Pham 285911


1: Ranunculus_91
2: Forrestell_101 + 2
3: Kubulix_102
4: Ren19_94 + 1
5: DogYard_102 + 2
6: Pureglobe5_102
7: Popstraw_98 + 1
8: Hive_100 + 1
9: Ollypop_99
10: RIPWilbur_102
11: Pointis_99 + 1
12: BruhMoment_85
13: AWGoat_72
14: SilentRX_73

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 285911 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285911 has 22 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_91
• Track 2 : Forrestell_101, MellowYellow_103, NyleyClemson_103
• Track 3 : Kubulix_102
• Track 4 : Ren19_94, Nikan_99
• Track 5 : DogYard_102, Odyssey395_102, PhuzzTulsa_101
• Track 6 : Pureglobe5_102
• Track 7 : Popstraw_98, BetaFish_102
• Track 8 : Hive_100, RazzB_101
• Track 9 : Ollypop_99
• Track 10 : RIPWilbur_102
• Track 11 : Pointis_99, Beagle_104
• Track 12 : BruhMoment_85
• Track 13 : AWGoat_72
• Track 14 : 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 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_104, DogYard_102, Forrestell_101, Hive_100, Kubulix_102, MellowYellow_103, Nikan_99, NyleyClemson_103, Odyssey395_102, Ollypop_99, PhuzzTulsa_101, Pointis_99, RIPWilbur_102, Ranunculus_91, RazzB_101, Ren19_94,

Genes that have the "Most Annotated" start but do not call it:
• BetaFish_102, Popstraw_98, Pureglobe5_102,

Genes that do not have the "Most Annotated" start:
• AWGoat_72, BruhMoment_85, SilentRX_73,

Summary by start number:

Start 13:
• Found in 19 of 22 (86.4%) of genes in pham
• Manual Annotations of this start: 10 of 14
• Called 84.2% of time when present
• Phage (with cluster) where this start called: Beagle_104 (AP2), DogYard_102 (AP2), Forrestell_101 (AP2), Hive_100 (AP2), Kubulix_102 (AP2), MellowYellow_103 (AP2), Nikan_99 (AP2), NyleyClemson_103 (AP2), Odyssey395_102 (AP2), Ollypop_99 (AP2), PhuzzTulsa_101 (AP2), Pointis_99 (AP2), RIPWilbur_102 (AP2), Ranunculus_91 (AP), RazzB_101 (AP2), Ren19_94 (AP2),

Start 14:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_72 (AP4), BruhMoment_85 (AP3), SilentRX_73 (AP4),

Start 16:
• Found in 8 of 22 (36.4%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 37.5% of time when present
• Phage (with cluster) where this start called: BetaFish_102 (AP2), Popstraw_98 (AP2), Pureglobe5_102 (AP2),

Summary by clusters:

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

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 9 times for cluster AP2.
•Start number 16 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), (19, 50647), (23, 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 10 MA's), (26, 61274), (31, 61205),

Gene: BetaFish_102 Start: 61576, Stop: 61403, Start Num: 16
Candidate Starts for BetaFish_102:
(5, 61699), (10, 61624), (Start: 13 @61597 has 10 MA's), (Start: 16 @61576 has 1 MA's), (22, 61495),

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_102 Start: 61090, Stop: 60896, Start Num: 13
Candidate Starts for DogYard_102:
(5, 61192), (10, 61117), (Start: 13 @61090 has 10 MA's), (Start: 16 @61069 has 1 MA's), (22, 60988),

Gene: Forrestell_101 Start: 59805, Stop: 59611, Start Num: 13
Candidate Starts for Forrestell_101:
(4, 59940), (5, 59907), (10, 59832), (Start: 13 @59805 has 10 MA's), (17, 59760), (27, 59670), (29, 59631),

Gene: Hive_100 Start: 61072, Stop: 60878, Start Num: 13
Candidate Starts for Hive_100:
(2, 61225), (5, 61174), (10, 61099), (Start: 13 @61072 has 10 MA's), (Start: 16 @61051 has 1 MA's), (22, 60970),

Gene: Kubulix_102 Start: 60763, Stop: 60563, Start Num: 13
Candidate Starts for Kubulix_102:
(5, 60865), (10, 60790), (Start: 13 @60763 has 10 MA's), (26, 60649), (31, 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 10 MA's), (17, 60962), (27, 60872), (29, 60833),

Gene: Nikan_99 Start: 60806, Stop: 60609, Start Num: 13
Candidate Starts for Nikan_99:
(5, 60908), (10, 60833), (12, 60830), (Start: 13 @60806 has 10 MA's), (15, 60779), (18, 60746), (25, 60689), (30, 60632),

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 10 MA's), (17, 60592), (27, 60502), (29, 60463),

Gene: Odyssey395_102 Start: 60780, Stop: 60586, Start Num: 13
Candidate Starts for Odyssey395_102:
(5, 60882), (10, 60807), (Start: 13 @60780 has 10 MA's), (Start: 16 @60759 has 1 MA's), (22, 60678),

Gene: Ollypop_99 Start: 62150, Stop: 61950, Start Num: 13
Candidate Starts for Ollypop_99:
(5, 62252), (10, 62177), (12, 62174), (Start: 13 @62150 has 10 MA's), (20, 62084), (24, 62042), (26, 62036), (31, 61967),

Gene: PhuzzTulsa_101 Start: 61228, Stop: 61034, Start Num: 13
Candidate Starts for PhuzzTulsa_101:
(5, 61330), (10, 61255), (Start: 13 @61228 has 10 MA's), (Start: 16 @61207 has 1 MA's), (22, 61126),

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 10 MA's), (26, 60565), (31, 60496),

Gene: Popstraw_98 Start: 60828, Stop: 60655, Start Num: 16
Candidate Starts for Popstraw_98:
(5, 60951), (10, 60876), (Start: 13 @60849 has 10 MA's), (Start: 16 @60828 has 1 MA's), (22, 60747),

Gene: Pureglobe5_102 Start: 61317, Stop: 61144, Start Num: 16
Candidate Starts for Pureglobe5_102:
(3, 61488), (5, 61440), (10, 61365), (Start: 13 @61338 has 10 MA's), (Start: 16 @61317 has 1 MA's), (22, 61236),

Gene: RIPWilbur_102 Start: 60652, Stop: 60455, Start Num: 13
Candidate Starts for RIPWilbur_102:
(5, 60754), (10, 60679), (Start: 13 @60652 has 10 MA's), (17, 60607), (27, 60517), (29, 60478),

Gene: Ranunculus_91 Start: 61637, Stop: 61452, Start Num: 13
Candidate Starts for Ranunculus_91:
(8, 61685), (10, 61664), (Start: 13 @61637 has 10 MA's), (18, 61577), (21, 61538), (26, 61514),

Gene: RazzB_101 Start: 60213, Stop: 60019, Start Num: 13
Candidate Starts for RazzB_101:
(2, 60366), (5, 60315), (10, 60240), (Start: 13 @60213 has 10 MA's), (Start: 16 @60192 has 1 MA's), (22, 60111),

Gene: Ren19_94 Start: 59831, Stop: 59634, Start Num: 13
Candidate Starts for Ren19_94:
(5, 59933), (10, 59858), (12, 59855), (Start: 13 @59831 has 10 MA's), (15, 59804), (18, 59771), (25, 59714), (30, 59657),

Gene: SilentRX_73 Start: 51541, Stop: 51380, Start Num: 14
Candidate Starts for SilentRX_73:
(6, 51655), (Start: 14 @51541 has 3 MA's), (23, 51442), (28, 51412),