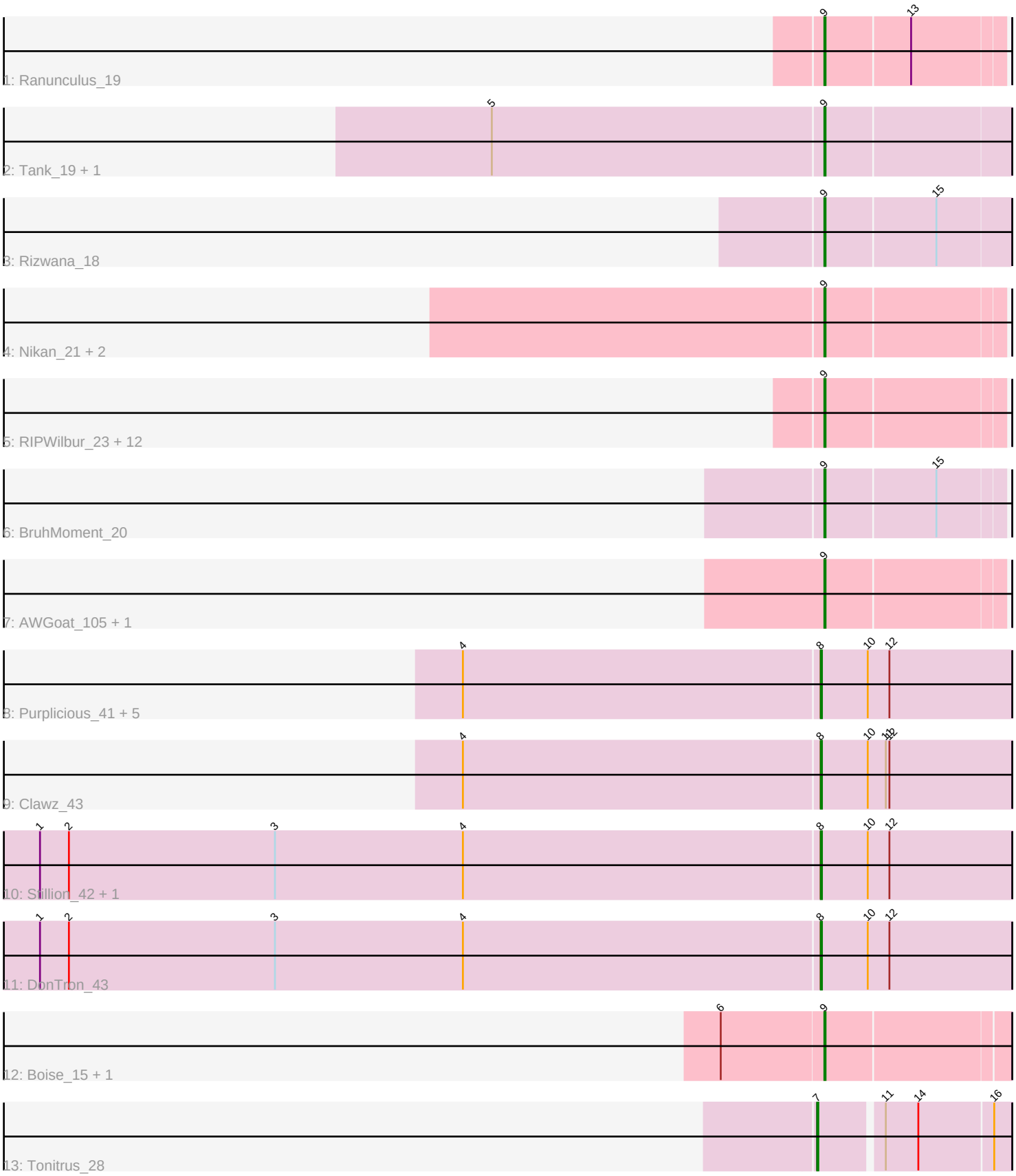
Pham 345949


9
13
1: Ranunculus_19
5
9
2: Tank_19 + 1
9
15
3: Rizwana_18
9
4: Nikan_21 + 2
9
5: RIPWilbur_23 + 12
9
15
6: BruhMoment_20
9
7: AWGoat_105 + 1
4
8
10
12
8: Purplicious_41 + 5
4
8
10
12
9: Clawz_43
1
2
3
4
8
10
12
10: Stillion_42 + 1
1
2
3
4
8
10
12
11: DonTron_43
6
9
12: Boise_15 + 1
7
11
14
16
13: Tonitrus_28

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 345949 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345949 has 36 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_19
• Track 2 : Tank_19, Wilde_19
• Track 3 : Rizwana_18
• Track 4 : Nikan_21, Ren19_21, Ollypop_23
• Track 5 : RIPWilbur_23, PhuzzTulsa_23, BetaFish_25, Odyssey395_27, Kubulix_26, Pureglobe5_27, DogYard_25, Beagle_26, Pointis_25, RazzB_21, Hive_25, Forrestell_22, MellowYellow_22
• Track 6 : BruhMoment_20
• Track 7 : AWGoat_105, SilentRX_20
• Track 8 : Purplicious_41, ColdSoup_44, KingstonB_41, Amo99_44, Jollymon_43, Sting_42
• Track 9 : Clawz_43
• Track 10 : Stillion_42, Soos_39
• Track 11 : DonTron_43
• Track 12 : Boise_15, RomansRevenge_15
• Track 13 : Tonitrus_28

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

The start number called the most often in the published annotations is 9, it was called in 22 of the 30 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, Nikan_21, Odyssey395_27, Ollypop_23, PhuzzTulsa_23, Pointis_25, Pureglobe5_27, RIPWilbur_23, Ranunculus_19, RazzB_21, Ren19_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:

• Amo99_44, Clawz_43, ColdSoup_44, DonTron_43, Jollymon_43, KingstonB_41, Purplicious_41, Soos_39, Stillion_42, Sting_42, Tonitrus_28,

Summary by start number:

Start 7:
• Found in 1 of 36 (2.8%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_28 (singleton),

Start 8:
• Found in 10 of 36 (27.8%) of genes in pham
• Manual Annotations of this start: 7 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amo99_44 (CP), Clawz_43 (CP), ColdSoup_44 (CP), DonTron_43 (CP), Jollymon_43 (CP), KingstonB_41 (CP), Purplicious_41 (CP), Soos_39 (CP), Stillion_42 (CP), Sting_42 (CP),

Start 9:
• Found in 25 of 36 (69.4%) of genes in pham
• Manual Annotations of this start: 22 of 30
• 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), Nikan_21 (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), Ren19_21 (AP2), Rizwana_18 (AP1), RomansRevenge_15 (FT), SilentRX_20 (AP4), Tank_19 (AP1), Wilde_19 (AP1),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, FT, AP2, AP3, AP1, AP4, AP, CP,

Info for manual annotations of cluster AP:
•Start number 9 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:
•Start number 9 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 9 was manually annotated 14 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 9 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 9 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster CP:
•Start number 8 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster FT:
•Start number 9 was manually annotated 1 time for cluster FT.

Gene Information:

Gene: AWGoat_105 Start: 13446, Stop: 13589, Start Num: 9
Candidate Starts for AWGoat_105:
(Start: 9 @13446 has 22 MA's),

Gene: Amo99_44 Start: 22933, Stop: 23091, Start Num: 8
Candidate Starts for Amo99_44:
(4, 22639), (Start: 8 @22933 has 7 MA's), (10, 22972), (12, 22990),

Gene: Beagle_26 Start: 13940, Stop: 14083, Start Num: 9
Candidate Starts for Beagle_26:
(Start: 9 @13940 has 22 MA's),

Gene: BetaFish_25 Start: 14143, Stop: 14286, Start Num: 9
Candidate Starts for BetaFish_25:
(Start: 9 @14143 has 22 MA's),

Gene: Boise_15 Start: 11151, Stop: 11297, Start Num: 9
Candidate Starts for Boise_15:
(6, 11067), (Start: 9 @11151 has 22 MA's),

Gene: BruhMoment_20 Start: 13342, Stop: 13485, Start Num: 9
Candidate Starts for BruhMoment_20:
(Start: 9 @13342 has 22 MA's), (15, 13432),

Gene: Clawz_43 Start: 22851, Stop: 23009, Start Num: 8
Candidate Starts for Clawz_43:
(4, 22557), (Start: 8 @22851 has 7 MA's), (10, 22890), (11, 22905), (12, 22908),

Gene: ColdSoup_44 Start: 22933, Stop: 23091, Start Num: 8
Candidate Starts for ColdSoup_44:
(4, 22639), (Start: 8 @22933 has 7 MA's), (10, 22972), (12, 22990),

Gene: DogYard_25 Start: 14010, Stop: 14153, Start Num: 9
Candidate Starts for DogYard_25:
(Start: 9 @14010 has 22 MA's),

Gene: DonTron_43 Start: 23003, Stop: 23161, Start Num: 8
Candidate Starts for DonTron_43:
(1, 22358), (2, 22382), (3, 22553), (4, 22709), (Start: 8 @23003 has 7 MA's), (10, 23042), (12, 23060),

Gene: Forrestell_22 Start: 12648, Stop: 12791, Start Num: 9
Candidate Starts for Forrestell_22:
(Start: 9 @12648 has 22 MA's),

Gene: Hive_25 Start: 14024, Stop: 14167, Start Num: 9

Candidate Starts for Hive_25:
(Start: 9 @14024 has 22 MA's),

Gene: Jollymon_43 Start: 22933, Stop: 23091, Start Num: 8
Candidate Starts for Jollymon_43:
(4, 22639), (Start: 8 @22933 has 7 MA's), (10, 22972), (12, 22990),

Gene: KingstonB_41 Start: 22441, Stop: 22599, Start Num: 8
Candidate Starts for KingstonB_41:
(4, 22147), (Start: 8 @22441 has 7 MA's), (10, 22480), (12, 22498),

Gene: Kubulix_26 Start: 14133, Stop: 14276, Start Num: 9
Candidate Starts for Kubulix_26:
(Start: 9 @14133 has 22 MA's),

Gene: MellowYellow_22 Start: 12675, Stop: 12818, Start Num: 9
Candidate Starts for MellowYellow_22:
(Start: 9 @12675 has 22 MA's),

Gene: Nikan_21 Start: 13187, Stop: 13330, Start Num: 9
Candidate Starts for Nikan_21:
(Start: 9 @13187 has 22 MA's),

Gene: Odyssey395_27 Start: 14135, Stop: 14278, Start Num: 9
Candidate Starts for Odyssey395_27:
(Start: 9 @14135 has 22 MA's),

Gene: Ollypop_23 Start: 13149, Stop: 13292, Start Num: 9
Candidate Starts for Ollypop_23:
(Start: 9 @13149 has 22 MA's),

Gene: PhuzzTulsa_23 Start: 13922, Stop: 14065, Start Num: 9
Candidate Starts for PhuzzTulsa_23:
(Start: 9 @13922 has 22 MA's),

Gene: Pointis_25 Start: 14139, Stop: 14282, Start Num: 9
Candidate Starts for Pointis_25:
(Start: 9 @14139 has 22 MA's),

Gene: Pureglobe5_27 Start: 14149, Stop: 14292, Start Num: 9
Candidate Starts for Pureglobe5_27:
(Start: 9 @14149 has 22 MA's),

Gene: Purplicious_41 Start: 22179, Stop: 22337, Start Num: 8
Candidate Starts for Purplicious_41:
(4, 21885), (Start: 8 @22179 has 7 MA's), (10, 22218), (12, 22236),

Gene: RIPWilbur_23 Start: 13285, Stop: 13428, Start Num: 9
Candidate Starts for RIPWilbur_23:
(Start: 9 @13285 has 22 MA's),

Gene: Ranunculus_19 Start: 13030, Stop: 13173, Start Num: 9
Candidate Starts for Ranunculus_19:

(Start: 9 @13030 has 22 MA's), (13, 13099),

Gene: RazzB_21 Start: 12448, Stop: 12591, Start Num: 9
Candidate Starts for RazzB_21:
(Start: 9 @12448 has 22 MA's),

Gene: Ren19_21 Start: 13187, Stop: 13330, Start Num: 9
Candidate Starts for Ren19_21:
(Start: 9 @13187 has 22 MA's),

Gene: Rizwana_18 Start: 12899, Stop: 13048, Start Num: 9
Candidate Starts for Rizwana_18:
(Start: 9 @12899 has 22 MA's), (15, 12989),

Gene: RomansRevenge_15 Start: 11151, Stop: 11297, Start Num: 9
Candidate Starts for RomansRevenge_15:
(6, 11067), (Start: 9 @11151 has 22 MA's),

Gene: SilentRX_20 Start: 13212, Stop: 13355, Start Num: 9
Candidate Starts for SilentRX_20:
(Start: 9 @13212 has 22 MA's),

Gene: Soos_39 Start: 22170, Stop: 22328, Start Num: 8
Candidate Starts for Soos_39:
(1, 21525), (2, 21549), (3, 21720), (4, 21876), (Start: 8 @22170 has 7 MA's), (10, 22209), (12, 22227),

Gene: Stillion_42 Start: 22755, Stop: 22913, Start Num: 8
Candidate Starts for Stillion_42:
(1, 22110), (2, 22134), (3, 22305), (4, 22461), (Start: 8 @22755 has 7 MA's), (10, 22794), (12, 22812),

Gene: Sting_42 Start: 22609, Stop: 22767, Start Num: 8
Candidate Starts for Sting_42:
(4, 22315), (Start: 8 @22609 has 7 MA's), (10, 22648), (12, 22666),

Gene: Tank_19 Start: 12761, Stop: 12910, Start Num: 9
Candidate Starts for Tank_19:
(5, 12488), (Start: 9 @12761 has 22 MA's),

Gene: Tonitrus_28 Start: 18735, Stop: 18884, Start Num: 7
Candidate Starts for Tonitrus_28:
(Start: 7 @18735 has 1 MA's), (11, 18783), (14, 18810), (16, 18870),

Gene: Wilde_19 Start: 12689, Stop: 12838, Start Num: 9
Candidate Starts for Wilde_19:
(5, 12416), (Start: 9 @12689 has 22 MA's),