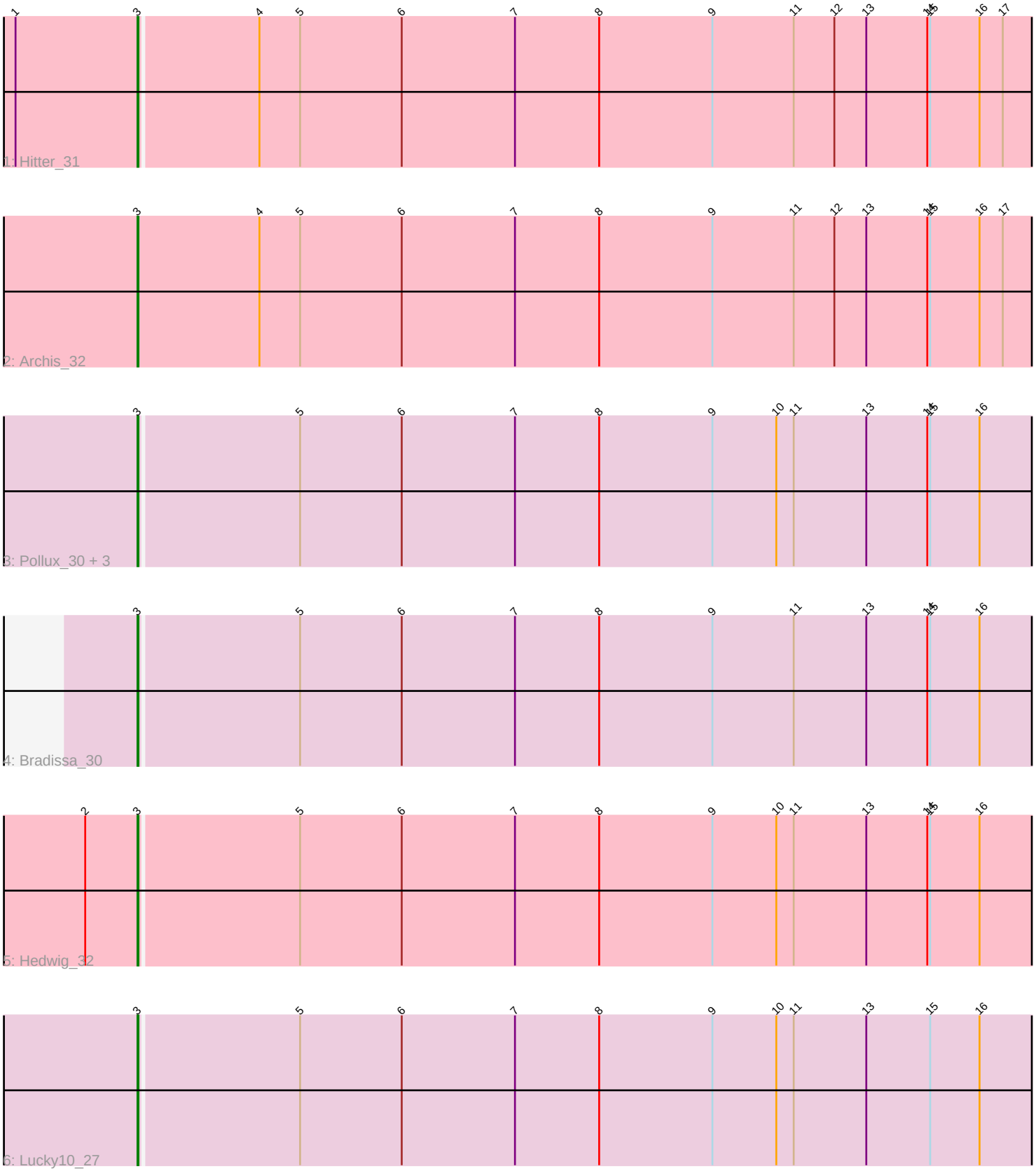
Pham 87682


1: Hitter_31
2: Archis_32
3: Pollux_30 + 3
4: Bradissa_30
5: Hedwig_32
6: Lucky10_27

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 87682 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87682 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Hitter_31
• Track 2 : Archis_32
• Track 3 : Pollux_30, Begonia_32, Malachai_32, Floral_30
• Track 4 : Bradissa_30
• Track 5 : Hedwig_32
• Track 6 : Lucky10_27

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_32, Begonia_32, Bradissa_30, Floral_30, Hedwig_32, Hitter_31, Lucky10_27, Malachai_32, Pollux_30,

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 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archis_32 (CV), Begonia_32 (CV), Bradissa_30 (CY1), Floral_30 (CY1), Hedwig_32 (DB), Hitter_31 (CV), Lucky10_27 (DH), Malachai_32 (CV), Pollux_30 (CY1),

Summary by clusters:

There are 4 clusters represented in this pham: CY1, DB, CV, DH,

Info for manual annotations of cluster CV:
•Start number 3 was manually annotated 4 times for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 3 was manually annotated 3 times for cluster CY1.

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

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

Gene Information:

Gene: Archis_32 Start: 27504, Stop: 28439, Start Num: 3
Candidate Starts for Archis_32:
(Start: 3 @27504 has 9 MA's), (4, 27630), (5, 27672), (6, 27777), (7, 27894), (8, 27981), (9, 28098), (11, 28182), (12, 28224), (13, 28257), (14, 28320), (15, 28323), (16, 28374), (17, 28398),

Gene: Begonia_32 Start: 27738, Stop: 28667, Start Num: 3
Candidate Starts for Begonia_32:
(Start: 3 @27738 has 9 MA's), (5, 27900), (6, 28005), (7, 28122), (8, 28209), (9, 28326), (10, 28392), (11, 28410), (13, 28485), (14, 28548), (15, 28551), (16, 28602),

Gene: Bradissa_30 Start: 26559, Stop: 27488, Start Num: 3
Candidate Starts for Bradissa_30:
(Start: 3 @26559 has 9 MA's), (5, 26721), (6, 26826), (7, 26943), (8, 27030), (9, 27147), (11, 27231), (13, 27306), (14, 27369), (15, 27372), (16, 27423),

Gene: Floral_30 Start: 26412, Stop: 27341, Start Num: 3
Candidate Starts for Floral_30:
(Start: 3 @26412 has 9 MA's), (5, 26574), (6, 26679), (7, 26796), (8, 26883), (9, 27000), (10, 27066), (11, 27084), (13, 27159), (14, 27222), (15, 27225), (16, 27276),

Gene: Hedwig_32 Start: 27130, Stop: 28059, Start Num: 3
Candidate Starts for Hedwig_32:
(2, 27076), (Start: 3 @27130 has 9 MA's), (5, 27292), (6, 27397), (7, 27514), (8, 27601), (9, 27718), (10, 27784), (11, 27802), (13, 27877), (14, 27940), (15, 27943), (16, 27994),

Gene: Hitter_31 Start: 27134, Stop: 28063, Start Num: 3
Candidate Starts for Hitter_31:
(1, 27008), (Start: 3 @27134 has 9 MA's), (4, 27254), (5, 27296), (6, 27401), (7, 27518), (8, 27605), (9, 27722), (11, 27806), (12, 27848), (13, 27881), (14, 27944), (15, 27947), (16, 27998), (17, 28022),

Gene: Lucky10_27 Start: 23886, Stop: 24815, Start Num: 3
Candidate Starts for Lucky10_27:
(Start: 3 @23886 has 9 MA's), (5, 24048), (6, 24153), (7, 24270), (8, 24357), (9, 24474), (10, 24540), (11, 24558), (13, 24633), (15, 24699), (16, 24750),

Gene: Malachai_32 Start: 27738, Stop: 28667, Start Num: 3
Candidate Starts for Malachai_32:
(Start: 3 @27738 has 9 MA's), (5, 27900), (6, 28005), (7, 28122), (8, 28209), (9, 28326), (10, 28392), (11, 28410), (13, 28485), (14, 28548), (15, 28551), (16, 28602),

Gene: Pollux_30 Start: 26412, Stop: 27341, Start Num: 3
Candidate Starts for Pollux_30:
(Start: 3 @26412 has 9 MA's), (5, 26574), (6, 26679), (7, 26796), (8, 26883), (9, 27000), (10, 27066), (11, 27084), (13, 27159), (14, 27222), (15, 27225), (16, 27276),