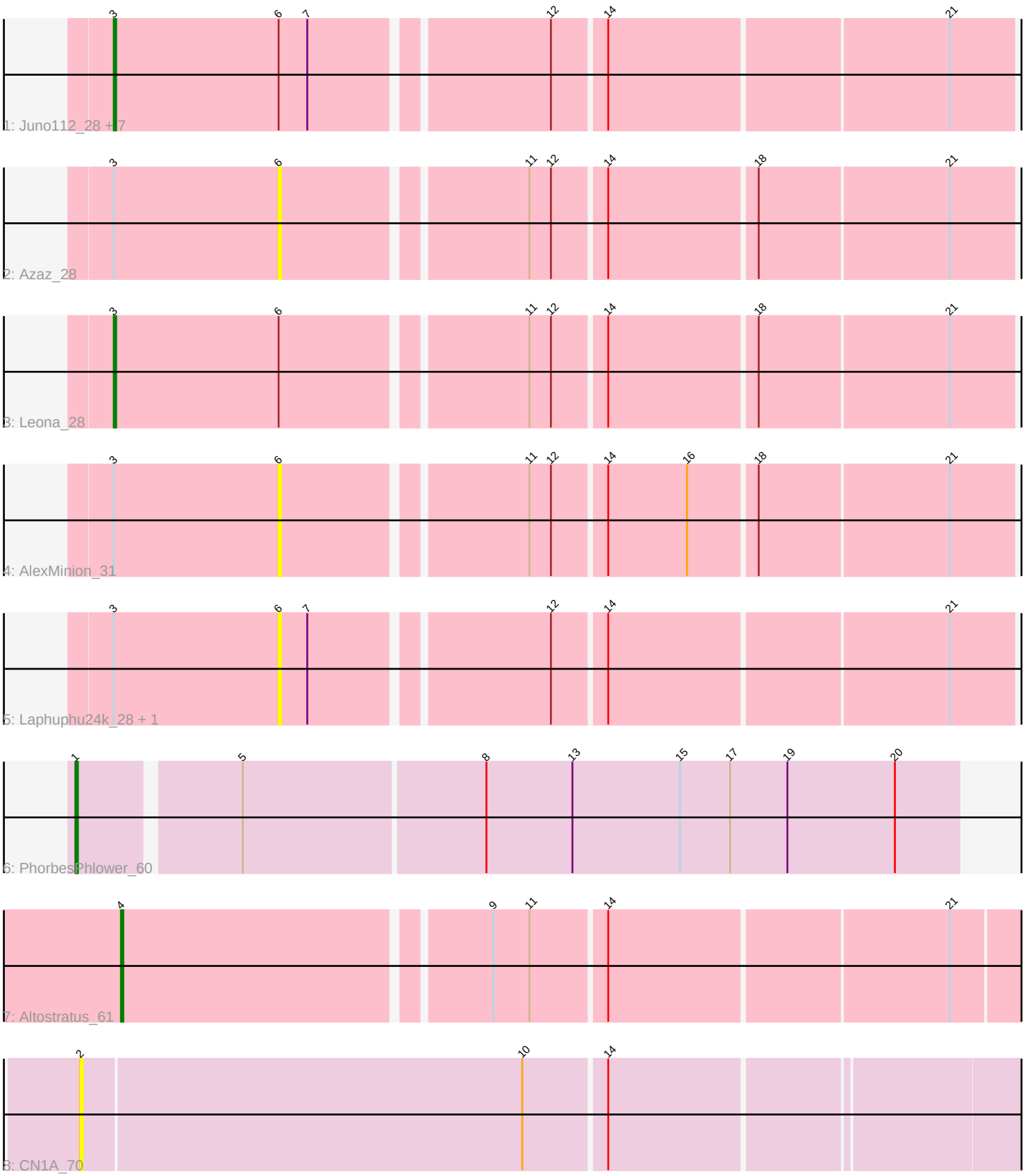
Pham 276650


3
6
7
12
14
21
1: Juno112_28 + 7
3
6
11
12
14
18
21
2: Azaz_28
3
6
11
12
14
18
21
3: Leona_28
3
6
11
12
14
16
18
21
4: AlexMinion_31
3
6
7
12
14
21
5: Laphuphu24k_28 + 1
1
5
8
13
15
17
19
20
6: PhorbesPhlower_60
4
9
11
14
21
7: Altostratus_61
2
10
14
8: CN1A_70

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 276650 Report

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

Pham number 276650 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Juno112_28, Glotell_30, PhluffyCoco_29, HamCheese_29, RedFox_29, Atlantica_29, AmiCi24_28, KHumphrey_29
• Track 2 : Azaz_28
• Track 3 : Leona_28
• Track 4 : AlexMinion_31
• Track 5 : Laphuphu24k_28, Amphitrite_29
• Track 6 : PhorbesPhlower_60
• Track 7 : Altostratus_61
• Track 8 : CN1A_70

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AmiCi24_28, Atlantica_29, Glotell_30, HamCheese_29, Juno112_28, KHumphrey_29, Leona_28, PhluffyCoco_29, RedFox_29,

Genes that have the "Most Annotated" start but do not call it:
• AlexMinion_31, Amphitrite_29, Azaz_28, Laphuphu24k_28,

Genes that do not have the "Most Annotated" start:
• Altostratus_61, CN1A_70, PhorbesPhlower_60,

Summary by start number:

Start 1:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PhorbesPhlower_60 (DH),

Start 2:

• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CN1A_70 (singleton),

Start 3:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 69.2% of time when present
• Phage (with cluster) where this start called: AmiCi24_28 (AS3), Atlantica_29 (AS3), Glotell_30 (AS3), HamCheese_29 (AS3), Juno112_28 (AS3), KHumphrey_29 (AS3), Leona_28 (AS3), PhluffyCoco_29 (AS3), RedFox_29 (AS3),

Start 4:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_61 (FS),

Start 6:
• Found in 13 of 16 (81.2%) of genes in pham
• No Manual Annotations of this start.
• Called 30.8% of time when present
• Phage (with cluster) where this start called: AlexMinion_31 (AS3), Amphitrite_29 (AS3), Azaz_28 (AS3), Laphuphu24k_28 (AS3),

Summary by clusters:

There are 4 clusters represented in this pham: AS3, singleton, FS, DH,

Info for manual annotations of cluster AS3:
•Start number 3 was manually annotated 9 times for cluster AS3.

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

Info for manual annotations of cluster FS:
•Start number 4 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: AlexMinion_31 Start: 20641, Stop: 20351, Start Num: 6
Candidate Starts for AlexMinion_31:
(Start: 3 @20710 has 9 MA's), (6, 20641), (11, 20545), (12, 20536), (14, 20515), (16, 20482), (18, 20455), (21, 20377),

Gene: Altostratus_61 Start: 35810, Stop: 36169, Start Num: 4
Candidate Starts for Altostratus_61:
(Start: 4 @35810 has 1 MA's), (9, 35957), (11, 35972), (14, 36002), (21, 36140),

Gene: AmiCi24_28 Start: 20520, Stop: 20161, Start Num: 3

Candidate Starts for AmiCi24_28:
(Start: 3 @20520 has 9 MA's), (6, 20451), (7, 20439), (12, 20346), (14, 20325), (21, 20187),

Gene: Amphitrite_29 Start: 20450, Stop: 20160, Start Num: 6
Candidate Starts for Amphitrite_29:
(Start: 3 @20519 has 9 MA's), (6, 20450), (7, 20438), (12, 20345), (14, 20324), (21, 20186),

Gene: Atlantica_29 Start: 20521, Stop: 20162, Start Num: 3
Candidate Starts for Atlantica_29:
(Start: 3 @20521 has 9 MA's), (6, 20452), (7, 20440), (12, 20347), (14, 20326), (21, 20188),

Gene: Azaz_28 Start: 20524, Stop: 20234, Start Num: 6
Candidate Starts for Azaz_28:
(Start: 3 @20593 has 9 MA's), (6, 20524), (11, 20428), (12, 20419), (14, 20398), (18, 20338), (21, 20260),

Gene: CN1A_70 Start: 53137, Stop: 52757, Start Num: 2
Candidate Starts for CN1A_70:
(2, 53137), (10, 52954), (14, 52921),

Gene: Glotell_30 Start: 20678, Stop: 20319, Start Num: 3
Candidate Starts for Glotell_30:
(Start: 3 @20678 has 9 MA's), (6, 20609), (7, 20597), (12, 20504), (14, 20483), (21, 20345),

Gene: HamCheese_29 Start: 20506, Stop: 20147, Start Num: 3
Candidate Starts for HamCheese_29:
(Start: 3 @20506 has 9 MA's), (6, 20437), (7, 20425), (12, 20332), (14, 20311), (21, 20173),

Gene: Juno112_28 Start: 20522, Stop: 20163, Start Num: 3
Candidate Starts for Juno112_28:
(Start: 3 @20522 has 9 MA's), (6, 20453), (7, 20441), (12, 20348), (14, 20327), (21, 20189),

Gene: KHumphrey_29 Start: 20520, Stop: 20161, Start Num: 3
Candidate Starts for KHumphrey_29:
(Start: 3 @20520 has 9 MA's), (6, 20451), (7, 20439), (12, 20346), (14, 20325), (21, 20187),

Gene: Laphuphu24k_28 Start: 20437, Stop: 20147, Start Num: 6
Candidate Starts for Laphuphu24k_28:
(Start: 3 @20506 has 9 MA's), (6, 20437), (7, 20425), (12, 20332), (14, 20311), (21, 20173),

Gene: Leona_28 Start: 20593, Stop: 20234, Start Num: 3
Candidate Starts for Leona_28:
(Start: 3 @20593 has 9 MA's), (6, 20524), (11, 20428), (12, 20419), (14, 20398), (18, 20338), (21, 20260),

Gene: PhluffyCoco_29 Start: 20506, Stop: 20147, Start Num: 3
Candidate Starts for PhluffyCoco_29:
(Start: 3 @20506 has 9 MA's), (6, 20437), (7, 20425), (12, 20332), (14, 20311), (21, 20173),

Gene: PhorbesPhlower_60 Start: 36317, Stop: 36676, Start Num: 1
Candidate Starts for PhorbesPhlower_60:
(Start: 1 @36317 has 1 MA's), (5, 36380), (8, 36479), (13, 36515), (15, 36560), (17, 36581), (19, 36605), (20, 36650),

Gene: RedFox_29 Start: 20519, Stop: 20160, Start Num: 3
Candidate Starts for RedFox_29:
(Start: 3 @20519 has 9 MA's), (6, 20450), (7, 20438), (12, 20345), (14, 20324), (21, 20186),