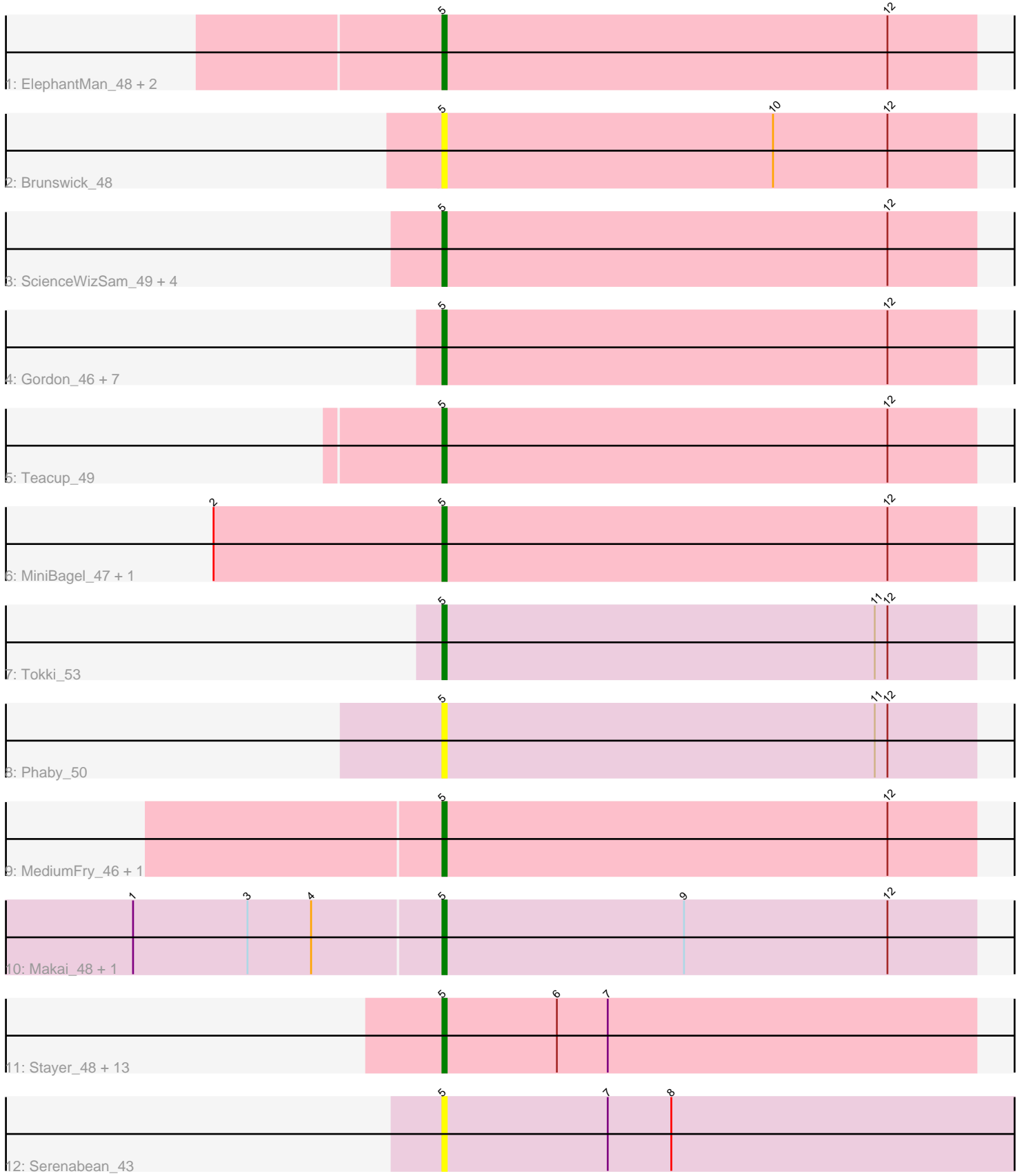


Pham 158001



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 158001 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158001 has 41 members, 10 are drafts.

Phages represented in each track:

- Track 1 : ElephantMan_48, Nightmare_50, Niktson_48
- Track 2 : Brunswick_48
- Track 3 : ScienceWizSam_49, Nivinsha_50, Tatanka_46, AreFloNak_51, DevitoJr_48
- Track 4 : Gordon_46, Caterpillar_45, Darby_47, Trustiboi_48, Breylor17_48, Tenno_49, Issa_49, CastorTray_51
- Track 5 : Teacup_49
- Track 6 : MiniBagel_47, CapnMurica_46
- Track 7 : Tokki_53
- Track 8 : Phaby_50
- Track 9 : MediumFry_46, Synopsis_47
- Track 10 : Makai_48, Truckee_46
- Track 11 : Stayer_48, Egad_48, Sloopyjoe_48, Linda_48, DoctorPepper_50, BronxBay_48, StarLord_48, Shiba_47, MrAaronian_48, Raunak_51, Michelle_48, Salk_48, ProfFrink_52, Djungelskog_48
- Track 12 : Serenabean_43

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

The start number called the most often in the published annotations is 5, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_51, Breylor17_48, BronxBay_48, Brunswick_48, CapnMurica_46, CastorTray_51, Caterpillar_45, Darby_47, DevitoJr_48, Djungelskog_48, DoctorPepper_50, Egad_48, ElephantMan_48, Gordon_46, Issa_49, Linda_48, Makai_48, MediumFry_46, Michelle_48, MiniBagel_47, MrAaronian_48, Nightmare_50, Niktson_48, Nivinsha_50, Phaby_50, ProfFrink_52, Raunak_51, Salk_48, ScienceWizSam_49, Serenabean_43, Shiba_47, Sloopyjoe_48, StarLord_48, Stayer_48, Synopsis_47, Tatanka_46, Teacup_49, Tenno_49, Tokki_53, Truckee_46, Trustiboi_48,

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 5:

- Found in 41 of 41 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_51 (AU1), Breylor17_48 (AU1), BronxBay_48 (AW), Brunswick_48 (AU1), CapnMurica_46 (AU1), CastorTray_51 (AU1), Caterpillar_45 (AU4), Darby_47 (AU1), DevitoJr_48 (AU1), Djungelskog_48 (AW), DoctorPepper_50 (AW), Egad_48 (AW), ElephantMan_48 (AU1), Gordon_46 (AU1), Issa_49 (AU1), Linda_48 (AW), Makai_48 (AU5), MediumFry_46 (AU4), Michelle_48 (AW), MiniBagel_47 (AU1), MrAaronian_48 (AW), Nightmare_50 (AU1), Niktson_48 (AU1), Nivinsha_50 (AU1), Phaby_50 (AU2), ProfFrink_52 (AW), Raunak_51 (AW), Salk_48 (AW), ScienceWizSam_49 (AU1), Serenabean_43 (singleton), Shiba_47 (AW), Sloopyjoe_48 (AW), StarLord_48 (AW), Stayer_48 (AW), Synepsis_47 (AU1), Tatanka_46 (AU1), Teacup_49 (AU1), Tenno_49 (AU1), Tokki_53 (AU2), Truckee_46 (AU5), Trustiboi_48 (AU1),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AU1, AU2, AU5, AU4, AW,

Info for manual annotations of cluster AU1:

- Start number 5 was manually annotated 15 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 5 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU4:

- Start number 5 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 5 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AW:

- Start number 5 was manually annotated 11 times for cluster AW.

Gene Information:

Gene: AreFloNak_51 Start: 34832, Stop: 34957, Start Num: 5

Candidate Starts for AreFloNak_51:

(Start: 5 @34832 has 31 MA's), (12, 34937),

Gene: Breylor17_48 Start: 35423, Stop: 35548, Start Num: 5

Candidate Starts for Breylor17_48:

(Start: 5 @35423 has 31 MA's), (12, 35528),

Gene: BronxBay_48 Start: 32581, Stop: 32706, Start Num: 5
Candidate Starts for BronxBay_48:
(Start: 5 @32581 has 31 MA's), (6, 32608), (7, 32620),

Gene: Brunswick_48 Start: 34716, Stop: 34841, Start Num: 5
Candidate Starts for Brunswick_48:
(Start: 5 @34716 has 31 MA's), (10, 34794), (12, 34821),

Gene: CapnMurica_46 Start: 35616, Stop: 35741, Start Num: 5
Candidate Starts for CapnMurica_46:
(2, 35562), (Start: 5 @35616 has 31 MA's), (12, 35721),

Gene: CastorTray_51 Start: 35487, Stop: 35612, Start Num: 5
Candidate Starts for CastorTray_51:
(Start: 5 @35487 has 31 MA's), (12, 35592),

Gene: Caterpillar_45 Start: 33882, Stop: 34007, Start Num: 5
Candidate Starts for Caterpillar_45:
(Start: 5 @33882 has 31 MA's), (12, 33987),

Gene: Darby_47 Start: 34661, Stop: 34786, Start Num: 5
Candidate Starts for Darby_47:
(Start: 5 @34661 has 31 MA's), (12, 34766),

Gene: DevitoJr_48 Start: 35053, Stop: 35178, Start Num: 5
Candidate Starts for DevitoJr_48:
(Start: 5 @35053 has 31 MA's), (12, 35158),

Gene: Djungelskog_48 Start: 32580, Stop: 32705, Start Num: 5
Candidate Starts for Djungelskog_48:
(Start: 5 @32580 has 31 MA's), (6, 32607), (7, 32619),

Gene: DoctorPepper_50 Start: 32285, Stop: 32410, Start Num: 5
Candidate Starts for DoctorPepper_50:
(Start: 5 @32285 has 31 MA's), (6, 32312), (7, 32324),

Gene: Egad_48 Start: 32582, Stop: 32707, Start Num: 5
Candidate Starts for Egad_48:
(Start: 5 @32582 has 31 MA's), (6, 32609), (7, 32621),

Gene: ElephantMan_48 Start: 35339, Stop: 35464, Start Num: 5
Candidate Starts for ElephantMan_48:
(Start: 5 @35339 has 31 MA's), (12, 35444),

Gene: Gordon_46 Start: 35478, Stop: 35603, Start Num: 5
Candidate Starts for Gordon_46:
(Start: 5 @35478 has 31 MA's), (12, 35583),

Gene: Issa_49 Start: 34704, Stop: 34829, Start Num: 5
Candidate Starts for Issa_49:
(Start: 5 @34704 has 31 MA's), (12, 34809),

Gene: Linda_48 Start: 32578, Stop: 32703, Start Num: 5

Candidate Starts for Linda_48:
(Start: 5 @32578 has 31 MA's), (6, 32605), (7, 32617),

Gene: Makai_48 Start: 34863, Stop: 34988, Start Num: 5
Candidate Starts for Makai_48:
(1, 34791), (3, 34818), (4, 34833), (Start: 5 @34863 has 31 MA's), (9, 34920), (12, 34968),

Gene: MediumFry_46 Start: 34186, Stop: 34311, Start Num: 5
Candidate Starts for MediumFry_46:
(Start: 5 @34186 has 31 MA's), (12, 34291),

Gene: Michelle_48 Start: 32580, Stop: 32705, Start Num: 5
Candidate Starts for Michelle_48:
(Start: 5 @32580 has 31 MA's), (6, 32607), (7, 32619),

Gene: MiniBagel_47 Start: 35598, Stop: 35723, Start Num: 5
Candidate Starts for MiniBagel_47:
(2, 35544), (Start: 5 @35598 has 31 MA's), (12, 35703),

Gene: MrAaronian_48 Start: 32580, Stop: 32705, Start Num: 5
Candidate Starts for MrAaronian_48:
(Start: 5 @32580 has 31 MA's), (6, 32607), (7, 32619),

Gene: Nightmare_50 Start: 35895, Stop: 36020, Start Num: 5
Candidate Starts for Nightmare_50:
(Start: 5 @35895 has 31 MA's), (12, 36000),

Gene: Niktson_48 Start: 35339, Stop: 35464, Start Num: 5
Candidate Starts for Niktson_48:
(Start: 5 @35339 has 31 MA's), (12, 35444),

Gene: Nivinsha_50 Start: 34832, Stop: 34957, Start Num: 5
Candidate Starts for Nivinsha_50:
(Start: 5 @34832 has 31 MA's), (12, 34937),

Gene: Phaby_50 Start: 35428, Stop: 35553, Start Num: 5
Candidate Starts for Phaby_50:
(Start: 5 @35428 has 31 MA's), (11, 35530), (12, 35533),

Gene: ProfFrink_52 Start: 32581, Stop: 32706, Start Num: 5
Candidate Starts for ProfFrink_52:
(Start: 5 @32581 has 31 MA's), (6, 32608), (7, 32620),

Gene: Raunak_51 Start: 32278, Stop: 32403, Start Num: 5
Candidate Starts for Raunak_51:
(Start: 5 @32278 has 31 MA's), (6, 32305), (7, 32317),

Gene: Salk_48 Start: 32578, Stop: 32703, Start Num: 5
Candidate Starts for Salk_48:
(Start: 5 @32578 has 31 MA's), (6, 32605), (7, 32617),

Gene: ScienceWizSam_49 Start: 34940, Stop: 35065, Start Num: 5
Candidate Starts for ScienceWizSam_49:

(Start: 5 @34940 has 31 MA's), (12, 35045),

Gene: Serenabean_43 Start: 31433, Stop: 31573, Start Num: 5

Candidate Starts for Serenabean_43:

(Start: 5 @31433 has 31 MA's), (7, 31472), (8, 31487),

Gene: Shiba_47 Start: 32278, Stop: 32403, Start Num: 5

Candidate Starts for Shiba_47:

(Start: 5 @32278 has 31 MA's), (6, 32305), (7, 32317),

Gene: Sloopyjoe_48 Start: 32582, Stop: 32707, Start Num: 5

Candidate Starts for Sloopyjoe_48:

(Start: 5 @32582 has 31 MA's), (6, 32609), (7, 32621),

Gene: StarLord_48 Start: 32581, Stop: 32706, Start Num: 5

Candidate Starts for StarLord_48:

(Start: 5 @32581 has 31 MA's), (6, 32608), (7, 32620),

Gene: Stayer_48 Start: 32578, Stop: 32703, Start Num: 5

Candidate Starts for Stayer_48:

(Start: 5 @32578 has 31 MA's), (6, 32605), (7, 32617),

Gene: Synopsis_47 Start: 35008, Stop: 35133, Start Num: 5

Candidate Starts for Synopsis_47:

(Start: 5 @35008 has 31 MA's), (12, 35113),

Gene: Tatanka_46 Start: 35128, Stop: 35253, Start Num: 5

Candidate Starts for Tatanka_46:

(Start: 5 @35128 has 31 MA's), (12, 35233),

Gene: Teacup_49 Start: 35368, Stop: 35493, Start Num: 5

Candidate Starts for Teacup_49:

(Start: 5 @35368 has 31 MA's), (12, 35473),

Gene: Tenno_49 Start: 35671, Stop: 35796, Start Num: 5

Candidate Starts for Tenno_49:

(Start: 5 @35671 has 31 MA's), (12, 35776),

Gene: Tokki_53 Start: 35062, Stop: 35187, Start Num: 5

Candidate Starts for Tokki_53:

(Start: 5 @35062 has 31 MA's), (11, 35164), (12, 35167),

Gene: Truckee_46 Start: 34653, Stop: 34778, Start Num: 5

Candidate Starts for Truckee_46:

(1, 34581), (3, 34608), (4, 34623), (Start: 5 @34653 has 31 MA's), (9, 34710), (12, 34758),

Gene: Trustiboi_48 Start: 35209, Stop: 35334, Start Num: 5

Candidate Starts for Trustiboi_48:

(Start: 5 @35209 has 31 MA's), (12, 35314),