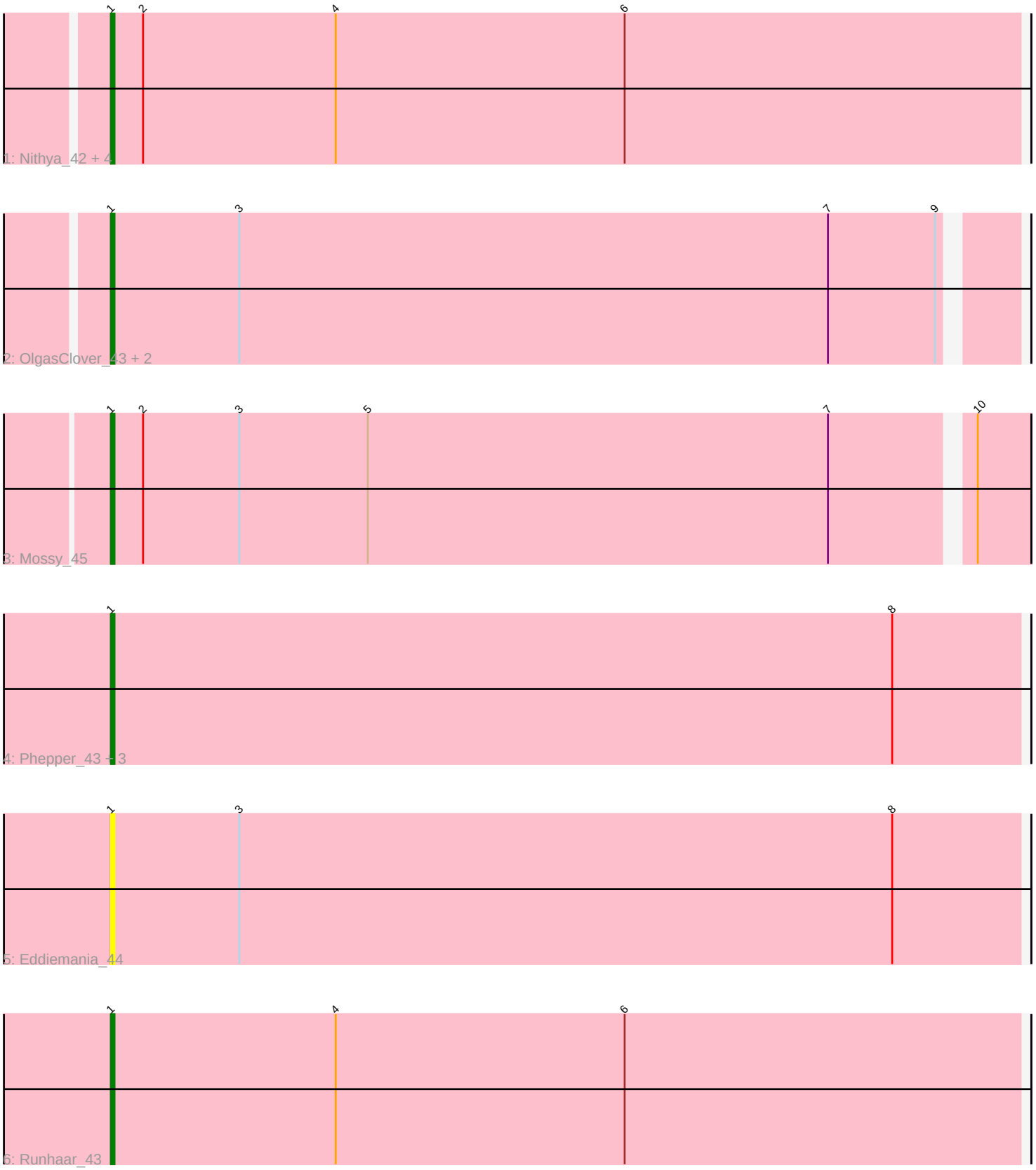
Pham 6551


1
2
4
6
1: Nithya_42 + 4
1
3
7
9
2: OlgasClover_43 + 2
1
2
3
5
7
10
3: Mossy_45
1
8
4: Phepper_43 + 3
1
3
8
5: Eddiemania_44
1
4
6
6: Runhaar_43

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 6551 Report

This analysis was run 04/22/24 on database version 561.

Pham number 6551 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Nithya_42, Duffington_41, AlainaMarie_42, Chikenjars_42, EndAve_43
• Track 2 : OlgasClover_43, TenaciousP_46, Aflac_42
• Track 3 : Mossy_45
• Track 4 : Phepper_43, Untouchable_43, Hydrus_44, Zeph_47
• Track 5 : Eddiemania_44
• Track 6 : Runhaar_43

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_42, AlainaMarie_42, Chikenjars_42, Duffington_41, Eddiemania_44, EndAve_43, Hydrus_44, Mossy_45, Nithya_42, OlgasClover_43, Phepper_43, Runhaar_43, TenaciousP_46, Untouchable_43, Zeph_47,

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 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_42 (DJ), AlainaMarie_42 (DJ), Chikenjars_42 (DJ), Duffington_41 (DJ), Eddiemania_44 (DJ), EndAve_43 (DJ), Hydrus_44 (DJ), Mossy_45 (DJ), Nithya_42 (DJ), OlgasClover_43 (DJ), Phepper_43 (DJ), Runhaar_43 (DJ), TenaciousP_46 (DJ), Untouchable_43 (DJ), Zeph_47 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 1 was manually annotated 12 times for cluster DJ.

Gene Information:

Gene: Aflac_42 Start: 33459, Stop: 33707, Start Num: 1
Candidate Starts for Aflac_42:
(Start: 1 @33459 has 12 MA's), (3, 33495), (7, 33660), (9, 33690),

Gene: AlainaMarie_42 Start: 33438, Stop: 33692, Start Num: 1
Candidate Starts for AlainaMarie_42:
(Start: 1 @33438 has 12 MA's), (2, 33447), (4, 33501), (6, 33582),

Gene: Chikenjars_42 Start: 33449, Stop: 33703, Start Num: 1
Candidate Starts for Chikenjars_42:
(Start: 1 @33449 has 12 MA's), (2, 33458), (4, 33512), (6, 33593),

Gene: Duffington_41 Start: 33111, Stop: 33365, Start Num: 1
Candidate Starts for Duffington_41:
(Start: 1 @33111 has 12 MA's), (2, 33120), (4, 33174), (6, 33255),

Gene: Eddiemania_44 Start: 34373, Stop: 34627, Start Num: 1
Candidate Starts for Eddiemania_44:
(Start: 1 @34373 has 12 MA's), (3, 34409), (8, 34592),

Gene: EndAve_43 Start: 33618, Stop: 33872, Start Num: 1
Candidate Starts for EndAve_43:
(Start: 1 @33618 has 12 MA's), (2, 33627), (4, 33681), (6, 33762),

Gene: Hydrus_44 Start: 34386, Stop: 34640, Start Num: 1
Candidate Starts for Hydrus_44:
(Start: 1 @34386 has 12 MA's), (8, 34605),

Gene: Mossy_45 Start: 35377, Stop: 35628, Start Num: 1
Candidate Starts for Mossy_45:
(Start: 1 @35377 has 12 MA's), (2, 35386), (3, 35413), (5, 35449), (7, 35578), (10, 35614),

Gene: Nithya_42 Start: 33439, Stop: 33693, Start Num: 1
Candidate Starts for Nithya_42:
(Start: 1 @33439 has 12 MA's), (2, 33448), (4, 33502), (6, 33583),

Gene: OlgasClover_43 Start: 34503, Stop: 34751, Start Num: 1
Candidate Starts for OlgasClover_43:
(Start: 1 @34503 has 12 MA's), (3, 34539), (7, 34704), (9, 34734),

Gene: Phepper_43 Start: 33508, Stop: 33762, Start Num: 1
Candidate Starts for Phepper_43:

(Start: 1 @33508 has 12 MA's), (8, 33727),

Gene: Runhaar_43 Start: 33502, Stop: 33756, Start Num: 1
Candidate Starts for Runhaar_43:
(Start: 1 @33502 has 12 MA's), (4, 33565), (6, 33646),

Gene: TenaciousP_46 Start: 34884, Stop: 35132, Start Num: 1
Candidate Starts for TenaciousP_46:
(Start: 1 @34884 has 12 MA's), (3, 34920), (7, 35085), (9, 35115),

Gene: Untouchable_43 Start: 33868, Stop: 34122, Start Num: 1
Candidate Starts for Untouchable_43:
(Start: 1 @33868 has 12 MA's), (8, 34087),

Gene: Zeph_47 Start: 34366, Stop: 34620, Start Num: 1
Candidate Starts for Zeph_47:
(Start: 1 @34366 has 12 MA's), (8, 34585),