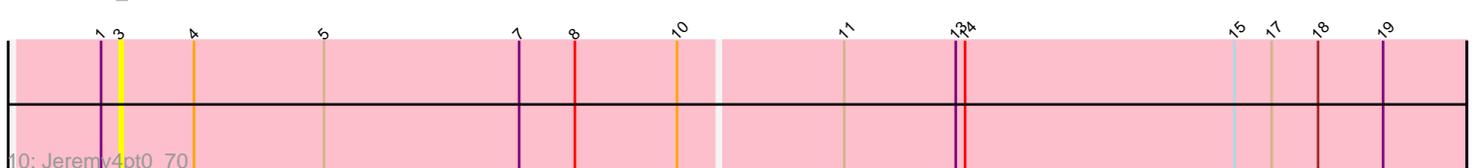
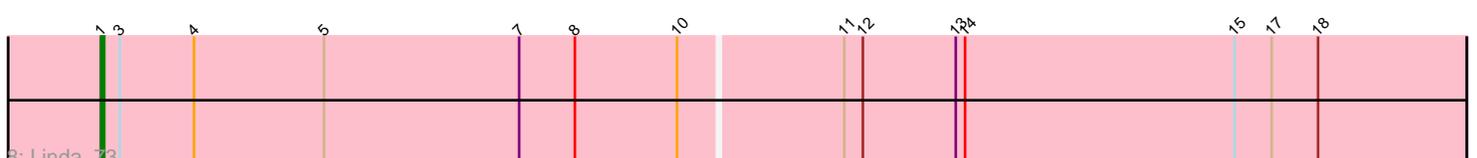
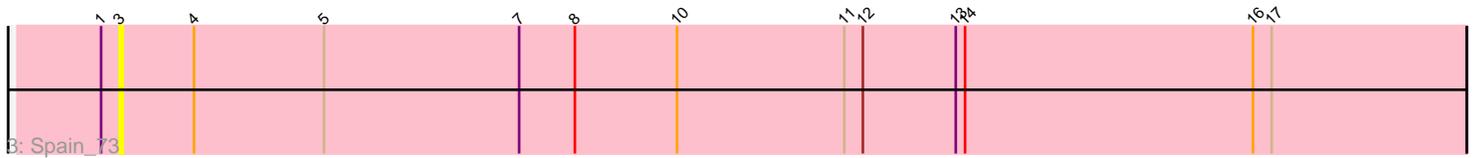
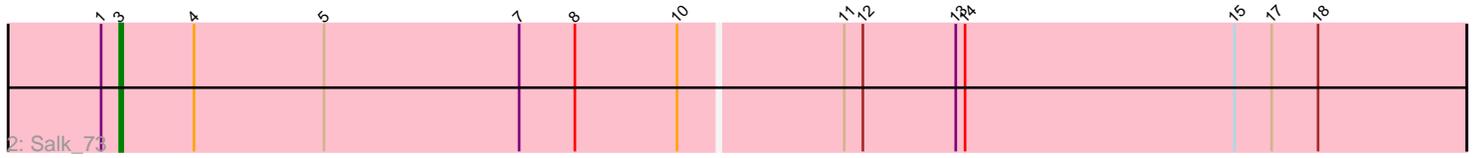
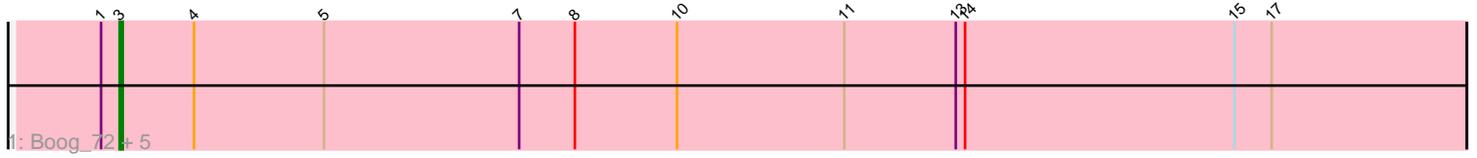


Pham 284277



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 284277 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284277 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Boog_72, BronxBay_73, StarLord_73, MrAaronian_73, Djungelskog_72, Sloopyjoe_73
- Track 2 : Salk_73
- Track 3 : Spain_73
- Track 4 : Sprinkle_74
- Track 5 : Egad_73
- Track 6 : DoctorPepper_72
- Track 7 : Stayer_73, Michelle_73
- Track 8 : Linda_73
- Track 9 : ProfFrink_73
- Track 10 : Jeremy4pt0_70

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 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_72, BronxBay_73, Djungelskog_72, DoctorPepper_72, Egad_73, Jeremy4pt0_70, MrAaronian_73, ProfFrink_73, Salk_73, Sloopyjoe_73, Spain_73, StarLord_73,

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

- Linda_73, Michelle_73, Stayer_73,

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

- Sprinkle_74,

Summary by start number:

Start 1:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 3 of 13
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Linda_73 (AW), Michelle_73 (AW), Stayer_73 (AW),

Start 2:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sprinkle_74 (AW),

Start 3:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 10 of 13
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Boog_72 (AW), BronxBay_73 (AW), Djungelskog_72 (AW), DoctorPepper_72 (AW), Egad_73 (AW), Jeremy4pt0_70 (AW), MrAaronian_73 (AW), ProfFrink_73 (AW), Salk_73 (AW), Sloopyjoe_73 (AW), Spain_73 (AW), StarLord_73 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:

- Start number 1 was manually annotated 3 times for cluster AW.
- Start number 3 was manually annotated 10 times for cluster AW.

Gene Information:

Gene: Boog_72 Start: 45439, Stop: 45873, Start Num: 3

Candidate Starts for Boog_72:

(Start: 1 @45433 has 3 MA's), (Start: 3 @45439 has 10 MA's), (4, 45463), (5, 45505), (7, 45568), (8, 45586), (10, 45619), (11, 45673), (13, 45709), (14, 45712), (15, 45799), (17, 45811),

Gene: BronxBay_73 Start: 45711, Stop: 46145, Start Num: 3

Candidate Starts for BronxBay_73:

(Start: 1 @45705 has 3 MA's), (Start: 3 @45711 has 10 MA's), (4, 45735), (5, 45777), (7, 45840), (8, 45858), (10, 45891), (11, 45945), (13, 45981), (14, 45984), (15, 46071), (17, 46083),

Gene: Djungelskog_72 Start: 45713, Stop: 46147, Start Num: 3

Candidate Starts for Djungelskog_72:

(Start: 1 @45707 has 3 MA's), (Start: 3 @45713 has 10 MA's), (4, 45737), (5, 45779), (7, 45842), (8, 45860), (10, 45893), (11, 45947), (13, 45983), (14, 45986), (15, 46073), (17, 46085),

Gene: DoctorPepper_72 Start: 45415, Stop: 45849, Start Num: 3

Candidate Starts for DoctorPepper_72:

(Start: 1 @45409 has 3 MA's), (Start: 3 @45415 has 10 MA's), (4, 45439), (5, 45481), (7, 45544), (8, 45562), (10, 45595), (11, 45649), (13, 45685), (14, 45688), (15, 45775), (17, 45787), (18, 45802), (19, 45823),

Gene: Egad_73 Start: 45689, Stop: 46123, Start Num: 3

Candidate Starts for Egad_73:

(Start: 1 @45683 has 3 MA's), (Start: 3 @45689 has 10 MA's), (4, 45713), (5, 45755), (7, 45818), (8, 45836), (10, 45869), (11, 45923), (12, 45929), (13, 45959), (14, 45962), (15, 46049), (17, 46061),

Gene: Jeremy4pt0_70 Start: 45410, Stop: 45841, Start Num: 3

Candidate Starts for Jeremy4pt0_70:

(Start: 1 @45404 has 3 MA's), (Start: 3 @45410 has 10 MA's), (4, 45434), (5, 45476), (7, 45539), (8, 45557), (10, 45590), (11, 45641), (13, 45677), (14, 45680), (15, 45767), (17, 45779), (18, 45794), (19, 45815),

Gene: Linda_73 Start: 45702, Stop: 46139, Start Num: 1

Candidate Starts for Linda_73:

(Start: 1 @45702 has 3 MA's), (Start: 3 @45708 has 10 MA's), (4, 45732), (5, 45774), (7, 45837), (8, 45855), (10, 45888), (11, 45939), (12, 45945), (13, 45975), (14, 45978), (15, 46065), (17, 46077), (18, 46092),

Gene: Michelle_73 Start: 45704, Stop: 46144, Start Num: 1

Candidate Starts for Michelle_73:

(Start: 1 @45704 has 3 MA's), (Start: 3 @45710 has 10 MA's), (4, 45734), (5, 45776), (7, 45839), (8, 45857), (10, 45890), (11, 45944), (13, 45980), (14, 45983), (15, 46070), (17, 46082),

Gene: MrAaronian_73 Start: 45710, Stop: 46144, Start Num: 3

Candidate Starts for MrAaronian_73:

(Start: 1 @45704 has 3 MA's), (Start: 3 @45710 has 10 MA's), (4, 45734), (5, 45776), (7, 45839), (8, 45857), (10, 45890), (11, 45944), (13, 45980), (14, 45983), (15, 46070), (17, 46082),

Gene: ProfFrink_73 Start: 45688, Stop: 46122, Start Num: 3

Candidate Starts for ProfFrink_73:

(Start: 1 @45682 has 3 MA's), (Start: 3 @45688 has 10 MA's), (4, 45712), (5, 45754), (6, 45784), (7, 45817), (8, 45835), (10, 45868), (11, 45922), (13, 45958), (14, 45961), (15, 46048), (17, 46060),

Gene: Salk_73 Start: 45708, Stop: 46139, Start Num: 3

Candidate Starts for Salk_73:

(Start: 1 @45702 has 3 MA's), (Start: 3 @45708 has 10 MA's), (4, 45732), (5, 45774), (7, 45837), (8, 45855), (10, 45888), (11, 45939), (12, 45945), (13, 45975), (14, 45978), (15, 46065), (17, 46077), (18, 46092),

Gene: Sloopyjoe_73 Start: 45712, Stop: 46146, Start Num: 3

Candidate Starts for Sloopyjoe_73:

(Start: 1 @45706 has 3 MA's), (Start: 3 @45712 has 10 MA's), (4, 45736), (5, 45778), (7, 45841), (8, 45859), (10, 45892), (11, 45946), (13, 45982), (14, 45985), (15, 46072), (17, 46084),

Gene: Spain_73 Start: 45710, Stop: 46144, Start Num: 3

Candidate Starts for Spain_73:

(Start: 1 @45704 has 3 MA's), (Start: 3 @45710 has 10 MA's), (4, 45734), (5, 45776), (7, 45839), (8, 45857), (10, 45890), (11, 45944), (12, 45950), (13, 45980), (14, 45983), (16, 46076), (17, 46082),

Gene: Sprinkle_74 Start: 46402, Stop: 46740, Start Num: 2

Candidate Starts for Sprinkle_74:

(2, 46402), (5, 46468), (9, 46540), (11, 46591),

Gene: StarLord_73 Start: 45705, Stop: 46139, Start Num: 3

Candidate Starts for StarLord_73:

(Start: 1 @45699 has 3 MA's), (Start: 3 @45705 has 10 MA's), (4, 45729), (5, 45771), (7, 45834), (8, 45852), (10, 45885), (11, 45939), (13, 45975), (14, 45978), (15, 46065), (17, 46077),

Gene: Stayer_73 Start: 45702, Stop: 46142, Start Num: 1

Candidate Starts for Stayer_73:

(Start: 1 @45702 has 3 MA's), (Start: 3 @45708 has 10 MA's), (4, 45732), (5, 45774), (7, 45837), (8, 45855), (10, 45888), (11, 45942), (13, 45978), (14, 45981), (15, 46068), (17, 46080),