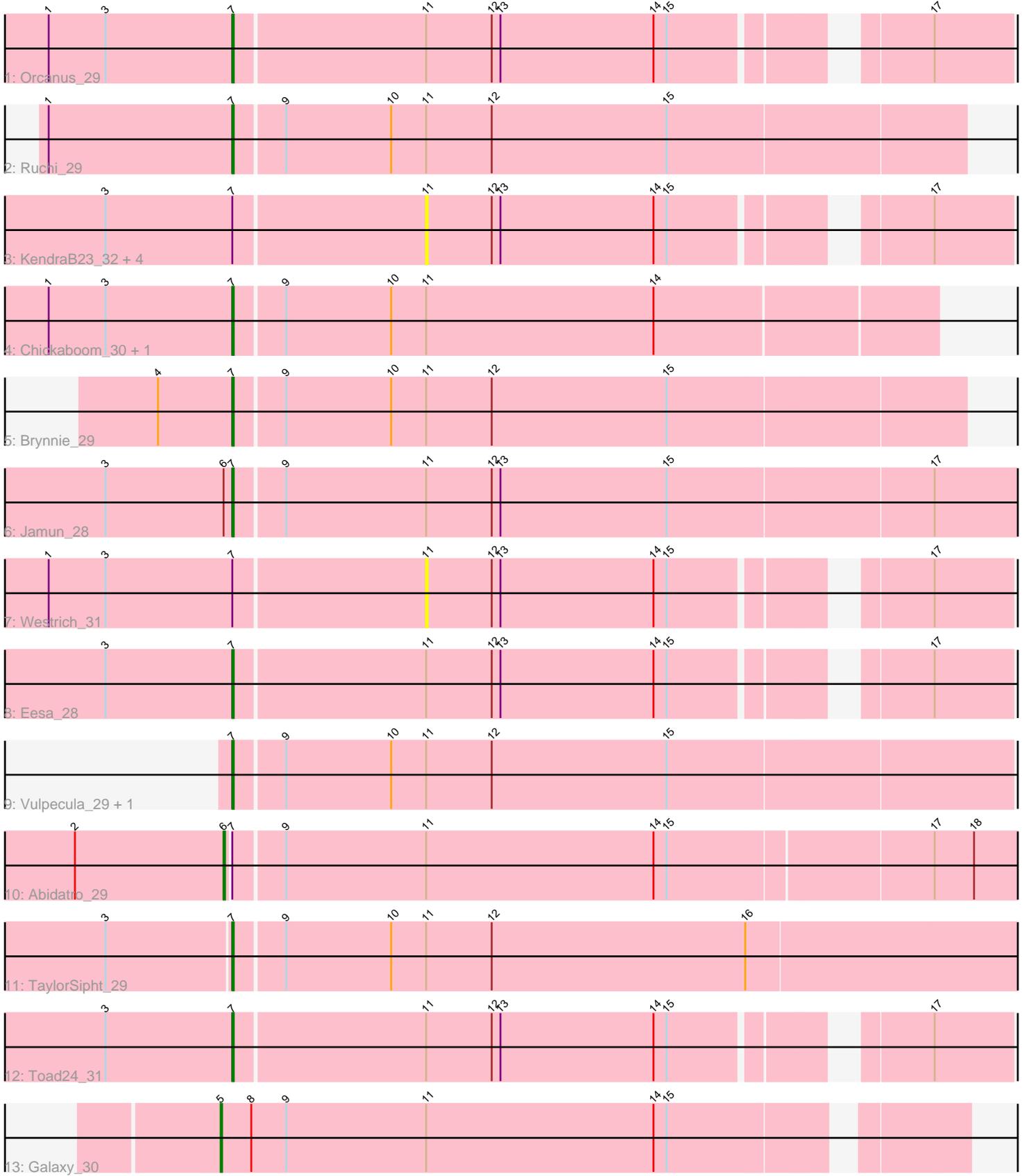


Pham 284226



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 284226 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284226 has 19 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Orcanus_29
- Track 2 : Ruchi_29
- Track 3 : KendraB23_32, Zixiang_27, Amanises_32, Gravel_31, Pelletreau_31
- Track 4 : Chickaboom_30, WileyE_31
- Track 5 : Brynnie_29
- Track 6 : Jamun_28
- Track 7 : Westrich_31
- Track 8 : Eesa_28
- Track 9 : Vulpecula_29, Basilisk_30
- Track 10 : Abidatro_29
- Track 11 : TaylorSipht_29
- Track 12 : Toad24_31
- Track 13 : Galaxy_30

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 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Basilisk_30, Brynnie_29, Chickaboom_30, Eesa_28, Jamun_28, Orcanus_29, Ruchi_29, TaylorSipht_29, Toad24_31, Vulpecula_29, WileyE_31,

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

- Abidatro_29, Amanises_32, Gravel_31, KendraB23_32, Pelletreau_31, Westrich_31, Zixiang_27,

Genes that do not have the "Most Annotated" start:

- Galaxy_30,

Summary by start number:

Start 5:

- Found in 1 of 19 (5.3%) of genes in pham

- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Galaxy_30 (AS1),

Start 6:

- Found in 2 of 19 (10.5%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Abidatro_29 (AS1),

Start 7:

- Found in 18 of 19 (94.7%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 61.1% of time when present
- Phage (with cluster) where this start called: Basilisk_30 (AS1), Brynnie_29 (AS1), Chickaboom_30 (AS1), Eesa_28 (AS1), Jamun_28 (AS1), Orcanus_29 (AS1), Ruchi_29 (AS1), TaylorSipht_29 (AS1), Toad24_31 (AS1), Vulpecula_29 (AS1), WileyE_31 (AS1),

Start 11:

- Found in 19 of 19 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 31.6% of time when present
- Phage (with cluster) where this start called: Amanises_32 (AS1), Gravel_31 (AS1), KendraB23_32 (AS1), Pelletreau_31 (AS1), Westrich_31 (AS1), Zixiang_27 (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 10 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 10 MA's), (9, 21357), (11, 21261), (14, 21105), (15, 21096), (17, 20922), (18, 20895),

Gene: Amanises_32 Start: 22134, Stop: 21769, Start Num: 11

Candidate Starts for Amanises_32:

(3, 22350), (Start: 7 @22263 has 10 MA's), (11, 22134), (12, 22089), (13, 22083), (14, 21978), (15, 21969), (17, 21822),

Gene: Basilisk_30 Start: 22338, Stop: 21847, Start Num: 7

Candidate Starts for Basilisk_30:

(Start: 7 @22338 has 10 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 10 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 10 MA's), (9, 21320), (10, 21248), (11, 21224), (14, 21068),

Gene: Eesa_28 Start: 22106, Stop: 21612, Start Num: 7

Candidate Starts for Eesa_28:

(3, 22193), (Start: 7 @22106 has 10 MA's), (11, 21977), (12, 21932), (13, 21926), (14, 21821), (15, 21812), (17, 21665),

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: Gravel_31 Start: 21946, Stop: 21581, Start Num: 11

Candidate Starts for Gravel_31:

(3, 22162), (Start: 7 @22075 has 10 MA's), (11, 21946), (12, 21901), (13, 21895), (14, 21790), (15, 21781), (17, 21634),

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 10 MA's), (9, 21204), (11, 21108), (12, 21063), (13, 21057), (15, 20943), (17, 20766),

Gene: KendraB23_32 Start: 22134, Stop: 21769, Start Num: 11

Candidate Starts for KendraB23_32:

(3, 22350), (Start: 7 @22263 has 10 MA's), (11, 22134), (12, 22089), (13, 22083), (14, 21978), (15, 21969), (17, 21822),

Gene: Orcanus_29 Start: 21876, Stop: 21382, Start Num: 7

Candidate Starts for Orcanus_29:

(1, 22002), (3, 21963), (Start: 7 @21876 has 10 MA's), (11, 21747), (12, 21702), (13, 21696), (14, 21591), (15, 21582), (17, 21435),

Gene: Pelletreau_31 Start: 21946, Stop: 21581, Start Num: 11

Candidate Starts for Pelletreau_31:

(3, 22162), (Start: 7 @22075 has 10 MA's), (11, 21946), (12, 21901), (13, 21895), (14, 21790), (15, 21781), (17, 21634),

Gene: Ruchi_29 Start: 22284, Stop: 21793, Start Num: 7

Candidate Starts for Ruchi_29:

(1, 22410), (Start: 7 @22284 has 10 MA's), (9, 22251), (10, 22179), (11, 22155), (12, 22110), (15, 21990),

Gene: TaylorSipt_29 Start: 21289, Stop: 20720, Start Num: 7

Candidate Starts for TaylorSipt_29:

(3, 21373), (Start: 7 @21289 has 10 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 10 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 10 MA's), (9, 21927), (10, 21855), (11, 21831), (12, 21786), (15, 21666),

Gene: Westrich_31 Start: 21873, Stop: 21508, Start Num: 11

Candidate Starts for Westrich_31:

(1, 22128), (3, 22089), (Start: 7 @22002 has 10 MA's), (11, 21873), (12, 21828), (13, 21822), (14, 21717), (15, 21708), (17, 21561),

Gene: WileyE_31 Start: 21353, Stop: 20883, Start Num: 7

Candidate Starts for WileyE_31:

(1, 21479), (3, 21440), (Start: 7 @21353 has 10 MA's), (9, 21320), (10, 21248), (11, 21224), (14, 21068),

Gene: Zixiang_27 Start: 21552, Stop: 21187, Start Num: 11

Candidate Starts for Zixiang_27:

(3, 21768), (Start: 7 @21681 has 10 MA's), (11, 21552), (12, 21507), (13, 21501), (14, 21396), (15, 21387), (17, 21240),