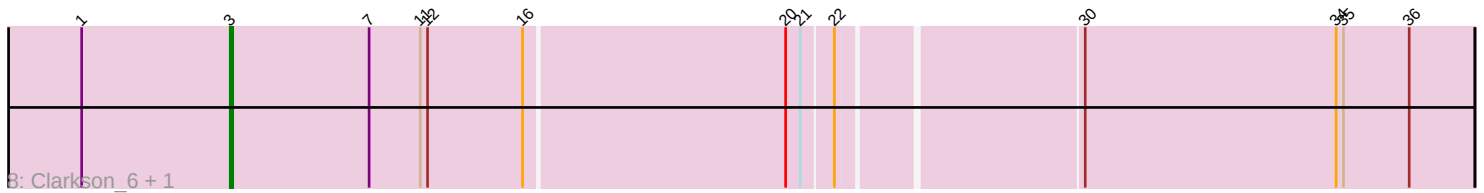
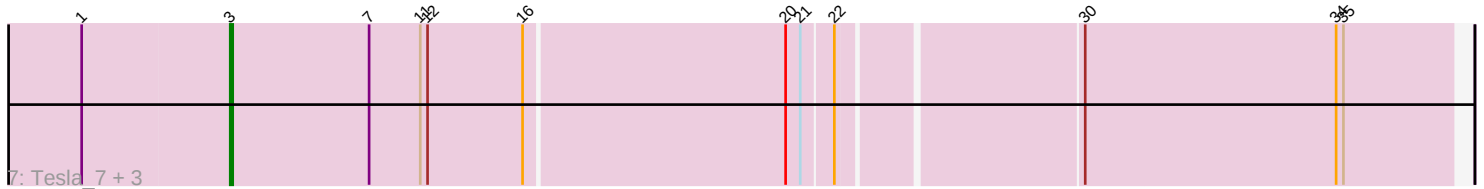
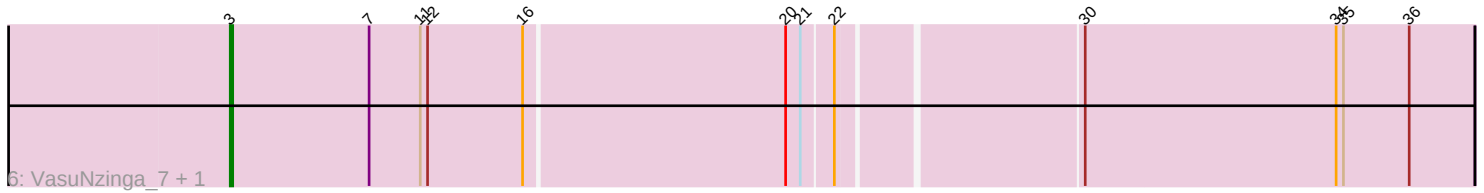
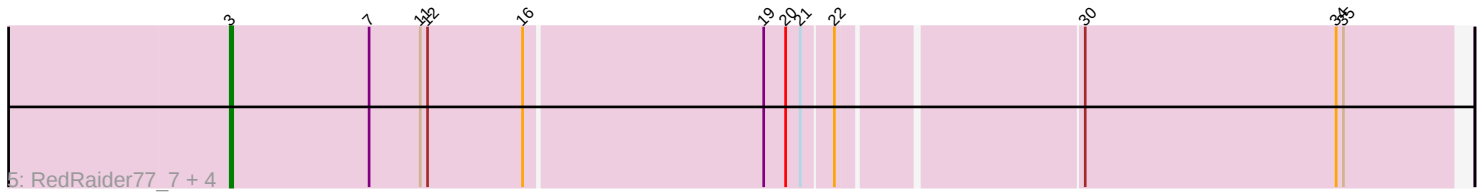
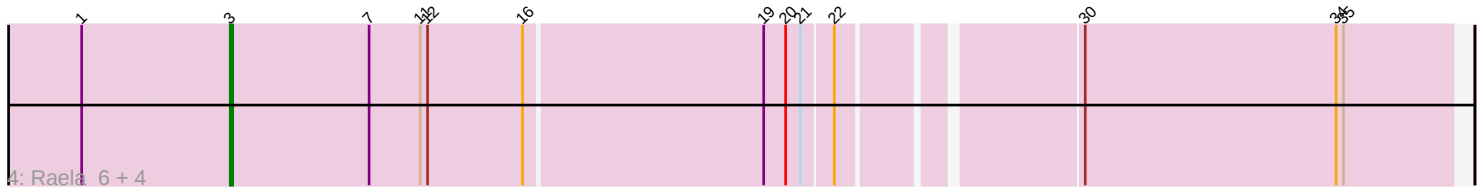
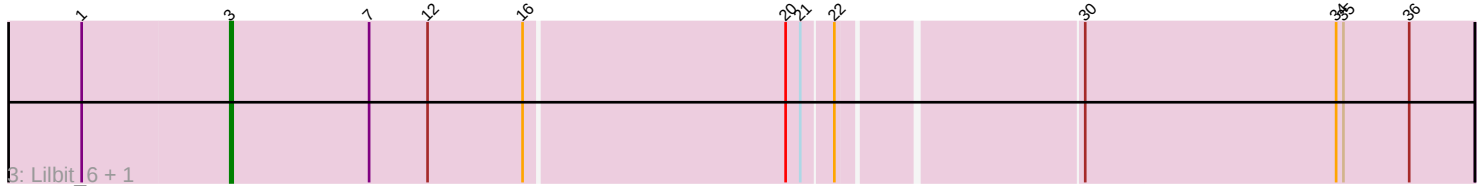
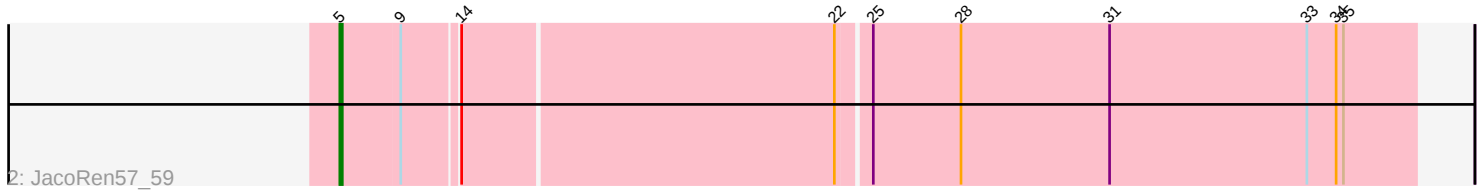
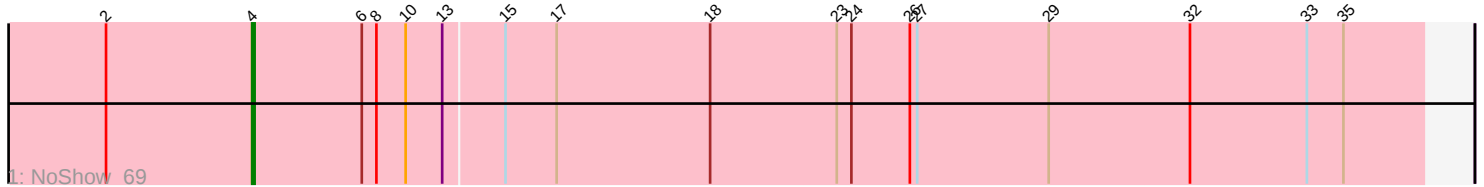


Pham 313911



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 313911 Report

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

Pham number 313911 has 22 members, 0 are drafts.

Phages represented in each track:

- Track 1 : NoShow_69
- Track 2 : JacoRen57_59
- Track 3 : Lilbit_6, Pringar_5
- Track 4 : Raela_6, GoongGoong_7, JoieB_7, MosMoris_8, Gattaca_8
- Track 5 : RedRaider77_7, Blackbeetle_7, LittleLaf_6, Poise_7, Caprice_7
- Track 6 : VasuNzinga_7, Beelzebub_7
- Track 7 : Tesla_7, Huphlepuuff_6, Corazon_6, Marvin_6
- Track 8 : Clarkson_6, FeliMaine_6

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 20 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beelzebub_7, Blackbeetle_7, Caprice_7, Clarkson_6, Corazon_6, FeliMaine_6, Gattaca_8, GoongGoong_7, Huphlepuuff_6, JoieB_7, Lilbit_6, LittleLaf_6, Marvin_6, MosMoris_8, Poise_7, Pringar_5, Raela_6, RedRaider77_7, Tesla_7, VasuNzinga_7,

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

-

Genes that do not have the "Most Annotated" start:

- JacoRen57_59, NoShow_69,

Summary by start number:

Start 3:

- Found in 20 of 22 (90.9%) of genes in pham
- Manual Annotations of this start: 20 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_7 (S), Blackbeetle_7 (S), Caprice_7 (S), Clarkson_6 (S), Corazon_6 (S), FeliMaine_6 (S), Gattaca_8 (S), GoongGoong_7 (S), Huphlepuuff_6 (S), JoieB_7 (S), Lilbit_6 (S), LittleLaf_6 (S),

Marvin_6 (S), MosMoris_8 (S), Poise_7 (S), Pringar_5 (S), Raela_6 (S), RedRaider77_7 (S), Tesla_7 (S), VasuNzinga_7 (S),

Start 4:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_69 (AB),

Start 5:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_59 (AB),

Summary by clusters:

There are 2 clusters represented in this pham: S, AB,

Info for manual annotations of cluster AB:

- Start number 4 was manually annotated 1 time for cluster AB.
- Start number 5 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster S:

- Start number 3 was manually annotated 20 times for cluster S.

Gene Information:

Gene: Beelzebub_7 Start: 2048, Stop: 2542, Start Num: 3

Candidate Starts for Beelzebub_7:

(Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489), (36, 2516),

Gene: Blackbeetle_7 Start: 2057, Stop: 2542, Start Num: 3

Candidate Starts for Blackbeetle_7:

(Start: 3 @2057 has 20 MA's), (7, 2114), (11, 2135), (12, 2138), (16, 2177), (19, 2273), (20, 2282), (21, 2288), (22, 2300), (30, 2393), (34, 2495), (35, 2498),

Gene: Caprice_7 Start: 2057, Stop: 2542, Start Num: 3

Candidate Starts for Caprice_7:

(Start: 3 @2057 has 20 MA's), (7, 2114), (11, 2135), (12, 2138), (16, 2177), (19, 2273), (20, 2282), (21, 2288), (22, 2300), (30, 2393), (34, 2495), (35, 2498),

Gene: Clarkson_6 Start: 1824, Stop: 2318, Start Num: 3

Candidate Starts for Clarkson_6:

(1, 1764), (Start: 3 @1824 has 20 MA's), (7, 1881), (11, 1902), (12, 1905), (16, 1944), (20, 2049), (21, 2055), (22, 2067), (30, 2160), (34, 2262), (35, 2265), (36, 2292),

Gene: Corazon_6 Start: 2048, Stop: 2533, Start Num: 3

Candidate Starts for Corazon_6:

(1, 1988), (Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489),

Gene: FeliMaine_6 Start: 1825, Stop: 2319, Start Num: 3

Candidate Starts for FeliMaine_6:

(1, 1765), (Start: 3 @1825 has 20 MA's), (7, 1882), (11, 1903), (12, 1906), (16, 1945), (20, 2050), (21, 2056), (22, 2068), (30, 2161), (34, 2263), (35, 2266), (36, 2293),

Gene: Gattaca_8 Start: 2048, Stop: 2527, Start Num: 3

Candidate Starts for Gattaca_8:

(1, 1988), (Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (19, 2264), (20, 2273), (21, 2279), (22, 2291), (30, 2378), (34, 2480), (35, 2483),

Gene: GoongGoong_7 Start: 2057, Stop: 2536, Start Num: 3

Candidate Starts for GoongGoong_7:

(1, 1997), (Start: 3 @2057 has 20 MA's), (7, 2114), (11, 2135), (12, 2138), (16, 2177), (19, 2273), (20, 2282), (21, 2288), (22, 2300), (30, 2387), (34, 2489), (35, 2492),

Gene: Huphlepuuff_6 Start: 1825, Stop: 2310, Start Num: 3

Candidate Starts for Huphlepuuff_6:

(1, 1765), (Start: 3 @1825 has 20 MA's), (7, 1882), (11, 1903), (12, 1906), (16, 1945), (20, 2050), (21, 2056), (22, 2068), (30, 2161), (34, 2263), (35, 2266),

Gene: JacoRen57_59 Start: 45669, Stop: 46097, Start Num: 5

Candidate Starts for JacoRen57_59:

(Start: 5 @45669 has 1 MA's), (9, 45693), (14, 45714), (22, 45864), (25, 45876), (28, 45912), (31, 45972), (33, 46053), (34, 46065), (35, 46068),

Gene: JoieB_7 Start: 2047, Stop: 2532, Start Num: 3

Candidate Starts for JoieB_7:

(1, 1987), (Start: 3 @2047 has 20 MA's), (7, 2104), (11, 2125), (12, 2128), (16, 2167), (19, 2263), (20, 2272), (21, 2278), (22, 2290), (30, 2383), (34, 2485), (35, 2488),

Gene: Lilbit_6 Start: 1825, Stop: 2319, Start Num: 3

Candidate Starts for Lilbit_6:

(1, 1765), (Start: 3 @1825 has 20 MA's), (7, 1882), (12, 1906), (16, 1945), (20, 2050), (21, 2056), (22, 2068), (30, 2161), (34, 2263), (35, 2266), (36, 2293),

Gene: LittleLaf_6 Start: 1825, Stop: 2310, Start Num: 3

Candidate Starts for LittleLaf_6:

(Start: 3 @1825 has 20 MA's), (7, 1882), (11, 1903), (12, 1906), (16, 1945), (19, 2041), (20, 2050), (21, 2056), (22, 2068), (30, 2161), (34, 2263), (35, 2266),

Gene: Marvin_6 Start: 2048, Stop: 2533, Start Num: 3

Candidate Starts for Marvin_6:

(1, 1988), (Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489),

Gene: MosMoris_8 Start: 2048, Stop: 2527, Start Num: 3

Candidate Starts for MosMoris_8:

(1, 1988), (Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (19, 2264), (20, 2273), (21, 2279), (22, 2291), (30, 2378), (34, 2480), (35, 2483),

Gene: NoShow_69 Start: 48027, Stop: 48503, Start Num: 4

Candidate Starts for NoShow_69:

(2, 47967), (Start: 4 @48027 has 1 MA's), (6, 48072), (8, 48078), (10, 48090), (13, 48105), (15, 48129), (17, 48150), (18, 48213), (23, 48264), (24, 48270), (26, 48294), (27, 48297), (29, 48351), (32, 48408), (33, 48456), (35, 48471),

Gene: Poise_7 Start: 2057, Stop: 2542, Start Num: 3

Candidate Starts for Poise_7:

(Start: 3 @2057 has 20 MA's), (7, 2114), (11, 2135), (12, 2138), (16, 2177), (19, 2273), (20, 2282), (21, 2288), (22, 2300), (30, 2393), (34, 2495), (35, 2498),

Gene: Pringar_5 Start: 1379, Stop: 1873, Start Num: 3

Candidate Starts for Pringar_5:

(1, 1319), (Start: 3 @1379 has 20 MA's), (7, 1436), (12, 1460), (16, 1499), (20, 1604), (21, 1610), (22, 1622), (30, 1715), (34, 1817), (35, 1820), (36, 1847),

Gene: Raela_6 Start: 2057, Stop: 2536, Start Num: 3

Candidate Starts for Raela_6:

(1, 1997), (Start: 3 @2057 has 20 MA's), (7, 2114), (11, 2135), (12, 2138), (16, 2177), (19, 2273), (20, 2282), (21, 2288), (22, 2300), (30, 2387), (34, 2489), (35, 2492),

Gene: RedRaider77_7 Start: 2048, Stop: 2533, Start Num: 3

Candidate Starts for RedRaider77_7:

(Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (19, 2264), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489),

Gene: Tesla_7 Start: 2048, Stop: 2533, Start Num: 3

Candidate Starts for Tesla_7:

(1, 1988), (Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489),

Gene: VasuNzinga_7 Start: 2048, Stop: 2542, Start Num: 3

Candidate Starts for VasuNzinga_7:

(Start: 3 @2048 has 20 MA's), (7, 2105), (11, 2126), (12, 2129), (16, 2168), (20, 2273), (21, 2279), (22, 2291), (30, 2384), (34, 2486), (35, 2489), (36, 2516),