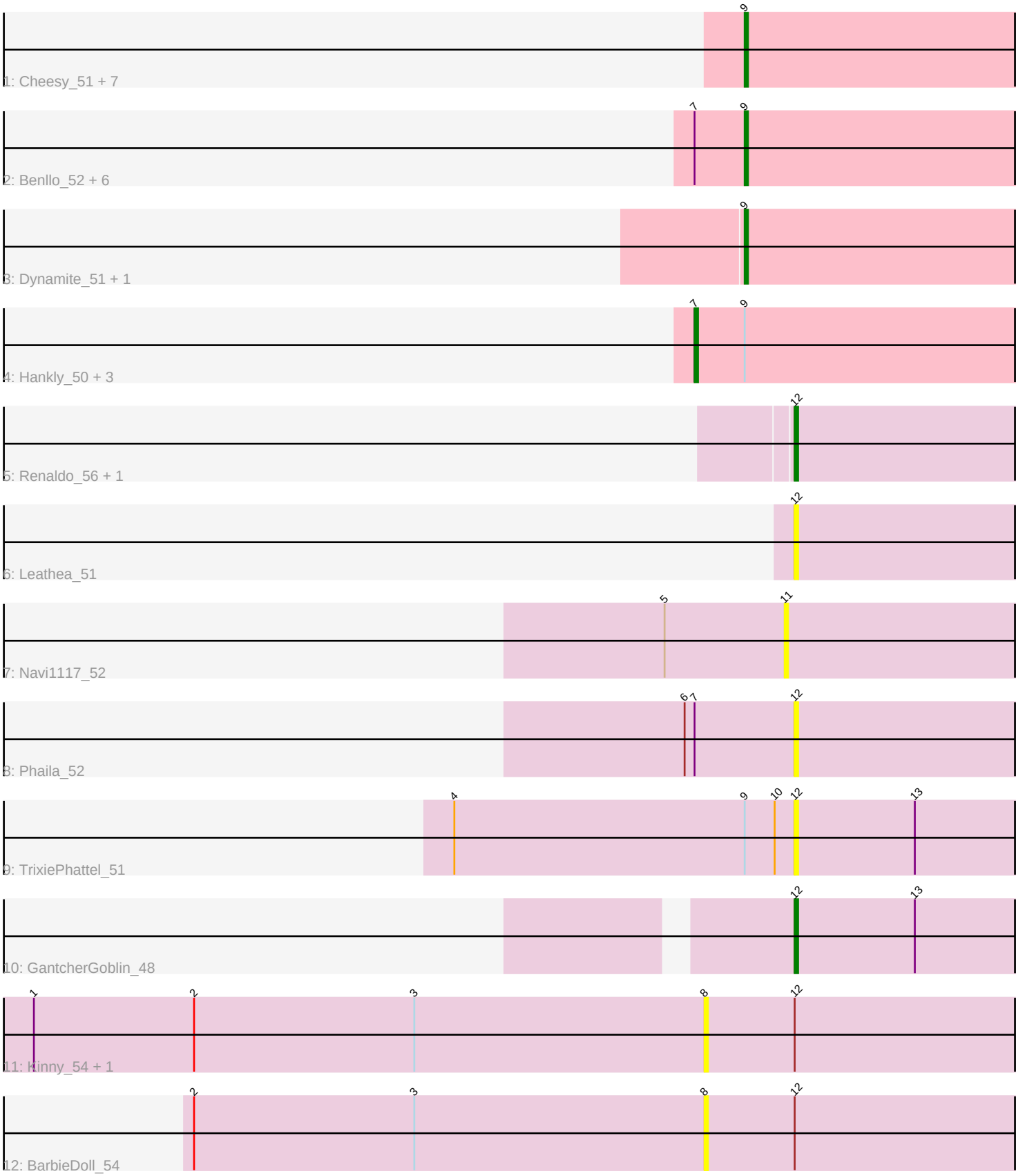
Pham 214513


9
1: Cheesy_51 + 7
7
9
2: Benllo_52 + 6
9
3: Dynamite_51 + 1
7
9
4: Hankly_50 + 3
12
5: Renaldo_56 + 1
12
6: Leathea_51
5
11
7: Navi1117_52
6
7
12
8: Phaila_52
4
9
10
12
13
9: TrixiePhattel_51
12
13
10: GantcherGoblin_48
1
2
3
8
12
11: Kinny_54 + 1
2
3
8
12
12: BarbieDoll_54

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 214513 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214513 has 31 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Cheesy_51, Xenomorph_48, Bowling_50, Elsa_51, Correa_49, Arcadia_51, Tribby_52, Nason_51
• Track 2 : Benllo_52, JEGGS_50, BenitoAntonio_51, Heisenberger_50, KeaneyLin_50, GoCrazy_50, Kardesai_52
• Track 3 : Dynamite_51, NapoleonB_51
• Track 4 : Hankly_50, Circum_53, Mudcat_48, Mooshroom_53
• Track 5 : Renaldo_56, Lewando_53
• Track 6 : Leathea_51
• Track 7 : Navi1117_52
• Track 8 : Phaila_52
• Track 9 : TrixiePhattel_51
• Track 10 : GantcherGoblin_48
• Track 11 : Kinny_54, Biscute_53
• Track 12 : BarbieDoll_54

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

The start number called the most often in the published annotations is 9, it was called in 15 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_51, BenitoAntonio_51, Benllo_52, Bowling_50, Cheesy_51, Correa_49, Dynamite_51, Elsa_51, GoCrazy_50, Heisenberger_50, JEGGS_50, Kardesai_52, KeaneyLin_50, NapoleonB_51, Nason_51, Tribby_52, Xenomorph_48,

Genes that have the "Most Annotated" start but do not call it:
• Circum_53, Hankly_50, Mooshroom_53, Mudcat_48, TrixiePhattel_51,

Genes that do not have the "Most Annotated" start:
• BarbieDoll_54, Biscute_53, GantcherGoblin_48, Kinny_54, Leathea_51, Lewando_53, Navi1117_52, Phaila_52, Renaldo_56,

Summary by start number:

Start 7:
• Found in 12 of 31 (38.7%) of genes in pham
• Manual Annotations of this start: 4 of 21
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Circum_53 (AM), Hankly_50 (AM), Mooshroom_53 (AM), Mudcat_48 (AM),

Start 8:
• Found in 3 of 31 (9.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_54 (AU6), Biscute_53 (AU6), Kinny_54 (AU6),

Start 9:
• Found in 22 of 31 (71.0%) of genes in pham
• Manual Annotations of this start: 15 of 21
• Called 77.3% of time when present
• Phage (with cluster) where this start called: Arcadia_51 (AM), BenitoAntonio_51 (AM), Benllo_52 (AM), Bowling_50 (AM), Cheesy_51 (AM), Correa_49 (AM), Dynamite_51 (AM), Elsa_51 (AM), GoCrazy_50 (AM), Heisenberger_50 (AM), JEGGS_50 (AM), Kardesai_52 (AM), KeaneyLin_50 (AM), NapoleonB_51 (AM), Nason_51 (AM), Tribby_52 (AM), Xenomorph_48 (AM),

Start 11:
• Found in 1 of 31 (3.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Navi1117_52 (AU6),

Start 12:
• Found in 9 of 31 (29.0%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 66.7% of time when present
• Phage (with cluster) where this start called: GantcherGoblin_48 (AU6), Leathea_51 (AU6), Lewando_53 (AU6), Phaila_52 (AU6), Renaldo_56 (AU6), TrixiePhattel_51 (AU6),

Summary by clusters:

There are 2 clusters represented in this pham: AM, AU6,

Info for manual annotations of cluster AM:
•Start number 7 was manually annotated 4 times for cluster AM.
•Start number 9 was manually annotated 15 times for cluster AM.

Info for manual annotations of cluster AU6:
•Start number 12 was manually annotated 2 times for cluster AU6.

Gene Information:

Gene: Arcadia_51 Start: 33107, Stop: 33238, Start Num: 9
Candidate Starts for Arcadia_51:
(Start: 9 @33107 has 15 MA's),

Gene: BarbieDoll_54 Start: 34859, Stop: 34999, Start Num: 8
Candidate Starts for BarbieDoll_54:
(2, 34706), (3, 34772), (8, 34859), (Start: 12 @34886 has 2 MA's),

Gene: BenitoAntonio_51 Start: 32641, Stop: 32775, Start Num: 9
Candidate Starts for BenitoAntonio_51:
(Start: 7 @32626 has 4 MA's), (Start: 9 @32641 has 15 MA's),

Gene: Benllo_52 Start: 33319, Stop: 33453, Start Num: 9
Candidate Starts for Benllo_52:
(Start: 7 @33304 has 4 MA's), (Start: 9 @33319 has 15 MA's),

Gene: Biscute_53 Start: 34511, Stop: 34651, Start Num: 8
Candidate Starts for Biscute_53:
(1, 34310), (2, 34358), (3, 34424), (8, 34511), (Start: 12 @34538 has 2 MA's),

Gene: Bowling_50 Start: 32852, Stop: 32983, Start Num: 9
Candidate Starts for Bowling_50:
(Start: 9 @32852 has 15 MA's),

Gene: Cheesy_51 Start: 32828, Stop: 32959, Start Num: 9
Candidate Starts for Cheesy_51:
(Start: 9 @32828 has 15 MA's),

Gene: Circum_53 Start: 33495, Stop: 33644, Start Num: 7
Candidate Starts for Circum_53:
(Start: 7 @33495 has 4 MA's), (Start: 9 @33510 has 15 MA's),

Gene: Correa_49 Start: 31974, Stop: 32105, Start Num: 9
Candidate Starts for Correa_49:
(Start: 9 @31974 has 15 MA's),

Gene: Dynamite_51 Start: 33040, Stop: 33168, Start Num: 9
Candidate Starts for Dynamite_51:
(Start: 9 @33040 has 15 MA's),

Gene: Elsa_51 Start: 33107, Stop: 33238, Start Num: 9
Candidate Starts for Elsa_51:
(Start: 9 @33107 has 15 MA's),

Gene: GantcherGoblin_48 Start: 33220, Stop: 33339, Start Num: 12
Candidate Starts for GantcherGoblin_48:
(Start: 12 @33220 has 2 MA's), (13, 33256),

Gene: GoCrazy_50 Start: 32975, Stop: 33109, Start Num: 9
Candidate Starts for GoCrazy_50:
(Start: 7 @32960 has 4 MA's), (Start: 9 @32975 has 15 MA's),

Gene: Hankly_50 Start: 32234, Stop: 32383, Start Num: 7

Candidate Starts for Hankly_50:
(Start: 7 @32234 has 4 MA's), (Start: 9 @32249 has 15 MA's),

Gene: Heisenberger_50 Start: 32530, Stop: 32664, Start Num: 9
Candidate Starts for Heisenberger_50:
(Start: 7 @32515 has 4 MA's), (Start: 9 @32530 has 15 MA's),

Gene: JEGGS_50 Start: 32585, Stop: 32719, Start Num: 9
Candidate Starts for JEGGS_50:
(Start: 7 @32570 has 4 MA's), (Start: 9 @32585 has 15 MA's),

Gene: Kardesai_52 Start: 33219, Stop: 33353, Start Num: 9
Candidate Starts for Kardesai_52:
(Start: 7 @33204 has 4 MA's), (Start: 9 @33219 has 15 MA's),

Gene: KeaneyLin_50 Start: 32975, Stop: 33109, Start Num: 9
Candidate Starts for KeaneyLin_50:
(Start: 7 @32960 has 4 MA's), (Start: 9 @32975 has 15 MA's),

Gene: Kinny_54 Start: 35354, Stop: 35494, Start Num: 8
Candidate Starts for Kinny_54:
(1, 35153), (2, 35201), (3, 35267), (8, 35354), (Start: 12 @35381 has 2 MA's),

Gene: Leathea_51 Start: 33316, Stop: 33435, Start Num: 12
Candidate Starts for Leathea_51:
(Start: 12 @33316 has 2 MA's),

Gene: Lewando_53 Start: 34888, Stop: 35001, Start Num: 12
Candidate Starts for Lewando_53:
(Start: 12 @34888 has 2 MA's),

Gene: Mooshroom_53 Start: 33204, Stop: 33353, Start Num: 7
Candidate Starts for Mooshroom_53:
(Start: 7 @33204 has 4 MA's), (Start: 9 @33219 has 15 MA's),

Gene: Mudcat_48 Start: 33928, Stop: 34077, Start Num: 7
Candidate Starts for Mudcat_48:
(Start: 7 @33928 has 4 MA's), (Start: 9 @33943 has 15 MA's),

Gene: NapoleonB_51 Start: 33040, Stop: 33168, Start Num: 9
Candidate Starts for NapoleonB_51:
(Start: 9 @33040 has 15 MA's),

Gene: Nason_51 Start: 33107, Stop: 33238, Start Num: 9
Candidate Starts for Nason_51:
(Start: 9 @33107 has 15 MA's),

Gene: Navi1117_52 Start: 33929, Stop: 34051, Start Num: 11
Candidate Starts for Navi1117_52:
(5, 33893), (11, 33929),

Gene: Phaila_52 Start: 33313, Stop: 33432, Start Num: 12
Candidate Starts for Phaila_52:

(6, 33280), (Start: 7 @33283 has 4 MA's), (Start: 12 @33313 has 2 MA's),

Gene: Renaldo_56 Start: 35197, Stop: 35310, Start Num: 12
Candidate Starts for Renaldo_56:
(Start: 12 @35197 has 2 MA's),

Gene: Tribby_52 Start: 33045, Stop: 33176, Start Num: 9
Candidate Starts for Tribby_52:
(Start: 9 @33045 has 15 MA's),

Gene: TrixiePhattel_51 Start: 33340, Stop: 33459, Start Num: 12
Candidate Starts for TrixiePhattel_51:
(4, 33238), (Start: 9 @33325 has 15 MA's), (10, 33334), (Start: 12 @33340 has 2 MA's), (13, 33376),

Gene: Xenomorph_48 Start: 32778, Stop: 32909, Start Num: 9
Candidate Starts for Xenomorph_48:
(Start: 9 @32778 has 15 MA's),