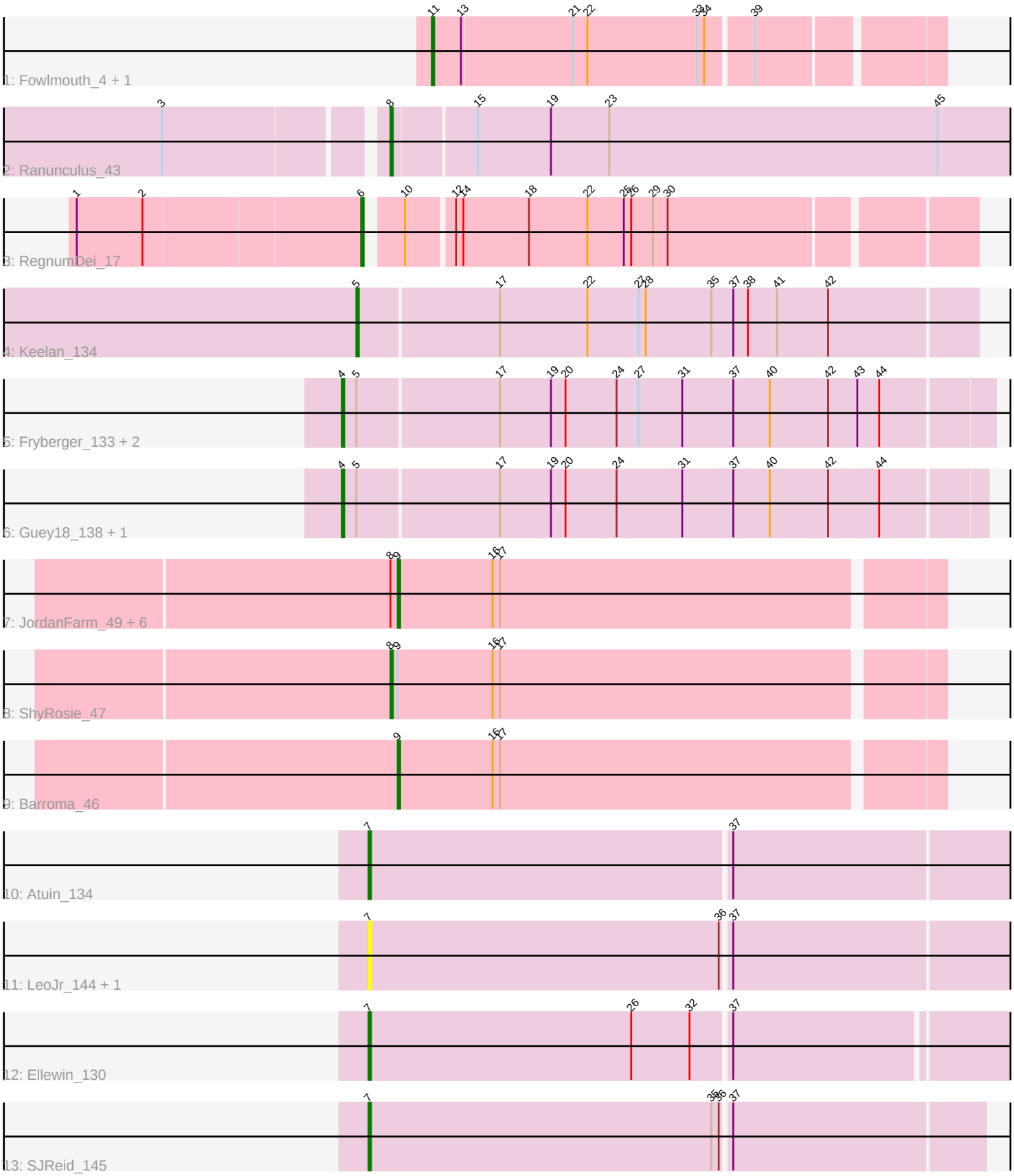
Pham 311965


1: Fowlmouth_4 + 1
2: Ranunculus_43
3: RegnumDei_17
4: Keelan_134
5: Fryberger_133 + 2
6: Guey18_138 + 1
7: JordanFarm_49 + 6
8: ShyRosie_47
9: Barroma_46
10: Atuin_134
11: LeoJr_144 + 1
12: Ellewin_130
13: SJReid_145

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 311965 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311965 has 24 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Fowlmouth_4, MrMiyagi_4
• Track 2 : Ranunculus_43
• Track 3 : RegnumDei_17
• Track 4 : Keelan_134
• Track 5 : Fryberger_133, Volt_138, Ronaldo_135
• Track 6 : Guey18_138, Ziko_137
• Track 7 : JordanFarm_49, Waterlily_50, Truong_47, Ashton_48, AloeVera_48, SoilSleuth_49, Akoni_47
• Track 8 : ShyRosie_47
• Track 9 : Barroma_46
• Track 10 : Atuin_134
• Track 11 : LeoJr_144, ReginaGlobina_143
• Track 12 : Ellewin_130
• Track 13 : SJReid_145

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 6 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akoni_47, AloeVera_48, Ashton_48, Barroma_46, JordanFarm_49, SoilSleuth_49, Truong_47, Waterlily_50,

Genes that have the "Most Annotated" start but do not call it:
• ShyRosie_47,

Genes that do not have the "Most Annotated" start:
• Atuin_134, Ellewin_130, Fowlmouth_4, Fryberger_133, Guey18_138, Keelan_134, LeoJr_144, MrMiyagi_4, Ranunculus_43, ReginaGlobina_143, RegnumDei_17, Ronaldo_135, SJReid_145, Volt_138, Ziko_137,

Summary by start number:

Start 4:
• Found in 5 of 24 (20.8%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_133 (DP), Guey18_138 (DP), Ronaldo_135 (DP), Volt_138 (DP), Ziko_137 (DP),

Start 5:
• Found in 6 of 24 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Keelan_134 (DP),

Start 6:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RegnumDei_17 (CF),

Start 7:
• Found in 5 of 24 (20.8%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_134 (FC), Ellewin_130 (FC), LeoJr_144 (FC), ReginaGlobina_143 (FC), SJReid_145 (FC),

Start 8:
• Found in 9 of 24 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Ranunculus_43 (AP), ShyRosie_47 (EK2),

Start 9:
• Found in 9 of 24 (37.5%) of genes in pham
• Manual Annotations of this start: 6 of 20
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Akoni_47 (EK2), AloeVera_48 (EK2), Ashton_48 (EK2), Barroma_46 (EK2), JordanFarm_49 (EK2), SoilSleuth_49 (EK2), Truong_47 (EK2), Waterlily_50 (EK2),

Start 11:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fowlmouth_4 (AC), MrMiyagi_4 (AC),

Summary by clusters:

There are 6 clusters represented in this pham: AC, CF, AP, FC, EK2, DP,

Info for manual annotations of cluster AC:
•Start number 11 was manually annotated 2 times for cluster AC.

Info for manual annotations of cluster AP:
•Start number 8 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster CF:
•Start number 6 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster DP:
•Start number 4 was manually annotated 5 times for cluster DP.
•Start number 5 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster EK2:
•Start number 8 was manually annotated 1 time for cluster EK2.
•Start number 9 was manually annotated 6 times for cluster EK2.

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 3 times for cluster FC.

Gene Information:

Gene: Akoni_47 Start: 48233, Stop: 48451, Start Num: 9
Candidate Starts for Akoni_47:
(Start: 8 @48230 has 2 MA's), (Start: 9 @48233 has 6 MA's), (16, 48272), (17, 48275),

Gene: AloeVera_48 Start: 48446, Stop: 48664, Start Num: 9
Candidate Starts for AloeVera_48:
(Start: 8 @48443 has 2 MA's), (Start: 9 @48446 has 6 MA's), (16, 48485), (17, 48488),

Gene: Ashton_48 Start: 48445, Stop: 48663, Start Num: 9
Candidate Starts for Ashton_48:
(Start: 8 @48442 has 2 MA's), (Start: 9 @48445 has 6 MA's), (16, 48484), (17, 48487),

Gene: Atuin_134 Start: 97267, Stop: 97545, Start Num: 7
Candidate Starts for Atuin_134:
(Start: 7 @97267 has 3 MA's), (37, 97414),

Gene: Barroma_46 Start: 48235, Stop: 48453, Start Num: 9
Candidate Starts for Barroma_46:
(Start: 9 @48235 has 6 MA's), (16, 48274), (17, 48277),

Gene: Ellewin_130 Start: 93437, Stop: 93703, Start Num: 7
Candidate Starts for Ellewin_130:
(Start: 7 @93437 has 3 MA's), (26, 93545), (32, 93569), (37, 93584),

Gene: Fowlmouth_4 Start: 3411, Stop: 3611, Start Num: 11
Candidate Starts for Fowlmouth_4:
(Start: 11 @3411 has 2 MA's), (13, 3423), (21, 3468), (22, 3474), (33, 3519), (34, 3522), (39, 3540),

Gene: Fryberger_133 Start: 63596, Stop: 63859, Start Num: 4
Candidate Starts for Fryberger_133:

(Start: 4 @63596 has 5 MA's), (Start: 5 @63602 has 1 MA's), (17, 63659), (19, 63680), (20, 63686), (24, 63707), (27, 63716), (31, 63734), (37, 63755), (40, 63770), (42, 63794), (43, 63806), (44, 63815),

Gene: Guey18_138 Start: 64810, Stop: 65070, Start Num: 4
Candidate Starts for Guey18_138:
(Start: 4 @64810 has 5 MA's), (Start: 5 @64816 has 1 MA's), (17, 64873), (19, 64894), (20, 64900), (24, 64921), (31, 64948), (37, 64969), (40, 64984), (42, 65008), (44, 65029),

Gene: JordanFarm_49 Start: 48446, Stop: 48664, Start Num: 9
Candidate Starts for JordanFarm_49:
(Start: 8 @48443 has 2 MA's), (Start: 9 @48446 has 6 MA's), (16, 48485), (17, 48488),

Gene: Keelan_134 Start: 64318, Stop: 64569, Start Num: 5
Candidate Starts for Keelan_134:
(Start: 5 @64318 has 1 MA's), (17, 64375), (22, 64411), (27, 64432), (28, 64435), (35, 64462), (37, 64471), (38, 64477), (41, 64489), (42, 64510),

Gene: LeoJr_144 Start: 97868, Stop: 98146, Start Num: 7
Candidate Starts for LeoJr_144:
(Start: 7 @97868 has 3 MA's), (36, 98012), (37, 98015),

Gene: MrMiyagi_4 Start: 3411, Stop: 3611, Start Num: 11
Candidate Starts for MrMiyagi_4:
(Start: 11 @3411 has 2 MA's), (13, 3423), (21, 3468), (22, 3474), (33, 3519), (34, 3522), (39, 3540),

Gene: Ranunculus_43 Start: 38123, Stop: 38419, Start Num: 8
Candidate Starts for Ranunculus_43:
(3, 38039), (Start: 8 @38123 has 2 MA's), (15, 38156), (19, 38186), (23, 38210), (45, 38345),

Gene: ReginaGlobina_143 Start: 98090, Stop: 98368, Start Num: 7
Candidate Starts for ReginaGlobina_143:
(Start: 7 @98090 has 3 MA's), (36, 98234), (37, 98237),

Gene: RegnumDei_17 Start: 12127, Stop: 12363, Start Num: 6
Candidate Starts for RegnumDei_17:
(1, 12013), (2, 12040), (Start: 6 @12127 has 1 MA's), (10, 12139), (12, 12157), (14, 12160), (18, 12187), (22, 12211), (25, 12226), (26, 12229), (29, 12238), (30, 12244),

Gene: Ronaldo_135 Start: 64501, Stop: 64764, Start Num: 4
Candidate Starts for Ronaldo_135:
(Start: 4 @64501 has 5 MA's), (Start: 5 @64507 has 1 MA's), (17, 64564), (19, 64585), (20, 64591), (24, 64612), (27, 64621), (31, 64639), (37, 64660), (40, 64675), (42, 64699), (43, 64711), (44, 64720),

Gene: SJReid_145 Start: 88739, Stop: 88987, Start Num: 7
Candidate Starts for SJReid_145:
(Start: 7 @88739 has 3 MA's), (35, 88880), (36, 88883), (37, 88886),

Gene: ShyRosie_47 Start: 48452, Stop: 48673, Start Num: 8
Candidate Starts for ShyRosie_47:
(Start: 8 @48452 has 2 MA's), (Start: 9 @48455 has 6 MA's), (16, 48494), (17, 48497),

Gene: SoilSleuth_49 Start: 48277, Stop: 48495, Start Num: 9
Candidate Starts for SoilSleuth_49:

(Start: 8 @48274 has 2 MA's), (Start: 9 @48277 has 6 MA's), (16, 48316), (17, 48319),

Gene: Truong_47 Start: 48235, Stop: 48453, Start Num: 9
Candidate Starts for Truong_47:
(Start: 8 @48232 has 2 MA's), (Start: 9 @48235 has 6 MA's), (16, 48274), (17, 48277),

Gene: Volt_138 Start: 64665, Stop: 64928, Start Num: 4
Candidate Starts for Volt_138:
(Start: 4 @64665 has 5 MA's), (Start: 5 @64671 has 1 MA's), (17, 64728), (19, 64749), (20, 64755), (24, 64776), (27, 64785), (31, 64803), (37, 64824), (40, 64839), (42, 64863), (43, 64875), (44, 64884),

Gene: Waterlily_50 Start: 48486, Stop: 48704, Start Num: 9
Candidate Starts for Waterlily_50:
(Start: 8 @48483 has 2 MA's), (Start: 9 @48486 has 6 MA's), (16, 48525), (17, 48528),

Gene: Ziko_137 Start: 64772, Stop: 65032, Start Num: 4
Candidate Starts for Ziko_137:
(Start: 4 @64772 has 5 MA's), (Start: 5 @64778 has 1 MA's), (17, 64835), (19, 64856), (20, 64862), (24, 64883), (31, 64910), (37, 64931), (40, 64946), (42, 64970), (44, 64991),