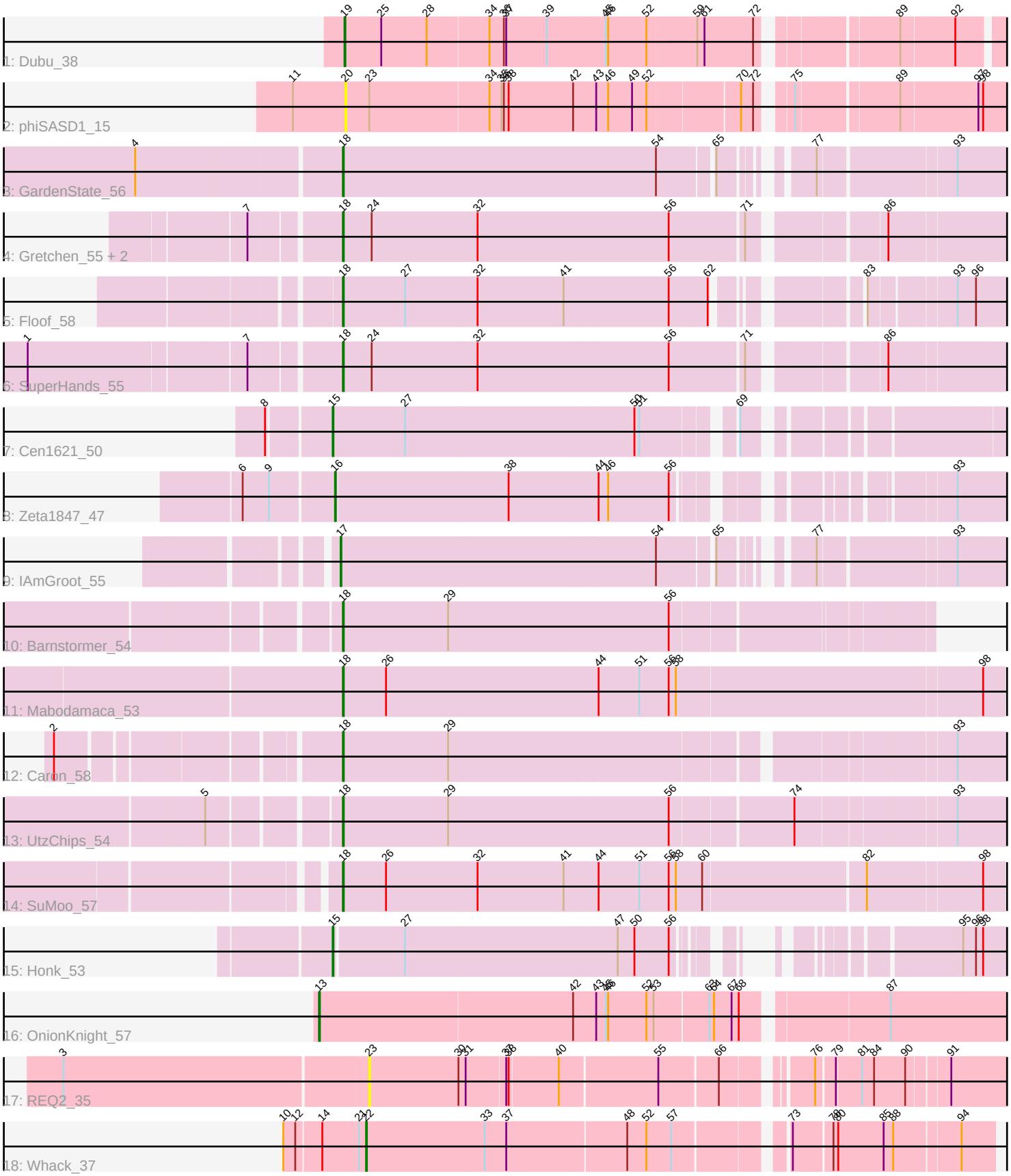
Pham 348065


1: Dubu_38
2: phiSASD1_15
3: GardenState_56
4: Gretchen_55 + 2
5: Floof_58
6: SuperHands_55
7: Cen1621_50
8: Zeta1847_47
9: IAmGroot_55
10: Barnstormer_54
11: Mabodamaca_53
12: Caron_58
13: UtzChips_54
14: SuMoo_57
15: Honk_53
16: OnionKnight_57
17: REQ2_35
18: Whack_37

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 348065 Report

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

Pham number 348065 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dubu_38
• Track 2 : phiSASD1_15
• Track 3 : GardenState_56
• Track 4 : Gretchen_55, Percival_56, Forester_54
• Track 5 : Floof_58
• Track 6 : SuperHands_55
• Track 7 : Cen1621_50
• Track 8 : Zeta1847_47
• Track 9 : IAmGroot_55
• Track 10 : Barnstormer_54
• Track 11 : Mabodamaca_53
• Track 12 : Caron_58
• Track 13 : UtzChips_54
• Track 14 : SuMoo_57
• Track 15 : Honk_53
• Track 16 : OnionKnight_57
• Track 17 : REQ2_35
• Track 18 : Whack_37

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

The start number called the most often in the published annotations is 18, it was called in 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barnstormer_54, Caron_58, Floof_58, Forester_54, GardenState_56, Gretchen_55, Mabodamaca_53, Percival_56, SuMoo_57, SuperHands_55, UtzChips_54,

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

Genes that do not have the "Most Annotated" start:
• Cen1621_50, Dubu_38, Honk_53, IAmGroot_55, OnionKnight_57, REQ2_35, Whack_37, Zeta1847_47, phiSASD1_15,

Summary by start number:

Start 13:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OnionKnight_57 (singleton),

Start 15:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cen1621_50 (EH), Honk_53 (EH),

Start 16:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_47 (EH),

Start 17:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IAmGroot_55 (EH),

Start 18:
• Found in 11 of 20 (55.0%) of genes in pham
• Manual Annotations of this start: 11 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_54 (EH), Caron_58 (EH), Floof_58 (EH), Forester_54 (EH), GardenState_56 (EH), Gretchen_55 (EH), Mabodamaca_53 (EH), Percival_56 (EH), SuMoo_57 (EH), SuperHands_55 (EH), UtzChips_54 (EH),

Start 19:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dubu_38 (BJ),

Start 20:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiSASD1_15 (BJ),

Start 22:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Whack_37 (singleton),

Start 23:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: REQ2_35 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, EH, BJ,

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

Info for manual annotations of cluster EH:
•Start number 15 was manually annotated 2 times for cluster EH.
•Start number 16 was manually annotated 1 time for cluster EH.
•Start number 17 was manually annotated 1 time for cluster EH.
•Start number 18 was manually annotated 11 times for cluster EH.

Gene Information:

Gene: Barnstormer_54 Start: 35694, Stop: 36401, Start Num: 18
Candidate Starts for Barnstormer_54:
(Start: 18 @35694 has 11 MA's), (29, 35826), (56, 36099),

Gene: Caron_58 Start: 36781, Stop: 37575, Start Num: 18
Candidate Starts for Caron_58:
(2, 36472), (Start: 18 @36781 has 11 MA's), (29, 36913), (93, 37498),

Gene: Cen1621_50 Start: 34557, Stop: 35321, Start Num: 15
Candidate Starts for Cen1621_50:
(8, 34485), (Start: 15 @34557 has 2 MA's), (27, 34647), (50, 34932), (51, 34938), (69, 35034),

Gene: Dubu_38 Start: 31665, Stop: 32426, Start Num: 19
Candidate Starts for Dubu_38:
(Start: 19 @31665 has 1 MA's), (25, 31707), (28, 31764), (34, 31839), (36, 31857), (37, 31860), (39, 31911), (45, 31983), (46, 31986), (52, 32034), (59, 32094), (61, 32103), (72, 32163), (89, 32310), (92, 32373),

Gene: Floof_58 Start: 37269, Stop: 38048, Start Num: 18
Candidate Starts for Floof_58:
(Start: 18 @37269 has 11 MA's), (27, 37347), (32, 37437), (41, 37545), (56, 37674), (62, 37722), (83, 37857), (93, 37956), (96, 37977),

Gene: Forester_54 Start: 37654, Stop: 38451, Start Num: 18
Candidate Starts for Forester_54:
(7, 37549), (Start: 18 @37654 has 11 MA's), (24, 37690), (32, 37822), (56, 38059), (71, 38149), (86, 38293),

Gene: GardenState_56 Start: 36236, Stop: 36994, Start Num: 18

Candidate Starts for GardenState_56:
(4, 35990), (Start: 18 @36236 has 11 MA's), (54, 36626), (65, 36689), (77, 36770), (93, 36929),

Gene: Gretchen_55 Start: 37328, Stop: 38125, Start Num: 18
Candidate Starts for Gretchen_55:
(7, 37223), (Start: 18 @37328 has 11 MA's), (24, 37364), (32, 37496), (56, 37733), (71, 37823), (86, 37967),

Gene: Honk_53 Start: 34819, Stop: 35538, Start Num: 15
Candidate Starts for Honk_53:
(Start: 15 @34819 has 2 MA's), (27, 34903), (47, 35167), (50, 35188), (56, 35230), (95, 35458), (96, 35473), (98, 35482),

Gene: IAmGroot_55 Start: 36441, Stop: 37202, Start Num: 17
Candidate Starts for IAmGroot_55:
(Start: 17 @36441 has 1 MA's), (54, 36834), (65, 36897), (77, 36978), (93, 37137),

Gene: Mabodamaca_53 Start: 37633, Stop: 38448, Start Num: 18
Candidate Starts for Mabodamaca_53:
(Start: 18 @37633 has 11 MA's), (26, 37687), (44, 37951), (51, 38002), (56, 38038), (58, 38047), (98, 38422),

Gene: OnionKnight_57 Start: 37093, Stop: 37911, Start Num: 13
Candidate Starts for OnionKnight_57:
(Start: 13 @37093 has 1 MA's), (42, 37408), (43, 37435), (45, 37447), (46, 37450), (52, 37498), (53, 37507), (63, 37567), (64, 37573), (67, 37594), (68, 37603), (87, 37768),

Gene: Percival_56 Start: 37164, Stop: 37961, Start Num: 18
Candidate Starts for Percival_56:
(7, 37059), (Start: 18 @37164 has 11 MA's), (24, 37200), (32, 37332), (56, 37569), (71, 37659), (86, 37803),

Gene: REQ2_35 Start: 28975, Stop: 28247, Start Num: 23
Candidate Starts for REQ2_35:
(3, 29350), (23, 28975), (30, 28864), (31, 28855), (37, 28807), (38, 28804), (40, 28747), (55, 28627), (66, 28558), (76, 28468), (79, 28447), (81, 28417), (84, 28402), (90, 28363), (91, 28315),

Gene: SuMoo_57 Start: 37124, Stop: 37933, Start Num: 18
Candidate Starts for SuMoo_57:
(Start: 18 @37124 has 11 MA's), (26, 37178), (32, 37292), (41, 37400), (44, 37442), (51, 37493), (56, 37529), (58, 37538), (60, 37571), (82, 37769), (98, 37907),

Gene: SuperHands_55 Start: 37819, Stop: 38616, Start Num: 18
Candidate Starts for SuperHands_55:
(1, 37450), (7, 37714), (Start: 18 @37819 has 11 MA's), (24, 37855), (32, 37987), (56, 38224), (71, 38314), (86, 38458),

Gene: UtzChips_54 Start: 35679, Stop: 36491, Start Num: 18
Candidate Starts for UtzChips_54:
(5, 35541), (Start: 18 @35679 has 11 MA's), (29, 35811), (56, 36084), (74, 36228), (93, 36414),

Gene: Whack_37 Start: 30470, Stop: 29745, Start Num: 22
Candidate Starts for Whack_37:

(10, 30566), (12, 30551), (14, 30521), (21, 30479), (Start: 22 @30470 has 1 MA's), (33, 30323), (37, 30296), (48, 30152), (52, 30128), (57, 30098), (73, 29981), (78, 29936), (80, 29930), (85, 29873), (88, 29861), (94, 29786),

Gene: Zeta1847_47 Start: 34179, Stop: 34964, Start Num: 16
Candidate Starts for Zeta1847_47:
(6, 34071), (9, 34104), (Start: 16 @34179 has 1 MA's), (38, 34392), (44, 34503), (46, 34515), (56, 34590), (93, 34854),

Gene: phiSASD1_15 Start: 32286, Stop: 33056, Start Num: 20
Candidate Starts for phiSASD1_15:
(11, 32220), (20, 32286), (23, 32313), (34, 32460), (35, 32475), (36, 32478), (38, 32484), (42, 32565), (43, 32592), (46, 32607), (49, 32637), (52, 32655), (70, 32763), (72, 32778), (75, 32808), (89, 32928), (97, 33018), (98, 33024),