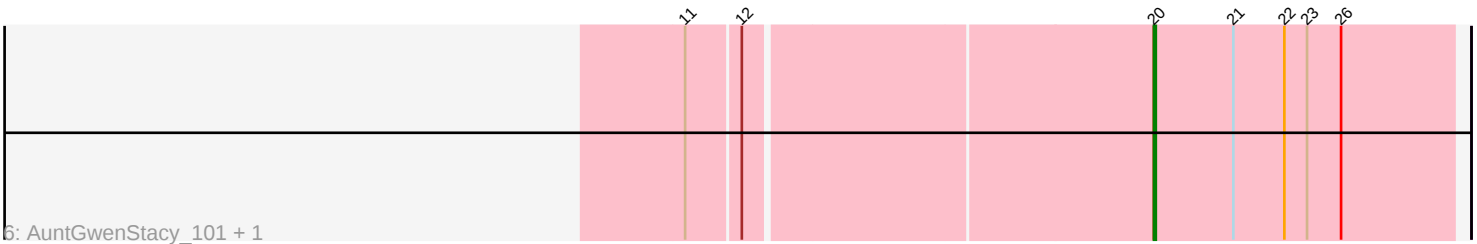
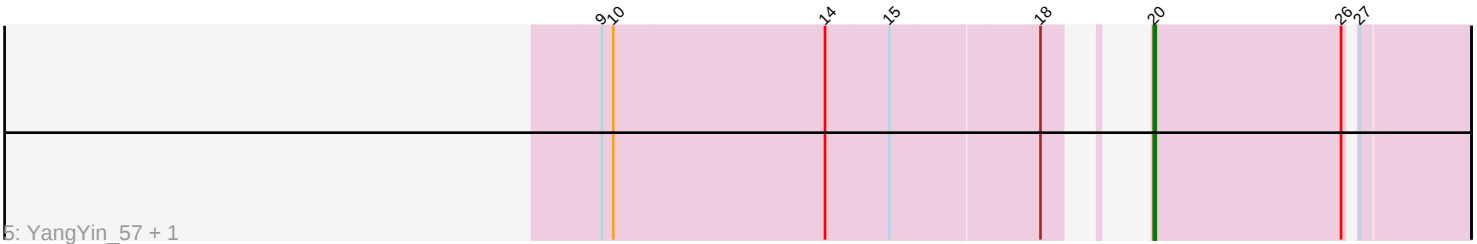
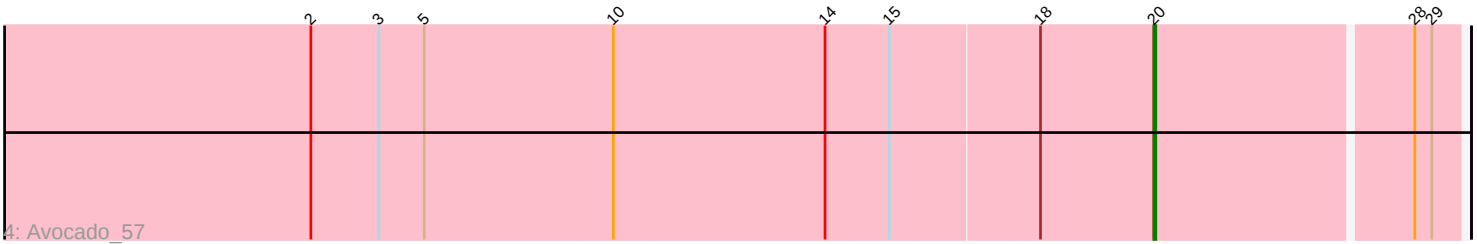
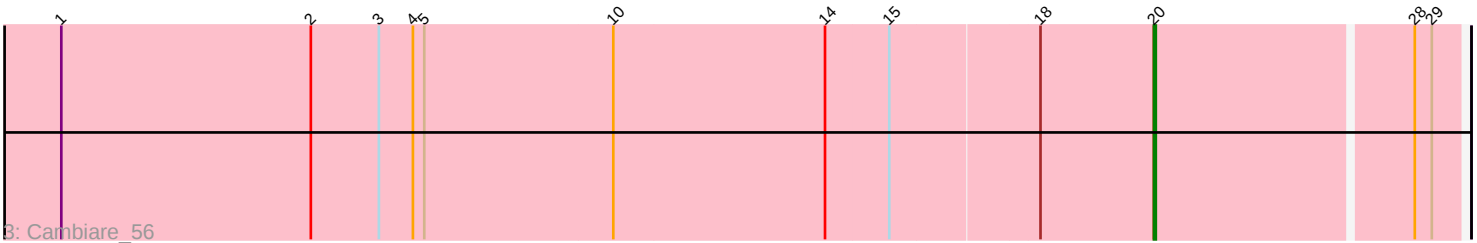
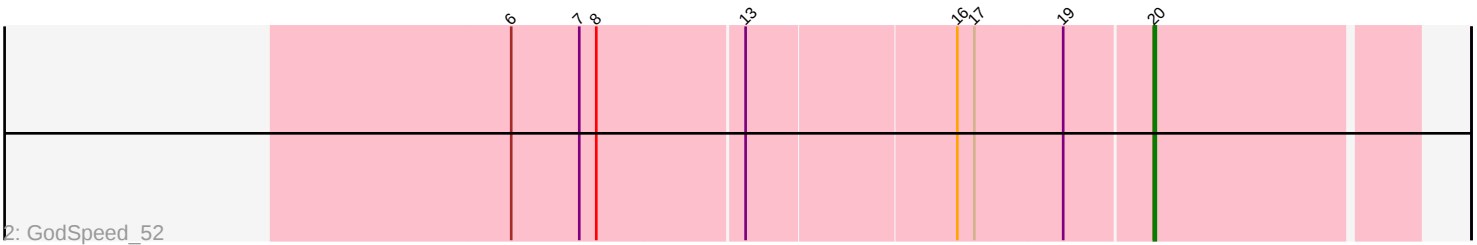
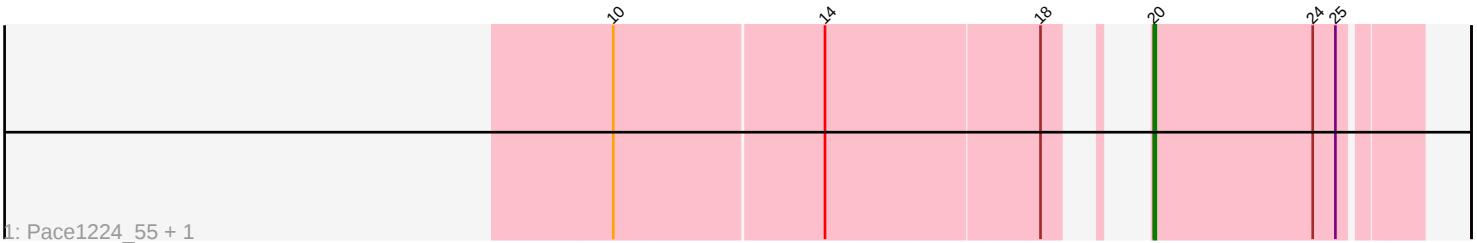


Pham 310063



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 310063 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310063 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Pace1224_55, FlagStaff_54
- Track 2 : GodSpeed_52
- Track 3 : Cambiare_56
- Track 4 : Avocado_57
- Track 5 : YangYin_57, Stargaze_56
- Track 6 : AuntGwenStacy_101, Typha_100

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

The start number called the most often in the published annotations is 20, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AuntGwenStacy_101, Avocado_57, Cambiare_56, FlagStaff_54, GodSpeed_52, Pace1224_55, Stargaze_56, Typha_100, YangYin_57,

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 20:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_101 (Y), Avocado_57 (G2), Cambiare_56 (G2), FlagStaff_54 (G2), GodSpeed_52 (G2), Pace1224_55 (G2), Stargaze_56 (G5), Typha_100 (Y), YangYin_57 (G5),

Summary by clusters:

There are 3 clusters represented in this pham: Y, G5, G2,

Info for manual annotations of cluster G2:

- Start number 20 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G5:

- Start number 20 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster Y:

- Start number 20 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_101 Start: 62988, Stop: 63146, Start Num: 20

Candidate Starts for AuntGwenStacy_101:

(11, 62805), (12, 62832), (Start: 20 @62988 has 8 MA's), (21, 63030), (22, 63057), (23, 63069), (26, 63087),

Gene: Avocado_57 Start: 41151, Stop: 41306, Start Num: 20

Candidate Starts for Avocado_57:

(2, 40713), (3, 40749), (5, 40773), (10, 40872), (14, 40983), (15, 41016), (18, 41091), (Start: 20 @41151 has 8 MA's), (28, 41283), (29, 41292),

Gene: Cambiare_56 Start: 40951, Stop: 41106, Start Num: 20

Candidate Starts for Cambiare_56:

(1, 40381), (2, 40513), (3, 40549), (4, 40567), (5, 40573), (10, 40672), (14, 40783), (15, 40816), (18, 40891), (Start: 20 @40951 has 8 MA's), (28, 41083), (29, 41092),

Gene: FlagStaff_54 Start: 39695, Stop: 39829, Start Num: 20

Candidate Starts for FlagStaff_54:

(10, 39464), (14, 39572), (18, 39680), (Start: 20 @39695 has 8 MA's), (24, 39779), (25, 39791),

Gene: GodSpeed_52 Start: 39079, Stop: 39213, Start Num: 20

Candidate Starts for GodSpeed_52:

(6, 38752), (7, 38788), (8, 38797), (13, 38872), (16, 38980), (17, 38989), (19, 39034), (Start: 20 @39079 has 8 MA's),

Gene: Pace1224_55 Start: 39724, Stop: 39858, Start Num: 20

Candidate Starts for Pace1224_55:

(10, 39493), (14, 39601), (18, 39709), (Start: 20 @39724 has 8 MA's), (24, 39808), (25, 39820),

Gene: Stargaze_56 Start: 40301, Stop: 40459, Start Num: 20

Candidate Starts for Stargaze_56:

(9, 40061), (10, 40067), (14, 40178), (15, 40211), (18, 40286), (Start: 20 @40301 has 8 MA's), (26, 40400), (27, 40403),

Gene: Typha_100 Start: 62989, Stop: 63147, Start Num: 20

Candidate Starts for Typha_100:

(11, 62806), (12, 62833), (Start: 20 @62989 has 8 MA's), (21, 63031), (22, 63058), (23, 63070), (26, 63088),

Gene: YangYin_57 Start: 40738, Stop: 40896, Start Num: 20

Candidate Starts for YangYin_57:

(9, 40498), (10, 40504), (14, 40615), (15, 40648), (18, 40723), (Start: 20 @40738 has 8 MA's), (26, 40837), (27, 40840),