Pham 6011

1: Oatly_21 + 2

2: BlueRugrat_21 + 1

3: ArMaWen_21 + 7

4: Xitlalli_21

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 6011 Report

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

Pham number 6011 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Oatly_21, Biozilla_22, HitchHiker_23
• Track 2 : BlueRugrat_21, LesNorah_21
• Track 3 : ArMaWen_21, LilyLou_22, DumpQuist_21, Alex44_22, Dashyla_22, Stormbreaker_21, Phogo_22, Unphazed_22
• Track 4 : Xitlalli_21

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alex44_22, ArMaWen_21, Biozilla_22, BlueRugrat_21, Dashyla_22, DumpQuist_21, HitchHiker_23, LesNorah_21, LilyLou_22, Oatly_21, Phogo_22, Stormbreaker_21, Unphazed_22, Xitlalli_21,

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

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alex44_22 (EK1), ArMaWen_21 (EK1), Biozilla_22 (EK1), BlueRugrat_21 (EK1), Dashyla_22 (EK1), DumpQuist_21 (EK1), HitchHiker_23 (EK1), LesNorah_21 (EK1), LilyLou_22 (EK1), Oatly_21 (EK1), Phogo_22 (EK1), Stormbreaker_21 (EK1), Unphazed_22 (EK1), Xitlalli_21 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:
•Start number 1 was manually annotated 11 times for cluster EK1.

Gene Information:

Gene: Alex44_22 Start: 13725, Stop: 13522, Start Num: 1
Candidate Starts for Alex44_22:
(Start: 1 @13725 has 11 MA's), (2, 13695), (4, 13677),

Gene: ArMaWen_21 Start: 13312, Stop: 13109, Start Num: 1
Candidate Starts for ArMaWen_21:
(Start: 1 @13312 has 11 MA's), (2, 13282), (4, 13264),

Gene: Biozilla_22 Start: 13800, Stop: 13582, Start Num: 1
Candidate Starts for Biozilla_22:
(Start: 1 @13800 has 11 MA's), (3, 13740), (5, 13623),

Gene: BlueRugrat_21 Start: 13737, Stop: 13528, Start Num: 1
Candidate Starts for BlueRugrat_21:
(Start: 1 @13737 has 11 MA's), (2, 13710),

Gene: Dashyla_22 Start: 13325, Stop: 13122, Start Num: 1
Candidate Starts for Dashyla_22:
(Start: 1 @13325 has 11 MA's), (2, 13295), (4, 13277),

Gene: DumpQuist_21 Start: 13300, Stop: 13097, Start Num: 1
Candidate Starts for DumpQuist_21:
(Start: 1 @13300 has 11 MA's), (2, 13270), (4, 13252),

Gene: HitchHiker_23 Start: 13800, Stop: 13582, Start Num: 1
Candidate Starts for HitchHiker_23:
(Start: 1 @13800 has 11 MA's), (3, 13740), (5, 13623),

Gene: LesNorah_21 Start: 13830, Stop: 13621, Start Num: 1
Candidate Starts for LesNorah_21:
(Start: 1 @13830 has 11 MA's), (2, 13803),

Gene: LilyLou_22 Start: 13689, Stop: 13486, Start Num: 1
Candidate Starts for LilyLou_22:
(Start: 1 @13689 has 11 MA's), (2, 13659), (4, 13641),

Gene: Oatly_21 Start: 13214, Stop: 12996, Start Num: 1
Candidate Starts for Oatly_21:
(Start: 1 @13214 has 11 MA's), (3, 13154), (5, 13037),

Gene: Phogo_22 Start: 13515, Stop: 13312, Start Num: 1
Candidate Starts for Phogo_22:
(Start: 1 @13515 has 11 MA's), (2, 13485), (4, 13467),

Gene: Stormbreaker_21 Start: 13636, Stop: 13433, Start Num: 1
Candidate Starts for Stormbreaker_21:
(Start: 1 @13636 has 11 MA's), (2, 13606), (4, 13588),

Gene: Unphazed_22 Start: 13551, Stop: 13348, Start Num: 1
Candidate Starts for Unphazed_22:
(Start: 1 @13551 has 11 MA's), (2, 13521), (4, 13503),

Gene: Xitlalli_21 Start: 13891, Stop: 13688, Start Num: 1
Candidate Starts for Xitlalli_21:
(Start: 1 @13891 has 11 MA's), (2, 13861),