



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 7725 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7725 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EhyElimayoE_303, Kradal_300, Satis_300
- Track 2 : Nirvana_346
- Track 3 : Frankenweenie_324
- Track 4 : Kela_296, JustBecause_296

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Frankenweenie_324, JustBecause_296, Kela_296, Nirvana_346,

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:

- EhyElimayoE_303, Kradal_300, Satis_300,

Summary by start number:

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankenweenie_324 (BM), JustBecause_296 (BM), Kela_296 (BM), Nirvana_346 (BM),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 42.9% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_303 (BM), Kradal_300 (BM), Satis_300 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 2 was manually annotated 3 times for cluster BM.
- Start number 3 was manually annotated 3 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_303 Start: 166015, Stop: 165677, Start Num: 3

Candidate Starts for EhyElimayoE_303:

(Start: 3 @166015 has 3 MA's), (5, 165982), (6, 165979), (9, 165955), (12, 165862), (14, 165775), (16, 165733), (17, 165706),

Gene: Frankenweenie_324 Start: 177389, Stop: 177042, Start Num: 2

Candidate Starts for Frankenweenie_324:

(Start: 2 @177389 has 3 MA's), (Start: 3 @177380 has 3 MA's), (4, 177350), (6, 177344), (7, 177341), (9, 177320), (10, 177311), (11, 177269), (12, 177227), (15, 177107), (17, 177071),

Gene: JustBecause_296 Start: 161103, Stop: 160735, Start Num: 2

Candidate Starts for JustBecause_296:

(1, 161127), (Start: 2 @161103 has 3 MA's), (Start: 3 @161097 has 3 MA's), (7, 161058), (8, 161040), (12, 160944), (13, 160869),

Gene: Kela_296 Start: 162801, Stop: 162433, Start Num: 2

Candidate Starts for Kela_296:

(1, 162825), (Start: 2 @162801 has 3 MA's), (Start: 3 @162795 has 3 MA's), (7, 162756), (8, 162738), (12, 162642), (13, 162567),

Gene: Kradal_300 Start: 166012, Stop: 165674, Start Num: 3

Candidate Starts for Kradal_300:

(Start: 3 @166012 has 3 MA's), (5, 165979), (6, 165976), (9, 165952), (12, 165859), (14, 165772), (16, 165730), (17, 165703),

Gene: Nirvana_346 Start: 180058, Stop: 179711, Start Num: 2

Candidate Starts for Nirvana_346:

(Start: 2 @180058 has 3 MA's), (Start: 3 @180049 has 3 MA's), (4, 180019), (6, 180013), (7, 180010), (9, 179989), (10, 179980), (12, 179896), (15, 179776), (17, 179740),

Gene: Satis_300 Start: 166349, Stop: 166011, Start Num: 3

Candidate Starts for Satis_300:

(Start: 3 @166349 has 3 MA's), (5, 166316), (6, 166313), (9, 166289), (12, 166196), (14, 166109), (16, 166067), (17, 166040),