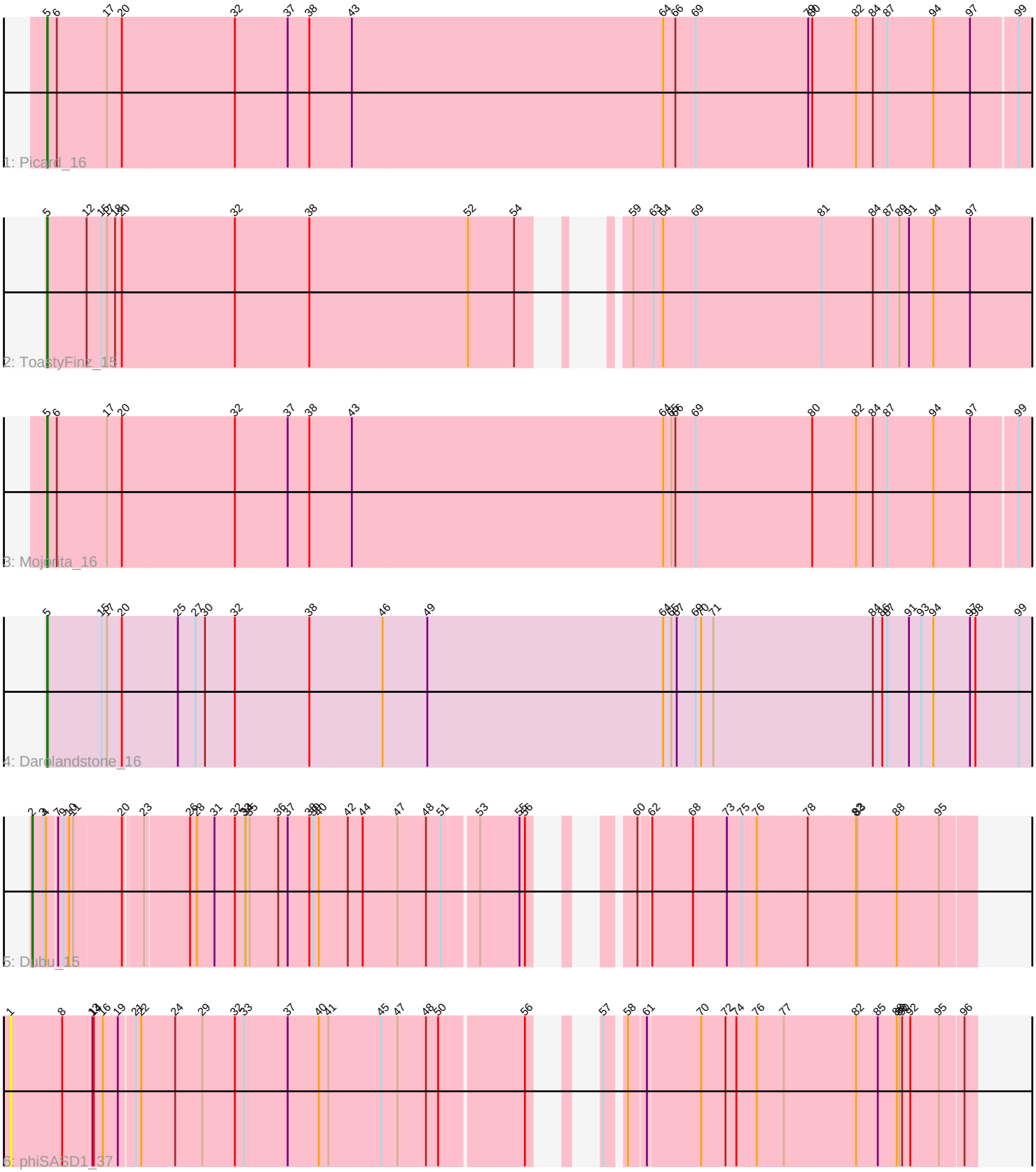
Pham 348346


1: Picard_16
2: ToastyFinz_15
3: Mojorita_16
4: Darolandstone_16
5: Dubu_15
6: phiSASD1_37

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 348346 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 348346 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Picard_16
• Track 2 : ToastyFinz_15
• Track 3 : Mojorita_16
• Track 4 : Darolandstone_16
• Track 5 : Dubu_15
• Track 6 : phiSASD1_37

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Darolandstone_16, Mojorita_16, Picard_16, ToastyFinz_15,

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

Genes that do not have the "Most Annotated" start:
• Dubu_15, phiSASD1_37,

Summary by start number:

Start 1:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiSASD1_37 (BJ),

Start 2:

• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dubu_15 (BJ),

Start 5:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Darolandstone_16 (BC2), Mojorita_16 (BC1), Picard_16 (BC1), ToastyFinz_15 (BC1),

Summary by clusters:

There are 3 clusters represented in this pham: BC2, BJ, BC1,

Info for manual annotations of cluster BC1:
•Start number 5 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 5 was manually annotated 1 time for cluster BC2.

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

Gene Information:

Gene: Darolandstone_16 Start: 10249, Stop: 12471, Start Num: 5
Candidate Starts for Darolandstone_16:
(Start: 5 @10249 has 4 MA's), (15, 10369), (17, 10378), (20, 10411), (25, 10534), (27, 10573), (30, 10594), (32, 10660), (38, 10825), (46, 10984), (49, 11083), (64, 11605), (65, 11623), (67, 11635), (69, 11677), (70, 11689), (71, 11716), (84, 12067), (86, 12088), (87, 12097), (91, 12142), (93, 12169), (94, 12196), (97, 12277), (98, 12289), (99, 12382),

Gene: Dubu_15 Start: 9154, Stop: 11001, Start Num: 2
Candidate Starts for Dubu_15:
(Start: 2 @9154 has 1 MA's), (3, 9178), (4, 9184), (7, 9205), (9, 9217), (10, 9229), (11, 9238), (20, 9334), (23, 9370), (26, 9463), (28, 9478), (31, 9517), (32, 9562), (33, 9583), (34, 9586), (35, 9595), (36, 9658), (37, 9679), (38, 9727), (39, 9736), (40, 9748), (42, 9811), (44, 9844), (47, 9919), (48, 9982), (51, 10015), (53, 10090), (55, 10177), (56, 10189), (60, 10285), (62, 10306), (68, 10390), (73, 10465), (75, 10498), (76, 10531), (78, 10639), (82, 10744), (83, 10747), (88, 10834), (95, 10927),

Gene: Mojorita_16 Start: 10119, Stop: 12335, Start Num: 5
Candidate Starts for Mojorita_16:
(Start: 5 @10119 has 4 MA's), (6, 10140), (17, 10248), (20, 10281), (32, 10530), (37, 10647), (38, 10695), (43, 10788), (64, 11475), (65, 11493), (66, 11502), (69, 11547), (80, 11805), (82, 11901), (84, 11937), (87, 11967), (94, 12066), (97, 12147), (99, 12246),

Gene: Picard_16 Start: 10113, Stop: 12329, Start Num: 5
Candidate Starts for Picard_16:

(Start: 5 @10113 has 4 MA's), (6, 10134), (17, 10242), (20, 10275), (32, 10524), (37, 10641), (38, 10689), (43, 10782), (64, 11469), (66, 11496), (69, 11541), (79, 11790), (80, 11799), (82, 11895), (84, 11931), (87, 11961), (94, 12060), (97, 12141), (99, 12240),

Gene: ToastyFinz_15 Start: 9909, Stop: 11960, Start Num: 5
Candidate Starts for ToastyFinz_15:
(Start: 5 @9909 has 4 MA's), (12, 9996), (15, 10029), (17, 10038), (18, 10056), (20, 10071), (32, 10320), (38, 10485), (52, 10833), (54, 10935), (59, 11025), (63, 11070), (64, 11091), (69, 11163), (81, 11442), (84, 11553), (87, 11583), (89, 11607), (91, 11628), (94, 11682), (97, 11763),

Gene: phiSASD1_37 Start: 9706, Stop: 11628, Start Num: 1
Candidate Starts for phiSASD1_37:
(1, 9706), (8, 9820), (13, 9886), (14, 9889), (16, 9907), (19, 9940), (21, 9973), (22, 9985), (24, 10057), (29, 10117), (32, 10189), (33, 10210), (37, 10306), (40, 10375), (41, 10396), (45, 10510), (47, 10546), (48, 10609), (50, 10636), (56, 10816), (57, 10858), (58, 10891), (61, 10927), (70, 11035), (72, 11089), (74, 11113), (76, 11158), (77, 11215), (82, 11371), (85, 11419), (88, 11461), (89, 11467), (90, 11473), (92, 11491), (95, 11554), (96, 11602),