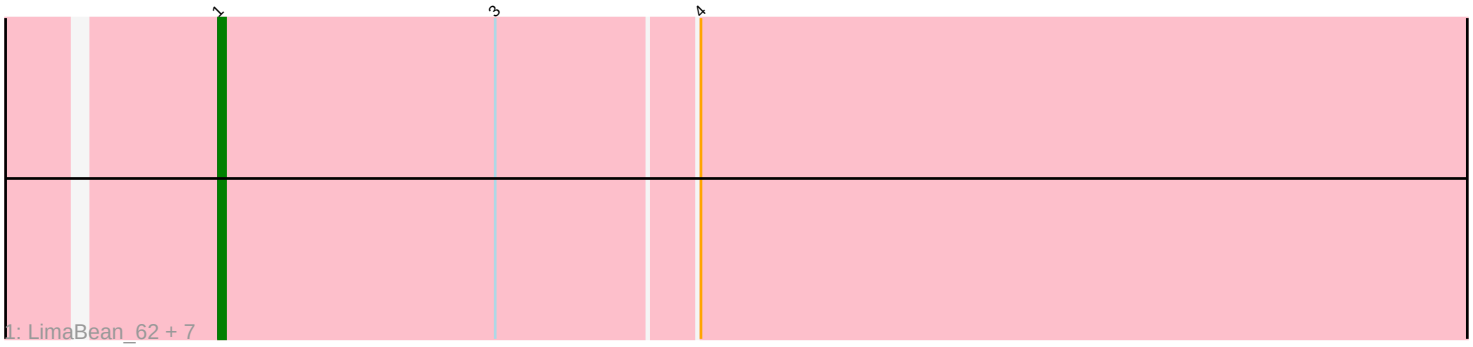
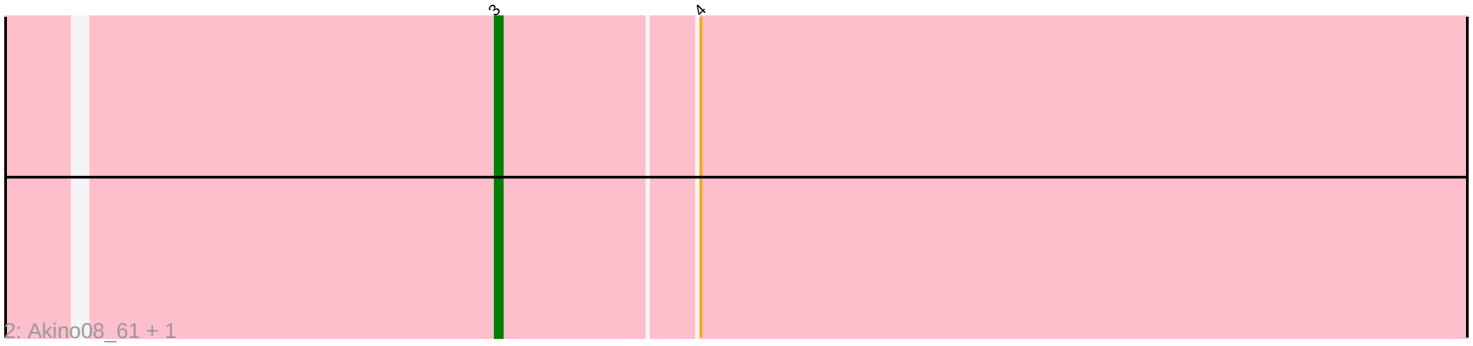
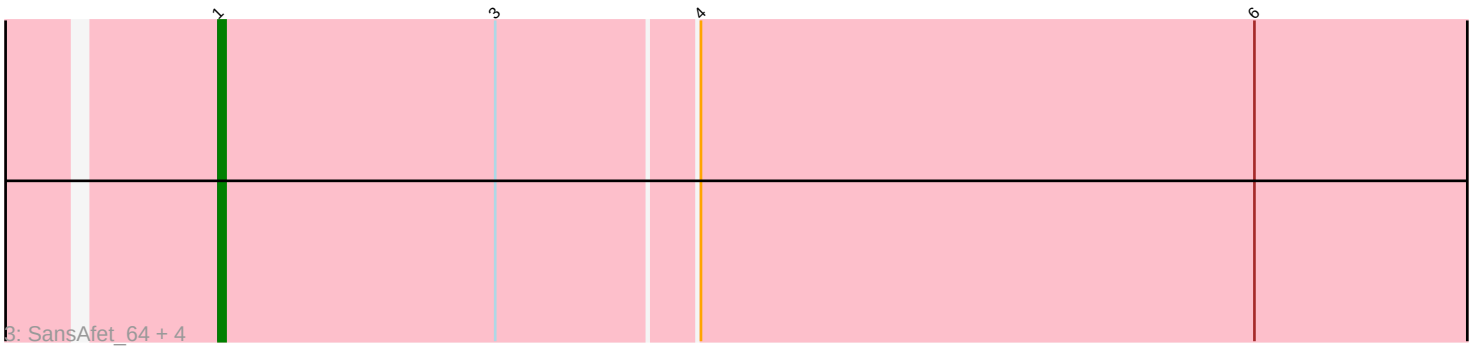
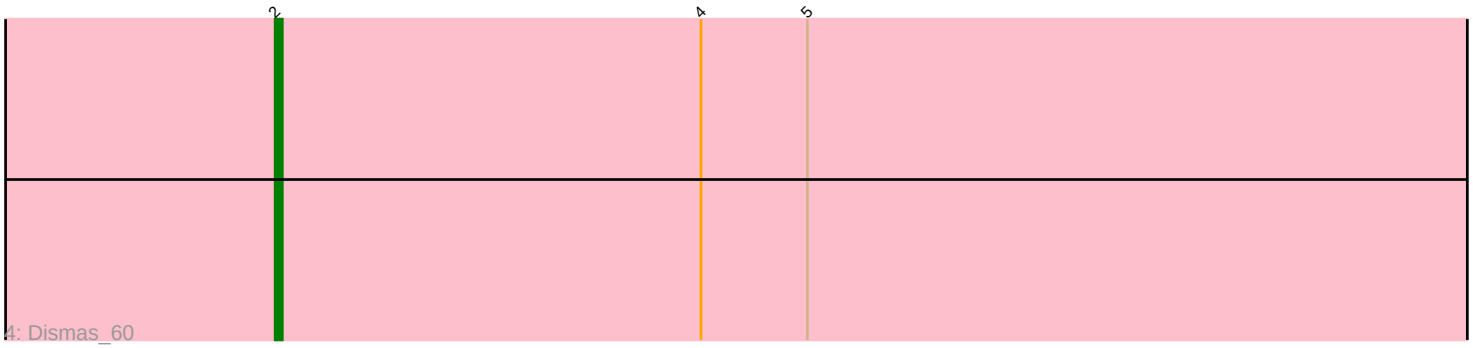
Pham 291624


1
3
4
1: LimaBean_62 + 7


3
4
2: Akino08_61 + 1


1
3
4
6
3: SansAfet_64 + 4


2
4
5
4: Dismas_60

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 291624 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291624 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LimaBean_62, Burritobowl_64, Arroyo_63, PondAmelia_75, Bengal_65, CupcakePrincess_62, Nicky22_62, AnnaLie_62
• Track 2 : Akino08_61, Loviatar_61
• Track 3 : SansAfet_64, Kate33_67, Lahqtemish_63, BabyDaisy_65, PastaFagioli_64
• Track 4 : Dismas_60

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnnaLie_62, Arroyo_63, BabyDaisy_65, Bengal_65, Burritobowl_64, CupcakePrincess_62, Kate33_67, Lahqtemish_63, LimaBean_62, Nicky22_62, PastaFagioli_64, PondAmelia_75, SansAfet_64,

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

Genes that do not have the "Most Annotated" start:
• Akino08_61, Dismas_60, Loviatar_61,

Summary by start number:

Start 1:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaLie_62 (EB), Arroyo_63 (EB), BabyDaisy_65 (EB), Bengal_65 (EB), Burritobowl_64 (EB), CupcakePrincess_62 (EB), Kate33_67 (EB), Lahqtemish_63 (EB), LimaBean_62 (EB), Nicky22_62 (EB), PastaFagioli_64 (EB), PondAmelia_75 (EB), SansAfet_64 (EB),

Start 2:

• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dismas_60 (EB),

Start 3:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 13.3% of time when present
• Phage (with cluster) where this start called: Akino08_61 (EB), Loviatar_61 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 12 times for cluster EB.
•Start number 2 was manually annotated 1 time for cluster EB.
•Start number 3 was manually annotated 2 times for cluster EB.

Gene Information:

Gene: Akino08_61 Start: 40409, Stop: 40576, Start Num: 3
Candidate Starts for Akino08_61:
(Start: 3 @40409 has 2 MA's), (4, 40436),

Gene: AnnaLie_62 Start: 39565, Stop: 39771, Start Num: 1
Candidate Starts for AnnaLie_62:
(Start: 1 @39565 has 12 MA's), (Start: 3 @39604 has 2 MA's), (4, 39631),

Gene: Arroyo_63 Start: 39867, Stop: 40070, Start Num: 1
Candidate Starts for Arroyo_63:
(Start: 1 @39867 has 12 MA's), (Start: 3 @39906 has 2 MA's), (4, 39933),

Gene: BabyDaisy_65 Start: 40375, Stop: 40581, Start Num: 1
Candidate Starts for BabyDaisy_65:
(Start: 1 @40375 has 12 MA's), (Start: 3 @40414 has 2 MA's), (4, 40441), (6, 40519),

Gene: Bengal_65 Start: 39625, Stop: 39828, Start Num: 1
Candidate Starts for Bengal_65:
(Start: 1 @39625 has 12 MA's), (Start: 3 @39664 has 2 MA's), (4, 39691),

Gene: Burritobowl_64 Start: 39393, Stop: 39599, Start Num: 1
Candidate Starts for Burritobowl_64:
(Start: 1 @39393 has 12 MA's), (Start: 3 @39432 has 2 MA's), (4, 39459),

Gene: CupcakePrincess_62 Start: 38947, Stop: 39150, Start Num: 1
Candidate Starts for CupcakePrincess_62:
(Start: 1 @38947 has 12 MA's), (Start: 3 @38986 has 2 MA's), (4, 39013),

Gene: Dismas_60 Start: 39563, Stop: 39760, Start Num: 2

Candidate Starts for Dismas_60:
(Start: 2 @39563 has 1 MA's), (4, 39623), (5, 39638),

Gene: Kate33_67 Start: 39842, Stop: 40048, Start Num: 1
Candidate Starts for Kate33_67:
(Start: 1 @39842 has 12 MA's), (Start: 3 @39881 has 2 MA's), (4, 39908), (6, 39986),

Gene: Lahqtemish_63 Start: 40119, Stop: 40322, Start Num: 1
Candidate Starts for Lahqtemish_63:
(Start: 1 @40119 has 12 MA's), (Start: 3 @40158 has 2 MA's), (4, 40185), (6, 40263),

Gene: LimaBean_62 Start: 38787, Stop: 38993, Start Num: 1
Candidate Starts for LimaBean_62:
(Start: 1 @38787 has 12 MA's), (Start: 3 @38826 has 2 MA's), (4, 38853),

Gene: Loviatar_61 Start: 40424, Stop: 40591, Start Num: 3
Candidate Starts for Loviatar_61:
(Start: 3 @40424 has 2 MA's), (4, 40451),

Gene: Nicky22_62 Start: 39355, Stop: 39558, Start Num: 1
Candidate Starts for Nicky22_62:
(Start: 1 @39355 has 12 MA's), (Start: 3 @39394 has 2 MA's), (4, 39421),

Gene: PastaFagioli_64 Start: 40065, Stop: 40271, Start Num: 1
Candidate Starts for PastaFagioli_64:
(Start: 1 @40065 has 12 MA's), (Start: 3 @40104 has 2 MA's), (4, 40131), (6, 40209),

Gene: PondAmelia_75 Start: 39344, Stop: 39550, Start Num: 1
Candidate Starts for PondAmelia_75:
(Start: 1 @39344 has 12 MA's), (Start: 3 @39383 has 2 MA's), (4, 39410),

Gene: SansAfet_64 Start: 39438, Stop: 39644, Start Num: 1
Candidate Starts for SansAfet_64:
(Start: 1 @39438 has 12 MA's), (Start: 3 @39477 has 2 MA's), (4, 39504), (6, 39582),