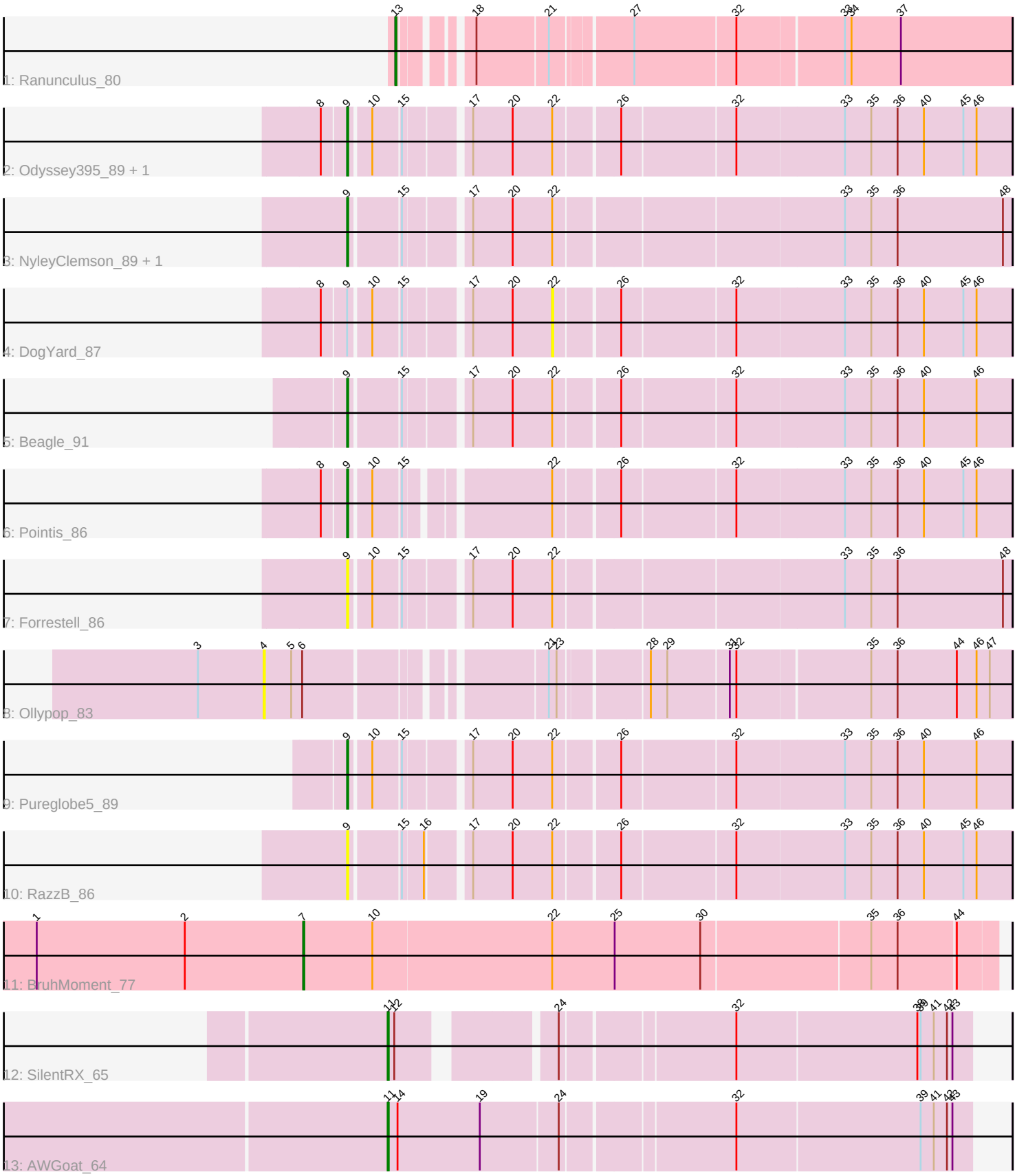
Pham 216663


1: Ranunculus_80
2: Odyssey395_89 + 1
3: NyleyClemson_89 + 1
4: DogYard_87
5: Beagle_91
6: Pointis_86
7: Forrestell_86
8: Ollypop_83
9: Pureglobe5_89
10: RazzB_86
11: BruhMoment_77
12: SilentRX_65
13: AWGoat_64

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 216663 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216663 has 15 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_80
• Track 2 : Odyssey395_89, Kubulix_86
• Track 3 : NyleyClemson_89, MellowYellow_90
• Track 4 : DogYard_87
• Track 5 : Beagle_91
• Track 6 : Pointis_86
• Track 7 : Forrestell_86
• Track 8 : Ollypop_83
• Track 9 : Pureglobe5_89
• Track 10 : RazzB_86
• Track 11 : BruhMoment_77
• Track 12 : SilentRX_65
• Track 13 : AWGoat_64

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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_91, Forrestell_86, Kubulix_86, MellowYellow_90, NyleyClemson_89, Odyssey395_89, Pointis_86, Pureglobe5_89, RazzB_86,

Genes that have the "Most Annotated" start but do not call it:
• DogYard_87,

Genes that do not have the "Most Annotated" start:
• AWGoat_64, BruhMoment_77, Ollypop_83, Ranunculus_80, SilentRX_65,

Summary by start number:

Start 4:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ollypop_83 (AP2),

Start 7:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_77 (AP3),

Start 9:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Beagle_91 (AP2), Forrestell_86 (AP2), Kubulix_86 (AP2), MellowYellow_90 (AP2), NyleyClemson_89 (AP2), Odyssey395_89 (AP2), Pointis_86 (AP2), Pureglobe5_89 (AP2), RazzB_86 (AP2),

Start 11:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_64 (AP4), SilentRX_65 (AP4),

Start 13:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_80 (AP),

Start 22:
• Found in 11 of 15 (73.3%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: DogYard_87 (AP2),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP, AP4, AP3,

Info for manual annotations of cluster AP:
•Start number 13 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 9 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 7 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 11 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_64 Start: 45791, Stop: 45282, Start Num: 11
Candidate Starts for AWGoat_64:
(Start: 11 @45791 has 2 MA's), (14, 45782), (19, 45707), (24, 45638), (32, 45491), (39, 45326), (41, 45314), (42, 45302), (43, 45299),

Gene: Beagle_91 Start: 52495, Stop: 51929, Start Num: 9
Candidate Starts for Beagle_91:
(Start: 9 @52495 has 5 MA's), (15, 52453), (17, 52402), (20, 52366), (22, 52330), (26, 52276), (32, 52177), (33, 52081), (35, 52057), (36, 52033), (40, 52009), (46, 51961),

Gene: BruhMoment_77 Start: 50700, Stop: 50080, Start Num: 7
Candidate Starts for BruhMoment_77:
(1, 50943), (2, 50808), (Start: 7 @50700 has 1 MA's), (10, 50637), (22, 50475), (25, 50418), (30, 50340), (35, 50190), (36, 50166), (44, 50115),

Gene: DogYard_87 Start: 52035, Stop: 51634, Start Num: 22
Candidate Starts for DogYard_87:
(8, 52221), (Start: 9 @52200 has 5 MA's), (10, 52182), (15, 52158), (17, 52107), (20, 52071), (22, 52035), (26, 51981), (32, 51882), (33, 51786), (35, 51762), (36, 51738), (40, 51714), (45, 51678), (46, 51666),

Gene: Forrestell_86 Start: 51443, Stop: 50877, Start Num: 9
Candidate Starts for Forrestell_86:
(Start: 9 @51443 has 5 MA's), (10, 51425), (15, 51401), (17, 51350), (20, 51314), (22, 51278), (33, 51029), (35, 51005), (36, 50981), (48, 50885),

Gene: Kubulix_86 Start: 51867, Stop: 51301, Start Num: 9
Candidate Starts for Kubulix_86:
(8, 51888), (Start: 9 @51867 has 5 MA's), (10, 51849), (15, 51825), (17, 51774), (20, 51738), (22, 51702), (26, 51648), (32, 51549), (33, 51453), (35, 51429), (36, 51405), (40, 51381), (45, 51345), (46, 51333),

Gene: MellowYellow_90 Start: 52109, Stop: 51543, Start Num: 9
Candidate Starts for MellowYellow_90:
(Start: 9 @52109 has 5 MA's), (15, 52067), (17, 52016), (20, 51980), (22, 51944), (33, 51695), (35, 51671), (36, 51647), (48, 51551),

Gene: NyleyClemson_89 Start: 51727, Stop: 51161, Start Num: 9
Candidate Starts for NyleyClemson_89:
(Start: 9 @51727 has 5 MA's), (15, 51685), (17, 51634), (20, 51598), (22, 51562), (33, 51313), (35, 51289), (36, 51265), (48, 51169),

Gene: Odyssey395_89 Start: 51889, Stop: 51323, Start Num: 9
Candidate Starts for Odyssey395_89:
(8, 51910), (Start: 9 @51889 has 5 MA's), (10, 51871), (15, 51847), (17, 51796), (20, 51760), (22, 51724), (26, 51670), (32, 51571), (33, 51475), (35, 51451), (36, 51427), (40, 51403), (45, 51367), (46, 51355),

Gene: Ollypop_83 Start: 53241, Stop: 52621, Start Num: 4
Candidate Starts for Ollypop_83:

(3, 53301), (4, 53241), (5, 53217), (6, 53208), (21, 53019), (23, 53013), (28, 52941), (29, 52926), (31, 52872), (32, 52866), (35, 52749), (36, 52725), (44, 52671), (46, 52653), (47, 52641),

Gene: Pointis_86 Start: 51785, Stop: 51228, Start Num: 9
Candidate Starts for Pointis_86:
(8, 51806), (Start: 9 @51785 has 5 MA's), (10, 51767), (15, 51743), (22, 51629), (26, 51575), (32, 51476), (33, 51380), (35, 51356), (36, 51332), (40, 51308), (45, 51272), (46, 51260),

Gene: Pureglobe5_89 Start: 52441, Stop: 51875, Start Num: 9
Candidate Starts for Pureglobe5_89:
(Start: 9 @52441 has 5 MA's), (10, 52423), (15, 52399), (17, 52348), (20, 52312), (22, 52276), (26, 52222), (32, 52123), (33, 52027), (35, 52003), (36, 51979), (40, 51955), (46, 51907),

Gene: Ranunculus_80 Start: 53611, Stop: 53102, Start Num: 13
Candidate Starts for Ranunculus_80:
(Start: 13 @53611 has 1 MA's), (18, 53566), (21, 53503), (27, 53437), (32, 53347), (33, 53254), (34, 53248), (37, 53203),

Gene: RazzB_86 Start: 51853, Stop: 51287, Start Num: 9
Candidate Starts for RazzB_86:
(Start: 9 @51853 has 5 MA's), (15, 51811), (16, 51793), (17, 51760), (20, 51724), (22, 51688), (26, 51634), (32, 51535), (33, 51439), (35, 51415), (36, 51391), (40, 51367), (45, 51331), (46, 51319),

Gene: SilentRX_65 Start: 46598, Stop: 46119, Start Num: 11
Candidate Starts for SilentRX_65:
(Start: 11 @46598 has 2 MA's), (12, 46592), (24, 46475), (32, 46328), (38, 46166), (39, 46163), (41, 46151), (42, 46139), (43, 46136),