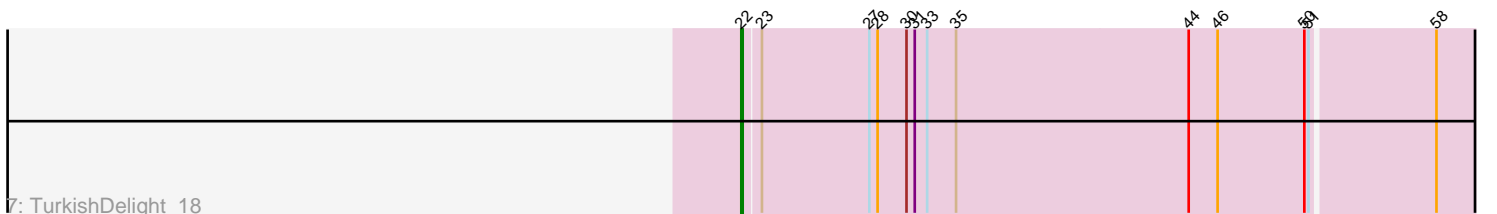
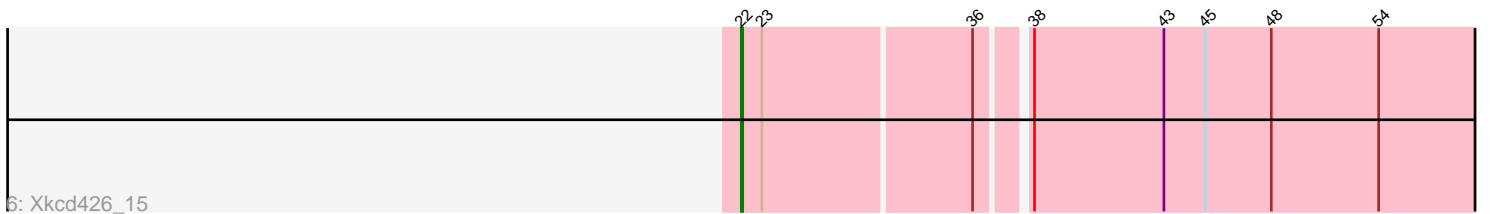
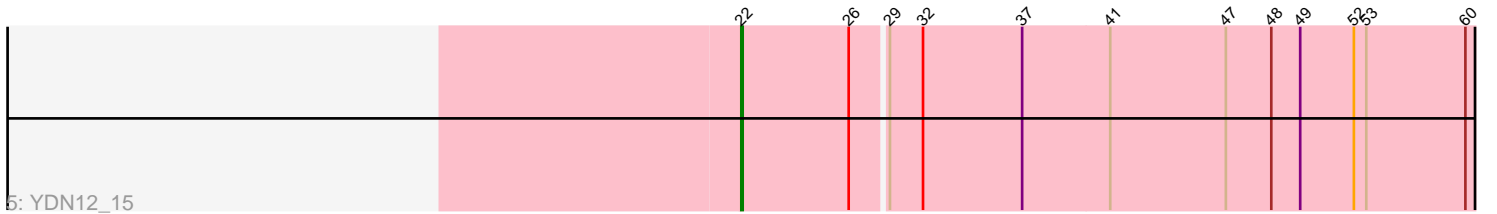
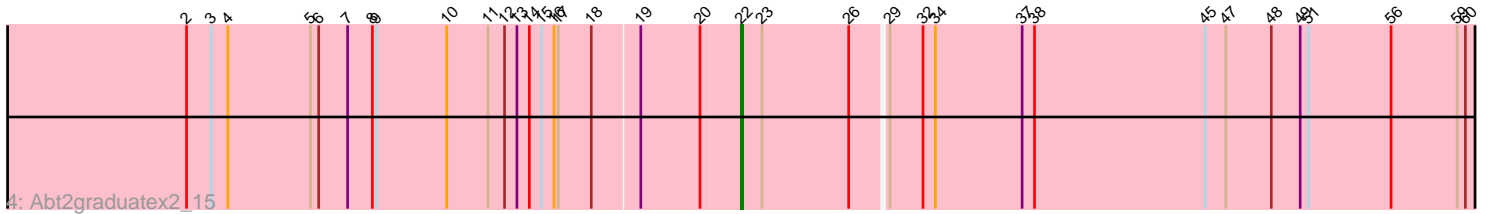
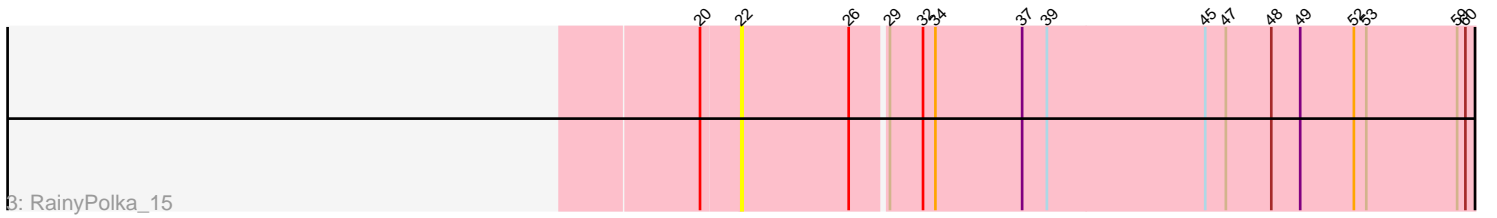
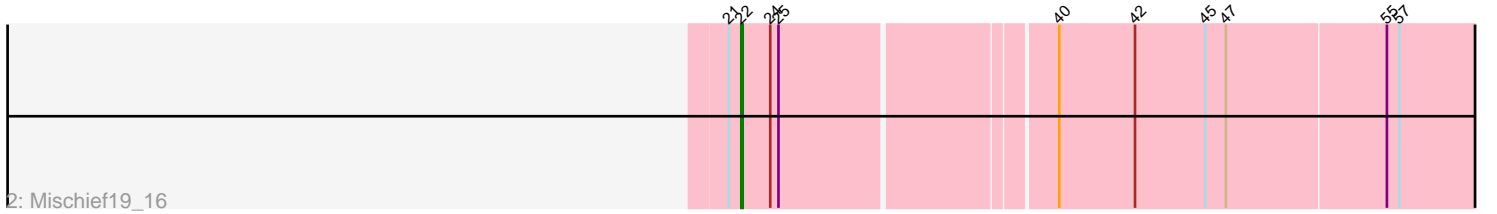
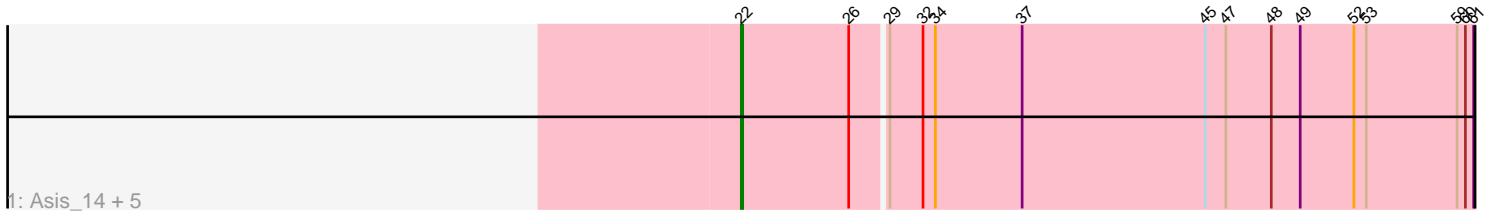


Zoomed Pham 221966



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 221966 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221966 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Asis_14, Maih_14, Salete_14, TP1604_14, BabyGotBac_14, BayC_14
- Track 2 : Mischief19_16
- Track 3 : RainyPolka_15
- Track 4 : Abt2graduatex2_15
- Track 5 : YDN12_15
- Track 6 : Xkcd426_15
- Track 7 : TurkishDelight_18

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

The start number called the most often in the published annotations is 22, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_15, Asis_14, BabyGotBac_14, BayC_14, Maih_14, Mischief19_16, RainyPolka_15, Salete_14, TP1604_14, TurkishDelight_18, Xkcd426_15, YDN12_15,

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 22:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_15 (BG), Asis_14 (BG), BabyGotBac_14 (BG), BayC_14 (BG), Maih_14 (BG), Mischief19_16 (BG), RainyPolka_15 (BG), Salete_14 (BG), TP1604_14 (BG), TurkishDelight_18 (singleton), Xkcd426_15 (BG), YDN12_15 (BG),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, BG,

Info for manual annotations of cluster BG:

•Start number 22 was manually annotated 10 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_15 Start: 16020, Stop: 16913, Start Num: 22

Candidate Starts for Abt2graduatex2_15:

(1, 15447), (2, 15624), (3, 15642), (4, 15654), (5, 15714), (6, 15720), (7, 15741), (8, 15759), (9, 15762), (10, 15813), (11, 15843), (12, 15855), (13, 15864), (14, 15873), (15, 15882), (16, 15891), (17, 15894), (18, 15918), (19, 15951), (20, 15993), (Start: 22 @16020 has 11 MA's), (23, 16035), (26, 16098), (29, 16122), (32, 16146), (34, 16155), (37, 16218), (38, 16227), (45, 16350), (47, 16365), (48, 16398), (49, 16419), (51, 16425), (56, 16485), (59, 16533), (60, 16539), (63, 16575), (69, 16692), (70, 16716), (72, 16734), (77, 16797), (79, 16818), (80, 16836),

Gene: Asis_14 Start: 15544, Stop: 16440, Start Num: 22

Candidate Starts for Asis_14:

(Start: 22 @15544 has 11 MA's), (26, 15622), (29, 15646), (32, 15670), (34, 15679), (37, 15742), (45, 15874), (47, 15889), (48, 15922), (49, 15943), (52, 15982), (53, 15991), (59, 16057), (60, 16063), (61, 16069), (63, 16099), (64, 16129), (66, 16153), (72, 16258), (75, 16291), (79, 16342), (80, 16360), (85, 16399), (87, 16426),

Gene: BabyGotBac_14 Start: 15544, Stop: 16440, Start Num: 22

Candidate Starts for BabyGotBac_14:

(Start: 22 @15544 has 11 MA's), (26, 15622), (29, 15646), (32, 15670), (34, 15679), (37, 15742), (45, 15874), (47, 15889), (48, 15922), (49, 15943), (52, 15982), (53, 15991), (59, 16057), (60, 16063), (61, 16069), (63, 16099), (64, 16129), (66, 16153), (72, 16258), (75, 16291), (79, 16342), (80, 16360), (85, 16399), (87, 16426),

Gene: BayC_14 Start: 15544, Stop: 16440, Start Num: 22

Candidate Starts for BayC_14:

(Start: 22 @15544 has 11 MA's), (26, 15622), (29, 15646), (32, 15670), (34, 15679), (37, 15742), (45, 15874), (47, 15889), (48, 15922), (49, 15943), (52, 15982), (53, 15991), (59, 16057), (60, 16063), (61, 16069), (63, 16099), (64, 16129), (66, 16153), (72, 16258), (75, 16291), (79, 16342), (80, 16360), (85, 16399), (87, 16426),

Gene: Maih_14 Start: 15543, Stop: 16439, Start Num: 22

Candidate Starts for Maih_14:

(Start: 22 @15543 has 11 MA's), (26, 15621), (29, 15645), (32, 15669), (34, 15678), (37, 15741), (45, 15873), (47, 15888), (48, 15921), (49, 15942), (52, 15981), (53, 15990), (59, 16056), (60, 16062), (61, 16068), (63, 16098), (64, 16128), (66, 16152), (72, 16257), (75, 16290), (79, 16341), (80, 16359), (85, 16398), (87, 16425),

Gene: Mischief19_16 Start: 18095, Stop: 18940, Start Num: 22

Candidate Starts for Mischief19_16:

(21, 18086), (Start: 22 @18095 has 11 MA's), (24, 18116), (25, 18122), (40, 18308), (42, 18362), (45, 18413), (47, 18428), (55, 18542), (57, 18551), (62, 18623), (66, 18689), (72, 18776), (73, 18782), (74, 18806), (80, 18878), (81, 18887), (82, 18899), (84, 18911),

Gene: RainyPolka_15 Start: 15874, Stop: 16773, Start Num: 22

Candidate Starts for RainyPolka_15:

(20, 15847), (Start: 22 @15874 has 11 MA's), (26, 15952), (29, 15976), (32, 16000), (34, 16009), (37, 16072), (39, 16090), (45, 16204), (47, 16219), (48, 16252), (49, 16273), (52, 16312), (53, 16321), (59, 16387), (60, 16393), (63, 16429), (65, 16480), (66, 16483), (68, 16510), (72, 16588), (77, 16651), (80, 16690), (82, 16711), (85, 16729), (88, 16762),

Gene: Salete_14 Start: 15544, Stop: 16440, Start Num: 22

Candidate Starts for Salete_14:

(Start: 22 @15544 has 11 MA's), (26, 15622), (29, 15646), (32, 15670), (34, 15679), (37, 15742), (45, 15874), (47, 15889), (48, 15922), (49, 15943), (52, 15982), (53, 15991), (59, 16057), (60, 16063), (61, 16069), (63, 16099), (64, 16129), (66, 16153), (72, 16258), (75, 16291), (79, 16342), (80, 16360), (85, 16399), (87, 16426),

Gene: TP1604_14 Start: 15544, Stop: 16440, Start Num: 22

Candidate Starts for TP1604_14:

(Start: 22 @15544 has 11 MA's), (26, 15622), (29, 15646), (32, 15670), (34, 15679), (37, 15742), (45, 15874), (47, 15889), (48, 15922), (49, 15943), (52, 15982), (53, 15991), (59, 16057), (60, 16063), (61, 16069), (63, 16099), (64, 16129), (66, 16153), (72, 16258), (75, 16291), (79, 16342), (80, 16360), (85, 16399), (87, 16426),

Gene: TurkishDelight_18 Start: 14791, Stop: 15639, Start Num: 22

Candidate Starts for TurkishDelight_18:

(Start: 22 @14791 has 11 MA's), (23, 14803), (27, 14881), (28, 14887), (30, 14908), (31, 14914), (33, 14923), (35, 14944), (44, 15112), (46, 15133), (50, 15196), (51, 15199), (58, 15286), (67, 15421), (76, 15538), (79, 15568), (80, 15586), (83, 15607), (85, 15622), (86, 15625),

Gene: Xkcd426_15 Start: 16526, Stop: 17386, Start Num: 22

Candidate Starts for Xkcd426_15:

(Start: 22 @16526 has 11 MA's), (23, 16541), (36, 16688), (38, 16718), (43, 16811), (45, 16841), (48, 16889), (54, 16967), (62, 17054), (63, 17066), (71, 17210), (72, 17222), (74, 17252), (78, 17288),

Gene: YDN12_15 Start: 15481, Stop: 16377, Start Num: 22

Candidate Starts for YDN12_15:

(Start: 22 @15481 has 11 MA's), (26, 15559), (29, 15583), (32, 15607), (37, 15679), (41, 15742), (47, 15826), (48, 15859), (49, 15880), (52, 15919), (53, 15928), (60, 16000), (63, 16036), (64, 16066), (66, 16090), (75, 16228), (77, 16258), (78, 16261), (79, 16279), (80, 16297), (85, 16336), (87, 16363),