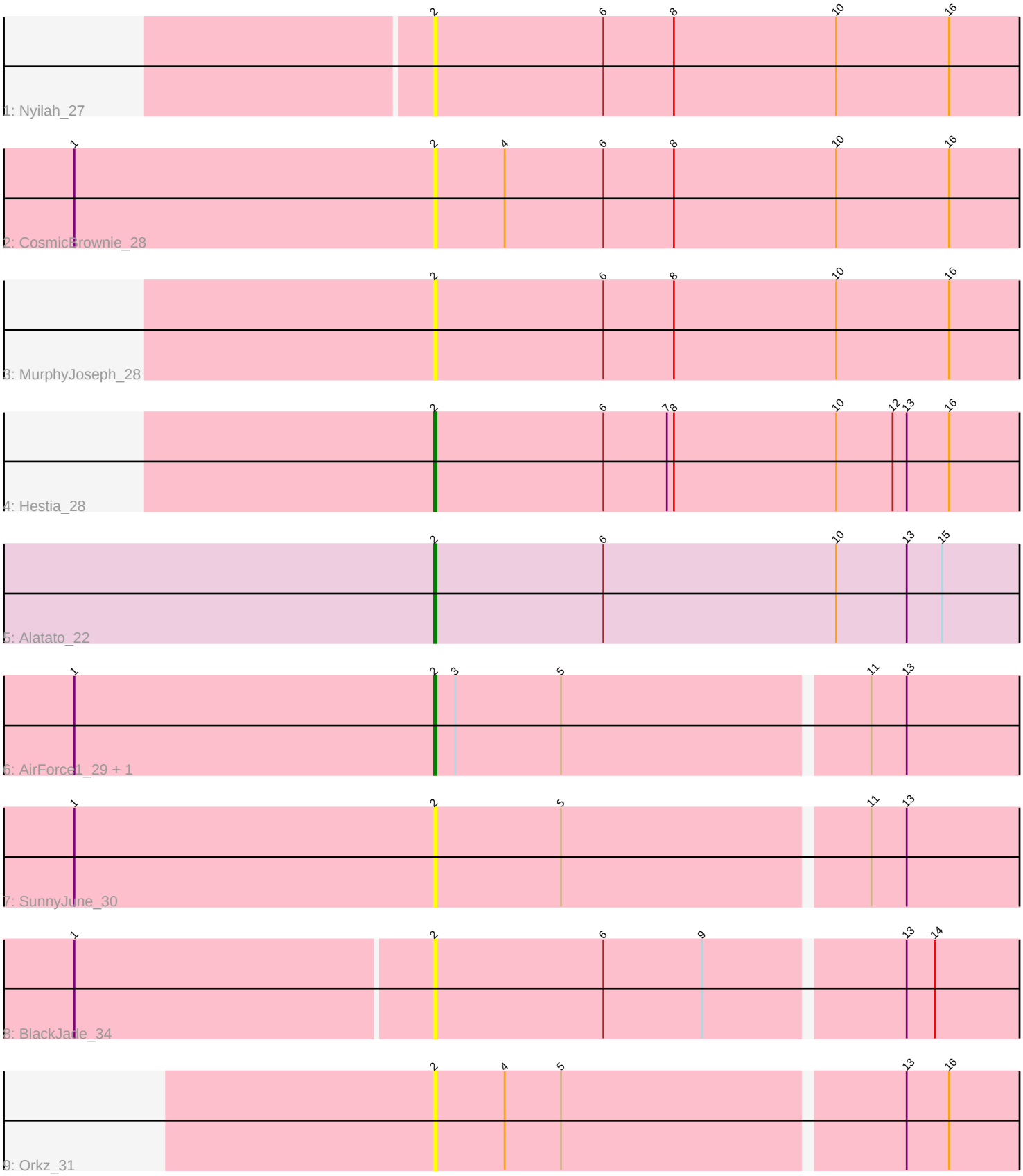
Pham 297183


2 6 8 10 16
1: Nyilah_27
1 2 4 6 8 10 16
2: CosmicBrownie_28
2 6 8 10 16
3: MurphyJoseph_28
2 6 7 8 10 12 13 16
4: Hestia_28
2 6 10 13 15
5: Alatato_22
1 2 3 5 11 13
6: AirForce1_29 + 1
1 2 5 11 13
7: SunnyJune_30
1 2 6 9 13 14
8: BlackJade_34
2 4 5 13 16
9: Orkz_31

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 297183 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297183 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Nyilah_27
• Track 2 : CosmicBrownie_28
• Track 3 : MurphyJoseph_28
• Track 4 : Hestia_28
• Track 5 : Alatato_22
• Track 6 : AirForce1_29, Jinkies_31
• Track 7 : SunnyJune_30
• Track 8 : BlackJade_34
• Track 9 : Orkz_31

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AirForce1_29, Alatato_22, BlackJade_34, CosmicBrownie_28, Hestia_28, Jinkies_31, MurphyJoseph_28, Nyilah_27, Orkz_31, SunnyJune_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 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AirForce1_29 (FL), Alatato_22 (FB), BlackJade_34 (FL), CosmicBrownie_28 (AY), Hestia_28 (AY), Jinkies_31 (FL), MurphyJoseph_28 (AY), Nyilah_27 (AY), Orkz_31 (FL), SunnyJune_30 (FL),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FB, FL,

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

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

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

Gene Information:

Gene: AirForce1_29 Start: 22259, Stop: 22513, Start Num: 2
Candidate Starts for AirForce1_29:
(1, 22106), (Start: 2 @22259 has 3 MA's), (3, 22268), (5, 22313), (11, 22439), (13, 22454),

Gene: Alatato_22 Start: 17463, Stop: 17723, Start Num: 2
Candidate Starts for Alatato_22:
(Start: 2 @17463 has 3 MA's), (6, 17535), (10, 17634), (13, 17664), (15, 17679),

Gene: BlackJade_34 Start: 24870, Stop: 25124, Start Num: 2
Candidate Starts for BlackJade_34:
(1, 24720), (Start: 2 @24870 has 3 MA's), (6, 24942), (9, 24984), (13, 25065), (14, 25077),

Gene: CosmicBrownie_28 Start: 20183, Stop: 20443, Start Num: 2
Candidate Starts for CosmicBrownie_28:
(1, 20030), (Start: 2 @20183 has 3 MA's), (4, 20213), (6, 20255), (8, 20285), (10, 20354), (16, 20402),

Gene: Hestia_28 Start: 20403, Stop: 20663, Start Num: 2
Candidate Starts for Hestia_28:
(Start: 2 @20403 has 3 MA's), (6, 20475), (7, 20502), (8, 20505), (10, 20574), (12, 20598), (13, 20604), (16, 20622),

Gene: Jinkies_31 Start: 24736, Stop: 24990, Start Num: 2
Candidate Starts for Jinkies_31:
(1, 24583), (Start: 2 @24736 has 3 MA's), (3, 24745), (5, 24790), (11, 24916), (13, 24931),

Gene: MurphyJoseph_28 Start: 20309, Stop: 20569, Start Num: 2
Candidate Starts for MurphyJoseph_28:
(Start: 2 @20309 has 3 MA's), (6, 20381), (8, 20411), (10, 20480), (16, 20528),

Gene: Nyilah_27 Start: 20212, Stop: 20472, Start Num: 2
Candidate Starts for Nyilah_27:
(Start: 2 @20212 has 3 MA's), (6, 20284), (8, 20314), (10, 20383), (16, 20431),

Gene: Orkz_31 Start: 21461, Stop: 21715, Start Num: 2
Candidate Starts for Orkz_31:

(Start: 2 @21461 has 3 MA's), (4, 21491), (5, 21515), (13, 21656), (16, 21674),

Gene: SunnyJune_30 Start: 23435, Stop: 23689, Start Num: 2
Candidate Starts for SunnyJune_30:
(1, 23282), (Start: 2 @23435 has 3 MA's), (5, 23489), (11, 23615), (13, 23630),