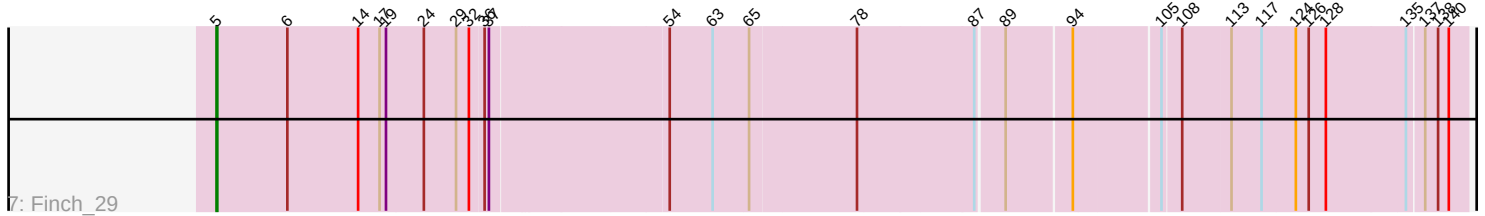
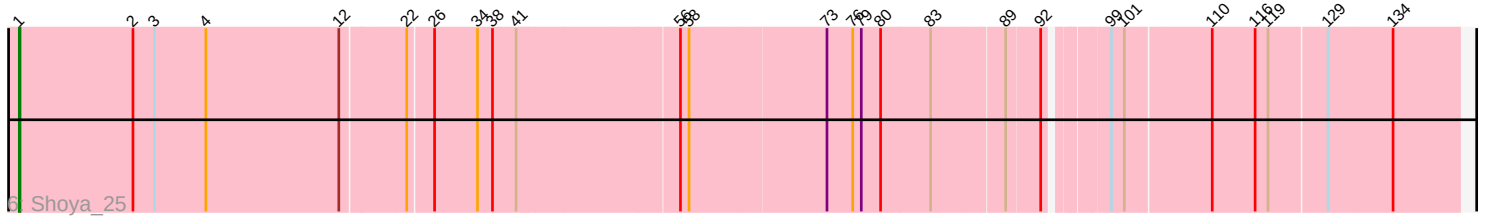
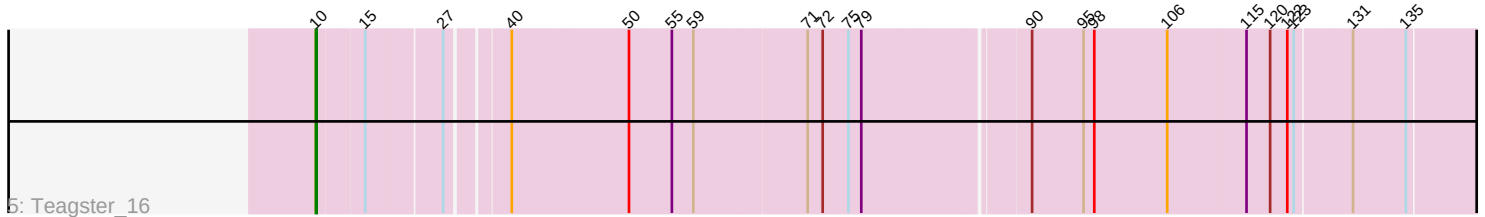
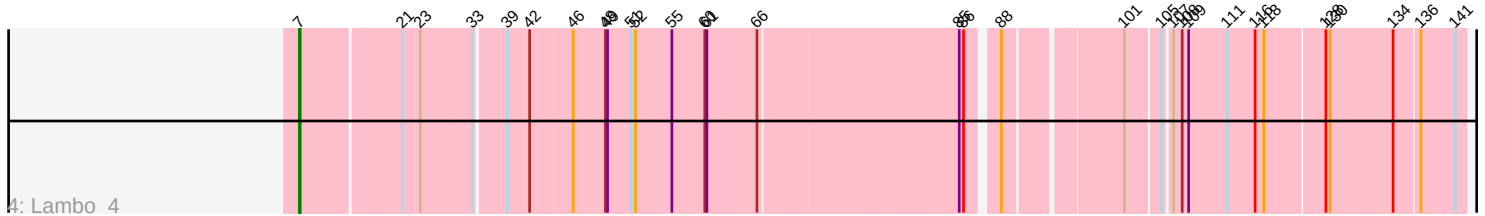
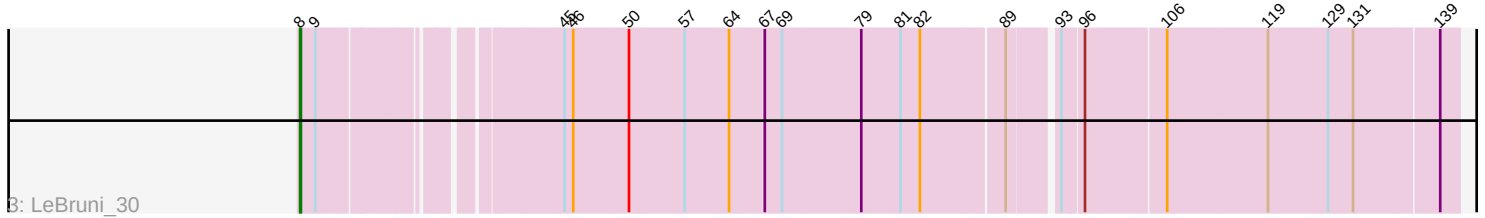
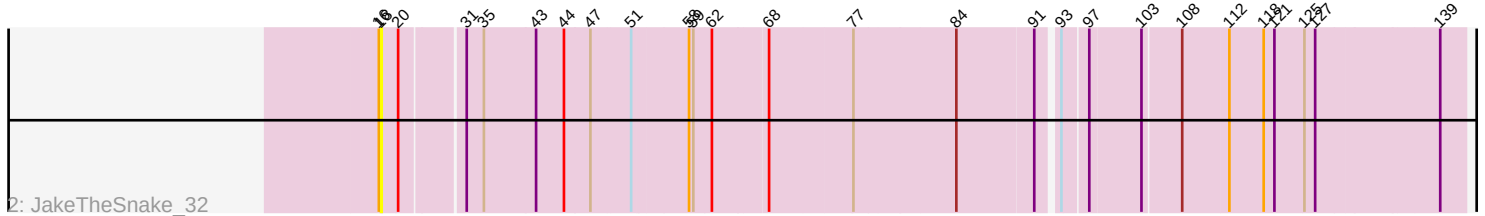
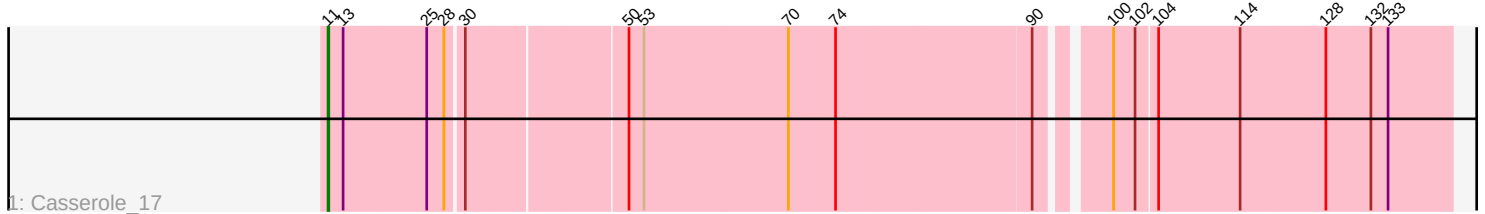


Pham 310017



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 310017 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310017 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Casserole_17
- Track 2 : JakeTheSnake_32
- Track 3 : LeBruni_30
- Track 4 : Lambo_4
- Track 5 : Teagster_16
- Track 6 : Shoya_25
- Track 7 : Finch_29

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 1 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Finch_29,

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

•

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

- Casserole_17, JakeTheSnake_32, Lambo_4, LeBruni_30, Shoya_25, Teagster_16,

Summary by start number:

Start 1:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shoya_25 (FB),

Start 5:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Finch_29 (singleton),

Start 7:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lambo_4 (DV),

Start 8:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LeBruni_30 (AY),

Start 10:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Teagster_16 (EB),

Start 11:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casserole_17 (AV),

Start 18:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JakeTheSnake_32 (AY),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, EB, DV, FB, AV, AY,

Info for manual annotations of cluster AV:

- Start number 11 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster AY:

- Start number 8 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster DV:

- Start number 7 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster EB:

- Start number 10 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster FB:

- Start number 1 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: Casserole_17 Start: 13193, Stop: 14680, Start Num: 11

Candidate Starts for Casserole_17:

(Start: 11 @13193 has 1 MA's), (13, 13214), (25, 13328), (28, 13352), (30, 13373), (50, 13586), (53, 13607), (70, 13808), (74, 13874), (90, 14141), (100, 14219), (102, 14249), (104, 14276), (114, 14387), (128, 14504), (132, 14567), (133, 14591),

Gene: Finch_29 Start: 25207, Stop: 26865, Start Num: 5

Candidate Starts for Finch_29:

(Start: 5 @25207 has 1 MA's), (6, 25306), (14, 25405), (17, 25435), (19, 25444), (24, 25495), (29, 25540), (32, 25558), (36, 25576), (37, 25582), (54, 25816), (63, 25876), (65, 25924), (78, 26068), (87, 26224), (89, 26260), (94, 26347), (105, 26458), (108, 26482), (113, 26548), (117, 26590), (124, 26635), (126, 26653), (128, 26677), (135, 26785), (137, 26806), (138, 26824), (140, 26839),

Gene: JakeTheSnake_32 Start: 21764, Stop: 23164, Start Num: 18

Candidate Starts for JakeTheSnake_32:

(16, 21761), (18, 21764), (20, 21785), (31, 21866), (35, 21890), (43, 21962), (44, 22001), (47, 22037), (51, 22088), (58, 22160), (59, 22166), (62, 22190), (68, 22262), (77, 22373), (84, 22508), (91, 22613), (93, 22637), (97, 22667), (103, 22736), (108, 22787), (112, 22850), (118, 22898), (121, 22913), (125, 22952), (127, 22967), (139, 23129),

Gene: Lambo_4 Start: 3410, Stop: 4882, Start Num: 7

Candidate Starts for Lambo_4:

(Start: 7 @3410 has 1 MA's), (21, 3542), (23, 3563), (33, 3632), (39, 3668), (42, 3695), (46, 3749), (48, 3794), (49, 3797), (51, 3827), (52, 3833), (55, 3881), (60, 3926), (61, 3929), (66, 3992), (85, 4256), (86, 4262), (88, 4298), (101, 4442), (105, 4487), (107, 4496), (108, 4508), (109, 4517), (111, 4568), (116, 4607), (118, 4619), (128, 4697), (130, 4703), (134, 4790), (136, 4820), (141, 4868),

Gene: LeBruni_30 Start: 21263, Stop: 22708, Start Num: 8

Candidate Starts for LeBruni_30:

(Start: 8 @21263 has 1 MA's), (9, 21284), (45, 21560), (46, 21572), (50, 21647), (57, 21722), (64, 21776), (67, 21815), (69, 21839), (79, 21947), (81, 22001), (82, 22028), (89, 22133), (93, 22193), (96, 22220), (106, 22322), (119, 22460), (129, 22541), (131, 22571), (139, 22682),

Gene: Shoya_25 Start: 18536, Stop: 20401, Start Num: 1

Candidate Starts for Shoya_25:

(Start: 1 @18536 has 1 MA's), (2, 18695), (3, 18725), (4, 18797), (12, 18983), (22, 19058), (26, 19091), (34, 19151), (38, 19172), (41, 19205), (56, 19415), (58, 19427), (73, 19598), (76, 19634), (79, 19646), (80, 19673), (83, 19742), (89, 19835), (92, 19880), (99, 19946), (101, 19964), (110, 20078), (116, 20135), (119, 20153), (129, 20228), (134, 20312),

Gene: Teagster_16 Start: 12856, Stop: 14361, Start Num: 10

Candidate Starts for Teagster_16:

(Start: 10 @12856 has 1 MA's), (15, 12913), (27, 13009), (40, 13081), (50, 13237), (55, 13294), (59, 13324), (71, 13465), (72, 13486), (75, 13522), (79, 13540), (90, 13756), (95, 13828), (98, 13843), (106, 13945), (115, 14053), (120, 14086), (122, 14107), (123, 14116), (131, 14191), (135, 14263),