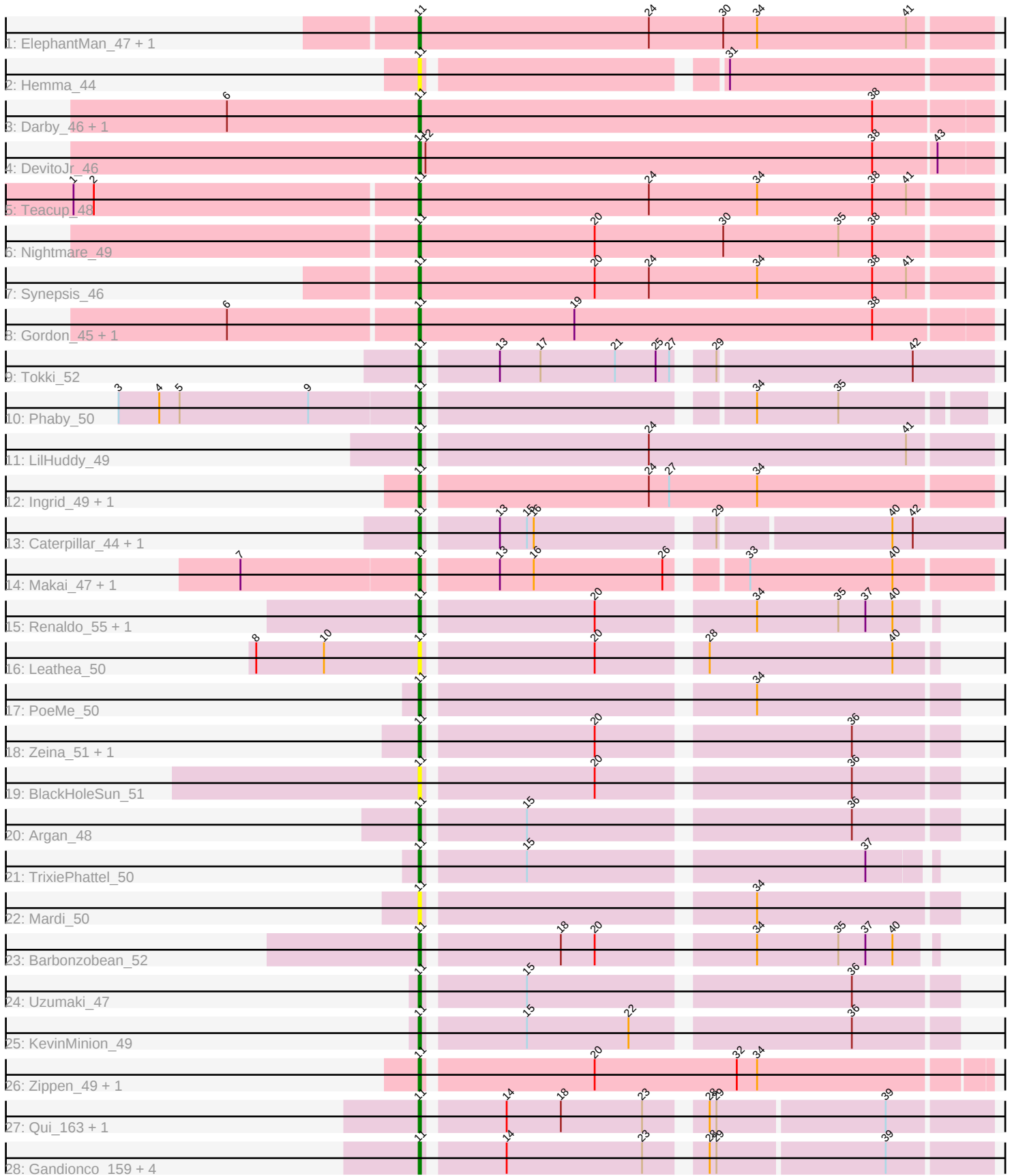


Pham 331005



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 331005 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331005 has 42 members, 8 are drafts.

Phages represented in each track:

- Track 1 : ElephantMan_47, Niktson_47
- Track 2 : Hemma_44
- Track 3 : Darby_46, Trustiboi_47
- Track 4 : DevitoJr_46
- Track 5 : Teacup_48
- Track 6 : Nightmare_49
- Track 7 : Synopsis_46
- Track 8 : Gordon_45, CastorTray_50
- Track 9 : Tokki_52
- Track 10 : Phaby_50
- Track 11 : LilHuddy_49
- Track 12 : Ingrid_49, Loretta_49
- Track 13 : Caterpillar_44, MediumFry_45
- Track 14 : Makai_47, Truckee_45
- Track 15 : Renaldo_55, Lewando_52
- Track 16 : Leatheia_50
- Track 17 : PoeMe_50
- Track 18 : Zeina_51, Tenney120_51
- Track 19 : BlackHoleSun_51
- Track 20 : Argan_48
- Track 21 : TrixiePhattel_50
- Track 22 : Mardi_50
- Track 23 : Barbonzobean_52
- Track 24 : Uzumaki_47
- Track 25 : KevinMinion_49
- Track 26 : Zippen_49, Inked_51
- Track 27 : Qui_163, Paella_163
- Track 28 : Gandionco_159, Elver_163, Kureo_158, JeNeSaisPas_163, Marianna39_159

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 34 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_48, Barbonzobean_52, BlackHoleSun_51, CastorTray_50, Caterpillar_44, Darby_46, DevitoJr_46, ElephantMan_47, Elver_163, Gandionco_159, Gordon_45, Hemma_44, Ingrid_49, Inked_51, JeNeSaisPas_163, KevinMinion_49, Kureo_158, Leatheia_50, Lewando_52, LilHuddy_49, Loretta_49, Makai_47, Mardi_50, Marianna39_159, MediumFry_45, Nightmare_49, Niktson_47, Paella_163, Phaby_50, PoeMe_50, Qui_163, Renaldo_55, Synepsis_46, Teacup_48, Tenney120_51, Tokki_52, TrixiePhattel_50, Truckee_45, Trustiboi_47, Uzumaki_47, Zeina_51, Zippen_49,

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 11:

- Found in 42 of 42 (100.0%) of genes in pham
- Manual Annotations of this start: 34 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_48 (AU6), Barbonzobean_52 (AU6), BlackHoleSun_51 (AU6), CastorTray_50 (AU1), Caterpillar_44 (AU4), Darby_46 (AU1), DevitoJr_46 (AU1), ElephantMan_47 (AU1), Elver_163 (FK), Gandionco_159 (FK), Gordon_45 (AU1), Hemma_44 (AU1), Ingrid_49 (AU3), Inked_51 (AU7), JeNeSaisPas_163 (FK), KevinMinion_49 (AU6), Kureo_158 (FK), Leatheia_50 (AU6), Lewando_52 (AU6), LilHuddy_49 (AU2), Loretta_49 (AU3), Makai_47 (AU5), Mardi_50 (AU6), Marianna39_159 (FK), MediumFry_45 (AU4), Nightmare_49 (AU1), Niktson_47 (AU1), Paella_163 (FK), Phaby_50 (AU2), PoeMe_50 (AU6), Qui_163 (FK), Renaldo_55 (AU6), Synepsis_46 (AU1), Teacup_48 (AU1), Tenney120_51 (AU6), Tokki_52 (AU2), TrixiePhattel_50 (AU6), Truckee_45 (AU5), Trustiboi_47 (AU1), Uzumaki_47 (AU6), Zeina_51 (AU6), Zippen_49 (AU7),

Summary by clusters:

There are 8 clusters represented in this pham: AU1, AU3, AU2, AU5, AU4, AU7, AU6, FK,

Info for manual annotations of cluster AU1:

- Start number 11 was manually annotated 10 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 11 was manually annotated 3 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 11 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 11 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 11 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 11 was manually annotated 9 times for cluster AU6.

Info for manual annotations of cluster AU7:

- Start number 11 was manually annotated 2 times for cluster AU7.

Info for manual annotations of cluster FK:

- Start number 11 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: Argan_48 Start: 33040, Stop: 33261, Start Num: 11

Candidate Starts for Argan_48:

(Start: 11 @33040 has 34 MA's), (15, 33082), (36, 33217),

Gene: Barbonzobean_52 Start: 34940, Stop: 35149, Start Num: 11

Candidate Starts for Barbonzobean_52:

(Start: 11 @34940 has 34 MA's), (18, 34997), (20, 35012), (34, 35075), (35, 35111), (37, 35123), (40, 35135),

Gene: BlackHoleSun_51 Start: 33165, Stop: 33386, Start Num: 11

Candidate Starts for BlackHoleSun_51:

(Start: 11 @33165 has 34 MA's), (20, 33237), (36, 33342),

Gene: CastorTray_50 Start: 35233, Stop: 35484, Start Num: 11

Candidate Starts for CastorTray_50:

(6, 35152), (Start: 11 @35233 has 34 MA's), (19, 35302), (38, 35434),

Gene: Caterpillar_44 Start: 33619, Stop: 33879, Start Num: 11

Candidate Starts for Caterpillar_44:

(Start: 11 @33619 has 34 MA's), (13, 33649), (15, 33661), (16, 33664), (29, 33736), (40, 33808), (42, 33817),

Gene: Darby_46 Start: 34407, Stop: 34658, Start Num: 11

Candidate Starts for Darby_46:

(6, 34323), (Start: 11 @34407 has 34 MA's), (38, 34608),

Gene: DevitoJr_46 Start: 34595, Stop: 34846, Start Num: 11

Candidate Starts for DevitoJr_46:

(Start: 11 @34595 has 34 MA's), (12, 34598), (38, 34796), (43, 34823),

Gene: ElephantMan_47 Start: 35085, Stop: 35336, Start Num: 11

Candidate Starts for ElephantMan_47:

(Start: 11 @35085 has 34 MA's), (24, 35187), (30, 35220), (34, 35235), (41, 35301),

Gene: Elver_163 Start: 81364, Stop: 81597, Start Num: 11

Candidate Starts for Elver_163:

(Start: 11 @81364 has 34 MA's), (14, 81397), (23, 81457), (28, 81478), (29, 81481), (39, 81553),

Gene: Gandionco_159 Start: 80444, Stop: 80677, Start Num: 11
Candidate Starts for Gandionco_159:
(Start: 11 @80444 has 34 MA's), (14, 80477), (23, 80537), (28, 80558), (29, 80561), (39, 80633),

Gene: Gordon_45 Start: 35224, Stop: 35475, Start Num: 11
Candidate Starts for Gordon_45:
(6, 35143), (Start: 11 @35224 has 34 MA's), (19, 35293), (38, 35425),

Gene: Hemma_44 Start: 31430, Stop: 31663, Start Num: 11
Candidate Starts for Hemma_44:
(Start: 11 @31430 has 34 MA's), (31, 31550),

Gene: Ingrid_49 Start: 34434, Stop: 34679, Start Num: 11
Candidate Starts for Ingrid_49:
(Start: 11 @34434 has 34 MA's), (24, 34530), (27, 34539), (34, 34578),

Gene: Inked_51 Start: 35565, Stop: 35807, Start Num: 11
Candidate Starts for Inked_51:
(Start: 11 @35565 has 34 MA's), (20, 35637), (32, 35700), (34, 35709),

Gene: JeNeSaisPas_163 Start: 81040, Stop: 81273, Start Num: 11
Candidate Starts for JeNeSaisPas_163:
(Start: 11 @81040 has 34 MA's), (14, 81073), (23, 81133), (28, 81154), (29, 81157), (39, 81229),

Gene: KevinMinion_49 Start: 33991, Stop: 34212, Start Num: 11
Candidate Starts for KevinMinion_49:
(Start: 11 @33991 has 34 MA's), (15, 34033), (22, 34078), (36, 34168),

Gene: Kureo_158 Start: 80539, Stop: 80772, Start Num: 11
Candidate Starts for Kureo_158:
(Start: 11 @80539 has 34 MA's), (14, 80572), (23, 80632), (28, 80653), (29, 80656), (39, 80728),

Gene: Leathea_50 Start: 33107, Stop: 33319, Start Num: 11
Candidate Starts for Leathea_50:
(8, 33035), (10, 33065), (Start: 11 @33107 has 34 MA's), (20, 33179), (28, 33221), (40, 33302),

Gene: Lewando_52 Start: 34682, Stop: 34891, Start Num: 11
Candidate Starts for Lewando_52:
(Start: 11 @34682 has 34 MA's), (20, 34754), (34, 34817), (35, 34853), (37, 34865), (40, 34877),

Gene: LilHuddy_49 Start: 34651, Stop: 34896, Start Num: 11
Candidate Starts for LilHuddy_49:
(Start: 11 @34651 has 34 MA's), (24, 34747), (41, 34861),

Gene: Loretta_49 Start: 34434, Stop: 34679, Start Num: 11
Candidate Starts for Loretta_49:
(Start: 11 @34434 has 34 MA's), (24, 34530), (27, 34539), (34, 34578),

Gene: Makai_47 Start: 34628, Stop: 34861, Start Num: 11
Candidate Starts for Makai_47:
(7, 34550), (Start: 11 @34628 has 34 MA's), (13, 34658), (16, 34673), (26, 34730), (33, 34757), (40, 34820),

Gene: Mardi_50 Start: 33566, Stop: 33787, Start Num: 11

Candidate Starts for Mardi_50:

(Start: 11 @33566 has 34 MA's), (34, 33701),

Gene: Marianna39_159 Start: 81049, Stop: 81282, Start Num: 11

Candidate Starts for Marianna39_159:

(Start: 11 @81049 has 34 MA's), (14, 81082), (23, 81142), (28, 81163), (29, 81166), (39, 81238),

Gene: MediumFry_45 Start: 33924, Stop: 34184, Start Num: 11

Candidate Starts for MediumFry_45:

(Start: 11 @33924 has 34 MA's), (13, 33954), (15, 33966), (16, 33969), (29, 34041), (40, 34113), (42, 34122),

Gene: Nightmare_49 Start: 35641, Stop: 35892, Start Num: 11

Candidate Starts for Nightmare_49:

(Start: 11 @35641 has 34 MA's), (20, 35719), (30, 35776), (35, 35827), (38, 35842),

Gene: Niktson_47 Start: 35085, Stop: 35336, Start Num: 11

Candidate Starts for Niktson_47:

(Start: 11 @35085 has 34 MA's), (24, 35187), (30, 35220), (34, 35235), (41, 35301),

Gene: Paella_163 Start: 82235, Stop: 82468, Start Num: 11

Candidate Starts for Paella_163:

(Start: 11 @82235 has 34 MA's), (14, 82268), (18, 82292), (23, 82328), (28, 82349), (29, 82352), (39, 82424),

Gene: Phaby_50 Start: 35195, Stop: 35422, Start Num: 11

Candidate Starts for Phaby_50:

(3, 35063), (4, 35081), (5, 35090), (9, 35147), (Start: 11 @35195 has 34 MA's), (34, 35327), (35, 35363),

Gene: PoeMe_50 Start: 33733, Stop: 33954, Start Num: 11

Candidate Starts for PoeMe_50:

(Start: 11 @33733 has 34 MA's), (34, 33868),

Gene: Qui_163 Start: 82235, Stop: 82468, Start Num: 11

Candidate Starts for Qui_163:

(Start: 11 @82235 has 34 MA's), (14, 82268), (18, 82292), (23, 82328), (28, 82349), (29, 82352), (39, 82424),

Gene: Renaldo_55 Start: 34991, Stop: 35200, Start Num: 11

Candidate Starts for Renaldo_55:

(Start: 11 @34991 has 34 MA's), (20, 35063), (34, 35126), (35, 35162), (37, 35174), (40, 35186),

Gene: Synopsis_46 Start: 34754, Stop: 35005, Start Num: 11

Candidate Starts for Synopsis_46:

(Start: 11 @34754 has 34 MA's), (20, 34832), (24, 34856), (34, 34904), (38, 34955), (41, 34970),

Gene: Teacup_48 Start: 35114, Stop: 35365, Start Num: 11

Candidate Starts for Teacup_48:

(1, 34964), (2, 34973), (Start: 11 @35114 has 34 MA's), (24, 35216), (34, 35264), (38, 35315), (41, 35330),

Gene: Tenney120_51 Start: 33775, Stop: 33996, Start Num: 11

Candidate Starts for Tenney120_51:

(Start: 11 @33775 has 34 MA's), (20, 33847), (36, 33952),

Gene: Tokki_52 Start: 34823, Stop: 35059, Start Num: 11

Candidate Starts for Tokki_52:

(Start: 11 @34823 has 34 MA's), (13, 34853), (17, 34871), (21, 34904), (25, 34922), (27, 34928), (29, 34940), (42, 35024),

Gene: TrixiePhattel_50 Start: 33138, Stop: 33347, Start Num: 11

Candidate Starts for TrixiePhattel_50:

(Start: 11 @33138 has 34 MA's), (15, 33180), (37, 33321),

Gene: Truckee_45 Start: 34418, Stop: 34651, Start Num: 11

Candidate Starts for Truckee_45:

(7, 34340), (Start: 11 @34418 has 34 MA's), (13, 34448), (16, 34463), (26, 34520), (33, 34547), (40, 34610),

Gene: Trustiboi_47 Start: 34955, Stop: 35206, Start Num: 11

Candidate Starts for Trustiboi_47:

(6, 34871), (Start: 11 @34955 has 34 MA's), (38, 35156),

Gene: Uzumaki_47 Start: 33233, Stop: 33454, Start Num: 11

Candidate Starts for Uzumaki_47:

(Start: 11 @33233 has 34 MA's), (15, 33275), (36, 33410),

Gene: Zeina_51 Start: 33783, Stop: 34004, Start Num: 11

Candidate Starts for Zeina_51:

(Start: 11 @33783 has 34 MA's), (20, 33855), (36, 33960),

Gene: Zippen_49 Start: 35264, Stop: 35506, Start Num: 11

Candidate Starts for Zippen_49:

(Start: 11 @35264 has 34 MA's), (20, 35336), (32, 35399), (34, 35408),