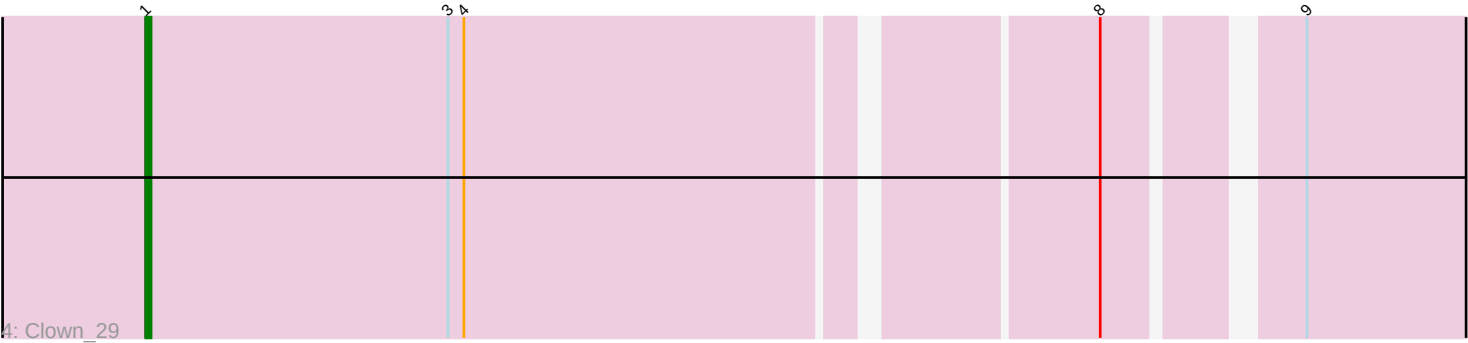
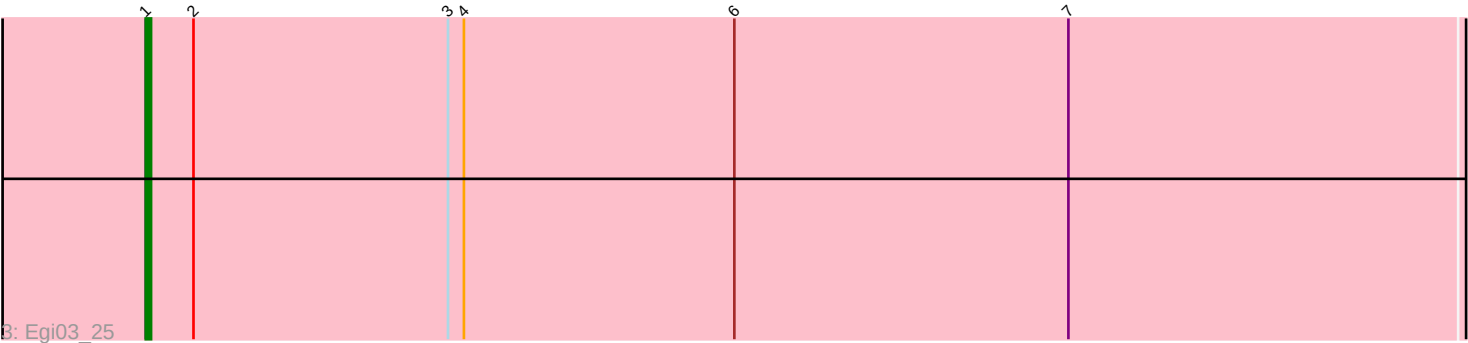
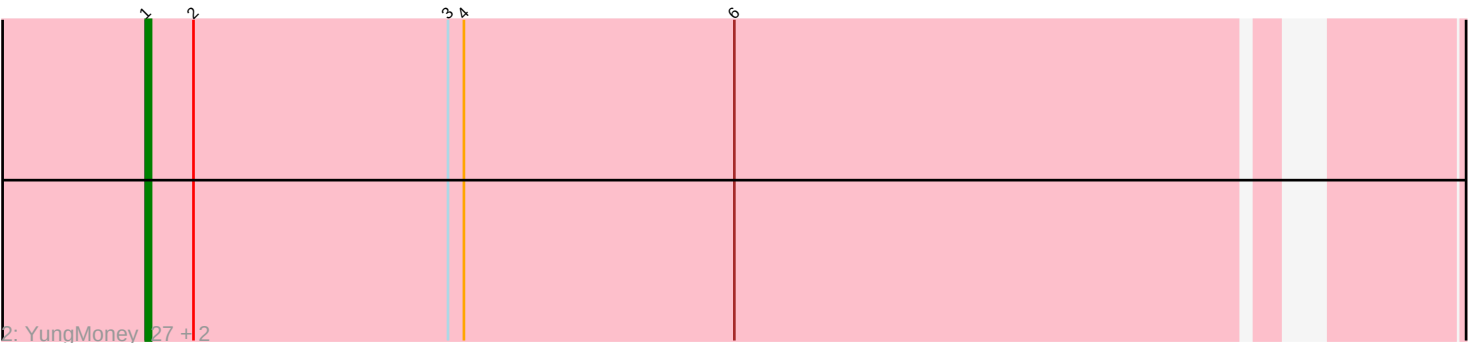
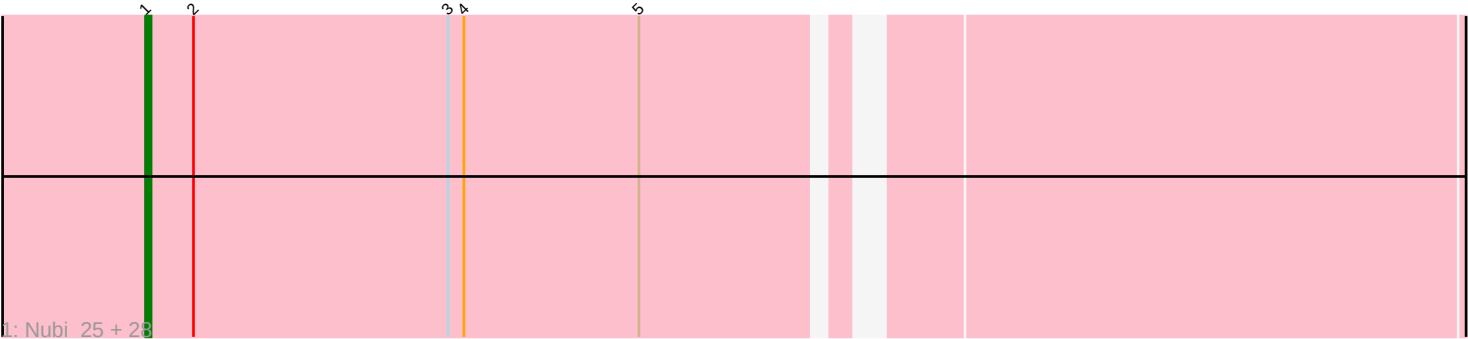




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 280678 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280678 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nubi_25, Portcullis_25, KimmyK_27, Togo_25, Halo3_26, Fireball_26, RogerDodger_28, Twister6_27, Savbucketdawg_25, Phlop_25, Danyall_27, Arri_28, Fugax_27, Evamon_25, Salvador_25, PullumCavea_25, Barb_27, Wizard_25, VanDeWege_28, Jambalaya_25, CoveyB_27, Valary_28, PinkCoffee_27, TillyBobJoe_25, ClamChowder_27, SmokingBunny_25, Gezellig_25, CherryCola_29, Shinji_25
- Track 2 : YungMoney_27, Mutzi_27, Bakery_26
- Track 3 : Egi03_25
- Track 4 : Clown_29

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_28, Bakery_26, Barb_27, CherryCola_29, ClamChowder_27, Clown_29, CoveyB_27, Danyall_27, Egi03_25, Evamon_25, Fireball_26, Fugax_27, Gezellig_25, Halo3_26, Jambalaya_25, KimmyK_27, Mutzi_27, Nubi_25, Phlop_25, PinkCoffee_27, Portcullis_25, PullumCavea_25, RogerDodger_28, Salvador_25, Savbucketdawg_25, Shinji_25, SmokingBunny_25, TillyBobJoe_25, Togo_25, Twister6_27, Valary_28, VanDeWege_28, Wizard_25, YungMoney_27,

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 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_28 (DC1), Bakery_26 (DC1), Barb_27 (DC1), CherryCola_29 (DC1), ClamChowder_27 (DC1), Clown_29 (DC2), CoveyB_27 (DC1), Danyall_27 (DC1), Egi03_25 (DC1), Evamon_25 (DC1), Fireball_26 (DC1), Fugax_27 (DC1), Gezellig_25 (DC1), Halo3_26 (DC1), Jambalaya_25 (DC1), KimmyK_27 (DC1), Mutzi_27 (DC1), Nubi_25 (DC1), Phlop_25 (DC1), PinkCoffee_27 (DC1), Portcullis_25 (DC1), PullumCavea_25 (DC1), RogerDodger_28 (DC1), Salvador_25 (DC1), Savbucketdawg_25 (DC1), Shinji_25 (DC1), SmokingBunny_25 (DC1), TillyBobJoe_25 (DC1), Togo_25 (DC1), Twister6_27 (DC1), Valary_28 (DC1), VanDeWege_28 (DC1), Wizard_25 (DC1), YungMoney_27 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DC1,

Info for manual annotations of cluster DC1:

- Start number 1 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 1 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Arri_28 Start: 17970, Stop: 18263, Start Num: 1

Candidate Starts for Arri_28:

(Start: 1 @17970 has 32 MA's), (2, 17979), (3, 18027), (4, 18030), (5, 18063),

Gene: Bakery_26 Start: 17158, Stop: 17517, Start Num: 1

Candidate Starts for Bakery_26:

(Start: 1 @17158 has 32 MA's), (2, 17167), (3, 17215), (4, 17218), (6, 17269),

Gene: Barb_27 Start: 18003, Stop: 18296, Start Num: 1

Candidate Starts for Barb_27:

(Start: 1 @18003 has 32 MA's), (2, 18012), (3, 18060), (4, 18063), (5, 18096),

Gene: CherryCola_29 Start: 18220, Stop: 18513, Start Num: 1

Candidate Starts for CherryCola_29:

(Start: 1 @18220 has 32 MA's), (2, 18229), (3, 18277), (4, 18280), (5, 18313),

Gene: ClamChowder_27 Start: 18003, Stop: 18296, Start Num: 1

Candidate Starts for ClamChowder_27:

(Start: 1 @18003 has 32 MA's), (2, 18012), (3, 18060), (4, 18063), (5, 18096),

Gene: Clown_29 Start: 19947, Stop: 20237, Start Num: 1

Candidate Starts for Clown_29:

(Start: 1 @19947 has 32 MA's), (3, 20004), (4, 20007), (8, 20118), (9, 20148),

Gene: CoveyB_27 Start: 17803, Stop: 18096, Start Num: 1

Candidate Starts for CoveyB_27:

(Start: 1 @17803 has 32 MA's), (2, 17812), (3, 17860), (4, 17863), (5, 17896),

Gene: Danyall_27 Start: 17803, Stop: 18096, Start Num: 1

Candidate Starts for Danyall_27:

(Start: 1 @17803 has 32 MA's), (2, 17812), (3, 17860), (4, 17863), (5, 17896),

Gene: Egi03_25 Start: 17432, Stop: 17815, Start Num: 1

Candidate Starts for Egi03_25:

(Start: 1 @17432 has 32 MA's), (2, 17441), (3, 17489), (4, 17492), (6, 17543), (7, 17606),

Gene: Evamon_25 Start: 17289, Stop: 17582, Start Num: 1

Candidate Starts for Evamon_25:

(Start: 1 @17289 has 32 MA's), (2, 17298), (3, 17346), (4, 17349), (5, 17382),

Gene: Fireball_26 Start: 17421, Stop: 17714, Start Num: 1

Candidate Starts for Fireball_26:

(Start: 1 @17421 has 32 MA's), (2, 17430), (3, 17478), (4, 17481), (5, 17514),

Gene: Fugax_27 Start: 18003, Stop: 18296, Start Num: 1

Candidate Starts for Fugax_27:

(Start: 1 @18003 has 32 MA's), (2, 18012), (3, 18060), (4, 18063), (5, 18096),

Gene: Gezellig_25 Start: 17421, Stop: 17714, Start Num: 1

Candidate Starts for Gezellig_25:

(Start: 1 @17421 has 32 MA's), (2, 17430), (3, 17478), (4, 17481), (5, 17514),

Gene: Halo3_26 Start: 17714, Stop: 18007, Start Num: 1

Candidate Starts for Halo3_26:

(Start: 1 @17714 has 32 MA's), (2, 17723), (3, 17771), (4, 17774), (5, 17807),

Gene: Jambalaya_25 Start: 17068, Stop: 17361, Start Num: 1

Candidate Starts for Jambalaya_25:

(Start: 1 @17068 has 32 MA's), (2, 17077), (3, 17125), (4, 17128), (5, 17161),

Gene: KimmyK_27 Start: 18003, Stop: 18296, Start Num: 1

Candidate Starts for KimmyK_27:

(Start: 1 @18003 has 32 MA's), (2, 18012), (3, 18060), (4, 18063), (5, 18096),

Gene: Mutzi_27 Start: 17666, Stop: 18037, Start Num: 1

Candidate Starts for Mutzi_27:

(Start: 1 @17666 has 32 MA's), (2, 17675), (3, 17723), (4, 17726), (6, 17777),

Gene: Nubi_25 Start: 17309, Stop: 17602, Start Num: 1

Candidate Starts for Nubi_25:

(Start: 1 @17309 has 32 MA's), (2, 17318), (3, 17366), (4, 17369), (5, 17402),

Gene: Phlop_25 Start: 17373, Stop: 17666, Start Num: 1

Candidate Starts for Phlop_25:

(Start: 1 @17373 has 32 MA's), (2, 17382), (3, 17430), (4, 17433), (5, 17466),

Gene: PinkCoffee_27 Start: 18012, Stop: 18305, Start Num: 1

Candidate Starts for PinkCoffee_27:

(Start: 1 @18012 has 32 MA's), (2, 18021), (3, 18069), (4, 18072), (5, 18105),

Gene: Portcullis_25 Start: 17316, Stop: 17609, Start Num: 1
Candidate Starts for Portcullis_25:
(Start: 1 @17316 has 32 MA's), (2, 17325), (3, 17373), (4, 17376), (5, 17409),

Gene: PullumCavea_25 Start: 17373, Stop: 17666, Start Num: 1
Candidate Starts for PullumCavea_25:
(Start: 1 @17373 has 32 MA's), (2, 17382), (3, 17430), (4, 17433), (5, 17466),

Gene: RogerDodger_28 Start: 18166, Stop: 18459, Start Num: 1
Candidate Starts for RogerDodger_28:
(Start: 1 @18166 has 32 MA's), (2, 18175), (3, 18223), (4, 18226), (5, 18259),

Gene: Salvador_25 Start: 17287, Stop: 17580, Start Num: 1
Candidate Starts for Salvador_25:
(Start: 1 @17287 has 32 MA's), (2, 17296), (3, 17344), (4, 17347), (5, 17380),

Gene: Savbucketdawg_25 Start: 17068, Stop: 17361, Start Num: 1
Candidate Starts for Savbucketdawg_25:
(Start: 1 @17068 has 32 MA's), (2, 17077), (3, 17125), (4, 17128), (5, 17161),

Gene: Shinji_25 Start: 17257, Stop: 17550, Start Num: 1
Candidate Starts for Shinji_25:
(Start: 1 @17257 has 32 MA's), (2, 17266), (3, 17314), (4, 17317), (5, 17350),

Gene: SmokingBunny_25 Start: 17287, Stop: 17580, Start Num: 1
Candidate Starts for SmokingBunny_25:
(Start: 1 @17287 has 32 MA's), (2, 17296), (3, 17344), (4, 17347), (5, 17380),

Gene: TillyBobJoe_25 Start: 17071, Stop: 17364, Start Num: 1
Candidate Starts for TillyBobJoe_25:
(Start: 1 @17071 has 32 MA's), (2, 17080), (3, 17128), (4, 17131), (5, 17164),

Gene: Togo_25 Start: 17287, Stop: 17580, Start Num: 1
Candidate Starts for Togo_25:
(Start: 1 @17287 has 32 MA's), (2, 17296), (3, 17344), (4, 17347), (5, 17380),

Gene: Twister6_27 Start: 17714, Stop: 18007, Start Num: 1
Candidate Starts for Twister6_27:
(Start: 1 @17714 has 32 MA's), (2, 17723), (3, 17771), (4, 17774), (5, 17807),

Gene: Valary_28 Start: 18220, Stop: 18513, Start Num: 1
Candidate Starts for Valary_28:
(Start: 1 @18220 has 32 MA's), (2, 18229), (3, 18277), (4, 18280), (5, 18313),

Gene: VanDeWege_28 Start: 18095, Stop: 18388, Start Num: 1
Candidate Starts for VanDeWege_28:
(Start: 1 @18095 has 32 MA's), (2, 18104), (3, 18152), (4, 18155), (5, 18188),

Gene: Wizard_25 Start: 17421, Stop: 17714, Start Num: 1
Candidate Starts for Wizard_25:
(Start: 1 @17421 has 32 MA's), (2, 17430), (3, 17478), (4, 17481), (5, 17514),

Gene: YungMoney_27 Start: 18709, Stop: 19080, Start Num: 1

Candidate Starts for YungMoney_27:

(Start: 1 @18709 has 32 MA's), (2, 18718), (3, 18766), (4, 18769), (6, 18820),