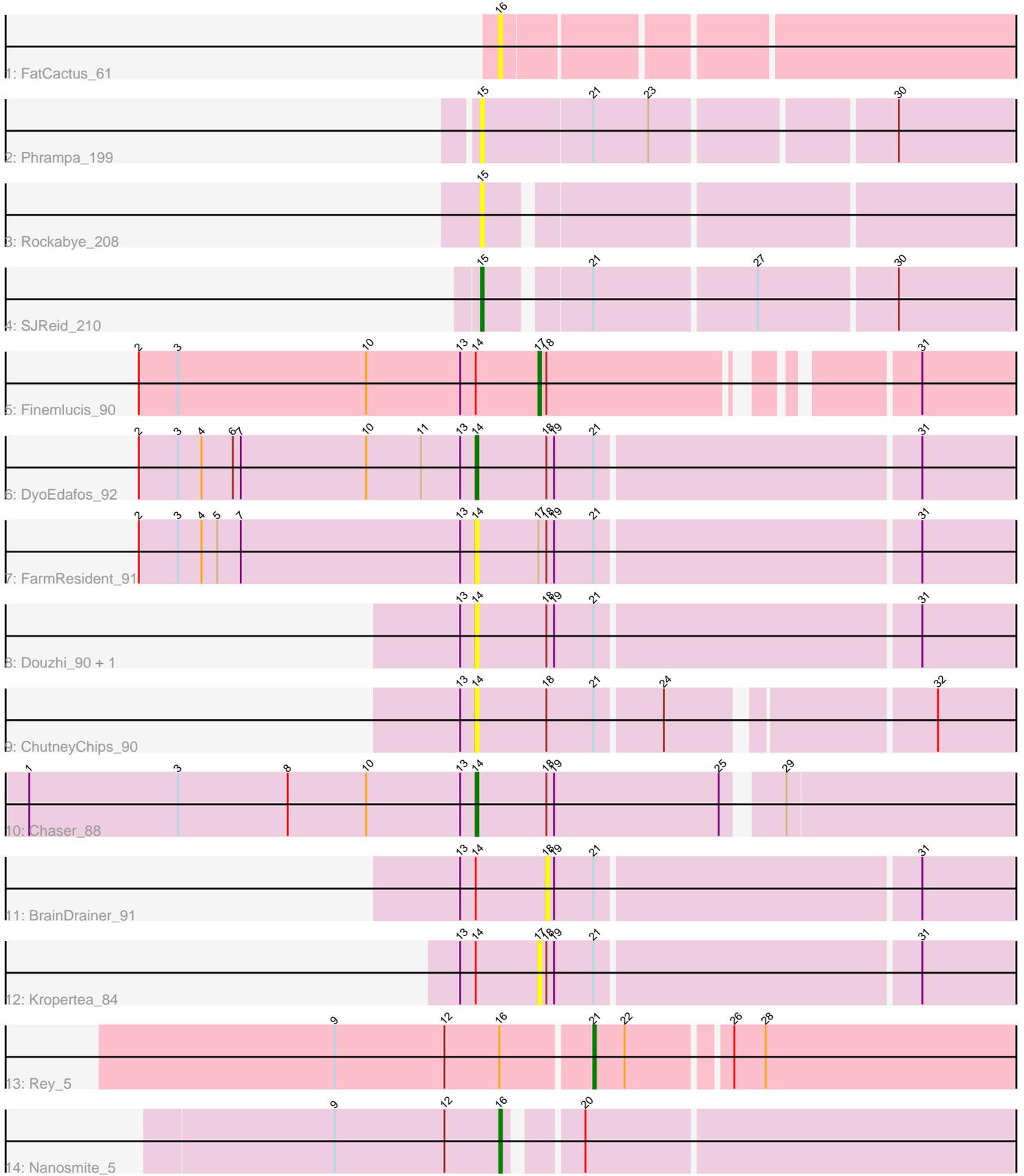# Pham 284288

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 284288 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284288 has 15 members, 9 are drafts.

Phages represented in each track:
• Track 1 : FatCactus_61
• Track 2 : Phrampa_199
• Track 3 : Rockabye_208
• Track 4 : SJReid_210
• Track 5 : Finemlucis_90
• Track 6 : DyoEdafos_92
• Track 7 : FarmResident_91
• Track 8 : Douzhi_90, Sheng711_91
• Track 9 : ChutneyChips_90
• Track 10 : Chaser_88
• Track 11 : BrainDrainer_91
• Track 12 : Kropertea_84
• Track 13 : Rey_5
• Track 14 : Nanosmite_5

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

The start number called the most often in the published annotations is 14, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chaser_88, ChutneyChips_90, Douzhi_90, DyoEdafos_92, FarmResident_91, Sheng711_91,

Genes that have the "Most Annotated" start but do not call it:
• BrainDrainer_91, Finemlucis_90, Kropertea_84,

Genes that do not have the "Most Annotated" start:
• FatCactus_61, Nanosmite_5, Phrampa_199, Rey_5, Rockabye_208, SJReid_210,

Summary by start number:

Start 14:
• Found in 9 of 15 (60.0%) of genes in pham

• Manual Annotations of this start: 2 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Chaser_88 (L4), ChutneyChips_90 (L4), Douzhi_90 (L4), DyoEdafos_92 (L4), FarmResident_91 (L4), Sheng711_91 (L4),

Start 15:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrampa_199 (FC), Rockabye_208 (FC), SJReid_210 (FC),

Start 16:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: FatCactus_61 (A20), Nanosmite_5 (M3),

Start 17:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Finemlucis_90 (L2), Kropertea_84 (L4),

Start 18:
• Found in 9 of 15 (60.0%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: BrainDrainer_91 (L4),

Start 21:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Rey_5 (M2),

Summary by clusters:

There are 6 clusters represented in this pham: A20, L4, FC, L2, M3, M2,

Info for manual annotations of cluster FC:
•Start number 15 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster L2:
•Start number 17 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:
•Start number 14 was manually annotated 2 times for cluster L4.

Info for manual annotations of cluster M2:
•Start number 21 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:
•Start number 16 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: BrainDrainer_91 Start: 57339, Stop: 57524, Start Num: 18
Candidate Starts for BrainDrainer_91:
(13, 57306), (Start: 14 @57312 has 2 MA's), (18, 57339), (19, 57342), (Start: 21 @57357 has 1 MA's), (31, 57477),

Gene: Chaser_88 Start: 56443, Stop: 56652, Start Num: 14
Candidate Starts for Chaser_88:
(1, 56272), (3, 56329), (8, 56371), (10, 56401), (13, 56437), (Start: 14 @56443 has 2 MA's), (18, 56470), (19, 56473), (25, 56536), (29, 56554),

Gene: ChutneyChips_90 Start: 57198, Stop: 57401, Start Num: 14
Candidate Starts for ChutneyChips_90:
(13, 57192), (Start: 14 @57198 has 2 MA's), (18, 57225), (Start: 21 @57243 has 1 MA's), (24, 57267), (32, 57360),

Gene: Douzhi_90 Start: 57001, Stop: 57213, Start Num: 14
Candidate Starts for Douzhi_90:
(13, 56995), (Start: 14 @57001 has 2 MA's), (18, 57028), (19, 57031), (Start: 21 @57046 has 1 MA's), (31, 57166),

Gene: DyoEdafos_92 Start: 57153, Stop: 57365, Start Num: 14
Candidate Starts for DyoEdafos_92:
(2, 57024), (3, 57039), (4, 57048), (6, 57060), (7, 57063), (10, 57111), (11, 57132), (13, 57147), (Start: 14 @57153 has 2 MA's), (18, 57180), (19, 57183), (Start: 21 @57198 has 1 MA's), (31, 57318),

Gene: FarmResident_91 Start: 56713, Stop: 56925, Start Num: 14
Candidate Starts for FarmResident_91:
(2, 56584), (3, 56599), (4, 56608), (5, 56614), (7, 56623), (13, 56707), (Start: 14 @56713 has 2 MA's), (Start: 17 @56737 has 1 MA's), (18, 56740), (19, 56743), (Start: 21 @56758 has 1 MA's), (31, 56878),

Gene: FatCactus_61 Start: 39939, Stop: 39736, Start Num: 16
Candidate Starts for FatCactus_61:
(Start: 16 @39939 has 1 MA's),

Gene: Finemlucis_90 Start: 58613, Stop: 58783, Start Num: 17
Candidate Starts for Finemlucis_90:
(2, 58460), (3, 58475), (10, 58547), (13, 58583), (Start: 14 @58589 has 2 MA's), (Start: 17 @58613 has 1 MA's), (18, 58616), (31, 58736),

Gene: Kropertea_84 Start: 56457, Stop: 56645, Start Num: 17
Candidate Starts for Kropertea_84:
(13, 56427), (Start: 14 @56433 has 2 MA's), (Start: 17 @56457 has 1 MA's), (18, 56460), (19, 56463), (Start: 21 @56478 has 1 MA's), (31, 56598),

Gene: Nanosmite_5 Start: 2451, Stop: 2248, Start Num: 16
Candidate Starts for Nanosmite_5:

(9, 2514), (12, 2472), (Start: 16 @2451 has 1 MA's), (20, 2427),

Gene: Phrampa_199 Start: 141698, Stop: 141910, Start Num: 15
Candidate Starts for Phrampa_199:
(Start: 15 @141698 has 1 MA's), (Start: 21 @141740 has 1 MA's), (23, 141761), (30, 141848),

Gene: Rey_5 Start: 2370, Stop: 2203, Start Num: 21
Candidate Starts for Rey_5:
(9, 2466), (12, 2424), (Start: 16 @2403 has 1 MA's), (Start: 21 @2370 has 1 MA's), (22, 2358), (26, 2322), (28, 2310),

Gene: Rockabye_208 Start: 136558, Stop: 136761, Start Num: 15
Candidate Starts for Rockabye_208:
(Start: 15 @136558 has 1 MA's),

Gene: SJReid_210 Start: 135453, Stop: 135656, Start Num: 15
Candidate Starts for SJReid_210:
(Start: 15 @135453 has 1 MA's), (Start: 21 @135489 has 1 MA's), (27, 135549), (30, 135600),

Gene: Sheng711_91 Start: 57040, Stop: 57252, Start Num: 14
Candidate Starts for Sheng711_91:
(13, 57034), (Start: 14 @57040 has 2 MA's), (18, 57067), (19, 57070), (Start: 21 @57085 has 1 MA's), (31, 57205),