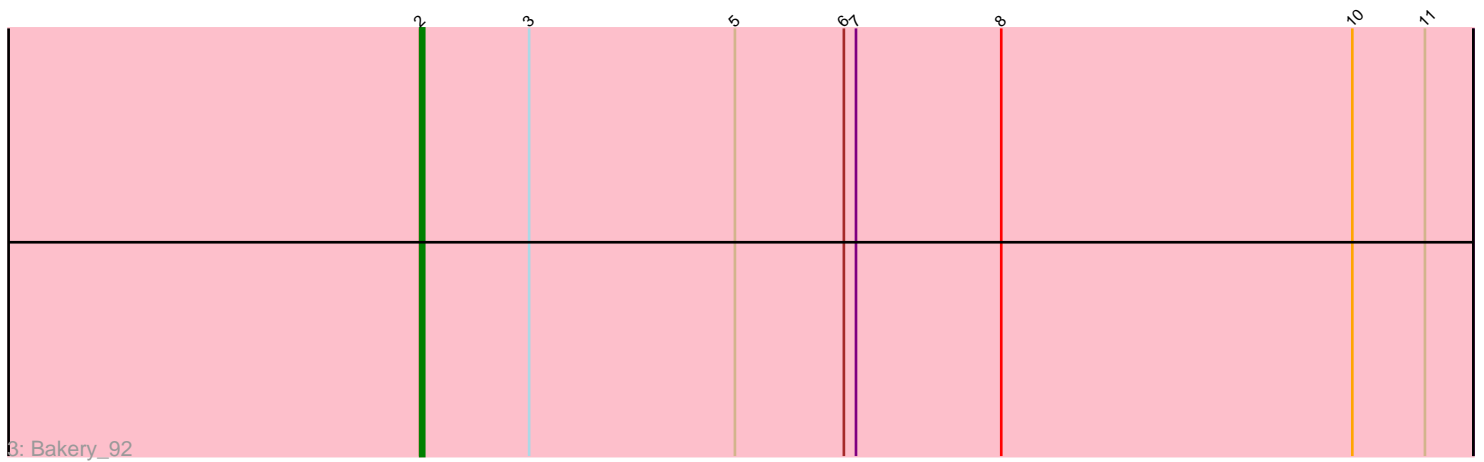
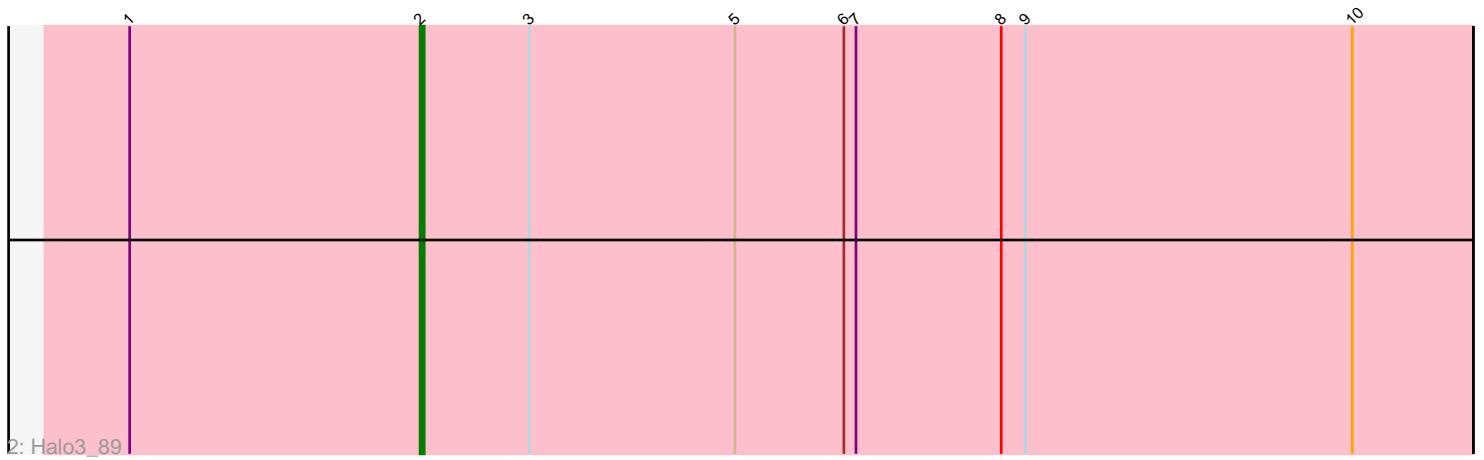
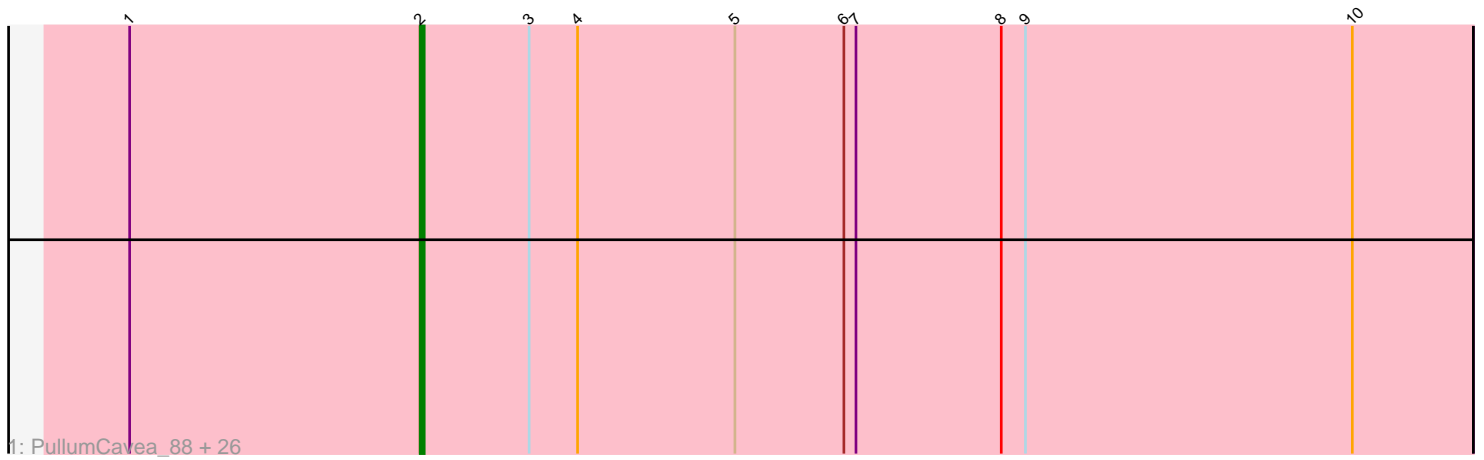


Pham 2963



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 2963 Report

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

Pham number 2963 has 29 members, 2 are drafts.

Phages represented in each track:

- Track 1 : PullumCavea_88, Phlop_87, Gezellig_89, KimmyK_88, Portcullis_90, TillyBobJoe_89, Twister6_89, Evamon_90, RogerDodger_93, Salvador_90, Valary_91, Wizard_85, Fireball_93, Nubi_93, PinkCoffee_92, ClamChowder_93, Mutzi_90, Arri_90, Danyall_91, Shinji_89, SmokingBunny_91, Barb_94, VanDeWege_92, Togo_90, YungMoney_90, Jambalaya_87, Savbucketdawg_85
- Track 2 : Halo3_89
- Track 3 : Bakery_92

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

The start number called the most often in the published annotations is 2, it was called in 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_90, Bakery_92, Barb_94, ClamChowder_93, Danyall_91, Evamon_90, Fireball_93, Gezellig_89, Halo3_89, Jambalaya_87, KimmyK_88, Mutzi_90, Nubi_93, Phlop_87, PinkCoffee_92, Portcullis_90, PullumCavea_88, RogerDodger_93, Salvador_90, Savbucketdawg_85, Shinji_89, SmokingBunny_91, TillyBobJoe_89, Togo_90, Twister6_89, Valary_91, VanDeWege_92, Wizard_85, YungMoney_90,

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 2:

- Found in 29 of 29 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_90 (DC1), Bakery_92 (DC1), Barb_94 (DC1), ClamChowder_93 (DC1), Danyall_91 (DC1), Evamon_90 (DC1),

Fireball_93 (DC1), Gezellig_89 (DC1), Halo3_89 (DC1), Jambalaya_87 (DC1), KimmyK_88 (DC1), Mutzi_90 (DC1), Nubi_93 (DC1), Phlop_87 (DC1), PinkCoffee_92 (DC1), Portcullis_90 (DC1), PullumCavea_88 (DC1), RogerDodger_93 (DC1), Salvador_90 (DC1), Savbucketdawg_85 (DC1), Shinji_89 (DC1), SmokingBunny_91 (DC1), TillyBobJoe_89 (DC1), Togo_90 (DC1), Twister6_89 (DC1), Valary_91 (DC1), VanDeWege_92 (DC1), Wizard_85 (DC1), YungMoney_90 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

•Start number 2 was manually annotated 27 times for cluster DC1.

Gene Information:

Gene: Arri_90 Start: 57311, Stop: 57051, Start Num: 2

Candidate Starts for Arri_90:

(1, 57383), (Start: 2 @57311 has 27 MA's), (3, 57284), (4, 57272), (5, 57233), (6, 57206), (7, 57203), (8, 57167), (9, 57161), (10, 57080),

Gene: Bakery_92 Start: 59132, Stop: 58872, Start Num: 2

Candidate Starts for Bakery_92:

(Start: 2 @59132 has 27 MA's), (3, 59105), (5, 59054), (6, 59027), (7, 59024), (8, 58988), (10, 58901), (11, 58883),

Gene: Barb_94 Start: 58175, Stop: 57915, Start Num: 2

Candidate Starts for Barb_94:

(1, 58247), (Start: 2 @58175 has 27 MA's), (3, 58148), (4, 58136), (5, 58097), (6, 58070), (7, 58067), (8, 58031), (9, 58025), (10, 57944),

Gene: ClamChowder_93 Start: 58175, Stop: 57915, Start Num: 2

Candidate Starts for ClamChowder_93:

(1, 58247), (Start: 2 @58175 has 27 MA's), (3, 58148), (4, 58136), (5, 58097), (6, 58070), (7, 58067), (8, 58031), (9, 58025), (10, 57944),

Gene: Danyall_91 Start: 57356, Stop: 57096, Start Num: 2

Candidate Starts for Danyall_91:

(1, 57428), (Start: 2 @57356 has 27 MA's), (3, 57329), (4, 57317), (5, 57278), (6, 57251), (7, 57248), (8, 57212), (9, 57206), (10, 57125),

Gene: Evamon_90 Start: 57123, Stop: 56863, Start Num: 2

Candidate Starts for Evamon_90:

(1, 57195), (Start: 2 @57123 has 27 MA's), (3, 57096), (4, 57084), (5, 57045), (6, 57018), (7, 57015), (8, 56979), (9, 56973), (10, 56892),

Gene: Fireball_93 Start: 57585, Stop: 57325, Start Num: 2

Candidate Starts for Fireball_93:

(1, 57657), (Start: 2 @57585 has 27 MA's), (3, 57558), (4, 57546), (5, 57507), (6, 57480), (7, 57477), (8, 57441), (9, 57435), (10, 57354),

Gene: Gezellig_89 Start: 56969, Stop: 56709, Start Num: 2

Candidate Starts for Gezellig_89:

(1, 57041), (Start: 2 @56969 has 27 MA's), (3, 56942), (4, 56930), (5, 56891), (6, 56864), (7, 56861), (8, 56825), (9, 56819), (10, 56738),

Gene: Halo3_89 Start: 57844, Stop: 57584, Start Num: 2

Candidate Starts for Halo3_89:

(1, 57916), (Start: 2 @57844 has 27 MA's), (3, 57817), (5, 57766), (6, 57739), (7, 57736), (8, 57700), (9, 57694), (10, 57613),

Gene: Jambalaya_87 Start: 56426, Stop: 56166, Start Num: 2

Candidate Starts for Jambalaya_87:

(1, 56498), (Start: 2 @56426 has 27 MA's), (3, 56399), (4, 56387), (5, 56348), (6, 56321), (7, 56318), (8, 56282), (9, 56276), (10, 56195),

Gene: KimmyK_88 Start: 57416, Stop: 57156, Start Num: 2

Candidate Starts for KimmyK_88:

(1, 57488), (Start: 2 @57416 has 27 MA's), (3, 57389), (4, 57377), (5, 57338), (6, 57311), (7, 57308), (8, 57272), (9, 57266), (10, 57185),

Gene: Mutzi_90 Start: 58316, Stop: 58056, Start Num: 2

Candidate Starts for Mutzi_90:

(1, 58388), (Start: 2 @58316 has 27 MA's), (3, 58289), (4, 58277), (5, 58238), (6, 58211), (7, 58208), (8, 58172), (9, 58166), (10, 58085),

Gene: Nubi_93 Start: 57379, Stop: 57119, Start Num: 2

Candidate Starts for Nubi_93:

(1, 57451), (Start: 2 @57379 has 27 MA's), (3, 57352), (4, 57340), (5, 57301), (6, 57274), (7, 57271), (8, 57235), (9, 57229), (10, 57148),

Gene: Phlop_87 Start: 57019, Stop: 56759, Start Num: 2

Candidate Starts for Phlop_87:

(1, 57091), (Start: 2 @57019 has 27 MA's), (3, 56992), (4, 56980), (5, 56941), (6, 56914), (7, 56911), (8, 56875), (9, 56869), (10, 56788),

Gene: PinkCoffee_92 Start: 57220, Stop: 56960, Start Num: 2

Candidate Starts for PinkCoffee_92:

(1, 57292), (Start: 2 @57220 has 27 MA's), (3, 57193), (4, 57181), (5, 57142), (6, 57115), (7, 57112), (8, 57076), (9, 57070), (10, 56989),

Gene: Portcullis_90 Start: 57025, Stop: 56765, Start Num: 2

Candidate Starts for Portcullis_90:

(1, 57097), (Start: 2 @57025 has 27 MA's), (3, 56998), (4, 56986), (5, 56947), (6, 56920), (7, 56917), (8, 56881), (9, 56875), (10, 56794),

Gene: PullumCavea_88 Start: 57196, Stop: 56936, Start Num: 2

Candidate Starts for PullumCavea_88:

(1, 57268), (Start: 2 @57196 has 27 MA's), (3, 57169), (4, 57157), (5, 57118), (6, 57091), (7, 57088), (8, 57052), (9, 57046), (10, 56965),

Gene: RogerDodger_93 Start: 57784, Stop: 57524, Start Num: 2

Candidate Starts for RogerDodger_93:

(1, 57856), (Start: 2 @57784 has 27 MA's), (3, 57757), (4, 57745), (5, 57706), (6, 57679), (7, 57676), (8, 57640), (9, 57634), (10, 57553),

Gene: Salvador_90 Start: 57121, Stop: 56861, Start Num: 2

Candidate Starts for Salvador_90:

(1, 57193), (Start: 2 @57121 has 27 MA's), (3, 57094), (4, 57082), (5, 57043), (6, 57016), (7, 57013), (8, 56977), (9, 56971), (10, 56890),

Gene: Savbucketdawg_85 Start: 56463, Stop: 56203, Start Num: 2

Candidate Starts for Savbucketdawg_85:

(1, 56535), (Start: 2 @56463 has 27 MA's), (3, 56436), (4, 56424), (5, 56385), (6, 56358), (7, 56355), (8, 56319), (9, 56313), (10, 56232),

Gene: Shinji_89 Start: 57202, Stop: 56942, Start Num: 2

Candidate Starts for Shinji_89:

(1, 57274), (Start: 2 @57202 has 27 MA's), (3, 57175), (4, 57163), (5, 57124), (6, 57097), (7, 57094), (8, 57058), (9, 57052), (10, 56971),

Gene: SmokingBunny_91 Start: 58117, Stop: 57857, Start Num: 2

Candidate Starts for SmokingBunny_91:

(1, 58189), (Start: 2 @58117 has 27 MA's), (3, 58090), (4, 58078), (5, 58039), (6, 58012), (7, 58009), (8, 57973), (9, 57967), (10, 57886),

Gene: TillyBobJoe_89 Start: 57340, Stop: 57080, Start Num: 2

Candidate Starts for TillyBobJoe_89:

(1, 57412), (Start: 2 @57340 has 27 MA's), (3, 57313), (4, 57301), (5, 57262), (6, 57235), (7, 57232), (8, 57196), (9, 57190), (10, 57109),

Gene: Togo_90 Start: 58117, Stop: 57857, Start Num: 2

Candidate Starts for Togo_90:

(1, 58189), (Start: 2 @58117 has 27 MA's), (3, 58090), (4, 58078), (5, 58039), (6, 58012), (7, 58009), (8, 57973), (9, 57967), (10, 57886),

Gene: Twister6_89 Start: 56466, Stop: 56206, Start Num: 2

Candidate Starts for Twister6_89:

(1, 56538), (Start: 2 @56466 has 27 MA's), (3, 56439), (4, 56427), (5, 56388), (6, 56361), (7, 56358), (8, 56322), (9, 56316), (10, 56235),

Gene: Valary_91 Start: 58109, Stop: 57849, Start Num: 2

Candidate Starts for Valary_91:

(1, 58181), (Start: 2 @58109 has 27 MA's), (3, 58082), (4, 58070), (5, 58031), (6, 58004), (7, 58001), (8, 57965), (9, 57959), (10, 57878),

Gene: VanDeWege_92 Start: 57634, Stop: 57374, Start Num: 2

Candidate Starts for VanDeWege_92:

(1, 57706), (Start: 2 @57634 has 27 MA's), (3, 57607), (4, 57595), (5, 57556), (6, 57529), (7, 57526), (8, 57490), (9, 57484), (10, 57403),

Gene: Wizard_85 Start: 56969, Stop: 56709, Start Num: 2

Candidate Starts for Wizard_85:

(1, 57041), (Start: 2 @56969 has 27 MA's), (3, 56942), (4, 56930), (5, 56891), (6, 56864), (7, 56861), (8, 56825), (9, 56819), (10, 56738),

Gene: YungMoney_90 Start: 59156, Stop: 58896, Start Num: 2

Candidate Starts for YungMoney_90:

(1, 59228), (Start: 2 @59156 has 27 MA's), (3, 59129), (4, 59117), (5, 59078), (6, 59051), (7, 59048),
(8, 59012), (9, 59006), (10, 58925),