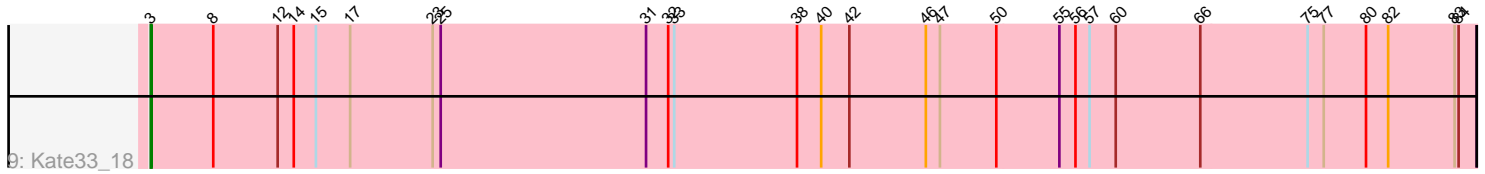
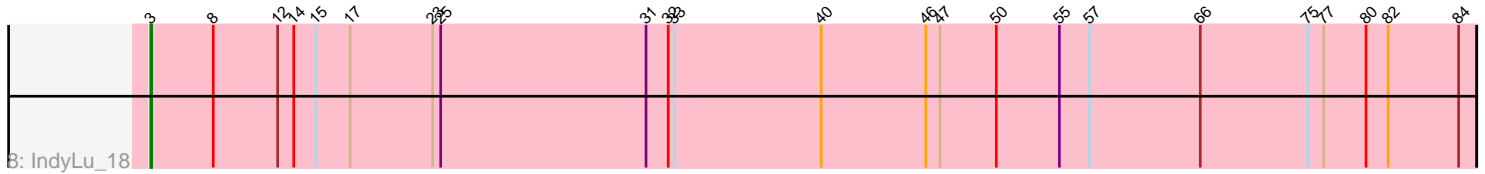
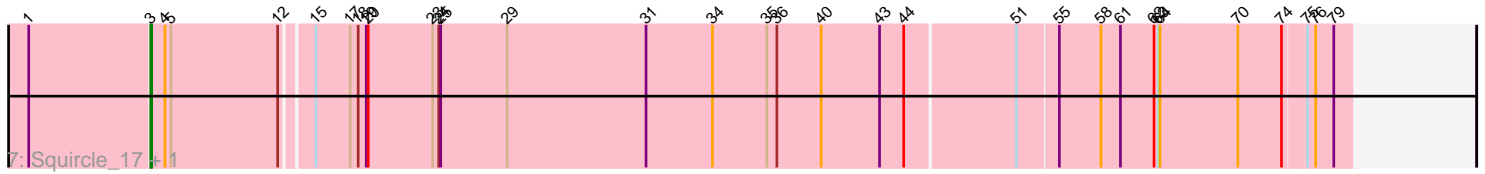
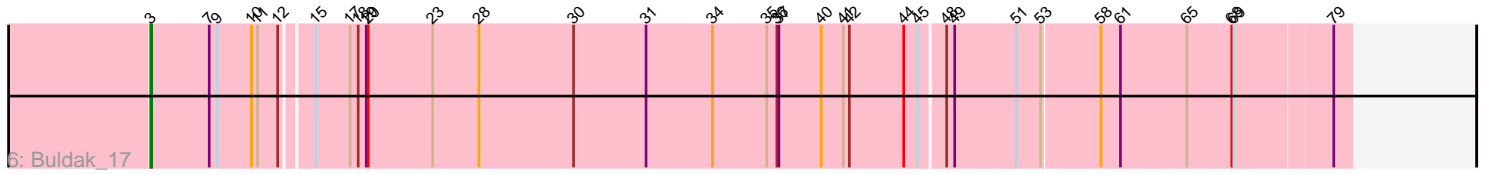
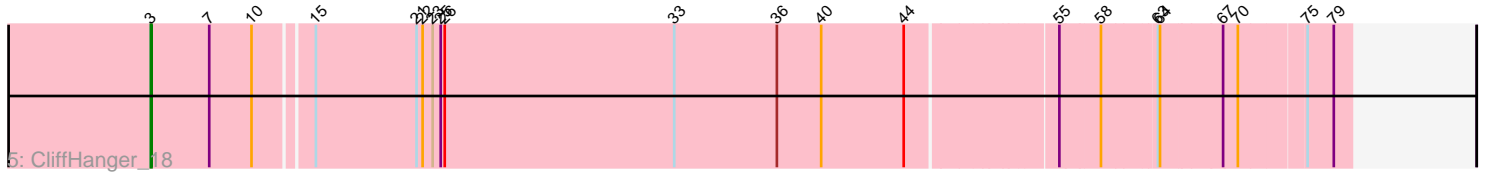
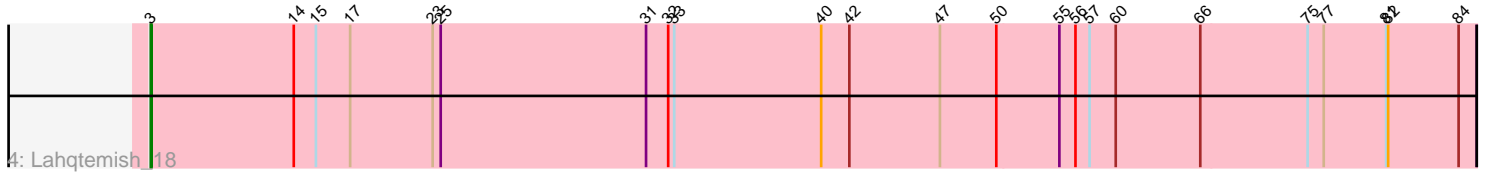
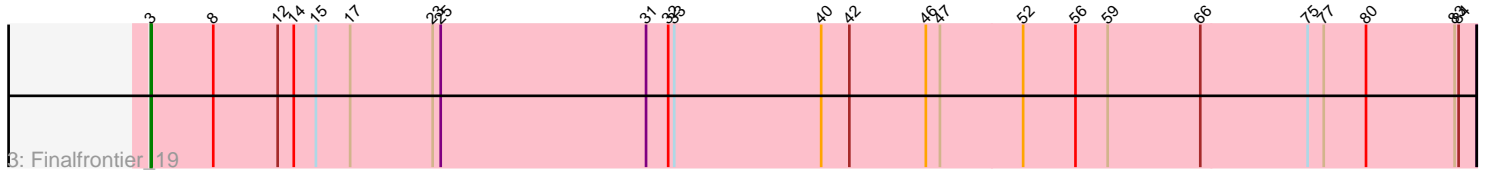
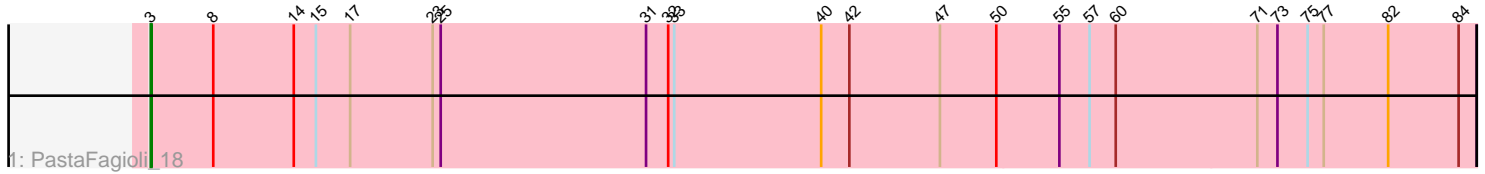


Pham 305455



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 305455 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305455 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PastaFagioli_18
- Track 2 : SunnyD_17, Shayna_17
- Track 3 : Finalfrontier_19
- Track 4 : Lahqtemish_18
- Track 5 : CliffHanger_18
- Track 6 : Buldak_17
- Track 7 : Squiracle_17, Olliecat_17
- Track 8 : IndyLu_18
- Track 9 : Kate33_18

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Buldak_17, CliffHanger_18, Finalfrontier_19, IndyLu_18, Kate33_18, Lahqtemish_18, Olliecat_17, PastaFagioli_18, Squiracle_17,

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

- Shayna_17, SunnyD_17,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 2:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shayna_17 (EB), SunnyD_17 (EB),

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 11
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Buldak_17 (EB), CliffHanger_18 (EB), Finalfrontier_19 (EB), IndyLu_18 (EB), Kate33_18 (EB), Lahqtemish_18 (EB), Olliecat_17 (EB), PastaFagioli_18 (EB), Squiracle_17 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 2 was manually annotated 2 times for cluster EB.
- Start number 3 was manually annotated 9 times for cluster EB.

Gene Information:

Gene: Buldak_17 Start: 13900, Stop: 15591, Start Num: 3

Candidate Starts for Buldak_17:

(Start: 3 @13900 has 9 MA's), (7, 13987), (9, 13999), (10, 14050), (11, 14059), (12, 14089), (15, 14128), (17, 14179), (18, 14191), (19, 14203), (20, 14206), (23, 14302), (28, 14371), (30, 14512), (31, 14620), (34, 14719), (35, 14800), (36, 14815), (37, 14818), (40, 14881), (41, 14914), (42, 14923), (44, 15004), (45, 15025), (48, 15058), (49, 15070), (51, 15151), (53, 15181), (58, 15256), (61, 15283), (65, 15367), (68, 15430), (69, 15433), (79, 15565),

Gene: CliffHanger_18 Start: 13501, Stop: 15195, Start Num: 3

Candidate Starts for CliffHanger_18:

(Start: 3 @13501 has 9 MA's), (7, 13588), (10, 13651), (15, 13729), (21, 13879), (22, 13888), (23, 13903), (25, 13915), (26, 13921), (33, 14263), (36, 14416), (40, 14482), (44, 14605), (55, 14800), (58, 14857), (63, 14929), (64, 14932), (67, 15019), (70, 15040), (75, 15130), (79, 15169),

Gene: Finalfrontier_19 Start: 14486, Stop: 16459, Start Num: 3

Candidate Starts for Finalfrontier_19:

(Start: 3 @14486 has 9 MA's), (8, 14579), (12, 14675), (14, 14699), (15, 14732), (17, 14783), (23, 14906), (25, 14918), (31, 15224), (32, 15257), (33, 15266), (40, 15485), (42, 15527), (46, 15641), (47, 15662), (52, 15785), (56, 15863), (59, 15911), (66, 16049), (75, 16208), (77, 16232), (80, 16295), (83, 16427), (84, 16433),

Gene: IndyLu_18 Start: 13944, Stop: 15914, Start Num: 3

Candidate Starts for IndyLu_18:

(Start: 3 @13944 has 9 MA's), (8, 14037), (12, 14133), (14, 14157), (15, 14190), (17, 14241), (23, 14364), (25, 14376), (31, 14682), (32, 14715), (33, 14724), (40, 14943), (46, 15099), (47, 15120), (50, 15204), (55, 15294), (57, 15339), (66, 15504), (75, 15663), (77, 15687), (80, 15750), (82, 15783), (84, 15888),

Gene: Kate33_18 Start: 13943, Stop: 15916, Start Num: 3

Candidate Starts for Kate33_18:

(Start: 3 @13943 has 9 MA's), (8, 14036), (12, 14132), (14, 14156), (15, 14189), (17, 14240), (23, 14363), (25, 14375), (31, 14681), (32, 14714), (33, 14723), (38, 14906), (40, 14942), (42, 14984), (46, 15098), (47, 15119), (50, 15203), (55, 15296), (56, 15320), (57, 15341), (60, 15380), (66, 15506), (75, 15665), (77, 15689), (80, 15752), (82, 15785), (83, 15884), (84, 15890),

Gene: Lahqtemish_18 Start: 13989, Stop: 15962, Start Num: 3

Candidate Starts for Lahqtemish_18:

(Start: 3 @13989 has 9 MA's), (14, 14202), (15, 14235), (17, 14286), (23, 14409), (25, 14421), (31, 14727), (32, 14760), (33, 14769), (40, 14988), (42, 15030), (47, 15165), (50, 15249), (55, 15342), (56, 15366), (57, 15387), (60, 15426), (66, 15552), (75, 15711), (77, 15735), (81, 15828), (82, 15831), (84, 15936),

Gene: Olliecat_17 Start: 13859, Stop: 15553, Start Num: 3

Candidate Starts for Olliecat_17:

(1, 13682), (Start: 3 @13859 has 9 MA's), (4, 13880), (5, 13889), (12, 14048), (15, 14087), (17, 14138), (18, 14150), (19, 14162), (20, 14165), (23, 14261), (24, 14270), (25, 14273), (29, 14372), (31, 14579), (34, 14678), (35, 14759), (36, 14774), (40, 14840), (43, 14927), (44, 14963), (51, 15110), (55, 15158), (58, 15215), (61, 15242), (62, 15281), (63, 15287), (64, 15290), (70, 15398), (74, 15458), (75, 15488), (76, 15500), (79, 15527),

Gene: PastaFagioli_18 Start: 13977, Stop: 15950, Start Num: 3

Candidate Starts for PastaFagioli_18:

(Start: 3 @13977 has 9 MA's), (8, 14070), (14, 14190), (15, 14223), (17, 14274), (23, 14397), (25, 14409), (31, 14715), (32, 14748), (33, 14757), (40, 14976), (42, 15018), (47, 15153), (50, 15237), (55, 15330), (57, 15375), (60, 15414), (71, 15624), (73, 15654), (75, 15699), (77, 15723), (82, 15819), (84, 15924),

Gene: Shayna_17 Start: 13717, Stop: 15447, Start Num: 2

Candidate Starts for Shayna_17:

(Start: 2 @13717 has 2 MA's), (Start: 3 @13720 has 9 MA's), (4, 13741), (6, 13759), (13, 13918), (15, 13948), (16, 13960), (23, 14122), (27, 14167), (39, 14692), (54, 15013), (72, 15313), (73, 15337), (78, 15409),

Gene: Squircle_17 Start: 13858, Stop: 15552, Start Num: 3

Candidate Starts for Squircle_17:

(1, 13681), (Start: 3 @13858 has 9 MA's), (4, 13879), (5, 13888), (12, 14047), (15, 14086), (17, 14137), (18, 14149), (19, 14161), (20, 14164), (23, 14260), (24, 14269), (25, 14272), (29, 14371), (31, 14578), (34, 14677), (35, 14758), (36, 14773), (40, 14839), (43, 14926), (44, 14962), (51, 15109), (55, 15157), (58, 15214), (61, 15241), (62, 15280), (63, 15286), (64, 15289), (70, 15397), (74, 15457), (75, 15487), (76, 15499), (79, 15526),

Gene: SunnyD_17 Start: 13717, Stop: 15447, Start Num: 2

Candidate Starts for SunnyD_17:

(Start: 2 @13717 has 2 MA's), (Start: 3 @13720 has 9 MA's), (4, 13741), (6, 13759), (13, 13918), (15, 13948), (16, 13960), (23, 14122), (27, 14167), (39, 14692), (54, 15013), (72, 15313), (73, 15337), (78, 15409),