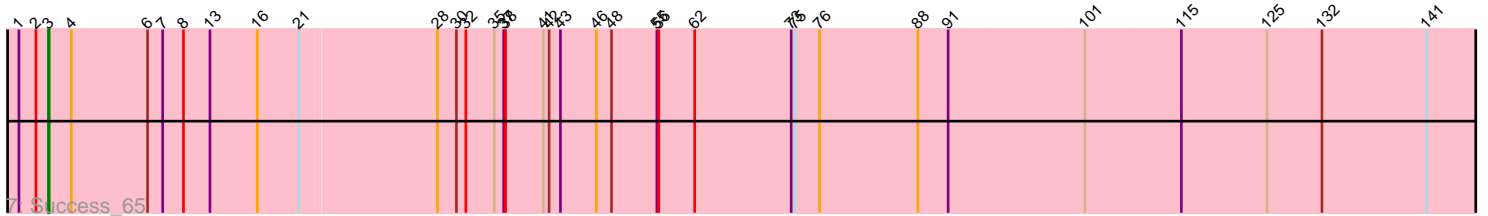
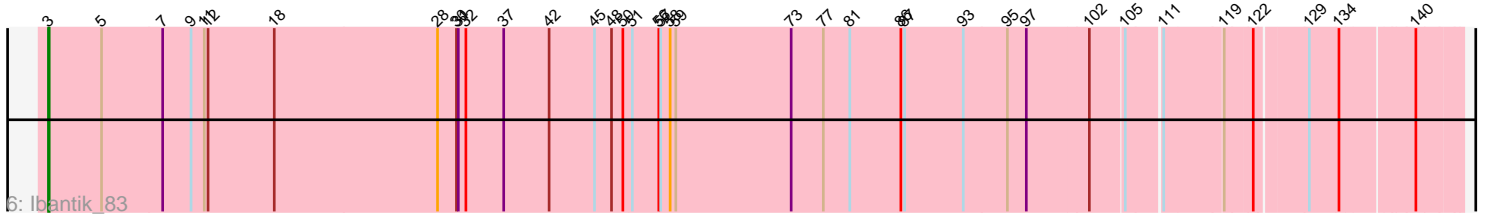
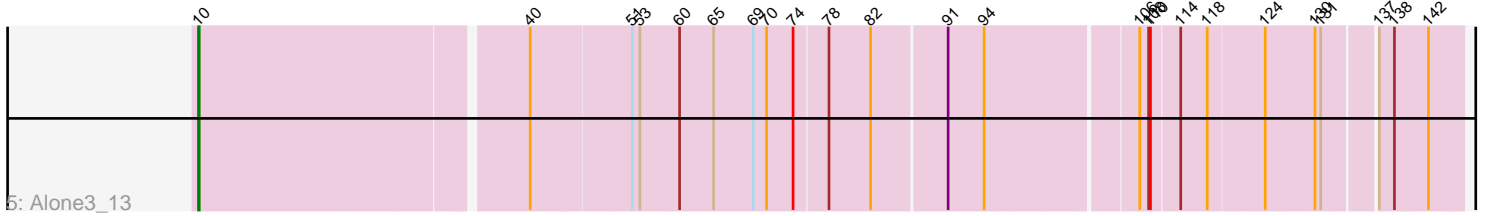
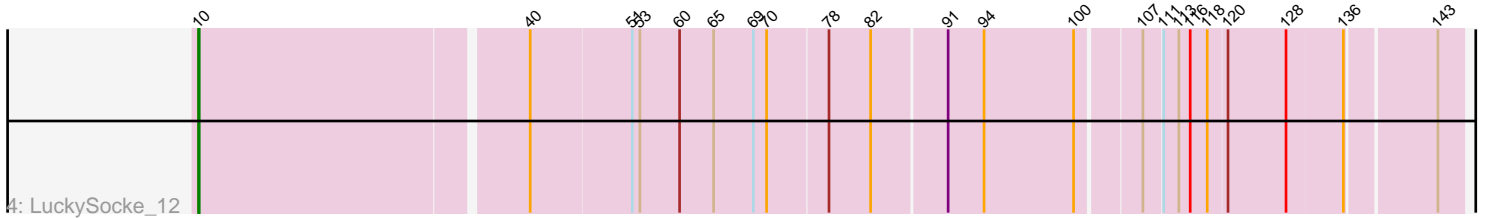
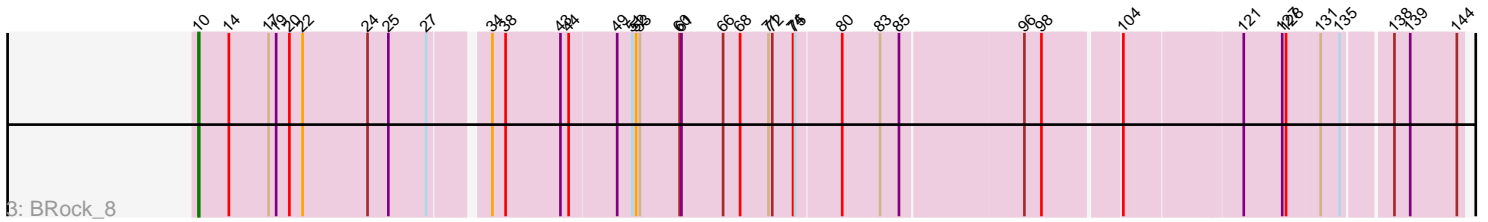
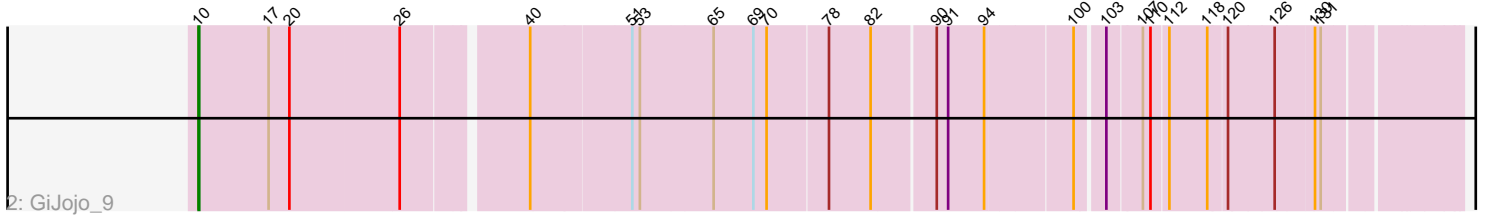
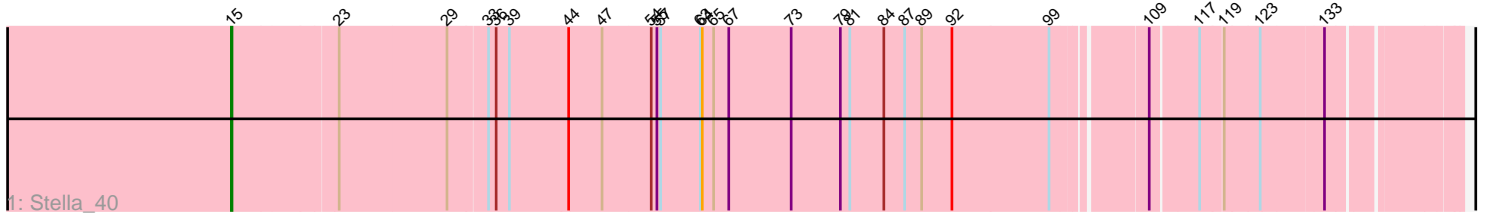


Pham 194593



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 194593 Report

This analysis was run 11/02/24 on database version 579.

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 194593 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Stella_40
- Track 2 : GiJojo_9
- Track 3 : BRock_8
- Track 4 : LuckySocke_12
- Track 5 : Alone3_13
- Track 6 : Ibantik_83
- Track 7 : Success_65

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_13, BRock_8, GiJojo_9, LuckySocke_12,

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

-

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

- Ibantik_83, Stella_40, Success_65,

Summary by start number:

Start 3:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ibantik_83 (singleton), Success_65 (singleton),

Start 10:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_13 (BS), BRock_8 (BS), GiJojo_9 (BS), LuckySocke_12 (BS),

Start 15:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stella_40 (BF),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, BF, BS,

Info for manual annotations of cluster BF:

- Start number 15 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster BS:

- Start number 10 was manually annotated 4 times for cluster BS.

Gene Information:

Gene: Alone3_13 Start: 4414, Stop: 6246, Start Num: 10

Candidate Starts for Alone3_13:

(Start: 10 @4414 has 4 MA's), (40, 4903), (51, 5053), (53, 5065), (60, 5125), (65, 5176), (69, 5239), (70, 5260), (74, 5302), (78, 5353), (82, 5419), (91, 5530), (94, 5587), (106, 5800), (108, 5812), (110, 5815), (114, 5857), (118, 5899), (124, 5980), (130, 6046), (131, 6055), (137, 6127), (138, 6151), (142, 6196),

Gene: BRock_8 Start: 3380, Stop: 5221, Start Num: 10

Candidate Starts for BRock_8:

(Start: 10 @3380 has 4 MA's), (14, 3428), (17, 3491), (19, 3503), (20, 3524), (22, 3545), (24, 3644), (25, 3677), (27, 3734), (34, 3809), (38, 3830), (43, 3914), (44, 3926), (49, 3995), (51, 4019), (52, 4025), (53, 4031), (60, 4091), (61, 4094), (66, 4157), (68, 4184), (71, 4229), (72, 4235), (74, 4268), (75, 4271), (80, 4340), (83, 4397), (85, 4424), (96, 4607), (98, 4634), (104, 4742), (121, 4916), (127, 4970), (128, 4976), (131, 5024), (135, 5054), (138, 5123), (139, 5144), (144, 5213),

Gene: GiJojo_9 Start: 3845, Stop: 5674, Start Num: 10

Candidate Starts for GiJojo_9:

(Start: 10 @3845 has 4 MA's), (17, 3956), (20, 3989), (26, 4157), (40, 4334), (51, 4484), (53, 4496), (65, 4607), (69, 4670), (70, 4691), (78, 4784), (82, 4850), (90, 4943), (91, 4961), (94, 5018), (100, 5144), (103, 5183), (107, 5234), (110, 5246), (112, 5270), (118, 5330), (120, 5357), (126, 5426), (130, 5477), (131, 5486),

Gene: Ibantik_83 Start: 45267, Stop: 47420, Start Num: 3

Candidate Starts for Ibantik_83:

(Start: 3 @45267 has 2 MA's), (5, 45351), (7, 45447), (9, 45492), (11, 45513), (12, 45519), (18, 45624), (28, 45882), (30, 45912), (31, 45915), (32, 45927), (37, 45987), (42, 46059), (45, 46131), (48, 46158), (50, 46176), (51, 46188), (56, 46230), (57, 46233), (58, 46248), (59, 46257), (73, 46440), (77, 46491), (81, 46533), (86, 46611), (87, 46617), (93, 46710), (95, 46779), (97, 46809), (102, 46905), (105, 46956), (111, 47007), (119, 47094), (122, 47133), (129, 47208), (134, 47253), (140, 47355),

Gene: LuckySocke_12 Start: 4096, Stop: 5931, Start Num: 10

Candidate Starts for LuckySocke_12:

(Start: 10 @4096 has 4 MA's), (40, 4585), (51, 4735), (53, 4747), (60, 4807), (65, 4858), (69, 4921), (70, 4942), (78, 5035), (82, 5101), (91, 5212), (94, 5269), (100, 5398), (107, 5488), (111, 5515), (113, 5539), (116, 5557), (118, 5584), (120, 5611), (128, 5695), (136, 5776), (143, 5896),

Gene: Stella_40 Start: 20111, Stop: 21928, Start Num: 15

Candidate Starts for Stella_40:

(Start: 15 @20111 has 1 MA's), (23, 20267), (29, 20435), (33, 20495), (36, 20507), (39, 20528), (44, 20621), (47, 20672), (54, 20747), (55, 20756), (57, 20762), (63, 20825), (64, 20828), (65, 20846), (67, 20870), (73, 20969), (79, 21047), (81, 21062), (84, 21116), (87, 21149), (89, 21176), (92, 21224), (99, 21377), (109, 21503), (117, 21572), (119, 21605), (123, 21659), (133, 21749),

Gene: Success_65 Start: 41563, Stop: 43890, Start Num: 3

Candidate Starts for Success_65:

(1, 41518), (2, 41545), (Start: 3 @41563 has 2 MA's), (4, 41599), (6, 41719), (7, 41743), (8, 41776), (13, 41818), (16, 41893), (21, 41959), (28, 42169), (30, 42199), (32, 42214), (35, 42259), (37, 42274), (38, 42277), (41, 42337), (42, 42346), (43, 42364), (46, 42421), (48, 42445), (55, 42517), (56, 42520), (62, 42577), (73, 42730), (75, 42736), (76, 42775), (88, 42928), (91, 42976), (101, 43192), (115, 43342), (125, 43477), (132, 43564), (141, 43729),