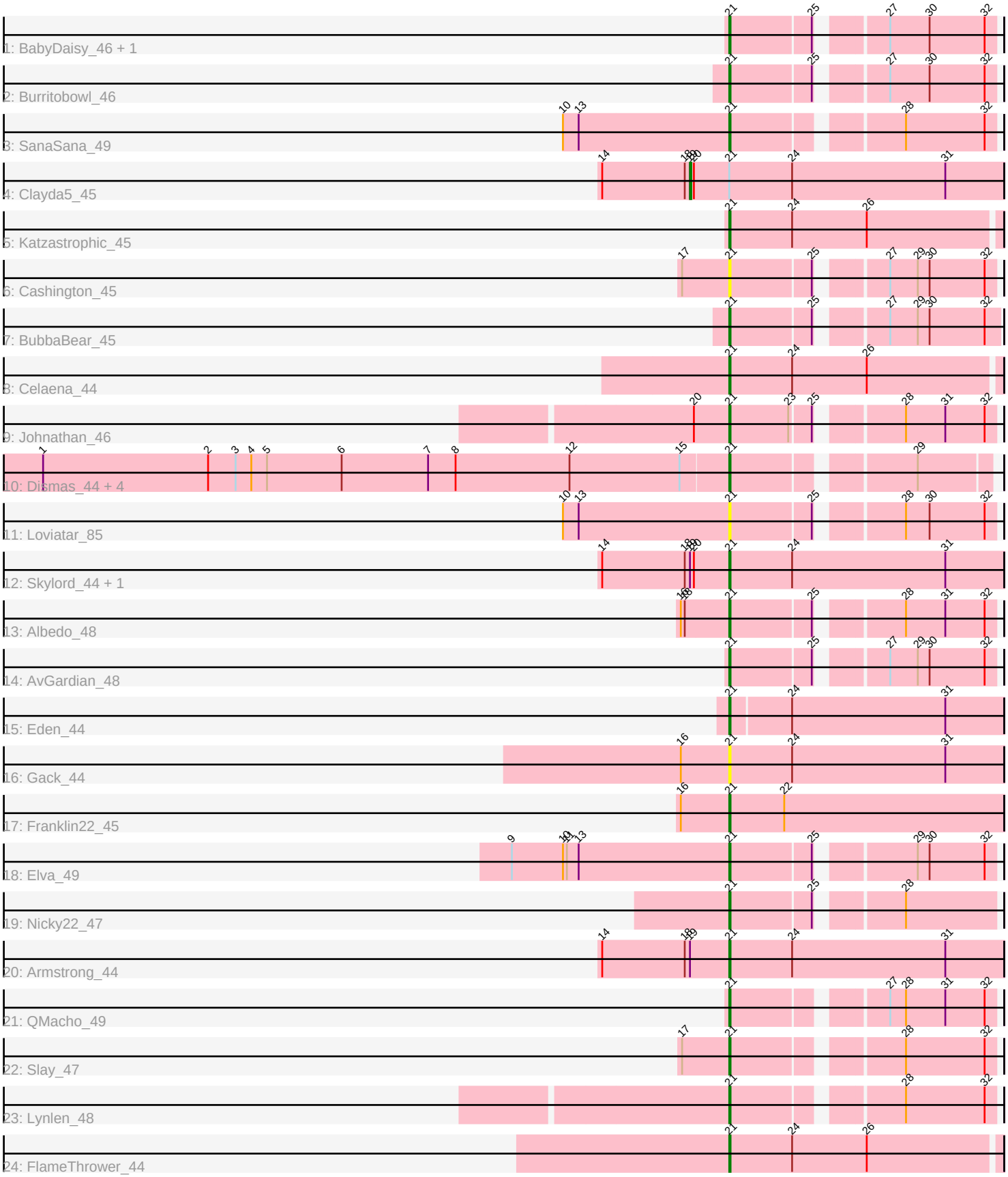
Pham 132284


1: BabyDaisy_46 + 1
2: Burritobowl_46
3: SanaSana_49
4: Clayda5_45
5: Katzastrophic_45
6: Cashington_45
7: BubbaBear_45
8: Celaena_44
9: Johnathan_46
10: Dismas_44 + 4
11: Loviatar_85
12: Skylord_44 + 1
13: Albedo_48
14: AvGardian_48
15: Eden_44
16: Gack_44
17: Franklin22_45
18: Elva_49
19: Nicky22_47
20: Armstrong_44
21: QMacho_49
22: Slay_47
23: Lynlen_48
24: FlameThrower_44

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 132284 Report

This analysis was run 04/28/24 on database version 559.

Pham number 132284 has 30 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BabyDaisy_46, Didgeridoo_49
• Track 2 : Burritobowl_46
• Track 3 : SanaSana_49
• Track 4 : Clayda5_45
• Track 5 : Katzastrophic_45
• Track 6 : Cashington_45
• Track 7 : BubbaBear_45
• Track 8 : Celaena_44
• Track 9 : Johnathan_46
• Track 10 : Dismas_44, Rona_44, Kieran_44, ChiliPepper_44, Sharkboy_45
• Track 11 : Loviatar_85
• Track 12 : Skylord_44, Vitas_44
• Track 13 : Albedo_48
• Track 14 : AvGardian_48
• Track 15 : Eden_44
• Track 16 : Gack_44
• Track 17 : Franklin22_45
• Track 18 : Elva_49
• Track 19 : Nicky22_47
• Track 20 : Armstrong_44
• Track 21 : QMacho_49
• Track 22 : Slay_47
• Track 23 : Lynlen_48
• Track 24 : FlameThrower_44

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

The start number called the most often in the published annotations is 21, it was called in 26 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Albedo_48, Armstrong_44, AvGardian_48, BabyDaisy_46, BubbaBear_45, Burritobowl_46, Cashington_45, Celaena_44, ChiliPepper_44, Didgeridoo_49, Dismas_44, Eden_44, Elva_49, FlameThrower_44, Franklin22_45, Gack_44,

Johnathan_46, Katzastrophic_45, Kieran_44, Loviatar_85, Lynlen_48, Nicky22_47, QMacho_49, Rona_44, SanaSana_49, Sharkboy_45, Skylord_44, Slay_47, Vitas_44,

Genes that have the "Most Annotated" start but do not call it:
• Clayda5_45,

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

Summary by start number:

Start 19:
• Found in 4 of 30 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Clayda5_45 (EB),

Start 21:
• Found in 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 26 of 27
• Called 96.7% of time when present
• Phage (with cluster) where this start called: Albedo_48 (EB), Armstrong_44 (EB), AvGardian_48 (EB), BabyDaisy_46 (EB), BubbaBear_45 (EB), Burritobowl_46 (EB), Cashington_45 (EB), Celaena_44 (EB), ChiliPepper_44 (EB), Didgeridoo_49 (EB), Dismas_44 (EB), Eden_44 (EB), Elva_49 (EB), FlameThrower_44 (EB), Franklin22_45 (EB), Gack_44 (EB), Johnathan_46 (EB), Katzastrophic_45 (EB), Kieran_44 (EB), Loviatar_85 (EB), Lynlen_48 (EB), Nicky22_47 (EB), QMacho_49 (EB), Rona_44 (EB), SanaSana_49 (EB), Sharkboy_45 (EB), Skylord_44 (EB), Slay_47 (EB), Vitas_44 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 19 was manually annotated 1 time for cluster EB.
•Start number 21 was manually annotated 26 times for cluster EB.

Gene Information:

Gene: Albedo_48 Start: 33380, Stop: 33198, Start Num: 21
Candidate Starts for Albedo_48:
(16, 33416), (18, 33413), (Start: 21 @33380 has 26 MA's), (25, 33320), (28, 33266), (31, 33236), (32, 33206),

Gene: Armstrong_44 Start: 30727, Stop: 30518, Start Num: 21
Candidate Starts for Armstrong_44:
(14, 30823), (18, 30760), (Start: 19 @30757 has 1 MA's), (Start: 21 @30727 has 26 MA's), (24, 30679), (31, 30562),

Gene: AvGardian_48 Start: 33183, Stop: 33001, Start Num: 21

Candidate Starts for AvGardian_48:
(Start: 21 @33183 has 26 MA's), (25, 33123), (27, 33081), (29, 33060), (30, 33051), (32, 33009),

Gene: BabyDaisy_46 Start: 33130, Stop: 32948, Start Num: 21
Candidate Starts for BabyDaisy_46:
(Start: 21 @33130 has 26 MA's), (25, 33070), (27, 33028), (30, 32998), (32, 32956),

Gene: BubbaBear_45 Start: 32752, Stop: 32567, Start Num: 21
Candidate Starts for BubbaBear_45:
(Start: 21 @32752 has 26 MA's), (25, 32692), (27, 32650), (29, 32629), (30, 32620), (32, 32578),

Gene: Burritobowl_46 Start: 32750, Stop: 32568, Start Num: 21
Candidate Starts for Burritobowl_46:
(Start: 21 @32750 has 26 MA's), (25, 32690), (27, 32648), (30, 32618), (32, 32576),

Gene: Cashington_45 Start: 32350, Stop: 32168, Start Num: 21
Candidate Starts for Cashington_45:
(17, 32386), (Start: 21 @32350 has 26 MA's), (25, 32290), (27, 32248), (29, 32227), (30, 32218), (32, 32176),

Gene: Celaena_44 Start: 33627, Stop: 33424, Start Num: 21
Candidate Starts for Celaena_44:
(Start: 21 @33627 has 26 MA's), (24, 33579), (26, 33522),

Gene: ChiliPepper_44 Start: 33230, Stop: 33054, Start Num: 21
Candidate Starts for ChiliPepper_44:
(1, 33752), (2, 33626), (3, 33605), (4, 33593), (5, 33581), (6, 33524), (7, 33458), (8, 33437), (12, 33350), (15, 33266), (Start: 21 @33230 has 26 MA's), (29, 33107),

Gene: Clayda5_45 Start: 30746, Stop: 30507, Start Num: 19
Candidate Starts for Clayda5_45:
(14, 30812), (18, 30749), (Start: 19 @30746 has 1 MA's), (20, 30743), (Start: 21 @30716 has 26 MA's), (24, 30668), (31, 30551),

Gene: Didgeridoo_49 Start: 33476, Stop: 33294, Start Num: 21
Candidate Starts for Didgeridoo_49:
(Start: 21 @33476 has 26 MA's), (25, 33416), (27, 33374), (30, 33344), (32, 33302),

Gene: Dismas_44 Start: 33183, Stop: 33007, Start Num: 21
Candidate Starts for Dismas_44:
(1, 33705), (2, 33579), (3, 33558), (4, 33546), (5, 33534), (6, 33477), (7, 33411), (8, 33390), (12, 33303), (15, 33219), (Start: 21 @33183 has 26 MA's), (29, 33060),

Gene: Eden_44 Start: 31453, Stop: 31247, Start Num: 21
Candidate Starts for Eden_44:
(Start: 21 @31453 has 26 MA's), (24, 31408), (31, 31291),

Gene: Elva_49 Start: 34022, Stop: 33840, Start Num: 21
Candidate Starts for Elva_49:
(9, 34187), (10, 34148), (11, 34145), (13, 34136), (Start: 21 @34022 has 26 MA's), (25, 33962), (29, 33899), (30, 33890), (32, 33848),

Gene: FlameThrower_44 Start: 33076, Stop: 32873, Start Num: 21

Candidate Starts for FlameThrower_44:
(Start: 21 @33076 has 26 MA's), (24, 33028), (26, 32971),

Gene: Franklin22_45 Start: 31328, Stop: 31119, Start Num: 21
Candidate Starts for Franklin22_45:
(16, 31364), (Start: 21 @31328 has 26 MA's), (22, 31286),

Gene: Gack_44 Start: 31375, Stop: 31166, Start Num: 21
Candidate Starts for Gack_44:
(16, 31411), (Start: 21 @31375 has 26 MA's), (24, 31327), (31, 31210),

Gene: Johnathan_46 Start: 32375, Stop: 32193, Start Num: 21
Candidate Starts for Johnathan_46:
(20, 32402), (Start: 21 @32375 has 26 MA's), (23, 32330), (25, 32315), (28, 32261), (31, 32231), (32, 32201),

Gene: Katzastrophic_45 Start: 33206, Stop: 33003, Start Num: 21
Candidate Starts for Katzastrophic_45:
(Start: 21 @33206 has 26 MA's), (24, 33158), (26, 33101),

Gene: Kieran_44 Start: 33191, Stop: 33015, Start Num: 21
Candidate Starts for Kieran_44:
(1, 33713), (2, 33587), (3, 33566), (4, 33554), (5, 33542), (6, 33485), (7, 33419), (8, 33398), (12, 33311), (15, 33227), (Start: 21 @33191 has 26 MA's), (29, 33068),

Gene: Loviatar_85 Start: 35018, Stop: 34836, Start Num: 21
Candidate Starts for Loviatar_85:
(10, 35144), (13, 35132), (Start: 21 @35018 has 26 MA's), (25, 34958), (28, 34904), (30, 34886), (32, 34844),

Gene: Lynlen_48 Start: 33130, Stop: 32948, Start Num: 21
Candidate Starts for Lynlen_48:
(Start: 21 @33130 has 26 MA's), (28, 33016), (32, 32956),

Gene: Nicky22_47 Start: 33304, Stop: 33122, Start Num: 21
Candidate Starts for Nicky22_47:
(Start: 21 @33304 has 26 MA's), (25, 33244), (28, 33190),

Gene: QMacho_49 Start: 33539, Stop: 33357, Start Num: 21
Candidate Starts for QMacho_49:
(Start: 21 @33539 has 26 MA's), (27, 33437), (28, 33425), (31, 33395), (32, 33365),

Gene: Rona_44 Start: 33174, Stop: 32998, Start Num: 21
Candidate Starts for Rona_44:
(1, 33696), (2, 33570), (3, 33549), (4, 33537), (5, 33525), (6, 33468), (7, 33402), (8, 33381), (12, 33294), (15, 33210), (Start: 21 @33174 has 26 MA's), (29, 33051),

Gene: SanaSana_49 Start: 34406, Stop: 34224, Start Num: 21
Candidate Starts for SanaSana_49:
(10, 34532), (13, 34520), (Start: 21 @34406 has 26 MA's), (28, 34292), (32, 34232),

Gene: Sharkboy_45 Start: 33273, Stop: 33097, Start Num: 21
Candidate Starts for Sharkboy_45:

(1, 33795), (2, 33669), (3, 33648), (4, 33636), (5, 33624), (6, 33567), (7, 33501), (8, 33480), (12, 33393), (15, 33309), (Start: 21 @33273 has 26 MA's), (29, 33150),

Gene: Skylord_44 Start: 30740, Stop: 30531, Start Num: 21
Candidate Starts for Skylord_44:
(14, 30836), (18, 30773), (Start: 19 @30770 has 1 MA's), (20, 30767), (Start: 21 @30740 has 26 MA's), (24, 30692), (31, 30575),

Gene: Slay_47 Start: 33277, Stop: 33095, Start Num: 21
Candidate Starts for Slay_47:
(17, 33313), (Start: 21 @33277 has 26 MA's), (28, 33163), (32, 33103),

Gene: Vitas_44 Start: 30722, Stop: 30513, Start Num: 21
Candidate Starts for Vitas_44:
(14, 30818), (18, 30755), (Start: 19 @30752 has 1 MA's), (20, 30749), (Start: 21 @30722 has 26 MA's), (24, 30674), (31, 30557),