Pham 284311

1: Scap1_30

2: HotFries_30

3: SheRa_31

4: Moozy_30 + 1

5: Doxi13_31 + 1

6: RosaAsantewaa_29

7: Bilo_29
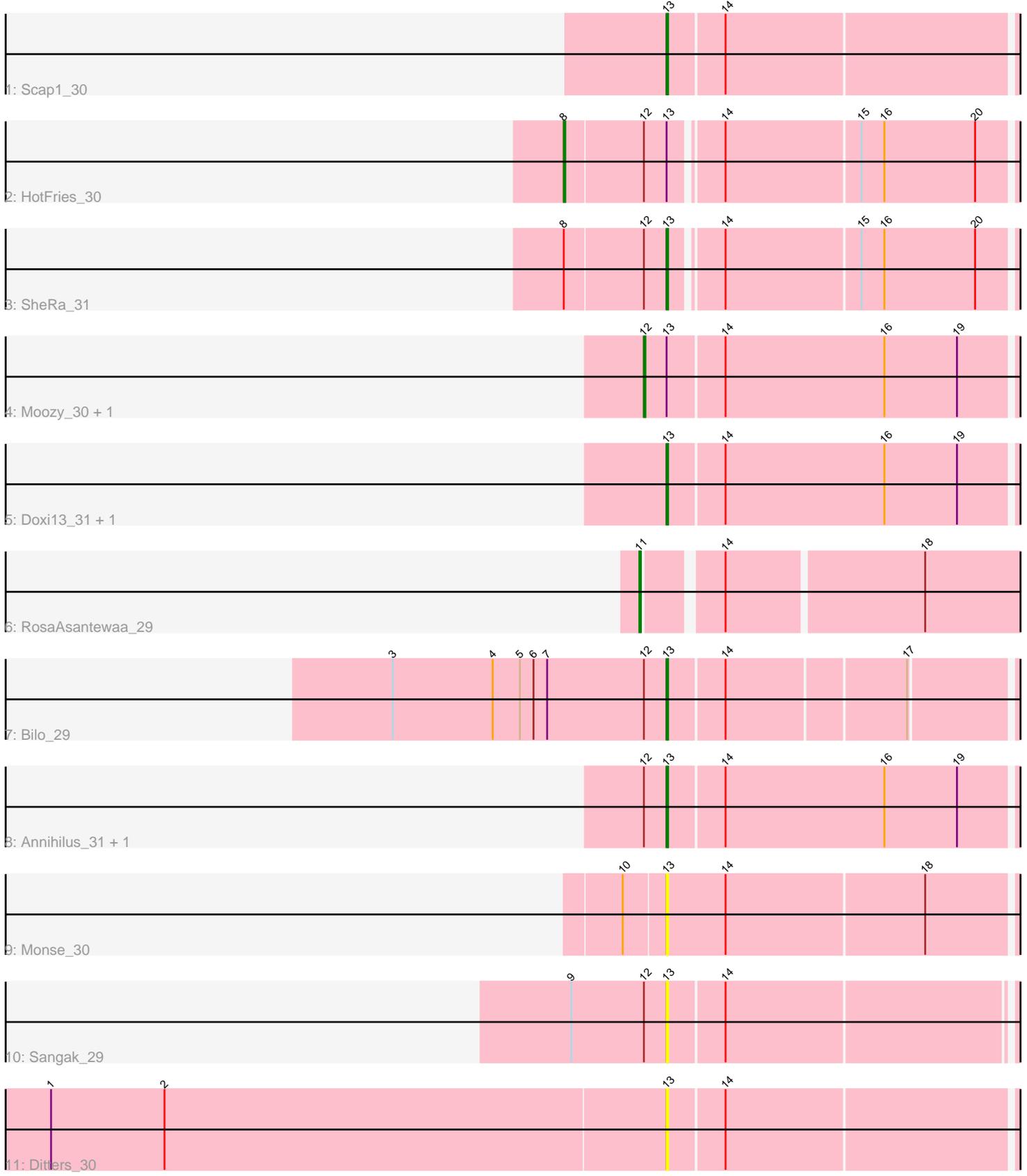
8: Annihilus_31 + 1

9: Monse_30

10: Sangak_29

11: Ditters_30

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 284311 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284311 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Scap1_30
• Track 2 : HotFries_30
• Track 3 : SheRa_31
• Track 4 : Moozy_30, RavenPuff_30
• Track 5 : Doxi13_31, GoblinVoyage_31
• Track 6 : RosaAsantewaa_29
• Track 7 : Bilo_29
• Track 8 : Annihilus_31, PherryCruz_30
• Track 9 : Monse_30
• Track 10 : Sangak_29
• Track 11 : Ditters_30

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 13, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annihilus_31, Bilo_29, Ditters_30, Doxi13_31, GoblinVoyage_31, Monse_30, PherryCruz_30, Sangak_29, Scap1_30, SheRa_31,

Genes that have the "Most Annotated" start but do not call it:
• HotFries_30, Moozy_30, RavenPuff_30,

Genes that do not have the "Most Annotated" start:
• RosaAsantewaa_29,

Summary by start number:

Start 8:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: HotFries_30 (BI2),

Start 11:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RosaAsantewaa_29 (BI2),

Start 12:
• Found in 8 of 14 (57.1%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Moozy_30 (BI2), RavenPuff_30 (BI2),

Start 13:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 76.9% of time when present
• Phage (with cluster) where this start called: Annihilus_31 (BI2), Bilo_29 (BI2), Ditters_30 (BI2), Doxi13_31 (BI2), GoblinVoyage_31 (BI2), Monse_30 (BI2), PherryCruz_30 (BI2), Sangak_29 (BI2), Scap1_30 (BI2), SheRa_31 (BI2),

Summary by clusters:

There is one cluster represented in this pham: BI2

Info for manual annotations of cluster BI2:
•Start number 8 was manually annotated 1 time for cluster BI2.
•Start number 11 was manually annotated 1 time for cluster BI2.
•Start number 12 was manually annotated 2 times for cluster BI2.
•Start number 13 was manually annotated 7 times for cluster BI2.

Gene Information:
Gene: Annihilus_31 Start: 24324, Stop: 24563, Start Num: 13
Candidate Starts for Annihilus_31:
(Start: 12 @24309 has 2 MA's), (Start: 13 @24324 has 7 MA's), (14, 24360), (16, 24465), (19, 24513),

Gene: Bilo_29 Start: 24475, Stop: 24705, Start Num: 13
Candidate Starts for Bilo_29:
(3, 24295), (4, 24361), (5, 24379), (6, 24388), (7, 24397), (Start: 12 @24460 has 2 MA's), (Start: 13 @24475 has 7 MA's), (14, 24511), (17, 24625),

Gene: Ditters_30 Start: 24742, Stop: 24978, Start Num: 13
Candidate Starts for Ditters_30:
(1, 24337), (2, 24412), (Start: 13 @24742 has 7 MA's), (14, 24778),

Gene: Doxi13_31 Start: 24287, Stop: 24526, Start Num: 13
Candidate Starts for Doxi13_31:
(Start: 13 @24287 has 7 MA's), (14, 24323), (16, 24428), (19, 24476),

Gene: GoblinVoyage_31 Start: 24287, Stop: 24526, Start Num: 13

Candidate Starts for GoblinVoyage_31:
(Start: 13 @24287 has 7 MA's), (14, 24323), (16, 24428), (19, 24476),

Gene: HotFries_30 Start: 24286, Stop: 24582, Start Num: 8
Candidate Starts for HotFries_30:
(Start: 8 @24286 has 1 MA's), (Start: 12 @24337 has 2 MA's), (Start: 13 @24352 has 7 MA's), (14, 24382), (15, 24469), (16, 24484), (20, 24544),

Gene: Monse_30 Start: 24196, Stop: 24438, Start Num: 13
Candidate Starts for Monse_30:
(10, 24169), (Start: 13 @24196 has 7 MA's), (14, 24235), (18, 24364),

Gene: Moozy_30 Start: 24296, Stop: 24550, Start Num: 12
Candidate Starts for Moozy_30:
(Start: 12 @24296 has 2 MA's), (Start: 13 @24311 has 7 MA's), (14, 24347), (16, 24452), (19, 24500),

Gene: PherryCruz_30 Start: 24283, Stop: 24522, Start Num: 13
Candidate Starts for PherryCruz_30:
(Start: 12 @24268 has 2 MA's), (Start: 13 @24283 has 7 MA's), (14, 24319), (16, 24424), (19, 24472),

Gene: RavenPuff_30 Start: 24268, Stop: 24522, Start Num: 12
Candidate Starts for RavenPuff_30:
(Start: 12 @24268 has 2 MA's), (Start: 13 @24283 has 7 MA's), (14, 24319), (16, 24424), (19, 24472),

Gene: RosaAsantewaa_29 Start: 23959, Stop: 24210, Start Num: 11
Candidate Starts for RosaAsantewaa_29:
(Start: 11 @23959 has 1 MA's), (14, 24004), (18, 24130),

Gene: Sangak_29 Start: 23868, Stop: 24101, Start Num: 13
Candidate Starts for Sangak_29:
(9, 23805), (Start: 12 @23853 has 2 MA's), (Start: 13 @23868 has 7 MA's), (14, 23904),

Gene: Scap1_30 Start: 24113, Stop: 24349, Start Num: 13
Candidate Starts for Scap1_30:
(Start: 13 @24113 has 7 MA's), (14, 24149),

Gene: SheRa_31 Start: 24353, Stop: 24583, Start Num: 13
Candidate Starts for SheRa_31:
(Start: 8 @24287 has 1 MA's), (Start: 12 @24338 has 2 MA's), (Start: 13 @24353 has 7 MA's), (14, 24383), (15, 24470), (16, 24485), (20, 24545),