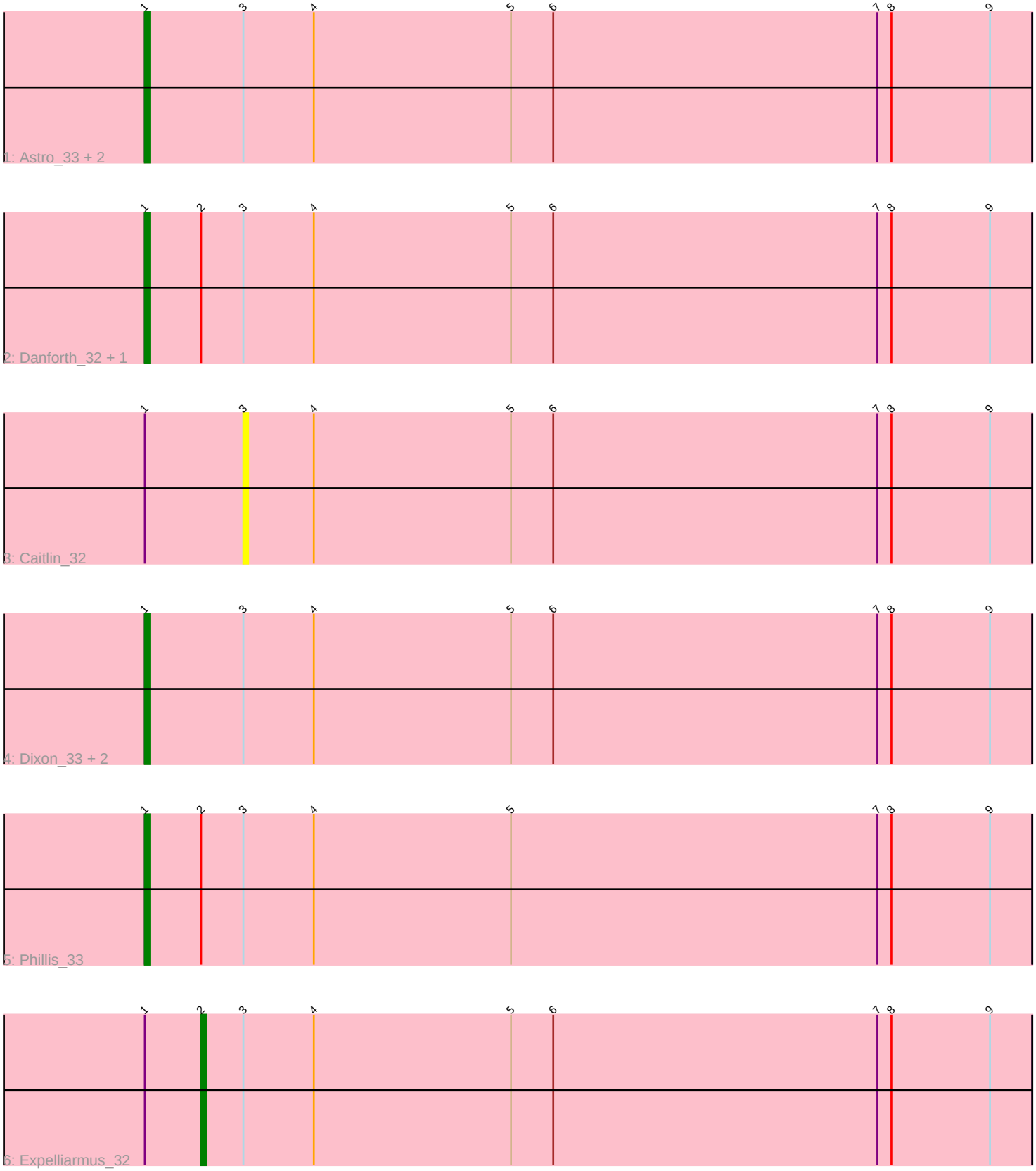
Pham 281085


1
3
4
5
6
7
8
9
1: Astro_33 + 2
1
2
3
4
5
6
7
8
9
2: Danforth_32 + 1
1
3
4
5
6
7
8
9
3: Caitlin_32
1
3
4
5
6
7
8
9
4: Dixon_33 + 2
1
2
3
4
5
7
8
9
5: Phillis_33
1
2
3
4
5
6
7
8
9
6: 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 281085 Report

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

Pham number 281085 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Astro_33, Groundhog_32, Smeadley_33
• Track 2 : Danforth_32, Roary_33
• Track 3 : Caitlin_32
• Track 4 : Dixon_33, NearlyHeadless_33, Stephig9_33
• Track 5 : Phillis_33
• Track 6 : 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 9 of the 10 non-draft genes in the pham.

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

Genes that have the "Most Annotated" start but do not call it:
• Caitlin_32, Expelliarmus_32,

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 81.8% of time when present
• Phage (with cluster) where this start called: Astro_33 (A8), Danforth_32 (A8), Dixon_33 (A8), Groundhog_32 (A8), NearlyHeadless_33 (A8), Phillis_33 (A8), Roary_33 (A8), Smeadley_33 (A8), Stephig9_33 (A8),

Start 2:
• Found in 4 of 11 (36.4%) of genes in pham

• Manual Annotations of this start: 1 of 10
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Expelliarmus_32 (A8),

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Caitlin_32 (A8),

Summary by clusters:

There is one cluster represented in this pham: A8

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 9 MA's), (3, 26458), (4, 26443), (5, 26401), (6, 26392), (7, 26323), (8, 26320), (9, 26299),

Gene: Caitlin_32 Start: 26451, Stop: 26284, Start Num: 3
Candidate Starts for Caitlin_32:
(Start: 1 @26472 has 9 MA's), (3, 26451), (4, 26436), (5, 26394), (6, 26385), (7, 26316), (8, 26313), (9, 26292),

Gene: Danforth_32 Start: 26364, Stop: 26176, Start Num: 1
Candidate Starts for Danforth_32:
(Start: 1 @26364 has 9 MA's), (Start: 2 @26352 has 1 MA's), (3, 26343), (4, 26328), (5, 26286), (6, 26277), (7, 26208), (8, 26205), (9, 26184),

Gene: Dixon_33 Start: 26473, Stop: 26285, Start Num: 1
Candidate Starts for Dixon_33:
(Start: 1 @26473 has 9 MA's), (3, 26452), (4, 26437), (5, 26395), (6, 26386), (7, 26317), (8, 26314), (9, 26293),

Gene: Expelliarmus_32 Start: 26338, Stop: 26162, Start Num: 2
Candidate Starts for Expelliarmus_32:
(Start: 1 @26350 has 9 MA's), (Start: 2 @26338 has 1 MA's), (3, 26329), (4, 26314), (5, 26272), (6, 26263), (7, 26194), (8, 26191), (9, 26170),

Gene: Groundhog_32 Start: 26444, Stop: 26256, Start Num: 1
Candidate Starts for Groundhog_32:
(Start: 1 @26444 has 9 MA's), (3, 26423), (4, 26408), (5, 26366), (6, 26357), (7, 26288), (8, 26285), (9, 26264),

Gene: NearlyHeadless_33 Start: 26403, Stop: 26215, Start Num: 1

Candidate Starts for NearlyHeadless_33:
(Start: 1 @26403 has 9 MA's), (3, 26382), (4, 26367), (5, 26325), (6, 26316), (7, 26247), (8, 26244), (9, 26223),

Gene: Phillis_33 Start: 26429, Stop: 26241, Start Num: 1
Candidate Starts for Phillis_33:
(Start: 1 @26429 has 9 MA's), (Start: 2 @26417 has 1 MA's), (3, 26408), (4, 26393), (5, 26351), (7, 26273), (8, 26270), (9, 26249),

Gene: Roary_33 Start: 26349, Stop: 26161, Start Num: 1
Candidate Starts for Roary_33:
(Start: 1 @26349 has 9 MA's), (Start: 2 @26337 has 1 MA's), (3, 26328), (4, 26313), (5, 26271), (6, 26262), (7, 26193), (8, 26190), (9, 26169),

Gene: Smeadley_33 Start: 26472, Stop: 26284, Start Num: 1
Candidate Starts for Smeadley_33:
(Start: 1 @26472 has 9 MA's), (3, 26451), (4, 26436), (5, 26394), (6, 26385), (7, 26316), (8, 26313), (9, 26292),

Gene: Stephig9_33 Start: 26377, Stop: 26189, Start Num: 1
Candidate Starts for Stephig9_33:
(Start: 1 @26377 has 9 MA's), (3, 26356), (4, 26341), (5, 26299), (6, 26290), (7, 26221), (8, 26218), (9, 26197),