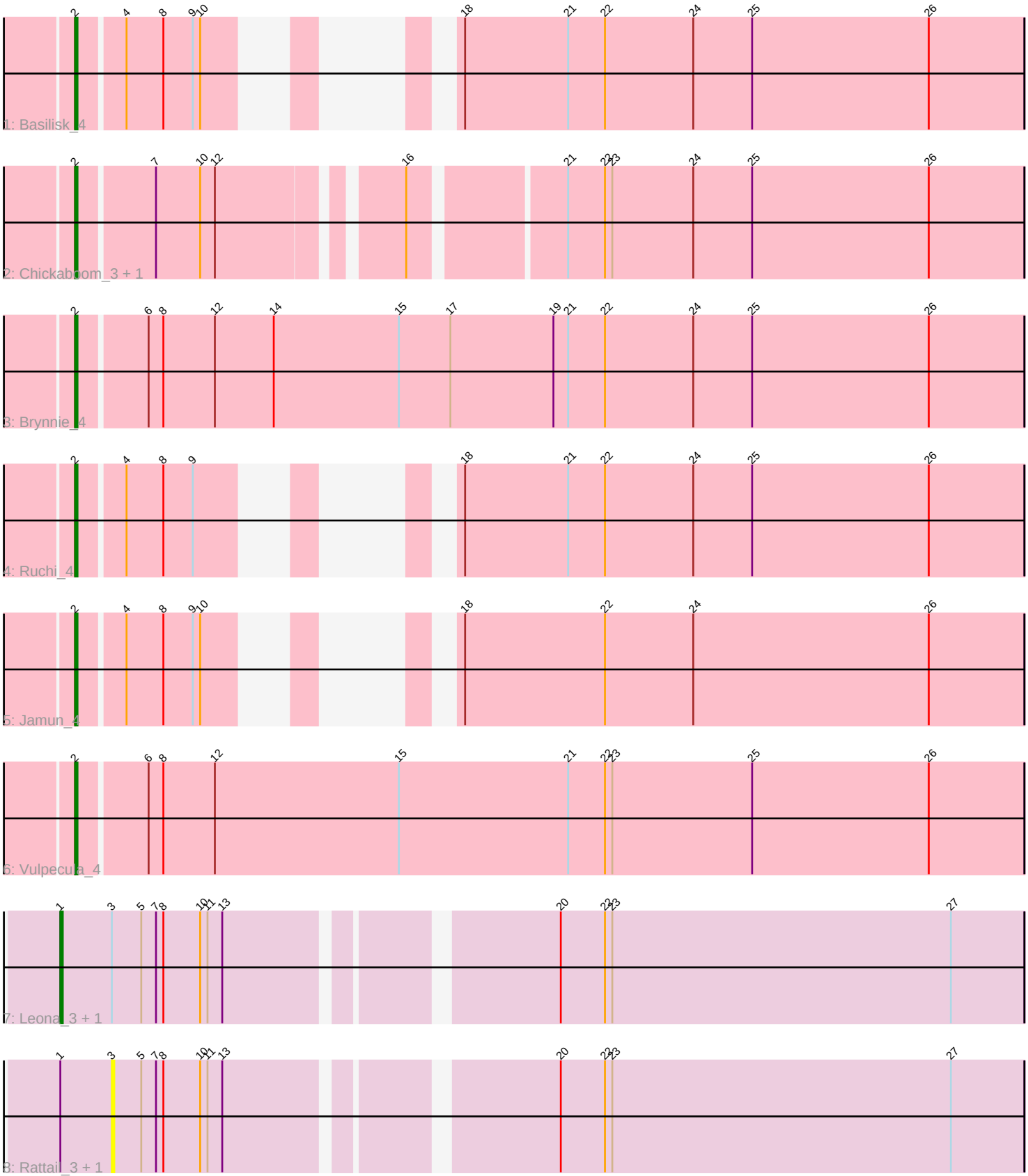
Pham 281095


1: Basilisk_4
2: Chickaboom_3 + 1
3: Brynnie_4
4: Ruchi_4
5: Jamun_4
6: Vulpecula_4
7: Leona_3 + 1
8: Rattail_3 + 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 281095 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281095 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Basilisk_4
• Track 2 : Chickaboom_3, WileyE_3
• Track 3 : Brynnie_4
• Track 4 : Ruchi_4
• Track 5 : Jamun_4
• Track 6 : Vulpecula_4
• Track 7 : Leona_3, Renna12_4
• Track 8 : Rattail_3, Azaz_3

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Basilisk_4, Brynnie_4, Chickaboom_3, Jamun_4, Ruchi_4, Vulpecula_4, WileyE_3,

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

Genes that do not have the "Most Annotated" start:
• Azaz_3, Leona_3, Rattail_3, Renna12_4,

Summary by start number:

Start 1:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Leona_3 (AS3), Renna12_4 (AS3),

Start 2:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 6 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Basilisk_4 (AS1), Brynnie_4 (AS1), Chickaboom_3 (AS1), Jamun_4 (AS1), Ruchi_4 (AS1), Vulpecula_4 (AS1), WileyE_3 (AS1),

Start 3:
• Found in 4 of 11 (36.4%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Azaz_3 (AS3), Rattail_3 (AS3),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS1,

Info for manual annotations of cluster AS1:
•Start number 2 was manually annotated 6 times for cluster AS1.

Info for manual annotations of cluster AS3:
•Start number 1 was manually annotated 2 times for cluster AS3.

Gene Information:

Gene: Azaz_3 Start: 2013, Stop: 2366, Start Num: 3
Candidate Starts for Azaz_3:
(Start: 1 @1992 has 2 MA's), (3, 2013), (5, 2025), (7, 2031), (8, 2034), (10, 2049), (11, 2052), (13, 2058), (20, 2178), (22, 2196), (23, 2199), (27, 2337),

Gene: Basilisk_4 Start: 2627, Stop: 2941, Start Num: 2
Candidate Starts for Basilisk_4:
(Start: 2 @2627 has 6 MA's), (4, 2645), (8, 2660), (9, 2672), (10, 2675), (18, 2714), (21, 2756), (22, 2771), (24, 2807), (25, 2831), (26, 2903),

Gene: Brynnie_4 Start: 2355, Stop: 2738, Start Num: 2
Candidate Starts for Brynnie_4:
(Start: 2 @2355 has 6 MA's), (6, 2382), (8, 2388), (12, 2409), (14, 2433), (15, 2484), (17, 2505), (19, 2547), (21, 2553), (22, 2568), (24, 2604), (25, 2628), (26, 2700),

Gene: Chickaboom_3 Start: 2010, Stop: 2372, Start Num: 2
Candidate Starts for Chickaboom_3:
(Start: 2 @2010 has 6 MA's), (7, 2040), (10, 2058), (12, 2064), (16, 2130), (21, 2187), (22, 2202), (23, 2205), (24, 2238), (25, 2262), (26, 2334),

Gene: Jamun_4 Start: 2627, Stop: 2941, Start Num: 2
Candidate Starts for Jamun_4:
(Start: 2 @2627 has 6 MA's), (4, 2645), (8, 2660), (9, 2672), (10, 2675), (18, 2714), (22, 2771), (24, 2807), (26, 2903),

Gene: Leona_3 Start: 1992, Stop: 2366, Start Num: 1
Candidate Starts for Leona_3:

(Start: 1 @1992 has 2 MA's), (3, 2013), (5, 2025), (7, 2031), (8, 2034), (10, 2049), (11, 2052), (13, 2058), (20, 2178), (22, 2196), (23, 2199), (27, 2337),

Gene: Rattail_3 Start: 2013, Stop: 2366, Start Num: 3
Candidate Starts for Rattail_3:
(Start: 1 @1992 has 2 MA's), (3, 2013), (5, 2025), (7, 2031), (8, 2034), (10, 2049), (11, 2052), (13, 2058), (20, 2178), (22, 2196), (23, 2199), (27, 2337),

Gene: Renna12_4 Start: 2157, Stop: 2531, Start Num: 1
Candidate Starts for Renna12_4:
(Start: 1 @2157 has 2 MA's), (3, 2178), (5, 2190), (7, 2196), (8, 2199), (10, 2214), (11, 2217), (13, 2223), (20, 2343), (22, 2361), (23, 2364), (27, 2502),

Gene: Ruchi_4 Start: 2627, Stop: 2941, Start Num: 2
Candidate Starts for Ruchi_4:
(Start: 2 @2627 has 6 MA's), (4, 2645), (8, 2660), (9, 2672), (18, 2714), (21, 2756), (22, 2771), (24, 2807), (25, 2831), (26, 2903),

Gene: Vulpecula_4 Start: 2627, Stop: 3010, Start Num: 2
Candidate Starts for Vulpecula_4:
(Start: 2 @2627 has 6 MA's), (6, 2654), (8, 2660), (12, 2681), (15, 2756), (21, 2825), (22, 2840), (23, 2843), (25, 2900), (26, 2972),

Gene: WileyE_3 Start: 2010, Stop: 2372, Start Num: 2
Candidate Starts for WileyE_3:
(Start: 2 @2010 has 6 MA's), (7, 2040), (10, 2058), (12, 2064), (16, 2130), (21, 2187), (22, 2202), (23, 2205), (24, 2238), (25, 2262), (26, 2334),