_75
• Track 6 : Sunshine23_77

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

The start number called the most often in the published annotations is 7, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_66, Djungelskog_65, DoctorPepper_65, Linda_66, Michelle_66, MrAaronian_66, Salk_66, Shiba_65, Sloopyjoe_66, Sporto_65, StarLord_66, Stayer_66, Sunshine23_77, Wilde_54,

Genes that have the "Most Annotated" start but do not call it:
• Sonali_75,

Genes that do not have the "Most Annotated" start:
• Kinny_40,

Summary by start number:

Start 3:
• Found in 2 of 16 (12.5%) 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: Sonali_75 (FG),

Start 4:
• Found in 1 of 16 (6.2%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kinny_40 (AU6),

Start 7:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 93.3% of time when present
• Phage (with cluster) where this start called: BronxBay_66 (AW), Djungelskog_65 (AW), DoctorPepper_65 (AW), Linda_66 (AW), Michelle_66 (AW), MrAaronian_66 (AW), Salk_66 (AW), Shiba_65 (AW), Sloopyjoe_66 (AW), Sporto_65 (AW), StarLord_66 (AW), Stayer_66 (AW), Sunshine23_77 (FG), Wilde_54 (AP1),

Summary by clusters:

There are 4 clusters represented in this pham: AU6, AP1, AW, FG,

Info for manual annotations of cluster AP1:
•Start number 7 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AW:
•Start number 7 was manually annotated 12 times for cluster AW.

Info for manual annotations of cluster FG:
•Start number 3 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: BronxBay_66 Start: 42743, Stop: 43054, Start Num: 7
Candidate Starts for BronxBay_66:
(2, 42701), (Start: 7 @42743 has 13 MA's), (8, 42776), (12, 42893), (18, 43016), (19, 43028),

Gene: Djungelskog_65 Start: 42742, Stop: 43056, Start Num: 7
Candidate Starts for Djungelskog_65:
(2, 42700), (Start: 7 @42742 has 13 MA's), (8, 42775), (12, 42895), (18, 43018), (19, 43030),

Gene: DoctorPepper_65 Start: 42447, Stop: 42758, Start Num: 7
Candidate Starts for DoctorPepper_65:
(2, 42405), (Start: 7 @42447 has 13 MA's), (8, 42480), (12, 42597), (18, 42720), (19, 42732),

Gene: Kinny_40 Start: 30437, Stop: 30787, Start Num: 4
Candidate Starts for Kinny_40:
(4, 30437), (17, 30746),

Gene: Linda_66 Start: 42740, Stop: 43051, Start Num: 7
Candidate Starts for Linda_66:
(2, 42698), (Start: 7 @42740 has 13 MA's), (8, 42773), (12, 42890), (18, 43013), (19, 43025),

Gene: Michelle_66 Start: 42742, Stop: 43053, Start Num: 7
Candidate Starts for Michelle_66:

(2, 42700), (Start: 7 @42742 has 13 MA's), (8, 42775), (12, 42892), (18, 43015), (19, 43027),

Gene: MrAaronian_66 Start: 42742, Stop: 43053, Start Num: 7
Candidate Starts for MrAaronian_66:
(2, 42700), (Start: 7 @42742 has 13 MA's), (8, 42775), (12, 42892), (18, 43015), (19, 43027),

Gene: Salk_66 Start: 42740, Stop: 43051, Start Num: 7
Candidate Starts for Salk_66:
(2, 42698), (Start: 7 @42740 has 13 MA's), (8, 42773), (12, 42890), (18, 43013), (19, 43025),

Gene: Shiba_65 Start: 42398, Stop: 42709, Start Num: 7
Candidate Starts for Shiba_65:
(2, 42356), (Start: 7 @42398 has 13 MA's), (8, 42431), (12, 42548), (18, 42671), (19, 42683),

Gene: Sloopyjoe_66 Start: 42744, Stop: 43055, Start Num: 7
Candidate Starts for Sloopyjoe_66:
(2, 42702), (Start: 7 @42744 has 13 MA's), (8, 42777), (12, 42894), (18, 43017), (19, 43029),

Gene: Sonali_75 Start: 48306, Stop: 48659, Start Num: 3
Candidate Starts for Sonali_75:
(Start: 3 @48306 has 1 MA's), (5, 48330), (Start: 7 @48348 has 13 MA's), (9, 48411),

Gene: Sporto_65 Start: 43859, Stop: 44170, Start Num: 7
Candidate Starts for Sporto_65:
(1, 43772), (2, 43817), (6, 43856), (Start: 7 @43859 has 13 MA's), (12, 44009), (16, 44102), (18, 44132),

Gene: StarLord_66 Start: 42737, Stop: 43048, Start Num: 7
Candidate Starts for StarLord_66:
(2, 42695), (Start: 7 @42737 has 13 MA's), (8, 42770), (12, 42887), (18, 43010), (19, 43022),

Gene: Stayer_66 Start: 42740, Stop: 43051, Start Num: 7
Candidate Starts for Stayer_66:
(2, 42698), (Start: 7 @42740 has 13 MA's), (8, 42773), (12, 42890), (18, 43013), (19, 43025),

Gene: Sunshine23_77 Start: 48481, Stop: 48795, Start Num: 7
Candidate Starts for Sunshine23_77:
(Start: 3 @48439 has 1 MA's), (5, 48463), (Start: 7 @48481 has 13 MA's), (9, 48544), (15, 48676),

Gene: Wilde_54 Start: 41249, Stop: 40941, Start Num: 7
Candidate Starts for Wilde_54:
(Start: 7 @41249 has 13 MA's), (10, 41177), (11, 41174), (13, 41093), (14, 41087), (15, 41069),