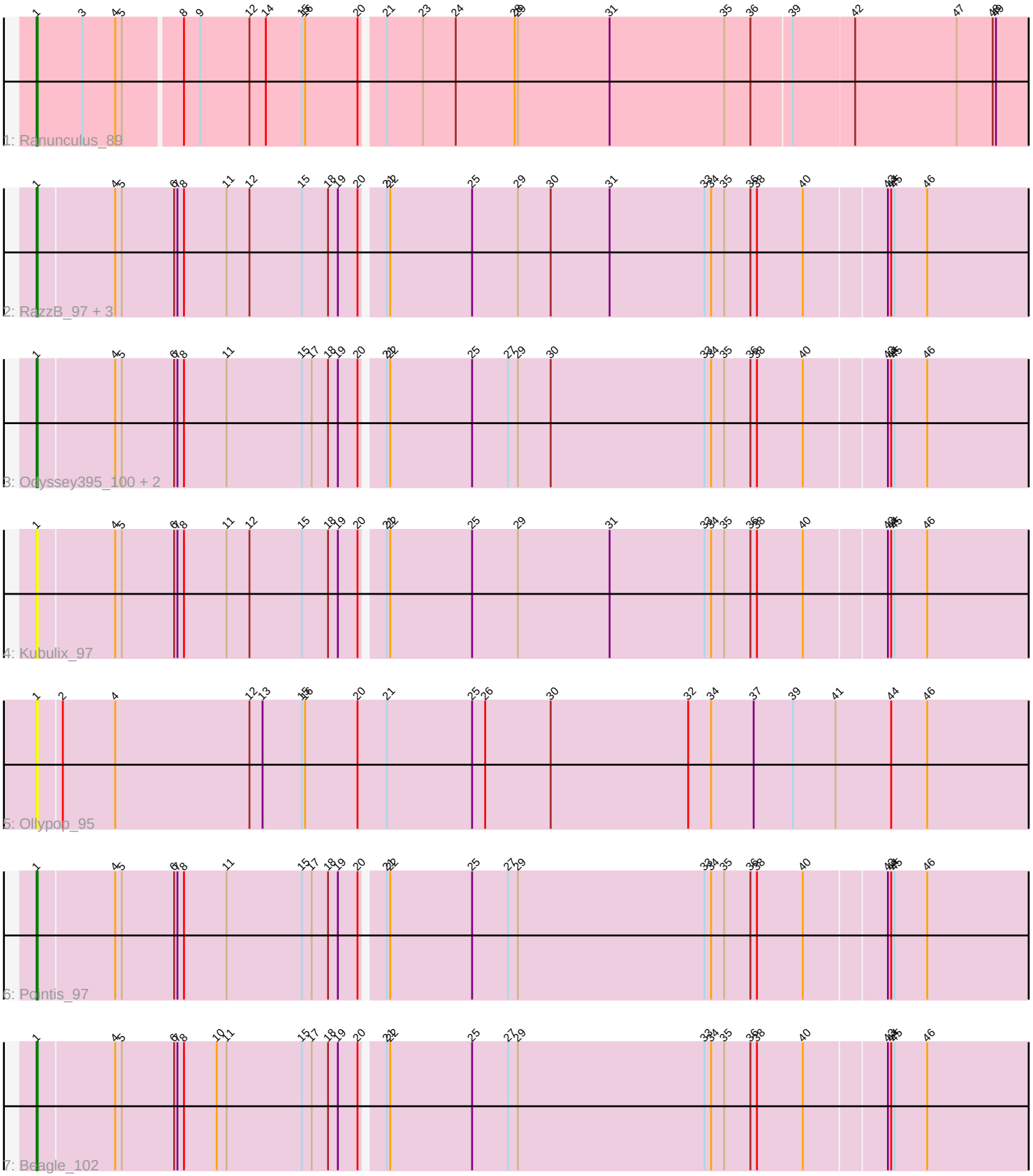
Pham 225051


1: Ranunculus_89
2: RazzB_97 + 3
3: Odyssey395_100 + 2
4: Kubulix_97
5: Ollypop_95
6: Pantis_97
7: Beagle_102

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 225051 Report

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

Pham number 225051 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_89
• Track 2 : RazzB_97, MellowYellow_101, NyleyClemson_101, Forrestell_97
• Track 3 : Odyssey395_100, DogYard_98, Pureglobe5_100
• Track 4 : Kubulix_97
• Track 5 : Ollypop_95
• Track 6 : Pointis_97
• Track 7 : Beagle_102

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

Genes that call this "Most Annotated" start:
• Beagle_102, DogYard_98, Forrestell_97, Kubulix_97, MellowYellow_101, NyleyClemson_101, Odyssey395_100, Ollypop_95, Pointis_97, Pureglobe5_100, Ranunculus_89, RazzB_97,

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 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_102 (AP2), DogYard_98 (AP2), Forrestell_97 (AP2), Kubulix_97 (AP2), MellowYellow_101 (AP2), NyleyClemson_101 (AP2), Odyssey395_100 (AP2), Ollypop_95 (AP2), Pointis_97 (AP2), Pureglobe5_100 (AP2), Ranunculus_89 (AP), RazzB_97 (AP2),

Summary by clusters:

There are 2 clusters represented in this pham: AP2, AP,

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.

Gene Information:

Gene: Beagle_102 Start: 60913, Stop: 60002, Start Num: 1
Candidate Starts for Beagle_102:
(Start: 1 @60913 has 6 MA's), (4, 60844), (5, 60838), (6, 60790), (7, 60787), (8, 60781), (10, 60751), (11, 60742), (15, 60673), (17, 60664), (18, 60649), (19, 60640), (20, 60622), (21, 60604), (22, 60601), (25, 60526), (27, 60493), (29, 60484), (33, 60313), (34, 60307), (35, 60295), (36, 60271), (38, 60265), (40, 60223), (43, 60151), (44, 60148), (45, 60145), (46, 60115),

Gene: DogYard_98 Start: 60621, Stop: 59710, Start Num: 1
Candidate Starts for DogYard_98:
(Start: 1 @60621 has 6 MA's), (4, 60552), (5, 60546), (6, 60498), (7, 60495), (8, 60489), (11, 60450), (15, 60381), (17, 60372), (18, 60357), (19, 60348), (20, 60330), (21, 60312), (22, 60309), (25, 60234), (27, 60201), (29, 60192), (30, 60162), (33, 60021), (34, 60015), (35, 60003), (36, 59979), (38, 59973), (40, 59931), (43, 59859), (44, 59856), (45, 59853), (46, 59823),

Gene: Forrestell_97 Start: 59329, Stop: 58418, Start Num: 1
Candidate Starts for Forrestell_97:
(Start: 1 @59329 has 6 MA's), (4, 59260), (5, 59254), (6, 59206), (7, 59203), (8, 59197), (11, 59158), (12, 59137), (15, 59089), (18, 59065), (19, 59056), (20, 59038), (21, 59020), (22, 59017), (25, 58942), (29, 58900), (30, 58870), (31, 58816), (33, 58729), (34, 58723), (35, 58711), (36, 58687), (38, 58681), (40, 58639), (43, 58567), (44, 58564), (45, 58561), (46, 58531),

Gene: Kubulix_97 Start: 60288, Stop: 59377, Start Num: 1
Candidate Starts for Kubulix_97:
(Start: 1 @60288 has 6 MA's), (4, 60219), (5, 60213), (6, 60165), (7, 60162), (8, 60156), (11, 60117), (12, 60096), (15, 60048), (18, 60024), (19, 60015), (20, 59997), (21, 59979), (22, 59976), (25, 59901), (29, 59859), (31, 59775), (33, 59688), (34, 59682), (35, 59670), (36, 59646), (38, 59640), (40, 59598), (43, 59526), (44, 59523), (45, 59520), (46, 59490),

Gene: MellowYellow_101 Start: 60531, Stop: 59620, Start Num: 1
Candidate Starts for MellowYellow_101:
(Start: 1 @60531 has 6 MA's), (4, 60462), (5, 60456), (6, 60408), (7, 60405), (8, 60399), (11, 60360), (12, 60339), (15, 60291), (18, 60267), (19, 60258), (20, 60240), (21, 60222), (22, 60219), (25, 60144), (29, 60102), (30, 60072), (31, 60018), (33, 59931), (34, 59925), (35, 59913), (36, 59889), (38, 59883), (40, 59841), (43, 59769), (44, 59766), (45, 59763), (46, 59733),

Gene: NyleyClemson_101 Start: 60161, Stop: 59250, Start Num: 1
Candidate Starts for NyleyClemson_101:

(Start: 1 @60161 has 6 MA's), (4, 60092), (5, 60086), (6, 60038), (7, 60035), (8, 60029), (11, 59990), (12, 59969), (15, 59921), (18, 59897), (19, 59888), (20, 59870), (21, 59852), (22, 59849), (25, 59774), (29, 59732), (30, 59702), (31, 59648), (33, 59561), (34, 59555), (35, 59543), (36, 59519), (38, 59513), (40, 59471), (43, 59399), (44, 59396), (45, 59393), (46, 59363),

Gene: Odyssey395_100 Start: 60311, Stop: 59400, Start Num: 1
Candidate Starts for Odyssey395_100:
(Start: 1 @60311 has 6 MA's), (4, 60242), (5, 60236), (6, 60188), (7, 60185), (8, 60179), (11, 60140), (15, 60071), (17, 60062), (18, 60047), (19, 60038), (20, 60020), (21, 60002), (22, 59999), (25, 59924), (27, 59891), (29, 59882), (30, 59852), (33, 59711), (34, 59705), (35, 59693), (36, 59669), (38, 59663), (40, 59621), (43, 59549), (44, 59546), (45, 59543), (46, 59513),

Gene: Ollypop_95 Start: 61675, Stop: 60749, Start Num: 1
Candidate Starts for Ollypop_95:
(Start: 1 @61675 has 6 MA's), (2, 61654), (4, 61606), (12, 61483), (13, 61471), (15, 61435), (16, 61432), (20, 61384), (21, 61357), (25, 61279), (26, 61267), (30, 61207), (32, 61081), (34, 61060), (37, 61021), (39, 60985), (41, 60946), (44, 60895), (46, 60862),

Gene: Pointis_97 Start: 60204, Stop: 59293, Start Num: 1
Candidate Starts for Pointis_97:
(Start: 1 @60204 has 6 MA's), (4, 60135), (5, 60129), (6, 60081), (7, 60078), (8, 60072), (11, 60033), (15, 59964), (17, 59955), (18, 59940), (19, 59931), (20, 59913), (21, 59895), (22, 59892), (25, 59817), (27, 59784), (29, 59775), (33, 59604), (34, 59598), (35, 59586), (36, 59562), (38, 59556), (40, 59514), (43, 59442), (44, 59439), (45, 59436), (46, 59406),

Gene: Pureglobe5_100 Start: 60869, Stop: 59958, Start Num: 1
Candidate Starts for Pureglobe5_100:
(Start: 1 @60869 has 6 MA's), (4, 60800), (5, 60794), (6, 60746), (7, 60743), (8, 60737), (11, 60698), (15, 60629), (17, 60620), (18, 60605), (19, 60596), (20, 60578), (21, 60560), (22, 60557), (25, 60482), (27, 60449), (29, 60440), (30, 60410), (33, 60269), (34, 60263), (35, 60251), (36, 60227), (38, 60221), (40, 60179), (43, 60107), (44, 60104), (45, 60101), (46, 60071),

Gene: Ranunculus_89 Start: 61174, Stop: 60257, Start Num: 1
Candidate Starts for Ranunculus_89:
(Start: 1 @61174 has 6 MA's), (3, 61132), (4, 61102), (5, 61096), (8, 61045), (9, 61030), (12, 60985), (14, 60970), (15, 60937), (16, 60934), (20, 60886), (21, 60868), (23, 60835), (24, 60805), (28, 60751), (29, 60748), (31, 60664), (35, 60559), (36, 60535), (39, 60499), (42, 60445), (47, 60352), (48, 60319), (49, 60316),

Gene: RazzB_97 Start: 59741, Stop: 58830, Start Num: 1
Candidate Starts for RazzB_97:
(Start: 1 @59741 has 6 MA's), (4, 59672), (5, 59666), (6, 59618), (7, 59615), (8, 59609), (11, 59570), (12, 59549), (15, 59501), (18, 59477), (19, 59468), (20, 59450), (21, 59432), (22, 59429), (25, 59354), (29, 59312), (30, 59282), (31, 59228), (33, 59141), (34, 59135), (35, 59123), (36, 59099), (38, 59093), (40, 59051), (43, 58979), (44, 58976), (45, 58973), (46, 58943),