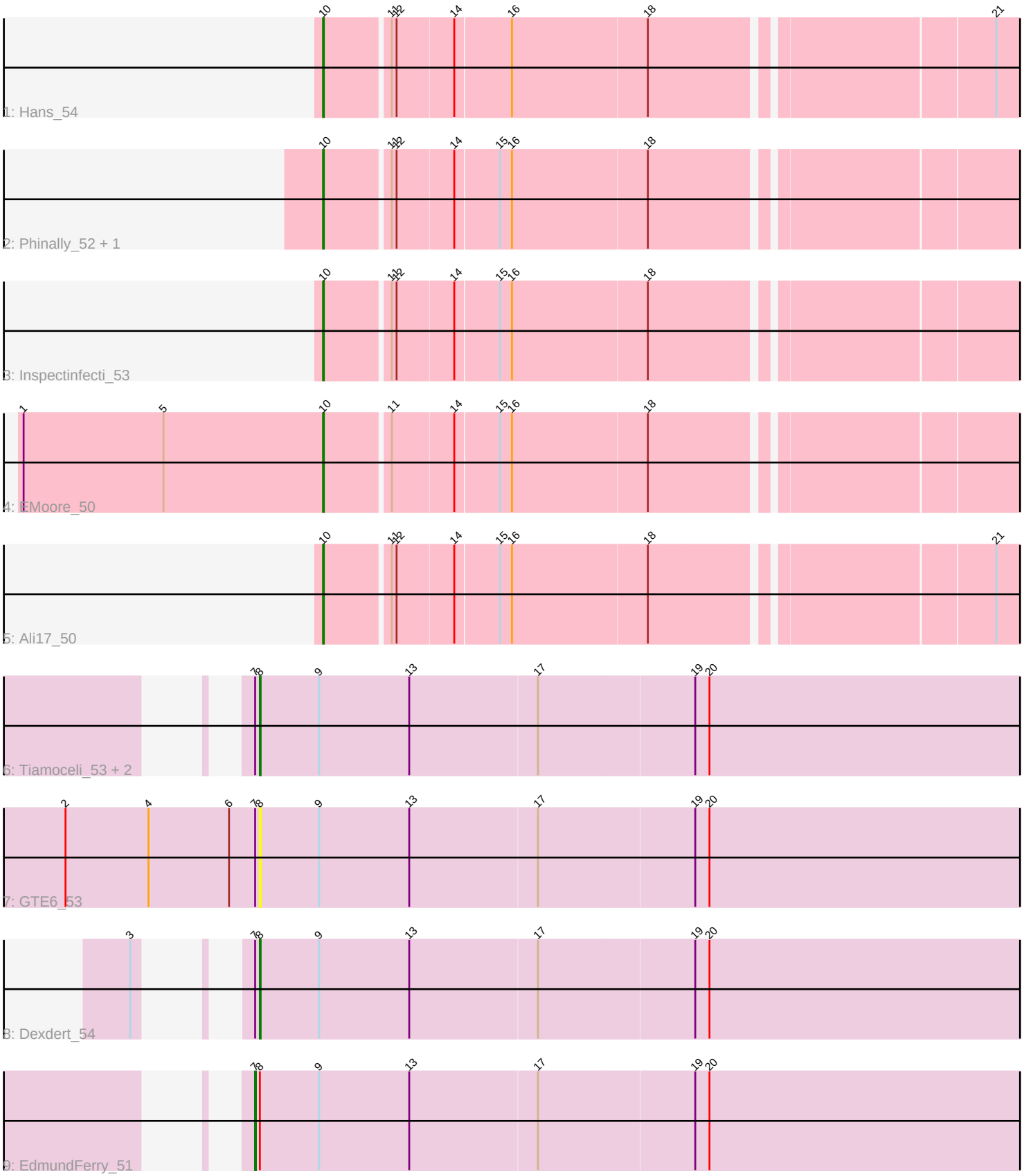
Pham 195847


1: Hans_54
2: Phinally_52 + 1
3: Inspectinfecti_53
4: EMoore_50
5: Ali17_50
6: Tiamoceli_53 + 2
7: GTE6_53
8: Dexdert_54
9: EdmundFerry_51

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 195847 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195847 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hans_54
• Track 2 : Phinally_52, Leonard_52
• Track 3 : Inspectinfecti_53
• Track 4 : EMoore_50
• Track 5 : Ali17_50
• Track 6 : Tiamoceli_53, RoadKill_50, Twonlo_50
• Track 7 : GTE6_53
• Track 8 : Dexdert_54
• Track 9 : EdmundFerry_51

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ali17_50, EMoore_50, Hans_54, Inspectinfecti_53, Leonard_52, Phinally_52,

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

Genes that do not have the "Most Annotated" start:
• Dexdert_54, EdmundFerry_51, GTE6_53, RoadKill_50, Tiamoceli_53, Twonlo_50,

Summary by start number:

Start 7:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 16.7% of time when present
• Phage (with cluster) where this start called: EdmundFerry_51 (DE3),

Start 8:
• Found in 6 of 12 (50.0%) of genes in pham

• Manual Annotations of this start: 4 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Dexdert_54 (DE3), GTE6_53 (DE3), RoadKill_50 (DE3), Tiamoceli_53 (DE3), Twonlo_50 (DE3),

Start 10:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ali17_50 (DE2), EMoore_50 (DE2), Hans_54 (DE2), Inspectinfecti_53 (DE2), Leonard_52 (DE2), Phinally_52 (DE2),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DE3,

Info for manual annotations of cluster DE2:
•Start number 10 was manually annotated 6 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 7 was manually annotated 1 time for cluster DE3.
•Start number 8 was manually annotated 4 times for cluster DE3.

Gene Information:

Gene: Ali17_50 Start: 43224, Stop: 44075, Start Num: 10
Candidate Starts for Ali17_50:
(Start: 10 @43224 has 6 MA's), (11, 43299), (12, 43305), (14, 43374), (15, 43428), (16, 43443), (18, 43611), (21, 44007),

Gene: Dexdert_54 Start: 41930, Stop: 42925, Start Num: 8
Candidate Starts for Dexdert_54:
(3, 41891), (Start: 7 @41924 has 1 MA's), (Start: 8 @41930 has 4 MA's), (9, 42005), (13, 42119), (17, 42278), (19, 42473), (20, 42491),

Gene: EMoore_50 Start: 44399, Stop: 45250, Start Num: 10
Candidate Starts for EMoore_50:
(1, 44021), (5, 44198), (Start: 10 @44399 has 6 MA's), (11, 44474), (14, 44549), (15, 44603), (16, 44618), (18, 44786),

Gene: EdmundFerry_51 Start: 41584, Stop: 42585, Start Num: 7
Candidate Starts for EdmundFerry_51:
(Start: 7 @41584 has 1 MA's), (Start: 8 @41590 has 4 MA's), (9, 41665), (13, 41779), (17, 41938), (19, 42133), (20, 42151),

Gene: GTE6_53 Start: 42181, Stop: 43176, Start Num: 8
Candidate Starts for GTE6_53:
(2, 41935), (4, 42040), (6, 42142), (Start: 7 @42175 has 1 MA's), (Start: 8 @42181 has 4 MA's), (9, 42256), (13, 42370), (17, 42529), (19, 42724), (20, 42742),

Gene: Hans_54 Start: 43864, Stop: 44715, Start Num: 10

Candidate Starts for Hans_54:
(Start: 10 @43864 has 6 MA's), (11, 43939), (12, 43945), (14, 44014), (16, 44083), (18, 44251), (21, 44647),

Gene: Inspectinfecti_53 Start: 44310, Stop: 45161, Start Num: 10
Candidate Starts for Inspectinfecti_53:
(Start: 10 @44310 has 6 MA's), (11, 44385), (12, 44391), (14, 44460), (15, 44514), (16, 44529), (18, 44697),

Gene: Leonard_52 Start: 43949, Stop: 44800, Start Num: 10
Candidate Starts for Leonard_52:
(Start: 10 @43949 has 6 MA's), (11, 44024), (12, 44030), (14, 44099), (15, 44153), (16, 44168), (18, 44336),

Gene: Phinally_52 Start: 43946, Stop: 44797, Start Num: 10
Candidate Starts for Phinally_52:
(Start: 10 @43946 has 6 MA's), (11, 44021), (12, 44027), (14, 44096), (15, 44150), (16, 44165), (18, 44333),

Gene: RoadKill_50 Start: 41088, Stop: 42083, Start Num: 8
Candidate Starts for RoadKill_50:
(Start: 7 @41082 has 1 MA's), (Start: 8 @41088 has 4 MA's), (9, 41163), (13, 41277), (17, 41436), (19, 41631), (20, 41649),

Gene: Tiamoceli_53 Start: 42379, Stop: 43374, Start Num: 8
Candidate Starts for Tiamoceli_53:
(Start: 7 @42373 has 1 MA's), (Start: 8 @42379 has 4 MA's), (9, 42454), (13, 42568), (17, 42727), (19, 42922), (20, 42940),

Gene: Twonlo_50 Start: 41009, Stop: 42004, Start Num: 8
Candidate Starts for Twonlo_50:
(Start: 7 @41003 has 1 MA's), (Start: 8 @41009 has 4 MA's), (9, 41084), (13, 41198), (17, 41357), (19, 41552), (20, 41570),