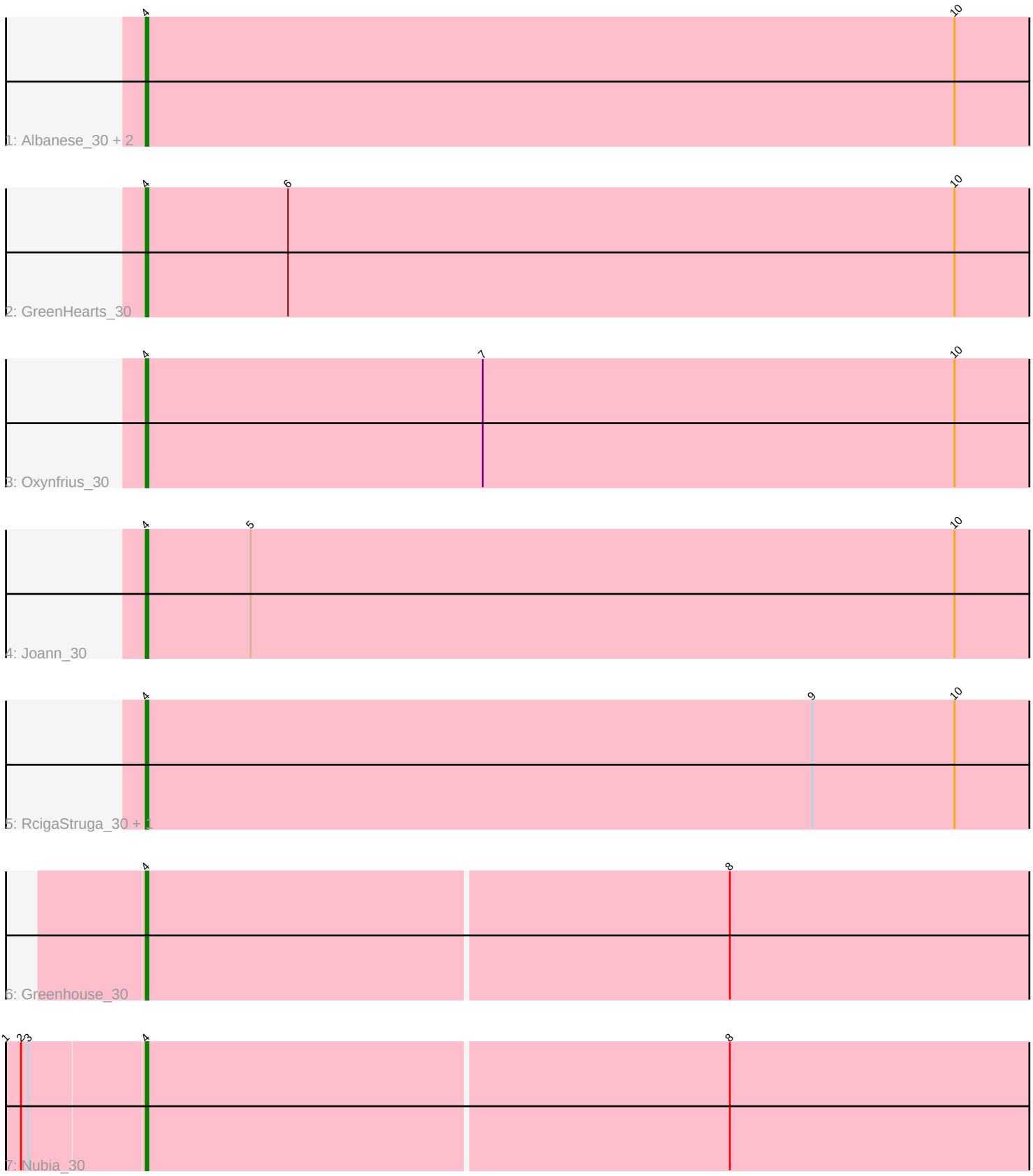
# Pham 6608


4
10
1: Albanese_30 + 2
4
6
10
2: GreenHearts_30
4
7
10
3: Oxynfrius_30
4
5
10
4: Joann_30
4
9
10
5: RcigaStruga_30 + 1
4
8
6: Greenhouse_30
1
2
3
4
8
7: Nubia_30

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 6608 Report

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

Pham number 6608 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Albanese_30, Misaeng_30, Lakshmi_30
• Track 2 : GreenHearts_30
• Track 3 : Oxynfrius_30
• Track 4 : Joann_30
• Track 5 : RcigaStruga_30, Huntingdon_30
• Track 6 : Greenhouse_30
• Track 7 : Nubia_30

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Albanese_30, GreenHearts_30, Greenhouse_30, Huntingdon_30, Joann_30, Lakshmi_30, Misaeng_30, Nubia_30, Oxynfrius_30, RcigaStruga_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 4:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Albanese_30 (AK), GreenHearts_30 (AK), Greenhouse_30 (AK), Huntingdon_30 (AK), Joann_30 (AK), Lakshmi_30 (AK), Misaeng_30 (AK), Nubia_30 (AK), Oxynfrius_30 (AK), RcigaStruga_30 (AK),

**Summary by clusters:**

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 4 was manually annotated 10 times for cluster AK.

***Gene Information:***

Gene: Albanese_30 Start: 23651, Stop: 24061, Start Num: 4
Candidate Starts for Albanese_30:
(Start: 4 @23651 has 10 MA's), (10, 23975),

Gene: GreenHearts_30 Start: 23743, Stop: 24153, Start Num: 4
Candidate Starts for GreenHearts_30:
(Start: 4 @23743 has 10 MA's), (6, 23800), (10, 24067),

Gene: Greenhouse_30 Start: 23666, Stop: 24067, Start Num: 4
Candidate Starts for Greenhouse_30:
(Start: 4 @23666 has 10 MA's), (8, 23897),

Gene: Huntingdon_30 Start: 23634, Stop: 24044, Start Num: 4
Candidate Starts for Huntingdon_30:
(Start: 4 @23634 has 10 MA's), (9, 23901), (10, 23958),

Gene: Joann_30 Start: 23601, Stop: 24011, Start Num: 4
Candidate Starts for Joann_30:
(Start: 4 @23601 has 10 MA's), (5, 23643), (10, 23925),

Gene: Lakshmi_30 Start: 23627, Stop: 24037, Start Num: 4
Candidate Starts for Lakshmi_30:
(Start: 4 @23627 has 10 MA's), (10, 23951),

Gene: Misaeng_30 Start: 23761, Stop: 24171, Start Num: 4
Candidate Starts for Misaeng_30:
(Start: 4 @23761 has 10 MA's), (10, 24085),

Gene: Nubia_30 Start: 23585, Stop: 23986, Start Num: 4
Candidate Starts for Nubia_30:
(1, 23531), (2, 23537), (3, 23540), (Start: 4 @23585 has 10 MA's), (8, 23816),

Gene: Oxynfrius_30 Start: 23601, Stop: 24011, Start Num: 4
Candidate Starts for Oxynfrius_30:
(Start: 4 @23601 has 10 MA's), (7, 23736), (10, 23925),

Gene: RcigaStruga_30 Start: 23634, Stop: 24044, Start Num: 4
Candidate Starts for RcigaStruga_30:
(Start: 4 @23634 has 10 MA's), (9, 23901), (10, 23958),