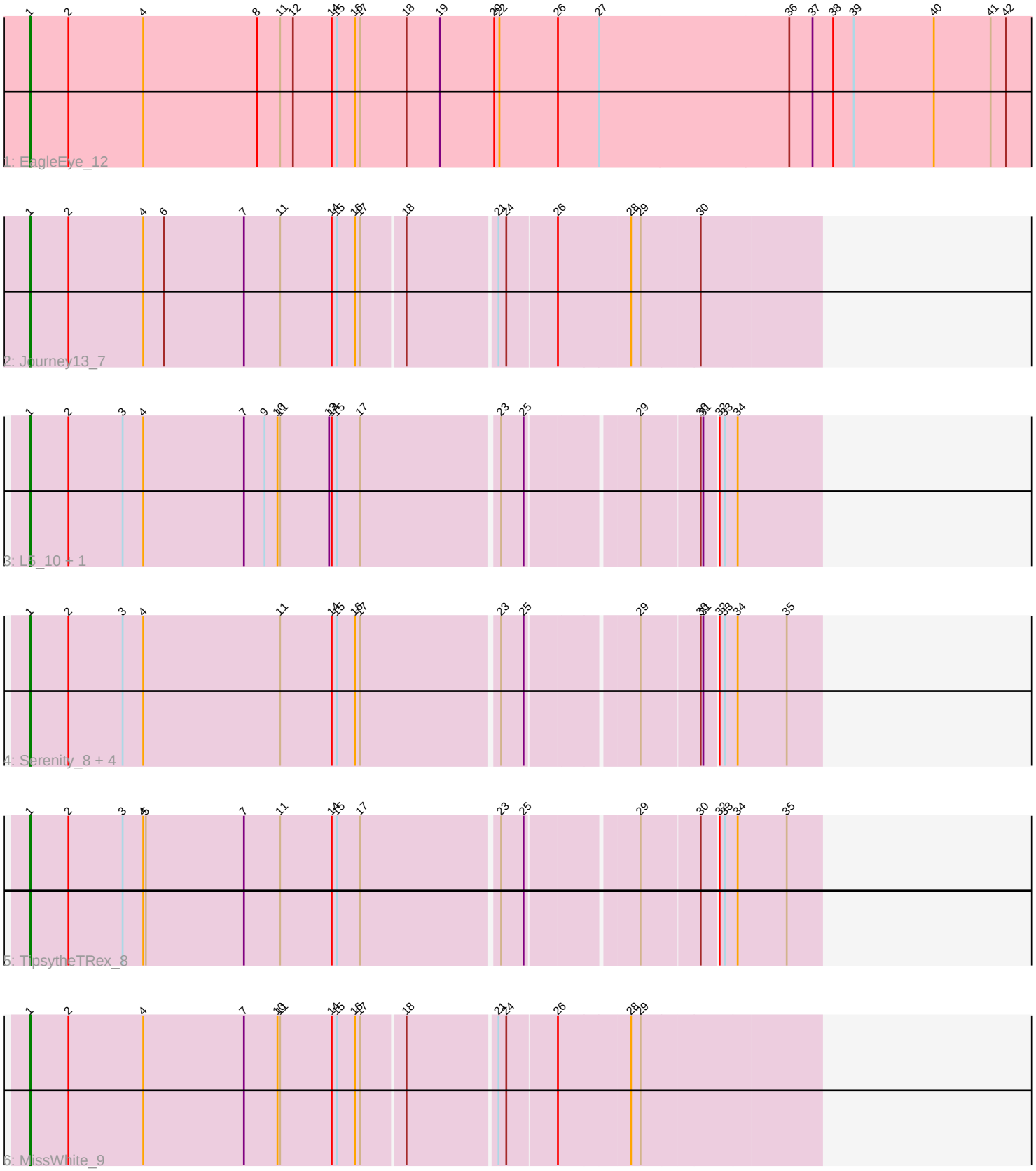
Pham 331457


1: EagleEye_12
2: Journey13_7
3: L5_10 + 1
4: Serenity_8 + 4
5: TipsytheTRex_8
6: MissWhite_9

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 331457 Report

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

Pham number 331457 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EagleEye_12
• Track 2 : Journey13_7
• Track 3 : L5_10, Koduck_10
• Track 4 : Serenity_8, Quokka_7, Jsquared_8, MajorMajor_8, Bradman_8
• Track 5 : TipsytheTRex_8
• Track 6 : MissWhite_9

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bradman_8, EagleEye_12, Journey13_7, Jsquared_8, Koduck_10, L5_10, MajorMajor_8, MissWhite_9, Quokka_7, Serenity_8, TipsytheTRex_8,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bradman_8 (A2), EagleEye_12 (A16), Journey13_7 (A2), Jsquared_8 (A2), Koduck_10 (A2), L5_10 (A2), MajorMajor_8 (A2), MissWhite_9 (A2), Quokka_7 (A2), Serenity_8 (A2), TipsytheTRex_8 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A16,

Info for manual annotations of cluster A16:
•Start number 1 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:
•Start number 1 was manually annotated 7 times for cluster A2.

Gene Information:

Gene: Bradman_8 Start: 4332, Stop: 5210, Start Num: 1
Candidate Starts for Bradman_8:
(Start: 1 @4332 has 8 MA's), (2, 4377), (3, 4440), (4, 4464), (11, 4623), (14, 4683), (15, 4689), (16, 4710), (17, 4716), (23, 4869), (25, 4893), (29, 5010), (30, 5076), (31, 5079), (32, 5094), (33, 5100), (34, 5115), (35, 5172),

Gene: EagleEye_12 Start: 5895, Stop: 7142, Start Num: 1
Candidate Starts for EagleEye_12:
(Start: 1 @5895 has 8 MA's), (2, 5940), (4, 6027), (8, 6159), (11, 6186), (12, 6201), (14, 6246), (15, 6252), (16, 6273), (17, 6279), (18, 6333), (19, 6372), (20, 6435), (22, 6441), (26, 6507), (27, 6555), (36, 6774), (37, 6801), (38, 6825), (39, 6849), (40, 6942), (41, 7008), (42, 7026),

Gene: Journey13_7 Start: 4346, Stop: 5233, Start Num: 1
Candidate Starts for Journey13_7:
(Start: 1 @4346 has 8 MA's), (2, 4391), (4, 4478), (6, 4502), (7, 4595), (11, 4637), (14, 4697), (15, 4703), (16, 4724), (17, 4730), (18, 4778), (21, 4877), (24, 4886), (26, 4943), (28, 5024), (29, 5033), (30, 5099),

Gene: Jsquared_8 Start: 4286, Stop: 5164, Start Num: 1
Candidate Starts for Jsquared_8:
(Start: 1 @4286 has 8 MA's), (2, 4331), (3, 4394), (4, 4418), (11, 4577), (14, 4637), (15, 4643), (16, 4664), (17, 4670), (23, 4823), (25, 4847), (29, 4964), (30, 5030), (31, 5033), (32, 5048), (33, 5054), (34, 5069), (35, 5126),

Gene: Koduck_10 Start: 4573, Stop: 5451, Start Num: 1
Candidate Starts for Koduck_10:
(Start: 1 @4573 has 8 MA's), (2, 4618), (3, 4681), (4, 4705), (7, 4822), (9, 4846), (10, 4861), (11, 4864), (13, 4921), (14, 4924), (15, 4930), (17, 4957), (23, 5110), (25, 5134), (29, 5251), (30, 5317), (31, 5320), (32, 5335), (33, 5341), (34, 5356),

Gene: L5_10 Start: 4581, Stop: 5459, Start Num: 1
Candidate Starts for L5_10:
(Start: 1 @4581 has 8 MA's), (2, 4626), (3, 4689), (4, 4713), (7, 4830), (9, 4854), (10, 4869), (11, 4872), (13, 4929), (14, 4932), (15, 4938), (17, 4965), (23, 5118), (25, 5142), (29, 5259), (30, 5325), (31, 5328), (32, 5343), (33, 5349), (34, 5364),

Gene: MajorMajor_8 Start: 4332, Stop: 5210, Start Num: 1
Candidate Starts for MajorMajor_8:
(Start: 1 @4332 has 8 MA's), (2, 4377), (3, 4440), (4, 4464), (11, 4623), (14, 4683), (15, 4689), (16, 4710), (17, 4716), (23, 4869), (25, 4893), (29, 5010), (30, 5076), (31, 5079), (32, 5094), (33, 5100), (34, 5115), (35, 5172),

Gene: MissWhite_9 Start: 4390, Stop: 5277, Start Num: 1
Candidate Starts for MissWhite_9:
(Start: 1 @4390 has 8 MA's), (2, 4435), (4, 4522), (7, 4639), (10, 4678), (11, 4681), (14, 4741), (15, 4747), (16, 4768), (17, 4774), (18, 4822), (21, 4921), (24, 4930), (26, 4987), (28, 5068), (29, 5077),

Gene: Quokka_7 Start: 4332, Stop: 5210, Start Num: 1
Candidate Starts for Quokka_7:
(Start: 1 @4332 has 8 MA's), (2, 4377), (3, 4440), (4, 4464), (11, 4623), (14, 4683), (15, 4689), (16, 4710), (17, 4716), (23, 4869), (25, 4893), (29, 5010), (30, 5076), (31, 5079), (32, 5094), (33, 5100), (34, 5115), (35, 5172),

Gene: Serenity_8 Start: 4332, Stop: 5210, Start Num: 1
Candidate Starts for Serenity_8:
(Start: 1 @4332 has 8 MA's), (2, 4377), (3, 4440), (4, 4464), (11, 4623), (14, 4683), (15, 4689), (16, 4710), (17, 4716), (23, 4869), (25, 4893), (29, 5010), (30, 5076), (31, 5079), (32, 5094), (33, 5100), (34, 5115), (35, 5172),

Gene: TipsytheTRex_8 Start: 4285, Stop: 5163, Start Num: 1
Candidate Starts for TipsytheTRex_8:
(Start: 1 @4285 has 8 MA's), (2, 4330), (3, 4393), (4, 4417), (5, 4420), (7, 4534), (11, 4576), (14, 4636), (15, 4642), (17, 4669), (23, 4822), (25, 4846), (29, 4963), (30, 5029), (32, 5047), (33, 5053), (34, 5068), (35, 5125),