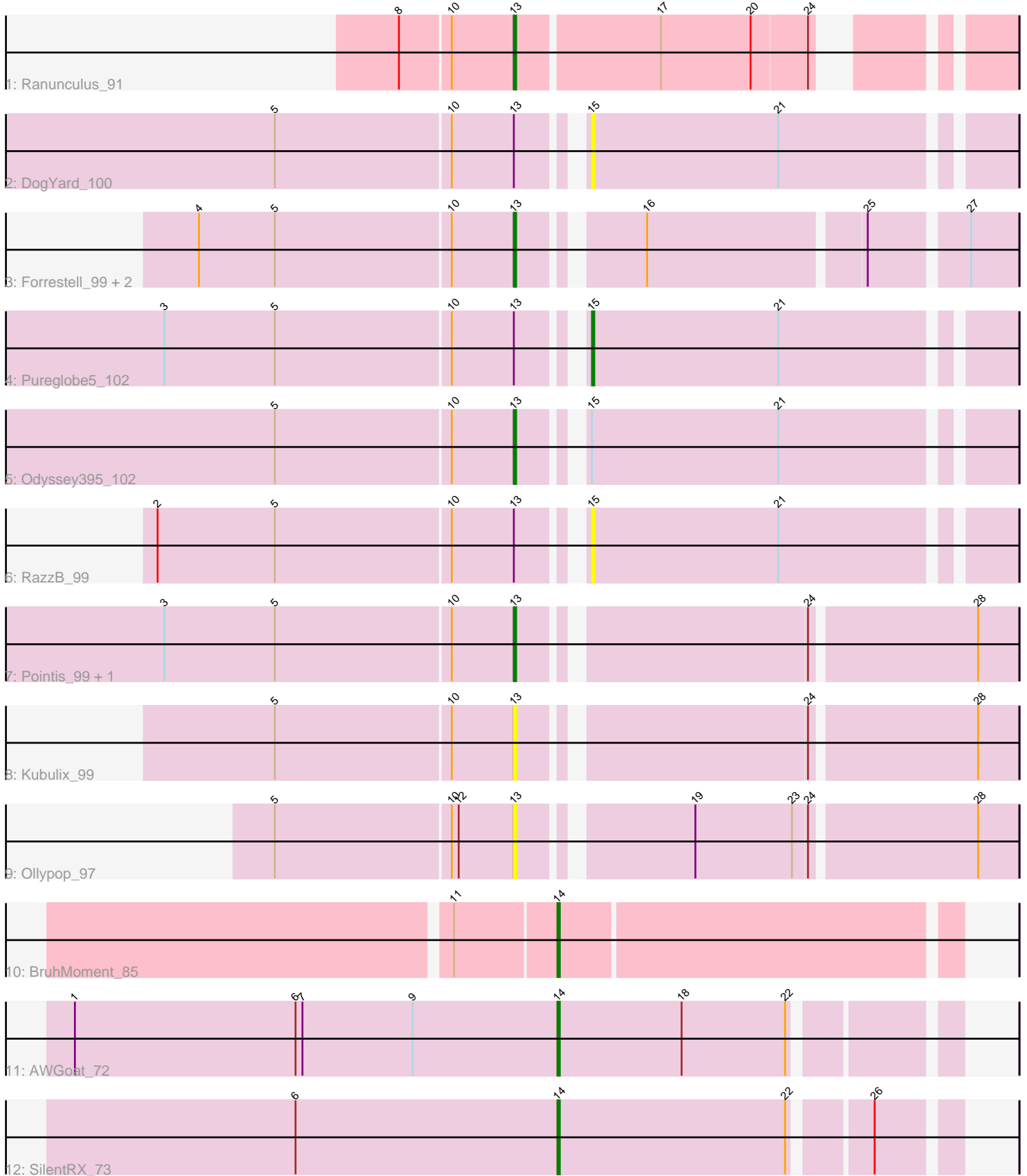


Pham 209064



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 209064 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209064 has 15 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_91
- Track 2 : DogYard_100
- Track 3 : Forrestell_99, MellowYellow_103, NyleyClemson_103
- Track 4 : Pureglobe5_102
- Track 5 : Odyssey395_102
- Track 6 : RazzB_99
- Track 7 : Pointis_99, Beagle_104
- Track 8 : Kubulix_99
- Track 9 : Ollypop_97
- Track 10 : BruhMoment_85
- Track 11 : AWGoat_72
- Track 12 : SilentRX_73

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_104, Forrestell_99, Kubulix_99, MellowYellow_103, NyleyClemson_103, Odyssey395_102, Ollypop_97, Pointis_99, Ranunculus_91,

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

- DogYard_100, Pureglobe5_102, RazzB_99,

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

- AWGoat_72, BruhMoment_85, SilentRX_73,

Summary by start number:

Start 13:

- Found in 12 of 15 (80.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Beagle_104 (AP2), Forrestell_99 (AP2), Kubulix_99 (AP2), MellowYellow_103 (AP2), NyleyClemson_103 (AP2), Odyssey395_102 (AP2), Ollypop_97 (AP2), Pointis_99 (AP2), Ranunculus_91 (AP),

Start 14:

- Found in 3 of 15 (20.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_72 (AP4), BruhMoment_85 (AP3), SilentRX_73 (AP4),

Start 15:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 75.0% of time when present
- Phage (with cluster) where this start called: DogYard_100 (AP2), Pureglobe5_102 (AP2), RazzB_99 (AP2),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP, AP4, AP3,

Info for manual annotations of cluster AP:

- Start number 13 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 13 was manually annotated 4 times for cluster AP2.
- Start number 15 was manually annotated 1 time for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 14 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 14 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_72 Start: 50701, Stop: 50540, Start Num: 14

Candidate Starts for AWGoat_72:

(1, 50911), (6, 50815), (7, 50812), (9, 50764), (Start: 14 @50701 has 3 MA's), (18, 50647), (22, 50602),

Gene: Beagle_104 Start: 61388, Stop: 61188, Start Num: 13

Candidate Starts for Beagle_104:

(3, 61538), (5, 61490), (10, 61415), (Start: 13 @61388 has 5 MA's), (24, 61274), (28, 61205),

Gene: BruhMoment_85 Start: 55806, Stop: 55639, Start Num: 14

Candidate Starts for BruhMoment_85:

(11, 55845), (Start: 14 @55806 has 3 MA's),

Gene: DogYard_100 Start: 61069, Stop: 60896, Start Num: 15

Candidate Starts for DogYard_100:

(5, 61192), (10, 61117), (Start: 13 @61090 has 5 MA's), (Start: 15 @61069 has 1 MA's), (21, 60988),

Gene: Forrestell_99 Start: 59805, Stop: 59611, Start Num: 13

Candidate Starts for Forrestell_99:

(4, 59940), (5, 59907), (10, 59832), (Start: 13 @59805 has 5 MA's), (16, 59760), (25, 59670), (27, 59631),

Gene: Kubulix_99 Start: 60763, Stop: 60563, Start Num: 13

Candidate Starts for Kubulix_99:

(5, 60865), (10, 60790), (Start: 13 @60763 has 5 MA's), (24, 60649), (28, 60580),

Gene: MellowYellow_103 Start: 61007, Stop: 60813, Start Num: 13

Candidate Starts for MellowYellow_103:

(4, 61142), (5, 61109), (10, 61034), (Start: 13 @61007 has 5 MA's), (16, 60962), (25, 60872), (27, 60833),

Gene: NyleyClemson_103 Start: 60637, Stop: 60443, Start Num: 13

Candidate Starts for NyleyClemson_103:

(4, 60772), (5, 60739), (10, 60664), (Start: 13 @60637 has 5 MA's), (16, 60592), (25, 60502), (27, 60463),

Gene: Odyssey395_102 Start: 60780, Stop: 60586, Start Num: 13

Candidate Starts for Odyssey395_102:

(5, 60882), (10, 60807), (Start: 13 @60780 has 5 MA's), (Start: 15 @60759 has 1 MA's), (21, 60678),

Gene: Ollypop_97 Start: 62150, Stop: 61950, Start Num: 13

Candidate Starts for Ollypop_97:

(5, 62252), (10, 62177), (12, 62174), (Start: 13 @62150 has 5 MA's), (19, 62084), (23, 62042), (24, 62036), (28, 61967),

Gene: Pointis_99 Start: 60679, Stop: 60479, Start Num: 13

Candidate Starts for Pointis_99:

(3, 60829), (5, 60781), (10, 60706), (Start: 13 @60679 has 5 MA's), (24, 60565), (28, 60496),

Gene: Pureglobe5_102 Start: 61317, Stop: 61144, Start Num: 15

Candidate Starts for Pureglobe5_102:

(3, 61488), (5, 61440), (10, 61365), (Start: 13 @61338 has 5 MA's), (Start: 15 @61317 has 1 MA's), (21, 61236),

Gene: Ranunculus_91 Start: 61637, Stop: 61452, Start Num: 13

Candidate Starts for Ranunculus_91:

(8, 61685), (10, 61664), (Start: 13 @61637 has 5 MA's), (17, 61577), (20, 61538), (24, 61514),

Gene: RazzB_99 Start: 60192, Stop: 60019, Start Num: 15

Candidate Starts for RazzB_99:

(2, 60366), (5, 60315), (10, 60240), (Start: 13 @60213 has 5 MA's), (Start: 15 @60192 has 1 MA's), (21, 60111),

Gene: SilentRX_73 Start: 51541, Stop: 51380, Start Num: 14

Candidate Starts for SilentRX_73:

(6, 51655), (Start: 14 @51541 has 3 MA's), (22, 51442), (26, 51412),