Pham 297064


1
2
6
8
1: BooTeria_146 + 1
1
2
9
2: SJReid_152
1
2
6
8
3: DunneganBoMo_138
1
2
9
4: Artu_141
1
2
7
11
5: Chilliams_146
1
2
9
6: Ellewin_139 + 1
1
2
7: Atuin_141
1
2
6
11
8: Panchaali_141
1
2
4
9: LeoJr_131
1
2
10: ReginaGlobina_153
1
2
9
11: Emmetator_141
1
2
3
10
12: Stewart25555_140
1
2
5
7
13: Rockabye_152

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 297064 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297064 has 15 members, 9 are drafts.

Phages represented in each track:
• Track 1 : BooTeria_146, WaddleDee_135
• Track 2 : SJReid_152
• Track 3 : DunneganBoMo_138
• Track 4 : Artu_141
• Track 5 : Chilliams_146
• Track 6 : Ellewin_139, KSunshine22_144
• Track 7 : Atuin_141
• Track 8 : Panchaali_141
• Track 9 : LeoJr_151
• Track 10 : ReginaGlobina_153
• Track 11 : Emmetator_141
• Track 12 : Stewart25555_140
• Track 13 : Rockabye_152

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_141, Atuin_141, BooTeria_146, Chilliams_146, DunneganBoMo_138, Ellewin_139, Emmetator_141, KSunshine22_144, LeoJr_151, Panchaali_141, ReginaGlobina_153, Rockabye_152, SJReid_152, Stewart25555_140, WaddleDee_135,

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 2:

• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_141 (FC), Atuin_141 (FC), BooTeria_146 (FC), Chilliams_146 (FC), DunneganBoMo_138 (FC), Ellewin_139 (FC), Emmetator_141 (FC), KSunshine22_144 (FC), LeoJr_151 (FC), Panchaali_141 (FC), ReginaGlobina_153 (FC), Rockabye_152 (FC), SJReid_152 (FC), Stewart25555_140 (FC), WaddleDee_135 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Artu_141 Start: 99840, Stop: 100172, Start Num: 2
Candidate Starts for Artu_141:
(1, 99813), (Start: 2 @99840 has 6 MA's), (9, 100056),

Gene: Atuin_141 Start: 102470, Stop: 102808, Start Num: 2
Candidate Starts for Atuin_141:
(1, 102443), (Start: 2 @102470 has 6 MA's),

Gene: BooTeria_146 Start: 99981, Stop: 100313, Start Num: 2
Candidate Starts for BooTeria_146:
(1, 99954), (Start: 2 @99981 has 6 MA's), (6, 100149), (8, 100188),

Gene: Chilliams_146 Start: 92996, Stop: 93289, Start Num: 2
Candidate Starts for Chilliams_146:
(1, 92969), (Start: 2 @92996 has 6 MA's), (7, 93161), (11, 93269),

Gene: DunneganBoMo_138 Start: 99250, Stop: 99582, Start Num: 2
Candidate Starts for DunneganBoMo_138:
(1, 99223), (Start: 2 @99250 has 6 MA's), (6, 99418), (8, 99457),

Gene: Ellewin_139 Start: 99314, Stop: 99646, Start Num: 2
Candidate Starts for Ellewin_139:
(1, 99287), (Start: 2 @99314 has 6 MA's), (9, 99530),

Gene: Emmetator_141 Start: 99167, Stop: 99502, Start Num: 2
Candidate Starts for Emmetator_141:
(1, 99140), (Start: 2 @99167 has 6 MA's), (9, 99386),

Gene: KSunshine22_144 Start: 100659, Stop: 100991, Start Num: 2
Candidate Starts for KSunshine22_144:
(1, 100632), (Start: 2 @100659 has 6 MA's), (9, 100875),

Gene: LeoJr_151 Start: 103056, Stop: 103394, Start Num: 2

Candidate Starts for LeoJr_151:
(1, 103029), (Start: 2 @103056 has 6 MA's), (4, 103116),

Gene: Panchaali_141 Start: 99779, Stop: 100108, Start Num: 2
Candidate Starts for Panchaali_141:
(1, 99752), (Start: 2 @99779 has 6 MA's), (6, 99944), (11, 100088),

Gene: ReginaGlobina_153 Start: 104264, Stop: 104602, Start Num: 2
Candidate Starts for ReginaGlobina_153:
(1, 104237), (Start: 2 @104264 has 6 MA's),

Gene: Rockabye_152 Start: 94626, Stop: 94919, Start Num: 2
Candidate Starts for Rockabye_152:
(1, 94599), (Start: 2 @94626 has 6 MA's), (5, 94713), (7, 94791),

Gene: SJReid_152 Start: 93407, Stop: 93670, Start Num: 2
Candidate Starts for SJReid_152:
(1, 93380), (Start: 2 @93407 has 6 MA's), (9, 93545),

Gene: Stewart25555_140 Start: 100427, Stop: 100741, Start Num: 2
Candidate Starts for Stewart25555_140:
(1, 100400), (Start: 2 @100427 has 6 MA's), (3, 100466), (10, 100667),

Gene: WaddleDee_135 Start: 98436, Stop: 98768, Start Num: 2
Candidate Starts for WaddleDee_135:
(1, 98409), (Start: 2 @98436 has 6 MA's), (6, 98604), (8, 98643),