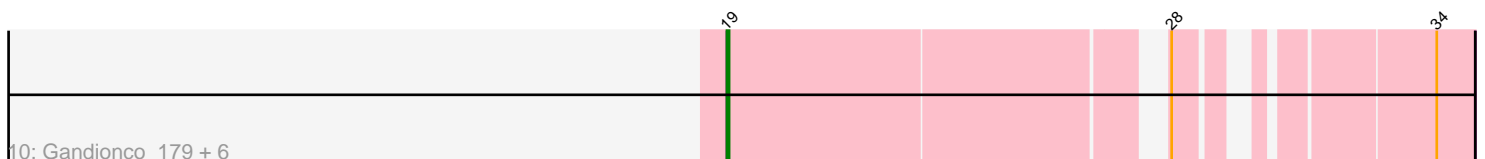
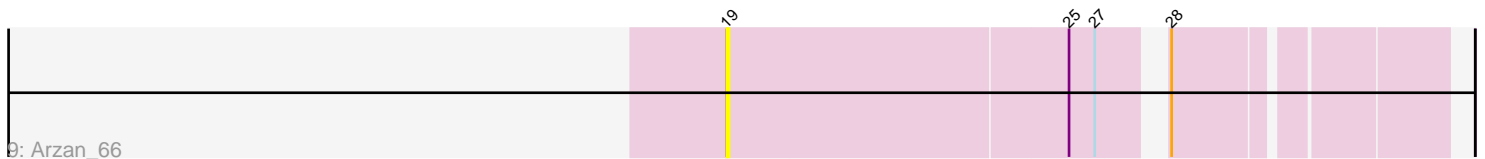
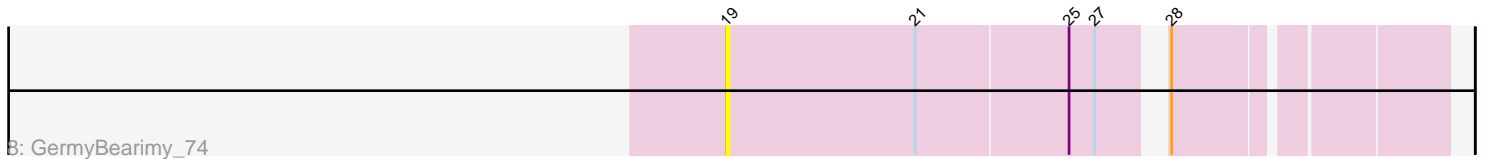
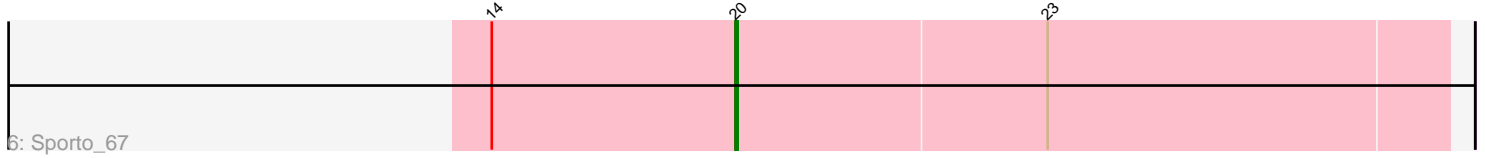
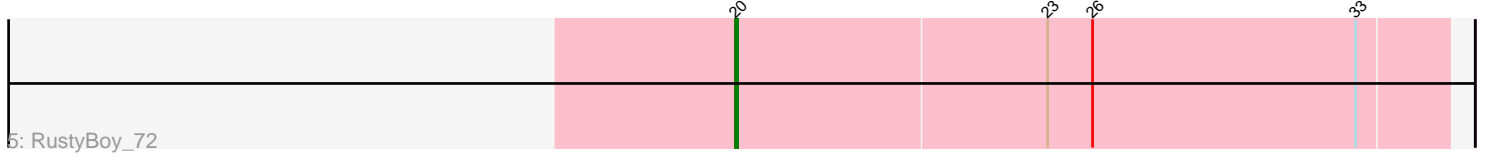
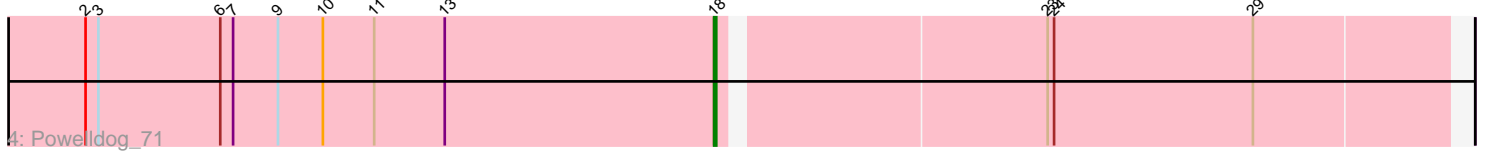
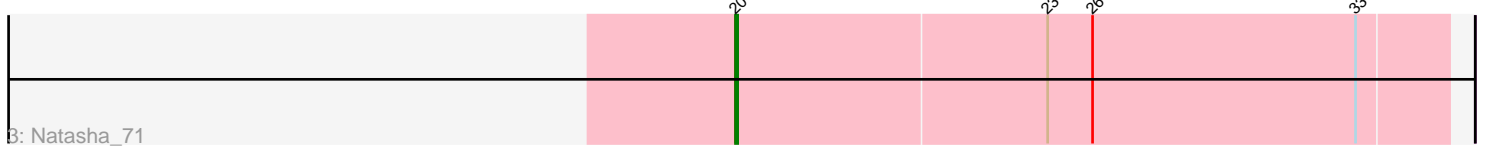
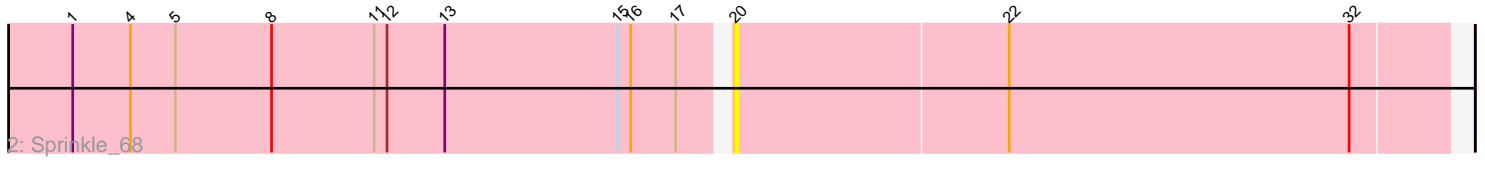
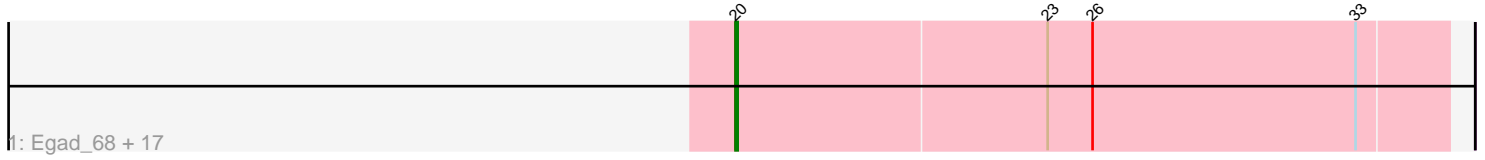


Pham 296783



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 296783 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296783 has 34 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Egad_68, Spain_68, Raunak_69, Linda_68, Stayer_68, Sloopyjoe_68, MrAaronian_68, BronxBay_68, Boog_67, ProfFrink_68, Shiba_67, Jeremy4pt0_65, Michelle_68, Salk_68, StarLord_68, HerbBucket_66, DoctorPepper_67, Djungelskog_67
- Track 2 : Sprinkle_68
- Track 3 : Natasha_71
- Track 4 : PowellDog_71
- Track 5 : RustyBoy_72
- Track 6 : Sporto_67
- Track 7 : Sunny4976_64, Jazzy4900_65
- Track 8 : GermyBearimy_74
- Track 9 : Arzan_66
- Track 10 : Gandionco_179, Qui_181, Elver_180, Marianna39_178, Kureo_178, Paella_181, JeNeSaisPas_175

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

The start number called the most often in the published annotations is 20, it was called in 17 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_67, BronxBay_68, Djungelskog_67, DoctorPepper_67, Egad_68, HerbBucket_66, Jeremy4pt0_65, Linda_68, Michelle_68, MrAaronian_68, Natasha_71, ProfFrink_68, Raunak_69, RustyBoy_72, Salk_68, Shiba_67, Sloopyjoe_68, Spain_68, Sporto_67, Sprinkle_68, StarLord_68, Stayer_68,

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

-

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

- Arzan_66, Elver_180, Gandionco_179, GermyBearimy_74, Jazzy4900_65, JeNeSaisPas_175, Kureo_178, Marianna39_178, Paella_181, PowellDog_71, Qui_181, Sunny4976_64,

Summary by start number:

Start 18:

- Found in 1 of 34 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Powellldog_71 (AW),

Start 19:

- Found in 11 of 34 (32.4%) of genes in pham
- Manual Annotations of this start: 3 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_66 (FI), Elver_180 (FK), Gandionco_179 (FK), GermyBearimy_74 (FI), Jazzy4900_65 (FI), JeNeSaisPas_175 (FK), Kureo_178 (FK), Marianna39_178 (FK), Paella_181 (FK), Qui_181 (FK), Sunny4976_64 (FI),

Start 20:

- Found in 22 of 34 (64.7%) of genes in pham
- Manual Annotations of this start: 17 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_67 (AW), BronxBay_68 (AW), Djungelskog_67 (AW), DoctorPepper_67 (AW), Egad_68 (AW), HerbBucket_66 (AW), Jeremy4pt0_65 (AW), Linda_68 (AW), Michelle_68 (AW), MrAaronian_68 (AW), Natasha_71 (AW), ProfFrink_68 (AW), Raunak_69 (AW), RustyBoy_72 (AW), Salk_68 (AW), Shiba_67 (AW), Sloopyjoe_68 (AW), Spain_68 (AW), Sporto_67 (AW), Sprinkle_68 (AW), StarLord_68 (AW), Stayer_68 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AW,

Info for manual annotations of cluster AW:

- Start number 18 was manually annotated 1 time for cluster AW.
- Start number 20 was manually annotated 17 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 19 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Arzan_66 Start: 43794, Stop: 44099, Start Num: 19

Candidate Starts for Arzan_66:

(Start: 19 @43794 has 3 MA's), (25, 43950), (27, 43962), (28, 43983),

Gene: Boog_67 Start: 43689, Stop: 44018, Start Num: 20

Candidate Starts for Boog_67:

(Start: 20 @43689 has 17 MA's), (23, 43833), (26, 43854), (33, 43977),

Gene: BronxBay_68 Start: 43961, Stop: 44290, Start Num: 20

Candidate Starts for BronxBay_68:
(Start: 20 @43961 has 17 MA's), (23, 44105), (26, 44126), (33, 44249),

Gene: Djungelskog_67 Start: 43963, Stop: 44292, Start Num: 20
Candidate Starts for Djungelskog_67:
(Start: 20 @43963 has 17 MA's), (23, 44107), (26, 44128), (33, 44251),

Gene: DoctorPepper_67 Start: 43665, Stop: 43994, Start Num: 20
Candidate Starts for DoctorPepper_67:
(Start: 20 @43665 has 17 MA's), (23, 43809), (26, 43830), (33, 43953),

Gene: Egad_68 Start: 43939, Stop: 44268, Start Num: 20
Candidate Starts for Egad_68:
(Start: 20 @43939 has 17 MA's), (23, 44083), (26, 44104), (33, 44227),

Gene: Elver_180 Start: 88404, Stop: 88703, Start Num: 19
Candidate Starts for Elver_180:
(Start: 19 @88404 has 3 MA's), (28, 88590), (34, 88686),

Gene: Gandionco_179 Start: 87798, Stop: 88097, Start Num: 19
Candidate Starts for Gandionco_179:
(Start: 19 @87798 has 3 MA's), (28, 87984), (34, 88080),

Gene: GermyBearimy_74 Start: 45364, Stop: 45669, Start Num: 19
Candidate Starts for GermyBearimy_74:
(Start: 19 @45364 has 3 MA's), (21, 45451), (25, 45520), (27, 45532), (28, 45553),

Gene: HerbBucket_66 Start: 43671, Stop: 44000, Start Num: 20
Candidate Starts for HerbBucket_66:
(Start: 20 @43671 has 17 MA's), (23, 43815), (26, 43836), (33, 43959),

Gene: Jazzy4900_65 Start: 44572, Stop: 44859, Start Num: 19
Candidate Starts for Jazzy4900_65:
(Start: 19 @44572 has 3 MA's), (28, 44758), (30, 44788), (31, 44791),

Gene: JeNeSaisPas_175 Start: 88525, Stop: 88824, Start Num: 19
Candidate Starts for JeNeSaisPas_175:
(Start: 19 @88525 has 3 MA's), (28, 88711), (34, 88807),

Gene: Jeremy4pt0_65 Start: 43660, Stop: 43989, Start Num: 20
Candidate Starts for Jeremy4pt0_65:
(Start: 20 @43660 has 17 MA's), (23, 43804), (26, 43825), (33, 43948),

Gene: Kureo_178 Start: 87235, Stop: 87534, Start Num: 19
Candidate Starts for Kureo_178:
(Start: 19 @87235 has 3 MA's), (28, 87421), (34, 87517),

Gene: Linda_68 Start: 43958, Stop: 44287, Start Num: 20
Candidate Starts for Linda_68:
(Start: 20 @43958 has 17 MA's), (23, 44102), (26, 44123), (33, 44246),

Gene: Marianna39_178 Start: 88401, Stop: 88700, Start Num: 19
Candidate Starts for Marianna39_178:

(Start: 19 @88401 has 3 MA's), (28, 88587), (34, 88683),

Gene: Michelle_68 Start: 43960, Stop: 44289, Start Num: 20

Candidate Starts for Michelle_68:

(Start: 20 @43960 has 17 MA's), (23, 44104), (26, 44125), (33, 44248),

Gene: MrAaronian_68 Start: 43960, Stop: 44289, Start Num: 20

Candidate Starts for MrAaronian_68:

(Start: 20 @43960 has 17 MA's), (23, 44104), (26, 44125), (33, 44248),

Gene: Natasha_71 Start: 44273, Stop: 44602, Start Num: 20

Candidate Starts for Natasha_71:

(Start: 20 @44273 has 17 MA's), (23, 44417), (26, 44438), (33, 44561),

Gene: Paella_181 Start: 89280, Stop: 89579, Start Num: 19

Candidate Starts for Paella_181:

(Start: 19 @89280 has 3 MA's), (28, 89466), (34, 89562),

Gene: Powelldog_71 Start: 44664, Stop: 44993, Start Num: 18

Candidate Starts for Powelldog_71:

(2, 44370), (3, 44376), (6, 44433), (7, 44439), (9, 44460), (10, 44481), (11, 44505), (13, 44538), (Start: 18 @44664 has 1 MA's), (23, 44808), (24, 44811), (29, 44904),

Gene: ProfFrink_68 Start: 43938, Stop: 44267, Start Num: 20

Candidate Starts for ProfFrink_68:

(Start: 20 @43938 has 17 MA's), (23, 44082), (26, 44103), (33, 44226),

Gene: Qui_181 Start: 89277, Stop: 89576, Start Num: 19

Candidate Starts for Qui_181:

(Start: 19 @89277 has 3 MA's), (28, 89463), (34, 89559),

Gene: Raunak_69 Start: 43600, Stop: 43929, Start Num: 20

Candidate Starts for Raunak_69:

(Start: 20 @43600 has 17 MA's), (23, 43744), (26, 43765), (33, 43888),

Gene: RustyBoy_72 Start: 44472, Stop: 44801, Start Num: 20

Candidate Starts for RustyBoy_72:

(Start: 20 @44472 has 17 MA's), (23, 44616), (26, 44637), (33, 44760),

Gene: Salk_68 Start: 43958, Stop: 44287, Start Num: 20

Candidate Starts for Salk_68:

(Start: 20 @43958 has 17 MA's), (23, 44102), (26, 44123), (33, 44246),

Gene: Shiba_67 Start: 43616, Stop: 43945, Start Num: 20

Candidate Starts for Shiba_67:

(Start: 20 @43616 has 17 MA's), (23, 43760), (26, 43781), (33, 43904),

Gene: Sloopyjoe_68 Start: 43962, Stop: 44291, Start Num: 20

Candidate Starts for Sloopyjoe_68:

(Start: 20 @43962 has 17 MA's), (23, 44106), (26, 44127), (33, 44250),

Gene: Spain_68 Start: 43960, Stop: 44289, Start Num: 20

Candidate Starts for Spain_68:

(Start: 20 @43960 has 17 MA's), (23, 44104), (26, 44125), (33, 44248),

Gene: Sporto_67 Start: 45047, Stop: 45376, Start Num: 20

Candidate Starts for Sporto_67:

(14, 44933), (Start: 20 @45047 has 17 MA's), (23, 45191),

Gene: Sprinkle_68 Start: 44401, Stop: 44730, Start Num: 20

Candidate Starts for Sprinkle_68:

(1, 44101), (4, 44128), (5, 44149), (8, 44194), (11, 44242), (12, 44248), (13, 44275), (15, 44356), (16, 44362), (17, 44383), (Start: 20 @44401 has 17 MA's), (22, 44527), (32, 44686),

Gene: StarLord_68 Start: 43955, Stop: 44284, Start Num: 20

Candidate Starts for StarLord_68:

(Start: 20 @43955 has 17 MA's), (23, 44099), (26, 44120), (33, 44243),

Gene: Stayer_68 Start: 43958, Stop: 44287, Start Num: 20

Candidate Starts for Stayer_68:

(Start: 20 @43958 has 17 MA's), (23, 44102), (26, 44123), (33, 44246),

Gene: Sunny4976_64 Start: 44572, Stop: 44859, Start Num: 19

Candidate Starts for Sunny4976_64:

(Start: 19 @44572 has 3 MA's), (28, 44758), (30, 44788), (31, 44791),