Pham 327478


1
2
10
1: Stewart25555_22
1
3
5
6
8
2: KSunshine22_24 + 3
1
5
6
7
8
12
3: DunneganBoMo_23 + 5
1
3
5
6
7
8
4: ReginaGlobina_22 + 5
1
5
6
8
5: Emmetator_23 + 1
1
3
4
5
9
11
6: Laure_350 + 1

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 327478 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327478 has 21 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Stewart25555_22
• Track 2 : KSunshine22_24, KSunshine22_316, Ellewin_315, Ellewin_22
• Track 3 : DunneganBoMo_23, BooTeria_312, WaddleDee_313, BooTeria_23, DunneganBoMo_318, WaddleDee_22
• Track 4 : ReginaGlobina_22, ReginaGlobina_333, Atuin_321, LeoJr_25, Atuin_21, LeoJr_338
• Track 5 : Emmetator_23, Emmetator_317
• Track 6 : Laure_350, Laure_32

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_21, Atuin_321, BooTeria_23, BooTeria_312, DunneganBoMo_23, DunneganBoMo_318, Ellewin_22, Ellewin_315, Emmetator_23, Emmetator_317, KSunshine22_24, KSunshine22_316, Laure_32, Laure_350, LeoJr_25, LeoJr_338, ReginaGlobina_22, ReginaGlobina_333, Stewart25555_22, WaddleDee_22, WaddleDee_313,

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 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Atuin_21 (FC), Atuin_321 (FC), BooTeria_23 (FC), BooTeria_312 (FC), DunneganBoMo_23 (FC), DunneganBoMo_318 (FC), Ellewin_22 (FC), Ellewin_315 (FC), Emmetator_23 (FC), Emmetator_317 (FC), KSunshine22_24 (FC), KSunshine22_316 (FC), Laure_32 (UNK), Laure_350 (UNK), LeoJr_25 (FC), LeoJr_338 (FC), ReginaGlobina_22 (FC), ReginaGlobina_333 (FC), Stewart25555_22 (FC), WaddleDee_22 (FC), WaddleDee_313 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 10 times for cluster FC.

Gene Information:

Gene: Atuin_321 Start: 187391, Stop: 187705, Start Num: 1
Candidate Starts for Atuin_321:
(Start: 1 @187391 has 10 MA's), (3, 187487), (5, 187538), (6, 187559), (7, 187562), (8, 187607),

Gene: Atuin_21 Start: 10503, Stop: 10817, Start Num: 1
Candidate Starts for Atuin_21:
(Start: 1 @10503 has 10 MA's), (3, 10599), (5, 10650), (6, 10671), (7, 10674), (8, 10719),

Gene: BooTeria_312 Start: 189266, Stop: 189580, Start Num: 1
Candidate Starts for BooTeria_312:
(Start: 1 @189266 has 10 MA's), (5, 189413), (6, 189434), (7, 189437), (8, 189482), (12, 189557),

Gene: BooTeria_23 Start: 10357, Stop: 10671, Start Num: 1
Candidate Starts for BooTeria_23:
(Start: 1 @10357 has 10 MA's), (5, 10504), (6, 10525), (7, 10528), (8, 10573), (12, 10648),

Gene: DunneganBoMo_23 Start: 10343, Stop: 10657, Start Num: 1
Candidate Starts for DunneganBoMo_23:
(Start: 1 @10343 has 10 MA's), (5, 10490), (6, 10511), (7, 10514), (8, 10559), (12, 10634),

Gene: DunneganBoMo_318 Start: 189755, Stop: 190069, Start Num: 1
Candidate Starts for DunneganBoMo_318:
(Start: 1 @189755 has 10 MA's), (5, 189902), (6, 189923), (7, 189926), (8, 189971), (12, 190046),

Gene: Ellewin_315 Start: 189269, Stop: 189583, Start Num: 1
Candidate Starts for Ellewin_315:
(Start: 1 @189269 has 10 MA's), (3, 189365), (5, 189416), (6, 189437), (8, 189485),

Gene: Ellewin_22 Start: 10155, Stop: 10469, Start Num: 1
Candidate Starts for Ellewin_22:
(Start: 1 @10155 has 10 MA's), (3, 10251), (5, 10302), (6, 10323), (8, 10371),

Gene: Emmetator_23 Start: 10192, Stop: 10506, Start Num: 1

Candidate Starts for Emmetator_23:
(Start: 1 @10192 has 10 MA's), (5, 10339), (6, 10360), (8, 10408),

Gene: Emmetator_317 Start: 188492, Stop: 188806, Start Num: 1
Candidate Starts for Emmetator_317:
(Start: 1 @188492 has 10 MA's), (5, 188639), (6, 188660), (8, 188708),

Gene: KSunshine22_24 Start: 10714, Stop: 11028, Start Num: 1
Candidate Starts for KSunshine22_24:
(Start: 1 @10714 has 10 MA's), (3, 10810), (5, 10861), (6, 10882), (8, 10930),

Gene: KSunshine22_316 Start: 187615, Stop: 187929, Start Num: 1
Candidate Starts for KSunshine22_316:
(Start: 1 @187615 has 10 MA's), (3, 187711), (5, 187762), (6, 187783), (8, 187831),

Gene: Laure_350 Start: 182735, Stop: 183055, Start Num: 1
Candidate Starts for Laure_350:
(Start: 1 @182735 has 10 MA's), (3, 182834), (4, 182861), (5, 182888), (9, 182963), (11, 183023),

Gene: Laure_32 Start: 14387, Stop: 14707, Start Num: 1
Candidate Starts for Laure_32:
(Start: 1 @14387 has 10 MA's), (3, 14486), (4, 14513), (5, 14540), (9, 14615), (11, 14675),

Gene: LeoJr_25 Start: 10805, Stop: 11119, Start Num: 1
Candidate Starts for LeoJr_25:
(Start: 1 @10805 has 10 MA's), (3, 10901), (5, 10952), (6, 10973), (7, 10976), (8, 11021),

Gene: LeoJr_338 Start: 188108, Stop: 188422, Start Num: 1
Candidate Starts for LeoJr_338:
(Start: 1 @188108 has 10 MA's), (3, 188204), (5, 188255), (6, 188276), (7, 188279), (8, 188324),

Gene: ReginaGlobina_22 Start: 10663, Stop: 10977, Start Num: 1
Candidate Starts for ReginaGlobina_22:
(Start: 1 @10663 has 10 MA's), (3, 10759), (5, 10810), (6, 10831), (7, 10834), (8, 10879),

Gene: ReginaGlobina_333 Start: 188110, Stop: 188424, Start Num: 1
Candidate Starts for ReginaGlobina_333:
(Start: 1 @188110 has 10 MA's), (3, 188206), (5, 188257), (6, 188278), (7, 188281), (8, 188326),

Gene: Stewart25555_22 Start: 9953, Stop: 10267, Start Num: 1
Candidate Starts for Stewart25555_22:
(Start: 1 @9953 has 10 MA's), (2, 9965), (10, 10220),

Gene: WaddleDee_313 Start: 188284, Stop: 188598, Start Num: 1
Candidate Starts for WaddleDee_313:
(Start: 1 @188284 has 10 MA's), (5, 188431), (6, 188452), (7, 188455), (8, 188500), (12, 188575),

Gene: WaddleDee_22 Start: 10089, Stop: 10403, Start Num: 1
Candidate Starts for WaddleDee_22:
(Start: 1 @10089 has 10 MA's), (5, 10236), (6, 10257), (7, 10260), (8, 10305), (12, 10380),