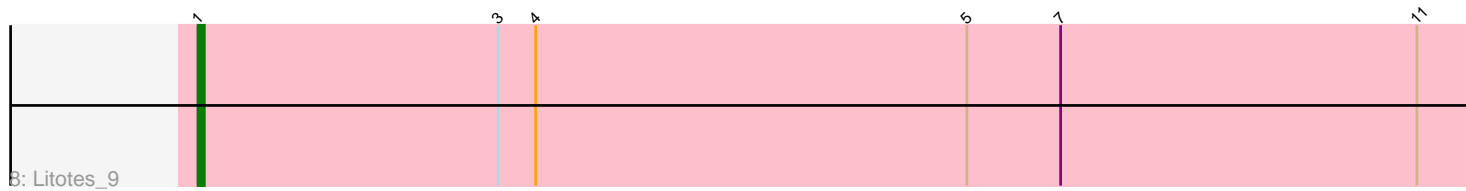
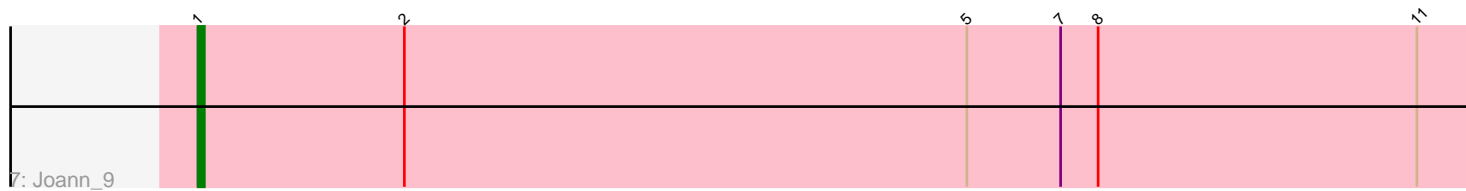
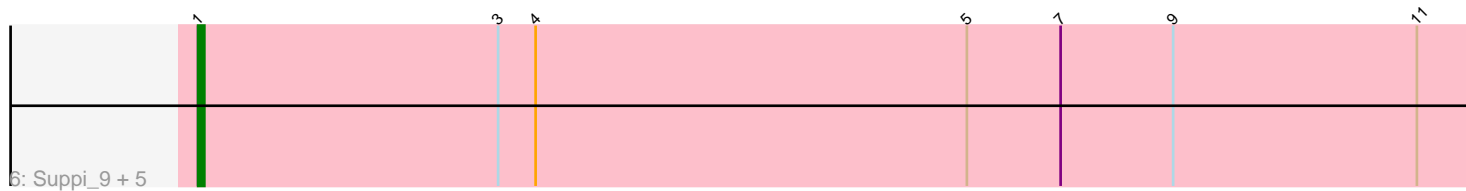
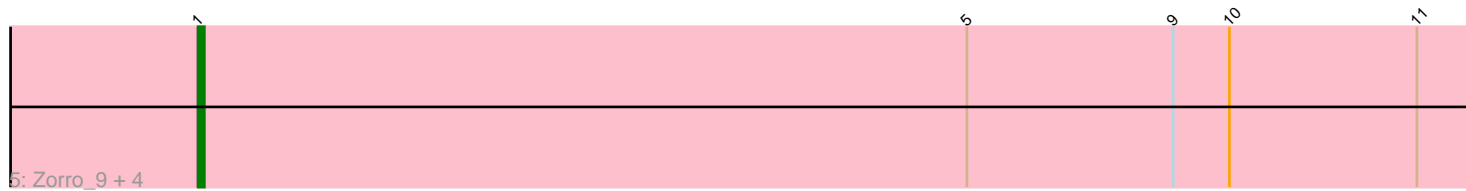
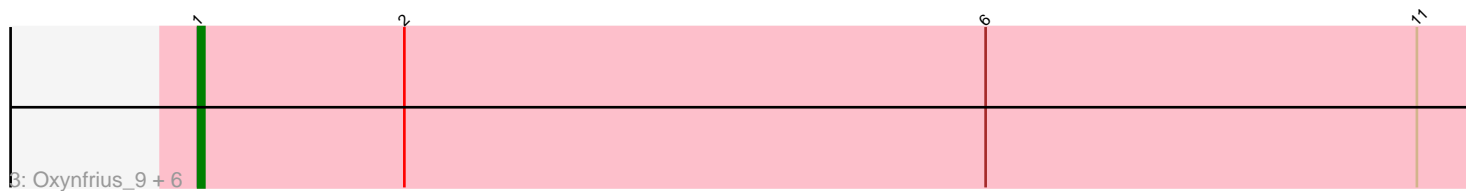
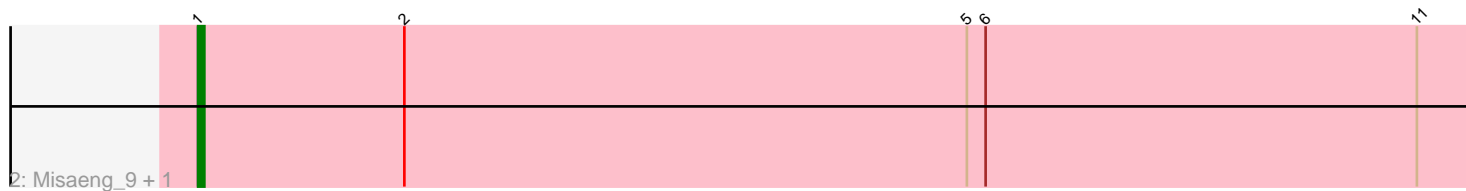
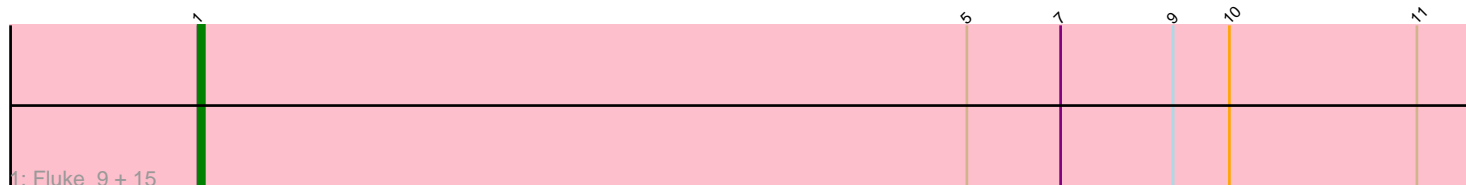


Pham 2418



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 2418 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2418 has 40 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Fluke_9, Immaculata_9, Cholula_9, Scuttle_9, Carpal_9, Potatoes_9, Savage2526_9, RAP15_9, Vallejo_9, Beethoven_9, Riverdale_9, Rozby_9, MeganNoll_9, BrotherBLo_9, MrGloopy_9, Jumboset_9
- Track 2 : Misaeng_9, Nubia_9
- Track 3 : Oxynfrius_9, Lakshmi_9, GreenHearts_9, RcigaStruga_9, Greenhouse_9, Huntingdon_9, Albanese_9
- Track 4 : Glenn_9, TattModd_9
- Track 5 : Zorro_9, Kalizoi_9, Wawa_9, Dino_9, Korra_9
- Track 6 : Suppi_9, PartyCup_9, CallieOMalley_9, Canowicakte_9, AppleCider_9, Wayne_9
- Track 7 : Joann_9
- Track 8 : Litotes_9

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

The start number called the most often in the published annotations is 1, it was called in 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Albanese_9, AppleCider_9, Beethoven_9, BrotherBLo_9, CallieOMalley_9, Canowicakte_9, Carpal_9, Cholula_9, Dino_9, Fluke_9, Glenn_9, GreenHearts_9, Greenhouse_9, Huntingdon_9, Immaculata_9, Joann_9, Jumboset_9, Kalizoi_9, Korra_9, Lakshmi_9, Litotes_9, MeganNoll_9, Misaeng_9, MrGloopy_9, Nubia_9, Oxynfrius_9, PartyCup_9, Potatoes_9, RAP15_9, RcigaStruga_9, Riverdale_9, Rozby_9, Savage2526_9, Scuttle_9, Suppi_9, TattModd_9, Vallejo_9, Wawa_9, Wayne_9, Zorro_9,

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 1:

- Found in 40 of 40 (100.0%) of genes in pham
- Manual Annotations of this start: 38 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albanese_9 (AK), AppleCider_9 (AK), Beethoven_9 (AK), BrotherBLo_9 (AK), CallieOMalley_9 (AK), Canowicakte_9 (AK), Carpal_9 (AK), Cholula_9 (AK), Dino_9 (AK), Fluke_9 (AK), Glenn_9 (AK), GreenHearts_9 (AK), Greenhouse_9 (AK), Huntingdon_9 (AK), Immaculata_9 (AK), Joann_9 (AK), Jumboset_9 (AK), Kalizoi_9 (AK), Korra_9 (AK), Lakshmi_9 (AK), Litotes_9 (AK), MeganNoll_9 (AK), Misaeng_9 (AK), MrGloopy_9 (AK), Nubia_9 (AK), Oxyntrius_9 (AK), PartyCup_9 (AK), Potatoes_9 (AK), RAP15_9 (AK), RcigaStruga_9 (AK), Riverdale_9 (AK), Rozby_9 (AK), Savage2526_9 (AK), Scuttle_9 (AK), Suppi_9 (AK), TattModd_9 (AK), Vallejo_9 (AK), Wawa_9 (AK), Wayne_9 (AK), Zorro_9 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:

- Start number 1 was manually annotated 38 times for cluster AK.

Gene Information:

Gene: Albanese_9 Start: 8786, Stop: 8989, Start Num: 1

Candidate Starts for Albanese_9:

(Start: 1 @8786 has 38 MA's), (2, 8819), (6, 8912), (11, 8981),

Gene: AppleCider_9 Start: 8731, Stop: 8934, Start Num: 1

Candidate Starts for AppleCider_9:

(Start: 1 @8731 has 38 MA's), (3, 8779), (4, 8785), (5, 8854), (7, 8869), (9, 8887), (11, 8926),

Gene: Beethoven_9 Start: 8716, Stop: 8919, Start Num: 1

Candidate Starts for Beethoven_9:

(Start: 1 @8716 has 38 MA's), (5, 8839), (7, 8854), (9, 8872), (10, 8881), (11, 8911),

Gene: BrotherBLo_9 Start: 8722, Stop: 8925, Start Num: 1

Candidate Starts for BrotherBLo_9:

(Start: 1 @8722 has 38 MA's), (5, 8845), (7, 8860), (9, 8878), (10, 8887), (11, 8917),

Gene: CallieOMalley_9 Start: 8731, Stop: 8934, Start Num: 1

Candidate Starts for CallieOMalley_9:

(Start: 1 @8731 has 38 MA's), (3, 8779), (4, 8785), (5, 8854), (7, 8869), (9, 8887), (11, 8926),

Gene: Canowicakte_9 Start: 8766, Stop: 8969, Start Num: 1

Candidate Starts for Canowicakte_9:

(Start: 1 @8766 has 38 MA's), (3, 8814), (4, 8820), (5, 8889), (7, 8904), (9, 8922), (11, 8961),

Gene: Carpal_9 Start: 8722, Stop: 8925, Start Num: 1

Candidate Starts for Carpal_9:

(Start: 1 @8722 has 38 MA's), (5, 8845), (7, 8860), (9, 8878), (10, 8887), (11, 8917),

Gene: Cholula_9 Start: 8767, Stop: 8970, Start Num: 1
Candidate Starts for Cholula_9:
(Start: 1 @8767 has 38 MA's), (5, 8890), (7, 8905), (9, 8923), (10, 8932), (11, 8962),

Gene: Dino_9 Start: 8722, Stop: 8925, Start Num: 1
Candidate Starts for Dino_9:
(Start: 1 @8722 has 38 MA's), (5, 8845), (9, 8878), (10, 8887), (11, 8917),

Gene: Fluke_9 Start: 8763, Stop: 8966, Start Num: 1
Candidate Starts for Fluke_9:
(Start: 1 @8763 has 38 MA's), (5, 8886), (7, 8901), (9, 8919), (10, 8928), (11, 8958),

Gene: Glenn_9 Start: 8773, Stop: 8976, Start Num: 1
Candidate Starts for Glenn_9:
(Start: 1 @8773 has 38 MA's), (5, 8896), (7, 8911), (10, 8938), (11, 8968),

Gene: GreenHearts_9 Start: 8786, Stop: 8989, Start Num: 1
Candidate Starts for GreenHearts_9:
(Start: 1 @8786 has 38 MA's), (2, 8819), (6, 8912), (11, 8981),

Gene: Greenhouse_9 Start: 8755, Stop: 8958, Start Num: 1
Candidate Starts for Greenhouse_9:
(Start: 1 @8755 has 38 MA's), (2, 8788), (6, 8881), (11, 8950),

Gene: Huntingdon_9 Start: 8734, Stop: 8937, Start Num: 1
Candidate Starts for Huntingdon_9:
(Start: 1 @8734 has 38 MA's), (2, 8767), (6, 8860), (11, 8929),

Gene: Immaculata_9 Start: 8767, Stop: 8970, Start Num: 1
Candidate Starts for Immaculata_9:
(Start: 1 @8767 has 38 MA's), (5, 8890), (7, 8905), (9, 8923), (10, 8932), (11, 8962),

Gene: Joann_9 Start: 8726, Stop: 8929, Start Num: 1
Candidate Starts for Joann_9:
(Start: 1 @8726 has 38 MA's), (2, 8759), (5, 8849), (7, 8864), (8, 8870), (11, 8921),

Gene: Jumboset_9 Start: 8716, Stop: 8919, Start Num: 1
Candidate Starts for Jumboset_9:
(Start: 1 @8716 has 38 MA's), (5, 8839), (7, 8854), (9, 8872), (10, 8881), (11, 8911),

Gene: Kalizoi_9 Start: 8716, Stop: 8919, Start Num: 1
Candidate Starts for Kalizoi_9:
(Start: 1 @8716 has 38 MA's), (5, 8839), (9, 8872), (10, 8881), (11, 8911),

Gene: Korra_9 Start: 8722, Stop: 8925, Start Num: 1
Candidate Starts for Korra_9:
(Start: 1 @8722 has 38 MA's), (5, 8845), (9, 8878), (10, 8887), (11, 8917),

Gene: Lakshmi_9 Start: 8762, Stop: 8965, Start Num: 1
Candidate Starts for Lakshmi_9:
(Start: 1 @8762 has 38 MA's), (2, 8795), (6, 8888), (11, 8957),

Gene: Litotes_9 Start: 8719, Stop: 8922, Start Num: 1

Candidate Starts for Litotes_9:

(Start: 1 @8719 has 38 MA's), (3, 8767), (4, 8773), (5, 8842), (7, 8857), (11, 8914),

Gene: MeganNoll_9 Start: 8773, Stop: 8976, Start Num: 1

Candidate Starts for MeganNoll_9:

(Start: 1 @8773 has 38 MA's), (5, 8896), (7, 8911), (9, 8929), (10, 8938), (11, 8968),

Gene: Misaeng_9 Start: 8799, Stop: 9002, Start Num: 1

Candidate Starts for Misaeng_9:

(Start: 1 @8799 has 38 MA's), (2, 8832), (5, 8922), (6, 8925), (11, 8994),

Gene: MrGloopy_9 Start: 8706, Stop: 8909, Start Num: 1

Candidate Starts for MrGloopy_9:

(Start: 1 @8706 has 38 MA's), (5, 8829), (7, 8844), (9, 8862), (10, 8871), (11, 8901),

Gene: Nubia_9 Start: 8722, Stop: 8925, Start Num: 1

Candidate Starts for Nubia_9:

(Start: 1 @8722 has 38 MA's), (2, 8755), (5, 8845), (6, 8848), (11, 8917),

Gene: Oxynfrius_9 Start: 8735, Stop: 8938, Start Num: 1

Candidate Starts for Oxynfrius_9:

(Start: 1 @8735 has 38 MA's), (2, 8768), (6, 8861), (11, 8930),

Gene: PartyCup_9 Start: 8766, Stop: 8969, Start Num: 1

Candidate Starts for PartyCup_9:

(Start: 1 @8766 has 38 MA's), (3, 8814), (4, 8820), (5, 8889), (7, 8904), (9, 8922), (11, 8961),

Gene: Potatoes_9 Start: 8767, Stop: 8970, Start Num: 1

Candidate Starts for Potatoes_9:

(Start: 1 @8767 has 38 MA's), (5, 8890), (7, 8905), (9, 8923), (10, 8932), (11, 8962),

Gene: RAP15_9 Start: 8773, Stop: 8976, Start Num: 1

Candidate Starts for RAP15_9:

(Start: 1 @8773 has 38 MA's), (5, 8896), (7, 8911), (9, 8929), (10, 8938), (11, 8968),

Gene: RcigaStruga_9 Start: 8734, Stop: 8937, Start Num: 1

Candidate Starts for RcigaStruga_9:

(Start: 1 @8734 has 38 MA's), (2, 8767), (6, 8860), (11, 8929),

Gene: Riverdale_9 Start: 8704, Stop: 8907, Start Num: 1

Candidate Starts for Riverdale_9:

(Start: 1 @8704 has 38 MA's), (5, 8827), (7, 8842), (9, 8860), (10, 8869), (11, 8899),

Gene: Rozby_9 Start: 8704, Stop: 8907, Start Num: 1

Candidate Starts for Rozby_9:

(Start: 1 @8704 has 38 MA's), (5, 8827), (7, 8842), (9, 8860), (10, 8869), (11, 8899),

Gene: Savage2526_9 Start: 8767, Stop: 8970, Start Num: 1

Candidate Starts for Savage2526_9:

(Start: 1 @8767 has 38 MA's), (5, 8890), (7, 8905), (9, 8923), (10, 8932), (11, 8962),

Gene: Scuttle_9 Start: 8773, Stop: 8976, Start Num: 1

Candidate Starts for Scuttle_9:

(Start: 1 @8773 has 38 MA's), (5, 8896), (7, 8911), (9, 8929), (10, 8938), (11, 8968),

Gene: Suppi_9 Start: 8766, Stop: 8969, Start Num: 1

Candidate Starts for Suppi_9:

(Start: 1 @8766 has 38 MA's), (3, 8814), (4, 8820), (5, 8889), (7, 8904), (9, 8922), (11, 8961),

Gene: TattModd_9 Start: 8767, Stop: 8970, Start Num: 1

Candidate Starts for TattModd_9:

(Start: 1 @8767 has 38 MA's), (5, 8890), (7, 8905), (10, 8932), (11, 8962),

Gene: Vallejo_9 Start: 8704, Stop: 8907, Start Num: 1

Candidate Starts for Vallejo_9:

(Start: 1 @8704 has 38 MA's), (5, 8827), (7, 8842), (9, 8860), (10, 8869), (11, 8899),

Gene: Wawa_9 Start: 8743, Stop: 8946, Start Num: 1

Candidate Starts for Wawa_9:

(Start: 1 @8743 has 38 MA's), (5, 8866), (9, 8899), (10, 8908), (11, 8938),

Gene: Wayne_9 Start: 8812, Stop: 9015, Start Num: 1

Candidate Starts for Wayne_9:

(Start: 1 @8812 has 38 MA's), (3, 8860), (4, 8866), (5, 8935), (7, 8950), (9, 8968), (11, 9007),

Gene: Zorro_9 Start: 8722, Stop: 8925, Start Num: 1

Candidate Starts for Zorro_9:

(Start: 1 @8722 has 38 MA's), (5, 8845), (9, 8878), (10, 8887), (11, 8917),