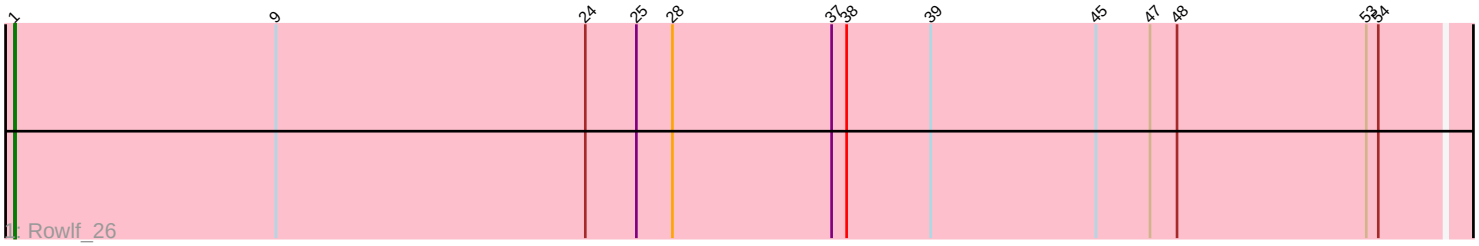
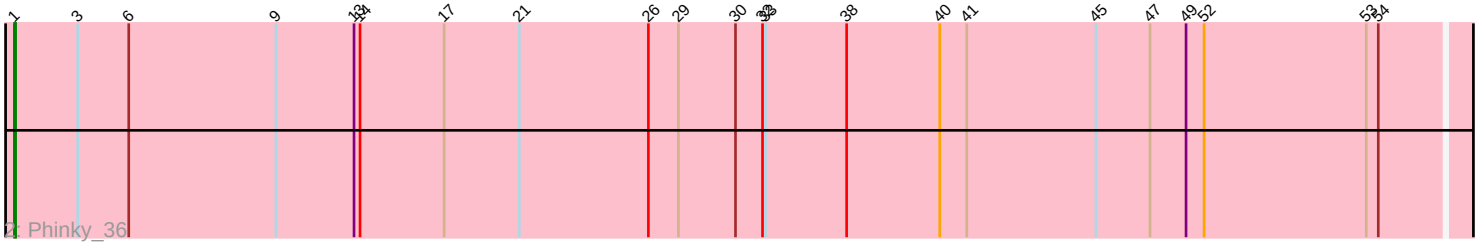
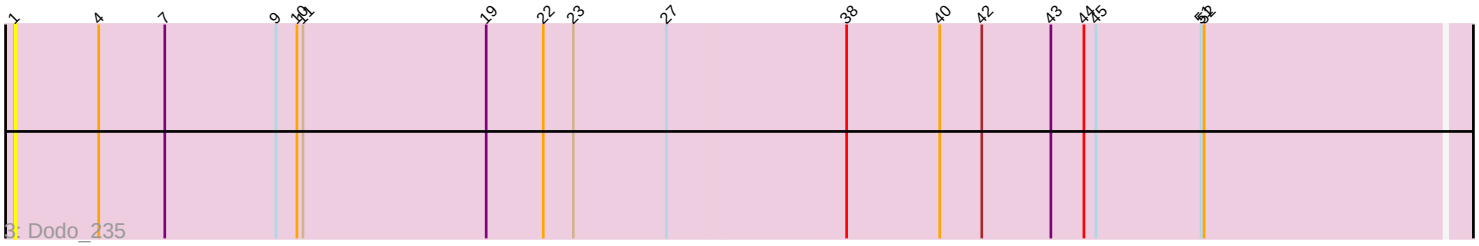
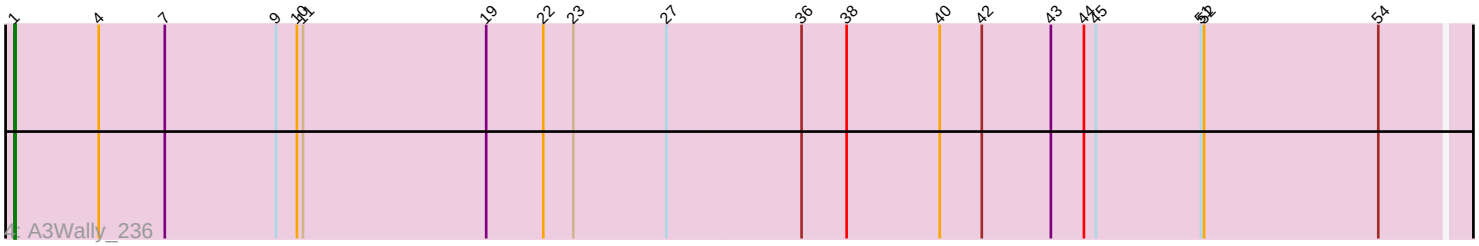
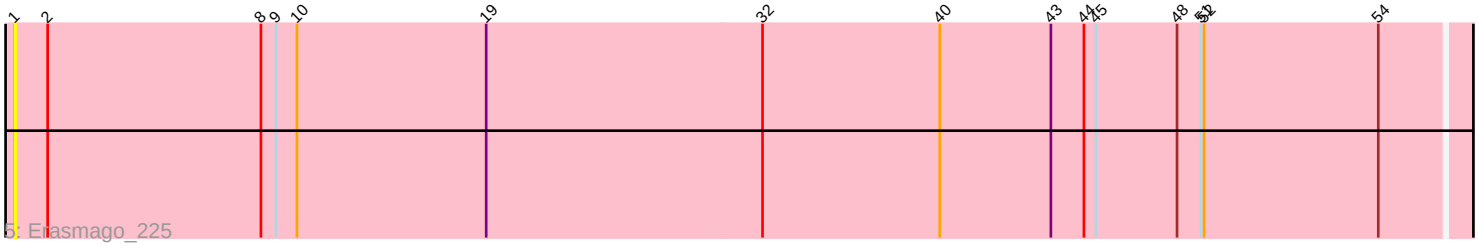
Zoomed Pham 295471

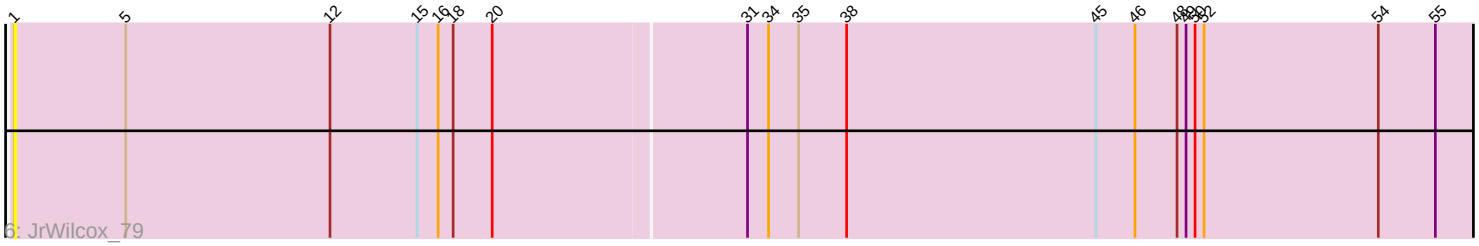












Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 295471 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295471 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Rowlf_26
• Track 2 : Phinky_36
• Track 3 : Dodo_235
• Track 4 : A3Wally_236
• Track 5 : Erasmago_225
• Track 6 : JrWilcox_79

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_236, Dodo_235, Erasmago_225, JrWilcox_79, Phinky_36, Rowlf_26,

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 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_236 (GD1), Dodo_235 (GD1), Erasmago_225 (GD2), JrWilcox_79 (GL), Phinky_36 (EG), Rowlf_26 (EG),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, EG, GL, GD2,

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

Info for manual annotations of cluster GD1:
•Start number 1 was manually annotated 1 time for cluster GD1.

Gene Information:

Gene: A3Wally_236 Start: 126651, Stop: 128846, Start Num: 1
Candidate Starts for A3Wally_236:
(Start: 1 @126651 has 3 MA's), (4, 126735), (7, 126801), (9, 126912), (10, 126933), (11, 126939), (19, 127122), (22, 127179), (23, 127209), (27, 127302), (36, 127434), (38, 127479), (40, 127572), (42, 127614), (43, 127683), (44, 127716), (45, 127728), (51, 127833), (52, 127836), (54, 128010), (56, 128139), (60, 128262), (62, 128268), (64, 128298), (65, 128475), (69, 128523), (73, 128556), (75, 128601), (82, 128700), (83, 128715),

Gene: Dodo_235 Start: 126453, Stop: 128636, Start Num: 1
Candidate Starts for Dodo_235:
(Start: 1 @126453 has 3 MA's), (4, 126537), (7, 126603), (9, 126714), (10, 126735), (11, 126741), (19, 126924), (22, 126981), (23, 127011), (27, 127104), (38, 127281), (40, 127374), (42, 127416), (43, 127485), (44, 127518), (45, 127530), (51, 127635), (52, 127638), (56, 127941), (60, 128064), (62, 128070), (64, 128100), (65, 128277), (69, 128325), (73, 128358), (75, 128403), (82, 128502), (86, 128595),

Gene: Erasmago_225 Start: 121003, Stop: 123288, Start Num: 1
Candidate Starts for Erasmago_225:
(Start: 1 @121003 has 3 MA's), (2, 121036), (8, 121249), (9, 121264), (10, 121285), (19, 121474), (32, 121747), (40, 121924), (43, 122035), (44, 122068), (45, 122080), (48, 122161), (51, 122185), (52, 122188), (54, 122362), (56, 122491), (60, 122614), (62, 122620), (65, 122827), (69, 122875), (70, 122881), (73, 122908), (75, 122953), (81, 123067), (82, 123145), (83, 123160), (84, 123190), (85, 123199), (86, 123238),

Gene: JrWilcox_79 Start: 43075, Stop: 45771, Start Num: 1
Candidate Starts for JrWilcox_79:
(Start: 1 @43075 has 3 MA's), (5, 43183), (12, 43387), (15, 43474), (16, 43495), (18, 43510), (20, 43549), (31, 43795), (34, 43816), (35, 43846), (38, 43894), (45, 44143), (46, 44182), (48, 44224), (49, 44233), (50, 44242), (52, 44251), (54, 44425), (55, 44482), (56, 44563), (57, 44569), (60, 44686), (61, 44689), (62, 44692), (63, 44716), (66, 44914), (69, 44938), (73, 44971), (87, 45535), (88, 45697),

Gene: Phinky_36 Start: 19775, Stop: 21835, Start Num: 1
Candidate Starts for Phinky_36:
(Start: 1 @19775 has 3 MA's), (3, 19838), (6, 19889), (9, 20036), (13, 20114), (14, 20120), (17, 20204), (21, 20279), (26, 20408), (29, 20438), (30, 20495), (32, 20522), (33, 20525), (38, 20606), (40, 20699), (41, 20726), (45, 20855), (47, 20909), (49, 20945), (52, 20963), (53, 21125), (54, 21137), (58, 21347), (59, 21377), (60, 21389), (61, 21392), (66, 21626), (67, 21635), (68, 21638), (69, 21650), (70, 21656), (72, 21680), (73, 21683), (74, 21713), (77, 21761), (78, 21770), (80, 21809),

Gene: Rowlf_26 Start: 18355, Stop: 20409, Start Num: 1
Candidate Starts for Rowlf_26:

(Start: 1 @18355 has 3 MA's), (9, 18616), (24, 18925), (25, 18976), (28, 19012), (37, 19171), (38, 19186), (39, 19270), (45, 19435), (47, 19489), (48, 19516), (53, 19705), (54, 19717), (57, 19852), (59, 19957), (60, 19969), (61, 19972), (62, 19975), (71, 20251), (72, 20260), (73, 20263), (76, 20323), (77, 20335), (79, 20353), (80, 20383),