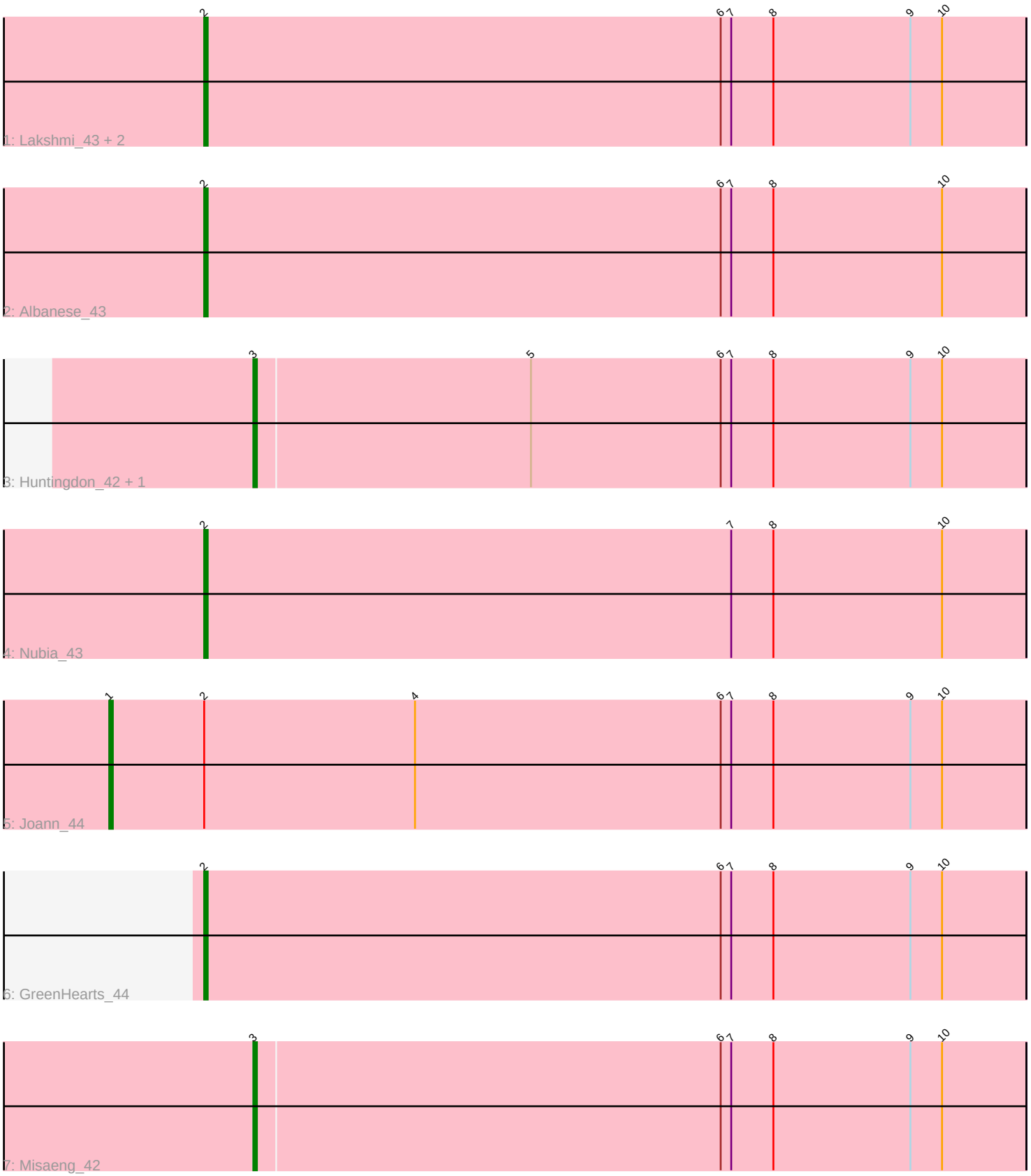
Pham 197054


2
6
7
8
9
10
1: Lakshmi_43 + 2
2
6
7
8
10
2: Albanese_43
3
5
6
7
8
9
10
3: Huntingdon_42 + 1
2
7
8
10
4: Nubia_43
1
2
4
6
7
8
9
10
5: Joann_44
2
6
7
8
9
10
6: GreenHearts_44
3
6
7
8
9
10
7: Misaeng_42

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 197054 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197054 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Lakshmi_43, Greenhouse_44, Oxynfrius_43
• Track 2 : Albanese_43
• Track 3 : Huntingdon_42, RcigaStruga_42
• Track 4 : Nubia_43
• Track 5 : Joann_44
• Track 6 : GreenHearts_44
• Track 7 : Misaeng_42

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Albanese_43, GreenHearts_44, Greenhouse_44, Lakshmi_43, Nubia_43, Oxynfrius_43,

Genes that have the "Most Annotated" start but do not call it:
• Joann_44,

Genes that do not have the "Most Annotated" start:
• Huntingdon_42, Misaeng_42, RcigaStruga_42,

Summary by start number:

Start 1:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Joann_44 (AK),

Start 2:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 10

• Called 85.7% of time when present
• Phage (with cluster) where this start called: Albanese_43 (AK), GreenHearts_44 (AK), Greenhouse_44 (AK), Lakshmi_43 (AK), Nubia_43 (AK), Oxynfrius_43 (AK),

Start 3:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Huntingdon_42 (AK), Misaeng_42 (AK), RcigaStruga_42 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 1 was manually annotated 1 time for cluster AK.
•Start number 2 was manually annotated 6 times for cluster AK.
•Start number 3 was manually annotated 3 times for cluster AK.

Gene Information:

Gene: Albanese_43 Start: 29112, Stop: 29345, Start Num: 2
Candidate Starts for Albanese_43:
(Start: 2 @29112 has 6 MA's), (6, 29259), (7, 29262), (8, 29274), (10, 29322),

Gene: GreenHearts_44 Start: 29403, Stop: 29636, Start Num: 2
Candidate Starts for GreenHearts_44:
(Start: 2 @29403 has 6 MA's), (6, 29550), (7, 29553), (8, 29565), (9, 29604), (10, 29613),

Gene: Greenhouse_44 Start: 29123, Stop: 29356, Start Num: 2
Candidate Starts for Greenhouse_44:
(Start: 2 @29123 has 6 MA's), (6, 29270), (7, 29273), (8, 29285), (9, 29324), (10, 29333),

Gene: Huntingdon_42 Start: 28950, Stop: 29168, Start Num: 3
Candidate Starts for Huntingdon_42:
(Start: 3 @28950 has 3 MA's), (5, 29028), (6, 29082), (7, 29085), (8, 29097), (9, 29136), (10, 29145),

Gene: Joann_44 Start: 29171, Stop: 29431, Start Num: 1
Candidate Starts for Joann_44:
(Start: 1 @29171 has 1 MA's), (Start: 2 @29198 has 6 MA's), (4, 29258), (6, 29345), (7, 29348), (8, 29360), (9, 29399), (10, 29408),

Gene: Lakshmi_43 Start: 29086, Stop: 29319, Start Num: 2
Candidate Starts for Lakshmi_43:
(Start: 2 @29086 has 6 MA's), (6, 29233), (7, 29236), (8, 29248), (9, 29287), (10, 29296),

Gene: Misaeng_42 Start: 29074, Stop: 29292, Start Num: 3
Candidate Starts for Misaeng_42:
(Start: 3 @29074 has 3 MA's), (6, 29206), (7, 29209), (8, 29221), (9, 29260), (10, 29269),

Gene: Nubia_43 Start: 29031, Stop: 29264, Start Num: 2
Candidate Starts for Nubia_43:
(Start: 2 @29031 has 6 MA's), (7, 29181), (8, 29193), (10, 29241),

Gene: Oxynfrius_43 Start: 29052, Stop: 29285, Start Num: 2
Candidate Starts for Oxynfrius_43:
(Start: 2 @29052 has 6 MA's), (6, 29199), (7, 29202), (8, 29214), (9, 29253), (10, 29262),

Gene: RcigaStruga_42 Start: 28950, Stop: 29168, Start Num: 3
Candidate Starts for RcigaStruga_42:
(Start: 3 @28950 has 3 MA's), (5, 29028), (6, 29082), (7, 29085), (8, 29097), (9, 29136), (10, 29145),