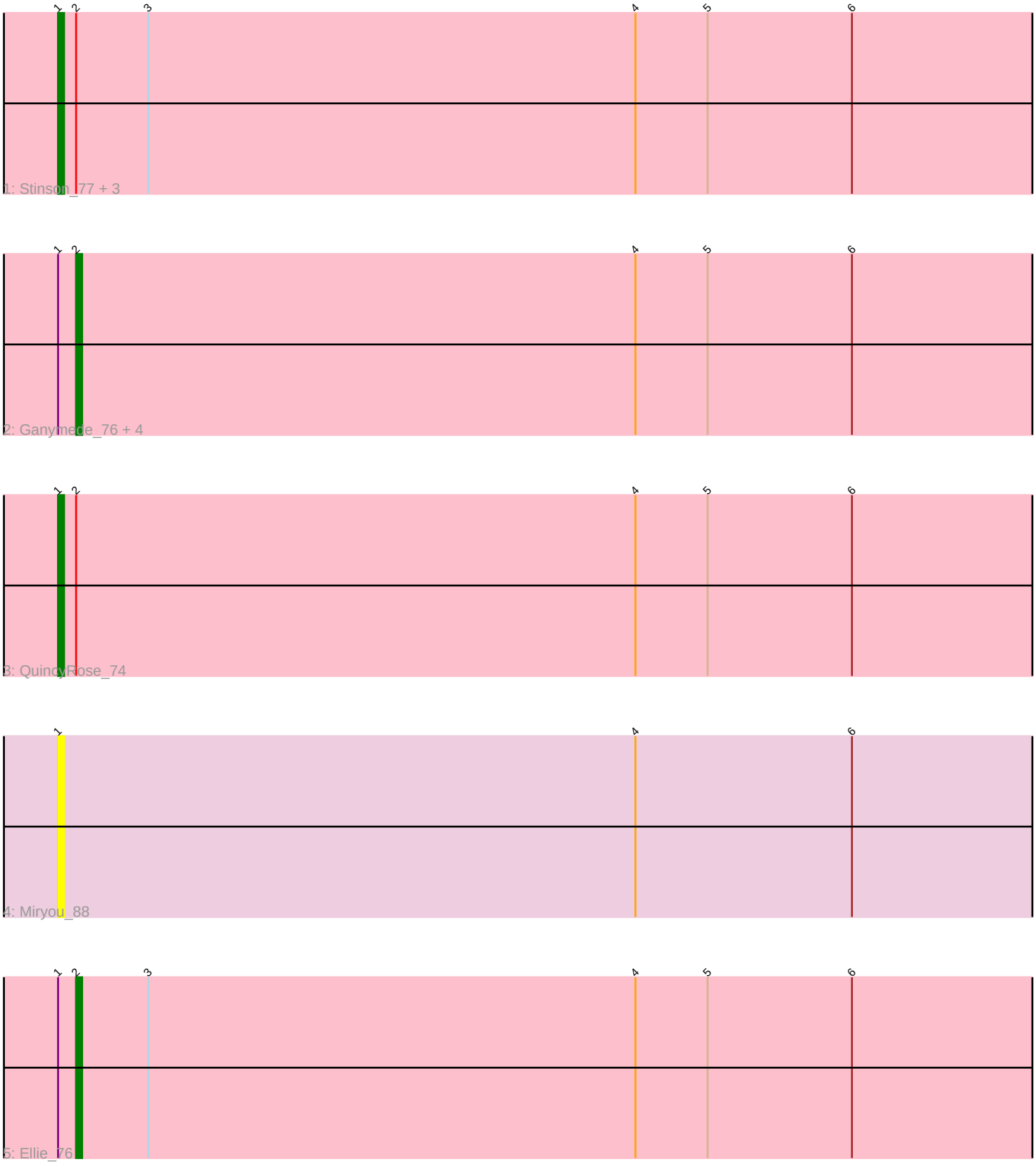
Pham 5533


1 2 3 4 5 6
1: Stinson_77 + 3
1 2 4 5 6
2: Ganymede_76 + 4
1 2 4 5 6
3: QuincyRose_74
1 4 6
4: Miryou_88
1 2 3 4 5 6
5: Ellie_76

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 5533 Report

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

Pham number 5533 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Stinson_77, LaterM_76, Ageofdapage_80, Amgine_78
• Track 2 : Ganymede_76, Tiri_76, MeaningOfLife_78, Adonis_76, Beezoo_79
• Track 3 : QuincyRose_74
• Track 4 : Miryou_88
• Track 5 : Ellie_76

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 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adonis_76, Beezoo_79, Ellie_76, Ganymede_76, MeaningOfLife_78, Tiri_76,

Genes that have the "Most Annotated" start but do not call it:
• Ageofdapage_80, Amgine_78, LaterM_76, QuincyRose_74, Stinson_77,

Genes that do not have the "Most Annotated" start:
• Miryou_88,

Summary by start number:

Start 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ageofdapage_80 (K1), Amgine_78 (K6), LaterM_76 (K1), Miryou_88 (K5), QuincyRose_74 (K1), Stinson_77 (K1),

Start 2:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 54.5% of time when present

• Phage (with cluster) where this start called: Adonis_76 (K1), Beezoo_79 (K1), Ellie_76 (K6), Ganymede_76 (K1), MeaningOfLife_78 (K1), Tiri_76 (K1),

Summary by clusters:

There are 3 clusters represented in this pham: K1, K6, K5,

Info for manual annotations of cluster K1:
•Start number 1 was manually annotated 4 times for cluster K1.
•Start number 2 was manually annotated 5 times for cluster K1.

Info for manual annotations of cluster K6:
•Start number 1 was manually annotated 1 time for cluster K6.
•Start number 2 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: Adonis_76 Start: 50821, Stop: 51006, Start Num: 2
Candidate Starts for Adonis_76:
(Start: 1 @50818 has 5 MA's), (Start: 2 @50821 has 6 MA's), (4, 50914), (5, 50926), (6, 50950),

Gene: Ageofdapage_80 Start: 51741, Stop: 51929, Start Num: 1
Candidate Starts for Ageofdapage_80:
(Start: 1 @51741 has 5 MA's), (Start: 2 @51744 has 6 MA's), (3, 51756), (4, 51837), (5, 51849), (6, 51873),

Gene: Amgine_78 Start: 52552, Stop: 52740, Start Num: 1
Candidate Starts for Amgine_78:
(Start: 1 @52552 has 5 MA's), (Start: 2 @52555 has 6 MA's), (3, 52567), (4, 52648), (5, 52660), (6, 52684),

Gene: Beezoo_79 Start: 51482, Stop: 51667, Start Num: 2
Candidate Starts for Beezoo_79:
(Start: 1 @51479 has 5 MA's), (Start: 2 @51482 has 6 MA's), (4, 51575), (5, 51587), (6, 51611),

Gene: Ellie_76 Start: 51723, Stop: 51908, Start Num: 2
Candidate Starts for Ellie_76:
(Start: 1 @51720 has 5 MA's), (Start: 2 @51723 has 6 MA's), (3, 51735), (4, 51816), (5, 51828), (6, 51852),

Gene: Ganymede_76 Start: 50910, Stop: 51095, Start Num: 2
Candidate Starts for Ganymede_76:
(Start: 1 @50907 has 5 MA's), (Start: 2 @50910 has 6 MA's), (4, 51003), (5, 51015), (6, 51039),

Gene: LaterM_76 Start: 51159, Stop: 51347, Start Num: 1
Candidate Starts for LaterM_76:
(Start: 1 @51159 has 5 MA's), (Start: 2 @51162 has 6 MA's), (3, 51174), (4, 51255), (5, 51267), (6, 51291),

Gene: MeaningOfLife_78 Start: 51456, Stop: 51641, Start Num: 2

Candidate Starts for MeaningOfLife_78:
(Start: 1 @51453 has 5 MA's), (Start: 2 @51456 has 6 MA's), (4, 51549), (5, 51561), (6, 51585),

Gene: Miryou_88 Start: 57924, Stop: 58112, Start Num: 1
Candidate Starts for Miryou_88:
(Start: 1 @57924 has 5 MA's), (4, 58020), (6, 58056),

Gene: QuincyRose_74 Start: 50907, Stop: 51095, Start Num: 1
Candidate Starts for QuincyRose_74:
(Start: 1 @50907 has 5 MA's), (Start: 2 @50910 has 6 MA's), (4, 51003), (5, 51015), (6, 51039),

Gene: Stinson_77 Start: 51094, Stop: 51282, Start Num: 1
Candidate Starts for Stinson_77:
(Start: 1 @51094 has 5 MA's), (Start: 2 @51097 has 6 MA's), (3, 51109), (4, 51190), (5, 51202), (6, 51226),

Gene: Tiri_76 Start: 50402, Stop: 50587, Start Num: 2
Candidate Starts for Tiri_76:
(Start: 1 @50399 has 5 MA's), (Start: 2 @50402 has 6 MA's), (4, 50495), (5, 50507), (6, 50531),