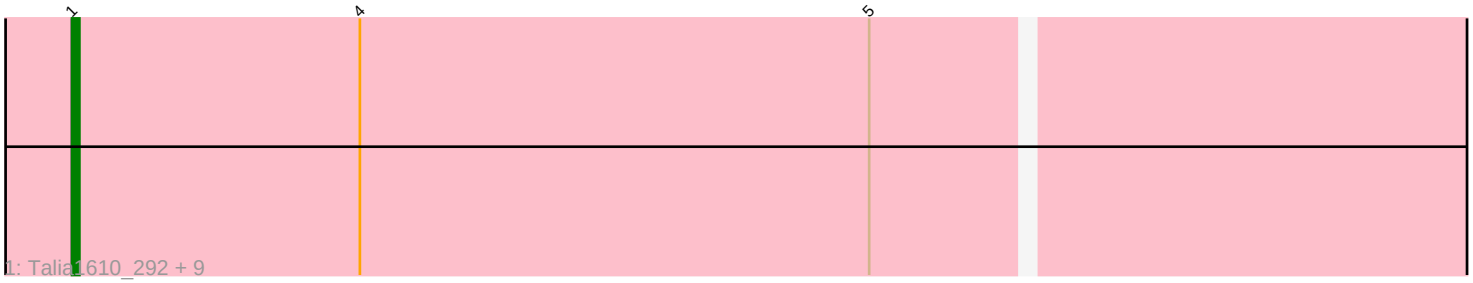
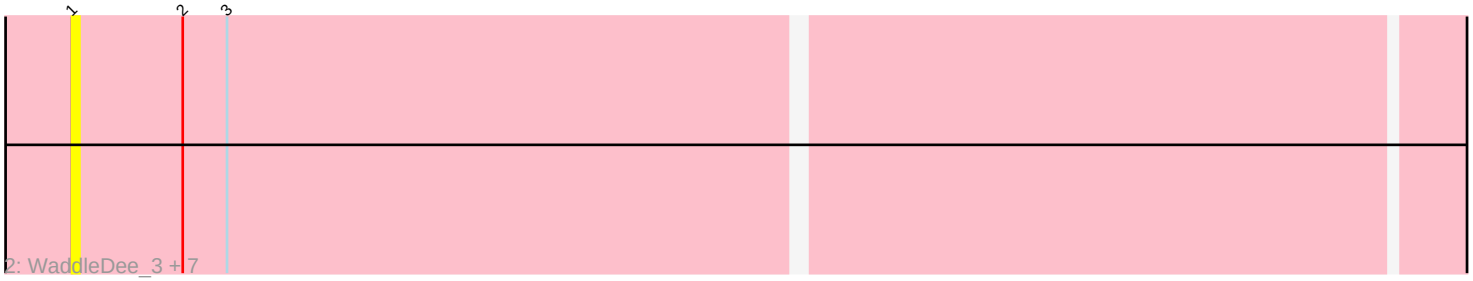
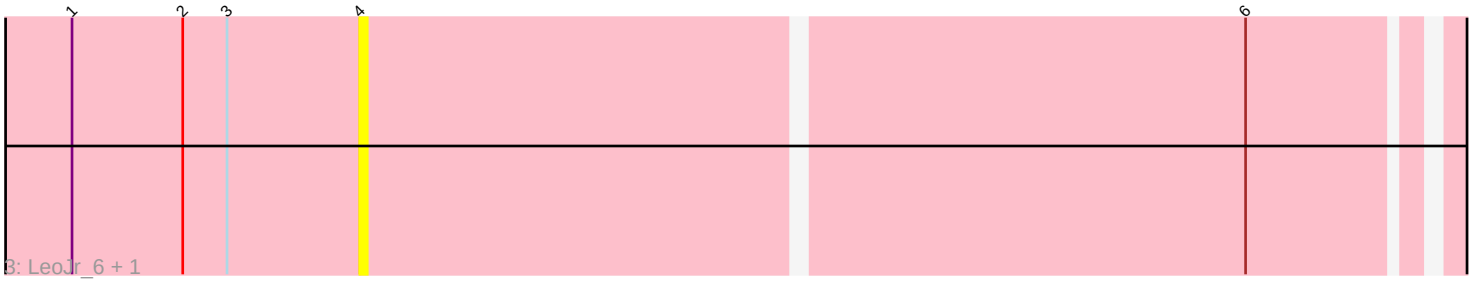
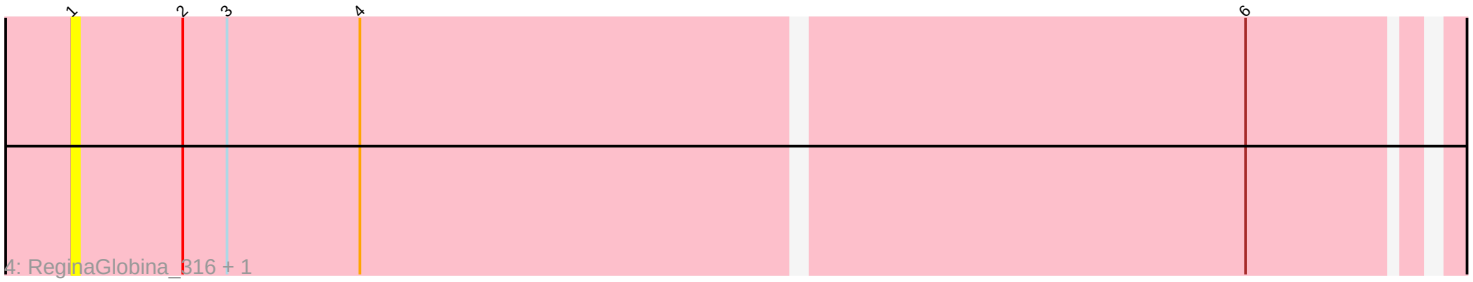
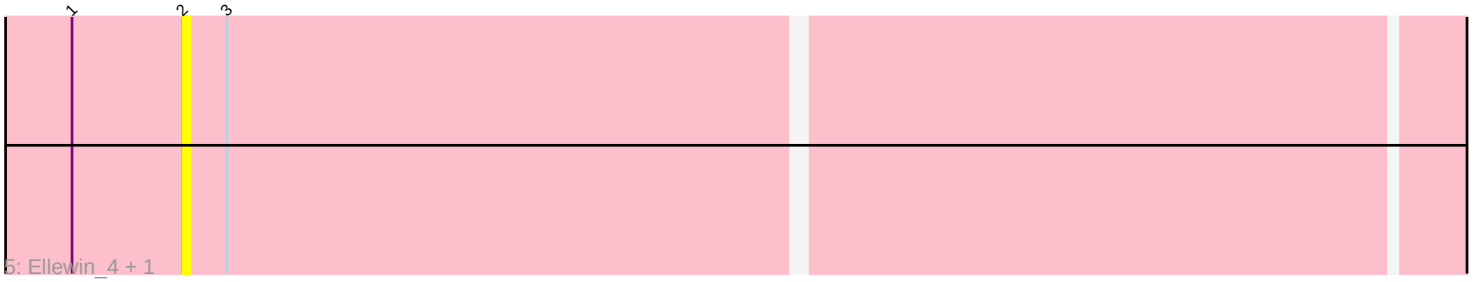
Pham 212925


1
4
5
1: Talia1610_292 + 9


1
2
3
2: WaddleDee_3 + 7


1
2
3
4
6
3: LeoJr_6 + 1


1
2
3
4
6
4: ReginaGlobina_316 + 1


1
2
3
5: Ellewin_4 + 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 212925 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212925 has 24 members, 20 are drafts.

Phages represented in each track:
• Track 1 : Talia1610_292, Mimi_6, Patbob_6, GoldenEssence_6, GoldenEssence_288, Bloom_293, Talia1610_6, Mimi_291, Bloom_6, Patbob_296
• Track 2 : WaddleDee_3, DunneganBoMo_306, WaddleDee_305, KSunshine22_5, KSunshine22_297, Panchaali_304, DunneganBoMo_3, Panchaali_5
• Track 3 : LeoJr_6, LeoJr_319
• Track 4 : ReginaGlobina_316, ReginaGlobina_5
• Track 5 : Ellewin_4, Ellewin_303

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_293, Bloom_6, DunneganBoMo_3, DunneganBoMo_306, GoldenEssence_288, GoldenEssence_6, KSunshine22_297, KSunshine22_5, Mimi_291, Mimi_6, Panchaali_304, Panchaali_5, Patbob_296, Patbob_6, ReginaGlobina_316, ReginaGlobina_5, Talia1610_292, Talia1610_6, WaddleDee_3, WaddleDee_305,

Genes that have the "Most Annotated" start but do not call it:
• Ellewin_303, Ellewin_4, LeoJr_319, LeoJr_6,

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

Summary by start number:

Start 1:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Bloom_293 (FC), Bloom_6 (FC), DunneganBoMo_3 (FC), DunneganBoMo_306 (FC), GoldenEssence_288 (FC),

GoldenEssence_6 (FC), KSunshine22_297 (FC), KSunshine22_5 (FC), Mimi_291 (FC), Mimi_6 (FC), Panchaali_304 (FC), Panchaali_5 (FC), Patbob_296 (FC), Patbob_6 (FC), ReginaGlobina_316 (FC), ReginaGlobina_5 (FC), Talia1610_292 (FC), Talia1610_6 (FC), WaddleDee_3 (FC), WaddleDee_305 (FC),

Start 2:
• Found in 14 of 24 (58.3%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Ellewin_303 (FC), Ellewin_4 (FC),

Start 4:
• Found in 14 of 24 (58.3%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: LeoJr_319 (FC), LeoJr_6 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Bloom_293 Start: 177165, Stop: 177395, Start Num: 1
Candidate Starts for Bloom_293:
(Start: 1 @177165 has 4 MA's), (4, 177204), (5, 177273),

Gene: Bloom_6 Start: 3690, Stop: 3920, Start Num: 1
Candidate Starts for Bloom_6:
(Start: 1 @3690 has 4 MA's), (4, 3729), (5, 3798),

Gene: DunneganBoMo_306 Start: 182022, Stop: 182234, Start Num: 1
Candidate Starts for DunneganBoMo_306:
(Start: 1 @182022 has 4 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 4 MA's), (2, 2625), (3, 2631),

Gene: Ellewin_4 Start: 2555, Stop: 2752, Start Num: 2
Candidate Starts for Ellewin_4:
(Start: 1 @2540 has 4 MA's), (2, 2555), (3, 2561),

Gene: Ellewin_303 Start: 181669, Stop: 181866, Start Num: 2
Candidate Starts for Ellewin_303:
(Start: 1 @181654 has 4 MA's), (2, 181669), (3, 181675),

Gene: GoldenEssence_6 Start: 3684, Stop: 3914, Start Num: 1

Candidate Starts for GoldenEssence_6:
(Start: 1 @3684 has 4 MA's), (4, 3723), (5, 3792),

Gene: GoldenEssence_288 Start: 174237, Stop: 174467, Start Num: 1
Candidate Starts for GoldenEssence_288:
(Start: 1 @174237 has 4 MA's), (4, 174276), (5, 174345),

Gene: KSunshine22_5 Start: 3200, Stop: 3412, Start Num: 1
Candidate Starts for KSunshine22_5:
(Start: 1 @3200 has 4 MA's), (2, 3215), (3, 3221),

Gene: KSunshine22_297 Start: 180101, Stop: 180313, Start Num: 1
Candidate Starts for KSunshine22_297:
(Start: 1 @180101 has 4 MA's), (2, 180116), (3, 180122),

Gene: LeoJr_6 Start: 3533, Stop: 3703, Start Num: 4
Candidate Starts for LeoJr_6:
(Start: 1 @3494 has 4 MA's), (2, 3509), (3, 3515), (4, 3533), (6, 3650),

Gene: LeoJr_319 Start: 180836, Stop: 181006, Start Num: 4
Candidate Starts for LeoJr_319:
(Start: 1 @180797 has 4 MA's), (2, 180812), (3, 180818), (4, 180836), (6, 180953),

Gene: Mimi_6 Start: 3626, Stop: 3856, Start Num: 1
Candidate Starts for Mimi_6:
(Start: 1 @3626 has 4 MA's), (4, 3665), (5, 3734),

Gene: Mimi_291 Start: 176286, Stop: 176516, Start Num: 1
Candidate Starts for Mimi_291:
(Start: 1 @176286 has 4 MA's), (4, 176325), (5, 176394),

Gene: Panchaali_304 Start: 181753, Stop: 181965, Start Num: 1
Candidate Starts for Panchaali_304:
(Start: 1 @181753 has 4 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 4 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 4 MA's), (4, 3771), (5, 3840),

Gene: Patbob_296 Start: 179191, Stop: 179421, Start Num: 1
Candidate Starts for Patbob_296:
(Start: 1 @179191 has 4 MA's), (4, 179230), (5, 179299),

Gene: ReginaGlobina_316 Start: 180788, Stop: 180997, Start Num: 1
Candidate Starts for ReginaGlobina_316:
(Start: 1 @180788 has 4 MA's), (2, 180803), (3, 180809), (4, 180827), (6, 180944),

Gene: ReginaGlobina_5 Start: 3341, Stop: 3550, Start Num: 1
Candidate Starts for ReginaGlobina_5:

(Start: 1 @3341 has 4 MA's), (2, 3356), (3, 3362), (4, 3380), (6, 3497),

Gene: Talia1610_292 Start: 178113, Stop: 178343, Start Num: 1
Candidate Starts for Talia1610_292:
(Start: 1 @178113 has 4 MA's), (4, 178152), (5, 178221),

Gene: Talia1610_6 Start: 3641, Stop: 3871, Start Num: 1
Candidate Starts for Talia1610_6:
(Start: 1 @3641 has 4 MA's), (4, 3680), (5, 3749),

Gene: WaddleDee_3 Start: 2610, Stop: 2822, Start Num: 1
Candidate Starts for WaddleDee_3:
(Start: 1 @2610 has 4 MA's), (2, 2625), (3, 2631),

Gene: WaddleDee_305 Start: 180805, Stop: 181017, Start Num: 1
Candidate Starts for WaddleDee_305:
(Start: 1 @180805 has 4 MA's), (2, 180820), (3, 180826),