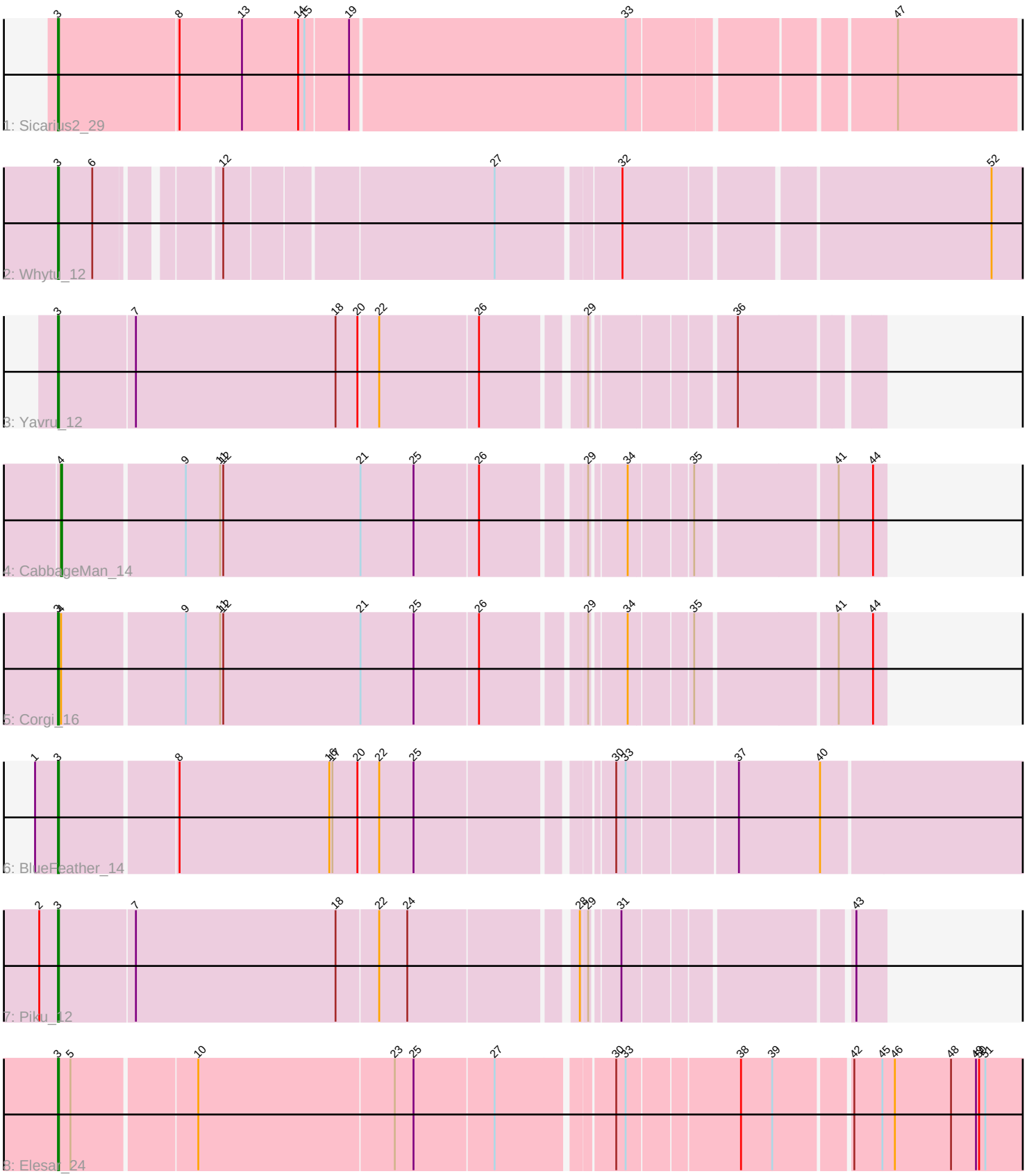
Pham 197101


1: Sicarius2_29
2: Whytu_12
3: Yavru_12
4: CabbageMan_14
5: Corgi_16
6: BlueFeather_14
7: Piku_12
8: Elesar_24

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 197101 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197101 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sicarius2_29
• Track 2 : Whytu_12
• Track 3 : Yavru_12
• Track 4 : CabbageMan_14
• Track 5 : Corgi_16
• Track 6 : BlueFeather_14
• Track 7 : Piku_12
• Track 8 : Elesar_24

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

Genes that call this "Most Annotated" start:
• BlueFeather_14, Corgi_16, Elesar_24, Piku_12, Sicarius2_29, Whytu_12, Yavru_12,

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

Genes that do not have the "Most Annotated" start:
• CabbageMan_14,

Summary by start number:

Start 3:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueFeather_14 (FE), Corgi_16 (FE), Elesar_24 (FF), Piku_12 (FE), Sicarius2_29 (AO2), Whytu_12 (FE), Yavru_12 (FE),

Start 4:

• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_14 (FE),

Summary by clusters:

There are 3 clusters represented in this pham: FE, FF, AO2,

Info for manual annotations of cluster AO2:
•Start number 3 was manually annotated 1 time for cluster AO2.

Info for manual annotations of cluster FE:
•Start number 3 was manually annotated 5 times for cluster FE.
•Start number 4 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FF:
•Start number 3 was manually annotated 1 time for cluster FF.

Gene Information:

Gene: BlueFeather_14 Start: 10715, Stop: 11602, Start Num: 3
Candidate Starts for BlueFeather_14:
(1, 10694), (Start: 3 @10715 has 7 MA's), (8, 10823), (16, 10967), (17, 10970), (20, 10994), (22, 11012), (25, 11045), (30, 11213), (33, 11222), (37, 11321), (40, 11399),

Gene: CabbageMan_14 Start: 11695, Stop: 12432, Start Num: 4
Candidate Starts for CabbageMan_14:
(Start: 4 @11695 has 1 MA's), (9, 11809), (11, 11842), (12, 11845), (21, 11977), (25, 12028), (26, 12088), (29, 12178), (34, 12208), (35, 12262), (41, 12388), (44, 12421),

Gene: Corgi_16 Start: 11850, Stop: 12590, Start Num: 3
Candidate Starts for Corgi_16:
(Start: 3 @11850 has 7 MA's), (Start: 4 @11853 has 1 MA's), (9, 11967), (11, 12000), (12, 12003), (21, 12135), (25, 12186), (26, 12246), (29, 12336), (34, 12366), (35, 12420), (41, 12546), (44, 12579),

Gene: Elesar_24 Start: 18815, Stop: 19690, Start Num: 3
Candidate Starts for Elesar_24:
(Start: 3 @18815 has 7 MA's), (5, 18827), (10, 18941), (23, 19127), (25, 19145), (27, 19220), (30, 19322), (33, 19331), (38, 19433), (39, 19463), (42, 19529), (45, 19556), (46, 19568), (48, 19622), (49, 19646), (50, 19649), (51, 19655),

Gene: Piku_12 Start: 11038, Stop: 11766, Start Num: 3
Candidate Starts for Piku_12:
(2, 11020), (Start: 3 @11038 has 7 MA's), (7, 11110), (18, 11302), (22, 11341), (24, 11368), (28, 11515), (29, 11521), (31, 11545), (43, 11740),

Gene: Sicarius2_29 Start: 24015, Stop: 24896, Start Num: 3
Candidate Starts for Sicarius2_29:
(Start: 3 @24015 has 7 MA's), (8, 24129), (13, 24189), (14, 24243), (15, 24249), (19, 24288), (33, 24549), (47, 24783),

Gene: Whytu_12 Start: 10993, Stop: 11844, Start Num: 3
Candidate Starts for Whytu_12:
(Start: 3 @10993 has 7 MA's), (6, 11026), (12, 11125), (27, 11371), (32, 11482), (52, 11815),

Gene: Yavru_12 Start: 11017, Stop: 11745, Start Num: 3
Candidate Starts for Yavru_12:
(Start: 3 @11017 has 7 MA's), (7, 11089), (18, 11281), (20, 11302), (22, 11320), (26, 11413), (29, 11500), (36, 11620),