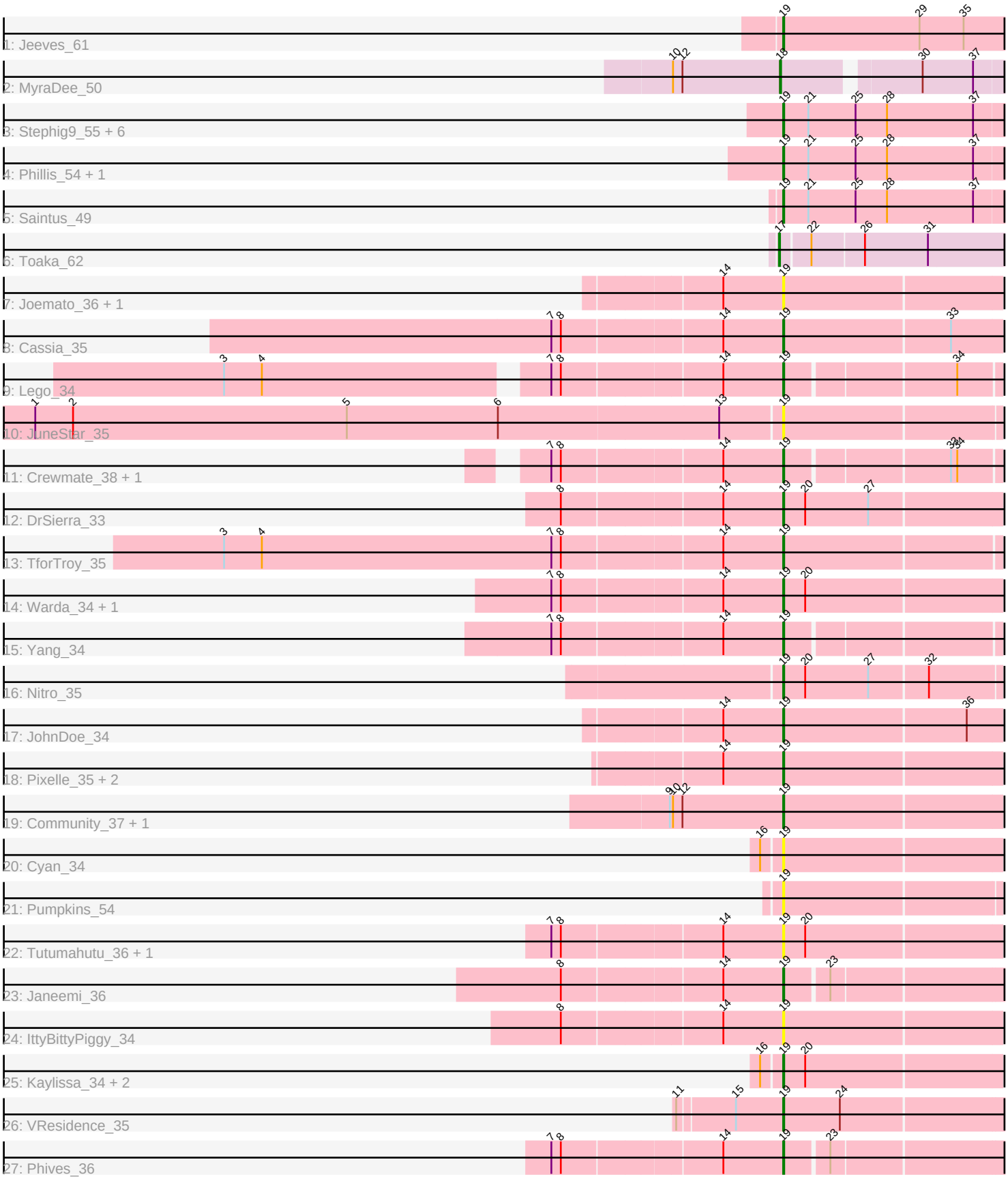
Pham 157989


1: Jeeves_61
2: MyraDee_50
3: Stephig9_55 + 6
4: Phillis_54 + 1
5: Saintus_49
6: Toaka_62
7: Joemato_36 + 1
8: Cassia_35
9: Lego_34
10: JuneStar_35
11: Crewmate_38 + 1
12: DrSierra_33
13: TforTroy_35
14: Warda_34 + 1
15: Yang_34
16: Nitro_35
17: JohnDoe_34
18: Pixelle_35 + 2
19: Community_37 + 1
20: Cyan_34
21: Pumpkins_54
22: Tutumahutu_36 + 1
23: Janeemi_36
24: IttyBittyPiggy_34
25: Kaylissa_34 + 2
26: VResidence_35
27: Phives_36

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 157989 Report

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

Pham number 157989 has 43 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Jeeves_61
• Track 2 : MyraDee_50
• Track 3 : Stephig9_55, Danforth_54, Groundhog_53, Smeadley_55, Astro_54, NearlyHeadless_54, Roary_55
• Track 4 : Phillis_54, Dixon_54
• Track 5 : Saintus_49
• Track 6 : Toaka_62
• Track 7 : Joemato_36, Simpson_36
• Track 8 : Cassia_35
• Track 9 : Lego_34
• Track 10 : JuneStar_35
• Track 11 : Crewmate_38, ObiToo_37
• Track 12 : DrSierra_33
• Track 13 : TforTroy_35
• Track 14 : Warda_34, Tbone_33
• Track 15 : Yang_34
• Track 16 : Nitro_35
• Track 17 : JohnDoe_34
• Track 18 : Pixelle_35, Tian_34, Amyev_34
• Track 19 : Community_37, Tuck_38
• Track 20 : Cyan_34
• Track 21 : Pumpkins_54
• Track 22 : Tutumahutu_36, AGrandiflora_35
• Track 23 : Janeemi_36
• Track 24 : IttyBittyPiggy_34
• Track 25 : Kaylissa_34, Powerpuff_36, YesChef_34
• Track 26 : VResidence_35
• Track 27 : Phives_36

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

The start number called the most often in the published annotations is 19, it was called in 30 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AGrandiflora_35, Amyev_34, Astro_54, Cassia_35, Community_37, Crewmate_38, Cyan_34, Danforth_54, Dixon_54, DrSierra_33, Groundhog_53, IttyBittyPiggy_34, Janeemi_36, Jeeves_61, Joemato_36, JohnDoe_34, JuneStar_35, Kaylissa_34, Lego_34, NearlyHeadless_54, Nitro_35, ObiToo_37, Phillis_54, Phives_36, Pixelle_35, Powerpuff_36, Pumpkins_54, Roary_55, Saintus_49, Simpson_36, Smeadley_55, Stephig9_55, Tbone_33, TforTroy_35, Tian_34, Tuck_38, Tutumahutu_36, VResidence_35, Warda_34, Yang_34, YesChef_34,

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

Genes that do not have the "Most Annotated" start:
• MyraDee_50, Toaka_62,

Summary by start number:

Start 17:
• Found in 1 of 43 (2.3%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Toaka_62 (A9),

Start 18:
• Found in 1 of 43 (2.3%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MyraDee_50 (A18),

Start 19:
• Found in 41 of 43 (95.3%) of genes in pham
• Manual Annotations of this start: 30 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_35 (AZ1), Amyev_34 (AZ1), Astro_54 (A8), Cassia_35 (AZ1), Community_37 (AZ1), Crewmate_38 (AZ1), Cyan_34 (AZ1), Danforth_54 (A8), Dixon_54 (A8), DrSierra_33 (AZ1), Groundhog_53 (A8), IttyBittyPiggy_34 (AZ1), Janeemi_36 (AZ1), Jeeves_61 (A14), Joemato_36 (AZ1), JohnDoe_34 (AZ1), JuneStar_35 (AZ1), Kaylissa_34 (AZ1), Lego_34 (AZ1), NearlyHeadless_54 (A8), Nitro_35 (AZ1), ObiToo_37 (AZ1), Phillis_54 (A8), Phives_36 (AZ1), Pixelle_35 (AZ1), Powerpuff_36 (AZ1), Pumpkins_54 (AZ1), Roary_55 (A8), Saintus_49 (A8), Simpson_36 (AZ1), Smeadley_55 (A8), Stephig9_55 (A8), Tbone_33 (AZ1), TforTroy_35 (AZ1), Tian_34 (AZ1), Tuck_38 (AZ1), Tutumahutu_36 (AZ1), VResidence_35 (AZ1), Warda_34 (AZ1), Yang_34 (AZ1), YesChef_34 (AZ1),

Summary by clusters:

There are 5 clusters represented in this pham: A9, AZ1, A8, A18, A14,

Info for manual annotations of cluster A14:
•Start number 19 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

•Start number 18 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A8:
•Start number 19 was manually annotated 10 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 17 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AZ1:
•Start number 19 was manually annotated 19 times for cluster AZ1.

Gene Information:

Gene: AGrandiflora_35 Start: 24933, Stop: 25136, Start Num: 19
Candidate Starts for AGrandiflora_35:
(7, 24723), (8, 24732), (14, 24876), (Start: 19 @24933 has 30 MA's), (20, 24954),

Gene: Amyev_34 Start: 26617, Stop: 26820, Start Num: 19
Candidate Starts for Amyev_34:
(14, 26560), (Start: 19 @26617 has 30 MA's),

Gene: Astro_54 Start: 36175, Stop: 35966, Start Num: 19
Candidate Starts for Astro_54:
(Start: 19 @36175 has 30 MA's), (21, 36151), (25, 36106), (28, 36076), (37, 35995),

Gene: Cassia_35 Start: 25537, Stop: 25740, Start Num: 19
Candidate Starts for Cassia_35:
(7, 25327), (8, 25336), (14, 25480), (Start: 19 @25537 has 30 MA's), (33, 25693),

Gene: Community_37 Start: 27274, Stop: 27477, Start Num: 19
Candidate Starts for Community_37:
(9, 27166), (10, 27169), (12, 27178), (Start: 19 @27274 has 30 MA's),

Gene: Crewmate_38 Start: 25775, Stop: 25966, Start Num: 19
Candidate Starts for Crewmate_38:
(7, 25565), (8, 25574), (14, 25718), (Start: 19 @25775 has 30 MA's), (33, 25922), (34, 25928),

Gene: Cyan_34 Start: 24987, Stop: 25190, Start Num: 19
Candidate Starts for Cyan_34:
(16, 24969), (Start: 19 @24987 has 30 MA's),

Gene: Danforth_54 Start: 36204, Stop: 35995, Start Num: 19
Candidate Starts for Danforth_54:
(Start: 19 @36204 has 30 MA's), (21, 36180), (25, 36135), (28, 36105), (37, 36024),

Gene: Dixon_54 Start: 36029, Stop: 35820, Start Num: 19
Candidate Starts for Dixon_54:
(Start: 19 @36029 has 30 MA's), (21, 36005), (25, 35960), (28, 35930), (37, 35849),

Gene: DrSierra_33 Start: 23846, Stop: 24049, Start Num: 19
Candidate Starts for DrSierra_33:

(8, 23645), (14, 23789), (Start: 19 @23846 has 30 MA's), (20, 23867), (27, 23927),

Gene: Groundhog_53 Start: 36119, Stop: 35910, Start Num: 19
Candidate Starts for Groundhog_53:
(Start: 19 @36119 has 30 MA's), (21, 36095), (25, 36050), (28, 36020), (37, 35939),

Gene: IttyBittyPiggy_34 Start: 25104, Stop: 25307, Start Num: 19
Candidate Starts for IttyBittyPiggy_34:
(8, 24903), (14, 25047), (Start: 19 @25104 has 30 MA's),

Gene: Janeemi_36 Start: 27086, Stop: 27283, Start Num: 19
Candidate Starts for Janeemi_36:
(8, 26885), (14, 27029), (Start: 19 @27086 has 30 MA's), (23, 27125),

Gene: Jeeves_61 Start: 37860, Stop: 37645, Start Num: 19
Candidate Starts for Jeeves_61:
(Start: 19 @37860 has 30 MA's), (29, 37731), (35, 37689),

Gene: Joemato_36 Start: 25018, Stop: 25221, Start Num: 19
Candidate Starts for Joemato_36:
(14, 24961), (Start: 19 @25018 has 30 MA's),

Gene: JohnDoe_34 Start: 25009, Stop: 25212, Start Num: 19
Candidate Starts for JohnDoe_34:
(14, 24952), (Start: 19 @25009 has 30 MA's), (36, 25180),

Gene: JuneStar_35 Start: 27209, Stop: 27409, Start Num: 19
Candidate Starts for JuneStar_35:
(1, 26504), (2, 26540), (5, 26801), (6, 26945), (13, 27152), (Start: 19 @27209 has 30 MA's),

Gene: Kaylissa_34 Start: 24954, Stop: 25157, Start Num: 19
Candidate Starts for Kaylissa_34:
(16, 24936), (Start: 19 @24954 has 30 MA's), (20, 24975),

Gene: Lego_34 Start: 24912, Stop: 25103, Start Num: 19
Candidate Starts for Lego_34:
(3, 24414), (4, 24450), (7, 24702), (8, 24711), (14, 24855), (Start: 19 @24912 has 30 MA's), (34, 25065),

Gene: MyraDee_50 Start: 34055, Stop: 33861, Start Num: 18
Candidate Starts for MyraDee_50:
(10, 34157), (12, 34148), (Start: 18 @34055 has 1 MA's), (30, 33938), (37, 33890),

Gene: NearlyHeadless_54 Start: 35970, Stop: 35761, Start Num: 19
Candidate Starts for NearlyHeadless_54:
(Start: 19 @35970 has 30 MA's), (21, 35946), (25, 35901), (28, 35871), (37, 35790),

Gene: Nitro_35 Start: 26385, Stop: 26585, Start Num: 19
Candidate Starts for Nitro_35:
(Start: 19 @26385 has 30 MA's), (20, 26406), (27, 26466), (32, 26520),

Gene: ObiToo_37 Start: 25515, Stop: 25706, Start Num: 19
Candidate Starts for ObiToo_37:

(7, 25305), (8, 25314), (14, 25458), (Start: 19 @25515 has 30 MA's), (33, 25662), (34, 25668),

Gene: Phillis_54 Start: 36172, Stop: 35963, Start Num: 19
Candidate Starts for Phillis_54:
(Start: 19 @36172 has 30 MA's), (21, 36148), (25, 36103), (28, 36073), (37, 35992),

Gene: Phives_36 Start: 26903, Stop: 27100, Start Num: 19
Candidate Starts for Phives_36:
(7, 26693), (8, 26702), (14, 26846), (Start: 19 @26903 has 30 MA's), (23, 26942),

Gene: Pixelle_35 Start: 26637, Stop: 26840, Start Num: 19
Candidate Starts for Pixelle_35:
(14, 26580), (Start: 19 @26637 has 30 MA's),

Gene: Powerpuff_36 Start: 26103, Stop: 26306, Start Num: 19
Candidate Starts for Powerpuff_36:
(16, 26085), (Start: 19 @26103 has 30 MA's), (20, 26124),

Gene: Pumpkins_54 Start: 25759, Stop: 25959, Start Num: 19
Candidate Starts for Pumpkins_54:
(Start: 19 @25759 has 30 MA's),

Gene: Roary_55 Start: 36189, Stop: 35980, Start Num: 19
Candidate Starts for Roary_55:
(Start: 19 @36189 has 30 MA's), (21, 36165), (25, 36120), (28, 36090), (37, 36009),

Gene: Saintus_49 Start: 32896, Stop: 32687, Start Num: 19
Candidate Starts for Saintus_49:
(Start: 19 @32896 has 30 MA's), (21, 32872), (25, 32827), (28, 32797), (37, 32716),

Gene: Simpson_36 Start: 25018, Stop: 25221, Start Num: 19
Candidate Starts for Simpson_36:
(14, 24961), (Start: 19 @25018 has 30 MA's),

Gene: Smeadley_55 Start: 36355, Stop: 36146, Start Num: 19
Candidate Starts for Smeadley_55:
(Start: 19 @36355 has 30 MA's), (21, 36331), (25, 36286), (28, 36256), (37, 36175),

Gene: Stephig9_55 Start: 36421, Stop: 36212, Start Num: 19
Candidate Starts for Stephig9_55:
(Start: 19 @36421 has 30 MA's), (21, 36397), (25, 36352), (28, 36322), (37, 36241),

Gene: Tbone_33 Start: 24813, Stop: 25016, Start Num: 19
Candidate Starts for Tbone_33:
(7, 24603), (8, 24612), (14, 24756), (Start: 19 @24813 has 30 MA's), (20, 24834),

Gene: TforTroy_35 Start: 25631, Stop: 25831, Start Num: 19
Candidate Starts for TforTroy_35:
(3, 25109), (4, 25145), (7, 25421), (8, 25430), (14, 25574), (Start: 19 @25631 has 30 MA's),

Gene: Tian_34 Start: 26617, Stop: 26820, Start Num: 19
Candidate Starts for Tian_34:
(14, 26560), (Start: 19 @26617 has 30 MA's),

Gene: Toaka_62 Start: 39506, Stop: 39294, Start Num: 17
Candidate Starts for Toaka_62:
(Start: 17 @39506 has 1 MA's), (22, 39479), (26, 39431), (31, 39371),

Gene: Tuck_38 Start: 27655, Stop: 27858, Start Num: 19
Candidate Starts for Tuck_38:
(9, 27547), (10, 27550), (12, 27559), (Start: 19 @27655 has 30 MA's),

Gene: Tutumahutu_36 Start: 24985, Stop: 25188, Start Num: 19
Candidate Starts for Tutumahutu_36:
(7, 24775), (8, 24784), (14, 24928), (Start: 19 @24985 has 30 MA's), (20, 25006),

Gene: VResidence_35 Start: 25149, Stop: 25406, Start Num: 19
Candidate Starts for VResidence_35:
(11, 25053), (15, 25104), (Start: 19 @25149 has 30 MA's), (24, 25203),

Gene: Warda_34 Start: 24989, Stop: 25192, Start Num: 19
Candidate Starts for Warda_34:
(7, 24779), (8, 24788), (14, 24932), (Start: 19 @24989 has 30 MA's), (20, 25010),

Gene: Yang_34 Start: 25130, Stop: 25321, Start Num: 19
Candidate Starts for Yang_34:
(7, 24920), (8, 24929), (14, 25073), (Start: 19 @25130 has 30 MA's),

Gene: YesChef_34 Start: 24962, Stop: 25165, Start Num: 19
Candidate Starts for YesChef_34:
(16, 24944), (Start: 19 @24962 has 30 MA's), (20, 24983),