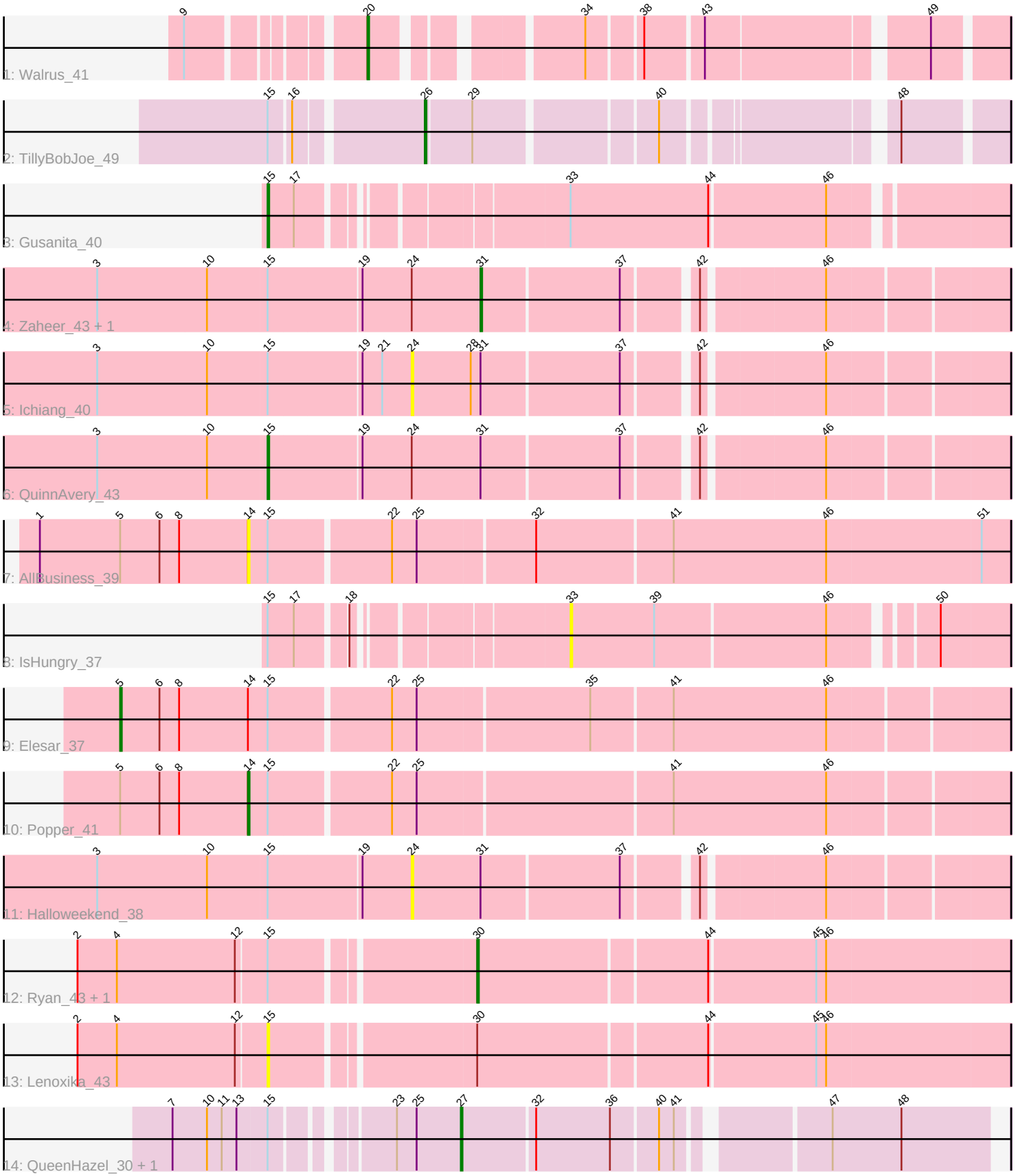
Pham 203374


1: Walrus_41
2: TillyBobJoe_49
3: Gusanita_40
4: Zaheer_43 + 1
5: Ichiang_40
6: QuinnAvery_43
7: AllBusiness_39
8: IsHungry_37
9: Elesar_37
10: Popper_41
11: Halloweekend_38
12: Ryan_43 + 1
13: Lenoxika_43
14: QueenHazel_30 + 1

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 203374 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203374 has 17 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Walrus_41
• Track 2 : TillyBobJoe_49
• Track 3 : Gusanita_40
• Track 4 : Zaheer_43, Cole_40
• Track 5 : Ichiang_40
• Track 6 : QuinnAvery_43
• Track 7 : AllBusiness_39
• Track 8 : IsHungry_37
• Track 9 : Elesar_37
• Track 10 : Popper_41
• Track 11 : Halloweekend_38
• Track 12 : Ryan_43, Nandita_43
• Track 13 : Lenoxika_43
• Track 14 : QueenHazel_30, Xula_29

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

The start number called the most often in the published annotations is 15, it was called in 2 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gusanita_40, Lenoxika_43, QuinnAvery_43,

Genes that have the "Most Annotated" start but do not call it:
• AllBusiness_39, Cole_40, Elesar_37, Halloweekend_38, Ichiang_40, IsHungry_37, Nandita_43, Popper_41, QueenHazel_30, Ryan_43, TillyBobJoe_49, Xula_29, Zaheer_43,

Genes that do not have the "Most Annotated" start:
• Walrus_41,

Summary by start number:

Start 5:

• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Elesar_37 (FF),

Start 14:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AllBusiness_39 (FF), Popper_41 (FF),

Start 15:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Gusanita_40 (FF), Lenoxika_43 (FF), QuinnAvery_43 (FF),

Start 20:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Walrus_41 (CV),

Start 24:
• Found in 5 of 17 (29.4%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Halloweekend_38 (FF), Ichiang_40 (FF),

Start 26:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TillyBobJoe_49 (DC1),

Start 27:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: QueenHazel_30 (I1), Xula_29 (I1),

Start 30:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Nandita_43 (FF), Ryan_43 (FF),

Start 31:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Cole_40 (FF), Zaheer_43 (FF),

Start 33:
• Found in 2 of 17 (11.8%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: IsHungry_37 (FF),

Summary by clusters:

There are 4 clusters represented in this pham: I1, CV, FF, DC1,

Info for manual annotations of cluster CV:
•Start number 20 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DC1:
•Start number 26 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 1 time for cluster FF.
•Start number 14 was manually annotated 1 time for cluster FF.
•Start number 15 was manually annotated 2 times for cluster FF.
•Start number 30 was manually annotated 2 times for cluster FF.
•Start number 31 was manually annotated 2 times for cluster FF.

Info for manual annotations of cluster I1:
•Start number 27 was manually annotated 2 times for cluster I1.

Gene Information:

Gene: AllBusiness_39 Start: 31057, Stop: 30608, Start Num: 14
Candidate Starts for AllBusiness_39:
(1, 31183), (Start: 5 @31135 has 1 MA's), (6, 31111), (8, 31099), (Start: 14 @31057 has 1 MA's), (Start: 15 @31045 has 2 MA's), (22, 30976), (25, 30961), (32, 30892), (41, 30811), (46, 30718), (51, 30625),

Gene: Cole_40 Start: 29705, Stop: 29412, Start Num: 31
Candidate Starts for Cole_40:
(3, 29933), (10, 29867), (Start: 15 @29831 has 2 MA's), (19, 29777), (24, 29747), (Start: 31 @29705 has 2 MA's), (37, 29624), (42, 29585), (46, 29516),

Gene: Elesar_37 Start: 30914, Stop: 30393, Start Num: 5
Candidate Starts for Elesar_37:
(Start: 5 @30914 has 1 MA's), (6, 30890), (8, 30878), (Start: 14 @30836 has 1 MA's), (Start: 15 @30824 has 2 MA's), (22, 30755), (25, 30740), (35, 30638), (41, 30590), (46, 30497),

Gene: Gusanita_40 Start: 30510, Stop: 30103, Start Num: 15
Candidate Starts for Gusanita_40:
(Start: 15 @30510 has 2 MA's), (17, 30495), (33, 30354), (44, 30270), (46, 30201),

Gene: Halloweekend_38 Start: 29380, Stop: 29045, Start Num: 24
Candidate Starts for Halloweekend_38:

(3, 29566), (10, 29500), (Start: 15 @29464 has 2 MA's), (19, 29410), (24, 29380), (Start: 31 @29338 has 2 MA's), (37, 29257), (42, 29218), (46, 29149),

Gene: Ichiang_40 Start: 29399, Stop: 29064, Start Num: 24
Candidate Starts for Ichiang_40:
(3, 29585), (10, 29519), (Start: 15 @29483 has 2 MA's), (19, 29429), (21, 29417), (24, 29399), (28, 29363), (Start: 31 @29357 has 2 MA's), (37, 29276), (42, 29237), (46, 29168),

Gene: IsHungry_37 Start: 28541, Stop: 28293, Start Num: 33
Candidate Starts for IsHungry_37:
(Start: 15 @28697 has 2 MA's), (17, 28682), (18, 28655), (33, 28541), (39, 28490), (46, 28388), (50, 28334),

Gene: Lenoxika_43 Start: 30210, Stop: 29782, Start Num: 15
Candidate Starts for Lenoxika_43:
(2, 30324), (4, 30300), (12, 30228), (Start: 15 @30210 has 2 MA's), (Start: 30 @30096 has 2 MA's), (44, 29961), (45, 29898), (46, 29892),

Gene: Nandita_43 Start: 29959, Stop: 29645, Start Num: 30
Candidate Starts for Nandita_43:
(2, 30187), (4, 30163), (12, 30091), (Start: 15 @30073 has 2 MA's), (Start: 30 @29959 has 2 MA's), (44, 29824), (45, 29761), (46, 29755),

Gene: Popper_41 Start: 29991, Stop: 29548, Start Num: 14
Candidate Starts for Popper_41:
(Start: 5 @30069 has 1 MA's), (6, 30045), (8, 30033), (Start: 14 @29991 has 1 MA's), (Start: 15 @29979 has 2 MA's), (22, 29910), (25, 29895), (41, 29745), (46, 29652),

Gene: QueenHazel_30 Start: 27405, Stop: 27109, Start Num: 27
Candidate Starts for QueenHazel_30:
(7, 27561), (10, 27540), (11, 27531), (13, 27522), (Start: 15 @27504 has 2 MA's), (23, 27444), (25, 27432), (Start: 27 @27405 has 2 MA's), (32, 27363), (36, 27318), (40, 27291), (41, 27282), (47, 27204), (48, 27162),

Gene: QuinnAvery_43 Start: 30914, Stop: 30495, Start Num: 15
Candidate Starts for QuinnAvery_43:
(3, 31016), (10, 30950), (Start: 15 @30914 has 2 MA's), (19, 30860), (24, 30830), (Start: 31 @30788 has 2 MA's), (37, 30707), (42, 30668), (46, 30599),

Gene: Ryan_43 Start: 30508, Stop: 30194, Start Num: 30
Candidate Starts for Ryan_43:
(2, 30736), (4, 30712), (12, 30640), (Start: 15 @30622 has 2 MA's), (Start: 30 @30508 has 2 MA's), (44, 30373), (45, 30310), (46, 30304),

Gene: TillyBobJoe_49 Start: 39897, Stop: 39586, Start Num: 26
Candidate Starts for TillyBobJoe_49:
(Start: 15 @39981 has 2 MA's), (16, 39969), (Start: 26 @39897 has 1 MA's), (29, 39870), (40, 39768), (48, 39645),

Gene: Walrus_41 Start: 32609, Stop: 32277, Start Num: 20
Candidate Starts for Walrus_41:
(9, 32699), (Start: 20 @32609 has 1 MA's), (34, 32504), (38, 32474), (43, 32441), (49, 32318),

Gene: Xula_29 Start: 26929, Stop: 26633, Start Num: 27
Candidate Starts for Xula_29:
(7, 27085), (10, 27064), (11, 27055), (13, 27046), (Start: 15 @27028 has 2 MA's), (23, 26968), (25, 26956), (Start: 27 @26929 has 2 MA's), (32, 26887), (36, 26842), (40, 26815), (41, 26806), (47, 26728), (48, 26686),

Gene: Zaheer_43 Start: 31154, Stop: 30861, Start Num: 31
Candidate Starts for Zaheer_43:
(3, 31382), (10, 31316), (Start: 15 @31280 has 2 MA's), (19, 31226), (24, 31196), (Start: 31 @31154 has 2 MA's), (37, 31073), (42, 31034), (46, 30965),