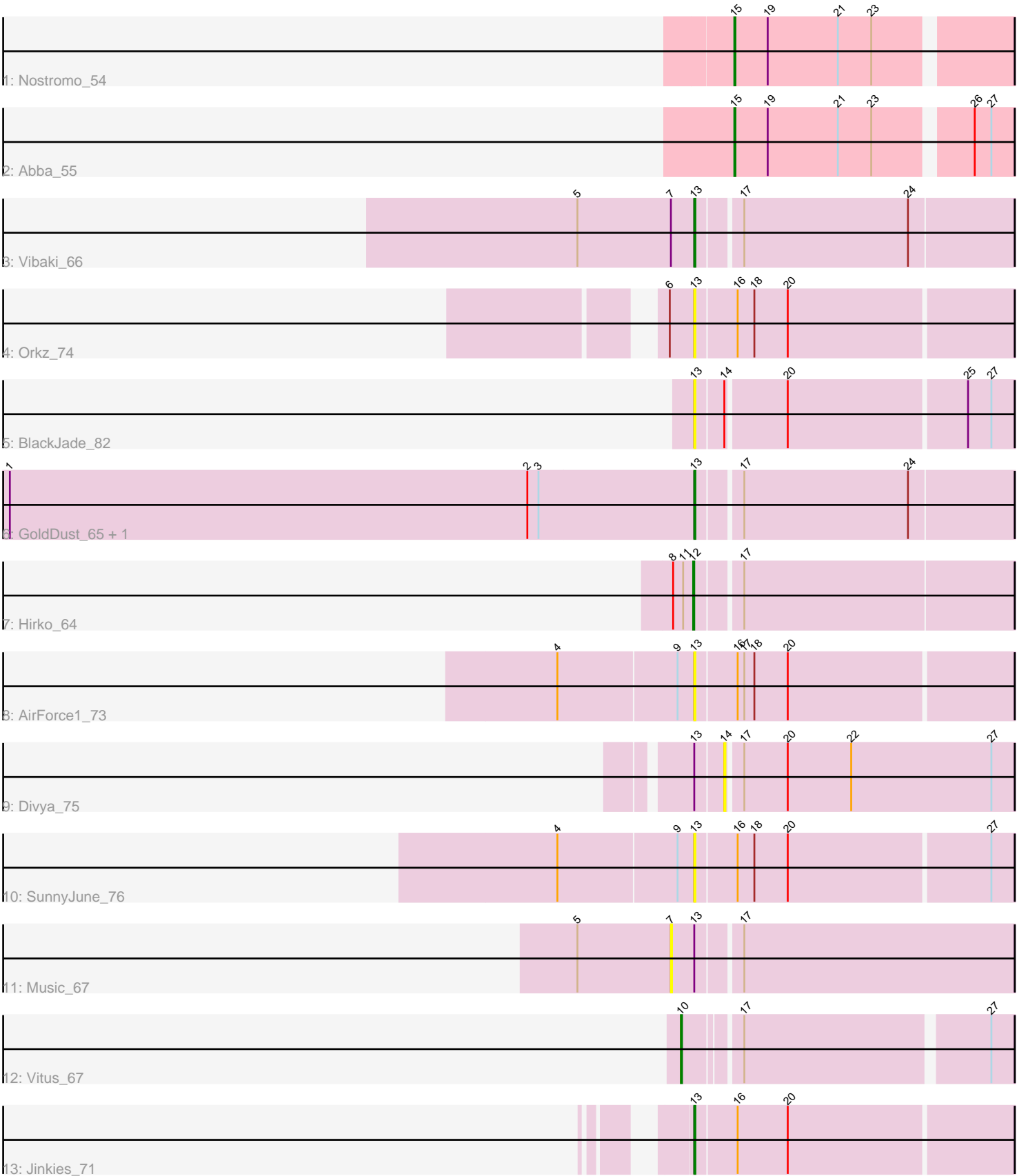# Pham 272273

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 272273 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272273 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Nostromo_54
• Track 2 : Abba_55
• Track 3 : Vibaki_66
• Track 4 : Orkz_74
• Track 5 : BlackJade_82
• Track 6 : GoldDust_65, Gooberta_65
• Track 7 : Hirko_64
• Track 8 : AirForce1_73
• Track 9 : Divya_75
• Track 10 : SunnyJune_76
• Track 11 : Music_67
• Track 12 : Vitus_67
• Track 13 : Jinkies_71

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AirForce1_73, BlackJade_82, GoldDust_65, Gooberta_65, Jinkies_71, Orkz_74, SunnyJune_76, Vibaki_66,

Genes that have the "Most Annotated" start but do not call it:
• Divya_75, Music_67,

Genes that do not have the "Most Annotated" start:
• Abba_55, Hirko_64, Nostromo_54, Vitus_67,

Summary by start number:

Start 7:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Music_67 (FL),

Start 10:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vitus_67 (FL),

Start 12:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hirko_64 (FL),

Start 13:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 80.0% of time when present
• Phage (with cluster) where this start called: AirForce1_73 (FL), BlackJade_82 (FL), GoldDust_65 (FL), Gooberta_65 (FL), Jinkies_71 (FL), Orkz_74 (FL), SunnyJune_76 (FL), Vibaki_66 (FL),

Start 14:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Divya_75 (FL),

Start 15:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_55 (AO3), Nostromo_54 (AO3),

Summary by clusters:

There are 2 clusters represented in this pham: AO3, FL,

Info for manual annotations of cluster AO3:
•Start number 15 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster FL:
•Start number 10 was manually annotated 1 time for cluster FL.
•Start number 12 was manually annotated 1 time for cluster FL.
•Start number 13 was manually annotated 3 times for cluster FL.

Gene Information:
Gene: Abba_55 Start: 37377, Stop: 37613, Start Num: 15
Candidate Starts for Abba_55:

(Start: 15 @37377 has 2 MA's), (19, 37407), (21, 37470), (23, 37500), (26, 37578), (27, 37593),

Gene: AirForce1_73 Start: 43136, Stop: 43414, Start Num: 13
Candidate Starts for AirForce1_73:
(4, 43016), (9, 43121), (Start: 13 @43136 has 3 MA's), (16, 43172), (17, 43178), (18, 43187), (20, 43217),

Gene: BlackJade_82 Start: 44256, Stop: 44528, Start Num: 13
Candidate Starts for BlackJade_82:
(Start: 13 @44256 has 3 MA's), (14, 44280), (20, 44331), (25, 44487), (27, 44508),

Gene: Divya_75 Start: 43372, Stop: 43626, Start Num: 14
Candidate Starts for Divya_75:
(Start: 13 @43348 has 3 MA's), (14, 43372), (17, 43384), (20, 43423), (22, 43480), (27, 43606),

Gene: GoldDust_65 Start: 43081, Stop: 43356, Start Num: 13
Candidate Starts for GoldDust_65:
(1, 42469), (2, 42934), (3, 42943), (Start: 13 @43081 has 3 MA's), (17, 43117), (24, 43264),

Gene: Gooberta_65 Start: 43701, Stop: 43976, Start Num: 13
Candidate Starts for Gooberta_65:
(1, 43089), (2, 43554), (3, 43563), (Start: 13 @43701 has 3 MA's), (17, 43737), (24, 43884),

Gene: Hirko_64 Start: 42841, Stop: 43116, Start Num: 12
Candidate Starts for Hirko_64:
(8, 42823), (11, 42832), (Start: 12 @42841 has 1 MA's), (17, 42877),

Gene: Jinkies_71 Start: 43799, Stop: 44077, Start Num: 13
Candidate Starts for Jinkies_71:
(Start: 13 @43799 has 3 MA's), (16, 43835), (20, 43880),

Gene: Music_67 Start: 43320, Stop: 43619, Start Num: 7
Candidate Starts for Music_67:
(5, 43236), (7, 43320), (Start: 13 @43341 has 3 MA's), (17, 43377),

Gene: Nostromo_54 Start: 38405, Stop: 38641, Start Num: 15
Candidate Starts for Nostromo_54:
(Start: 15 @38405 has 2 MA's), (19, 38435), (21, 38498), (23, 38528),

Gene: Orkz_74 Start: 41657, Stop: 41935, Start Num: 13
Candidate Starts for Orkz_74:
(6, 41636), (Start: 13 @41657 has 3 MA's), (16, 41693), (18, 41708), (20, 41738),

Gene: SunnyJune_76 Start: 43573, Stop: 43851, Start Num: 13
Candidate Starts for SunnyJune_76:
(4, 43453), (9, 43558), (Start: 13 @43573 has 3 MA's), (16, 43609), (18, 43624), (20, 43654), (27, 43831),

Gene: Vibaki_66 Start: 42903, Stop: 43178, Start Num: 13
Candidate Starts for Vibaki_66:
(5, 42798), (7, 42882), (Start: 13 @42903 has 3 MA's), (17, 42939), (24, 43086),

Gene: Vitus_67 Start: 42256, Stop: 42531, Start Num: 10

Candidate Starts for Vitus_67:
(Start: 10 @42256 has 1 MA's), (17, 42301), (27, 42511),