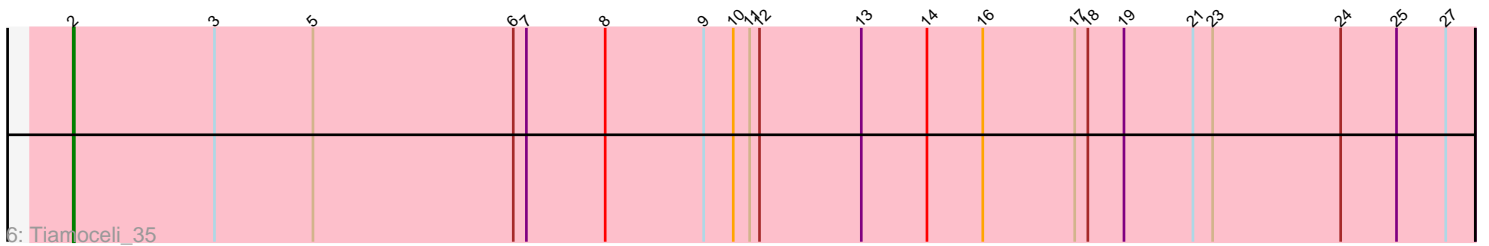
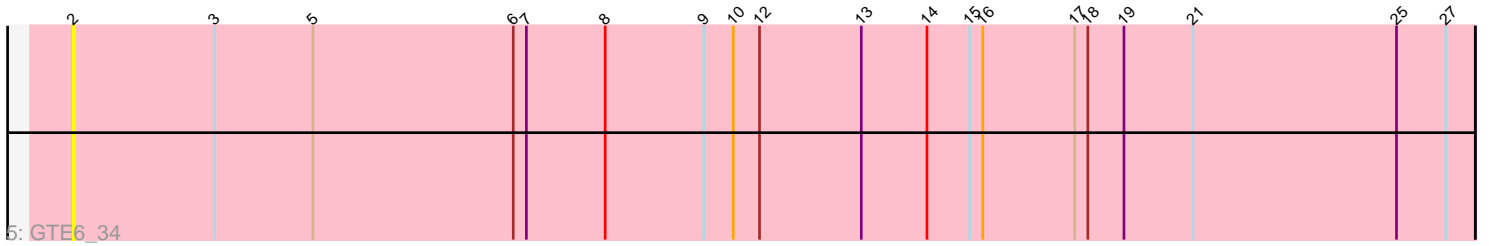
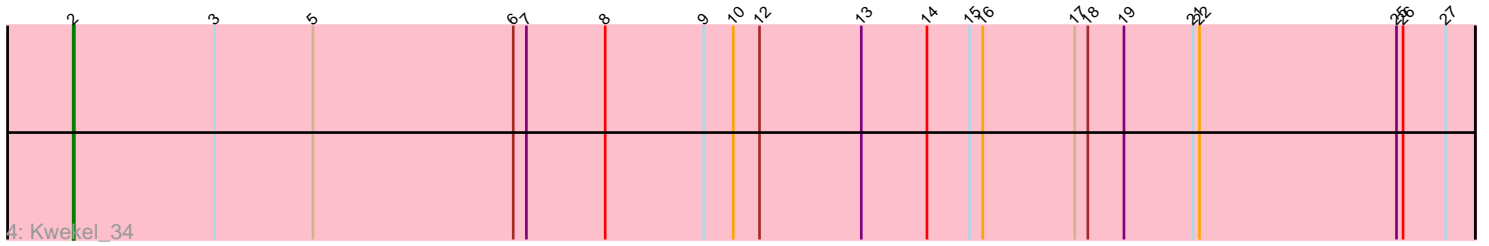
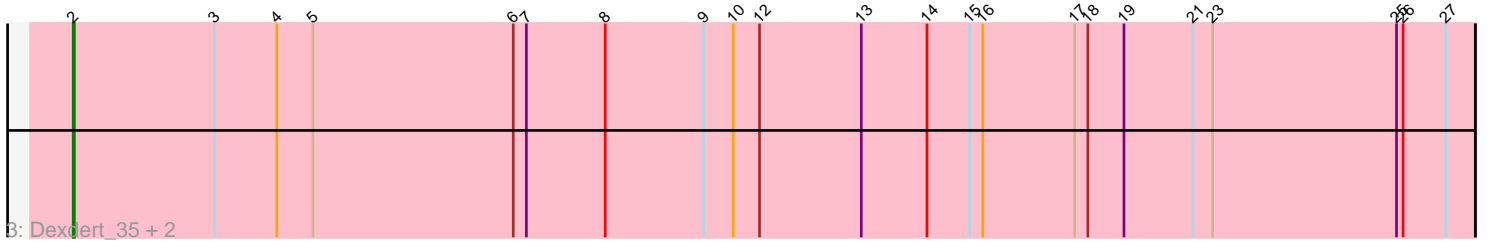
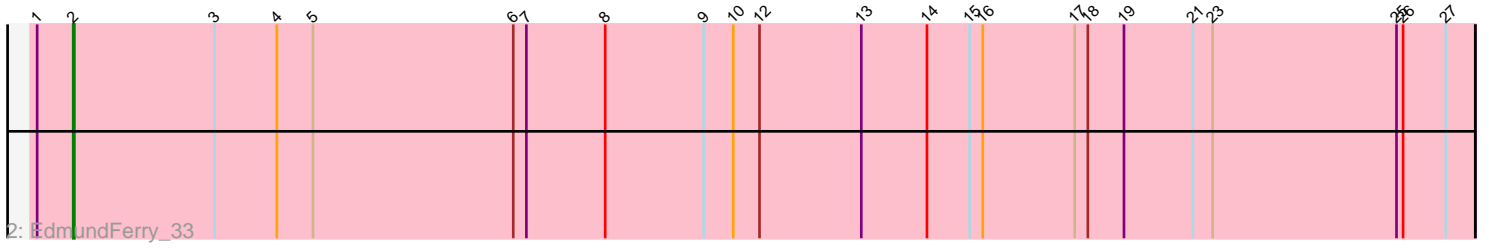
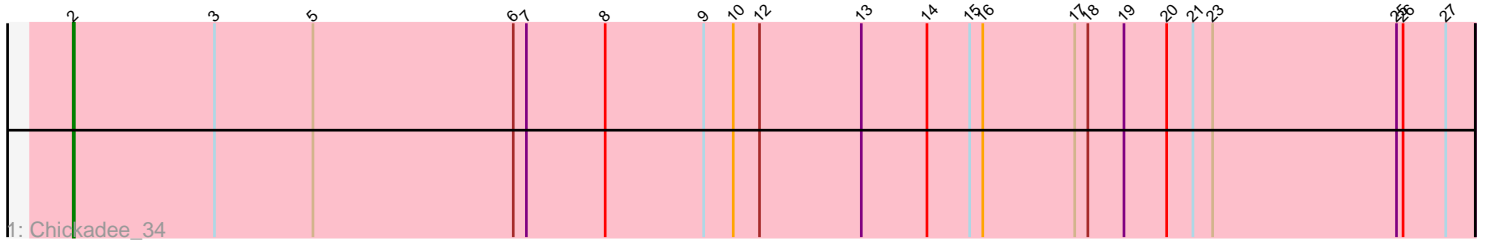


Pham 193153



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 193153 Report

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

Pham number 193153 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Chickadee_34
- Track 2 : EdmundFerry_33
- Track 3 : Dexdert_35, RoadKill_32, Twonlo_32
- Track 4 : Kwekel_34
- Track 5 : GTE6_34
- Track 6 : Tiamoceli_35

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chickadee_34, Dexdert_35, EdmundFerry_33, GTE6_34, Kwekel_34, RoadKill_32, Tiamoceli_35, Twonlo_32,

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 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chickadee_34 (DE3), Dexdert_35 (DE3), EdmundFerry_33 (DE3), GTE6_34 (DE3), Kwekel_34 (DE3), RoadKill_32 (DE3), Tiamoceli_35 (DE3), Twonlo_32 (DE3),

Summary by clusters:

There is one cluster represented in this pham: DE3

Info for manual annotations of cluster DE3:

•Start number 2 was manually annotated 7 times for cluster DE3.

Gene Information:

Gene: Chickadee_34 Start: 29877, Stop: 31157, Start Num: 2

Candidate Starts for Chickadee_34:

(Start: 2 @29877 has 7 MA's), (3, 30006), (5, 30096), (6, 30279), (7, 30291), (8, 30363), (9, 30453), (10, 30480), (12, 30504), (13, 30597), (14, 30657), (15, 30696), (16, 30708), (17, 30792), (18, 30804), (19, 30837), (20, 30876), (21, 30900), (23, 30918), (25, 31086), (26, 31092), (27, 31131),

Gene: Dextert_35 Start: 30320, Stop: 31600, Start Num: 2

Candidate Starts for Dextert_35:

(Start: 2 @30320 has 7 MA's), (3, 30449), (4, 30506), (5, 30539), (6, 30722), (7, 30734), (8, 30806), (9, 30896), (10, 30923), (12, 30947), (13, 31040), (14, 31100), (15, 31139), (16, 31151), (17, 31235), (18, 31247), (19, 31280), (21, 31343), (23, 31361), (25, 31529), (26, 31535), (27, 31574),

Gene: EdmundFerry_33 Start: 29906, Stop: 31186, Start Num: 2

Candidate Starts for EdmundFerry_33:

(1, 29873), (Start: 2 @29906 has 7 MA's), (3, 30035), (4, 30092), (5, 30125), (6, 30308), (7, 30320), (8, 30392), (9, 30482), (10, 30509), (12, 30533), (13, 30626), (14, 30686), (15, 30725), (16, 30737), (17, 30821), (18, 30833), (19, 30866), (21, 30929), (23, 30947), (25, 31115), (26, 31121), (27, 31160),

Gene: GTE6_34 Start: 30398, Stop: 31678, Start Num: 2

Candidate Starts for GTE6_34:

(Start: 2 @30398 has 7 MA's), (3, 30527), (5, 30617), (6, 30800), (7, 30812), (8, 30884), (9, 30974), (10, 31001), (12, 31025), (13, 31118), (14, 31178), (15, 31217), (16, 31229), (17, 31313), (18, 31325), (19, 31358), (21, 31421), (25, 31607), (27, 31652),

Gene: Kwekel_34 Start: 29835, Stop: 31115, Start Num: 2

Candidate Starts for Kwekel_34:

(Start: 2 @29835 has 7 MA's), (3, 29964), (5, 30054), (6, 30237), (7, 30249), (8, 30321), (9, 30411), (10, 30438), (12, 30462), (13, 30555), (14, 30615), (15, 30654), (16, 30666), (17, 30750), (18, 30762), (19, 30795), (21, 30858), (22, 30864), (25, 31044), (26, 31050), (27, 31089),

Gene: RoadKill_32 Start: 29401, Stop: 30681, Start Num: 2

Candidate Starts for RoadKill_32:

(Start: 2 @29401 has 7 MA's), (3, 29530), (4, 29587), (5, 29620), (6, 29803), (7, 29815), (8, 29887), (9, 29977), (10, 30004), (12, 30028), (13, 30121), (14, 30181), (15, 30220), (16, 30232), (17, 30316), (18, 30328), (19, 30361), (21, 30424), (23, 30442), (25, 30610), (26, 30616), (27, 30655),

Gene: Tiamoceli_35 Start: 30734, Stop: 32014, Start Num: 2

Candidate Starts for Tiamoceli_35:

(Start: 2 @30734 has 7 MA's), (3, 30863), (5, 30953), (6, 31136), (7, 31148), (8, 31220), (9, 31310), (10, 31337), (11, 31352), (12, 31361), (13, 31454), (14, 31514), (16, 31565), (17, 31649), (18, 31661), (19, 31694), (21, 31757), (23, 31775), (24, 31892), (25, 31943), (27, 31988),

Gene: Twonlo_32 Start: 29352, Stop: 30632, Start Num: 2

Candidate Starts for Twonlo_32:

(Start: 2 @29352 has 7 MA's), (3, 29481), (4, 29538), (5, 29571), (6, 29754), (7, 29766), (8, 29838), (9, 29928), (10, 29955), (12, 29979), (13, 30072), (14, 30132), (15, 30171), (16, 30183), (17, 30267), (18, 30279), (19, 30312), (21, 30375), (23, 30393), (25, 30561), (26, 30567), (27, 30606),