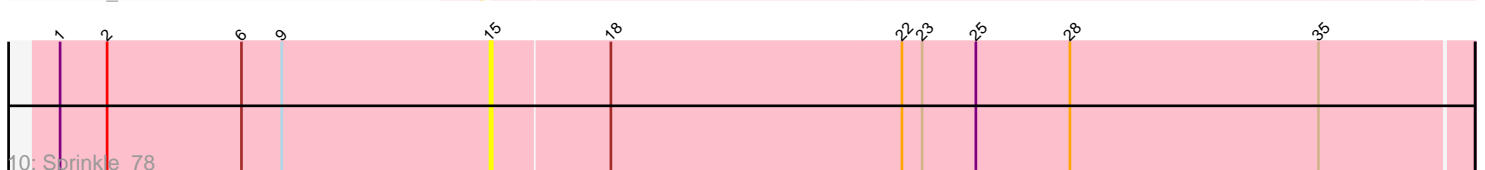
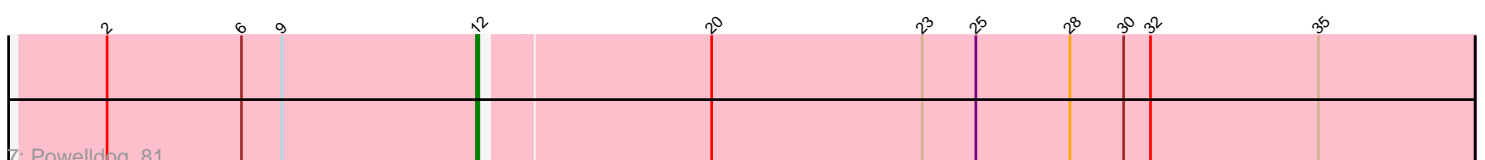
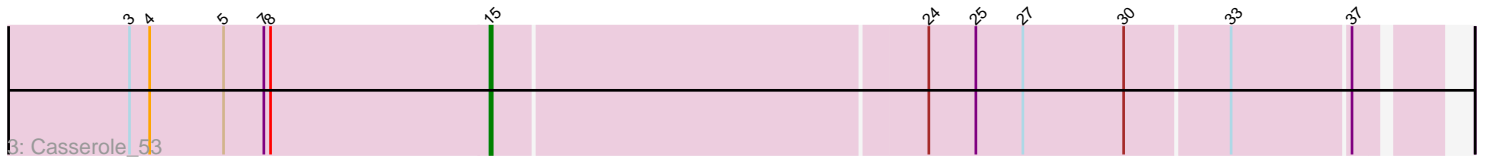
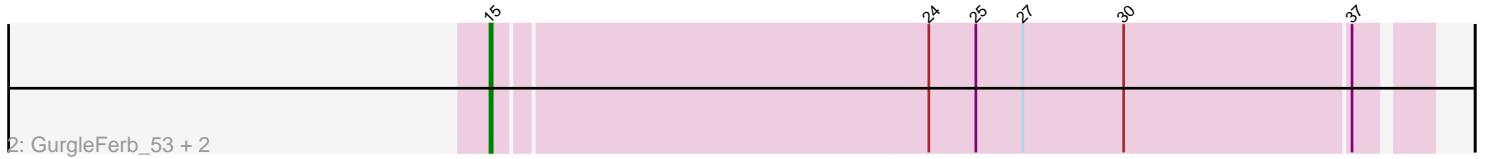
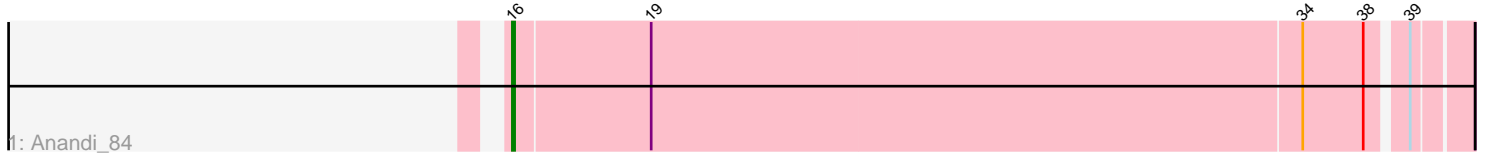


Pham 305451



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 305451 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305451 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Anandi_84
- Track 2 : GurgleFerb_53, Adat_53, Nellie_53
- Track 3 : Casserole_53
- Track 4 : Jasmine_56
- Track 5 : Brad_53
- Track 6 : Phroglets_44
- Track 7 : Powellldog_81
- Track 8 : Sporto_76
- Track 9 : Onestar_77
- Track 10 : Sprinkle_78

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adat_53, Brad_53, Casserole_53, GurgleFerb_53, Nellie_53, Sprinkle_78,

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

-

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

- Anandi_84, Jasmine_56, Onestar_77, Phroglets_44, Powellldog_81, Sporto_76,

Summary by start number:

Start 11:

- Found in 1 of 12 (8.3%) 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: Phroglets_44 (AV),

Start 12:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jasmine_56 (AV), Powellldog_81 (AW),

Start 13:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Onestar_77 (AW),

Start 14:

- Found in 1 of 12 (8.3%) 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: Sporto_76 (AW),

Start 15:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_53 (AV), Brad_53 (AV), Casserole_53 (AV), GurgleFerb_53 (AV), Nellie_53 (AV), Sprinkle_78 (AW),

Start 16:

- Found in 1 of 12 (8.3%) 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: Anandi_84 (AU4),

Summary by clusters:

There are 3 clusters represented in this pham: AU4, AW, AV,

Info for manual annotations of cluster AU4:

- Start number 16 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AV:

- Start number 11 was manually annotated 1 time for cluster AV.
- Start number 12 was manually annotated 1 time for cluster AV.
- Start number 15 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster AW:

- Start number 12 was manually annotated 1 time for cluster AW.
- Start number 14 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: Adat_53 Start: 43182, Stop: 42778, Start Num: 15

Candidate Starts for Adat_53:

(Start: 15 @43182 has 5 MA's), (24, 42993), (25, 42972), (27, 42951), (30, 42906), (37, 42807),

Gene: Anandi_84 Start: 50714, Stop: 51127, Start Num: 16

Candidate Starts for Anandi_84:

(Start: 16 @50714 has 1 MA's), (19, 50774), (34, 51062), (38, 51089), (39, 51104),

Gene: Brad_53 Start: 43174, Stop: 42776, Start Num: 15

Candidate Starts for Brad_53:

(Start: 15 @43174 has 5 MA's), (24, 42985), (25, 42964), (27, 42943), (30, 42898),

Gene: Casserole_53 Start: 44279, Stop: 43875, Start Num: 15

Candidate Starts for Casserole_53:

(3, 44435), (4, 44426), (5, 44393), (7, 44375), (8, 44372), (Start: 15 @44279 has 5 MA's), (24, 44090), (25, 44069), (27, 44048), (30, 44003), (33, 43958), (37, 43907),

Gene: GurgleFerb_53 Start: 43181, Stop: 42777, Start Num: 15

Candidate Starts for GurgleFerb_53:

(Start: 15 @43181 has 5 MA's), (24, 42992), (25, 42971), (27, 42950), (30, 42905), (37, 42806),

Gene: Jasmine_56 Start: 44695, Stop: 44300, Start Num: 12

Candidate Starts for Jasmine_56:

(Start: 12 @44695 has 2 MA's), (27, 44461), (30, 44416), (33, 44371), (37, 44320),

Gene: Nellie_53 Start: 43182, Stop: 42778, Start Num: 15

Candidate Starts for Nellie_53:

(Start: 15 @43182 has 5 MA's), (24, 42993), (25, 42972), (27, 42951), (30, 42906), (37, 42807),

Gene: Onestar_77 Start: 48716, Stop: 49147, Start Num: 13

Candidate Starts for Onestar_77:

(13, 48716), (23, 48905), (28, 48971), (30, 48995), (36, 49088),

Gene: Phroglets_44 Start: 39189, Stop: 38710, Start Num: 11

Candidate Starts for Phroglets_44:

(Start: 11 @39189 has 1 MA's), (17, 39096), (19, 39069), (26, 38922), (29, 38880), (31, 38856),

Gene: Powelldog_81 Start: 49417, Stop: 49851, Start Num: 12

Candidate Starts for Powelldog_81:

(2, 49252), (6, 49312), (9, 49330), (Start: 12 @49417 has 2 MA's), (20, 49513), (23, 49606), (25, 49630), (28, 49672), (30, 49696), (32, 49708), (35, 49783),

Gene: Sporto_76 Start: 49277, Stop: 49711, Start Num: 14

Candidate Starts for Sporto_76:

(10, 49196), (Start: 14 @49277 has 1 MA's), (18, 49328), (21, 49439), (28, 49532), (30, 49556), (35, 49643), (36, 49649),

Gene: Sprinkle_78 Start: 49214, Stop: 49645, Start Num: 15

Candidate Starts for Sprinkle_78:

(1, 49022), (2, 49043), (6, 49103), (9, 49121), (Start: 15 @49214 has 5 MA's), (18, 49265), (22, 49394), (23, 49403), (25, 49427), (28, 49469), (35, 49580),