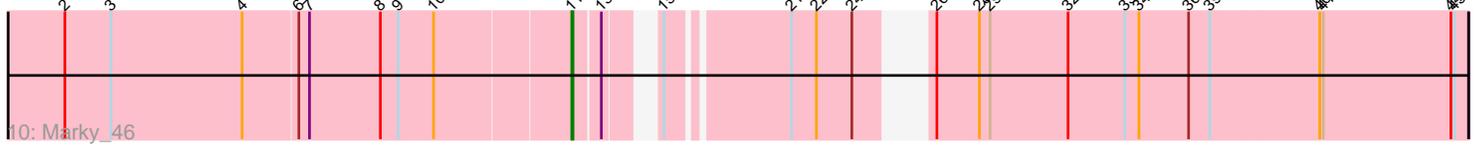
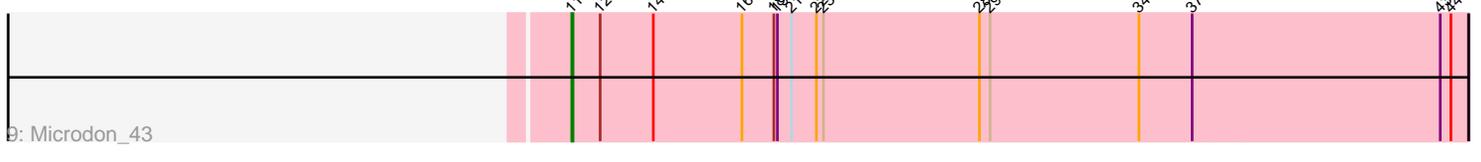
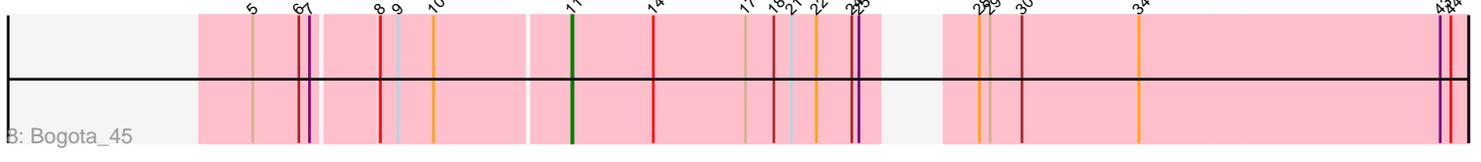
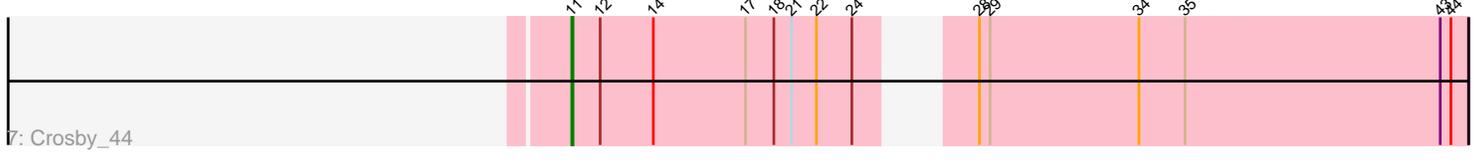
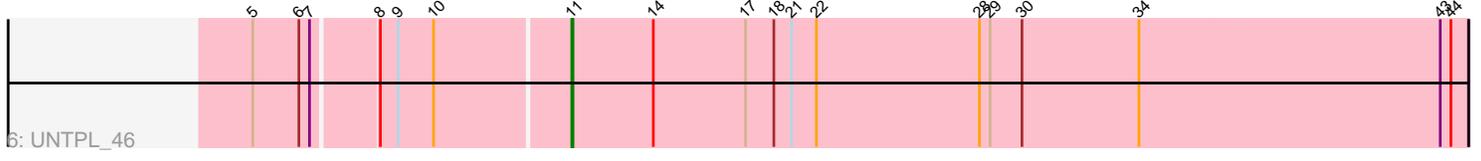
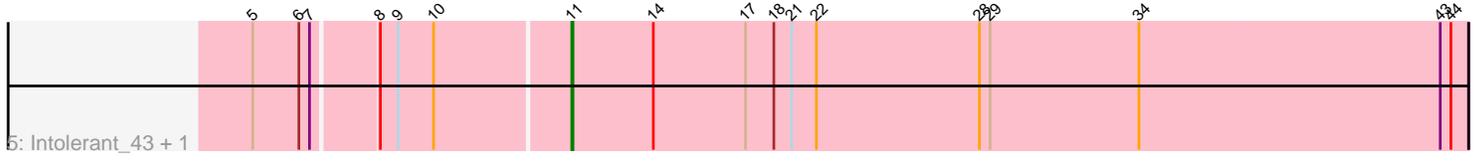
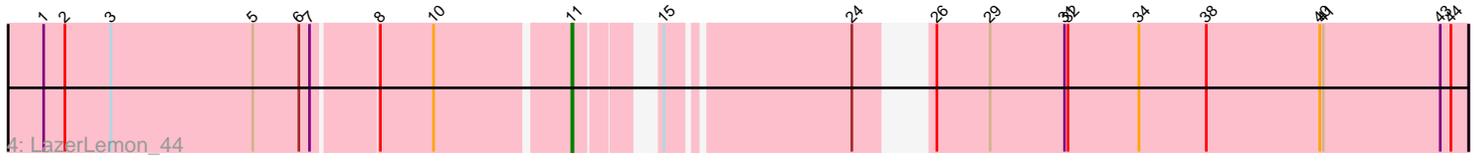
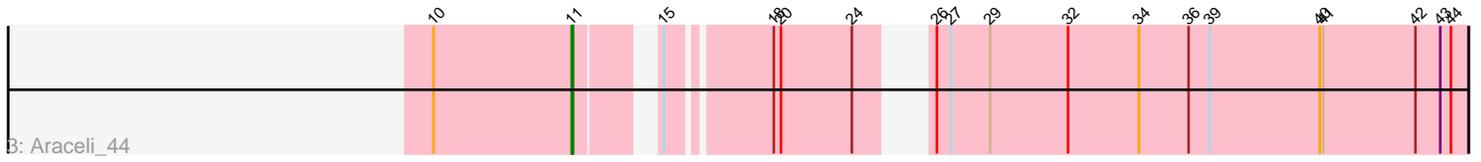
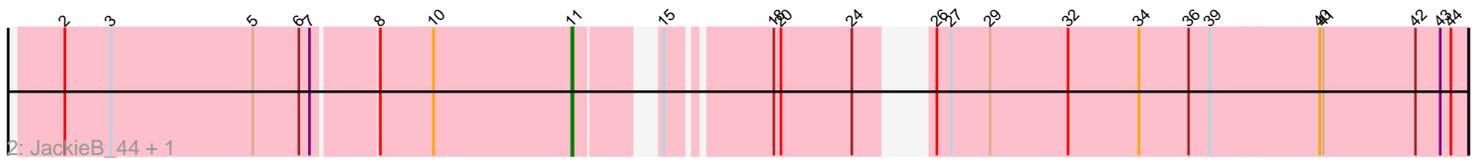
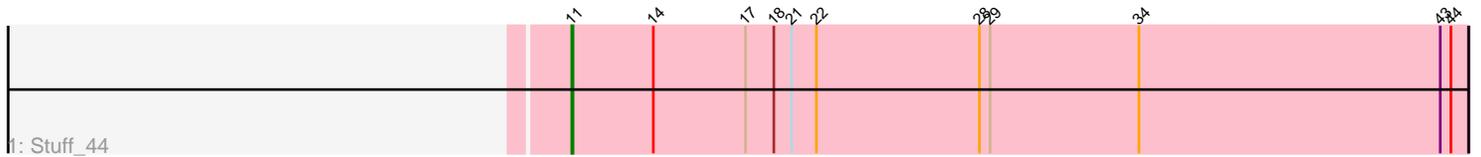


Pham 289915



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 289915 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289915 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Stuff_44
- Track 2 : JackieB_44, Henoccus_44
- Track 3 : Araceli_44
- Track 4 : LazerLemon_44
- Track 5 : Intolerant_43, Shynx_44
- Track 6 : UNTPL_46
- Track 7 : Crosby_44
- Track 8 : Bogota_45
- Track 9 : Microdon_43
- Track 10 : Marky_46

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

The start number called the most often in the published annotations is 11, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_44, Bogota_45, Crosby_44, Henoccus_44, Intolerant_43, JackieB_44, LazerLemon_44, Marky_46, Microdon_43, Shynx_44, Stuff_44, UNTPL_46,

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

-

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

-

Summary by start number:

Start 11:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli_44 (BH), Bogota_45 (BH), Crosby_44 (BH), Henoccus_44 (BH), Intolerant_43 (BH), JackieB_44 (BH),

LazerLemon_44 (BH), Marky_46 (BH), Microdon_43 (BH), Shynx_44 (BH), Stuff_44 (BH), UNTPL_46 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

•Start number 11 was manually annotated 12 times for cluster BH.

Gene Information:

Gene: Araceli_44 Start: 33079, Stop: 33750, Start Num: 11

Candidate Starts for Araceli_44:

(10, 32962), (Start: 11 @33079 has 12 MA's), (15, 33130), (18, 33208), (20, 33214), (24, 33274), (26, 33304), (27, 33316), (29, 33349), (32, 33415), (34, 33475), (36, 33517), (39, 33535), (40, 33625), (41, 33628), (42, 33706), (43, 33727), (44, 33736),

Gene: Bogota_45 Start: 33597, Stop: 34298, Start Num: 11

Candidate Starts for Bogota_45:

(5, 33342), (6, 33381), (7, 33390), (8, 33441), (9, 33456), (10, 33486), (Start: 11 @33597 has 12 MA's), (14, 33666), (17, 33744), (18, 33768), (21, 33783), (22, 33804), (24, 33834), (25, 33840), (28, 33888), (29, 33897), (30, 33924), (34, 34023), (43, 34275), (44, 34284),

Gene: Crosby_44 Start: 33342, Stop: 34043, Start Num: 11

Candidate Starts for Crosby_44:

(Start: 11 @33342 has 12 MA's), (12, 33366), (14, 33411), (17, 33489), (18, 33513), (21, 33528), (22, 33549), (24, 33579), (28, 33633), (29, 33642), (34, 33768), (35, 33807), (43, 34020), (44, 34029),

Gene: Henoccus_44 Start: 33096, Stop: 33767, Start Num: 11

Candidate Starts for Henoccus_44:

(2, 32676), (3, 32715), (5, 32835), (6, 32874), (7, 32883), (8, 32934), (10, 32979), (Start: 11 @33096 has 12 MA's), (15, 33147), (18, 33225), (20, 33231), (24, 33291), (26, 33321), (27, 33333), (29, 33366), (32, 33432), (34, 33492), (36, 33534), (39, 33552), (40, 33642), (41, 33645), (42, 33723), (43, 33744), (44, 33753),

Gene: Intolerant_43 Start: 33235, Stop: 33990, Start Num: 11

Candidate Starts for Intolerant_43:

(5, 32980), (6, 33019), (7, 33028), (8, 33079), (9, 33094), (10, 33124), (Start: 11 @33235 has 12 MA's), (14, 33304), (17, 33382), (18, 33406), (21, 33421), (22, 33442), (28, 33580), (29, 33589), (34, 33715), (43, 33967), (44, 33976),

Gene: JackieB_44 Start: 32935, Stop: 33606, Start Num: 11

Candidate Starts for JackieB_44:

(2, 32515), (3, 32554), (5, 32674), (6, 32713), (7, 32722), (8, 32773), (10, 32818), (Start: 11 @32935 has 12 MA's), (15, 32986), (18, 33064), (20, 33070), (24, 33130), (26, 33160), (27, 33172), (29, 33205), (32, 33271), (34, 33331), (36, 33373), (39, 33391), (40, 33481), (41, 33484), (42, 33562), (43, 33583), (44, 33592),

Gene: LazerLemon_44 Start: 33723, Stop: 34394, Start Num: 11

Candidate Starts for LazerLemon_44:

(1, 33294), (2, 33312), (3, 33351), (5, 33471), (6, 33510), (7, 33519), (8, 33570), (10, 33615), (Start: 11 @33723 has 12 MA's), (15, 33771), (24, 33915), (26, 33945), (29, 33990), (31, 34053), (32, 34056), (34, 34116), (38, 34173), (40, 34269), (41, 34272), (43, 34371), (44, 34380),

Gene: Marky_46 Start: 33813, Stop: 34481, Start Num: 11

Candidate Starts for Marky_46:

(2, 33393), (3, 33432), (4, 33543), (6, 33588), (7, 33597), (8, 33657), (9, 33672), (10, 33702), (Start: 11 @33813 has 12 MA's), (13, 33834), (15, 33861), (21, 33954), (22, 33975), (24, 34005), (26, 34035), (28, 34071), (29, 34080), (32, 34146), (33, 34194), (34, 34206), (36, 34248), (39, 34266), (40, 34356), (41, 34359), (44, 34467), (45, 34470),

Gene: Microdon_43 Start: 33041, Stop: 33796, Start Num: 11

Candidate Starts for Microdon_43:

(Start: 11 @33041 has 12 MA's), (12, 33065), (14, 33110), (16, 33185), (18, 33212), (19, 33215), (21, 33227), (22, 33248), (23, 33254), (28, 33386), (29, 33395), (34, 33521), (37, 33566), (43, 33773), (44, 33782),

Gene: Shynx_44 Start: 33525, Stop: 34226, Start Num: 11

Candidate Starts for Shynx_44:

(5, 33270), (6, 33309), (7, 33318), (8, 33369), (9, 33384), (10, 33414), (Start: 11 @33525 has 12 MA's), (14, 33594), (17, 33672), (18, 33696), (21, 33711), (22, 33732), (28, 33816), (29, 33825), (34, 33951), (43, 34203), (44, 34212),

Gene: Stuff_44 Start: 33521, Stop: 34276, Start Num: 11

Candidate Starts for Stuff_44:

(Start: 11 @33521 has 12 MA's), (14, 33590), (17, 33668), (18, 33692), (21, 33707), (22, 33728), (28, 33866), (29, 33875), (34, 34001), (43, 34253), (44, 34262),

Gene: UNTPL_46 Start: 33578, Stop: 34333, Start Num: 11

Candidate Starts for UNTPL_46:

(5, 33323), (6, 33362), (7, 33371), (8, 33422), (9, 33437), (10, 33467), (Start: 11 @33578 has 12 MA's), (14, 33647), (17, 33725), (18, 33749), (21, 33764), (22, 33785), (28, 33923), (29, 33932), (30, 33959), (34, 34058), (43, 34310), (44, 34319),