Pham 311928


7
8
13
1: Elsa_66 + 12
7
13
14
2: Kardesai_66 + 9
5
6
11
12
15
16
3: TrixiePhattel_66
2
3
4
9
11
12
4: Zeina_67
1
10
5: Crewmate_30
1
10
6: ObiToo_29

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 311928 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311928 has 27 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Elsa_66, Arcadia_66, GoCrazy_63, Tribby_69, YoshiYama_67, Nason_66, Xenomorph_62, Cheesy_66, Stardom_65, Correa_64, KeaneyLin_62, Bowling_67, Circum_67
• Track 2 : Kardesai_66, NapoleonB_67, Dynamite_66, Mooshroom_67, JEGGS_65, Benllo_63, Hankly_65, Mudcat_62, Heisenberger_65, BenitoAntonio_64
• Track 3 : TrixiePhattel_66
• Track 4 : Zeina_67
• Track 5 : Crewmate_30
• Track 6 : ObiToo_29

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 21 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_66, BenitoAntonio_64, Benllo_63, Bowling_67, Cheesy_66, Circum_67, Correa_64, Dynamite_66, Elsa_66, GoCrazy_63, Hankly_65, Heisenberger_65, JEGGS_65, Kardesai_66, KeaneyLin_62, Mooshroom_67, Mudcat_62, NapoleonB_67, Nason_66, Stardom_65, Tribby_69, Xenomorph_62, YoshiYama_67,

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

Genes that do not have the "Most Annotated" start:
• Crewmate_30, ObiToo_29, TrixiePhattel_66, Zeina_67,

Summary by start number:

Start 6:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TrixiePhattel_66 (AU6),

Start 7:
• Found in 23 of 27 (85.2%) of genes in pham
• Manual Annotations of this start: 21 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_66 (AM), BenitoAntonio_64 (AM), Benllo_63 (AM), Bowling_67 (AM), Cheesy_66 (AM), Circum_67 (AM), Correa_64 (AM), Dynamite_66 (AM), Elsa_66 (AM), GoCrazy_63 (AM), Hankly_65 (AM), Heisenberger_65 (AM), JEGGS_65 (AM), Kardesai_66 (AM), KeaneyLin_62 (AM), Mooshroom_67 (AM), Mudcat_62 (AM), NapoleonB_67 (AM), Nason_66 (AM), Stardom_65 (AM), Tribby_69 (AM), Xenomorph_62 (AM), YoshiYama_67 (AM),

Start 9:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeina_67 (AU6),

Start 10:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Crewmate_30 (AZ1), ObiToo_29 (AZ1),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, AM, AU6,

Info for manual annotations of cluster AM:
•Start number 7 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster AU6:
•Start number 6 was manually annotated 1 time for cluster AU6.
•Start number 9 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster AZ1:
•Start number 10 was manually annotated 2 times for cluster AZ1.

Gene Information:

Gene: Arcadia_66 Start: 42435, Stop: 42563, Start Num: 7
Candidate Starts for Arcadia_66:
(Start: 7 @42435 has 21 MA's), (8, 42438), (13, 42498),

Gene: BenitoAntonio_64 Start: 41457, Stop: 41585, Start Num: 7
Candidate Starts for BenitoAntonio_64:
(Start: 7 @41457 has 21 MA's), (13, 41520), (14, 41538),

Gene: Benllo_63 Start: 42135, Stop: 42263, Start Num: 7
Candidate Starts for Benllo_63:
(Start: 7 @42135 has 21 MA's), (13, 42198), (14, 42216),

Gene: Bowling_67 Start: 42424, Stop: 42552, Start Num: 7
Candidate Starts for Bowling_67:
(Start: 7 @42424 has 21 MA's), (8, 42427), (13, 42487),

Gene: Cheesy_66 Start: 41658, Stop: 41786, Start Num: 7
Candidate Starts for Cheesy_66:
(Start: 7 @41658 has 21 MA's), (8, 41661), (13, 41721),

Gene: Circum_67 Start: 42225, Stop: 42353, Start Num: 7
Candidate Starts for Circum_67:
(Start: 7 @42225 has 21 MA's), (8, 42228), (13, 42288),

Gene: Correa_64 Start: 41229, Stop: 41357, Start Num: 7
Candidate Starts for Correa_64:
(Start: 7 @41229 has 21 MA's), (8, 41232), (13, 41292),

Gene: Crewmate_30 Start: 23033, Stop: 23152, Start Num: 10
Candidate Starts for Crewmate_30:
(1, 22868), (Start: 10 @23033 has 2 MA's),

Gene: Dynamite_66 Start: 42238, Stop: 42366, Start Num: 7
Candidate Starts for Dynamite_66:
(Start: 7 @42238 has 21 MA's), (13, 42301), (14, 42319),

Gene: Elsa_66 Start: 42435, Stop: 42563, Start Num: 7
Candidate Starts for Elsa_66:
(Start: 7 @42435 has 21 MA's), (8, 42438), (13, 42498),

Gene: GoCrazy_63 Start: 41690, Stop: 41818, Start Num: 7
Candidate Starts for GoCrazy_63:
(Start: 7 @41690 has 21 MA's), (8, 41693), (13, 41753),

Gene: Hankly_65 Start: 41306, Stop: 41434, Start Num: 7
Candidate Starts for Hankly_65:
(Start: 7 @41306 has 21 MA's), (13, 41369), (14, 41387),

Gene: Heisenberger_65 Start: 41644, Stop: 41772, Start Num: 7
Candidate Starts for Heisenberger_65:
(Start: 7 @41644 has 21 MA's), (13, 41707), (14, 41725),

Gene: JEGGS_65 Start: 41723, Stop: 41851, Start Num: 7
Candidate Starts for JEGGS_65:
(Start: 7 @41723 has 21 MA's), (13, 41786), (14, 41804),

Gene: Kardesai_66 Start: 42032, Stop: 42160, Start Num: 7
Candidate Starts for Kardesai_66:
(Start: 7 @42032 has 21 MA's), (13, 42095), (14, 42113),

Gene: KeaneyLin_62 Start: 41690, Stop: 41818, Start Num: 7
Candidate Starts for KeaneyLin_62:
(Start: 7 @41690 has 21 MA's), (8, 41693), (13, 41753),

Gene: Mooshroom_67 Start: 42032, Stop: 42160, Start Num: 7
Candidate Starts for Mooshroom_67:
(Start: 7 @42032 has 21 MA's), (13, 42095), (14, 42113),

Gene: Mudcat_62 Start: 43081, Stop: 43209, Start Num: 7
Candidate Starts for Mudcat_62:
(Start: 7 @43081 has 21 MA's), (13, 43144), (14, 43162),

Gene: NapoleonB_67 Start: 42238, Stop: 42366, Start Num: 7
Candidate Starts for NapoleonB_67:
(Start: 7 @42238 has 21 MA's), (13, 42301), (14, 42319),

Gene: Nason_66 Start: 42435, Stop: 42563, Start Num: 7
Candidate Starts for Nason_66:
(Start: 7 @42435 has 21 MA's), (8, 42438), (13, 42498),

Gene: ObiToo_29 Start: 22773, Stop: 22892, Start Num: 10
Candidate Starts for ObiToo_29:
(1, 22605), (Start: 10 @22773 has 2 MA's),

Gene: Stardom_65 Start: 41029, Stop: 41157, Start Num: 7
Candidate Starts for Stardom_65:
(Start: 7 @41029 has 21 MA's), (8, 41032), (13, 41092),

Gene: Tribby_69 Start: 42615, Stop: 42743, Start Num: 7
Candidate Starts for Tribby_69:
(Start: 7 @42615 has 21 MA's), (8, 42618), (13, 42678),

Gene: TrixiePhattel_66 Start: 42308, Stop: 42451, Start Num: 6
Candidate Starts for TrixiePhattel_66:
(5, 42299), (Start: 6 @42308 has 1 MA's), (11, 42341), (12, 42347), (15, 42404), (16, 42443),

Gene: Xenomorph_62 Start: 42106, Stop: 42234, Start Num: 7
Candidate Starts for Xenomorph_62:
(Start: 7 @42106 has 21 MA's), (8, 42109), (13, 42169),

Gene: YoshiYama_67 Start: 42675, Stop: 42803, Start Num: 7
Candidate Starts for YoshiYama_67:
(Start: 7 @42675 has 21 MA's), (8, 42678), (13, 42738),

Gene: Zeina_67 Start: 42828, Stop: 42944, Start Num: 9
Candidate Starts for Zeina_67:
(2, 42765), (3, 42777), (4, 42795), (Start: 9 @42828 has 1 MA's), (11, 42858), (12, 42864),