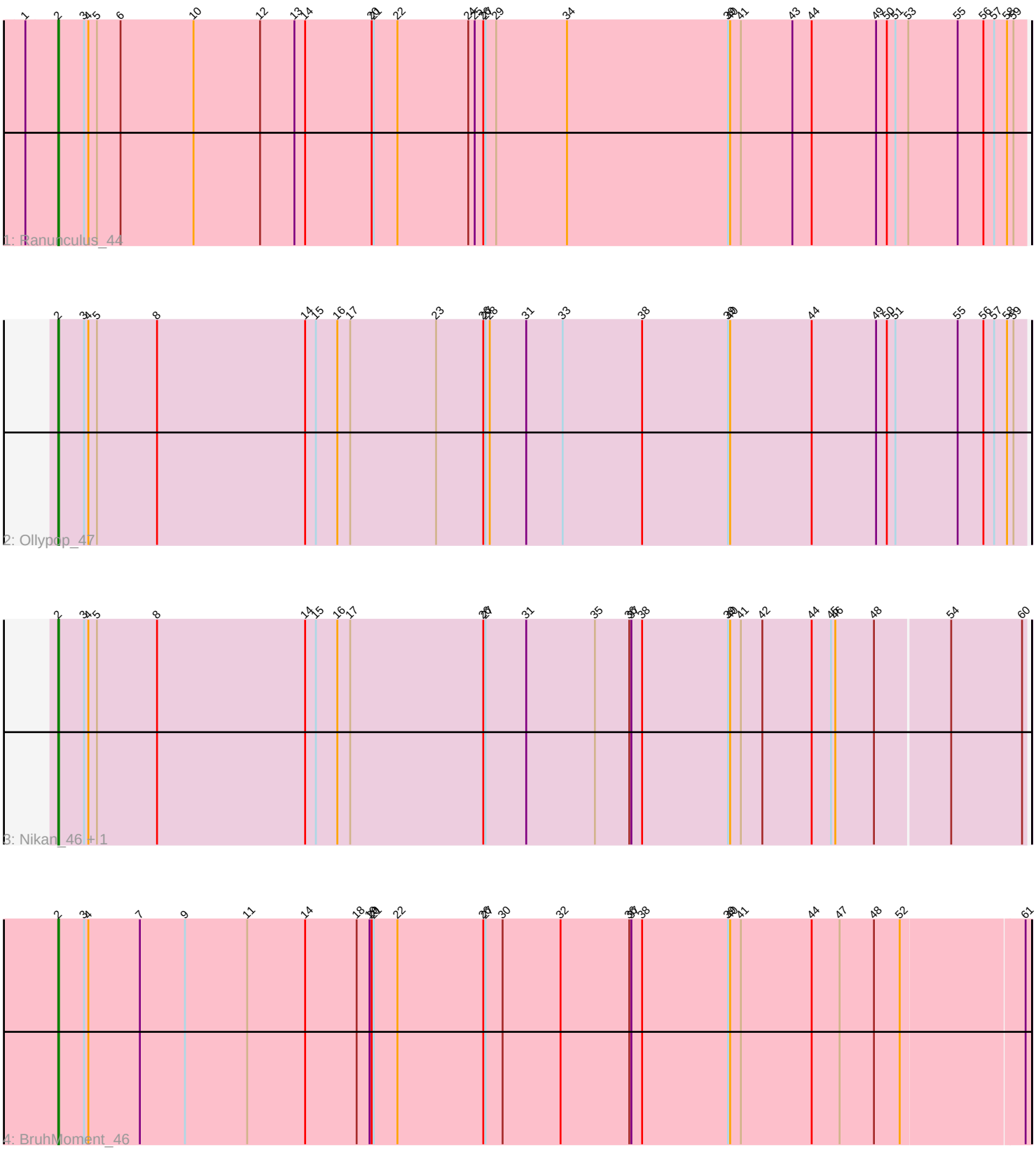
# Pham 340402



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 340402 Report

This analysis was run 11/14/26 on database version 672.

Pham number 340402 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_44
• Track 2 : Ollypop_47
• Track 3 : Nikan_46, Ren19_46
• Track 4 : BruhMoment_46

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BruhMoment_46, Nikan_46, Ollypop_47, Ranunculus_44, Ren19_46,

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 2:
• Found in 5 of 5 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_46 (AP3), Nikan_46 (AP2), Ollypop_47 (AP2), Ranunculus_44 (AP), Ren19_46 (AP2),

**Summary by clusters:**

There are 3 clusters represented in this pham: AP2, AP, AP3,

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

Info for manual annotations of cluster AP2:
•Start number 2 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 2 was manually annotated 1 time for cluster AP3.

### *Gene Information:*

Gene: BruhMoment_46 Start: 37395, Stop: 38747, Start Num: 2
Candidate Starts for BruhMoment_46:
(Start: 2 @37395 has 5 MA's), (3, 37431), (4, 37437), (7, 37509), (9, 37572), (11, 37659), (14, 37740), (18, 37812), (19, 37830), (20, 37833), (21, 37836), (22, 37869), (26, 37989), (27, 37992), (30, 38016), (32, 38097), (36, 38193), (37, 38196), (38, 38211), (39, 38331), (40, 38334), (41, 38349), (44, 38448), (47, 38487), (48, 38535), (52, 38571), (61, 38739),

Gene: Nikan_46 Start: 35057, Stop: 36403, Start Num: 2
Candidate Starts for Nikan_46:
(Start: 2 @35057 has 5 MA's), (3, 35093), (4, 35099), (5, 35111), (8, 35195), (14, 35402), (15, 35417), (16, 35447), (17, 35465), (26, 35651), (27, 35654), (31, 35711), (35, 35807), (36, 35855), (37, 35858), (38, 35873), (39, 35993), (40, 35996), (41, 36011), (42, 36041), (44, 36110), (45, 36137), (46, 36143), (48, 36197), (54, 36299), (60, 36398),

Gene: Ollypop_47 Start: 36149, Stop: 37501, Start Num: 2
Candidate Starts for Ollypop_47:
(Start: 2 @36149 has 5 MA's), (3, 36185), (4, 36191), (5, 36203), (8, 36287), (14, 36494), (15, 36509), (16, 36539), (17, 36557), (23, 36677), (26, 36743), (27, 36746), (28, 36752), (31, 36803), (33, 36854), (38, 36965), (39, 37085), (40, 37088), (44, 37202), (49, 37292), (50, 37307), (51, 37319), (55, 37406), (56, 37442), (57, 37457), (58, 37475), (59, 37484),

Gene: Ranunculus_44 Start: 38403, Stop: 39755, Start Num: 2
Candidate Starts for Ranunculus_44:
(1, 38358), (Start: 2 @38403 has 5 MA's), (3, 38439), (4, 38445), (5, 38457), (6, 38490), (10, 38592), (12, 38685), (13, 38733), (14, 38748), (20, 38841), (21, 38844), (22, 38877), (24, 38976), (25, 38985), (26, 38997), (27, 39000), (29, 39015), (34, 39114), (39, 39339), (40, 39342), (41, 39357), (43, 39429), (44, 39456), (49, 39546), (50, 39561), (51, 39573), (53, 39591), (55, 39660), (56, 39696), (57, 39711), (58, 39729), (59, 39738),

Gene: Ren19_46 Start: 35057, Stop: 36403, Start Num: 2
Candidate Starts for Ren19_46:
(Start: 2 @35057 has 5 MA's), (3, 35093), (4, 35099), (5, 35111), (8, 35195), (14, 35402), (15, 35417), (16, 35447), (17, 35465), (26, 35651), (27, 35654), (31, 35711), (35, 35807), (36, 35855), (37, 35858), (38, 35873), (39, 35993), (40, 35996), (41, 36011), (42, 36041), (44, 36110), (45, 36137), (46, 36143), (48, 36197), (54, 36299), (60, 36398),