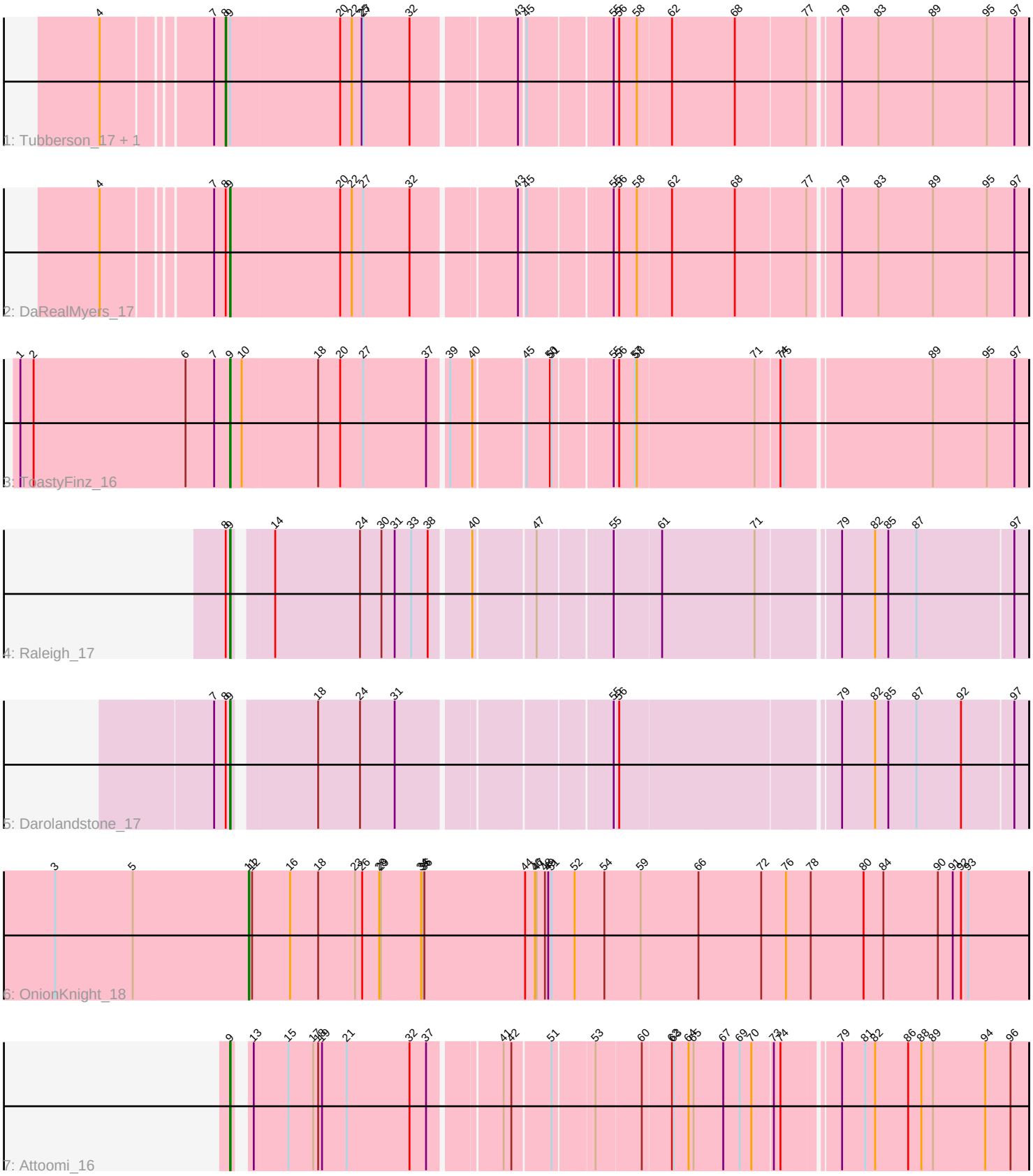
Pham 348316


1: Tubberson_17 + 1
2: DaRealMyers_17
3: ToastyFinz_16
4: Raleigh_17
5: Darolandstone_17
6: OnionKnight_18
7: Attoomi_16

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 348316 Report

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

Pham number 348316 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tubberson_17, SoJo_17
• Track 2 : DaRealMyers_17
• Track 3 : ToastyFinz_16
• Track 4 : Raleigh_17
• Track 5 : Darolandstone_17
• Track 6 : OnionKnight_18
• Track 7 : Attoomi_16

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Attoomi_16, DaRealMyers_17, Darolandstone_17, Raleigh_17, ToastyFinz_16,

Genes that have the "Most Annotated" start but do not call it:
• SoJo_17, Tubberson_17,

Genes that do not have the "Most Annotated" start:
• OnionKnight_18,

Summary by start number:

Start 8:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 40.0% of time when present
• Phage (with cluster) where this start called: SoJo_17 (BC1), Tubberson_17 (BC1),

Start 9:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 71.4% of time when present

• Phage (with cluster) where this start called: Attoomi_16 (singleton), DaRealMyers_17 (BC1), Darolandstone_17 (BC2), Raleigh_17 (BC2), ToastyFinz_16 (BC1),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OnionKnight_18 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster BC1:
•Start number 8 was manually annotated 2 times for cluster BC1.
•Start number 9 was manually annotated 2 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 9 was manually annotated 2 times for cluster BC2.

Gene Information:

Gene: Attoomi_16 Start: 12854, Stop: 14167, Start Num: 9
Candidate Starts for Attoomi_16:
(Start: 9 @12854 has 5 MA's), (13, 12869), (15, 12929), (17, 12974), (18, 12983), (19, 12989), (21, 13034), (32, 13148), (37, 13178), (41, 13286), (42, 13298), (51, 13364), (53, 13430), (60, 13502), (62, 13553), (63, 13556), (64, 13583), (65, 13592), (67, 13643), (69, 13673), (70, 13694), (73, 13730), (74, 13742), (79, 13832), (81, 13874), (82, 13892), (86, 13952), (88, 13976), (89, 13997), (94, 14090), (96, 14135),

Gene: DaRealMyers_17 Start: 12281, Stop: 13618, Start Num: 9
Candidate Starts for DaRealMyers_17:
(4, 12080), (7, 12254), (Start: 8 @12275 has 2 MA's), (Start: 9 @12281 has 5 MA's), (20, 12473), (22, 12494), (27, 12515), (32, 12599), (43, 12767), (45, 12776), (55, 12911), (56, 12917), (58, 12947), (62, 13001), (68, 13112), (77, 13235), (79, 13283), (83, 13349), (89, 13448), (95, 13544), (97, 13592),

Gene: Darolandstone_17 Start: 12474, Stop: 13784, Start Num: 9
Candidate Starts for Darolandstone_17:
(7, 12447), (Start: 8 @12468 has 2 MA's), (Start: 9 @12474 has 5 MA's), (18, 12606), (24, 12681), (31, 12744), (55, 13083), (56, 13089), (79, 13455), (82, 13515), (85, 13539), (87, 13590), (92, 13671), (97, 13758),

Gene: OnionKnight_18 Start: 13579, Stop: 14985, Start Num: 11
Candidate Starts for OnionKnight_18:
(3, 13228), (5, 13369), (Start: 11 @13579 has 1 MA's), (12, 13585), (16, 13654), (18, 13705), (23, 13771), (26, 13783), (28, 13813), (29, 13816), (34, 13888), (35, 13891), (36, 13894), (44, 14077), (46, 14095), (47, 14098), (48, 14113), (49, 14119), (51, 14125), (52, 14167), (54, 14221), (59, 14287), (66, 14392), (72, 14506), (76, 14551), (78, 14596), (80, 14692), (84, 14728), (90, 14827), (91, 14854), (92, 14869), (93, 14878),

Gene: Raleigh_17 Start: 12658, Stop: 13968, Start Num: 9
Candidate Starts for Raleigh_17:
(Start: 8 @12652 has 2 MA's), (Start: 9 @12658 has 5 MA's), (14, 12712), (24, 12865), (30, 12904), (31, 12928), (33, 12958), (38, 12988), (40, 13051), (47, 13150), (55, 13267), (61, 13339), (71, 13504), (79, 13639), (82, 13699), (85, 13723), (87, 13774), (97, 13942),

Gene: SoJo_17 Start: 12275, Stop: 13618, Start Num: 8
Candidate Starts for SoJo_17:
(4, 12080), (7, 12254), (Start: 8 @12275 has 2 MA's), (Start: 9 @12281 has 5 MA's), (20, 12473), (22, 12494), (25, 12512), (27, 12515), (32, 12599), (43, 12767), (45, 12776), (55, 12911), (56, 12917), (58, 12947), (62, 13001), (68, 13112), (77, 13235), (79, 13283), (83, 13349), (89, 13448), (95, 13544), (97, 13592),

Gene: ToastyFinz_16 Start: 11963, Stop: 13297, Start Num: 9
Candidate Starts for ToastyFinz_16:
(1, 11591), (2, 11615), (6, 11885), (7, 11936), (Start: 9 @11963 has 5 MA's), (10, 11978), (18, 12113), (20, 12152), (27, 12194), (37, 12308), (39, 12338), (40, 12374), (45, 12455), (50, 12497), (51, 12500), (55, 12590), (56, 12596), (57, 12623), (58, 12626), (71, 12827), (74, 12869), (75, 12875), (89, 13127), (95, 13223), (97, 13271),

Gene: Tubberson_17 Start: 12275, Stop: 13618, Start Num: 8
Candidate Starts for Tubberson_17:
(4, 12080), (7, 12254), (Start: 8 @12275 has 2 MA's), (Start: 9 @12281 has 5 MA's), (20, 12473), (22, 12494), (25, 12512), (27, 12515), (32, 12599), (43, 12767), (45, 12776), (55, 12911), (56, 12917), (58, 12947), (62, 13001), (68, 13112), (77, 13235), (79, 13283), (83, 13349), (89, 13448), (95, 13544), (97, 13592),