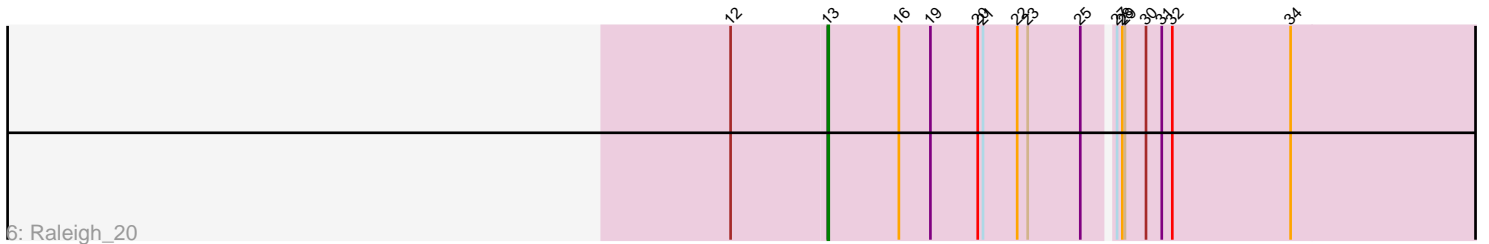
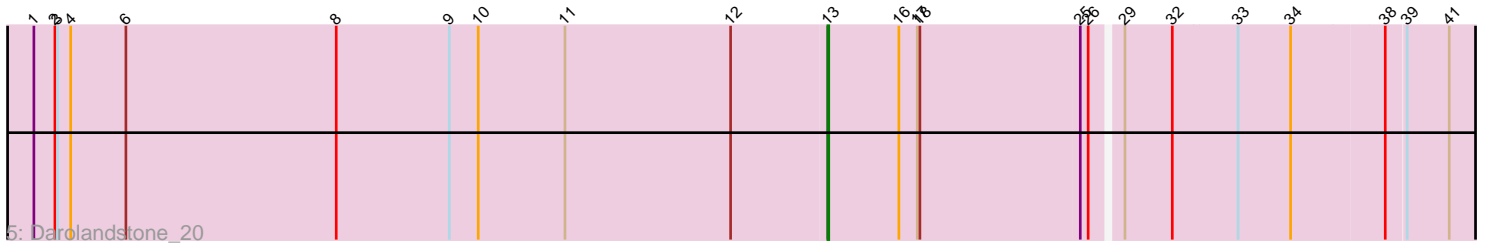
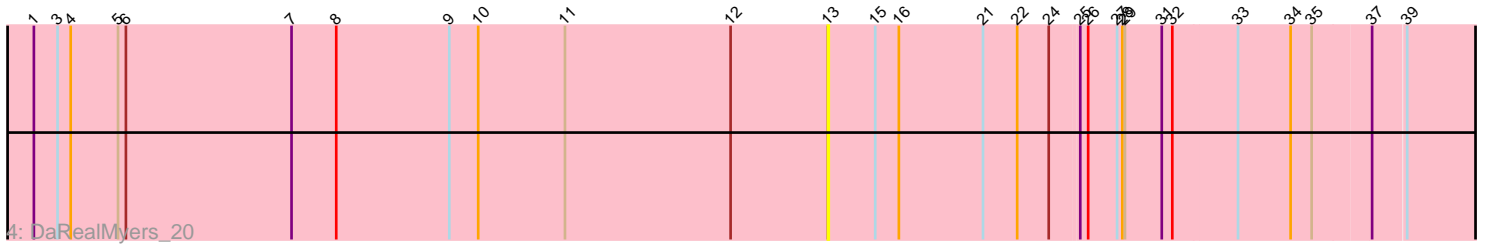
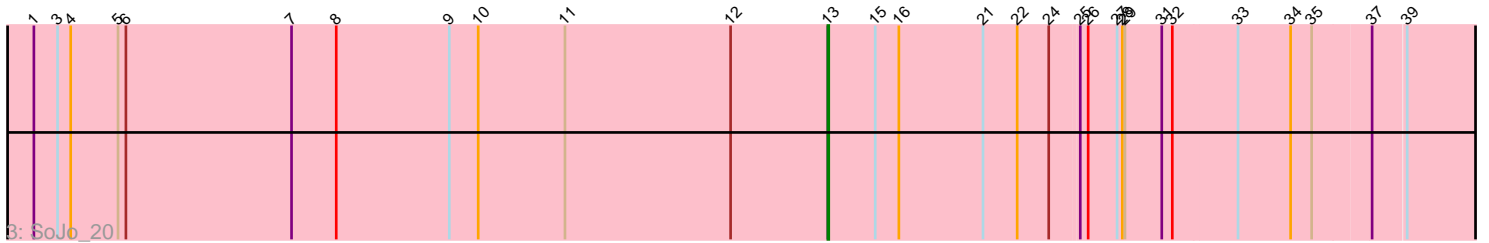
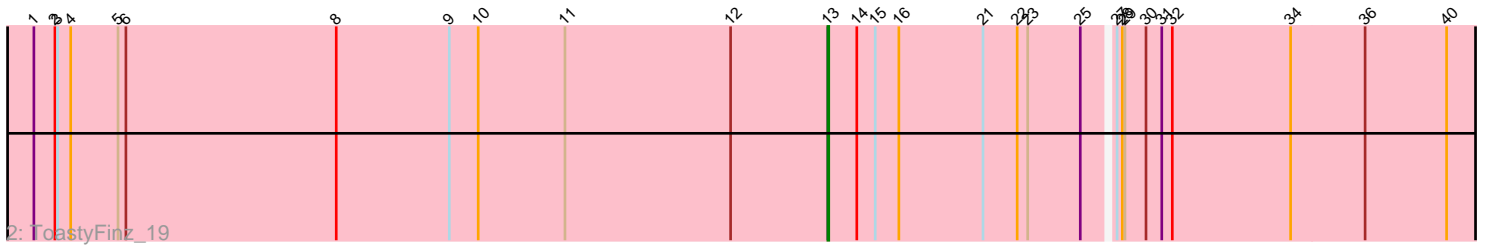
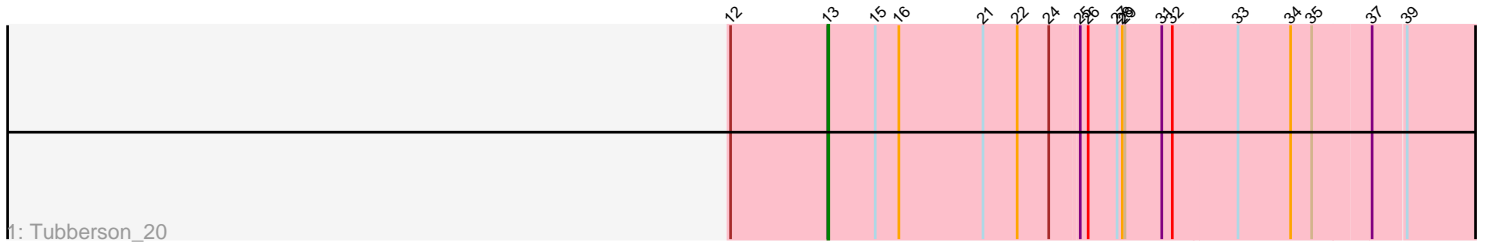


Pham 299190



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 299190 Report

This analysis was run 06/08/26 on database version 649.

Pham number 299190 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tubberson_20
- Track 2 : ToastyFinz_19
- Track 3 : SoJo_20
- Track 4 : DaRealMyers_20
- Track 5 : Darolandstone_20
- Track 6 : Raleigh_20

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DaRealMyers_20, Darolandstone_20, Raleigh_20, SoJo_20, ToastyFinz_19, Tubberson_20,

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 13:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DaRealMyers_20 (BC1), Darolandstone_20 (BC2), Raleigh_20 (BC2), SoJo_20 (BC1), ToastyFinz_19 (BC1), Tubberson_20 (BC1),

Summary by clusters:

There are 2 clusters represented in this pham: BC1, BC2,

Info for manual annotations of cluster BC1:

•Start number 13 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC2:

•Start number 13 was manually annotated 2 times for cluster BC2.

Gene Information:

Gene: DaRealMyers_20 Start: 15747, Stop: 16487, Start Num: 13

Candidate Starts for DaRealMyers_20:

(1, 14841), (3, 14868), (4, 14883), (5, 14937), (6, 14946), (7, 15135), (8, 15186), (9, 15315), (10, 15348), (11, 15447), (12, 15636), (Start: 13 @15747 has 5 MA's), (15, 15801), (16, 15828), (21, 15924), (22, 15963), (24, 15999), (25, 16029), (26, 16038), (27, 16071), (28, 16077), (29, 16080), (31, 16122), (32, 16134), (33, 16206), (34, 16266), (35, 16290), (37, 16353), (39, 16389),

Gene: Darolandstone_20 Start: 15910, Stop: 16635, Start Num: 13

Candidate Starts for Darolandstone_20:

(1, 15007), (2, 15031), (3, 15034), (4, 15049), (6, 15112), (8, 15352), (9, 15481), (10, 15514), (11, 15613), (12, 15802), (Start: 13 @15910 has 5 MA's), (16, 15991), (17, 16012), (18, 16015), (25, 16192), (26, 16201), (29, 16231), (32, 16285), (33, 16357), (34, 16417), (38, 16519), (39, 16540), (41, 16588),

Gene: Raleigh_20 Start: 16095, Stop: 16919, Start Num: 13

Candidate Starts for Raleigh_20:

(12, 15987), (Start: 13 @16095 has 5 MA's), (16, 16176), (19, 16212), (20, 16266), (21, 16272), (22, 16311), (23, 16323), (25, 16383), (27, 16413), (28, 16419), (29, 16422), (30, 16446), (31, 16464), (32, 16476), (34, 16611),

Gene: SoJo_20 Start: 15748, Stop: 16488, Start Num: 13

Candidate Starts for SoJo_20:

(1, 14842), (3, 14869), (4, 14884), (5, 14938), (6, 14947), (7, 15136), (8, 15187), (9, 15316), (10, 15349), (11, 15448), (12, 15637), (Start: 13 @15748 has 5 MA's), (15, 15802), (16, 15829), (21, 15925), (22, 15964), (24, 16000), (25, 16030), (26, 16039), (27, 16072), (28, 16078), (29, 16081), (31, 16123), (32, 16135), (33, 16207), (34, 16267), (35, 16291), (37, 16354), (39, 16390),

Gene: ToastyFinz_19 Start: 15425, Stop: 16273, Start Num: 13

Candidate Starts for ToastyFinz_19:

(1, 14519), (2, 14543), (3, 14546), (4, 14561), (5, 14615), (6, 14624), (8, 14864), (9, 14993), (10, 15026), (11, 15125), (12, 15314), (Start: 13 @15425 has 5 MA's), (14, 15458), (15, 15479), (16, 15506), (21, 15602), (22, 15641), (23, 15653), (25, 15713), (27, 15743), (28, 15749), (29, 15752), (30, 15776), (31, 15794), (32, 15806), (34, 15941), (36, 16025), (40, 16115),

Gene: Tubberson_20 Start: 15747, Stop: 16487, Start Num: 13

Candidate Starts for Tubberson_20:

(12, 15636), (Start: 13 @15747 has 5 MA's), (15, 15801), (16, 15828), (21, 15924), (22, 15963), (24, 15999), (25, 16029), (26, 16038), (27, 16071), (28, 16077), (29, 16080), (31, 16122), (32, 16134), (33, 16206), (34, 16266), (35, 16290), (37, 16353), (39, 16389),