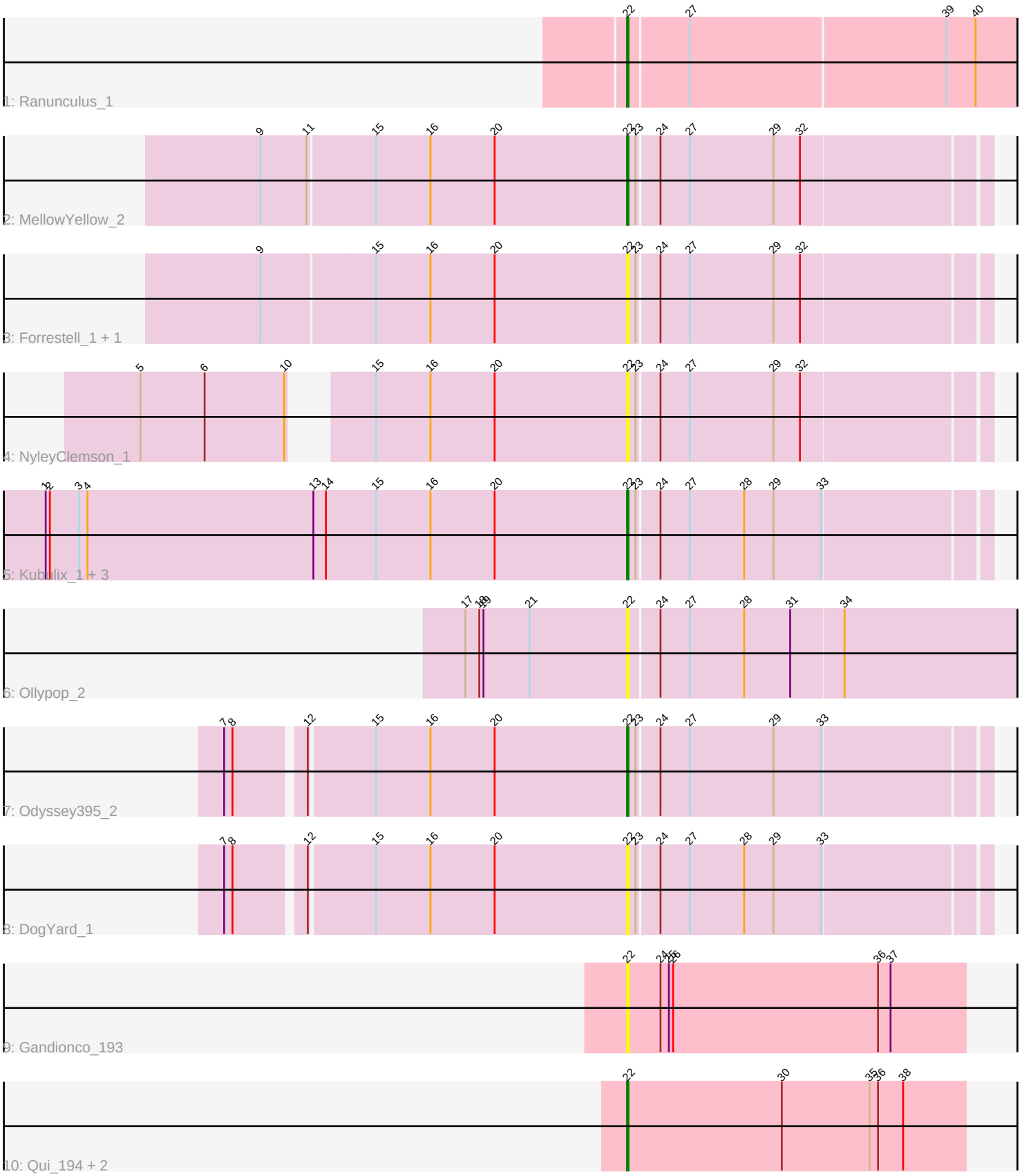
Pham 203404


1: Ranunculus_1
2: MellowYellow_2
3: Forrestell_1 + 1
4: NyleyClemson_1
5: Kubulix_1 + 3
6: Ollypop_2
7: Odyssey395_2
8: DogYard_1
9: Gandionco_193
10: Qui_194 + 2

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 203404 Report

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

Pham number 203404 has 16 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_1
• Track 2 : MellowYellow_2
• Track 3 : Forrestell_1, RazzB_1
• Track 4 : NyleyClemson_1
• Track 5 : Kubulix_1, Pointis_1, Pureglobe5_2, Beagle_2
• Track 6 : Ollypop_2
• Track 7 : Odyssey395_2
• Track 8 : DogYard_1
• Track 9 : Gandionco_193
• Track 10 : Qui_194, Elver_190, Paella_194

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

The start number called the most often in the published annotations is 22, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_2, DogYard_1, Elver_190, Forrestell_1, Gandionco_193, Kubulix_1, MellowYellow_2, NyleyClemson_1, Odyssey395_2, Ollypop_2, Paella_194, Pointis_1, Pureglobe5_2, Qui_194, Ranunculus_1, RazzB_1,

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

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

Summary by start number:

Start 22:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beagle_2 (AP2), DogYard_1 (AP2), Elver_190 (FK), Forrestell_1 (AP2), Gandionco_193 (FK), Kubulix_1 (AP2), MellowYellow_2 (AP2), NyleyClemson_1 (AP2), Odyssey395_2 (AP2), Ollypop_2 (AP2), Paella_194 (FK), Pointis_1 (AP2), Pureglobe5_2 (AP2), Qui_194 (FK), Ranunculus_1 (AP), RazzB_1 (AP2),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, FK,

Info for manual annotations of cluster AP:
•Start number 22 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 22 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster FK:
•Start number 22 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Beagle_2 Start: 1066, Stop: 1314, Start Num: 22
Candidate Starts for Beagle_2:
(1, 652), (2, 655), (3, 676), (4, 682), (13, 844), (14, 853), (15, 889), (16, 928), (20, 973), (Start: 22 @1066 has 8 MA's), (23, 1072), (24, 1087), (27, 1108), (28, 1147), (29, 1168), (33, 1201),

Gene: DogYard_1 Start: 1052, Stop: 1300, Start Num: 22
Candidate Starts for DogYard_1:
(7, 779), (8, 785), (12, 830), (15, 875), (16, 914), (20, 959), (Start: 22 @1052 has 8 MA's), (23, 1058), (24, 1073), (27, 1094), (28, 1133), (29, 1154), (33, 1187),

Gene: Elver_190 Start: 92614, Stop: 92850, Start Num: 22
Candidate Starts for Elver_190:
(Start: 22 @92614 has 8 MA's), (30, 92725), (35, 92788), (36, 92794), (38, 92812),

Gene: Forrestell_1 Start: 1154, Stop: 1402, Start Num: 22
Candidate Starts for Forrestell_1:
(9, 899), (15, 977), (16, 1016), (20, 1061), (Start: 22 @1154 has 8 MA's), (23, 1160), (24, 1175), (27, 1196), (29, 1256), (32, 1274),

Gene: Gandionco_193 Start: 92005, Stop: 92247, Start Num: 22
Candidate Starts for Gandionco_193:
(Start: 22 @92005 has 8 MA's), (24, 92029), (25, 92035), (26, 92038), (36, 92185), (37, 92194),

Gene: Kubulix_1 Start: 1065, Stop: 1313, Start Num: 22
Candidate Starts for Kubulix_1:
(1, 651), (2, 654), (3, 675), (4, 681), (13, 843), (14, 852), (15, 888), (16, 927), (20, 972), (Start: 22 @1065 has 8 MA's), (23, 1071), (24, 1086), (27, 1107), (28, 1146), (29, 1167), (33, 1200),

Gene: MellowYellow_2 Start: 1154, Stop: 1402, Start Num: 22
Candidate Starts for MellowYellow_2:

(9, 899), (11, 932), (15, 977), (16, 1016), (20, 1061), (Start: 22 @1154 has 8 MA's), (23, 1160), (24, 1175), (27, 1196), (29, 1256), (32, 1274),

Gene: NyleyClemson_1 Start: 1126, Stop: 1374, Start Num: 22
Candidate Starts for NyleyClemson_1:
(5, 814), (6, 859), (10, 916), (15, 949), (16, 988), (20, 1033), (Start: 22 @1126 has 8 MA's), (23, 1132), (24, 1147), (27, 1168), (29, 1228), (32, 1246),

Gene: Odyssey395_2 Start: 1052, Stop: 1300, Start Num: 22
Candidate Starts for Odyssey395_2:
(7, 779), (8, 785), (12, 830), (15, 875), (16, 914), (20, 959), (Start: 22 @1052 has 8 MA's), (23, 1058), (24, 1073), (27, 1094), (29, 1154), (33, 1187),

Gene: Ollypop_2 Start: 1035, Stop: 1322, Start Num: 22
Candidate Starts for Ollypop_2:
(17, 921), (18, 930), (19, 933), (21, 966), (Start: 22 @1035 has 8 MA's), (24, 1056), (27, 1077), (28, 1116), (31, 1149), (34, 1185),

Gene: Paella_194 Start: 93490, Stop: 93732, Start Num: 22
Candidate Starts for Paella_194:
(Start: 22 @93490 has 8 MA's), (30, 93601), (35, 93664), (36, 93670), (38, 93688),

Gene: Pointis_1 Start: 1065, Stop: 1313, Start Num: 22
Candidate Starts for Pointis_1:
(1, 651), (2, 654), (3, 675), (4, 681), (13, 843), (14, 852), (15, 888), (16, 927), (20, 972), (Start: 22 @1065 has 8 MA's), (23, 1071), (24, 1086), (27, 1107), (28, 1146), (29, 1167), (33, 1200),

Gene: Pureglobe5_2 Start: 1066, Stop: 1314, Start Num: 22
Candidate Starts for Pureglobe5_2:
(1, 652), (2, 655), (3, 676), (4, 682), (13, 844), (14, 853), (15, 889), (16, 928), (20, 973), (Start: 22 @1066 has 8 MA's), (23, 1072), (24, 1087), (27, 1108), (28, 1147), (29, 1168), (33, 1201),

Gene: Qui_194 Start: 93487, Stop: 93729, Start Num: 22
Candidate Starts for Qui_194:
(Start: 22 @93487 has 8 MA's), (30, 93598), (35, 93661), (36, 93667), (38, 93685),

Gene: Ranunculus_1 Start: 1348, Stop: 1632, Start Num: 22
Candidate Starts for Ranunculus_1:
(Start: 22 @1348 has 8 MA's), (27, 1390), (39, 1570), (40, 1591),

Gene: RazzB_1 Start: 1154, Stop: 1399, Start Num: 22
Candidate Starts for RazzB_1:
(9, 899), (15, 977), (16, 1016), (20, 1061), (Start: 22 @1154 has 8 MA's), (23, 1160), (24, 1175), (27, 1196), (29, 1256), (32, 1274),