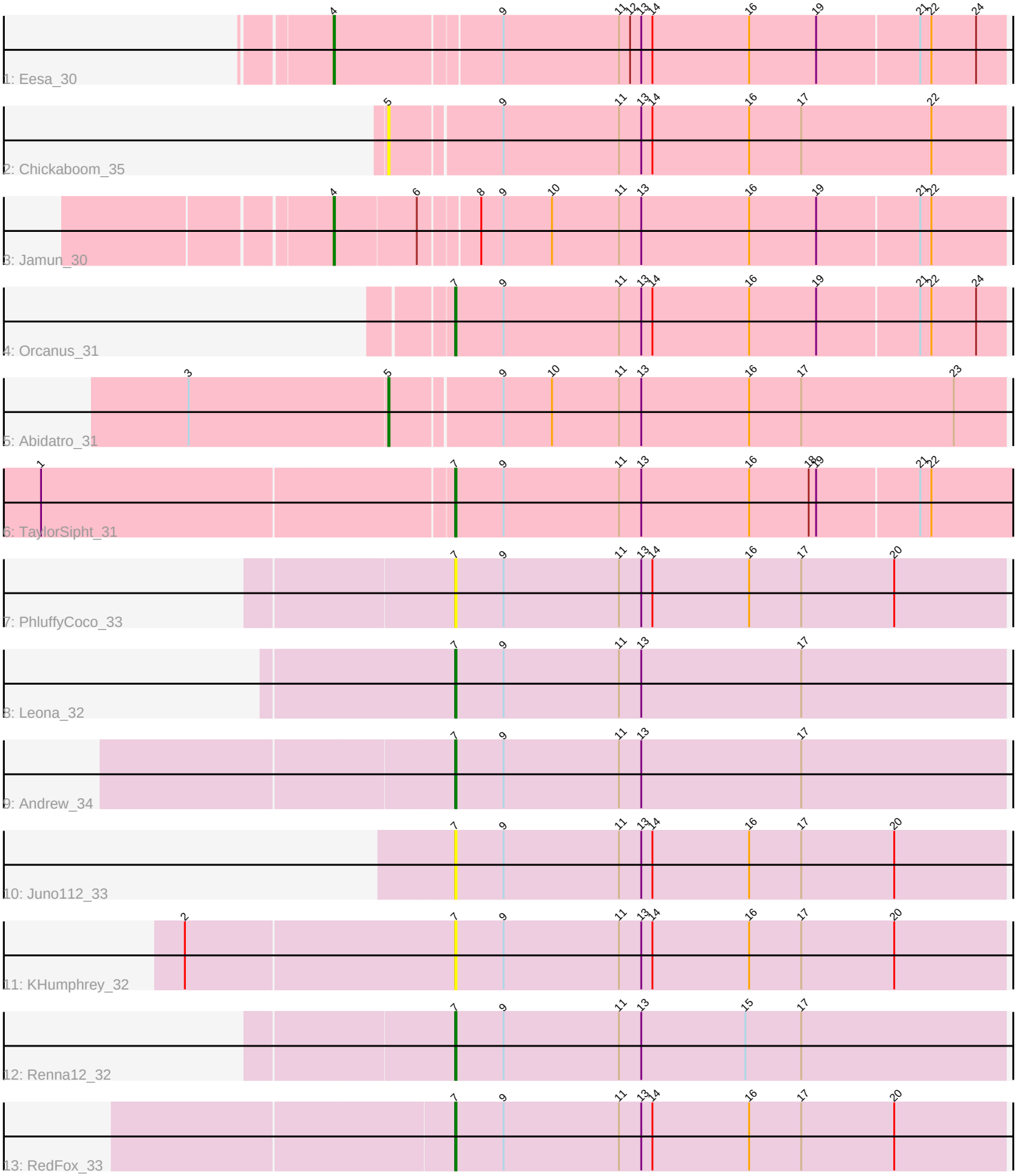
Pham 6638


4 9 11 12 13 14 16 19 21 22 24
1: Eesa_30
5 9 11 13 14 16 17 22
2: Chickaboom_35
4 6 8 9 10 11 13 16 19 21 22
3: Jamun_30
7 9 11 13 14 16 19 21 22 24
4: Orcanus_31
3 5 9 10 11 13 16 17 23
5: Abidatro_31
1 7 9 11 13 16 18 19 21 22
6: TaylorSipht_31
7 9 11 13 14 16 17 20
7: PhluffyCoco_33
7 9 11 13 17
8: Leona_32
7 9 11 13 17
9: Andrew_34
7 9 11 13 14 16 17 20
10: Juno112_33
2 7 9 11 13 14 16 17 20
11: KHumphrey_32
7 9 11 13 15 17
12: Renna12_32
7 9 11 13 14 16 17 20
13: RedFox_33

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 6638 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6638 has 13 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Eesa_30
• Track 2 : Chickaboom_35
• Track 3 : Jamun_30
• Track 4 : Orcanus_31
• Track 5 : Abidatro_31
• Track 6 : TaylorSipht_31
• Track 7 : PhluffyCoco_33
• Track 8 : Leona_32
• Track 9 : Andrew_34
• Track 10 : Juno112_33
• Track 11 : KHumphrey_32
• Track 12 : Renna12_32
• Track 13 : RedFox_33

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andrew_34, Juno112_33, KHumphrey_32, Leona_32, Orcanus_31, PhluffyCoco_33, RedFox_33, Renna12_32, TaylorSipht_31,

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

Genes that do not have the "Most Annotated" start:
• Abidatro_31, Chickaboom_35, Eesa_30, Jamun_30,

Summary by start number:

Start 4:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eesa_30 (AS1), Jamun_30 (AS1),

Start 5:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_31 (AS1), Chickaboom_35 (AS1),

Start 7:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andrew_34 (AS3), Juno112_33 (AS3), KHumphrey_32 (AS3), Leona_32 (AS3), Orcanus_31 (AS1), PhluffyCoco_33 (AS3), RedFox_33 (AS3), Renna12_32 (AS3), TaylorSipht_31 (AS1),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS1,

Info for manual annotations of cluster AS1:
•Start number 4 was manually annotated 2 times for cluster AS1.
•Start number 5 was manually annotated 1 time for cluster AS1.
•Start number 7 was manually annotated 2 times for cluster AS1.

Info for manual annotations of cluster AS3:
•Start number 7 was manually annotated 4 times for cluster AS3.

Gene Information:

Gene: Abidatro_31 Start: 22312, Stop: 21824, Start Num: 5
Candidate Starts for Abidatro_31:
(3, 22471), (Start: 5 @22312 has 1 MA's), (9, 22228), (10, 22189), (11, 22135), (13, 22117), (16, 22030), (17, 21988), (23, 21865),

Gene: Andrew_34 Start: 21935, Stop: 21492, Start Num: 7
Candidate Starts for Andrew_34:
(Start: 7 @21935 has 6 MA's), (9, 21896), (11, 21803), (13, 21785), (17, 21656),

Gene: Chickaboom_35 Start: 22284, Stop: 21796, Start Num: 5
Candidate Starts for Chickaboom_35:
(Start: 5 @22284 has 1 MA's), (9, 22200), (11, 22107), (13, 22089), (14, 22080), (16, 22002), (17, 21960), (22, 21855),

Gene: Eesa_30 Start: 23082, Stop: 22555, Start Num: 4
Candidate Starts for Eesa_30:
(Start: 4 @23082 has 2 MA's), (9, 22956), (11, 22863), (12, 22854), (13, 22845), (14, 22836), (16, 22758), (19, 22704), (21, 22623), (22, 22614), (24, 22578),

Gene: Jamun_30 Start: 22194, Stop: 21670, Start Num: 4
Candidate Starts for Jamun_30:
(Start: 4 @22194 has 2 MA's), (6, 22131), (8, 22089), (9, 22071), (10, 22032), (11, 21978), (13, 21960), (16, 21873), (19, 21819), (21, 21738), (22, 21729),

Gene: Juno112_33 Start: 21973, Stop: 21530, Start Num: 7
Candidate Starts for Juno112_33:
(Start: 7 @21973 has 6 MA's), (9, 21934), (11, 21841), (13, 21823), (14, 21814), (16, 21736), (17, 21694), (20, 21619),

Gene: KHumphrey_32 Start: 21971, Stop: 21528, Start Num: 7
Candidate Starts for KHumphrey_32:
(2, 22184), (Start: 7 @21971 has 6 MA's), (9, 21932), (11, 21839), (13, 21821), (14, 21812), (16, 21734), (17, 21692), (20, 21617),

Gene: Leona_32 Start: 22041, Stop: 21598, Start Num: 7
Candidate Starts for Leona_32:
(Start: 7 @22041 has 6 MA's), (9, 22002), (11, 21909), (13, 21891), (17, 21762),

Gene: Orcanus_31 Start: 22765, Stop: 22325, Start Num: 7
Candidate Starts for Orcanus_31:
(Start: 7 @22765 has 6 MA's), (9, 22726), (11, 22633), (13, 22615), (14, 22606), (16, 22528), (19, 22474), (21, 22393), (22, 22384), (24, 22348),

Gene: PhluffyCoco_33 Start: 21957, Stop: 21514, Start Num: 7
Candidate Starts for PhluffyCoco_33:
(Start: 7 @21957 has 6 MA's), (9, 21918), (11, 21825), (13, 21807), (14, 21798), (16, 21720), (17, 21678), (20, 21603),

Gene: RedFox_33 Start: 21970, Stop: 21527, Start Num: 7
Candidate Starts for RedFox_33:
(Start: 7 @21970 has 6 MA's), (9, 21931), (11, 21838), (13, 21820), (14, 21811), (16, 21733), (17, 21691), (20, 21616),

Gene: Renna12_32 Start: 21998, Stop: 21555, Start Num: 7
Candidate Starts for Renna12_32:
(Start: 7 @21998 has 6 MA's), (9, 21959), (11, 21866), (13, 21848), (15, 21764), (17, 21719),

Gene: TaylorSipht_31 Start: 22176, Stop: 21727, Start Num: 7
Candidate Starts for TaylorSipht_31:
(1, 22500), (Start: 7 @22176 has 6 MA's), (9, 22137), (11, 22044), (13, 22026), (16, 21939), (18, 21891), (19, 21885), (21, 21804), (22, 21795),