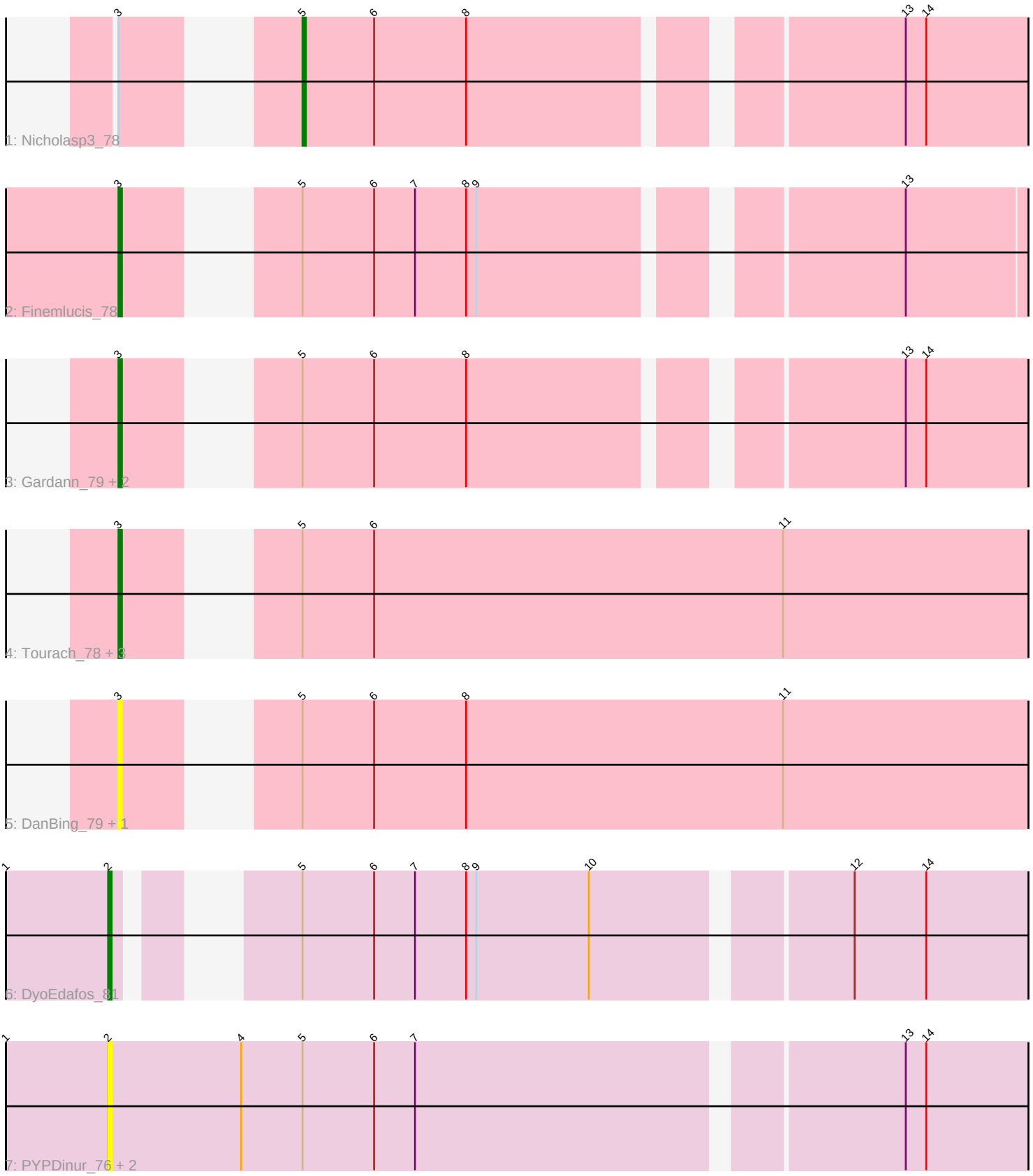
Pham 192984


3
5
6
8
13
14
1: Nicholasp3_78
3
5
6
7
8
9
13
2: Finemlucis_78
3
5
6
8
13
14
3: Gardann_79 + 2
3
5
6
11
4: Tourach_78 + 3
3
5
6
8
11
5: DanBing_79 + 1
1
2
5
6
7
8
9
10
12
14
6: DyoEdafos_81
1
2
4
5
6
7
13
14
7: PYPDinur_76 + 2

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 192984 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192984 has 15 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Nicholasp3_78
• Track 2 : Finemlucis_78
• Track 3 : Gardann_79, Rumpelstiltskin_76, Wigglewiggle_78
• Track 4 : Tourach_78, Claus_79, Hafay_80, Baoshan_76
• Track 5 : DanBing_79, ZhongYanYuan_76
• Track 6 : DyoEdafos_81
• Track 7 : PYPDinur_76, Douzhi_77, BrainDrainer_77

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baoshan_76, Claus_79, DanBing_79, Finemlucis_78, Gardann_79, Hafay_80, Rumpelstiltskin_76, Tourach_78, Wigglewiggle_78, ZhongYanYuan_76,

Genes that have the "Most Annotated" start but do not call it:
• Nicholasp3_78,

Genes that do not have the "Most Annotated" start:
• BrainDrainer_77, Douzhi_77, DyoEdafos_81, PYPDinur_76,

Summary by start number:

Start 2:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrainDrainer_77 (L4), Douzhi_77 (L4), DyoEdafos_81 (L4), PYPDinur_76 (L4),

Start 3:
• Found in 11 of 15 (73.3%) of genes in pham

• Manual Annotations of this start: 5 of 7
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Baoshan_76 (L2), Claus_79 (L2), DanBing_79 (L2), Finemlucis_78 (L2), Gardann_79 (L2), Hafay_80 (L2), Rumpelstiltskin_76 (L2), Tourach_78 (L2), Wigglewiggle_78 (L2), ZhongYanYuan_76 (L2),

Start 5:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Nicholasp3_78 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:
•Start number 3 was manually annotated 5 times for cluster L2.
•Start number 5 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:
•Start number 2 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Baoshan_76 Start: 53019, Stop: 53267, Start Num: 3
Candidate Starts for Baoshan_76:
(Start: 3 @53019 has 5 MA's), (Start: 5 @53052 has 1 MA's), (6, 53073), (11, 53193),

Gene: BrainDrainer_77 Start: 52105, Stop: 52368, Start Num: 2
Candidate Starts for BrainDrainer_77:
(1, 52075), (Start: 2 @52105 has 1 MA's), (4, 52144), (Start: 5 @52162 has 1 MA's), (6, 52183), (7, 52195), (13, 52330), (14, 52336),

Gene: Claus_79 Start: 53085, Stop: 53333, Start Num: 3
Candidate Starts for Claus_79:
(Start: 3 @53085 has 5 MA's), (Start: 5 @53118 has 1 MA's), (6, 53139), (11, 53259),

Gene: DanBing_79 Start: 52954, Stop: 53202, Start Num: 3
Candidate Starts for DanBing_79:
(Start: 3 @52954 has 5 MA's), (Start: 5 @52987 has 1 MA's), (6, 53008), (8, 53035), (11, 53128),

Gene: Douzhi_77 Start: 51922, Stop: 52185, Start Num: 2
Candidate Starts for Douzhi_77:
(1, 51892), (Start: 2 @51922 has 1 MA's), (4, 51961), (Start: 5 @51979 has 1 MA's), (6, 52000), (7, 52012), (13, 52147), (14, 52153),

Gene: DyoEdafos_81 Start: 52595, Stop: 52834, Start Num: 2
Candidate Starts for DyoEdafos_81:

(1, 52565), (Start: 2 @52595 has 1 MA's), (Start: 5 @52628 has 1 MA's), (6, 52649), (7, 52661), (8, 52676), (9, 52679), (10, 52712), (12, 52781), (14, 52802),

Gene: Finemlucis_78 Start: 53631, Stop: 53867, Start Num: 3
Candidate Starts for Finemlucis_78:
(Start: 3 @53631 has 5 MA's), (Start: 5 @53664 has 1 MA's), (6, 53685), (7, 53697), (8, 53712), (9, 53715), (13, 53826),

Gene: Gardann_79 Start: 53003, Stop: 53236, Start Num: 3
Candidate Starts for Gardann_79:
(Start: 3 @53003 has 5 MA's), (Start: 5 @53036 has 1 MA's), (6, 53057), (8, 53084), (13, 53198), (14, 53204),

Gene: Hafay_80 Start: 53080, Stop: 53328, Start Num: 3
Candidate Starts for Hafay_80:
(Start: 3 @53080 has 5 MA's), (Start: 5 @53113 has 1 MA's), (6, 53134), (11, 53254),

Gene: Nicholasp3_78 Start: 53036, Stop: 53236, Start Num: 5
Candidate Starts for Nicholasp3_78:
(Start: 3 @53003 has 5 MA's), (Start: 5 @53036 has 1 MA's), (6, 53057), (8, 53084), (13, 53198), (14, 53204),

Gene: PYPDinur_76 Start: 52357, Stop: 52620, Start Num: 2
Candidate Starts for PYPDinur_76:
(1, 52327), (Start: 2 @52357 has 1 MA's), (4, 52396), (Start: 5 @52414 has 1 MA's), (6, 52435), (7, 52447), (13, 52582), (14, 52588),

Gene: Rumpelstiltskin_76 Start: 52796, Stop: 53029, Start Num: 3
Candidate Starts for Rumpelstiltskin_76:
(Start: 3 @52796 has 5 MA's), (Start: 5 @52829 has 1 MA's), (6, 52850), (8, 52877), (13, 52991), (14, 52997),

Gene: Tourach_78 Start: 53270, Stop: 53518, Start Num: 3
Candidate Starts for Tourach_78:
(Start: 3 @53270 has 5 MA's), (Start: 5 @53303 has 1 MA's), (6, 53324), (11, 53444),

Gene: Wigglewiggle_78 Start: 53027, Stop: 53260, Start Num: 3
Candidate Starts for Wigglewiggle_78:
(Start: 3 @53027 has 5 MA's), (Start: 5 @53060 has 1 MA's), (6, 53081), (8, 53108), (13, 53222), (14, 53228),

Gene: ZhongYanYuan_76 Start: 52603, Stop: 52851, Start Num: 3
Candidate Starts for ZhongYanYuan_76:
(Start: 3 @52603 has 5 MA's), (Start: 5 @52636 has 1 MA's), (6, 52657), (8, 52684), (11, 52777),