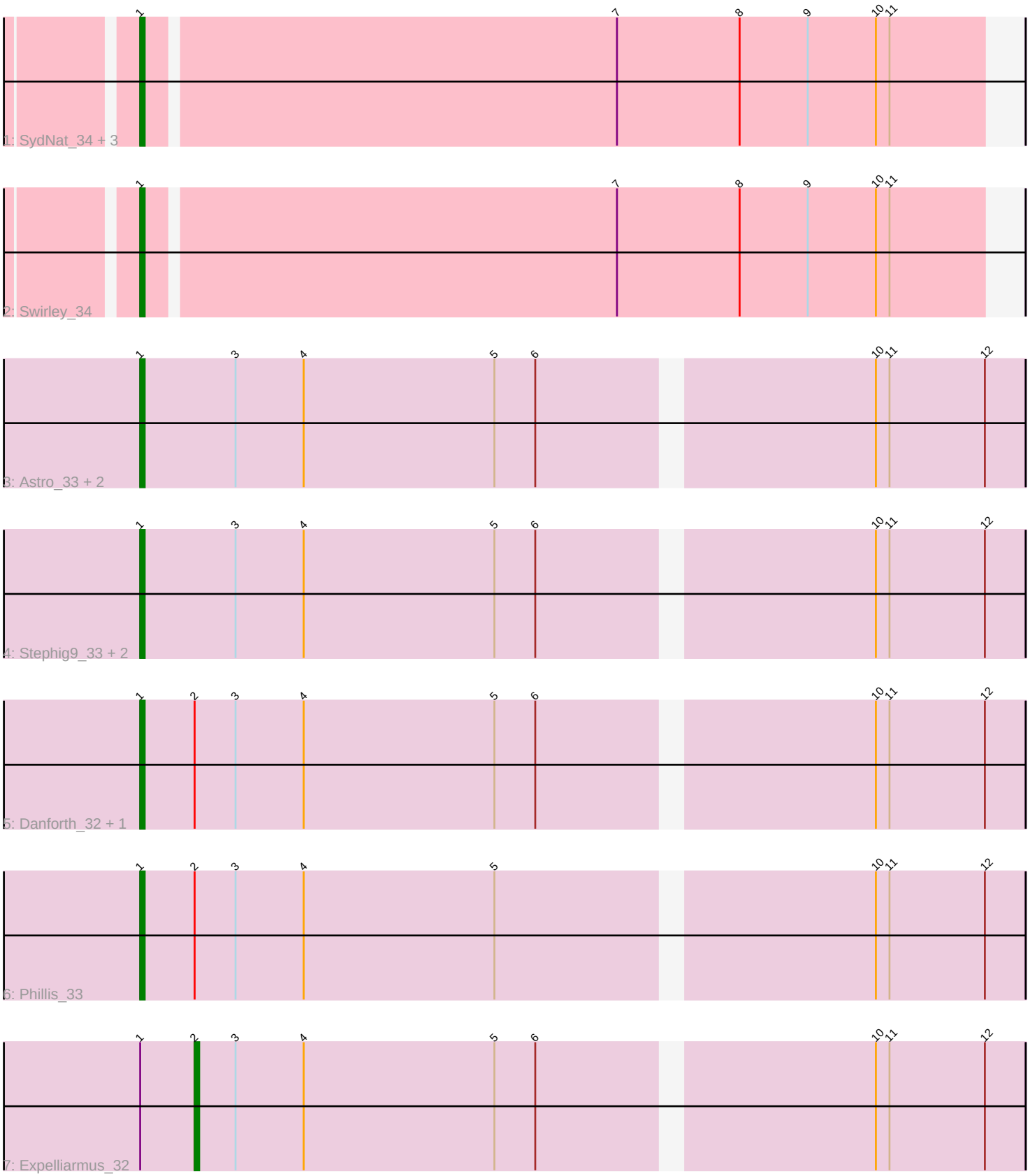
Pham 194444


1
7
8
9
10
11
1: SydNat_34 + 3
1
7
8
9
10
11
2: Swirley_34
1
3
4
5
6
10
11
12
3: Astro_33 + 2
1
3
4
5
6
10
11
12
4: Stephig9_33 + 2
1
2
3
4
5
6
10
11
12
5: Danforth_32 + 1
1
2
3
4
5
10
11
12
6: Phillis_33
1
2
3
4
5
6
10
11
12
7: Expelliarmus_32

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 194444 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194444 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SydNat_34, Zolita_33, Ghoulboy_34, Micasa_34
• Track 2 : Swirley_34
• Track 3 : Astro_33, Groundhog_32, Smeadley_33
• Track 4 : Stephig9_33, Dixon_33, NearlyHeadless_33
• Track 5 : Danforth_32, Roary_33
• Track 6 : Phillis_33
• Track 7 : Expelliarmus_32

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

The start number called the most often in the published annotations is 1, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astro_33, Danforth_32, Dixon_33, Ghoulboy_34, Groundhog_32, Micasa_34, NearlyHeadless_33, Phillis_33, Roary_33, Smeadley_33, Stephig9_33, Swirley_34, SydNat_34, Zolita_33,

Genes that have the "Most Annotated" start but do not call it:
• Expelliarmus_32,

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

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Astro_33 (A8), Danforth_32 (A8), Dixon_33 (A8), Ghoulboy_34 (A5), Groundhog_32 (A8), Micasa_34 (A5), NearlyHeadless_33 (A8), Phillis_33 (A8), Roary_33 (A8), Smeadley_33 (A8), Stephig9_33 (A8), Swirley_34 (A5), SydNat_34 (A5), Zolita_33 (A5),

Start 2:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Expelliarmus_32 (A8),

Summary by clusters:

There are 2 clusters represented in this pham: A8, A5,

Info for manual annotations of cluster A5:
•Start number 1 was manually annotated 5 times for cluster A5.

Info for manual annotations of cluster A8:
•Start number 1 was manually annotated 9 times for cluster A8.
•Start number 2 was manually annotated 1 time for cluster A8.

Gene Information:

Gene: Astro_33 Start: 26479, Stop: 26291, Start Num: 1
Candidate Starts for Astro_33:
(Start: 1 @26479 has 14 MA's), (3, 26458), (4, 26443), (5, 26401), (6, 26392), (10, 26323), (11, 26320), (12, 26299),

Gene: Danforth_32 Start: 26364, Stop: 26176, Start Num: 1
Candidate Starts for Danforth_32:
(Start: 1 @26364 has 14 MA's), (Start: 2 @26352 has 1 MA's), (3, 26343), (4, 26328), (5, 26286), (6, 26277), (10, 26208), (11, 26205), (12, 26184),

Gene: Dixon_33 Start: 26473, Stop: 26285, Start Num: 1
Candidate Starts for Dixon_33:
(Start: 1 @26473 has 14 MA's), (3, 26452), (4, 26437), (5, 26395), (6, 26386), (10, 26317), (11, 26314), (12, 26293),

Gene: Expelliarmus_32 Start: 26338, Stop: 26162, Start Num: 2
Candidate Starts for Expelliarmus_32:
(Start: 1 @26350 has 14 MA's), (Start: 2 @26338 has 1 MA's), (3, 26329), (4, 26314), (5, 26272), (6, 26263), (10, 26194), (11, 26191), (12, 26170),

Gene: Ghoulboy_34 Start: 27580, Stop: 27398, Start Num: 1
Candidate Starts for Ghoulboy_34:
(Start: 1 @27580 has 14 MA's), (7, 27478), (8, 27451), (9, 27436), (10, 27421), (11, 27418),

Gene: Groundhog_32 Start: 26444, Stop: 26256, Start Num: 1
Candidate Starts for Groundhog_32:
(Start: 1 @26444 has 14 MA's), (3, 26423), (4, 26408), (5, 26366), (6, 26357), (10, 26288), (11, 26285), (12, 26264),

Gene: Micasa_34 Start: 27303, Stop: 27121, Start Num: 1
Candidate Starts for Micasa_34:

(Start: 1 @27303 has 14 MA's), (7, 27201), (8, 27174), (9, 27159), (10, 27144), (11, 27141),

Gene: NearlyHeadless_33 Start: 26403, Stop: 26215, Start Num: 1
Candidate Starts for NearlyHeadless_33:
(Start: 1 @26403 has 14 MA's), (3, 26382), (4, 26367), (5, 26325), (6, 26316), (10, 26247), (11, 26244), (12, 26223),

Gene: Phillis_33 Start: 26429, Stop: 26241, Start Num: 1
Candidate Starts for Phillis_33:
(Start: 1 @26429 has 14 MA's), (Start: 2 @26417 has 1 MA's), (3, 26408), (4, 26393), (5, 26351), (10, 26273), (11, 26270), (12, 26249),

Gene: Roary_33 Start: 26349, Stop: 26161, Start Num: 1
Candidate Starts for Roary_33:
(Start: 1 @26349 has 14 MA's), (Start: 2 @26337 has 1 MA's), (3, 26328), (4, 26313), (5, 26271), (6, 26262), (10, 26193), (11, 26190), (12, 26169),

Gene: Smeadley_33 Start: 26472, Stop: 26284, Start Num: 1
Candidate Starts for Smeadley_33:
(Start: 1 @26472 has 14 MA's), (3, 26451), (4, 26436), (5, 26394), (6, 26385), (10, 26316), (11, 26313), (12, 26292),

Gene: Stephig9_33 Start: 26377, Stop: 26189, Start Num: 1
Candidate Starts for Stephig9_33:
(Start: 1 @26377 has 14 MA's), (3, 26356), (4, 26341), (5, 26299), (6, 26290), (10, 26221), (11, 26218), (12, 26197),

Gene: Swirley_34 Start: 27310, Stop: 27128, Start Num: 1
Candidate Starts for Swirley_34:
(Start: 1 @27310 has 14 MA's), (7, 27208), (8, 27181), (9, 27166), (10, 27151), (11, 27148),

Gene: SydNat_34 Start: 27589, Stop: 27407, Start Num: 1
Candidate Starts for SydNat_34:
(Start: 1 @27589 has 14 MA's), (7, 27487), (8, 27460), (9, 27445), (10, 27430), (11, 27427),

Gene: Zolita_33 Start: 27593, Stop: 27411, Start Num: 1
Candidate Starts for Zolita_33:
(Start: 1 @27593 has 14 MA's), (7, 27491), (8, 27464), (9, 27449), (10, 27434), (11, 27431),