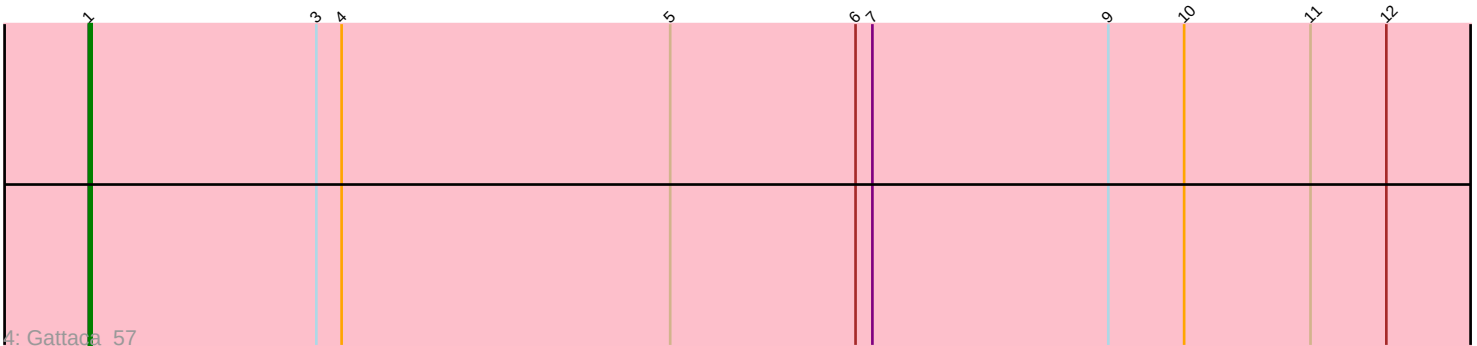
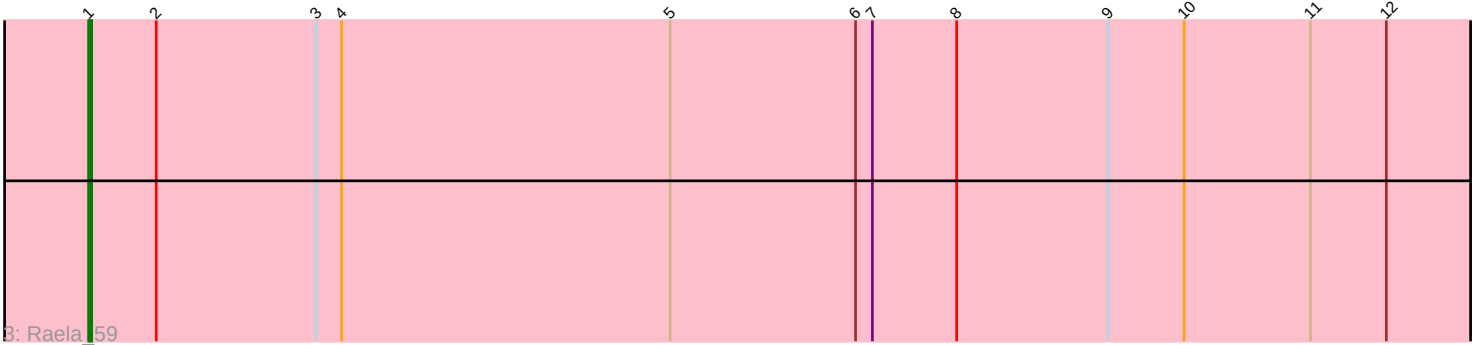
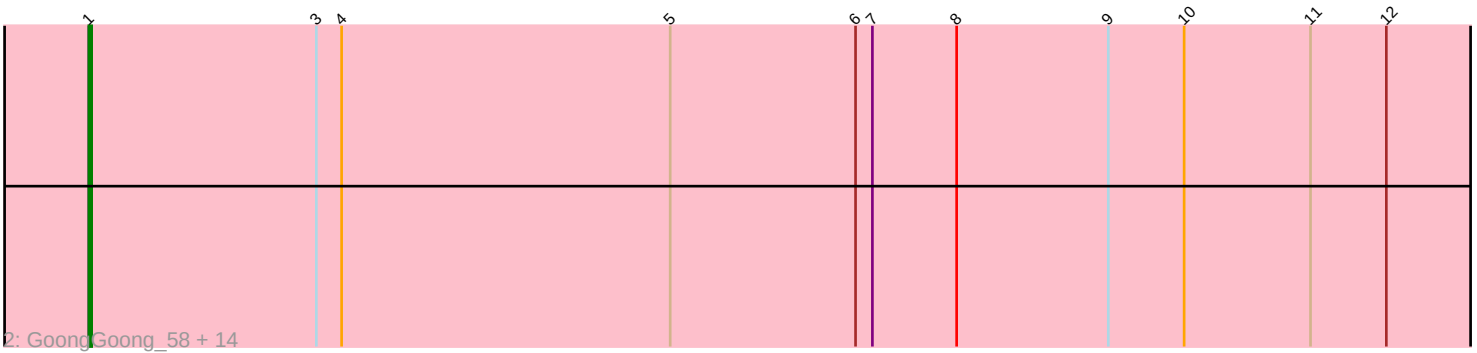
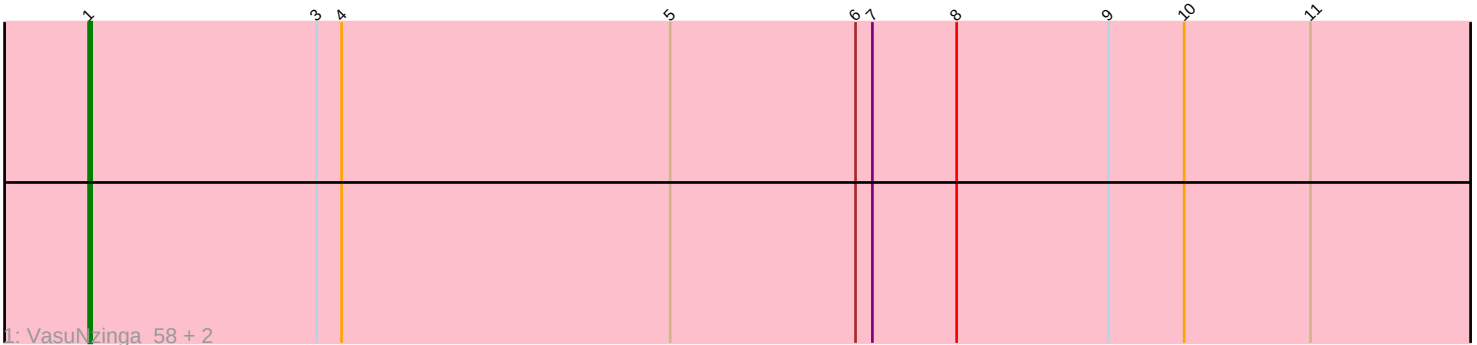




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 331277 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331277 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : VasuNzinga_58, JoieB_60, Pringar_58
- Track 2 : GoongGoong_58, Caprice_58, Tesla_56, FeliMaine_61, Blackbeetle_59, Huphlepuuff_61, LittleLaf_59, MosMoris_56, Marvin_55, Poise_59, RedRaider77_58, Corazon_57, Clarkson_60, Beelzebub_63, Lilbit_57
- Track 3 : Raela_59
- Track 4 : Gattaca_57

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beelzebub_63, Blackbeetle_59, Caprice_58, Clarkson_60, Corazon_57, FeliMaine_61, Gattaca_57, GoongGoong_58, Huphlepuuff_61, JoieB_60, Lilbit_57, LittleLaf_59, Marvin_55, MosMoris_56, Poise_59, Pringar_58, Raela_59, RedRaider77_58, Tesla_56, VasuNzinga_58,

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 1:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_63 (S), Blackbeetle_59 (S), Caprice_58 (S), Clarkson_60 (S), Corazon_57 (S), FeliMaine_61 (S), Gattaca_57 (S), GoongGoong_58 (S), Huphlepuuff_61 (S), JoieB_60 (S), Lilbit_57 (S), LittleLaf_59 (S), Marvin_55 (S), MosMoris_56 (S), Poise_59 (S), Pringar_58 (S), Raela_59 (S),

RedRaider77_58 (S), Tesla_56 (S), VasuNzinga_58 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:

•Start number 1 was manually annotated 20 times for cluster S.

Gene Information:

Gene: Beelzebub_63 Start: 34497, Stop: 35006, Start Num: 1

Candidate Starts for Beelzebub_63:

(Start: 1 @34497 has 20 MA's), (3, 34578), (4, 34587), (5, 34704), (6, 34770), (7, 34776), (8, 34806), (9, 34860), (10, 34887), (11, 34932), (12, 34959),

Gene: Blackbeetle_59 Start: 33542, Stop: 34051, Start Num: 1

Candidate Starts for Blackbeetle_59:

(Start: 1 @33542 has 20 MA's), (3, 33623), (4, 33632), (5, 33749), (6, 33815), (7, 33821), (8, 33851), (9, 33905), (10, 33932), (11, 33977), (12, 34004),

Gene: Caprice_58 Start: 33856, Stop: 34365, Start Num: 1

Candidate Starts for Caprice_58:

(Start: 1 @33856 has 20 MA's), (3, 33937), (4, 33946), (5, 34063), (6, 34129), (7, 34135), (8, 34165), (9, 34219), (10, 34246), (11, 34291), (12, 34318),

Gene: Clarkson_60 Start: 34225, Stop: 34734, Start Num: 1

Candidate Starts for Clarkson_60:

(Start: 1 @34225 has 20 MA's), (3, 34306), (4, 34315), (5, 34432), (6, 34498), (7, 34504), (8, 34534), (9, 34588), (10, 34615), (11, 34660), (12, 34687),

Gene: Corazon_57 Start: 34419, Stop: 34928, Start Num: 1

Candidate Starts for Corazon_57:

(Start: 1 @34419 has 20 MA's), (3, 34500), (4, 34509), (5, 34626), (6, 34692), (7, 34698), (8, 34728), (9, 34782), (10, 34809), (11, 34854), (12, 34881),

Gene: FeliMaine_61 Start: 34467, Stop: 34976, Start Num: 1

Candidate Starts for FeliMaine_61:

(Start: 1 @34467 has 20 MA's), (3, 34548), (4, 34557), (5, 34674), (6, 34740), (7, 34746), (8, 34776), (9, 34830), (10, 34857), (11, 34902), (12, 34929),

Gene: Gattaca_57 Start: 33646, Stop: 34155, Start Num: 1

Candidate Starts for Gattaca_57:

(Start: 1 @33646 has 20 MA's), (3, 33727), (4, 33736), (5, 33853), (6, 33919), (7, 33925), (9, 34009), (10, 34036), (11, 34081), (12, 34108),

Gene: GoongGoong_58 Start: 33445, Stop: 33954, Start Num: 1

Candidate Starts for GoongGoong_58:

(Start: 1 @33445 has 20 MA's), (3, 33526), (4, 33535), (5, 33652), (6, 33718), (7, 33724), (8, 33754), (9, 33808), (10, 33835), (11, 33880), (12, 33907),

Gene: Huphlepuuff_61 Start: 34030, Stop: 34539, Start Num: 1

Candidate Starts for Huphlepuuff_61:

(Start: 1 @34030 has 20 MA's), (3, 34111), (4, 34120), (5, 34237), (6, 34303), (7, 34309), (8, 34339), (9, 34393), (10, 34420), (11, 34465), (12, 34492),

Gene: JoieB_60 Start: 34463, Stop: 34972, Start Num: 1

Candidate Starts for JoieB_60:

(Start: 1 @34463 has 20 MA's), (3, 34544), (4, 34553), (5, 34670), (6, 34736), (7, 34742), (8, 34772), (9, 34826), (10, 34853), (11, 34898),

Gene: Lilbit_57 Start: 34226, Stop: 34735, Start Num: 1

Candidate Starts for Lilbit_57:

(Start: 1 @34226 has 20 MA's), (3, 34307), (4, 34316), (5, 34433), (6, 34499), (7, 34505), (8, 34535), (9, 34589), (10, 34616), (11, 34661), (12, 34688),

Gene: LittleLaf_59 Start: 33955, Stop: 34464, Start Num: 1

Candidate Starts for LittleLaf_59:

(Start: 1 @33955 has 20 MA's), (3, 34036), (4, 34045), (5, 34162), (6, 34228), (7, 34234), (8, 34264), (9, 34318), (10, 34345), (11, 34390), (12, 34417),

Gene: Marvin_55 Start: 33713, Stop: 34222, Start Num: 1

Candidate Starts for Marvin_55:

(Start: 1 @33713 has 20 MA's), (3, 33794), (4, 33803), (5, 33920), (6, 33986), (7, 33992), (8, 34022), (9, 34076), (10, 34103), (11, 34148), (12, 34175),

Gene: MosMoris_56 Start: 33646, Stop: 34155, Start Num: 1

Candidate Starts for MosMoris_56:

(Start: 1 @33646 has 20 MA's), (3, 33727), (4, 33736), (5, 33853), (6, 33919), (7, 33925), (8, 33955), (9, 34009), (10, 34036), (11, 34081), (12, 34108),

Gene: Poise_59 Start: 33542, Stop: 34051, Start Num: 1

Candidate Starts for Poise_59:

(Start: 1 @33542 has 20 MA's), (3, 33623), (4, 33632), (5, 33749), (6, 33815), (7, 33821), (8, 33851), (9, 33905), (10, 33932), (11, 33977), (12, 34004),

Gene: Pringar_58 Start: 33831, Stop: 34340, Start Num: 1

Candidate Starts for Pringar_58:

(Start: 1 @33831 has 20 MA's), (3, 33912), (4, 33921), (5, 34038), (6, 34104), (7, 34110), (8, 34140), (9, 34194), (10, 34221), (11, 34266),

Gene: Raela_59 Start: 34099, Stop: 34608, Start Num: 1

Candidate Starts for Raela_59:

(Start: 1 @34099 has 20 MA's), (2, 34123), (3, 34180), (4, 34189), (5, 34306), (6, 34372), (7, 34378), (8, 34408), (9, 34462), (10, 34489), (11, 34534), (12, 34561),

Gene: RedRaider77_58 Start: 33487, Stop: 33996, Start Num: 1

Candidate Starts for RedRaider77_58:

(Start: 1 @33487 has 20 MA's), (3, 33568), (4, 33577), (5, 33694), (6, 33760), (7, 33766), (8, 33796), (9, 33850), (10, 33877), (11, 33922), (12, 33949),

Gene: Tesla_56 Start: 33336, Stop: 33845, Start Num: 1

Candidate Starts for Tesla_56:

(Start: 1 @33336 has 20 MA's), (3, 33417), (4, 33426), (5, 33543), (6, 33609), (7, 33615), (8, 33645), (9, 33699), (10, 33726), (11, 33771), (12, 33798),

Gene: VasuNzinga_58 Start: 33405, Stop: 33914, Start Num: 1

Candidate Starts for VasuNzinga_58:

(Start: 1 @33405 has 20 MA's), (3, 33486), (4, 33495), (5, 33612), (6, 33678), (7, 33684), (8, 33714), (9, 33768), (10, 33795), (11, 33840),