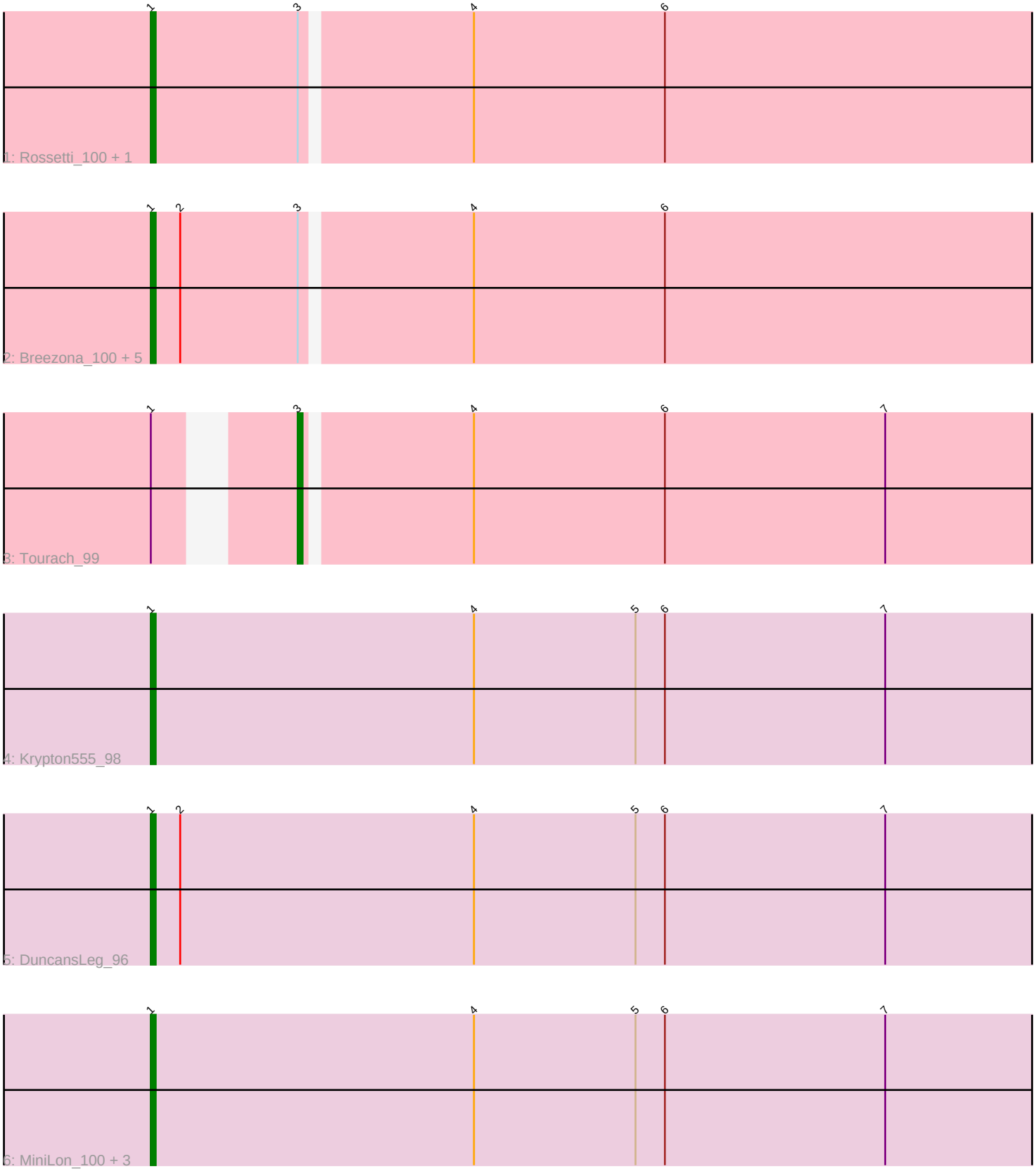
Pham 340135


1
3
4
6
1: Rossetti_100 + 1
1
2
3
4
6
2: Breezona_100 + 5
1
3
4
6
7
3: Tourach_99
1
4
5
6
7
4: Krypton555_98
1
2
4
5
6
7
5: DuncansLeg_96
1
4
5
6
7
6: MiniLon_100 + 3

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 340135 Report

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

Pham number 340135 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Rossetti_100, Crossroads_100
• Track 2 : Breezona_100, DrSeegs_99, Baoshan_100, DanBing_99, Winky_100, Miley16_100
• Track 3 : Tourach_99
• Track 4 : Krypton555_98
• Track 5 : DuncansLeg_96
• Track 6 : MiniLon_100, MiniMac_100, Whirlwind_97, Lolly9_95

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baoshan_100, Breezona_100, Crossroads_100, DanBing_99, DrSeegs_99, DuncansLeg_96, Krypton555_98, Lolly9_95, Miley16_100, MiniLon_100, MiniMac_100, Rossetti_100, Whirlwind_97, Winky_100,

Genes that have the "Most Annotated" start but do not call it:
• Tourach_99,

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

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Baoshan_100 (L2), Breezona_100 (L2), Crossroads_100 (L2), DanBing_99 (L2), DrSeegs_99 (L2), DuncansLeg_96 (L3), Krypton555_98 (L3), Lolly9_95 (L3), Miley16_100 (L2), MiniLon_100 (L3), MiniMac_100 (L3), Rossetti_100 (L2), Whirlwind_97 (L3), Winky_100 (L2),

Start 3:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Tourach_99 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L3,

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 6 times for cluster L2.
•Start number 3 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:
•Start number 1 was manually annotated 6 times for cluster L3.

Gene Information:

Gene: Baoshan_100 Start: 61778, Stop: 61966, Start Num: 1
Candidate Starts for Baoshan_100:
(Start: 1 @61778 has 12 MA's), (2, 61784), (Start: 3 @61808 has 1 MA's), (4, 61841), (6, 61880),

Gene: Breezona_100 Start: 62024, Stop: 62239, Start Num: 1
Candidate Starts for Breezona_100:
(Start: 1 @62024 has 12 MA's), (2, 62030), (Start: 3 @62054 has 1 MA's), (4, 62087), (6, 62126),

Gene: Crossroads_100 Start: 61654, Stop: 61842, Start Num: 1
Candidate Starts for Crossroads_100:
(Start: 1 @61654 has 12 MA's), (Start: 3 @61684 has 1 MA's), (4, 61717), (6, 61756),

Gene: DanBing_99 Start: 61470, Stop: 61658, Start Num: 1
Candidate Starts for DanBing_99:
(Start: 1 @61470 has 12 MA's), (2, 61476), (Start: 3 @61500 has 1 MA's), (4, 61533), (6, 61572),

Gene: DrSeegs_99 Start: 62024, Stop: 62239, Start Num: 1
Candidate Starts for DrSeegs_99:
(Start: 1 @62024 has 12 MA's), (2, 62030), (Start: 3 @62054 has 1 MA's), (4, 62087), (6, 62126),

Gene: DuncansLeg_96 Start: 61112, Stop: 61312, Start Num: 1
Candidate Starts for DuncansLeg_96:
(Start: 1 @61112 has 12 MA's), (2, 61118), (4, 61178), (5, 61211), (6, 61217), (7, 61262),

Gene: Krypton555_98 Start: 61605, Stop: 61805, Start Num: 1
Candidate Starts for Krypton555_98:
(Start: 1 @61605 has 12 MA's), (4, 61671), (5, 61704), (6, 61710), (7, 61755),

Gene: Lolly9_95 Start: 61278, Stop: 61478, Start Num: 1
Candidate Starts for Lolly9_95:
(Start: 1 @61278 has 12 MA's), (4, 61344), (5, 61377), (6, 61383), (7, 61428),

Gene: Miley16_100 Start: 62024, Stop: 62239, Start Num: 1
Candidate Starts for Miley16_100:
(Start: 1 @62024 has 12 MA's), (2, 62030), (Start: 3 @62054 has 1 MA's), (4, 62087), (6, 62126),

Gene: MiniLon_100 Start: 61279, Stop: 61479, Start Num: 1
Candidate Starts for MiniLon_100:
(Start: 1 @61279 has 12 MA's), (4, 61345), (5, 61378), (6, 61384), (7, 61429),

Gene: MiniMac_100 Start: 61274, Stop: 61474, Start Num: 1
Candidate Starts for MiniMac_100:
(Start: 1 @61274 has 12 MA's), (4, 61340), (5, 61373), (6, 61379), (7, 61424),

Gene: Rossetti_100 Start: 61740, Stop: 61928, Start Num: 1
Candidate Starts for Rossetti_100:
(Start: 1 @61740 has 12 MA's), (Start: 3 @61770 has 1 MA's), (4, 61803), (6, 61842),

Gene: Tourach_99 Start: 62090, Stop: 62278, Start Num: 3
Candidate Starts for Tourach_99:
(Start: 1 @62069 has 12 MA's), (Start: 3 @62090 has 1 MA's), (4, 62123), (6, 62162), (7, 62207),

Gene: Whirlwind_97 Start: 61433, Stop: 61633, Start Num: 1
Candidate Starts for Whirlwind_97:
(Start: 1 @61433 has 12 MA's), (4, 61499), (5, 61532), (6, 61538), (7, 61583),

Gene: Winky_100 Start: 62024, Stop: 62239, Start Num: 1
Candidate Starts for Winky_100:
(Start: 1 @62024 has 12 MA's), (2, 62030), (Start: 3 @62054 has 1 MA's), (4, 62087), (6, 62126),