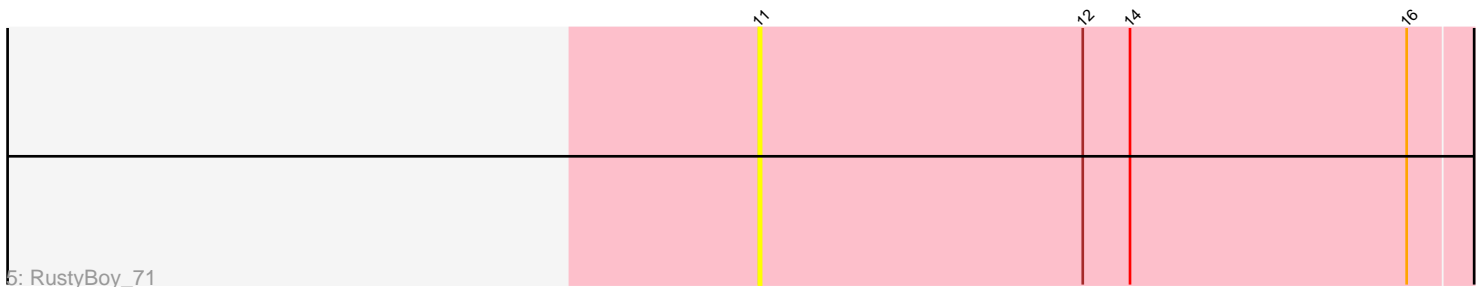
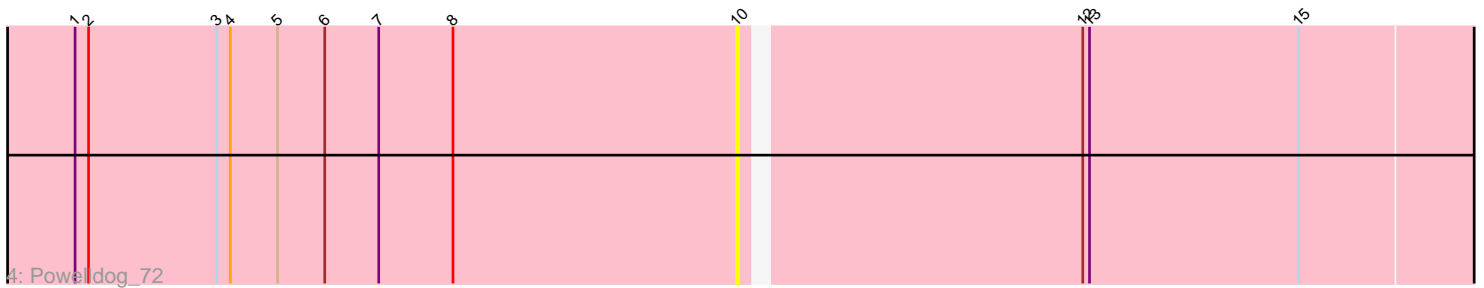
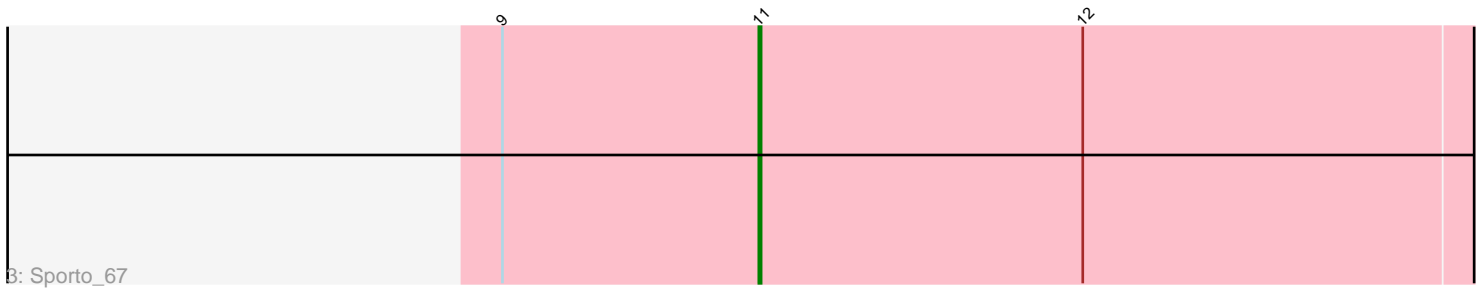
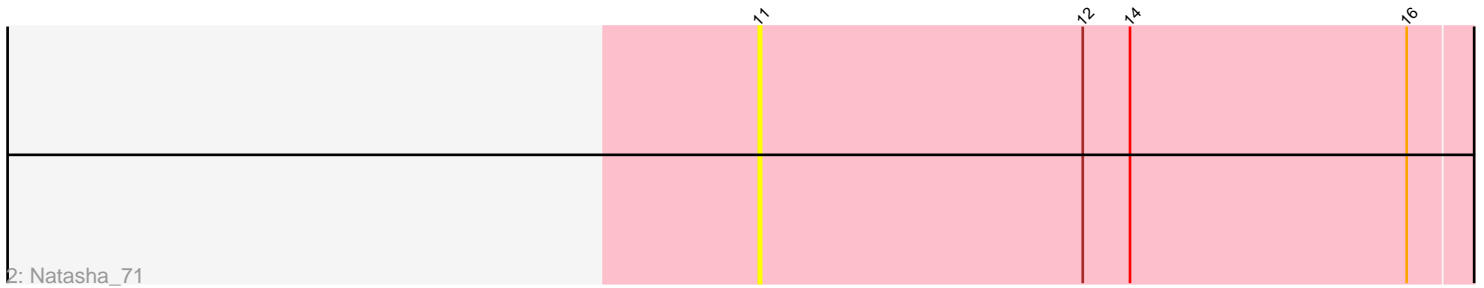
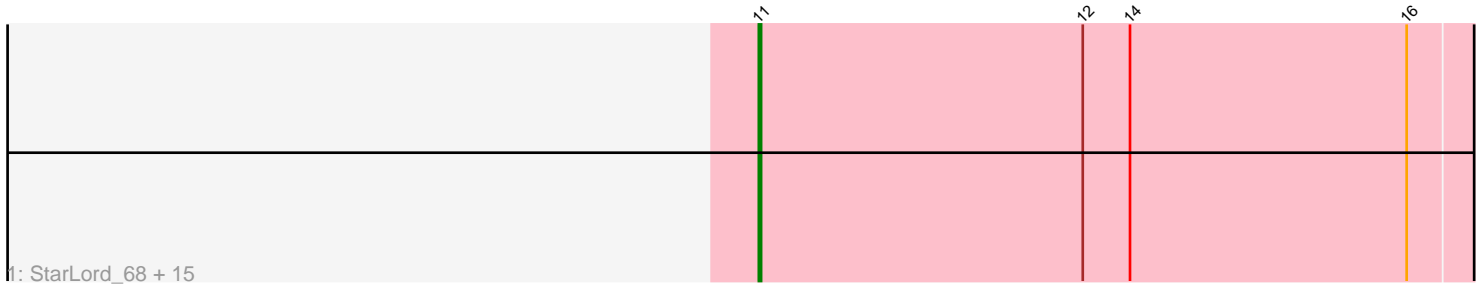


Pham 214666



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 214666 Report

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

Pham number 214666 has 20 members, 6 are drafts.

Phages represented in each track:

- Track 1 : StarLord_68, BronxBay_68, Linda_68, Boog_68, Salk_68, Michelle_68, Egad_68, HerbBucket_66, ProfFrink_68, Raunak_69, DoctorPepper_67, Shiba_67, Djungelskog_67, Stayer_68, MrAaronian_68, Sloopyjoe_68
- Track 2 : Natasha_71
- Track 3 : Sporto_67
- Track 4 : Powellldog_72
- Track 5 : RustyBoy_71

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

The start number called the most often in the published annotations is 11, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_68, BronxBay_68, Djungelskog_67, DoctorPepper_67, Egad_68, HerbBucket_66, Linda_68, Michelle_68, MrAaronian_68, Natasha_71, ProfFrink_68, Raunak_69, RustyBoy_71, Salk_68, Shiba_67, Sloopyjoe_68, Sporto_67, StarLord_68, Stayer_68,

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

-

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

- Powellldog_72,

Summary by start number:

Start 10:

- Found in 1 of 20 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Powellldog_72 (AW),

Start 11:

- Found in 19 of 20 (95.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_68 (AW), BronxBay_68 (AW), Djungelskog_67 (AW), DoctorPepper_67 (AW), Egad_68 (AW), HerbBucket_66 (AW), Linda_68 (AW), Michelle_68 (AW), MrAaronian_68 (AW), Natasha_71 (AW), ProfFrink_68 (AW), Raunak_69 (AW), RustyBoy_71 (AW), Salk_68 (AW), Shiba_67 (AW), Sloopyjoe_68 (AW), Sporto_67 (AW), StarLord_68 (AW), Stayer_68 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:

- Start number 11 was manually annotated 14 times for cluster AW.

Gene Information:

Gene: Boog_68 Start: 43689, Stop: 44018, Start Num: 11

Candidate Starts for Boog_68:

(Start: 11 @43689 has 14 MA's), (12, 43833), (14, 43854), (16, 43977),

Gene: BronxBay_68 Start: 43961, Stop: 44290, Start Num: 11

Candidate Starts for BronxBay_68:

(Start: 11 @43961 has 14 MA's), (12, 44105), (14, 44126), (16, 44249),

Gene: Djungelskog_67 Start: 43963, Stop: 44292, Start Num: 11

Candidate Starts for Djungelskog_67:

(Start: 11 @43963 has 14 MA's), (12, 44107), (14, 44128), (16, 44251),

Gene: DoctorPepper_67 Start: 43665, Stop: 43994, Start Num: 11

Candidate Starts for DoctorPepper_67:

(Start: 11 @43665 has 14 MA's), (12, 43809), (14, 43830), (16, 43953),

Gene: Egad_68 Start: 43939, Stop: 44268, Start Num: 11

Candidate Starts for Egad_68:

(Start: 11 @43939 has 14 MA's), (12, 44083), (14, 44104), (16, 44227),

Gene: HerbBucket_66 Start: 43671, Stop: 44000, Start Num: 11

Candidate Starts for HerbBucket_66:

(Start: 11 @43671 has 14 MA's), (12, 43815), (14, 43836), (16, 43959),

Gene: Linda_68 Start: 43958, Stop: 44287, Start Num: 11

Candidate Starts for Linda_68:

(Start: 11 @43958 has 14 MA's), (12, 44102), (14, 44123), (16, 44246),

Gene: Michelle_68 Start: 43960, Stop: 44289, Start Num: 11

Candidate Starts for Michelle_68:

(Start: 11 @43960 has 14 MA's), (12, 44104), (14, 44125), (16, 44248),

Gene: MrAaronian_68 Start: 43960, Stop: 44289, Start Num: 11

Candidate Starts for MrAaronian_68:
(Start: 11 @43960 has 14 MA's), (12, 44104), (14, 44125), (16, 44248),

Gene: Natasha_71 Start: 44273, Stop: 44602, Start Num: 11
Candidate Starts for Natasha_71:
(Start: 11 @44273 has 14 MA's), (12, 44417), (14, 44438), (16, 44561),

Gene: Powelldog_72 Start: 44664, Stop: 44993, Start Num: 10
Candidate Starts for Powelldog_72:
(1, 44370), (2, 44376), (3, 44433), (4, 44439), (5, 44460), (6, 44481), (7, 44505), (8, 44538), (10, 44664), (12, 44808), (13, 44811), (15, 44904),

Gene: ProfFrink_68 Start: 43938, Stop: 44267, Start Num: 11
Candidate Starts for ProfFrink_68:
(Start: 11 @43938 has 14 MA's), (12, 44082), (14, 44103), (16, 44226),

Gene: Raunak_69 Start: 43600, Stop: 43929, Start Num: 11
Candidate Starts for Raunak_69:
(Start: 11 @43600 has 14 MA's), (12, 43744), (14, 43765), (16, 43888),

Gene: RustyBoy_71 Start: 44472, Stop: 44801, Start Num: 11
Candidate Starts for RustyBoy_71:
(Start: 11 @44472 has 14 MA's), (12, 44616), (14, 44637), (16, 44760),

Gene: Salk_68 Start: 43958, Stop: 44287, Start Num: 11
Candidate Starts for Salk_68:
(Start: 11 @43958 has 14 MA's), (12, 44102), (14, 44123), (16, 44246),

Gene: Shiba_67 Start: 43616, Stop: 43945, Start Num: 11
Candidate Starts for Shiba_67:
(Start: 11 @43616 has 14 MA's), (12, 43760), (14, 43781), (16, 43904),

Gene: Sloopyjoe_68 Start: 43962, Stop: 44291, Start Num: 11
Candidate Starts for Sloopyjoe_68:
(Start: 11 @43962 has 14 MA's), (12, 44106), (14, 44127), (16, 44250),

Gene: Sporto_67 Start: 45047, Stop: 45376, Start Num: 11
Candidate Starts for Sporto_67:
(9, 44933), (Start: 11 @45047 has 14 MA's), (12, 45191),

Gene: StarLord_68 Start: 43955, Stop: 44284, Start Num: 11
Candidate Starts for StarLord_68:
(Start: 11 @43955 has 14 MA's), (12, 44099), (14, 44120), (16, 44243),

Gene: Stayer_68 Start: 43958, Stop: 44287, Start Num: 11
Candidate Starts for Stayer_68:
(Start: 11 @43958 has 14 MA's), (12, 44102), (14, 44123), (16, 44246),