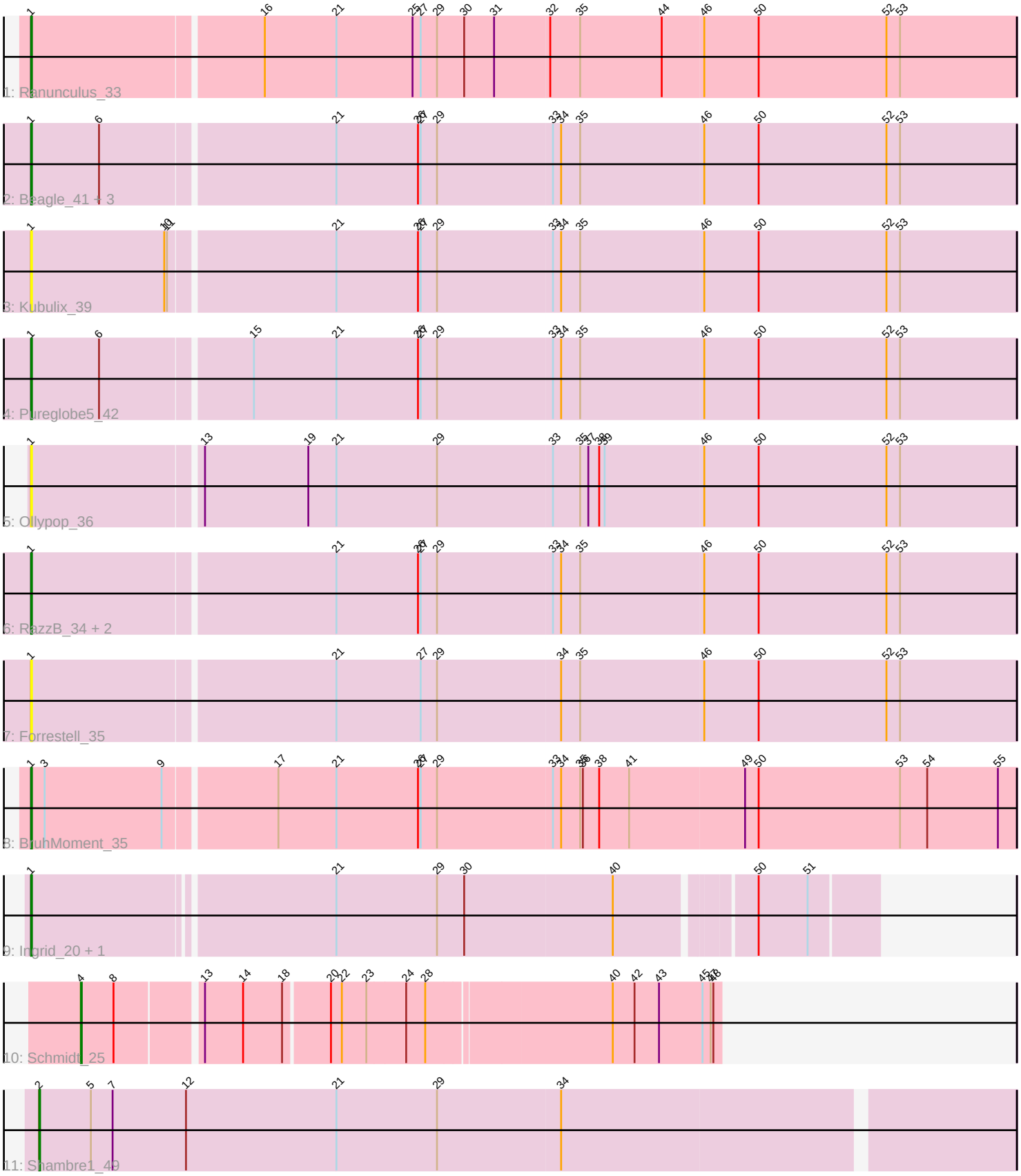
Pham 224949


1: Ranunculus_33
2: Beagle_41 + 3
3: Kubulix_39
4: Pureglobe5_42
5: Ollypop_36
6: RazzB_34 + 2
7: Forrestell_35
8: BruhMoment_35
9: Ingrid_20 + 1
10: Schmidt_25
11: Shambre1_49

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 224949 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224949 has 17 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_33
• Track 2 : Beagle_41, DogYard_39, Odyssey395_42, Pointis_39
• Track 3 : Kubulix_39
• Track 4 : Pureglobe5_42
• Track 5 : Ollypop_36
• Track 6 : RazzB_34, NyleyClemson_36, MellowYellow_37
• Track 7 : Forrestell_35
• Track 8 : BruhMoment_35
• Track 9 : Ingrid_20, Loretta_20
• Track 10 : Schmidt_25
• Track 11 : Shambre1_49

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_41, BruhMoment_35, DogYard_39, Forrestell_35, Ingrid_20, Kubulix_39, Loretta_20, MellowYellow_37, NyleyClemson_36, Odyssey395_42, Ollypop_36, Pointis_39, Pureglobe5_42, Ranunculus_33, RazzB_34,

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

Genes that do not have the "Most Annotated" start:
• Schmidt_25, Shambre1_49,

Summary by start number:

Start 1:
• Found in 15 of 17 (88.2%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beagle_41 (AP2), BruhMoment_35 (AP3), DogYard_39 (AP2), Forrestell_35 (AP2), Ingrid_20 (AU3), Kubulix_39 (AP2), Loretta_20 (AU3), MellowYellow_37 (AP2), NyleyClemson_36 (AP2), Odyssey395_42 (AP2), Ollypop_36 (AP2), Pointis_39 (AP2), Pureglobe5_42 (AP2), Ranunculus_33 (AP), RazzB_34 (AP2),

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_49 (singleton),

Start 4:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_25 (CU4),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, CU4, AP2, AP3, AP, AU3,

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

Info for manual annotations of cluster AP2:
•Start number 1 was manually annotated 5 times for cluster AP2.

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

Info for manual annotations of cluster AU3:
•Start number 1 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster CU4:
•Start number 4 was manually annotated 1 time for cluster CU4.

Gene Information:

Gene: Beagle_41 Start: 28996, Stop: 30066, Start Num: 1
Candidate Starts for Beagle_41:
(Start: 1 @28996 has 9 MA's), (6, 29071), (21, 29320), (26, 29410), (27, 29413), (29, 29431), (33, 29557), (34, 29566), (35, 29587), (46, 29722), (50, 29782), (52, 29923), (53, 29938),

Gene: BruhMoment_35 Start: 28578, Stop: 29648, Start Num: 1
Candidate Starts for BruhMoment_35:
(Start: 1 @28578 has 9 MA's), (3, 28593), (9, 28722), (17, 28839), (21, 28902), (26, 28992), (27, 28995), (29, 29013), (33, 29139), (34, 29148), (35, 29169), (36, 29172), (38, 29190), (41, 29223), (49, 29349), (50, 29364), (53, 29520), (54, 29550), (55, 29628),

Gene: DogYard_39 Start: 28890, Stop: 29960, Start Num: 1

Candidate Starts for DogYard_39:
(Start: 1 @28890 has 9 MA's), (6, 28965), (21, 29214), (26, 29304), (27, 29307), (29, 29325), (33, 29451), (34, 29460), (35, 29481), (46, 29616), (50, 29676), (52, 29817), (53, 29832),

Gene: Forrestell_35 Start: 27683, Stop: 28753, Start Num: 1
Candidate Starts for Forrestell_35:
(Start: 1 @27683 has 9 MA's), (21, 28007), (27, 28100), (29, 28118), (34, 28253), (35, 28274), (46, 28409), (50, 28469), (52, 28610), (53, 28625),

Gene: Ingrid_20 Start: 14558, Stop: 15445, Start Num: 1
Candidate Starts for Ingrid_20:
(Start: 1 @14558 has 9 MA's), (21, 14876), (29, 14987), (30, 15017), (40, 15179), (50, 15317), (51, 15371),

Gene: Kubulix_39 Start: 29186, Stop: 30256, Start Num: 1
Candidate Starts for Kubulix_39:
(Start: 1 @29186 has 9 MA's), (10, 29333), (11, 29336), (21, 29510), (26, 29600), (27, 29603), (29, 29621), (33, 29747), (34, 29756), (35, 29777), (46, 29912), (50, 29972), (52, 30113), (53, 30128),

Gene: Loretta_20 Start: 14558, Stop: 15445, Start Num: 1
Candidate Starts for Loretta_20:
(Start: 1 @14558 has 9 MA's), (21, 14876), (29, 14987), (30, 15017), (40, 15179), (50, 15317), (51, 15371),

Gene: MellowYellow_37 Start: 27731, Stop: 28801, Start Num: 1
Candidate Starts for MellowYellow_37:
(Start: 1 @27731 has 9 MA's), (21, 28055), (26, 28145), (27, 28148), (29, 28166), (33, 28292), (34, 28301), (35, 28322), (46, 28457), (50, 28517), (52, 28658), (53, 28673),

Gene: NyleyClemson_36 Start: 27664, Stop: 28734, Start Num: 1
Candidate Starts for NyleyClemson_36:
(Start: 1 @27664 has 9 MA's), (21, 27988), (26, 28078), (27, 28081), (29, 28099), (33, 28225), (34, 28234), (35, 28255), (46, 28390), (50, 28450), (52, 28591), (53, 28606),

Gene: Odyssey395_42 Start: 29015, Stop: 30085, Start Num: 1
Candidate Starts for Odyssey395_42:
(Start: 1 @29015 has 9 MA's), (6, 29090), (21, 29339), (26, 29429), (27, 29432), (29, 29450), (33, 29576), (34, 29585), (35, 29606), (46, 29741), (50, 29801), (52, 29942), (53, 29957),

Gene: Ollypop_36 Start: 28092, Stop: 29162, Start Num: 1
Candidate Starts for Ollypop_36:
(Start: 1 @28092 has 9 MA's), (13, 28272), (19, 28386), (21, 28416), (29, 28527), (33, 28653), (35, 28683), (37, 28692), (38, 28704), (39, 28710), (46, 28818), (50, 28878), (52, 29019), (53, 29034),

Gene: Pointis_39 Start: 29013, Stop: 30083, Start Num: 1
Candidate Starts for Pointis_39:
(Start: 1 @29013 has 9 MA's), (6, 29088), (21, 29337), (26, 29427), (27, 29430), (29, 29448), (33, 29574), (34, 29583), (35, 29604), (46, 29739), (50, 29799), (52, 29940), (53, 29955),

Gene: Pureglobe5_42 Start: 29196, Stop: 30266, Start Num: 1
Candidate Starts for Pureglobe5_42:
(Start: 1 @29196 has 9 MA's), (6, 29271), (15, 29430), (21, 29520), (26, 29610), (27, 29613), (29, 29631), (33, 29757), (34, 29766), (35, 29787), (46, 29922), (50, 29982), (52, 30123), (53, 30138),

Gene: Ranunculus_33 Start: 28223, Stop: 29293, Start Num: 1
Candidate Starts for Ranunculus_33:
(Start: 1 @28223 has 9 MA's), (16, 28469), (21, 28547), (25, 28631), (27, 28640), (29, 28658), (30, 28688), (31, 28721), (32, 28781), (35, 28814), (44, 28904), (46, 28949), (50, 29009), (52, 29150), (53, 29165),

Gene: RazzB_34 Start: 27477, Stop: 28547, Start Num: 1
Candidate Starts for RazzB_34:
(Start: 1 @27477 has 9 MA's), (21, 27801), (26, 27891), (27, 27894), (29, 27912), (33, 28038), (34, 28047), (35, 28068), (46, 28203), (50, 28263), (52, 28404), (53, 28419),

Gene: Schmidt_25 Start: 18928, Stop: 19599, Start Num: 4
Candidate Starts for Schmidt_25:
(Start: 4 @18928 has 1 MA's), (8, 18964), (13, 19051), (14, 19093), (18, 19135), (20, 19183), (22, 19195), (23, 19222), (24, 19264), (28, 19285), (40, 19480), (42, 19504), (43, 19531), (45, 19579), (47, 19588), (48, 19591),

Gene: Shambre1_49 Start: 30214, Stop: 31269, Start Num: 2
Candidate Starts for Shambre1_49:
(Start: 2 @30214 has 1 MA's), (5, 30271), (7, 30295), (12, 30376), (21, 30541), (29, 30652), (34, 30787),