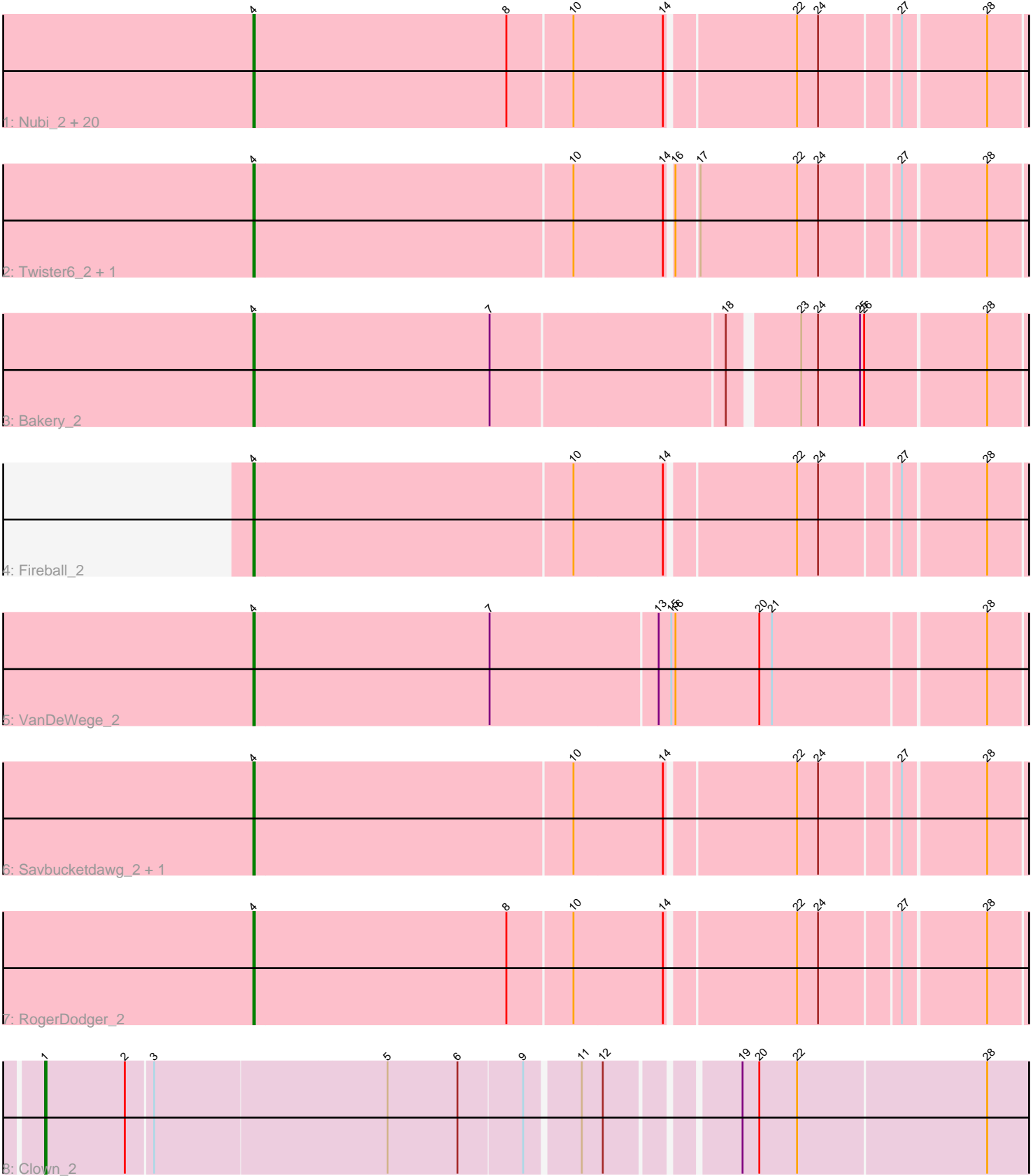


Pham 86220



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 86220 Report

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

Pham number 86220 has 30 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nubi_2, Valary_2, SmokingBunny_2, Shinji_2, Salvador_2, Wizard_2, Portcullis_2, Mutzi_2, ClamChowder_2, TillyBobJoe_2, Arri_2, YungMoney_2, Fugax_2, Barb_2, Gezellig_2, PullumCavea_2, KimmyK_2, Phlop_2, PinkCoffee_2, Togo_2, Danyall_2
- Track 2 : Twister6_2, Halo3_2
- Track 3 : Bakery_2
- Track 4 : Fireball_2
- Track 5 : VanDeWege_2
- Track 6 : Savbucketdawg_2, Jambalaya_2
- Track 7 : RogerDodger_2
- Track 8 : Clown_2

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

The start number called the most often in the published annotations is 4, it was called in 27 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_2, Bakery_2, Barb_2, ClamChowder_2, Danyall_2, Fireball_2, Fugax_2, Gezellig_2, Halo3_2, Jambalaya_2, KimmyK_2, Mutzi_2, Nubi_2, Phlop_2, PinkCoffee_2, Portcullis_2, PullumCavea_2, RogerDodger_2, Salvador_2, Savbucketdawg_2, Shinji_2, SmokingBunny_2, TillyBobJoe_2, Togo_2, Twister6_2, Valary_2, VanDeWege_2, Wizard_2, YungMoney_2,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Clown_2,

Summary by start number:

Start 1:

- Found in 1 of 30 (3.3%) of genes in pham

- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clown_2 (DC2),

Start 4:

- Found in 29 of 30 (96.7%) of genes in pham
- Manual Annotations of this start: 27 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_2 (DC1), Bakery_2 (DC1), Barb_2 (DC1), ClamChowder_2 (DC1), Danyall_2 (DC1), Fireball_2 (DC1), Fugax_2 (DC1), Gezellig_2 (DC1), Halo3_2 (DC1), Jambalaya_2 (DC1), KimmyK_2 (DC1), Mutzi_2 (DC1), Nubi_2 (DC1), Phlop_2 (DC1), PinkCoffee_2 (DC1), Portcullis_2 (DC1), PullumCavea_2 (DC1), RogerDodger_2 (DC1), Salvador_2 (DC1), Savbucketdawg_2 (DC1), Shinji_2 (DC1), SmokingBunny_2 (DC1), TillyBobJoe_2 (DC1), Togo_2 (DC1), Twister6_2 (DC1), Valary_2 (DC1), VanDeWege_2 (DC1), Wizard_2 (DC1), YungMoney_2 (DC1),

Summary by clusters:

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

Info for manual annotations of cluster DC1:

- Start number 4 was manually annotated 27 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_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Arri_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Bakery_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for Bakery_2:

(Start: 4 @528 has 27 MA's), (7, 696), (18, 858), (23, 903), (24, 915), (25, 945), (26, 948), (28, 1032),

Gene: Barb_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Barb_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: ClamChowder_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for ClamChowder_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Clown_2 Start: 512, Stop: 1192, Start Num: 1

Candidate Starts for Clown_2:

(Start: 1 @512 has 1 MA's), (2, 569), (3, 587), (5, 749), (6, 797), (9, 842), (11, 878), (12, 893), (19, 977), (20, 989), (22, 1016), (28, 1148),

Gene: Danyall_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Danyall_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Fireball_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Fireball_2:

(Start: 4 @528 has 27 MA's), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Fugax_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Fugax_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Gezellig_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Gezellig_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Halo3_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for Halo3_2:

(Start: 4 @528 has 27 MA's), (10, 753), (14, 816), (16, 819), (17, 834), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Jambalaya_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Jambalaya_2:

(Start: 4 @528 has 27 MA's), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: KimmyK_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for KimmyK_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Mutzi_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Mutzi_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Nubi_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Nubi_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Phlop_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Phlop_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: PinkCoffee_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for PinkCoffee_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Portcullis_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Portcullis_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: PullumCavea_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for PullumCavea_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: RogerDodger_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for RogerDodger_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Salvador_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for Salvador_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 906), (24, 921), (27, 975), (28, 1032),

Gene: Savbucketdawg_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Savbucketdawg_2:

(Start: 4 @528 has 27 MA's), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Shinji_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Shinji_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: SmokingBunny_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for SmokingBunny_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 906), (24, 921), (27, 975), (28, 1032),

Gene: TillyBobJoe_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for TillyBobJoe_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 906), (24, 921), (27, 975), (28, 1032),

Gene: Togo_2 Start: 528, Stop: 1070, Start Num: 4

Candidate Starts for Togo_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 906), (24, 921), (27, 975), (28, 1032),

Gene: Twister6_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Twister6_2:

(Start: 4 @528 has 27 MA's), (10, 753), (14, 816), (16, 819), (17, 834), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: Valary_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Valary_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: VanDeWege_2 Start: 528, Stop: 1079, Start Num: 4

Candidate Starts for VanDeWege_2:

(Start: 4 @528 has 27 MA's), (7, 696), (13, 813), (15, 822), (16, 825), (20, 885), (21, 894), (28, 1041),

Gene: Wizard_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for Wizard_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),

Gene: YungMoney_2 Start: 528, Stop: 1067, Start Num: 4

Candidate Starts for YungMoney_2:

(Start: 4 @528 has 27 MA's), (8, 708), (10, 753), (14, 816), (22, 903), (24, 918), (27, 972), (28, 1029),