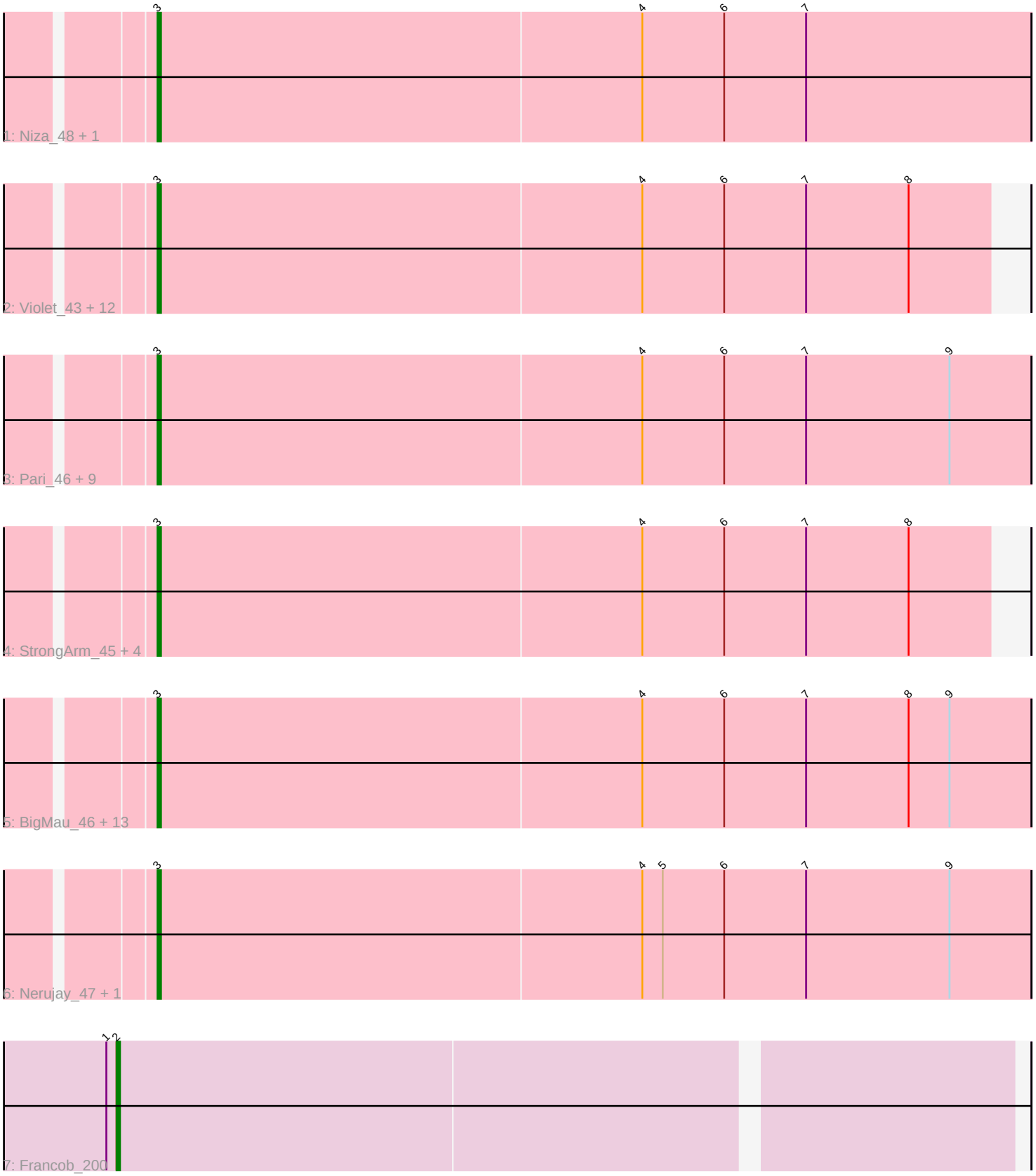
Pham 342275


3
4
6
7
1: Niza_48 + 1
3
4
6
7
8
2: Violet_43 + 12
3
4
6
7
9
3: Pari_46 + 9
3
4
6
7
8
4: StrongArm_45 + 4
3
4
6
7
8
9
5: BigMau_46 + 13
3
4
5
6
7
9
6: Nerujay_47 + 1
1
2
7: Francob_200

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 342275 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342275 has 47 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Niza_48, KSSJEB_44
• Track 2 : Violet_43, Makemake_45, Dussy_47, Killigrew_45, Abbyshoes_48, Blesser_44, Papez_48, Briton15_47, IgnatiusPatJac_45, Gwendoluna_48, Lopton_46, BluSpix_43, Kenmech_49
• Track 3 : Pari_46, Rufus_46, Switzer_46, U2_44, Dynamix_46, Hope4ever_47, Seabiscuit_47, Espresso_45, Bethlehem_45, Manatee_46
• Track 4 : StrongArm_45, KBG_47, Bexan_44, Beatrix_45, EnzoK_44
• Track 5 : BigMau_46, BPBiebs31_46, Ohno789_46, McSinger_46, Burton_45, Rohr_46, Squee_45, BeesKnees_46, Bob3_43, Jerm2_46, Museum_46, HermioneGrange_45, Sunshine924_46, MPlant7149_44
• Track 6 : Nerujay_47, Trouble_47
• Track 7 : Francob_200

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

The start number called the most often in the published annotations is 3, it was called in 46 of the 47 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abbyshoes_48, BPBiebs31_46, Beatrix_45, BeesKnees_46, Bethlehem_45, Bexan_44, BigMau_46, Blesser_44, BluSpix_43, Bob3_43, Briton15_47, Burton_45, Dussy_47, Dynamix_46, EnzoK_44, Espresso_45, Gwendoluna_48, HermioneGrange_45, Hope4ever_47, IgnatiusPatJac_45, Jerm2_46, KBG_47, KSSJEB_44, Kenmech_49, Killigrew_45, Lopton_46, MPlant7149_44, Makemake_45, Manatee_46, McSinger_46, Museum_46, Nerujay_47, Niza_48, Ohno789_46, Papez_48, Pari_46, Rohr_46, Rufus_46, Seabiscuit_47, Squee_45, StrongArm_45, Sunshine924_46, Switzer_46, Trouble_47, U2_44, Violet_43,

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

Genes that do not have the "Most Annotated" start:
• Francob_200,

Summary by start number:

Start 2:
• Found in 1 of 47 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 47
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Francob_200 (BK1),

Start 3:
• Found in 46 of 47 (97.9%) of genes in pham
• Manual Annotations of this start: 46 of 47
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abbyshoes_48 (A1), BPBiebs31_46 (A1), Beatrix_45 (A1), BeesKnees_46 (A1), Bethlehem_45 (A1), Bexan_44 (A1), BigMau_46 (A1), Blesser_44 (A1), BluSpix_43 (A1), Bob3_43 (A1), Briton15_47 (A1), Burton_45 (A1), Dussy_47 (A1), Dynamix_46 (A1), EnzoK_44 (A1), Espresso_45 (A1), Gwendoluna_48 (A1), HermioneGrange_45 (A1), Hope4ever_47 (A1), IgnatiusPatJac_45 (A1), Jerm2_46 (A1), KBG_47 (A1), KSSJEB_44 (A1), Kenmech_49 (A1), Killigrew_45 (A1), Lopton_46 (A1), MPlant7149_44 (A1), Makemake_45 (A1), Manatee_46 (A1), McSinger_46 (A1), Museum_46 (A1), Nerujay_47 (A1), Niza_48 (A1), Ohno789_46 (A1), Papez_48 (A1), Pari_46 (A1), Rohr_46 (A1), Rufus_46 (A1), Seabiscuit_47 (A1), Squee_45 (A1), StrongArm_45 (A1), Sunshine924_46 (A1), Switzer_46 (A1), Trouble_47 (A1), U2_44 (A1), Violet_43 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, BK1,

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 46 times for cluster A1.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Abbyshoes_48 Start: 35031, Stop: 34789, Start Num: 3
Candidate Starts for Abbyshoes_48:
(Start: 3 @35031 has 46 MA's), (4, 34890), (6, 34866), (7, 34842), (8, 34812),

Gene: BPBiebs31_46 Start: 34950, Stop: 34696, Start Num: 3
Candidate Starts for BPBiebs31_46:
(Start: 3 @34950 has 46 MA's), (4, 34809), (6, 34785), (7, 34761), (8, 34731), (9, 34719),

Gene: Beatrix_45 Start: 36206, Stop: 35964, Start Num: 3
Candidate Starts for Beatrix_45:
(Start: 3 @36206 has 46 MA's), (4, 36065), (6, 36041), (7, 36017), (8, 35987),

Gene: BeesKnees_46 Start: 34684, Stop: 34430, Start Num: 3
Candidate Starts for BeesKnees_46:

(Start: 3 @34684 has 46 MA's), (4, 34543), (6, 34519), (7, 34495), (8, 34465), (9, 34453),

Gene: Bethlehem_45 Start: 35357, Stop: 35103, Start Num: 3
Candidate Starts for Bethlehem_45:
(Start: 3 @35357 has 46 MA's), (4, 35216), (6, 35192), (7, 35168), (9, 35126),

Gene: Bexan_44 Start: 35884, Stop: 35642, Start Num: 3
Candidate Starts for Bexan_44:
(Start: 3 @35884 has 46 MA's), (4, 35743), (6, 35719), (7, 35695), (8, 35665),

Gene: BigMau_46 Start: 34465, Stop: 34211, Start Num: 3
Candidate Starts for BigMau_46:
(Start: 3 @34465 has 46 MA's), (4, 34324), (6, 34300), (7, 34276), (8, 34246), (9, 34234),

Gene: Blesser_44 Start: 34827, Stop: 34585, Start Num: 3
Candidate Starts for Blesser_44:
(Start: 3 @34827 has 46 MA's), (4, 34686), (6, 34662), (7, 34638), (8, 34608),

Gene: BluSpix_43 Start: 31056, Stop: 30814, Start Num: 3
Candidate Starts for BluSpix_43:
(Start: 3 @31056 has 46 MA's), (4, 30915), (6, 30891), (7, 30867), (8, 30837),

Gene: Bob3_43 Start: 33815, Stop: 33561, Start Num: 3
Candidate Starts for Bob3_43:
(Start: 3 @33815 has 46 MA's), (4, 33674), (6, 33650), (7, 33626), (8, 33596), (9, 33584),

Gene: Briton15_47 Start: 34925, Stop: 34683, Start Num: 3
Candidate Starts for Briton15_47:
(Start: 3 @34925 has 46 MA's), (4, 34784), (6, 34760), (7, 34736), (8, 34706),

Gene: Burton_45 Start: 34360, Stop: 34106, Start Num: 3
Candidate Starts for Burton_45:
(Start: 3 @34360 has 46 MA's), (4, 34219), (6, 34195), (7, 34171), (8, 34141), (9, 34129),

Gene: Dussy_47 Start: 35051, Stop: 34809, Start Num: 3
Candidate Starts for Dussy_47:
(Start: 3 @35051 has 46 MA's), (4, 34910), (6, 34886), (7, 34862), (8, 34832),

Gene: Dynamix_46 Start: 34670, Stop: 34416, Start Num: 3
Candidate Starts for Dynamix_46:
(Start: 3 @34670 has 46 MA's), (4, 34529), (6, 34505), (7, 34481), (9, 34439),

Gene: EnzoK_44 Start: 32641, Stop: 32399, Start Num: 3
Candidate Starts for EnzoK_44:
(Start: 3 @32641 has 46 MA's), (4, 32500), (6, 32476), (7, 32452), (8, 32422),

Gene: Espresso_45 Start: 34917, Stop: 34663, Start Num: 3
Candidate Starts for Espresso_45:
(Start: 3 @34917 has 46 MA's), (4, 34776), (6, 34752), (7, 34728), (9, 34686),

Gene: Francob_200 Start: 100603, Stop: 100857, Start Num: 2
Candidate Starts for Francob_200:
(1, 100600), (Start: 2 @100603 has 1 MA's),

Gene: Gwendoluna_48 Start: 36809, Stop: 36567, Start Num: 3
Candidate Starts for Gwendoluna_48:
(Start: 3 @36809 has 46 MA's), (4, 36668), (6, 36644), (7, 36620), (8, 36590),

Gene: HermioneGrange_45 Start: 34959, Stop: 34705, Start Num: 3
Candidate Starts for HermioneGrange_45:
(Start: 3 @34959 has 46 MA's), (4, 34818), (6, 34794), (7, 34770), (8, 34740), (9, 34728),

Gene: Hope4ever_47 Start: 35416, Stop: 35162, Start Num: 3
Candidate Starts for Hope4ever_47:
(Start: 3 @35416 has 46 MA's), (4, 35275), (6, 35251), (7, 35227), (9, 35185),

Gene: IgnatiusPatJac_45 Start: 35001, Stop: 34759, Start Num: 3
Candidate Starts for IgnatiusPatJac_45:
(Start: 3 @35001 has 46 MA's), (4, 34860), (6, 34836), (7, 34812), (8, 34782),

Gene: Jerm2_46 Start: 35214, Stop: 34960, Start Num: 3
Candidate Starts for Jerm2_46:
(Start: 3 @35214 has 46 MA's), (4, 35073), (6, 35049), (7, 35025), (8, 34995), (9, 34983),

Gene: KBG_47 Start: 36160, Stop: 35918, Start Num: 3
Candidate Starts for KBG_47:
(Start: 3 @36160 has 46 MA's), (4, 36019), (6, 35995), (7, 35971), (8, 35941),

Gene: KSSJEB_44 Start: 34444, Stop: 34190, Start Num: 3
Candidate Starts for KSSJEB_44:
(Start: 3 @34444 has 46 MA's), (4, 34303), (6, 34279), (7, 34255),

Gene: Kenmech_49 Start: 36177, Stop: 35935, Start Num: 3
Candidate Starts for Kenmech_49:
(Start: 3 @36177 has 46 MA's), (4, 36036), (6, 36012), (7, 35988), (8, 35958),

Gene: Killigrew_45 Start: 34863, Stop: 34621, Start Num: 3
Candidate Starts for Killigrew_45:
(Start: 3 @34863 has 46 MA's), (4, 34722), (6, 34698), (7, 34674), (8, 34644),

Gene: Lopton_46 Start: 36135, Stop: 35893, Start Num: 3
Candidate Starts for Lopton_46:
(Start: 3 @36135 has 46 MA's), (4, 35994), (6, 35970), (7, 35946), (8, 35916),

Gene: MPlant7149_44 Start: 34077, Stop: 33823, Start Num: 3
Candidate Starts for MPlant7149_44:
(Start: 3 @34077 has 46 MA's), (4, 33936), (6, 33912), (7, 33888), (8, 33858), (9, 33846),

Gene: Makemake_45 Start: 35605, Stop: 35363, Start Num: 3
Candidate Starts for Makemake_45:
(Start: 3 @35605 has 46 MA's), (4, 35464), (6, 35440), (7, 35416), (8, 35386),

Gene: Manatee_46 Start: 34313, Stop: 34059, Start Num: 3
Candidate Starts for Manatee_46:
(Start: 3 @34313 has 46 MA's), (4, 34172), (6, 34148), (7, 34124), (9, 34082),

Gene: McSinger_46 Start: 35069, Stop: 34815, Start Num: 3
Candidate Starts for McSinger_46:
(Start: 3 @35069 has 46 MA's), (4, 34928), (6, 34904), (7, 34880), (8, 34850), (9, 34838),

Gene: Museum_46 Start: 34299, Stop: 34045, Start Num: 3
Candidate Starts for Museum_46:
(Start: 3 @34299 has 46 MA's), (4, 34158), (6, 34134), (7, 34110), (8, 34080), (9, 34068),

Gene: Nerujay_47 Start: 35379, Stop: 35125, Start Num: 3
Candidate Starts for Nerujay_47:
(Start: 3 @35379 has 46 MA's), (4, 35238), (5, 35232), (6, 35214), (7, 35190), (9, 35148),

Gene: Niza_48 Start: 36146, Stop: 35892, Start Num: 3
Candidate Starts for Niza_48:
(Start: 3 @36146 has 46 MA's), (4, 36005), (6, 35981), (7, 35957),

Gene: Ohno789_46 Start: 35455, Stop: 35201, Start Num: 3
Candidate Starts for Ohno789_46:
(Start: 3 @35455 has 46 MA's), (4, 35314), (6, 35290), (7, 35266), (8, 35236), (9, 35224),

Gene: Papez_48 Start: 37234, Stop: 36992, Start Num: 3
Candidate Starts for Papez_48:
(Start: 3 @37234 has 46 MA's), (4, 37093), (6, 37069), (7, 37045), (8, 37015),

Gene: Pari_46 Start: 34382, Stop: 34128, Start Num: 3
Candidate Starts for Pari_46:
(Start: 3 @34382 has 46 MA's), (4, 34241), (6, 34217), (7, 34193), (9, 34151),

Gene: Rohr_46 Start: 35260, Stop: 35006, Start Num: 3
Candidate Starts for Rohr_46:
(Start: 3 @35260 has 46 MA's), (4, 35119), (6, 35095), (7, 35071), (8, 35041), (9, 35029),

Gene: Rufus_46 Start: 34884, Stop: 34630, Start Num: 3
Candidate Starts for Rufus_46:
(Start: 3 @34884 has 46 MA's), (4, 34743), (6, 34719), (7, 34695), (9, 34653),

Gene: Seabiscuit_47 Start: 34650, Stop: 34396, Start Num: 3
Candidate Starts for Seabiscuit_47:
(Start: 3 @34650 has 46 MA's), (4, 34509), (6, 34485), (7, 34461), (9, 34419),

Gene: Squee_45 Start: 35128, Stop: 34874, Start Num: 3
Candidate Starts for Squee_45:
(Start: 3 @35128 has 46 MA's), (4, 34987), (6, 34963), (7, 34939), (8, 34909), (9, 34897),

Gene: StrongArm_45 Start: 36012, Stop: 35770, Start Num: 3
Candidate Starts for StrongArm_45:
(Start: 3 @36012 has 46 MA's), (4, 35871), (6, 35847), (7, 35823), (8, 35793),

Gene: Sunshine924_46 Start: 34429, Stop: 34175, Start Num: 3
Candidate Starts for Sunshine924_46:
(Start: 3 @34429 has 46 MA's), (4, 34288), (6, 34264), (7, 34240), (8, 34210), (9, 34198),

Gene: Switzer_46 Start: 34719, Stop: 34465, Start Num: 3

Candidate Starts for Switzer_46:
(Start: 3 @34719 has 46 MA's), (4, 34578), (6, 34554), (7, 34530), (9, 34488),

Gene: Trouble_47 Start: 36179, Stop: 35925, Start Num: 3
Candidate Starts for Trouble_47:
(Start: 3 @36179 has 46 MA's), (4, 36038), (5, 36032), (6, 36014), (7, 35990), (9, 35948),

Gene: U2_44 Start: 34699, Stop: 34445, Start Num: 3
Candidate Starts for U2_44:
(Start: 3 @34699 has 46 MA's), (4, 34558), (6, 34534), (7, 34510), (9, 34468),

Gene: Violet_43 Start: 34843, Stop: 34601, Start Num: 3
Candidate Starts for Violet_43:
(Start: 3 @34843 has 46 MA's), (4, 34702), (6, 34678), (7, 34654), (8, 34624),