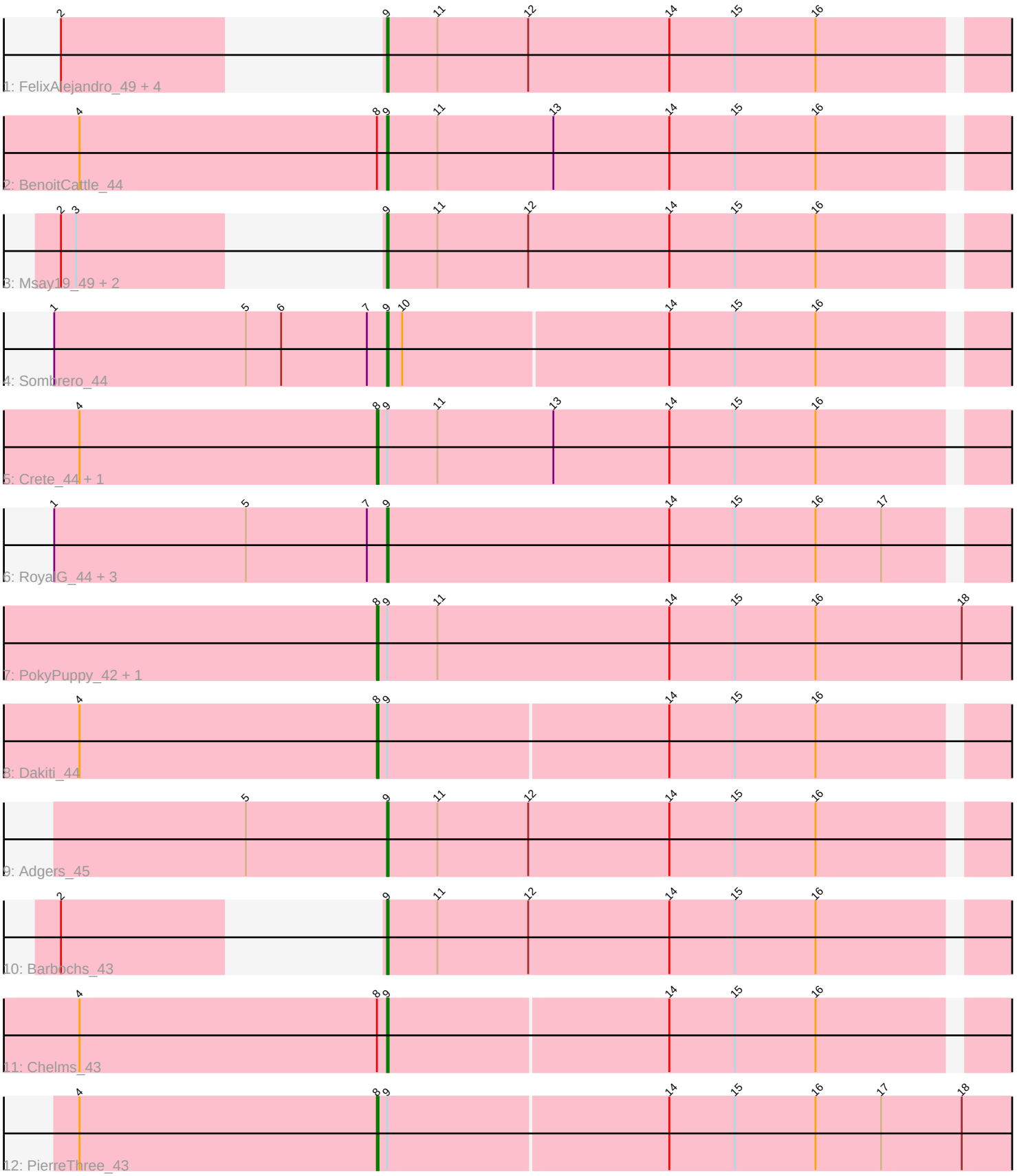
Pham 346136


2
9
11
12
14
15
16
1: FelixAlejandro_49 + 4
4
8
9
11
13
14
15
16
2: BenoitCattle_44
2
3
9
11
12
14
15
16
3: Msay19_49 + 2
1
5
6
7
9
10
14
15
16
4: Sombrero_44
4
8
9
11
13
14
15
16
5: Crete_44 + 1
1
5
7
9
14
15
16
17
6: RoyalG_44 + 3
8
9
11
14
15
16
18
7: PokyPuppy_42 + 1
4
8
9
14
15
16
8: Dakiti_44
5
9
11
12
14
15
16
9: Adgers_45
2
9
11
12
14
15
16
10: Barbochs_43
4
8
9
14
15
16
11: Chelms_43
4
8
9
14
15
16
17
18
12: PierreThree_43

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 346136 Report

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

Pham number 346136 has 23 members, 2 are drafts.

Phages represented in each track:
• Track 1 : FelixAlejandro_49, Butterball_48, CinnamonToast_50, Boneham_48, BillyBobJr_50
• Track 2 : BenoitCattle_44
• Track 3 : Msay19_49, Poland_49, Breezic_44
• Track 4 : Sombrero_44
• Track 5 : Crete_44, BigShaq_43
• Track 6 : RoyalG_44, SteveFrench_43, BirksAndSocks_48, Diabla_47
• Track 7 : PokyPuppy_42, Linetti_44
• Track 8 : Dakiti_44
• Track 9 : Adgers_45
• Track 10 : Barbochs_43
• Track 11 : Chelms_43
• Track 12 : PierreThree_43

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:
• Adgers_45, Barbochs_43, BenoitCattle_44, BillyBobJr_50, BirksAndSocks_48, Boneham_48, Breezic_44, Butterball_48, Chelms_43, CinnamonToast_50, Diabla_47, FelixAlejandro_49, Msay19_49, Poland_49, RoyalG_44, Sombrero_44, SteveFrench_43,

Genes that have the "Most Annotated" start but do not call it:
• BigShaq_43, Crete_44, Dakiti_44, Linetti_44, PierreThree_43, PokyPuppy_42,

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

Summary by start number:

Start 8:

• Found in 8 of 23 (34.8%) of genes in pham
• Manual Annotations of this start: 6 of 21
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BigShaq_43 (CS2), Crete_44 (CS2), Dakiti_44 (CS2), Linetti_44 (CS2), PierreThree_43 (CS2), PokyPuppy_42 (CS2),

Start 9:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 21
• Called 73.9% of time when present
• Phage (with cluster) where this start called: Adgers_45 (CS2), Barbochs_43 (CS2), BenoitCattle_44 (CS2), BillyBobJr_50 (CS2), BirksAndSocks_48 (CS2), Boneham_48 (CS2), Breezic_44 (CS2), Butterball_48 (CS2), Chelms_43 (CS2), CinnamonToast_50 (CS2), Diabla_47 (CS2), FelixAlejandro_49 (CS2), Msay19_49 (CS2), Poland_49 (CS2), RoyalG_44 (CS2), Sombrero_44 (CS2), SteveFrench_43 (CS2),

Summary by clusters:

There is one cluster represented in this pham: CS2

Info for manual annotations of cluster CS2:
•Start number 8 was manually annotated 6 times for cluster CS2.
•Start number 9 was manually annotated 15 times for cluster CS2.

Gene Information:

Gene: Adgers_45 Start: 43820, Stop: 43440, Start Num: 9
Candidate Starts for Adgers_45:
(5, 43904), (Start: 9 @43820 has 15 MA's), (11, 43790), (12, 43736), (14, 43652), (15, 43613), (16, 43565),

Gene: Barbochs_43 Start: 43659, Stop: 43279, Start Num: 9
Candidate Starts for Barbochs_43:
(2, 43758), (Start: 9 @43659 has 15 MA's), (11, 43629), (12, 43575), (14, 43491), (15, 43452), (16, 43404),

Gene: BenoitCattle_44 Start: 43764, Stop: 43384, Start Num: 9
Candidate Starts for BenoitCattle_44:
(4, 43947), (Start: 8 @43770 has 6 MA's), (Start: 9 @43764 has 15 MA's), (11, 43734), (13, 43665), (14, 43596), (15, 43557), (16, 43509),

Gene: BigShaq_43 Start: 43775, Stop: 43389, Start Num: 8
Candidate Starts for BigShaq_43:
(4, 43952), (Start: 8 @43775 has 6 MA's), (Start: 9 @43769 has 15 MA's), (11, 43739), (13, 43670), (14, 43601), (15, 43562), (16, 43514),

Gene: BillyBobJr_50 Start: 45737, Stop: 45357, Start Num: 9
Candidate Starts for BillyBobJr_50:
(2, 45836), (Start: 9 @45737 has 15 MA's), (11, 45707), (12, 45653), (14, 45569), (15, 45530), (16, 45482),

Gene: BirksAndSocks_48 Start: 45684, Stop: 45304, Start Num: 9
Candidate Starts for BirksAndSocks_48:
(1, 45882), (5, 45768), (7, 45696), (Start: 9 @45684 has 15 MA's), (14, 45516), (15, 45477), (16, 45429), (17, 45390),

Gene: Boneham_48 Start: 45683, Stop: 45303, Start Num: 9
Candidate Starts for Boneham_48:
(2, 45782), (Start: 9 @45683 has 15 MA's), (11, 45653), (12, 45599), (14, 45515), (15, 45476), (16, 45428),

Gene: Breezic_44 Start: 43672, Stop: 43292, Start Num: 9
Candidate Starts for Breezic_44:
(2, 43771), (3, 43762), (Start: 9 @43672 has 15 MA's), (11, 43642), (12, 43588), (14, 43504), (15, 43465), (16, 43417),

Gene: Butterball_48 Start: 45683, Stop: 45303, Start Num: 9
Candidate Starts for Butterball_48:
(2, 45782), (Start: 9 @45683 has 15 MA's), (11, 45653), (12, 45599), (14, 45515), (15, 45476), (16, 45428),

Gene: Chelms_43 Start: 43769, Stop: 43392, Start Num: 9
Candidate Starts for Chelms_43:
(4, 43952), (Start: 8 @43775 has 6 MA's), (Start: 9 @43769 has 15 MA's), (14, 43604), (15, 43565), (16, 43517),

Gene: CinnamonToast_50 Start: 45737, Stop: 45357, Start Num: 9
Candidate Starts for CinnamonToast_50:
(2, 45836), (Start: 9 @45737 has 15 MA's), (11, 45707), (12, 45653), (14, 45569), (15, 45530), (16, 45482),

Gene: Crete_44 Start: 44041, Stop: 43655, Start Num: 8
Candidate Starts for Crete_44:
(4, 44218), (Start: 8 @44041 has 6 MA's), (Start: 9 @44035 has 15 MA's), (11, 44005), (13, 43936), (14, 43867), (15, 43828), (16, 43780),

Gene: Dakiti_44 Start: 44643, Stop: 44260, Start Num: 8
Candidate Starts for Dakiti_44:
(4, 44820), (Start: 8 @44643 has 6 MA's), (Start: 9 @44637 has 15 MA's), (14, 44472), (15, 44433), (16, 44385),

Gene: Diabla_47 Start: 45518, Stop: 45138, Start Num: 9
Candidate Starts for Diabla_47:
(1, 45716), (5, 45602), (7, 45530), (Start: 9 @45518 has 15 MA's), (14, 45350), (15, 45311), (16, 45263), (17, 45224),

Gene: FelixAlejandro_49 Start: 45881, Stop: 45501, Start Num: 9
Candidate Starts for FelixAlejandro_49:
(2, 45980), (Start: 9 @45881 has 15 MA's), (11, 45851), (12, 45797), (14, 45713), (15, 45674), (16, 45626),

Gene: Linetti_44 Start: 44784, Stop: 44386, Start Num: 8
Candidate Starts for Linetti_44:

(Start: 8 @44784 has 6 MA's), (Start: 9 @44778 has 15 MA's), (11, 44748), (14, 44610), (15, 44571), (16, 44523), (18, 44436),

Gene: Msay19_49 Start: 45872, Stop: 45492, Start Num: 9
Candidate Starts for Msay19_49:
(2, 45971), (3, 45962), (Start: 9 @45872 has 15 MA's), (11, 45842), (12, 45788), (14, 45704), (15, 45665), (16, 45617),

Gene: PierreThree_43 Start: 44652, Stop: 44257, Start Num: 8
Candidate Starts for PierreThree_43:
(4, 44829), (Start: 8 @44652 has 6 MA's), (Start: 9 @44646 has 15 MA's), (14, 44481), (15, 44442), (16, 44394), (17, 44355), (18, 44307),

Gene: PokyPuppy_42 Start: 44595, Stop: 44197, Start Num: 8
Candidate Starts for PokyPuppy_42:
(Start: 8 @44595 has 6 MA's), (Start: 9 @44589 has 15 MA's), (11, 44559), (14, 44421), (15, 44382), (16, 44334), (18, 44247),

Gene: Poland_49 Start: 45851, Stop: 45471, Start Num: 9
Candidate Starts for Poland_49:
(2, 45950), (3, 45941), (Start: 9 @45851 has 15 MA's), (11, 45821), (12, 45767), (14, 45683), (15, 45644), (16, 45596),

Gene: RoyalG_44 Start: 44130, Stop: 43750, Start Num: 9
Candidate Starts for RoyalG_44:
(1, 44328), (5, 44214), (7, 44142), (Start: 9 @44130 has 15 MA's), (14, 43962), (15, 43923), (16, 43875), (17, 43836),

Gene: Sombrero_44 Start: 43665, Stop: 43288, Start Num: 9
Candidate Starts for Sombrero_44:
(1, 43863), (5, 43749), (6, 43728), (7, 43677), (Start: 9 @43665 has 15 MA's), (10, 43656), (14, 43500), (15, 43461), (16, 43413),

Gene: SteveFrench_43 Start: 44370, Stop: 43990, Start Num: 9
Candidate Starts for SteveFrench_43:
(1, 44568), (5, 44454), (7, 44382), (Start: 9 @44370 has 15 MA's), (14, 44202), (15, 44163), (16, 44115), (17, 44076),