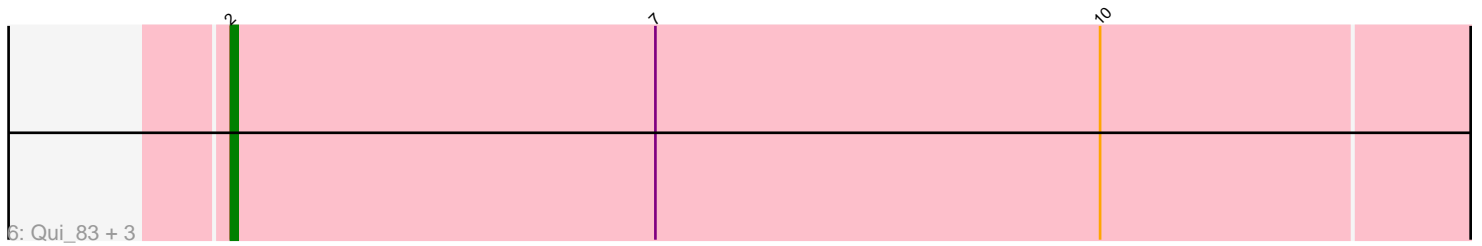
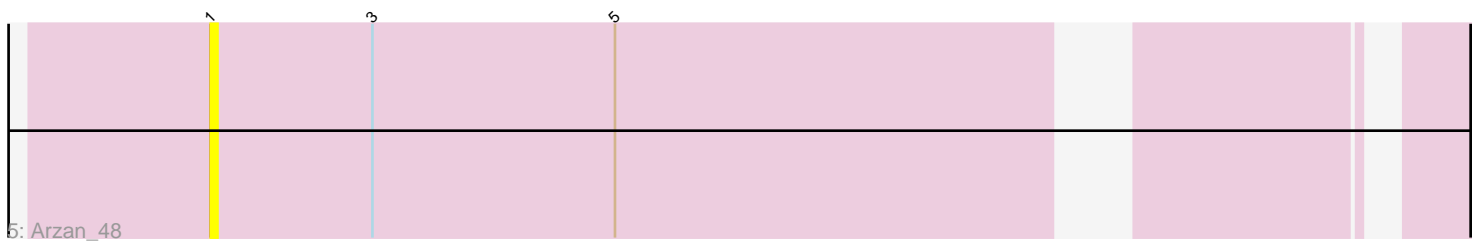
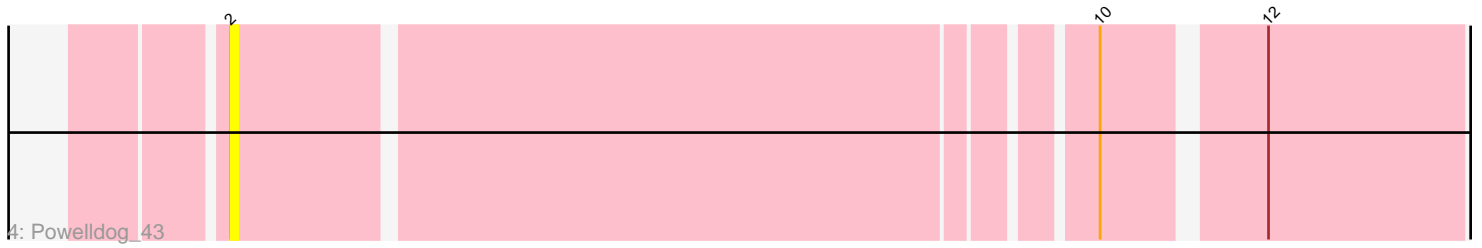
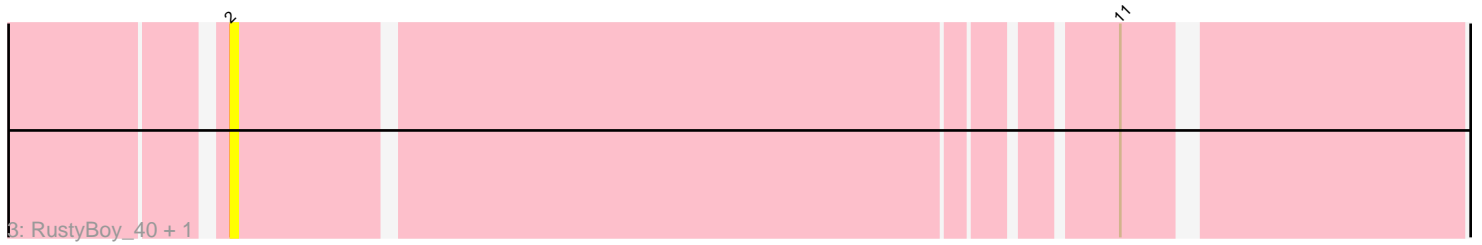
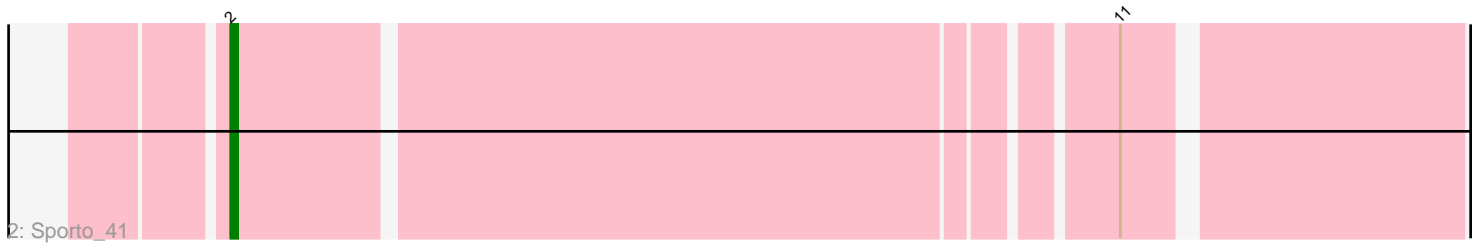


Pham 216483



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 216483 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216483 has 25 members, 9 are drafts.

Phages represented in each track:

- Track 1 : ProfFrink_40, Egad_40, Shiba_39, Stayer_40, Sloopyjoe_40, Raunak_41, Linda_40, DoctorPepper_39, BronxBay_40, HerbBucket_39, StarLord_40, Michelle_40, MrAaronian_40, Boog_39, Djungelskog_40, Salk_40
- Track 2 : Sporto_41
- Track 3 : RustyBoy_40, Natasha_40
- Track 4 : PowellDog_43
- Track 5 : Arzan_48
- Track 6 : Qui_83, Elver_80, Gandionco_79, Paella_83

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_39, BronxBay_40, Djungelskog_40, DoctorPepper_39, Egad_40, Elver_80, Gandionco_79, HerbBucket_39, Linda_40, Michelle_40, MrAaronian_40, Natasha_40, Paella_83, PowellDog_43, ProfFrink_40, Qui_83, Raunak_41, RustyBoy_40, Salk_40, Shiba_39, Sloopyjoe_40, Sporto_41, StarLord_40, Stayer_40,

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

-

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

- Arzan_48,

Summary by start number:

Start 1:

- Found in 1 of 25 (4.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_48 (FI),

Start 2:

- Found in 24 of 25 (96.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_39 (AW), BronxBay_40 (AW), Djungelskog_40 (AW), DoctorPepper_39 (AW), Egad_40 (AW), Elver_80 (FK), Gandionco_79 (FK), HerbBucket_39 (AW), Linda_40 (AW), Michelle_40 (AW), MrAaronian_40 (AW), Natasha_40 (AW), Paella_83 (FK), Powelldog_43 (AW), ProfFrink_40 (AW), Qui_83 (FK), Raunak_41 (AW), RustyBoy_40 (AW), Salk_40 (AW), Shiba_39 (AW), Sloopyjoe_40 (AW), Sporto_41 (AW), StarLord_40 (AW), Stayer_40 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AW,

Info for manual annotations of cluster AW:

- Start number 2 was manually annotated 14 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 2 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arzan_48 Start: 32418, Stop: 32612, Start Num: 1

Candidate Starts for Arzan_48:

(1, 32418), (3, 32442), (5, 32478),

Gene: Boog_39 Start: 29708, Stop: 29905, Start Num: 2

Candidate Starts for Boog_39:

(Start: 2 @29708 has 16 MA's), (4, 29747), (6, 29762), (8, 29801), (9, 29804),

Gene: BronxBay_40 Start: 30005, Stop: 30202, Start Num: 2

Candidate Starts for BronxBay_40:

(Start: 2 @30005 has 16 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Djungelskog_40 Start: 30005, Stop: 30202, Start Num: 2

Candidate Starts for Djungelskog_40:

(Start: 2 @30005 has 16 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: DoctorPepper_39 Start: 29707, Stop: 29904, Start Num: 2

Candidate Starts for DoctorPepper_39:

(Start: 2 @29707 has 16 MA's), (4, 29746), (6, 29761), (8, 29800), (9, 29803),

Gene: Egad_40 Start: 30006, Stop: 30203, Start Num: 2

Candidate Starts for Egad_40:

(Start: 2 @30006 has 16 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Elver_80 Start: 49310, Stop: 49537, Start Num: 2

Candidate Starts for Elver_80:
(Start: 2 @49310 has 16 MA's), (7, 49373), (10, 49439),

Gene: Gandionco_79 Start: 48455, Stop: 48682, Start Num: 2
Candidate Starts for Gandionco_79:
(Start: 2 @48455 has 16 MA's), (7, 48518), (10, 48584),

Gene: HerbBucket_39 Start: 29707, Stop: 29904, Start Num: 2
Candidate Starts for HerbBucket_39:
(Start: 2 @29707 has 16 MA's), (4, 29746), (6, 29761), (8, 29800), (9, 29803),

Gene: Linda_40 Start: 30000, Stop: 30197, Start Num: 2
Candidate Starts for Linda_40:
(Start: 2 @30000 has 16 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),

Gene: Michelle_40 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for Michelle_40:
(Start: 2 @30005 has 16 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: MrAaronian_40 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for MrAaronian_40:
(Start: 2 @30005 has 16 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Natasha_40 Start: 29496, Stop: 29687, Start Num: 2
Candidate Starts for Natasha_40:
(Start: 2 @29496 has 16 MA's), (11, 29619),

Gene: Paella_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Paella_83:
(Start: 2 @49903 has 16 MA's), (7, 49966), (10, 50032),

Gene: Powelldog_43 Start: 30016, Stop: 30207, Start Num: 2
Candidate Starts for Powelldog_43:
(Start: 2 @30016 has 16 MA's), (10, 30136), (12, 30157),

Gene: ProfFrink_40 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for ProfFrink_40:
(Start: 2 @30005 has 16 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Qui_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Qui_83:
(Start: 2 @49903 has 16 MA's), (7, 49966), (10, 50032),

Gene: Raunak_41 Start: 29702, Stop: 29899, Start Num: 2
Candidate Starts for Raunak_41:
(Start: 2 @29702 has 16 MA's), (4, 29741), (6, 29756), (8, 29795), (9, 29798),

Gene: RustyBoy_40 Start: 29477, Stop: 29668, Start Num: 2
Candidate Starts for RustyBoy_40:
(Start: 2 @29477 has 16 MA's), (11, 29600),

Gene: Salk_40 Start: 30000, Stop: 30197, Start Num: 2
Candidate Starts for Salk_40:

(Start: 2 @30000 has 16 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),

Gene: Shiba_39 Start: 29702, Stop: 29899, Start Num: 2

Candidate Starts for Shiba_39:

(Start: 2 @29702 has 16 MA's), (4, 29741), (6, 29756), (8, 29795), (9, 29798),

Gene: Sloopyjoe_40 Start: 30006, Stop: 30203, Start Num: 2

Candidate Starts for Sloopyjoe_40:

(Start: 2 @30006 has 16 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Sporto_41 Start: 31241, Stop: 31432, Start Num: 2

Candidate Starts for Sporto_41:

(Start: 2 @31241 has 16 MA's), (11, 31364),

Gene: StarLord_40 Start: 30006, Stop: 30203, Start Num: 2

Candidate Starts for StarLord_40:

(Start: 2 @30006 has 16 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Stayer_40 Start: 30000, Stop: 30197, Start Num: 2

Candidate Starts for Stayer_40:

(Start: 2 @30000 has 16 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),