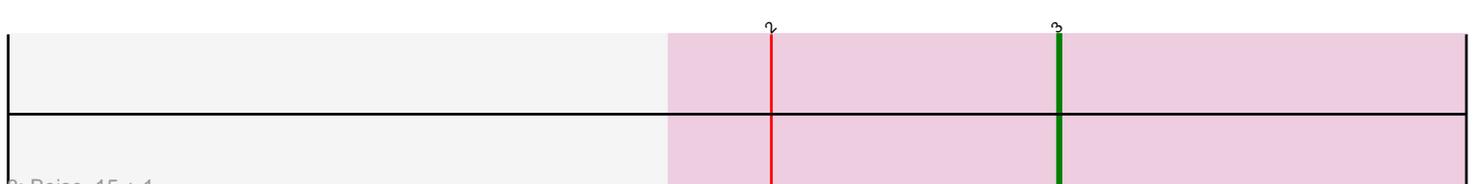
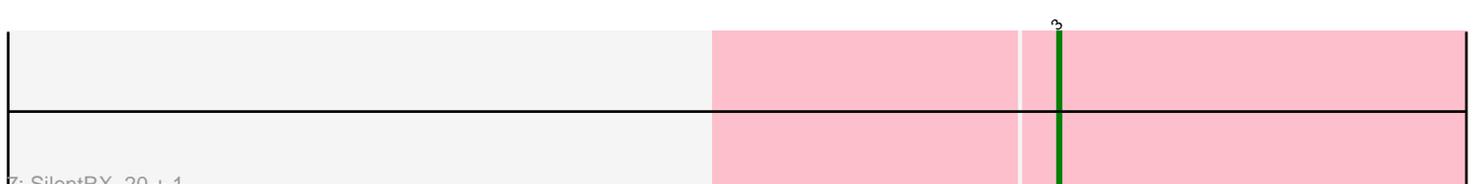
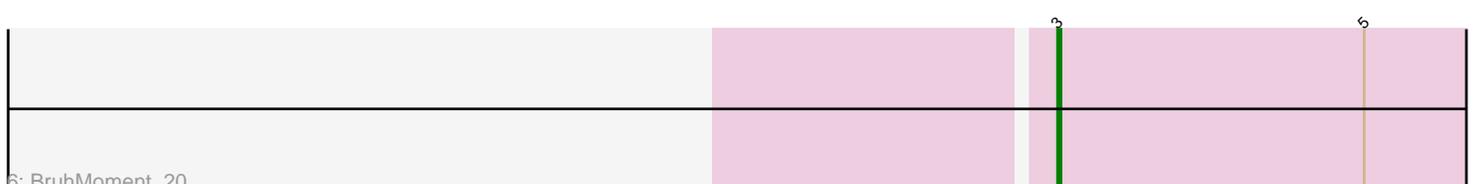
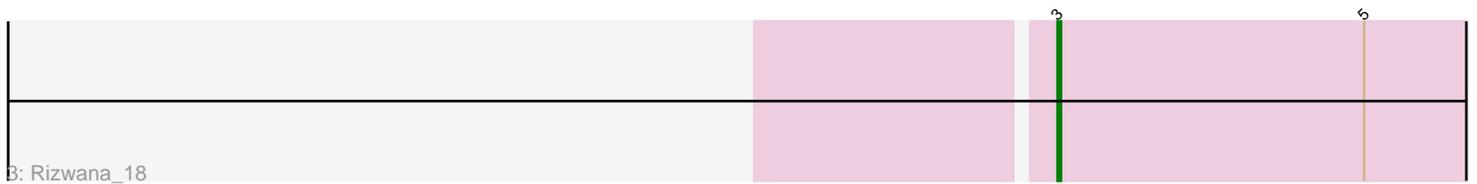
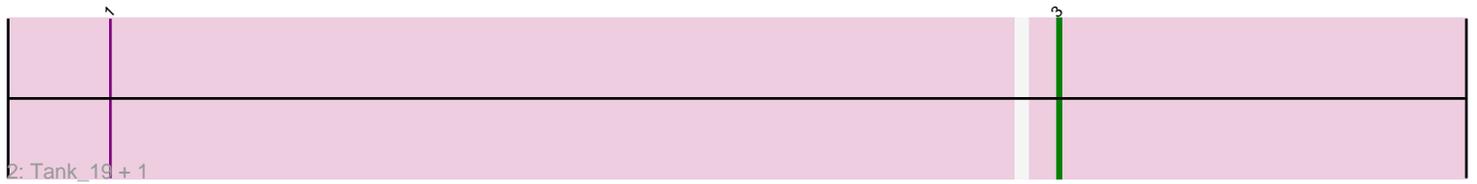
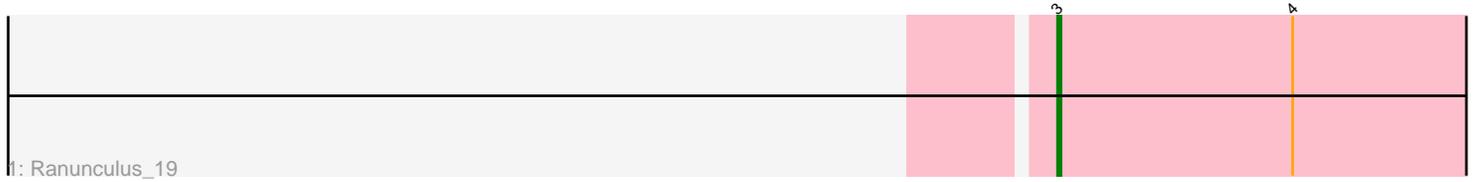


Pham 289729



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 289729 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289729 has 23 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_19
- Track 2 : Tank_19, Wilde_19
- Track 3 : Rizwana_18
- Track 4 : RIPWilbur_23, PhuzzTulsa_23, BetaFish_25, Kubulix_26, Pureglobe5_27, DogYard_25, Beagle_26, Pointis_25, RazzB_21, Hive_25, Forrestell_22, MellowYellow_22, Odyssey395_27
- Track 5 : Ollypop_23
- Track 6 : BruhMoment_20
- Track 7 : SilentRX_20, AWGoat_105
- Track 8 : Boise_15, RomansRevenge_15

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AWGoat_105, Beagle_26, BetaFish_25, Boise_15, BruhMoment_20, DogYard_25, Forrestell_22, Hive_25, Kubulix_26, MellowYellow_22, Odyssey395_27, Ollypop_23, PhuzzTulsa_23, Pointis_25, Pureglobe5_27, RIPWilbur_23, Ranunculus_19, RazzB_21, Rizwana_18, RomansRevenge_15, SilentRX_20, Tank_19, Wilde_19,

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 3:

- Found in 23 of 23 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AWGoat_105 (AP4), Beagle_26 (AP2), BetaFish_25 (AP2), Boise_15 (FT), BruhMoment_20 (AP3), DogYard_25 (AP2), Forrestell_22 (AP2), Hive_25 (AP2), Kubulix_26 (AP2), MellowYellow_22 (AP2), Odyssey395_27 (AP2), Ollypop_23 (AP2), PhuzzTulsa_23 (AP2), Pointis_25 (AP2), Pureglobe5_27 (AP2), RIPWilbur_23 (AP2), Ranunculus_19 (AP), RazzB_21 (AP2), Rizwana_18 (AP1), RomansRevenge_15 (FT), SilentRX_20 (AP4), Tank_19 (AP1), Wilde_19 (AP1),

Summary by clusters:

There are 6 clusters represented in this pham: FT, AP2, AP3, AP1, AP4, AP,

Info for manual annotations of cluster AP:

- Start number 3 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:

- Start number 3 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 3 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 3 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 3 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FT:

- Start number 3 was manually annotated 1 time for cluster FT.

Gene Information:

Gene: AWGoat_105 Start: 13446, Stop: 13589, Start Num: 3

Candidate Starts for AWGoat_105:

(Start: 3 @13446 has 18 MA's),

Gene: Beagle_26 Start: 13940, Stop: 14083, Start Num: 3

Candidate Starts for Beagle_26:

(Start: 3 @13940 has 18 MA's),

Gene: BetaFish_25 Start: 14143, Stop: 14286, Start Num: 3

Candidate Starts for BetaFish_25:

(Start: 3 @14143 has 18 MA's),

Gene: Boise_15 Start: 11151, Stop: 11297, Start Num: 3

Candidate Starts for Boise_15:

(2, 11067), (Start: 3 @11151 has 18 MA's),

Gene: BruhMoment_20 Start: 13342, Stop: 13485, Start Num: 3

Candidate Starts for BruhMoment_20:

(Start: 3 @13342 has 18 MA's), (5, 13432),

Gene: DogYard_25 Start: 14010, Stop: 14153, Start Num: 3
Candidate Starts for DogYard_25:
(Start: 3 @14010 has 18 MA's),

Gene: Forrestell_22 Start: 12648, Stop: 12791, Start Num: 3
Candidate Starts for Forrestell_22:
(Start: 3 @12648 has 18 MA's),

Gene: Hive_25 Start: 14024, Stop: 14167, Start Num: 3
Candidate Starts for Hive_25:
(Start: 3 @14024 has 18 MA's),

Gene: Kubulix_26 Start: 14133, Stop: 14276, Start Num: 3
Candidate Starts for Kubulix_26:
(Start: 3 @14133 has 18 MA's),

Gene: MellowYellow_22 Start: 12675, Stop: 12818, Start Num: 3
Candidate Starts for MellowYellow_22:
(Start: 3 @12675 has 18 MA's),

Gene: Odyssey395_27 Start: 14135, Stop: 14278, Start Num: 3
Candidate Starts for Odyssey395_27:
(Start: 3 @14135 has 18 MA's),

Gene: Ollypop_23 Start: 13149, Stop: 13292, Start Num: 3
Candidate Starts for Ollypop_23:
(Start: 3 @13149 has 18 MA's),

Gene: PhuzzTulsa_23 Start: 13922, Stop: 14065, Start Num: 3
Candidate Starts for PhuzzTulsa_23:
(Start: 3 @13922 has 18 MA's),

Gene: Pointis_25 Start: 14139, Stop: 14282, Start Num: 3
Candidate Starts for Pointis_25:
(Start: 3 @14139 has 18 MA's),

Gene: Pureglobe5_27 Start: 14149, Stop: 14292, Start Num: 3
Candidate Starts for Pureglobe5_27:
(Start: 3 @14149 has 18 MA's),

Gene: RIPWilbur_23 Start: 13285, Stop: 13428, Start Num: 3
Candidate Starts for RIPWilbur_23:
(Start: 3 @13285 has 18 MA's),

Gene: Ranunculus_19 Start: 13030, Stop: 13173, Start Num: 3
Candidate Starts for Ranunculus_19:
(Start: 3 @13030 has 18 MA's), (4, 13099),

Gene: RazzB_21 Start: 12448, Stop: 12591, Start Num: 3
Candidate Starts for RazzB_21:
(Start: 3 @12448 has 18 MA's),

Gene: Rizwana_18 Start: 12899, Stop: 13048, Start Num: 3
Candidate Starts for Rizwana_18:
(Start: 3 @12899 has 18 MA's), (5, 12989),

Gene: RomansRevenge_15 Start: 11151, Stop: 11297, Start Num: 3
Candidate Starts for RomansRevenge_15:
(2, 11067), (Start: 3 @11151 has 18 MA's),

Gene: SilentRX_20 Start: 13212, Stop: 13355, Start Num: 3
Candidate Starts for SilentRX_20:
(Start: 3 @13212 has 18 MA's),

Gene: Tank_19 Start: 12761, Stop: 12910, Start Num: 3
Candidate Starts for Tank_19:
(1, 12488), (Start: 3 @12761 has 18 MA's),

Gene: Wilde_19 Start: 12689, Stop: 12838, Start Num: 3
Candidate Starts for Wilde_19:
(1, 12416), (Start: 3 @12689 has 18 MA's),