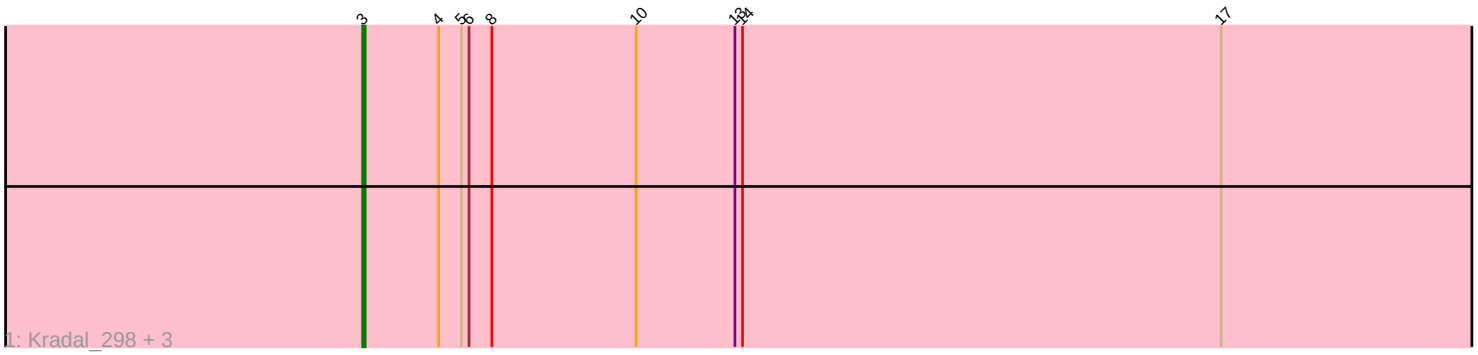
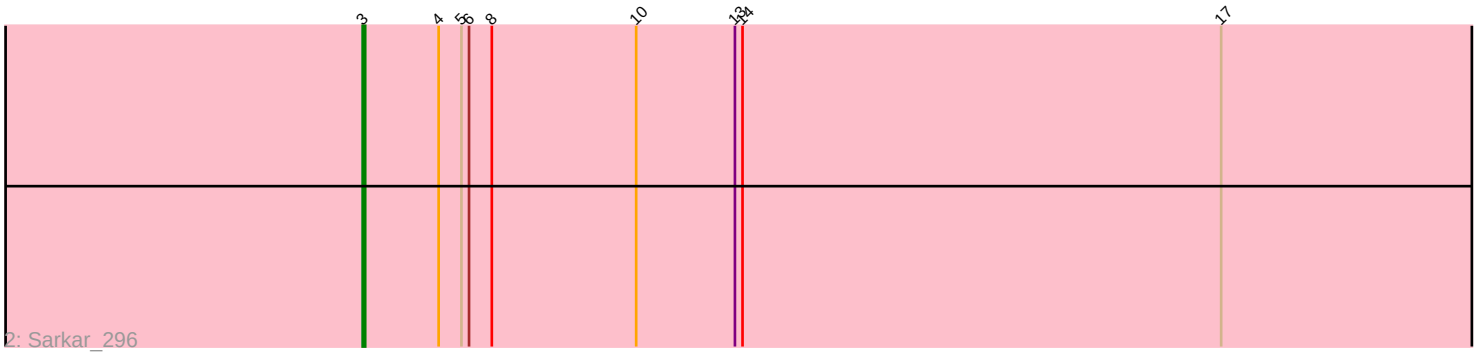
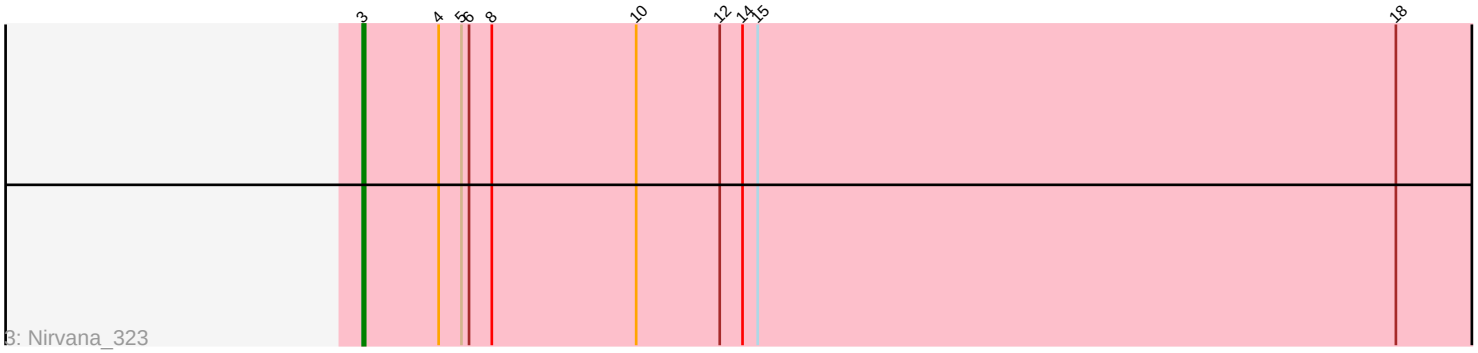
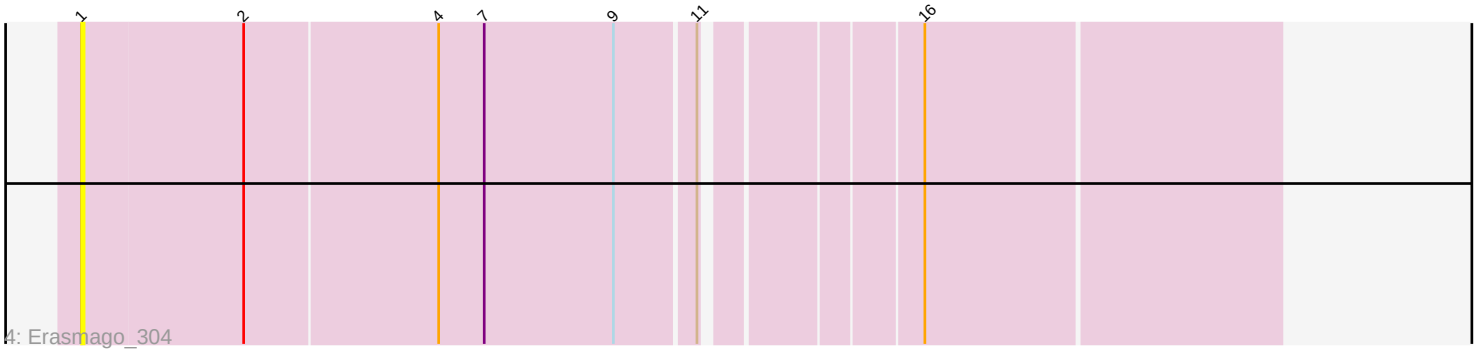
Pham 348348


3
4
5
6
8
10
13
14
17
1: Kradal_298 + 3


3
4
5
6
8
10
13
14
17
2: Sarkar_296


3
4
5
6
8
10
12
14
15
18
3: Nirvana_323


1
2
4
7
9
11
16
4: Erasmago_304

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 348348 Report

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

Pham number 348348 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kradal_298, EhyElimayoE_301, Quantum_296, Satis_298
• Track 2 : Sarkar_296
• Track 3 : Nirvana_323
• Track 4 : Erasmago_304

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

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_301, Kradal_298, Nirvana_323, Quantum_296, Sarkar_296, Satis_298,

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

Genes that do not have the "Most Annotated" start:
• Erasmago_304,

Summary by start number:

Start 1:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erasmago_304 (GD2),

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_301 (BM), Kradal_298 (BM), Nirvana_323 (BM), Quantum_296 (BM), Sarkar_296 (BM), Satis_298 (BM),

Summary by clusters:

There are 2 clusters represented in this pham: BM, GD2,

Info for manual annotations of cluster BM:
•Start number 3 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_301 Start: 165214, Stop: 164768, Start Num: 3
Candidate Starts for EhyElimayoE_301:
(Start: 3 @165214 has 6 MA's), (4, 165184), (5, 165175), (6, 165172), (8, 165163), (10, 165106), (13, 165067), (14, 165064), (17, 164875),

Gene: Erasmago_304 Start: 162654, Stop: 163103, Start Num: 1
Candidate Starts for Erasmago_304:
(1, 162654), (2, 162717), (4, 162792), (7, 162810), (9, 162861), (11, 162891), (16, 162966),

Gene: Kradal_298 Start: 165211, Stop: 164765, Start Num: 3
Candidate Starts for Kradal_298:
(Start: 3 @165211 has 6 MA's), (4, 165181), (5, 165172), (6, 165169), (8, 165160), (10, 165103), (13, 165064), (14, 165061), (17, 164872),

Gene: Nirvana_323 Start: 178592, Stop: 178146, Start Num: 3
Candidate Starts for Nirvana_323:
(Start: 3 @178592 has 6 MA's), (4, 178562), (5, 178553), (6, 178550), (8, 178541), (10, 178484), (12, 178451), (14, 178442), (15, 178436), (18, 178184),

Gene: Quantum_296 Start: 165205, Stop: 164759, Start Num: 3
Candidate Starts for Quantum_296:
(Start: 3 @165205 has 6 MA's), (4, 165175), (5, 165166), (6, 165163), (8, 165154), (10, 165097), (13, 165058), (14, 165055), (17, 164866),

Gene: Sarkar_296 Start: 165256, Stop: 164810, Start Num: 3
Candidate Starts for Sarkar_296:
(Start: 3 @165256 has 6 MA's), (4, 165226), (5, 165217), (6, 165214), (8, 165205), (10, 165148), (13, 165109), (14, 165106), (17, 164917),

Gene: Satis_298 Start: 165548, Stop: 165102, Start Num: 3
Candidate Starts for Satis_298:
(Start: 3 @165548 has 6 MA's), (4, 165518), (5, 165509), (6, 165506), (8, 165497), (10, 165440), (13, 165401), (14, 165398), (17, 165209),