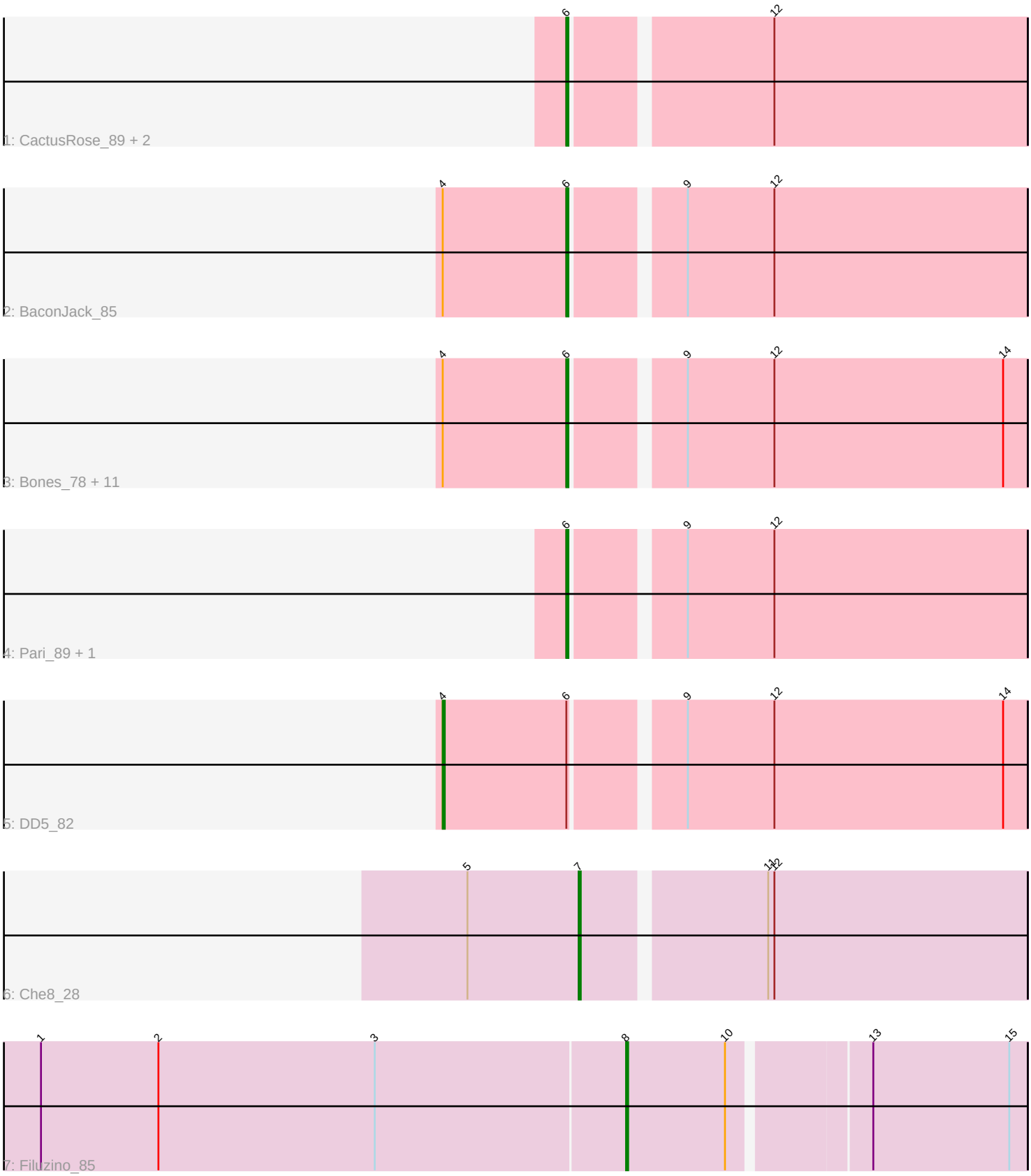
Pham 106579


6
12
1: CactusRose_89 + 2
4
6
9
12
2: BaconJack_85
4
6
9
12
14
3: Bones_78 + 11
6
9
12
4: Pari_89 + 1
4
6
9
12
14
5: DD5_82
5
7
11
12
6: Che8_28
1
2
3
8
10
13
15
7: Filuzino_85

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 106579 Report

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

Pham number 106579 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CactusRose_89, Fascinus_81, Bigfoot_81
• Track 2 : BaconJack_85
• Track 3 : Bones_78, Seabiscuit_83, McGuire_82, ShortQueendom_75, BeesKnees_83, STLscum_90, Briton15_85, Lockley_84, Sibs6_84, Doom_75, ILeeKay_80, Eyeball_83
• Track 4 : Pari_89, Pepe_78
• Track 5 : DD5_82
• Track 6 : Che8_28
• Track 7 : Filuzino_85

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

The start number called the most often in the published annotations is 6, it was called in 17 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconJack_85, BeesKnees_83, Bigfoot_81, Bones_78, Briton15_85, CactusRose_89, Doom_75, Eyeball_83, Fascinus_81, ILeeKay_80, Lockley_84, McGuire_82, Pari_89, Pepe_78, STLscum_90, Seabiscuit_83, ShortQueendom_75, Sibs6_84,

Genes that have the "Most Annotated" start but do not call it:
• DD5_82,

Genes that do not have the "Most Annotated" start:
• Che8_28, Filuzino_85,

Summary by start number:

Start 4:
• Found in 14 of 21 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 7.1% of time when present
• Phage (with cluster) where this start called: DD5_82 (A1),

Start 6:
• Found in 19 of 21 (90.5%) of genes in pham
• Manual Annotations of this start: 17 of 20
• Called 94.7% of time when present
• Phage (with cluster) where this start called: BaconJack_85 (A1), BeesKnees_83 (A1), Bigfoot_81 (A1), Bones_78 (A1), Briton15_85 (A1), CactusRose_89 (A1), Doom_75 (A1), Eyeball_83 (A1), Fascinus_81 (A1), ILeeKay_80 (A1), Lockley_84 (A1), McGuire_82 (A1), Pari_89 (A1), Pepe_78 (A1), STLscum_90 (A1), Seabiscuit_83 (A1), ShortQueendom_75 (A1), Sibs6_84 (A1),

Start 7:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che8_28 (F1),

Start 8:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Filuzino_85 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, F1,

Info for manual annotations of cluster A1:
•Start number 4 was manually annotated 1 time for cluster A1.
•Start number 6 was manually annotated 17 times for cluster A1.

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: BaconJack_85 Start: 50153, Stop: 49941, Start Num: 6
Candidate Starts for BaconJack_85:
(Start: 4 @50213 has 1 MA's), (Start: 6 @50153 has 17 MA's), (9, 50105), (12, 50063),

Gene: BeesKnees_83 Start: 47089, Stop: 46877, Start Num: 6
Candidate Starts for BeesKnees_83:
(Start: 4 @47149 has 1 MA's), (Start: 6 @47089 has 17 MA's), (9, 47041), (12, 46999), (14, 46888),

Gene: Bigfoot_81 Start: 48807, Stop: 48595, Start Num: 6
Candidate Starts for Bigfoot_81:
(Start: 6 @48807 has 17 MA's), (12, 48717),

Gene: Bones_78 Start: 48203, Stop: 47991, Start Num: 6
Candidate Starts for Bones_78:

(Start: 4 @48263 has 1 MA's), (Start: 6 @48203 has 17 MA's), (9, 48155), (12, 48113), (14, 48002),

Gene: Briton15_85 Start: 49232, Stop: 49020, Start Num: 6
Candidate Starts for Briton15_85:
(Start: 4 @49292 has 1 MA's), (Start: 6 @49232 has 17 MA's), (9, 49184), (12, 49142), (14, 49031),

Gene: CactusRose_89 Start: 49824, Stop: 49612, Start Num: 6
Candidate Starts for CactusRose_89:
(Start: 6 @49824 has 17 MA's), (12, 49734),

Gene: Che8_28 Start: 25895, Stop: 26104, Start Num: 7
Candidate Starts for Che8_28:
(5, 25841), (Start: 7 @25895 has 1 MA's), (11, 25979), (12, 25982),

Gene: DD5_82 Start: 48825, Stop: 48553, Start Num: 4
Candidate Starts for DD5_82:
(Start: 4 @48825 has 1 MA's), (Start: 6 @48765 has 17 MA's), (9, 48717), (12, 48675), (14, 48564),

Gene: Doom_75 Start: 47204, Stop: 46992, Start Num: 6
Candidate Starts for Doom_75:
(Start: 4 @47264 has 1 MA's), (Start: 6 @47204 has 17 MA's), (9, 47156), (12, 47114), (14, 47003),

Gene: Eyeball_83 Start: 48639, Stop: 48427, Start Num: 6
Candidate Starts for Eyeball_83:
(Start: 4 @48699 has 1 MA's), (Start: 6 @48639 has 17 MA's), (9, 48591), (12, 48549), (14, 48438),

Gene: Fascinus_81 Start: 49320, Stop: 49108, Start Num: 6
Candidate Starts for Fascinus_81:
(Start: 6 @49320 has 17 MA's), (12, 49230),

Gene: Filuzino_85 Start: 51627, Stop: 51812, Start Num: 8
Candidate Starts for Filuzino_85:
(1, 51345), (2, 51402), (3, 51507), (Start: 8 @51627 has 1 MA's), (10, 51675), (13, 51738), (15, 51804),

Gene: ILeeKay_80 Start: 46595, Stop: 46383, Start Num: 6
Candidate Starts for ILeeKay_80:
(Start: 4 @46655 has 1 MA's), (Start: 6 @46595 has 17 MA's), (9, 46547), (12, 46505), (14, 46394),

Gene: Lockley_84 Start: 48520, Stop: 48308, Start Num: 6
Candidate Starts for Lockley_84:
(Start: 4 @48580 has 1 MA's), (Start: 6 @48520 has 17 MA's), (9, 48472), (12, 48430), (14, 48319),

Gene: McGuire_82 Start: 47237, Stop: 47025, Start Num: 6
Candidate Starts for McGuire_82:
(Start: 4 @47297 has 1 MA's), (Start: 6 @47237 has 17 MA's), (9, 47189), (12, 47147), (14, 47036),

Gene: Pari_89 Start: 48893, Stop: 48681, Start Num: 6
Candidate Starts for Pari_89:
(Start: 6 @48893 has 17 MA's), (9, 48845), (12, 48803),

Gene: Pepe_78 Start: 46610, Stop: 46398, Start Num: 6
Candidate Starts for Pepe_78:

(Start: 6 @46610 has 17 MA's), (9, 46562), (12, 46520),

Gene: STLscum_90 Start: 49320, Stop: 49108, Start Num: 6
Candidate Starts for STLscum_90:
(Start: 4 @49380 has 1 MA's), (Start: 6 @49320 has 17 MA's), (9, 49272), (12, 49230), (14, 49119),

Gene: Seabiscuit_83 Start: 47471, Stop: 47259, Start Num: 6
Candidate Starts for Seabiscuit_83:
(Start: 4 @47531 has 1 MA's), (Start: 6 @47471 has 17 MA's), (9, 47423), (12, 47381), (14, 47270),

Gene: ShortQueendom_75 Start: 46080, Stop: 45868, Start Num: 6
Candidate Starts for ShortQueendom_75:
(Start: 4 @46140 has 1 MA's), (Start: 6 @46080 has 17 MA's), (9, 46032), (12, 45990), (14, 45879),

Gene: Sibs6_84 Start: 46068, Stop: 45856, Start Num: 6
Candidate Starts for Sibs6_84:
(Start: 4 @46128 has 1 MA's), (Start: 6 @46068 has 17 MA's), (9, 46020), (12, 45978), (14, 45867),