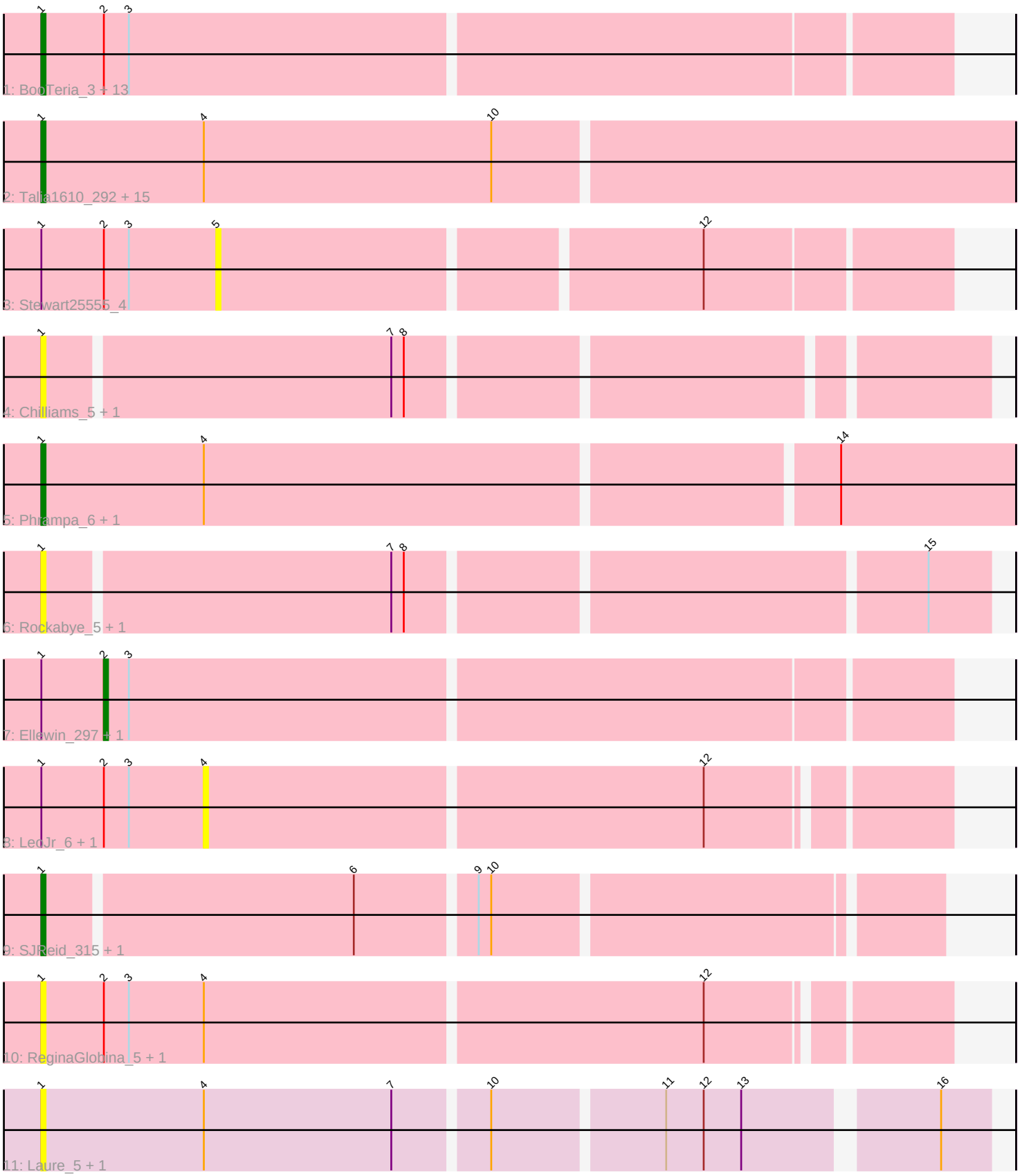
Pham 305105


1
2
3
1: BooTeria_3 + 13
1
4
10
2: Talia1610_292 + 15
1
2
3
5
12
3: Stewart25555_4
1
7
8
4: Chilliams_5 + 1
1
4
14
5: Phrampa_6 + 1
1
7
8
15
6: Rockabye_5 + 1
1
2
3
7: Ellewin_297 + 1
1
2
3
4
12
8: LeoJr_6 + 1
1
6
9
10
9: SJReid_315 + 1
1
2
3
4
12
10: ReginaGlobina_5 + 1
1
4
7
10
11
12
13
16
11: 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 305105 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305105 has 47 members, 25 are drafts.

Phages represented in each track:
• Track 1 : BooTeria_3, WaddleDee_3, Panchaali_292, Artu_291, Emmetator_297, Artu_4, KSunshine22_297, KSunshine22_5, Emmetator_3, BooTeria_302, DunneganBoMo_298, DunneganBoMo_3, WaddleDee_294, Panchaali_5
• Track 2 : Talia1610_292, FloraSnap32_291, Mimi_6, Patbob_6, FloraSnap32_6, GoldenEssence_6, Racecar_6, GoldenEssence_287, Bloom_293, Racecar_295, Talia1610_6, FrostedClock_6, Mimi_291, FrostedClock_291, Bloom_6, Patbob_292
• Track 3 : Stewart25555_4
• Track 4 : Chilliams_5, Chilliams_296
• Track 5 : Phrampa_6, Phrampa_290
• Track 6 : Rockabye_5, Rockabye_304
• Track 7 : Ellewin_297, Ellewin_4
• Track 8 : LeoJr_6, LeoJr_319
• Track 9 : SJReid_315, SJReid_6
• Track 10 : ReginaGlobina_5, ReginaGlobina_316
• Track 11 : 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 20 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_291, Artu_4, Bloom_293, Bloom_6, BooTeria_3, BooTeria_302, Chilliams_296, Chilliams_5, DunneganBoMo_298, DunneganBoMo_3, Emmetator_297, Emmetator_3, FloraSnap32_291, FloraSnap32_6, FrostedClock_291, 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, ReginaGlobina_316, ReginaGlobina_5, Rockabye_304, 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:
• Ellewin_297, Ellewin_4, LeoJr_319, LeoJr_6, Stewart25555_4,

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

Summary by start number:

Start 1:
• Found in 47 of 47 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 22
• Called 89.4% of time when present
• Phage (with cluster) where this start called: Artu_291 (FC), Artu_4 (FC), Bloom_293 (FC), Bloom_6 (FC), BooTeria_3 (FC), BooTeria_302 (FC), Chilliams_296 (FC), Chilliams_5 (FC), DunneganBoMo_298 (FC), DunneganBoMo_3 (FC), Emmetator_297 (FC), Emmetator_3 (FC), FloraSnap32_291 (FC), FloraSnap32_6 (FC), FrostedClock_291 (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), ReginaGlobina_316 (FC), ReginaGlobina_5 (FC), Rockabye_304 (FC), Rockabye_5 (FC), SJReid_315 (FC), SJReid_6 (FC), Talia1610_292 (FC), Talia1610_6 (FC), WaddleDee_294 (FC), WaddleDee_3 (FC),

Start 2:
• Found in 21 of 47 (44.7%) of genes in pham
• Manual Annotations of this start: 2 of 22
• Called 9.5% of time when present
• Phage (with cluster) where this start called: Ellewin_297 (FC), Ellewin_4 (FC),

Start 4:
• Found in 24 of 47 (51.1%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: LeoJr_319 (FC), LeoJr_6 (FC),

Start 5:
• Found in 1 of 47 (2.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stewart25555_4 (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 20 times for cluster FC.
•Start number 2 was manually annotated 2 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 20 MA's), (Start: 2 @181753 has 2 MA's), (3, 181759),

Gene: Artu_4 Start: 2584, Stop: 2796, Start Num: 1
Candidate Starts for Artu_4:
(Start: 1 @2584 has 20 MA's), (Start: 2 @2599 has 2 MA's), (3, 2605),

Gene: Bloom_293 Start: 177165, Stop: 177395, Start Num: 1
Candidate Starts for Bloom_293:
(Start: 1 @177165 has 20 MA's), (4, 177204), (10, 177273),

Gene: Bloom_6 Start: 3690, Stop: 3920, Start Num: 1
Candidate Starts for Bloom_6:
(Start: 1 @3690 has 20 MA's), (4, 3729), (10, 3798),

Gene: BooTeria_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for BooTeria_3:
(Start: 1 @2610 has 20 MA's), (Start: 2 @2625 has 2 MA's), (3, 2631),

Gene: BooTeria_302 Start: 181519, Stop: 181731, Start Num: 1
Candidate Starts for BooTeria_302:
(Start: 1 @181519 has 20 MA's), (Start: 2 @181534 has 2 MA's), (3, 181540),

Gene: Chilliams_5 Start: 3407, Stop: 3619, Start Num: 1
Candidate Starts for Chilliams_5:
(Start: 1 @3407 has 20 MA's), (7, 3488), (8, 3491),

Gene: Chilliams_296 Start: 176141, Stop: 176353, Start Num: 1
Candidate Starts for Chilliams_296:
(Start: 1 @176141 has 20 MA's), (7, 176222), (8, 176225),

Gene: DunneganBoMo_298 Start: 182022, Stop: 182234, Start Num: 1
Candidate Starts for DunneganBoMo_298:
(Start: 1 @182022 has 20 MA's), (Start: 2 @182037 has 2 MA's), (3, 182043),

Gene: DunneganBoMo_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for DunneganBoMo_3:
(Start: 1 @2610 has 20 MA's), (Start: 2 @2625 has 2 MA's), (3, 2631),

Gene: Ellewin_297 Start: 181669, Stop: 181866, Start Num: 2
Candidate Starts for Ellewin_297:
(Start: 1 @181654 has 20 MA's), (Start: 2 @181669 has 2 MA's), (3, 181675),

Gene: Ellewin_4 Start: 2555, Stop: 2752, Start Num: 2
Candidate Starts for Ellewin_4:
(Start: 1 @2540 has 20 MA's), (Start: 2 @2555 has 2 MA's), (3, 2561),

Gene: Emmetator_297 Start: 181069, Stop: 181281, Start Num: 1
Candidate Starts for Emmetator_297:
(Start: 1 @181069 has 20 MA's), (Start: 2 @181084 has 2 MA's), (3, 181090),

Gene: Emmetator_3 Start: 2769, Stop: 2981, Start Num: 1

Candidate Starts for Emmetator_3:
(Start: 1 @2769 has 20 MA's), (Start: 2 @2784 has 2 MA's), (3, 2790),

Gene: FloraSnap32_291 Start: 177823, Stop: 178053, Start Num: 1
Candidate Starts for FloraSnap32_291:
(Start: 1 @177823 has 20 MA's), (4, 177862), (10, 177931),

Gene: FloraSnap32_6 Start: 3685, Stop: 3915, Start Num: 1
Candidate Starts for FloraSnap32_6:
(Start: 1 @3685 has 20 MA's), (4, 3724), (10, 3793),

Gene: FrostedClock_6 Start: 3629, Stop: 3859, Start Num: 1
Candidate Starts for FrostedClock_6:
(Start: 1 @3629 has 20 MA's), (4, 3668), (10, 3737),

Gene: FrostedClock_291 Start: 177429, Stop: 177659, Start Num: 1
Candidate Starts for FrostedClock_291:
(Start: 1 @177429 has 20 MA's), (4, 177468), (10, 177537),

Gene: GoldenEssence_6 Start: 3684, Stop: 3914, Start Num: 1
Candidate Starts for GoldenEssence_6:
(Start: 1 @3684 has 20 MA's), (4, 3723), (10, 3792),

Gene: GoldenEssence_287 Start: 174237, Stop: 174467, Start Num: 1
Candidate Starts for GoldenEssence_287:
(Start: 1 @174237 has 20 MA's), (4, 174276), (10, 174345),

Gene: KSunshine22_297 Start: 180101, Stop: 180313, Start Num: 1
Candidate Starts for KSunshine22_297:
(Start: 1 @180101 has 20 MA's), (Start: 2 @180116 has 2 MA's), (3, 180122),

Gene: KSunshine22_5 Start: 3200, Stop: 3412, Start Num: 1
Candidate Starts for KSunshine22_5:
(Start: 1 @3200 has 20 MA's), (Start: 2 @3215 has 2 MA's), (3, 3221),

Gene: Laure_5 Start: 3499, Stop: 3714, Start Num: 1
Candidate Starts for Laure_5:
(Start: 1 @3499 has 20 MA's), (4, 3538), (7, 3583), (10, 3604), (11, 3643), (12, 3652), (13, 3661), (16, 3703),

Gene: Laure_323 Start: 171847, Stop: 172062, Start Num: 1
Candidate Starts for Laure_323:
(Start: 1 @171847 has 20 MA's), (4, 171886), (7, 171931), (10, 171952), (11, 171991), (12, 172000), (13, 172009), (16, 172051),

Gene: LeoJr_6 Start: 3533, Stop: 3703, Start Num: 4
Candidate Starts for LeoJr_6:
(Start: 1 @3494 has 20 MA's), (Start: 2 @3509 has 2 MA's), (3, 3515), (4, 3533), (12, 3650),

Gene: LeoJr_319 Start: 180836, Stop: 181006, Start Num: 4
Candidate Starts for LeoJr_319:
(Start: 1 @180797 has 20 MA's), (Start: 2 @180812 has 2 MA's), (3, 180818), (4, 180836), (12, 180953),

Gene: Mimi_6 Start: 3626, Stop: 3856, Start Num: 1
Candidate Starts for Mimi_6:
(Start: 1 @3626 has 20 MA's), (4, 3665), (10, 3734),

Gene: Mimi_291 Start: 176286, Stop: 176516, Start Num: 1
Candidate Starts for Mimi_291:
(Start: 1 @176286 has 20 MA's), (4, 176325), (10, 176394),

Gene: Panchaali_292 Start: 181753, Stop: 181965, Start Num: 1
Candidate Starts for Panchaali_292:
(Start: 1 @181753 has 20 MA's), (Start: 2 @181768 has 2 MA's), (3, 181774),

Gene: Panchaali_5 Start: 2695, Stop: 2907, Start Num: 1
Candidate Starts for Panchaali_5:
(Start: 1 @2695 has 20 MA's), (Start: 2 @2710 has 2 MA's), (3, 2716),

Gene: Patbob_6 Start: 3732, Stop: 3962, Start Num: 1
Candidate Starts for Patbob_6:
(Start: 1 @3732 has 20 MA's), (4, 3771), (10, 3840),

Gene: Patbob_292 Start: 179191, Stop: 179421, Start Num: 1
Candidate Starts for Patbob_292:
(Start: 1 @179191 has 20 MA's), (4, 179230), (10, 179299),

Gene: Phrampa_6 Start: 3743, Stop: 3970, Start Num: 1
Candidate Starts for Phrampa_6:
(Start: 1 @3743 has 20 MA's), (4, 3782), (14, 3929),

Gene: Phrampa_290 Start: 180114, Stop: 180341, Start Num: 1
Candidate Starts for Phrampa_290:
(Start: 1 @180114 has 20 MA's), (4, 180153), (14, 180300),

Gene: Racecar_6 Start: 3687, Stop: 3917, Start Num: 1
Candidate Starts for Racecar_6:
(Start: 1 @3687 has 20 MA's), (4, 3726), (10, 3795),

Gene: Racecar_295 Start: 177396, Stop: 177626, Start Num: 1
Candidate Starts for Racecar_295:
(Start: 1 @177396 has 20 MA's), (4, 177435), (10, 177504),

Gene: ReginaGlobina_5 Start: 3341, Stop: 3550, Start Num: 1
Candidate Starts for ReginaGlobina_5:
(Start: 1 @3341 has 20 MA's), (Start: 2 @3356 has 2 MA's), (3, 3362), (4, 3380), (12, 3497),

Gene: ReginaGlobina_316 Start: 180788, Stop: 180997, Start Num: 1
Candidate Starts for ReginaGlobina_316:
(Start: 1 @180788 has 20 MA's), (Start: 2 @180803 has 2 MA's), (3, 180809), (4, 180827), (12, 180944),

Gene: Rockabye_5 Start: 3638, Stop: 3853, Start Num: 1
Candidate Starts for Rockabye_5:
(Start: 1 @3638 has 20 MA's), (7, 3719), (8, 3722), (15, 3839),

Gene: Rockabye_304 Start: 176251, Stop: 176466, Start Num: 1
Candidate Starts for Rockabye_304:
(Start: 1 @176251 has 20 MA's), (7, 176332), (8, 176335), (15, 176452),

Gene: SJReid_315 Start: 176749, Stop: 176952, Start Num: 1
Candidate Starts for SJReid_315:
(Start: 1 @176749 has 20 MA's), (6, 176821), (9, 176848), (10, 176851),

Gene: SJReid_6 Start: 3910, Stop: 4113, Start Num: 1
Candidate Starts for SJReid_6:
(Start: 1 @3910 has 20 MA's), (6, 3982), (9, 4009), (10, 4012),

Gene: Stewart25555_4 Start: 3266, Stop: 3433, Start Num: 5
Candidate Starts for Stewart25555_4:
(Start: 1 @3224 has 20 MA's), (Start: 2 @3239 has 2 MA's), (3, 3245), (5, 3266), (12, 3377),

Gene: Talia1610_292 Start: 178113, Stop: 178343, Start Num: 1
Candidate Starts for Talia1610_292:
(Start: 1 @178113 has 20 MA's), (4, 178152), (10, 178221),

Gene: Talia1610_6 Start: 3641, Stop: 3871, Start Num: 1
Candidate Starts for Talia1610_6:
(Start: 1 @3641 has 20 MA's), (4, 3680), (10, 3749),

Gene: WaddleDee_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for WaddleDee_3:
(Start: 1 @2610 has 20 MA's), (Start: 2 @2625 has 2 MA's), (3, 2631),

Gene: WaddleDee_294 Start: 180805, Stop: 181017, Start Num: 1
Candidate Starts for WaddleDee_294:
(Start: 1 @180805 has 20 MA's), (Start: 2 @180820 has 2 MA's), (3, 180826),