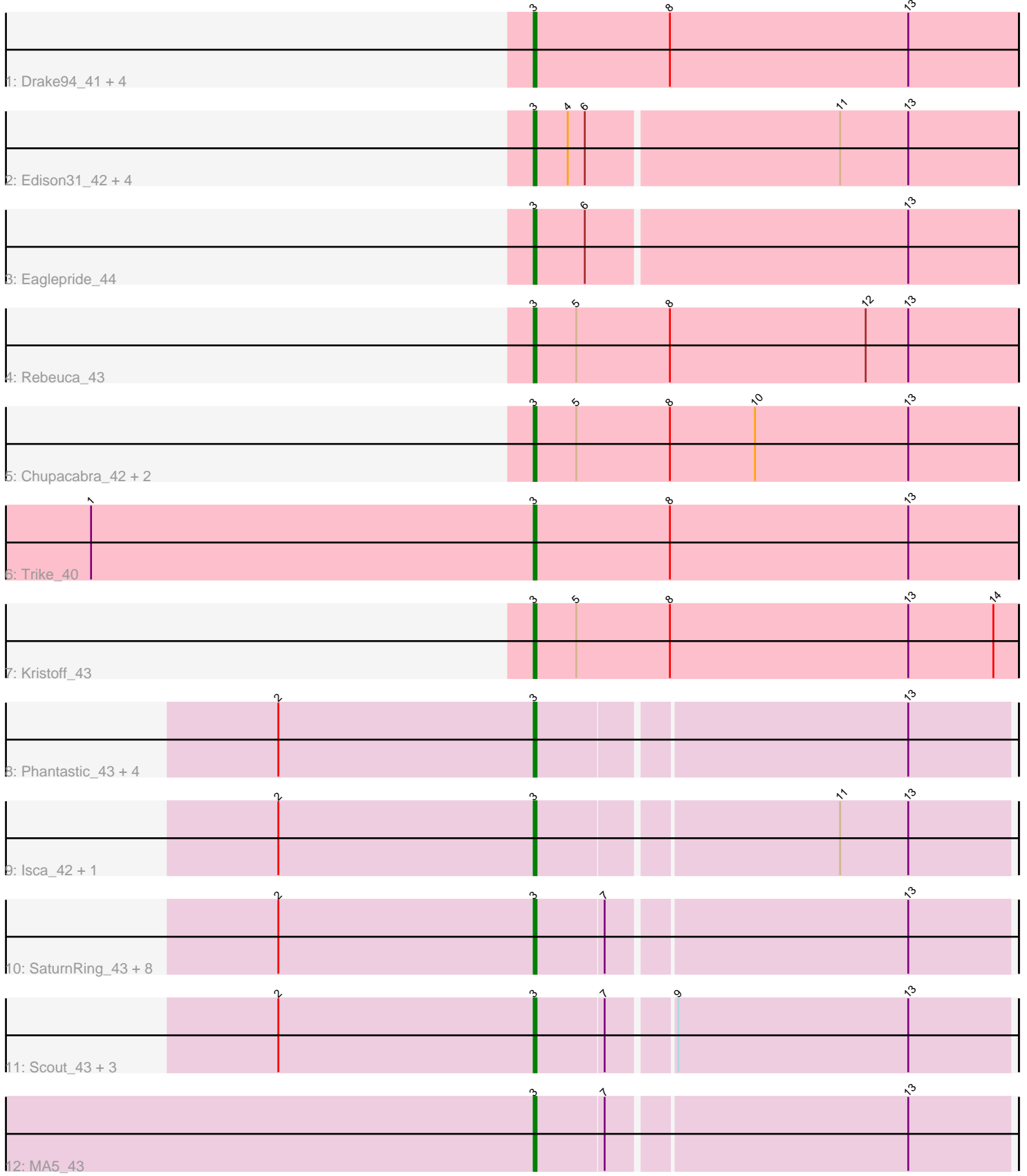


Pham 171617



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 171617 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171617 has 38 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Drake94_41, PeaceMeal1_41, Severus_41, KittenMittens_40, Poompha_42
- Track 2 : Edison31_42, Twister_41, Topanga_41, WalterMcMickey_41, RhynO_44
- Track 3 : Eaglepride_44
- Track 4 : Rebeuca_43
- Track 5 : Chupacabra_42, Goose_43, OKCentral2016_42
- Track 6 : Trike_40
- Track 7 : Kristoff_43
- Track 8 : Phantastic_43, MK4_43, B1_40, JF4_43, JF2_43
- Track 9 : Isca_42, Rockstar_43
- Track 10 : SaturnRing_43, Puppy_44, TNguyen7_43, BlueBird_44, BabyRay_43, Bugatti_43, Idleandcovert_43, Giroux_43, Pistachio_44
- Track 11 : Scout_43, HelDan_43, Heathen_43, Fred313_43
- Track 12 : MA5_43

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

The start number called the most often in the published annotations is 3, it was called in 35 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- B1_40, BabyRay_43, BlueBird_44, Bugatti_43, Chupacabra_42, Drake94_41, Eaglepride_44, Edison31_42, Fred313_43, Giroux_43, Goose_43, Heathen_43, HelDan_43, Idleandcovert_43, Isca_42, JF2_43, JF4_43, KittenMittens_40, Kristoff_43, MA5_43, MK4_43, OKCentral2016_42, PeaceMeal1_41, Phantastic_43, Pistachio_44, Poompha_42, Puppy_44, Rebeuca_43, RhynO_44, Rockstar_43, SaturnRing_43, Scout_43, Severus_41, TNguyen7_43, Topanga_41, Trike_40, Twister_41, WalterMcMickey_41,

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 3:

- Found in 38 of 38 (100.0%) of genes in pham
- Manual Annotations of this start: 35 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_40 (A3), BabyRay_43 (A3), BlueBird_44 (A3), Bugatti_43 (A3), Chupacabra_42 (A10), Drake94_41 (A10), Eaglepride_44 (A10), Edison31_42 (A10), Fred313_43 (A3), Giroux_43 (A3), Goose_43 (A10), Heathen_43 (A3), HelDan_43 (A3), Idleandcovert_43 (A3), Isca_42 (A3), JF2_43 (A3), JF4_43 (A3), KittenMittens_40 (A10), Kristoff_43 (A10), MA5_43 (A3), MK4_43 (A3), OKCentral2016_42 (A10), PeaceMeal1_41 (A10), Phantastic_43 (A3), Pistachio_44 (A3), Poompha_42 (A10), Puppy_44 (A3), Rebeuca_43 (A10), RhynO_44 (A10), Rockstar_43 (A3), SaturnRing_43 (A3), Scout_43 (A3), Severus_41 (A10), TNguyen7_43 (A3), Topanga_41 (A10), Trike_40 (A10), Twister_41 (A10), WalterMcMickey_41 (A10),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A10,

Info for manual annotations of cluster A10:

- Start number 3 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A3:

- Start number 3 was manually annotated 18 times for cluster A3.

Gene Information:

Gene: B1_40 Start: 28679, Stop: 28518, Start Num: 3

Candidate Starts for B1_40:

(2, 28769), (Start: 3 @28679 has 35 MA's), (13, 28553),

Gene: BabyRay_43 Start: 29415, Stop: 29254, Start Num: 3

Candidate Starts for BabyRay_43:

(2, 29505), (Start: 3 @29415 has 35 MA's), (7, 29391), (13, 29289),

Gene: BlueBird_44 Start: 29325, Stop: 29164, Start Num: 3

Candidate Starts for BlueBird_44:

(2, 29415), (Start: 3 @29325 has 35 MA's), (7, 29301), (13, 29199),

Gene: Bugatti_43 Start: 29325, Stop: 29164, Start Num: 3

Candidate Starts for Bugatti_43:

(2, 29415), (Start: 3 @29325 has 35 MA's), (7, 29301), (13, 29199),

Gene: Chupacabra_42 Start: 29275, Stop: 29105, Start Num: 3

Candidate Starts for Chupacabra_42:

(Start: 3 @29275 has 35 MA's), (5, 29260), (8, 29227), (10, 29197), (13, 29143),

Gene: Drake94_41 Start: 28536, Stop: 28366, Start Num: 3

Candidate Starts for Drake94_41:
(Start: 3 @28536 has 35 MA's), (8, 28488), (13, 28404),

Gene: Eaglepride_44 Start: 29372, Stop: 29205, Start Num: 3
Candidate Starts for Eaglepride_44:
(Start: 3 @29372 has 35 MA's), (6, 29354), (13, 29243),

Gene: Edison31_42 Start: 29295, Stop: 29128, Start Num: 3
Candidate Starts for Edison31_42:
(Start: 3 @29295 has 35 MA's), (4, 29283), (6, 29277), (11, 29190), (13, 29166),

Gene: Fred313_43 Start: 29077, Stop: 28916, Start Num: 3
Candidate Starts for Fred313_43:
(2, 29167), (Start: 3 @29077 has 35 MA's), (7, 29053), (9, 29032), (13, 28951),

Gene: Giroux_43 Start: 29324, Stop: 29163, Start Num: 3
Candidate Starts for Giroux_43:
(2, 29414), (Start: 3 @29324 has 35 MA's), (7, 29300), (13, 29198),

Gene: Goose_43 Start: 29079, Stop: 28909, Start Num: 3
Candidate Starts for Goose_43:
(Start: 3 @29079 has 35 MA's), (5, 29064), (8, 29031), (10, 29001), (13, 28947),

Gene: Heathen_43 Start: 29133, Stop: 28972, Start Num: 3
Candidate Starts for Heathen_43:
(2, 29223), (Start: 3 @29133 has 35 MA's), (7, 29109), (9, 29088), (13, 29007),

Gene: HelDan_43 Start: 29385, Stop: 29224, Start Num: 3
Candidate Starts for HelDan_43:
(2, 29475), (Start: 3 @29385 has 35 MA's), (7, 29361), (9, 29340), (13, 29259),

Gene: Idleandcovert_43 Start: 29325, Stop: 29164, Start Num: 3
Candidate Starts for Idleandcovert_43:
(2, 29415), (Start: 3 @29325 has 35 MA's), (7, 29301), (13, 29199),

Gene: Isca_42 Start: 28928, Stop: 28767, Start Num: 3
Candidate Starts for Isca_42:
(2, 29018), (Start: 3 @28928 has 35 MA's), (11, 28826), (13, 28802),

Gene: JF2_43 Start: 28679, Stop: 28518, Start Num: 3
Candidate Starts for JF2_43:
(2, 28769), (Start: 3 @28679 has 35 MA's), (13, 28553),

Gene: JF4_43 Start: 28679, Stop: 28518, Start Num: 3
Candidate Starts for JF4_43:
(2, 28769), (Start: 3 @28679 has 35 MA's), (13, 28553),

Gene: KittenMittens_40 Start: 28544, Stop: 28374, Start Num: 3
Candidate Starts for KittenMittens_40:
(Start: 3 @28544 has 35 MA's), (8, 28496), (13, 28412),

Gene: Kristoff_43 Start: 29647, Stop: 29477, Start Num: 3
Candidate Starts for Kristoff_43:

(Start: 3 @29647 has 35 MA's), (5, 29632), (8, 29599), (13, 29515), (14, 29485),

Gene: MA5_43 Start: 28829, Stop: 28668, Start Num: 3

Candidate Starts for MA5_43:

(Start: 3 @28829 has 35 MA's), (7, 28805), (13, 28703),

Gene: MK4_43 Start: 28913, Stop: 28752, Start Num: 3

Candidate Starts for MK4_43:

(2, 29003), (Start: 3 @28913 has 35 MA's), (13, 28787),

Gene: OKCentral2016_42 Start: 28982, Stop: 28812, Start Num: 3

Candidate Starts for OKCentral2016_42:

(Start: 3 @28982 has 35 MA's), (5, 28967), (8, 28934), (10, 28904), (13, 28850),

Gene: PeaceMeal1_41 Start: 28545, Stop: 28375, Start Num: 3

Candidate Starts for PeaceMeal1_41:

(Start: 3 @28545 has 35 MA's), (8, 28497), (13, 28413),

Gene: Phantastic_43 Start: 28944, Stop: 28783, Start Num: 3

Candidate Starts for Phantastic_43:

(2, 29034), (Start: 3 @28944 has 35 MA's), (13, 28818),

Gene: Pistachio_44 Start: 28872, Stop: 28711, Start Num: 3

Candidate Starts for Pistachio_44:

(2, 28962), (Start: 3 @28872 has 35 MA's), (7, 28848), (13, 28746),

Gene: Poompha_42 Start: 28543, Stop: 28373, Start Num: 3

Candidate Starts for Poompha_42:

(Start: 3 @28543 has 35 MA's), (8, 28495), (13, 28411),

Gene: Puppy_44 Start: 28945, Stop: 28784, Start Num: 3

Candidate Starts for Puppy_44:

(2, 29035), (Start: 3 @28945 has 35 MA's), (7, 28921), (13, 28819),

Gene: Rebeuca_43 Start: 29648, Stop: 29478, Start Num: 3

Candidate Starts for Rebeuca_43:

(Start: 3 @29648 has 35 MA's), (5, 29633), (8, 29600), (12, 29531), (13, 29516),

Gene: RhynO_44 Start: 29447, Stop: 29280, Start Num: 3

Candidate Starts for RhynO_44:

(Start: 3 @29447 has 35 MA's), (4, 29435), (6, 29429), (11, 29342), (13, 29318),

Gene: Rockstar_43 Start: 28920, Stop: 28759, Start Num: 3

Candidate Starts for Rockstar_43:

(2, 29010), (Start: 3 @28920 has 35 MA's), (11, 28818), (13, 28794),

Gene: SaturnRing_43 Start: 29325, Stop: 29164, Start Num: 3

Candidate Starts for SaturnRing_43:

(2, 29415), (Start: 3 @29325 has 35 MA's), (7, 29301), (13, 29199),

Gene: Scout_43 Start: 28632, Stop: 28471, Start Num: 3

Candidate Starts for Scout_43:

(2, 28722), (Start: 3 @28632 has 35 MA's), (7, 28608), (9, 28587), (13, 28506),

Gene: Severus_41 Start: 28543, Stop: 28373, Start Num: 3

Candidate Starts for Severus_41:

(Start: 3 @28543 has 35 MA's), (8, 28495), (13, 28411),

Gene: TNguyen7_43 Start: 29292, Stop: 29131, Start Num: 3

Candidate Starts for TNguyen7_43:

(2, 29382), (Start: 3 @29292 has 35 MA's), (7, 29268), (13, 29166),

Gene: Topanga_41 Start: 29297, Stop: 29130, Start Num: 3

Candidate Starts for Topanga_41:

(Start: 3 @29297 has 35 MA's), (4, 29285), (6, 29279), (11, 29192), (13, 29168),

Gene: Trike_40 Start: 28376, Stop: 28206, Start Num: 3

Candidate Starts for Trike_40:

(1, 28532), (Start: 3 @28376 has 35 MA's), (8, 28328), (13, 28244),

Gene: Twister_41 Start: 29208, Stop: 29041, Start Num: 3

Candidate Starts for Twister_41:

(Start: 3 @29208 has 35 MA's), (4, 29196), (6, 29190), (11, 29103), (13, 29079),

Gene: WalterMcMickey_41 Start: 29208, Stop: 29041, Start Num: 3

Candidate Starts for WalterMcMickey_41:

(Start: 3 @29208 has 35 MA's), (4, 29196), (6, 29190), (11, 29103), (13, 29079),