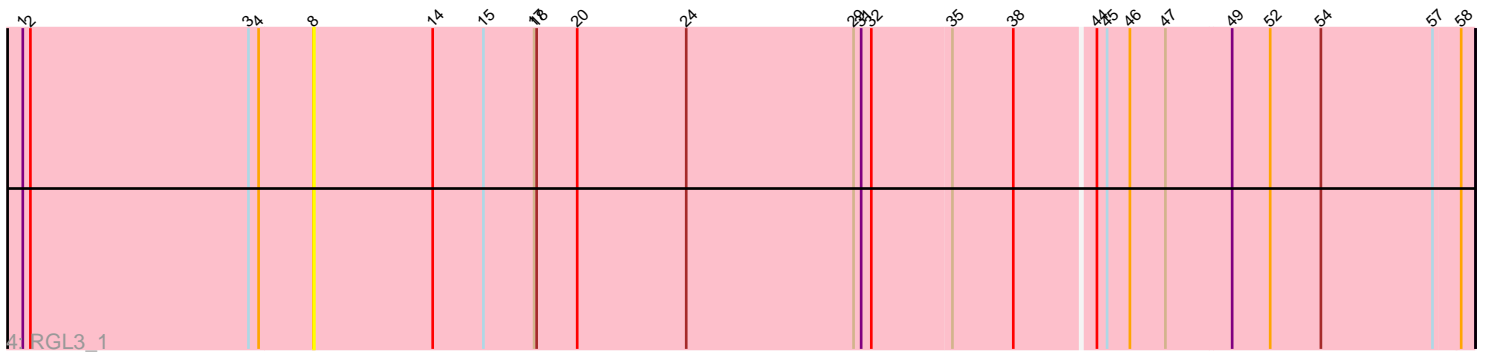
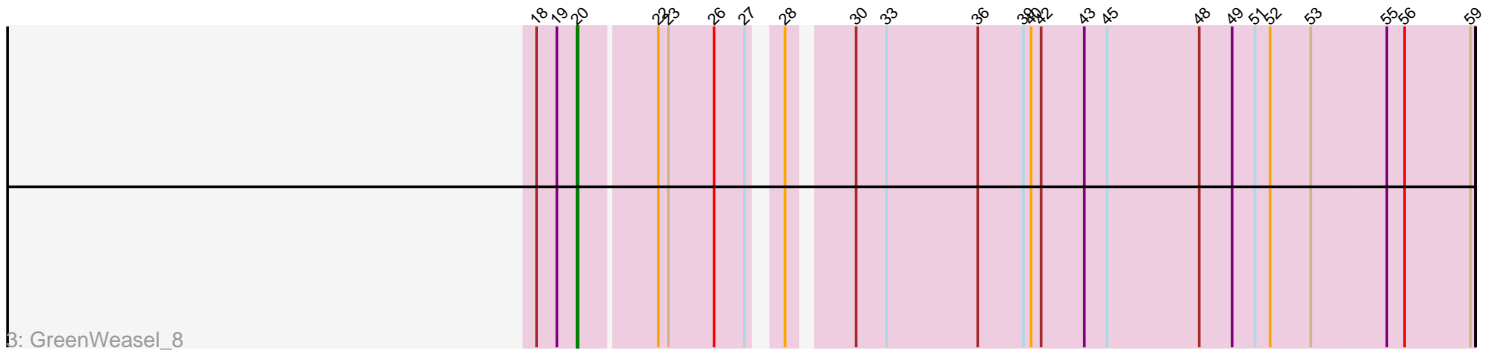
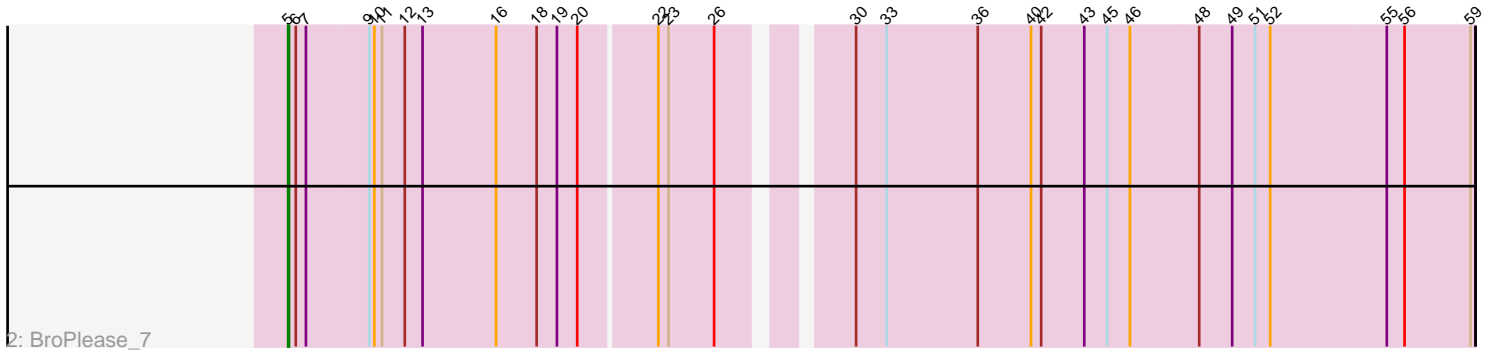
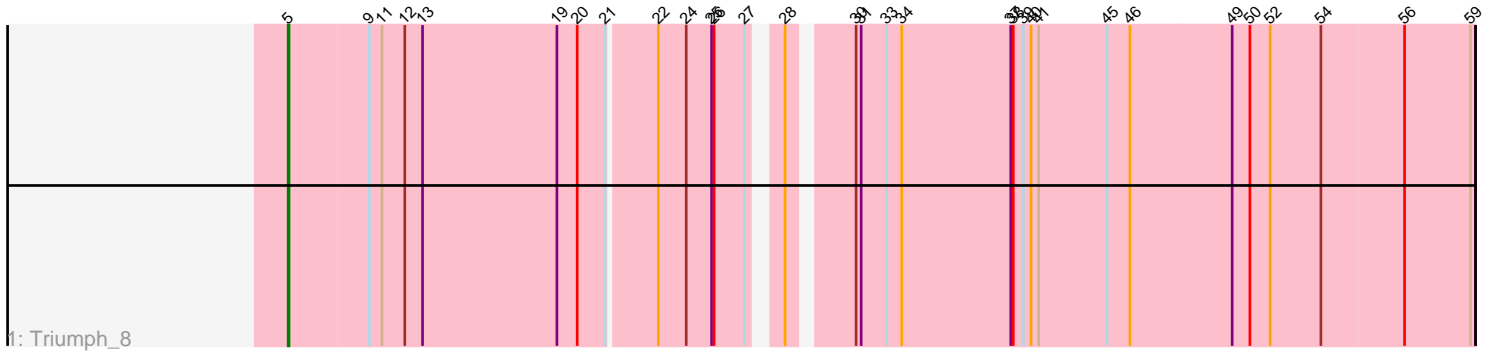


Pham 158535



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 158535 Report

This analysis was run 04/13/24 on database version 558.

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 158535 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Triumph_8
- Track 2 : BroPlease_7
- Track 3 : GreenWeasel_8
- Track 4 : RGL3_1

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BroPlease_7, Triumph_8,

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

-

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

- GreenWeasel_8, RGL3_1,

Summary by start number:

Start 5:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BroPlease_7 (BD4), Triumph_8 (BD2),

Start 8:

- Found in 1 of 4 (25.0%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: RGL3_1 (CA),

Start 20:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 25.0% of time when present
- Phage (with cluster) where this start called: GreenWeasel_8 (BD4),

Summary by clusters:

There are 3 clusters represented in this pham: BD4, CA, BD2,

Info for manual annotations of cluster BD2:

- Start number 5 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD4:

- Start number 5 was manually annotated 1 time for cluster BD4.
- Start number 20 was manually annotated 1 time for cluster BD4.

Gene Information:

Gene: BroPlease_7 Start: 2717, Stop: 4060, Start Num: 5

Candidate Starts for BroPlease_7:

(Start: 5 @2717 has 2 MA's), (6, 2726), (7, 2738), (9, 2810), (10, 2816), (11, 2825), (12, 2852), (13, 2873), (16, 2960), (18, 3008), (19, 3032), (Start: 20 @3056 has 1 MA's), (22, 3143), (23, 3155), (26, 3209), (30, 3332), (33, 3368), (36, 3476), (40, 3539), (42, 3551), (43, 3602), (45, 3629), (46, 3656), (48, 3737), (49, 3776), (51, 3803), (52, 3821), (55, 3956), (56, 3977), (59, 4055),

Gene: GreenWeasel_8 Start: 3065, Stop: 4069, Start Num: 20

Candidate Starts for GreenWeasel_8:

(18, 3017), (19, 3041), (Start: 20 @3065 has 1 MA's), (22, 3152), (23, 3164), (26, 3218), (27, 3254), (28, 3278), (30, 3341), (33, 3377), (36, 3485), (39, 3539), (40, 3548), (42, 3560), (43, 3611), (45, 3638), (48, 3746), (49, 3785), (51, 3812), (52, 3830), (53, 3878), (55, 3965), (56, 3986), (59, 4064),

Gene: RGL3_1 Start: 361, Stop: 1710, Start Num: 8

Candidate Starts for RGL3_1:

(1, 19), (2, 28), (3, 286), (4, 298), (8, 361), (14, 502), (15, 562), (17, 619), (18, 622), (Start: 20 @670 has 1 MA's), (24, 799), (29, 997), (31, 1006), (32, 1018), (35, 1111), (38, 1183), (44, 1273), (45, 1285), (46, 1312), (47, 1354), (49, 1429), (52, 1474), (54, 1534), (57, 1666), (58, 1696),

Gene: Triumph_8 Start: 2519, Stop: 3862, Start Num: 5

Candidate Starts for Triumph_8:

(Start: 5 @2519 has 2 MA's), (9, 2612), (11, 2627), (12, 2654), (13, 2675), (19, 2834), (Start: 20 @2858 has 1 MA's), (21, 2891), (22, 2945), (24, 2978), (25, 3008), (26, 3011), (27, 3047), (28, 3071), (30, 3134), (31, 3140), (33, 3170), (34, 3188), (37, 3317), (38, 3320), (39, 3332), (40, 3341), (41, 3350), (45, 3431), (46, 3458), (49, 3578), (50, 3599), (52, 3623), (54, 3683), (56, 3779), (59, 3857),