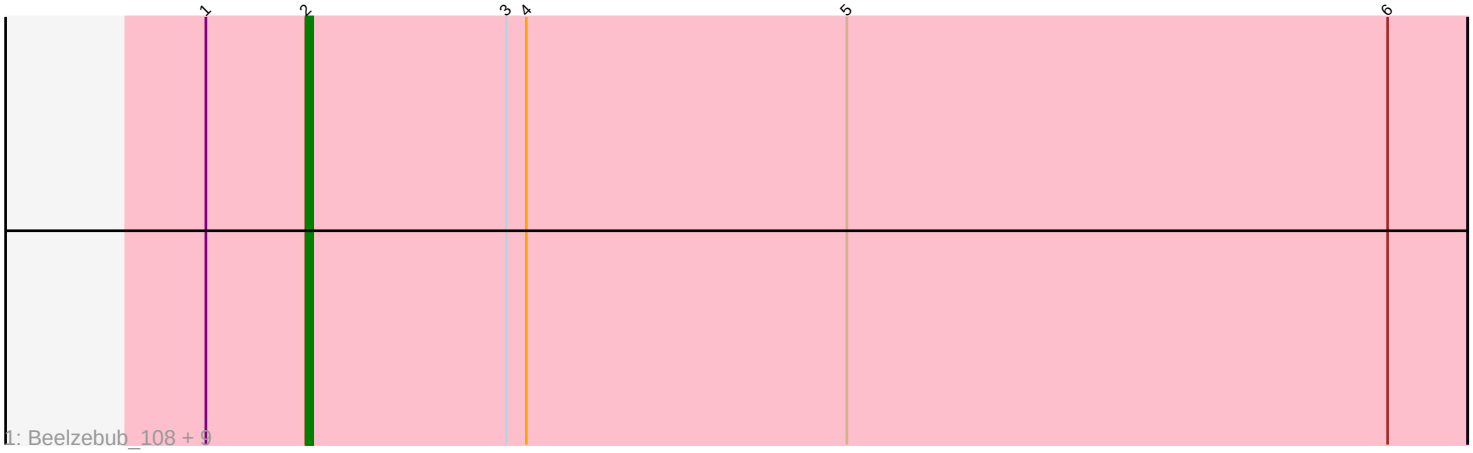
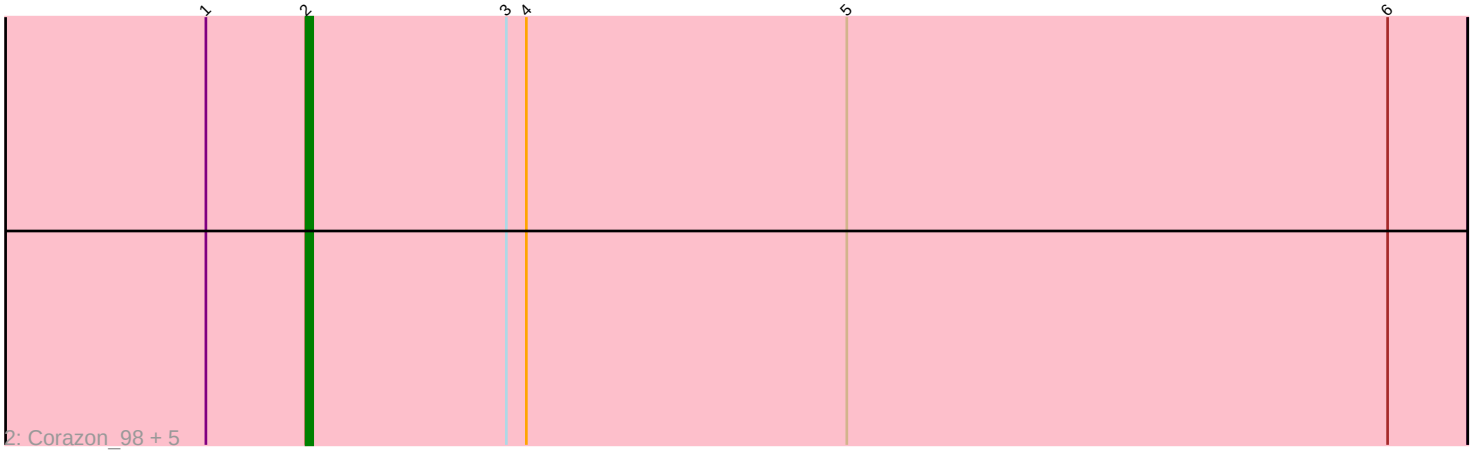
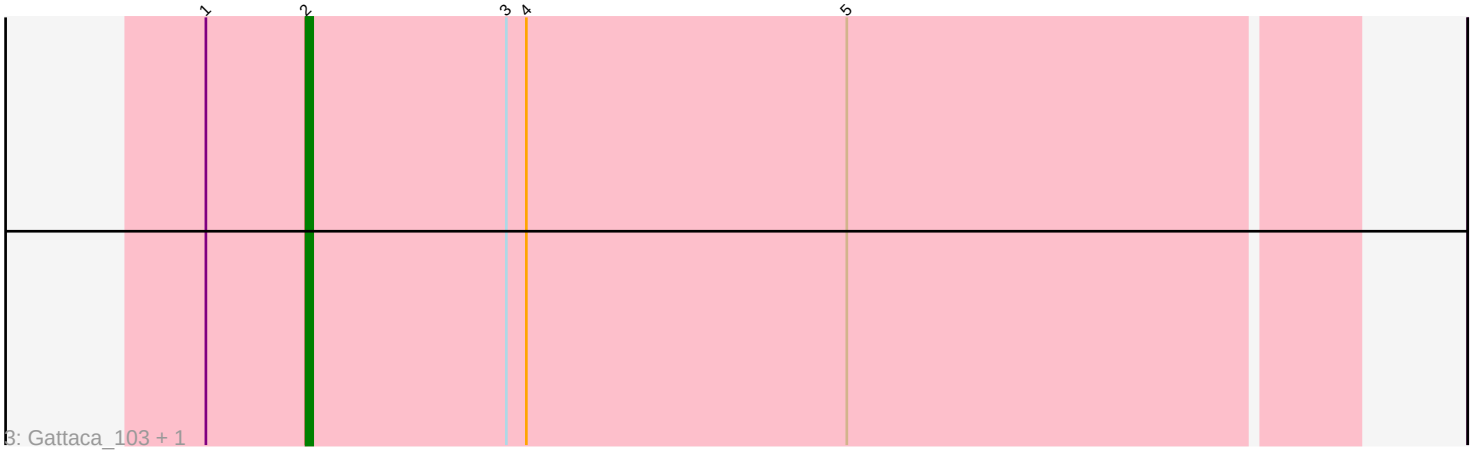
Pham 4196


1
2
3
4
5
6
1: Beelzebub_108 + 9


1
2
3
4
5
6
2: Corazon_98 + 5


1
2
3
4
5
3: Gattaca_103 + 1

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 4196 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4196 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Beelzebub_108, Poise_105, JoieB_105, VasuNzinga_102, Raela_106, Marvin_98, Pringar_100, RedRaider77_104, Blackbeetle_105, Tesla_100
• Track 2 : Corazon_98, Caprice_96, Clarkson_104, Huphlepuff_105, LittleLaf_101, Lilbit_101
• Track 3 : Gattaca_103, MosMoris_100

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_108, Blackbeetle_105, Caprice_96, Clarkson_104, Corazon_98, Gattaca_103, Huphlepuff_105, JoieB_105, Lilbit_101, LittleLaf_101, Marvin_98, MosMoris_100, Poise_105, Pringar_100, Raela_106, RedRaider77_104, Tesla_100, VasuNzinga_102,

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 2:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_108 (S), Blackbeetle_105 (S), Caprice_96 (S), Clarkson_104 (S), Corazon_98 (S), Gattaca_103 (S), Huphlepuff_105 (S), JoieB_105 (S), Lilbit_101 (S), LittleLaf_101 (S), Marvin_98 (S), MosMoris_100 (S), Poise_105 (S), Pringar_100 (S), Raela_106 (S), RedRaider77_104 (S), Tesla_100 (S), VasuNzinga_102 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:
•Start number 2 was manually annotated 16 times for cluster S.

Gene Information:

Gene: Beelzebub_108 Start: 59005, Stop: 58832, Start Num: 2
Candidate Starts for Beelzebub_108:
(1, 59020), (Start: 2 @59005 has 16 MA's), (3, 58975), (4, 58972), (5, 58924), (6, 58843),

Gene: Blackbeetle_105 Start: 58502, Stop: 58332, Start Num: 2
Candidate Starts for Blackbeetle_105:
(1, 58517), (Start: 2 @58502 has 16 MA's), (3, 58472), (4, 58469), (5, 58421), (6, 58343),

Gene: Caprice_96 Start: 58443, Stop: 58273, Start Num: 2
Candidate Starts for Caprice_96:
(1, 58458), (Start: 2 @58443 has 16 MA's), (3, 58413), (4, 58410), (5, 58362), (6, 58284),

Gene: Clarkson_104 Start: 58442, Stop: 58269, Start Num: 2
Candidate Starts for Clarkson_104:
(1, 58457), (Start: 2 @58442 has 16 MA's), (3, 58412), (4, 58409), (5, 58361), (6, 58280),

Gene: Corazon_98 Start: 58636, Stop: 58463, Start Num: 2
Candidate Starts for Corazon_98:
(1, 58651), (Start: 2 @58636 has 16 MA's), (3, 58606), (4, 58603), (5, 58555), (6, 58474),

Gene: Gattaca_103 Start: 58915, Stop: 58760, Start Num: 2
Candidate Starts for Gattaca_103:
(1, 58930), (Start: 2 @58915 has 16 MA's), (3, 58885), (4, 58882), (5, 58834),

Gene: Huphlepuff_105 Start: 58247, Stop: 58074, Start Num: 2
Candidate Starts for Huphlepuff_105:
(1, 58262), (Start: 2 @58247 has 16 MA's), (3, 58217), (4, 58214), (5, 58166), (6, 58085),

Gene: JoieB_105 Start: 59089, Stop: 58919, Start Num: 2
Candidate Starts for JoieB_105:
(1, 59104), (Start: 2 @59089 has 16 MA's), (3, 59059), (4, 59056), (5, 59008), (6, 58930),

Gene: Lilbit_101 Start: 58807, Stop: 58634, Start Num: 2
Candidate Starts for Lilbit_101:
(1, 58822), (Start: 2 @58807 has 16 MA's), (3, 58777), (4, 58774), (5, 58726), (6, 58645),

Gene: LittleLaf_101 Start: 58536, Stop: 58363, Start Num: 2
Candidate Starts for LittleLaf_101:
(1, 58551), (Start: 2 @58536 has 16 MA's), (3, 58506), (4, 58503), (5, 58455), (6, 58374),

Gene: Marvin_98 Start: 58574, Stop: 58404, Start Num: 2

Candidate Starts for Marvin_98:
(1, 58589), (Start: 2 @58574 has 16 MA's), (3, 58544), (4, 58541), (5, 58493), (6, 58415),

Gene: MosMoris_100 Start: 58921, Stop: 58766, Start Num: 2
Candidate Starts for MosMoris_100:
(1, 58936), (Start: 2 @58921 has 16 MA's), (3, 58891), (4, 58888), (5, 58840),

Gene: Poise_105 Start: 58502, Stop: 58332, Start Num: 2
Candidate Starts for Poise_105:
(1, 58517), (Start: 2 @58502 has 16 MA's), (3, 58472), (4, 58469), (5, 58421), (6, 58343),

Gene: Pringar_100 Start: 58292, Stop: 58119, Start Num: 2
Candidate Starts for Pringar_100:
(1, 58307), (Start: 2 @58292 has 16 MA's), (3, 58262), (4, 58259), (5, 58211), (6, 58130),

Gene: Raela_106 Start: 59057, Stop: 58887, Start Num: 2
Candidate Starts for Raela_106:
(1, 59072), (Start: 2 @59057 has 16 MA's), (3, 59027), (4, 59024), (5, 58976), (6, 58898),

Gene: RedRaider77_104 Start: 58450, Stop: 58280, Start Num: 2
Candidate Starts for RedRaider77_104:
(1, 58465), (Start: 2 @58450 has 16 MA's), (3, 58420), (4, 58417), (5, 58369), (6, 58291),

Gene: Tesla_100 Start: 58297, Stop: 58127, Start Num: 2
Candidate Starts for Tesla_100:
(1, 58312), (Start: 2 @58297 has 16 MA's), (3, 58267), (4, 58264), (5, 58216), (6, 58138),

Gene: VasuNzinga_102 Start: 58386, Stop: 58213, Start Num: 2
Candidate Starts for VasuNzinga_102:
(1, 58401), (Start: 2 @58386 has 16 MA's), (3, 58356), (4, 58353), (5, 58305), (6, 58224),