Pham 334958


1
6
7
14
1: Rockabye_302 + 1
1
2
3
2: BooTeria_292 + 13
1
4
9
3: Talia1610_292 + 15
1
6
7
4: Chilliams_5 + 1
1
4
13
5: Phrampa_6 + 1
1
5
8
9
6: SJReid_315 + 1
1
4
6
9
10
11
12
15
7: Laure_5 + 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 334958 Report

This analysis was run 11/14/26 on database version 672.

Pham number 334958 has 40 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Rockabye_302, Rockabye_5
• Track 2 : BooTeria_292, BooTeria_3, WaddleDee_3, Panchaali_292, Artu_291, Emmetator_297, Artu_4, KSunshine22_297, KSunshine22_5, Emmetator_3, DunneganBoMo_298, DunneganBoMo_3, WaddleDee_294, Panchaali_5
• Track 3 : Talia1610_292, FrostedClock_289, Mimi_6, FloraSnap32_6, GoldenEssence_6, Racecar_6, GoldenEssence_287, Bloom_293, Racecar_295, Talia1610_6, Patbob_6, FloraSnap32_289, FrostedClock_6, Mimi_291, Bloom_6, Patbob_292
• Track 4 : Chilliams_5, Chilliams_296
• Track 5 : Phrampa_6, Phrampa_290
• Track 6 : SJReid_315, SJReid_6
• Track 7 : Laure_5, Laure_323

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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_291, Artu_4, Bloom_293, Bloom_6, BooTeria_292, BooTeria_3, Chilliams_296, Chilliams_5, DunneganBoMo_298, DunneganBoMo_3, Emmetator_297, Emmetator_3, FloraSnap32_289, FloraSnap32_6, FrostedClock_289, FrostedClock_6, GoldenEssence_287, GoldenEssence_6, KSunshine22_297, KSunshine22_5, Laure_323, Laure_5, Mimi_291, Mimi_6, Panchaali_292, Panchaali_5, Patbob_292, Patbob_6, Phrampa_290, Phrampa_6, Racecar_295, Racecar_6, Rockabye_302, Rockabye_5, SJReid_315, SJReid_6, Talia1610_292, Talia1610_6, WaddleDee_294, WaddleDee_3,

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 40 of 40 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_291 (FC), Artu_4 (FC), Bloom_293 (FC), Bloom_6 (FC), BooTeria_292 (FC), BooTeria_3 (FC), Chilliams_296 (FC), Chilliams_5 (FC), DunneganBoMo_298 (FC), DunneganBoMo_3 (FC), Emmetator_297 (FC), Emmetator_3 (FC), FloraSnap32_289 (FC), FloraSnap32_6 (FC), FrostedClock_289 (FC), FrostedClock_6 (FC), GoldenEssence_287 (FC), GoldenEssence_6 (FC), KSunshine22_297 (FC), KSunshine22_5 (FC), Laure_323 (UNK), Laure_5 (UNK), Mimi_291 (FC), Mimi_6 (FC), Panchaali_292 (FC), Panchaali_5 (FC), Patbob_292 (FC), Patbob_6 (FC), Phrampa_290 (FC), Phrampa_6 (FC), Racecar_295 (FC), Racecar_6 (FC), Rockabye_302 (FC), Rockabye_5 (FC), SJReid_315 (FC), SJReid_6 (FC), Talia1610_292 (FC), Talia1610_6 (FC), WaddleDee_294 (FC), WaddleDee_3 (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 30 times for cluster FC.

Gene Information:

Gene: Artu_291 Start: 181738, Stop: 181950, Start Num: 1
Candidate Starts for Artu_291:
(Start: 1 @181738 has 30 MA's), (2, 181753), (3, 181759),

Gene: Artu_4 Start: 2584, Stop: 2796, Start Num: 1
Candidate Starts for Artu_4:
(Start: 1 @2584 has 30 MA's), (2, 2599), (3, 2605),

Gene: Bloom_293 Start: 177165, Stop: 177395, Start Num: 1
Candidate Starts for Bloom_293:
(Start: 1 @177165 has 30 MA's), (4, 177204), (9, 177273),

Gene: Bloom_6 Start: 3690, Stop: 3920, Start Num: 1
Candidate Starts for Bloom_6:
(Start: 1 @3690 has 30 MA's), (4, 3729), (9, 3798),

Gene: BooTeria_292 Start: 181519, Stop: 181731, Start Num: 1
Candidate Starts for BooTeria_292:
(Start: 1 @181519 has 30 MA's), (2, 181534), (3, 181540),

Gene: BooTeria_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for BooTeria_3:
(Start: 1 @2610 has 30 MA's), (2, 2625), (3, 2631),

Gene: Chilliams_5 Start: 3407, Stop: 3619, Start Num: 1
Candidate Starts for Chilliams_5:
(Start: 1 @3407 has 30 MA's), (6, 3488), (7, 3491),

Gene: Chilliams_296 Start: 176141, Stop: 176353, Start Num: 1
Candidate Starts for Chilliams_296:
(Start: 1 @176141 has 30 MA's), (6, 176222), (7, 176225),

Gene: DunneganBoMo_298 Start: 182022, Stop: 182234, Start Num: 1
Candidate Starts for DunneganBoMo_298:
(Start: 1 @182022 has 30 MA's), (2, 182037), (3, 182043),

Gene: DunneganBoMo_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for DunneganBoMo_3:
(Start: 1 @2610 has 30 MA's), (2, 2625), (3, 2631),

Gene: Emmetator_297 Start: 181069, Stop: 181281, Start Num: 1
Candidate Starts for Emmetator_297:
(Start: 1 @181069 has 30 MA's), (2, 181084), (3, 181090),

Gene: Emmetator_3 Start: 2769, Stop: 2981, Start Num: 1
Candidate Starts for Emmetator_3:
(Start: 1 @2769 has 30 MA's), (2, 2784), (3, 2790),

Gene: FloraSnap32_6 Start: 3685, Stop: 3915, Start Num: 1
Candidate Starts for FloraSnap32_6:
(Start: 1 @3685 has 30 MA's), (4, 3724), (9, 3793),

Gene: FloraSnap32_289 Start: 177823, Stop: 178053, Start Num: 1
Candidate Starts for FloraSnap32_289:
(Start: 1 @177823 has 30 MA's), (4, 177862), (9, 177931),

Gene: FrostedClock_289 Start: 177429, Stop: 177659, Start Num: 1
Candidate Starts for FrostedClock_289:
(Start: 1 @177429 has 30 MA's), (4, 177468), (9, 177537),

Gene: FrostedClock_6 Start: 3629, Stop: 3859, Start Num: 1
Candidate Starts for FrostedClock_6:
(Start: 1 @3629 has 30 MA's), (4, 3668), (9, 3737),

Gene: GoldenEssence_6 Start: 3684, Stop: 3914, Start Num: 1
Candidate Starts for GoldenEssence_6:
(Start: 1 @3684 has 30 MA's), (4, 3723), (9, 3792),

Gene: GoldenEssence_287 Start: 174237, Stop: 174467, Start Num: 1
Candidate Starts for GoldenEssence_287:
(Start: 1 @174237 has 30 MA's), (4, 174276), (9, 174345),

Gene: KSunshine22_297 Start: 180101, Stop: 180313, Start Num: 1
Candidate Starts for KSunshine22_297:
(Start: 1 @180101 has 30 MA's), (2, 180116), (3, 180122),

Gene: KSunshine22_5 Start: 3200, Stop: 3412, Start Num: 1
Candidate Starts for KSunshine22_5:
(Start: 1 @3200 has 30 MA's), (2, 3215), (3, 3221),

Gene: Laure_5 Start: 3499, Stop: 3714, Start Num: 1
Candidate Starts for Laure_5:
(Start: 1 @3499 has 30 MA's), (4, 3538), (6, 3583), (9, 3604), (10, 3643), (11, 3652), (12, 3661), (15, 3703),

Gene: Laure_323 Start: 171847, Stop: 172062, Start Num: 1
Candidate Starts for Laure_323:
(Start: 1 @171847 has 30 MA's), (4, 171886), (6, 171931), (9, 171952), (10, 171991), (11, 172000), (12, 172009), (15, 172051),

Gene: Mimi_6 Start: 3626, Stop: 3856, Start Num: 1
Candidate Starts for Mimi_6:
(Start: 1 @3626 has 30 MA's), (4, 3665), (9, 3734),

Gene: Mimi_291 Start: 176286, Stop: 176516, Start Num: 1
Candidate Starts for Mimi_291:
(Start: 1 @176286 has 30 MA's), (4, 176325), (9, 176394),

Gene: Panchaali_292 Start: 181753, Stop: 181965, Start Num: 1
Candidate Starts for Panchaali_292:
(Start: 1 @181753 has 30 MA's), (2, 181768), (3, 181774),

Gene: Panchaali_5 Start: 2695, Stop: 2907, Start Num: 1
Candidate Starts for Panchaali_5:
(Start: 1 @2695 has 30 MA's), (2, 2710), (3, 2716),

Gene: Patbob_6 Start: 3732, Stop: 3962, Start Num: 1
Candidate Starts for Patbob_6:
(Start: 1 @3732 has 30 MA's), (4, 3771), (9, 3840),

Gene: Patbob_292 Start: 179191, Stop: 179421, Start Num: 1
Candidate Starts for Patbob_292:
(Start: 1 @179191 has 30 MA's), (4, 179230), (9, 179299),

Gene: Phrampa_6 Start: 3743, Stop: 3970, Start Num: 1
Candidate Starts for Phrampa_6:
(Start: 1 @3743 has 30 MA's), (4, 3782), (13, 3929),

Gene: Phrampa_290 Start: 180114, Stop: 180341, Start Num: 1
Candidate Starts for Phrampa_290:
(Start: 1 @180114 has 30 MA's), (4, 180153), (13, 180300),

Gene: Racecar_6 Start: 3687, Stop: 3917, Start Num: 1
Candidate Starts for Racecar_6:
(Start: 1 @3687 has 30 MA's), (4, 3726), (9, 3795),

Gene: Racecar_295 Start: 177396, Stop: 177626, Start Num: 1
Candidate Starts for Racecar_295:
(Start: 1 @177396 has 30 MA's), (4, 177435), (9, 177504),

Gene: Rockabye_302 Start: 176251, Stop: 176466, Start Num: 1
Candidate Starts for Rockabye_302:
(Start: 1 @176251 has 30 MA's), (6, 176332), (7, 176335), (14, 176452),

Gene: Rockabye_5 Start: 3638, Stop: 3853, Start Num: 1
Candidate Starts for Rockabye_5:
(Start: 1 @3638 has 30 MA's), (6, 3719), (7, 3722), (14, 3839),

Gene: SJReid_315 Start: 176749, Stop: 176952, Start Num: 1
Candidate Starts for SJReid_315:
(Start: 1 @176749 has 30 MA's), (5, 176821), (8, 176848), (9, 176851),

Gene: SJReid_6 Start: 3910, Stop: 4113, Start Num: 1
Candidate Starts for SJReid_6:
(Start: 1 @3910 has 30 MA's), (5, 3982), (8, 4009), (9, 4012),

Gene: Talia1610_292 Start: 178113, Stop: 178343, Start Num: 1
Candidate Starts for Talia1610_292:
(Start: 1 @178113 has 30 MA's), (4, 178152), (9, 178221),

Gene: Talia1610_6 Start: 3641, Stop: 3871, Start Num: 1
Candidate Starts for Talia1610_6:
(Start: 1 @3641 has 30 MA's), (4, 3680), (9, 3749),

Gene: WaddleDee_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for WaddleDee_3:
(Start: 1 @2610 has 30 MA's), (2, 2625), (3, 2631),

Gene: WaddleDee_294 Start: 180805, Stop: 181017, Start Num: 1
Candidate Starts for WaddleDee_294:
(Start: 1 @180805 has 30 MA's), (2, 180820), (3, 180826),