Pham 106525

3
4
5
7
8
9
10
11
15
16
1: Nitzel_81
6
10
12
13
14
2: Rebel_60 + 3
6
10
13
3: Xerxes_66 + 19
1
6
10
13
14
4: Panchino_59 + 2
1
2
6
10
13
14
5: Xeno_63

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 106525 Report

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

Pham number 106525 has 29 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Nitzel_81
• Track 2 : Rebel_60, Kevin1_65, Rubeelu_62, Butters_62
• Track 3 : Xerxes_66, Magsby_65, Scitech_61, Pipsqueaks_67, Schnauzer_67, Smurph_66, Parmesanjohn_66, Melville_71, Fulbright_64, Philonius_66, Phloss_64, Silvafighter_68, Duplicity_64, Tapioca_64, Aggie_62, Chewbacca_69, Bosection6_65, Journey_61, Gex_67, Silvy_67
• Track 4 : Panchino_59, Shweta_61, PhancyPhin_63
• Track 5 : Xeno_63

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

The start number called the most often in the published annotations is 6, it was called in 23 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_62, Bosection6_65, Butters_62, Chewbacca_69, Duplicity_64, Fulbright_64, Gex_67, Journey_61, Kevin1_65, Magsby_65, Melville_71, Panchino_59, Parmesanjohn_66, PhancyPhin_63, Philonius_66, Phloss_64, Pipsqueaks_67, Rebel_60, Rubeelu_62, Schnauzer_67, Scitech_61, Shweta_61, Silvafighter_68, Silvy_67, Smurph_66, Tapioca_64, Xeno_63, Xerxes_66,

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

Genes that do not have the "Most Annotated" start:
• Nitzel_81,

Summary by start number:

Start 5:
• Found in 1 of 29 (3.4%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nitzel_81 (F1),

Start 6:
• Found in 28 of 29 (96.6%) of genes in pham
• Manual Annotations of this start: 23 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aggie_62 (N), Bosection6_65 (N), Butters_62 (N), Chewbacca_69 (N), Duplicity_64 (N), Fulbright_64 (N), Gex_67 (N), Journey_61 (N), Kevin1_65 (N), Magsby_65 (N), Melville_71 (N), Panchino_59 (N), Parmesanjohn_66 (N), PhancyPhin_63 (N), Philonius_66 (N), Phloss_64 (N), Pipsqueaks_67 (N), Rebel_60 (N), Rubeelu_62 (N), Schnauzer_67 (N), Scitech_61 (N), Shweta_61 (N), Silvafighter_68 (N), Silvy_67 (N), Smurph_66 (N), Tapioca_64 (N), Xeno_63 (N), Xerxes_66 (N),

Summary by clusters:

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

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster N:
•Start number 6 was manually annotated 23 times for cluster N.

Gene Information:

Gene: Aggie_62 Start: 41646, Stop: 41894, Start Num: 6
Candidate Starts for Aggie_62:
(Start: 6 @41646 has 23 MA's), (10, 41703), (13, 41751),

Gene: Bosection6_65 Start: 40695, Stop: 40943, Start Num: 6
Candidate Starts for Bosection6_65:
(Start: 6 @40695 has 23 MA's), (10, 40752), (13, 40800),

Gene: Butters_62 Start: 39028, Stop: 39261, Start Num: 6
Candidate Starts for Butters_62:
(Start: 6 @39028 has 23 MA's), (10, 39085), (12, 39118), (13, 39133), (14, 39157),

Gene: Chewbacca_69 Start: 40888, Stop: 41136, Start Num: 6
Candidate Starts for Chewbacca_69:
(Start: 6 @40888 has 23 MA's), (10, 40945), (13, 40993),

Gene: Duplicity_64 Start: 40250, Stop: 40498, Start Num: 6
Candidate Starts for Duplicity_64:
(Start: 6 @40250 has 23 MA's), (10, 40307), (13, 40355),

Gene: Fulbright_64 Start: 39687, Stop: 39935, Start Num: 6
Candidate Starts for Fulbright_64:
(Start: 6 @39687 has 23 MA's), (10, 39744), (13, 39792),

Gene: Gex_67 Start: 41009, Stop: 41257, Start Num: 6
Candidate Starts for Gex_67:

(Start: 6 @41009 has 23 MA's), (10, 41066), (13, 41114),

Gene: Journey_61 Start: 39278, Stop: 39526, Start Num: 6
Candidate Starts for Journey_61:
(Start: 6 @39278 has 23 MA's), (10, 39335), (13, 39383),

Gene: Kevin1_65 Start: 39537, Stop: 39770, Start Num: 6
Candidate Starts for Kevin1_65:
(Start: 6 @39537 has 23 MA's), (10, 39594), (12, 39627), (13, 39642), (14, 39666),

Gene: Magsby_65 Start: 40955, Stop: 41203, Start Num: 6
Candidate Starts for Magsby_65:
(Start: 6 @40955 has 23 MA's), (10, 41012), (13, 41060),

Gene: Melville_71 Start: 40564, Stop: 40812, Start Num: 6
Candidate Starts for Melville_71:
(Start: 6 @40564 has 23 MA's), (10, 40621), (13, 40669),

Gene: Nitzel_81 Start: 47584, Stop: 47850, Start Num: 5
Candidate Starts for Nitzel_81:
(3, 47554), (4, 47563), (Start: 5 @47584 has 1 MA's), (7, 47620), (8, 47629), (9, 47632), (10, 47656), (11, 47686), (15, 47743), (16, 47758),

Gene: Panchino_59 Start: 40518, Stop: 40766, Start Num: 6
Candidate Starts for Panchino_59:
(1, 40347), (Start: 6 @40518 has 23 MA's), (10, 40575), (13, 40623), (14, 40647),

Gene: Parmesanjohn_66 Start: 41013, Stop: 41261, Start Num: 6
Candidate Starts for Parmesanjohn_66:
(Start: 6 @41013 has 23 MA's), (10, 41070), (13, 41118),

Gene: PhancyPhin_63 Start: 39738, Stop: 39986, Start Num: 6
Candidate Starts for PhancyPhin_63:
(1, 39567), (Start: 6 @39738 has 23 MA's), (10, 39795), (13, 39843), (14, 39867),

Gene: Philonius_66 Start: 41178, Stop: 41426, Start Num: 6
Candidate Starts for Philonius_66:
(Start: 6 @41178 has 23 MA's), (10, 41235), (13, 41283),

Gene: Phloss_64 Start: 40420, Stop: 40668, Start Num: 6
Candidate Starts for Phloss_64:
(Start: 6 @40420 has 23 MA's), (10, 40477), (13, 40525),

Gene: Pipsqueaks_67 Start: 40991, Stop: 41239, Start Num: 6
Candidate Starts for Pipsqueaks_67:
(Start: 6 @40991 has 23 MA's), (10, 41048), (13, 41096),

Gene: Rebel_60 Start: 37847, Stop: 38080, Start Num: 6
Candidate Starts for Rebel_60:
(Start: 6 @37847 has 23 MA's), (10, 37904), (12, 37937), (13, 37952), (14, 37976),

Gene: Rubeelu_62 Start: 39028, Stop: 39261, Start Num: 6
Candidate Starts for Rubeelu_62:

(Start: 6 @39028 has 23 MA's), (10, 39085), (12, 39118), (13, 39133), (14, 39157),

Gene: Schnauzer_67 Start: 41013, Stop: 41261, Start Num: 6
Candidate Starts for Schnauzer_67:
(Start: 6 @41013 has 23 MA's), (10, 41070), (13, 41118),

Gene: Scitech_61 Start: 40416, Stop: 40664, Start Num: 6
Candidate Starts for Scitech_61:
(Start: 6 @40416 has 23 MA's), (10, 40473), (13, 40521),

Gene: Shweta_61 Start: 39973, Stop: 40221, Start Num: 6
Candidate Starts for Shweta_61:
(1, 39802), (Start: 6 @39973 has 23 MA's), (10, 40030), (13, 40078), (14, 40102),

Gene: Silvafighter_68 Start: 40556, Stop: 40804, Start Num: 6
Candidate Starts for Silvafighter_68:
(Start: 6 @40556 has 23 MA's), (10, 40613), (13, 40661),

Gene: Silvy_67 Start: 41646, Stop: 41894, Start Num: 6
Candidate Starts for Silvy_67:
(Start: 6 @41646 has 23 MA's), (10, 41703), (13, 41751),

Gene: Smurph_66 Start: 41013, Stop: 41261, Start Num: 6
Candidate Starts for Smurph_66:
(Start: 6 @41013 has 23 MA's), (10, 41070), (13, 41118),

Gene: Tapioca_64 Start: 41530, Stop: 41778, Start Num: 6
Candidate Starts for Tapioca_64:
(Start: 6 @41530 has 23 MA's), (10, 41587), (13, 41635),

Gene: Xeno_63 Start: 39678, Stop: 39926, Start Num: 6
Candidate Starts for Xeno_63:
(1, 39507), (2, 39525), (Start: 6 @39678 has 23 MA's), (10, 39735), (13, 39783), (14, 39807),

Gene: Xerxes_66 Start: 41010, Stop: 41258, Start Num: 6
Candidate Starts for Xerxes_66:
(Start: 6 @41010 has 23 MA's), (10, 41067), (13, 41115),