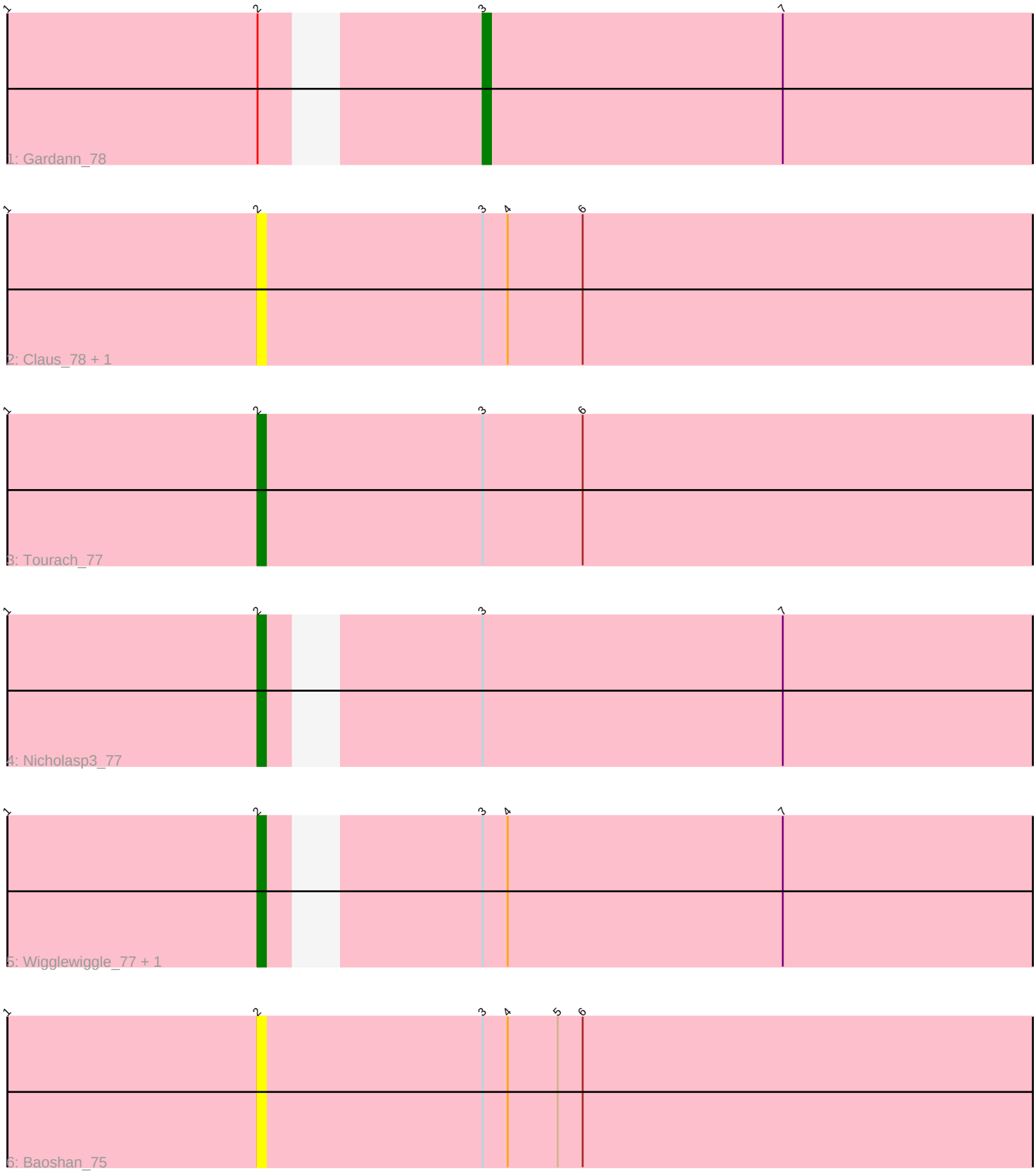
Pham 28377


1
2
3
7
1: Gardann_78
1
2
3
4
6
2: Claus_78 + 1
1
2
3
6
3: Tourach_77
1
2
3
7
4: Nicholasp3_77
1
2
3
4
7
5: Wigglewiggle_77 + 1
1
2
3
4
5
6
6: Baoshan_75

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 28377 Report

This analysis was run 04/05/24 on database version 557.

Pham number 28377 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Gardann_78
• Track 2 : Claus_78, Hafay_79
• Track 3 : Tourach_77
• Track 4 : Nicholasp3_77
• Track 5 : Wigglewiggle_77, ZhongYanYuan_75
• Track 6 : Baoshan_75

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baoshan_75, Claus_78, Hafay_79, Nicholasp3_77, Tourach_77, Wigglewiggle_77, ZhongYanYuan_75,

Genes that have the "Most Annotated" start but do not call it:
• Gardann_78,

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Baoshan_75 (L2), Claus_78 (L2), Hafay_79 (L2), Nicholasp3_77 (L2), Tourach_77 (L2), Wigglewiggle_77 (L2), ZhongYanYuan_75 (L2),

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 4
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Gardann_78 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:
•Start number 2 was manually annotated 3 times for cluster L2.
•Start number 3 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: Baoshan_75 Start: 52904, Stop: 53044, Start Num: 2
Candidate Starts for Baoshan_75:
(1, 52874), (Start: 2 @52904 has 3 MA's), (Start: 3 @52931 has 1 MA's), (4, 52934), (5, 52940), (6, 52943),

Gene: Claus_78 Start: 52970, Stop: 53110, Start Num: 2
Candidate Starts for Claus_78:
(1, 52940), (Start: 2 @52970 has 3 MA's), (Start: 3 @52997 has 1 MA's), (4, 53000), (6, 53009),

Gene: Gardann_78 Start: 52915, Stop: 53028, Start Num: 3
Candidate Starts for Gardann_78:
(1, 52864), (Start: 2 @52894 has 3 MA's), (Start: 3 @52915 has 1 MA's), (7, 52951),

Gene: Hafay_79 Start: 52965, Stop: 53105, Start Num: 2
Candidate Starts for Hafay_79:
(1, 52935), (Start: 2 @52965 has 3 MA's), (Start: 3 @52992 has 1 MA's), (4, 52995), (6, 53004),

Gene: Nicholasp3_77 Start: 52894, Stop: 53028, Start Num: 2
Candidate Starts for Nicholasp3_77:
(1, 52864), (Start: 2 @52894 has 3 MA's), (Start: 3 @52915 has 1 MA's), (7, 52951),

Gene: Tourach_77 Start: 53155, Stop: 53295, Start Num: 2
Candidate Starts for Tourach_77:
(1, 53125), (Start: 2 @53155 has 3 MA's), (Start: 3 @53182 has 1 MA's), (6, 53194),

Gene: Wigglewiggle_77 Start: 52918, Stop: 53052, Start Num: 2
Candidate Starts for Wigglewiggle_77:
(1, 52888), (Start: 2 @52918 has 3 MA's), (Start: 3 @52939 has 1 MA's), (4, 52942), (7, 52975),

Gene: ZhongYanYuan_75 Start: 52494, Stop: 52628, Start Num: 2
Candidate Starts for ZhongYanYuan_75:
(1, 52464), (Start: 2 @52494 has 3 MA's), (Start: 3 @52515 has 1 MA's), (4, 52518), (7, 52551),