Pham 348287


1: EhyElimayoE_298 + 4
2: JustBecause_291
3: Kela_290
4: Frankenweenie_319
5: Nirvana_320

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 348287 Report

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

Pham number 348287 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : EhyElimayoE_298, Kradal_295, Sarkar_293, Quantum_293, Satis_295
• Track 2 : JustBecause_291
• Track 3 : Kela_290
• Track 4 : Frankenweenie_319
• Track 5 : Nirvana_320

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 12, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_298, Kradal_295, Quantum_293, Sarkar_293, Satis_295,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Frankenweenie_319, JustBecause_291, Kela_290, Nirvana_320,

Summary by start number:

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kela_290 (BM),

Start 10:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_319 (BM), Nirvana_320 (BM),

Start 11:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustBecause_291 (BM),

Start 12:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_298 (BM), Kradal_295 (BM), Quantum_293 (BM), Sarkar_293 (BM), Satis_295 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 8 was manually annotated 1 time for cluster BM.
•Start number 10 was manually annotated 2 times for cluster BM.
•Start number 11 was manually annotated 1 time for cluster BM.
•Start number 12 was manually annotated 5 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_298 Start: 163889, Stop: 163491, Start Num: 12
Candidate Starts for EhyElimayoE_298:
(2, 164102), (3, 164003), (5, 163964), (6, 163943), (7, 163931), (Start: 12 @163889 has 5 MA's), (15, 163841), (16, 163829), (18, 163790), (20, 163721), (23, 163688), (24, 163670), (26, 163616), (27, 163601), (28, 163553), (29, 163547), (32, 163505),

Gene: Frankenweenie_319 Start: 175510, Stop: 175103, Start Num: 10
Candidate Starts for Frankenweenie_319:
(Start: 10 @175510 has 2 MA's), (15, 175453), (17, 175420), (20, 175333), (21, 175330), (23, 175300), (25, 175273), (26, 175228),

Gene: JustBecause_291 Start: 159225, Stop: 158815, Start Num: 11
Candidate Starts for JustBecause_291:
(1, 159573), (9, 159228), (Start: 11 @159225 has 1 MA's), (14, 159174), (15, 159165), (16, 159153), (19, 159057), (26, 158940), (28, 158877), (30, 158841), (31, 158832),

Gene: Kela_290 Start: 160745, Stop: 160329, Start Num: 8
Candidate Starts for Kela_290:
(Start: 8 @160745 has 1 MA's), (14, 160688), (15, 160679), (16, 160667), (19, 160571), (26, 160454), (28, 160391), (30, 160355), (31, 160346),

Gene: Kradal_295 Start: 163886, Stop: 163488, Start Num: 12
Candidate Starts for Kradal_295:
(2, 164099), (3, 164000), (5, 163961), (6, 163940), (7, 163928), (Start: 12 @163886 has 5 MA's), (15, 163838), (16, 163826), (18, 163787), (20, 163718), (23, 163685), (24, 163667), (26, 163613), (27,

163598), (28, 163550), (29, 163544), (32, 163502),

Gene: Nirvana_320 Start: 177362, Stop: 176946, Start Num: 10
Candidate Starts for Nirvana_320:
(4, 177449), (Start: 10 @177362 has 2 MA's), (13, 177344), (14, 177305), (15, 177296), (17, 177263), (20, 177176), (22, 177167), (23, 177143), (25, 177116), (26, 177071),

Gene: Quantum_293 Start: 163880, Stop: 163482, Start Num: 12
Candidate Starts for Quantum_293:
(2, 164093), (3, 163994), (5, 163955), (6, 163934), (7, 163922), (Start: 12 @163880 has 5 MA's), (15, 163832), (16, 163820), (18, 163781), (20, 163712), (23, 163679), (24, 163661), (26, 163607), (27, 163592), (28, 163544), (29, 163538), (32, 163496),

Gene: Sarkar_293 Start: 163931, Stop: 163533, Start Num: 12
Candidate Starts for Sarkar_293:
(2, 164144), (3, 164045), (5, 164006), (6, 163985), (7, 163973), (Start: 12 @163931 has 5 MA's), (15, 163883), (16, 163871), (18, 163832), (20, 163763), (23, 163730), (24, 163712), (26, 163658), (27, 163643), (28, 163595), (29, 163589), (32, 163547),

Gene: Satis_295 Start: 164223, Stop: 163825, Start Num: 12
Candidate Starts for Satis_295:
(2, 164436), (3, 164337), (5, 164298), (6, 164277), (7, 164265), (Start: 12 @164223 has 5 MA's), (15, 164175), (16, 164163), (18, 164124), (20, 164055), (23, 164022), (24, 164004), (26, 163950), (27, 163935), (28, 163887), (29, 163881), (32, 163839),