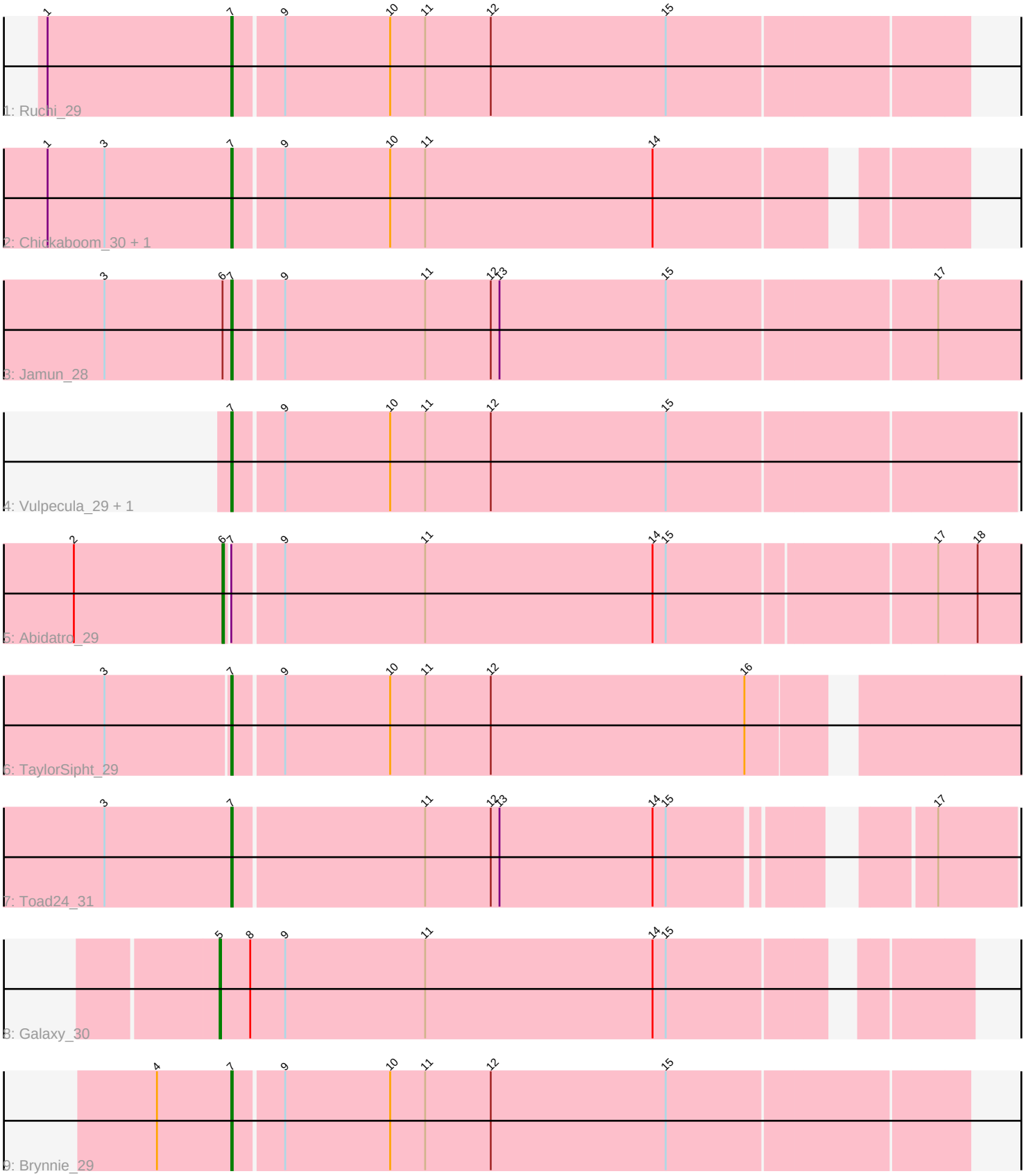
Pham 281107


1
7
9
10
11
12
15
1: Ruchi_29
1
3
7
9
10
11
14
2: Chickaboom_30 + 1
3
6
7
9
11
12
13
15
17
3: Jamun_28
7
9
10
11
12
15
4: Vulpecula_29 + 1
2
6
7
9
11
14
15
17
18
5: Abidatro_29
3
7
9
10
11
12
16
6: TaylorSipht_29
3
7
11
12
13
14
15
17
7: Toad24_31
5
8
9
11
14
15
8: Galaxy_30
4
7
9
10
11
12
15
9: Brynnie_29

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 281107 Report

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

Pham number 281107 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ruchi_29
• Track 2 : Chickaboom_30, WileyE_31
• Track 3 : Jamun_28
• Track 4 : Vulpecula_29, Basilisk_30
• Track 5 : Abidatro_29
• Track 6 : TaylorSipht_29
• Track 7 : Toad24_31
• Track 8 : Galaxy_30
• Track 9 : Brynnie_29

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Basilisk_30, Brynnie_29, Chickaboom_30, Jamun_28, Ruchi_29, TaylorSipht_29, Toad24_31, Vulpecula_29, WileyE_31,

Genes that have the "Most Annotated" start but do not call it:
• Abidatro_29,

Genes that do not have the "Most Annotated" start:
• Galaxy_30,

Summary by start number:

Start 5:
• Found in 1 of 11 (9.1%) 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: Galaxy_30 (AS1),

Start 6:

• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Abidatro_29 (AS1),

Start 7:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Basilisk_30 (AS1), Brynnie_29 (AS1), Chickaboom_30 (AS1), Jamun_28 (AS1), Ruchi_29 (AS1), TaylorSipht_29 (AS1), Toad24_31 (AS1), Vulpecula_29 (AS1), WileyE_31 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:
•Start number 5 was manually annotated 1 time for cluster AS1.
•Start number 6 was manually annotated 1 time for cluster AS1.
•Start number 7 was manually annotated 8 times for cluster AS1.

Gene Information:

Gene: Abidatro_29 Start: 21393, Stop: 20860, Start Num: 6
Candidate Starts for Abidatro_29:
(2, 21495), (Start: 6 @21393 has 1 MA's), (Start: 7 @21390 has 8 MA's), (9, 21357), (11, 21261), (14, 21105), (15, 21096), (17, 20922), (18, 20895),

Gene: Basilisk_30 Start: 22338, Stop: 21847, Start Num: 7
Candidate Starts for Basilisk_30:
(Start: 7 @22338 has 8 MA's), (9, 22305), (10, 22233), (11, 22209), (12, 22164), (15, 22044),

Gene: Brynnie_29 Start: 22216, Stop: 21725, Start Num: 7
Candidate Starts for Brynnie_29:
(4, 22267), (Start: 7 @22216 has 8 MA's), (9, 22183), (10, 22111), (11, 22087), (12, 22042), (15, 21922),

Gene: Chickaboom_30 Start: 21353, Stop: 20883, Start Num: 7
Candidate Starts for Chickaboom_30:
(1, 21479), (3, 21440), (Start: 7 @21353 has 8 MA's), (9, 21320), (10, 21248), (11, 21224), (14, 21068),

Gene: Galaxy_30 Start: 21976, Stop: 21491, Start Num: 5
Candidate Starts for Galaxy_30:
(Start: 5 @21976 has 1 MA's), (8, 21955), (9, 21931), (11, 21835), (14, 21679), (15, 21670),

Gene: Jamun_28 Start: 21237, Stop: 20692, Start Num: 7
Candidate Starts for Jamun_28:
(3, 21321), (Start: 6 @21240 has 1 MA's), (Start: 7 @21237 has 8 MA's), (9, 21204), (11, 21108), (12, 21063), (13, 21057), (15, 20943), (17, 20766),

Gene: Ruchi_29 Start: 22284, Stop: 21793, Start Num: 7
Candidate Starts for Ruchi_29:
(1, 22410), (Start: 7 @22284 has 8 MA's), (9, 22251), (10, 22179), (11, 22155), (12, 22110), (15, 21990),

Gene: TaylorSipht_29 Start: 21289, Stop: 20720, Start Num: 7
Candidate Starts for TaylorSipht_29:
(3, 21373), (Start: 7 @21289 has 8 MA's), (9, 21256), (10, 21184), (11, 21160), (12, 21115), (16, 20941),

Gene: Toad24_31 Start: 22325, Stop: 21831, Start Num: 7
Candidate Starts for Toad24_31:
(3, 22412), (Start: 7 @22325 has 8 MA's), (11, 22196), (12, 22151), (13, 22145), (14, 22040), (15, 22031), (17, 21884),

Gene: Vulpecula_29 Start: 21960, Stop: 21436, Start Num: 7
Candidate Starts for Vulpecula_29:
(Start: 7 @21960 has 8 MA's), (9, 21927), (10, 21855), (11, 21831), (12, 21786), (15, 21666),

Gene: WileyE_31 Start: 21353, Stop: 20883, Start Num: 7
Candidate Starts for WileyE_31:
(1, 21479), (3, 21440), (Start: 7 @21353 has 8 MA's), (9, 21320), (10, 21248), (11, 21224), (14, 21068),