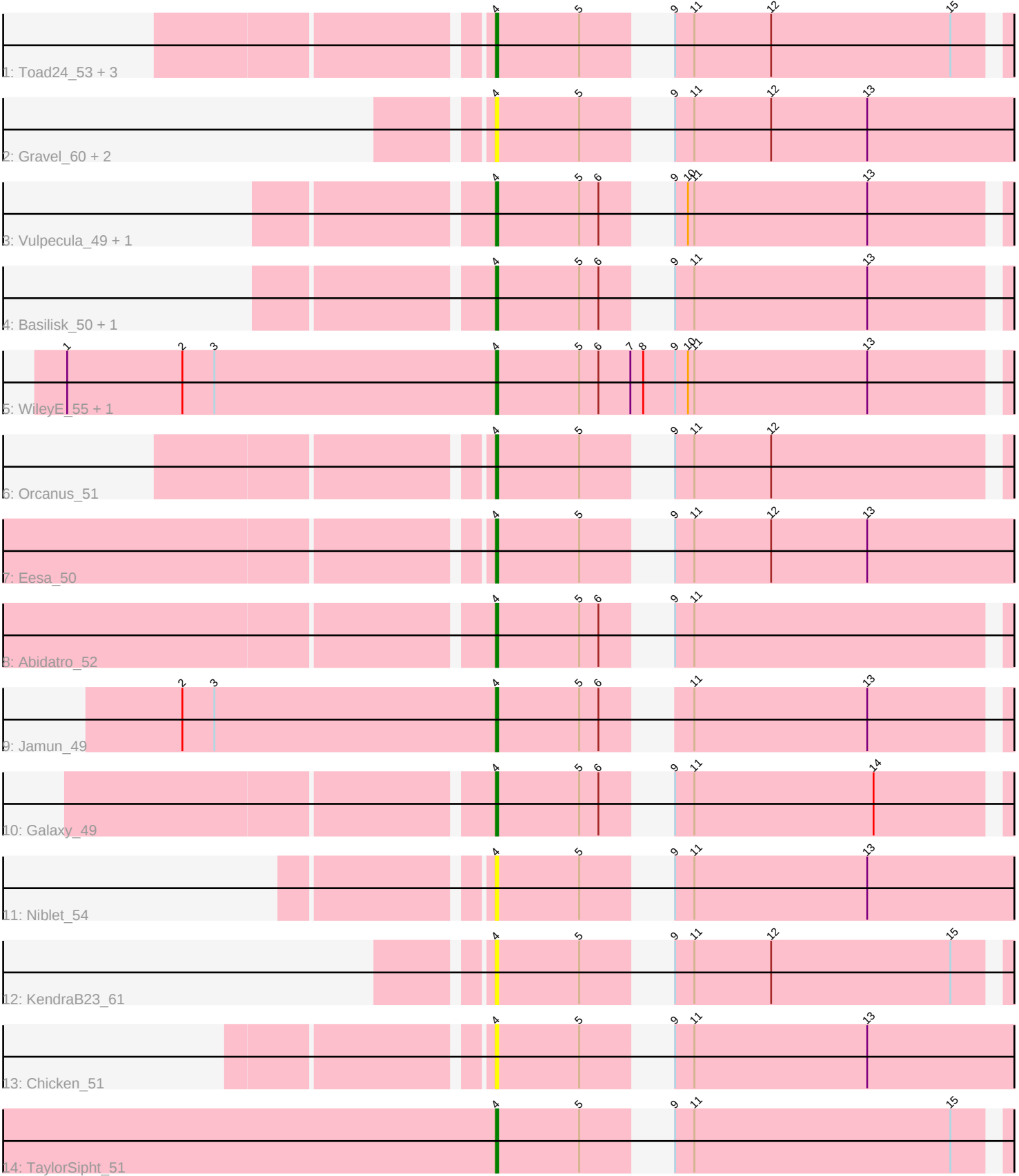


Pham 280858



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 280858 Report

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

Pham number 280858 has 22 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Toad24_53, Zixiang_54, Amanises_60, Shen_50
- Track 2 : Gravel_60, Pelletreau_60, Westrich_59
- Track 3 : Vulpecula_49, Brynnie_49
- Track 4 : Basilisk_50, Ruchi_49
- Track 5 : WileyE_55, Chickaboom_51
- Track 6 : Orcanus_51
- Track 7 : Eesa_50
- Track 8 : Abidatro_52
- Track 9 : Jamun_49
- Track 10 : Galaxy_49
- Track 11 : Niblet_54
- Track 12 : KendraB23_61
- Track 13 : Chicken_51
- Track 14 : TaylorSipht_51

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

The start number called the most often in the published annotations is 4, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_52, Amanises_60, Basilisk_50, Brynnie_49, Chickaboom_51, Chicken_51, Eesa_50, Galaxy_49, Gravel_60, Jamun_49, KendraB23_61, Niblet_54, Orcanus_51, Pelletreau_60, Ruchi_49, Shen_50, TaylorSipht_51, Toad24_53, Vulpecula_49, Westrich_59, WileyE_55, Zixiang_54,

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 4:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abidatro_52 (AS1), Amanises_60 (AS1), Basilisk_50 (AS1), Brynnie_49 (AS1), Chickaboom_51 (AS1), Chicken_51 (AS1), Eesa_50 (AS1), Galaxy_49 (AS1), Gravel_60 (AS1), Jamun_49 (AS1), KendraB23_61 (AS1), Niblet_54 (AS1), Orcanus_51 (AS1), Pelletreau_60 (AS1), Ruchi_49 (AS1), Shen_50 (AS1), TaylorSipht_51 (AS1), Toad24_53 (AS1), Vulpecula_49 (AS1), Westrich_59 (AS1), WileyE_55 (AS1), Zixiang_54 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:

- Start number 4 was manually annotated 12 times for cluster AS1.

Gene Information:

Gene: Abidatro_52 Start: 33557, Stop: 33799, Start Num: 4

Candidate Starts for Abidatro_52:

(Start: 4 @33557 has 12 MA's), (5, 33596), (6, 33605), (9, 33620), (11, 33629),

Gene: Amanises_60 Start: 34420, Stop: 34662, Start Num: 4

Candidate Starts for Amanises_60:

(Start: 4 @34420 has 12 MA's), (5, 34459), (9, 34483), (11, 34492), (12, 34528), (15, 34612),

Gene: Basilisk_50 Start: 32777, Stop: 33019, Start Num: 4

Candidate Starts for Basilisk_50:

(Start: 4 @32777 has 12 MA's), (5, 32816), (6, 32825), (9, 32840), (11, 32849), (13, 32930),

Gene: Brynnie_49 Start: 32634, Stop: 32876, Start Num: 4

Candidate Starts for Brynnie_49:

(Start: 4 @32634 has 12 MA's), (5, 32673), (6, 32682), (9, 32697), (10, 32703), (11, 32706), (13, 32787),

Gene: Chickaboom_51 Start: 33089, Stop: 33352, Start Num: 4

Candidate Starts for Chickaboom_51:

(1, 32888), (2, 32942), (3, 32957), (Start: 4 @33089 has 12 MA's), (5, 33128), (6, 33137), (7, 33152), (8, 33158), (9, 33173), (10, 33179), (11, 33182), (13, 33263),

Gene: Chicken_51 Start: 33736, Stop: 33987, Start Num: 4

Candidate Starts for Chicken_51:

(Start: 4 @33736 has 12 MA's), (5, 33775), (9, 33799), (11, 33808), (13, 33889),

Gene: Eesa_50 Start: 34151, Stop: 34402, Start Num: 4

Candidate Starts for Eesa_50:

(Start: 4 @34151 has 12 MA's), (5, 34190), (9, 34214), (11, 34223), (12, 34259), (13, 34304),

Gene: Galaxy_49 Start: 31972, Stop: 32214, Start Num: 4

Candidate Starts for Galaxy_49:

(Start: 4 @31972 has 12 MA's), (5, 32011), (6, 32020), (9, 32035), (11, 32044), (14, 32128),

Gene: Gravel_60 Start: 34235, Stop: 34486, Start Num: 4

Candidate Starts for Gravel_60:

(Start: 4 @34235 has 12 MA's), (5, 34274), (9, 34298), (11, 34307), (12, 34343), (13, 34388),

Gene: Jamun_49 Start: 33216, Stop: 33458, Start Num: 4

Candidate Starts for Jamun_49:

(2, 33069), (3, 33084), (Start: 4 @33216 has 12 MA's), (5, 33255), (6, 33264), (11, 33288), (13, 33369),

Gene: KendraB23_61 Start: 34421, Stop: 34663, Start Num: 4

Candidate Starts for KendraB23_61:

(Start: 4 @34421 has 12 MA's), (5, 34460), (9, 34484), (11, 34493), (12, 34529), (15, 34613),

Gene: Niblet_54 Start: 33823, Stop: 34074, Start Num: 4

Candidate Starts for Niblet_54:

(Start: 4 @33823 has 12 MA's), (5, 33862), (9, 33886), (11, 33895), (13, 33976),

Gene: Orcanus_51 Start: 33804, Stop: 34046, Start Num: 4

Candidate Starts for Orcanus_51:

(Start: 4 @33804 has 12 MA's), (5, 33843), (9, 33867), (11, 33876), (12, 33912),

Gene: Pelletreau_60 Start: 34235, Stop: 34486, Start Num: 4

Candidate Starts for Pelletreau_60:

(Start: 4 @34235 has 12 MA's), (5, 34274), (9, 34298), (11, 34307), (12, 34343), (13, 34388),

Gene: Ruchi_49 Start: 32699, Stop: 32941, Start Num: 4

Candidate Starts for Ruchi_49:

(Start: 4 @32699 has 12 MA's), (5, 32738), (6, 32747), (9, 32762), (11, 32771), (13, 32852),

Gene: Shen_50 Start: 32334, Stop: 32576, Start Num: 4

Candidate Starts for Shen_50:

(Start: 4 @32334 has 12 MA's), (5, 32373), (9, 32397), (11, 32406), (12, 32442), (15, 32526),

Gene: TaylorSipht_51 Start: 33344, Stop: 33586, Start Num: 4

Candidate Starts for TaylorSipht_51:

(Start: 4 @33344 has 12 MA's), (5, 33383), (9, 33407), (11, 33416), (15, 33536),

Gene: Toad24_53 Start: 34474, Stop: 34716, Start Num: 4

Candidate Starts for Toad24_53:

(Start: 4 @34474 has 12 MA's), (5, 34513), (9, 34537), (11, 34546), (12, 34582), (15, 34666),

Gene: Vulpecula_49 Start: 32359, Stop: 32601, Start Num: 4

Candidate Starts for Vulpecula_49:

(Start: 4 @32359 has 12 MA's), (5, 32398), (6, 32407), (9, 32422), (10, 32428), (11, 32431), (13, 32512),

Gene: Westrich_59 Start: 34159, Stop: 34410, Start Num: 4

Candidate Starts for Westrich_59:

(Start: 4 @34159 has 12 MA's), (5, 34198), (9, 34222), (11, 34231), (12, 34267), (13, 34312),

Gene: WileyE_55 Start: 33089, Stop: 33352, Start Num: 4

Candidate Starts for WileyE_55:

(1, 32888), (2, 32942), (3, 32957), (Start: 4 @33089 has 12 MA's), (5, 33128), (6, 33137), (7, 33152),
(8, 33158), (9, 33173), (10, 33179), (11, 33182), (13, 33263),

Gene: Zixiang_54 Start: 33838, Stop: 34080, Start Num: 4

Candidate Starts for Zixiang_54:

(Start: 4 @33838 has 12 MA's), (5, 33877), (9, 33901), (11, 33910), (12, 33946), (15, 34030),